NORTH COAST RESOURCE PARTNERSHIP

A. General Project Information

1. Organization / Project Sponsor Name:
   Willow County Water District

2. Project Name:
   Willow County Water District Water Main Replacement Project

3. Has the organization implemented similar projects in the past? ☒ yes ☐ no

4. If the project sponsor has worked with NCRP in the past, describe the project and outcome.
   Willow CWD has not worked with NCRP in the past.

5. Please describe the qualifications, experience, and capacity of the project team that will be overseeing project implementation.
   The Willow CWD will solicit and hire a qualified consultant or consultant team to provide project management, environmental compliance, project design, and construction oversight. A qualified, licensed contractor will be solicited and contracted to provide project implementation.

   For WCWD, Jared Walker, District Manager, will serve as the District's Project Manager. Mr. Walker has been with WCWD for a decade, first serving in water system operations before moving into the DM role in 2020.

6. Is this project part of a larger project or program? If so, what effectiveness monitoring is being conducted and what are the results?
   This water main replacement project represents a standalone activity to improve water use efficiency in the community and is not part of a larger project.

7. Project Abstract [500 characters max.]
   This project supports the design and implementation of water main replacements in the Willow County Water District in Ukiah. Existing steel water mains proposed for replacement have reached end of life and pose consistent system maintenance issues. The project will replace approximately 1,000 linear feet of 8-inch steel water main on Laws Ave, approximately 1,000 linear feet of 4-inch steel water main on nearby Canyon Dr, and approximately 550 linear feet of 4-inch steel water main on Pomo Ln.

8. Project Description [3,000 characters max.]
   This project consists of design and implementation of water main replacements in the Willow County Water District near Ukiah. The project will replace approximately 1,000 linear feet (lf) of 8-inch steel water main on Laws Ave, approximately 1,000 lf of 4-inch steel water main on Canyon Dr, and approximately 550 lf of 4-inch steel water main on Pomo Ln. The steel water

mains proposed for replacement have exceeded end of life (all three are an estimated 70 years old) and pose consistent maintenance issues, including 1-2 leaks and line breaks per year which are disruptive to ratepayers, detrimental to water conservation, and expensive to repair. Without replacement, more frequent breaks will occur and our ability to provide water service to the community will diminish. Emergency breaks are more expensive than planned replacement because they frequently require overtime staff hours, water line shut offs and can result in property damage.

Canyon Dr is a residential, dead-end street accessed via S. Dora St to the east. Laws Ave is also a residential street that runs parallel to Canyon Drive to the South. The relevant portion of Laws Ave is accessed via S. Dora St from the west and S. State St from the east. This portion of water main serves a numerous multi-family housing developments as well as single-family residences. Pomo Ln is a partially-paved, dead-end residential street. Pomo Ln is accessed via Norgard Ln to the south. All new water mains will be installed within the public right-of-way or an easement across previously-disturbed parcels.

This project will be implemented via design-bid-build. WCWD will solicit a design consultant to develop project plans, specifications, and estimates and provide CEQA analysis. This will include topographic and boundary survey and development of a bid package. During the design phase, the District will also satisfy CEQA requirements. While the District intends to pursue a CEQA exemption under Section 15301, Existing Facilities, the proposed budget and timeline included assume an Initial Study and assessment of biological/archaeological resources is necessary. During project planning, CEQA exemption opportunities will be explored; if a CEQA exemption is appropriate, the costs and timeline for CEQA compliance will be reduced. After planning, WCWD will solicit bids and select the responsive low bidder. Construction will consist of traffic control, trenching, laying of new water main, and system interconnection. Following interconnection, the old main will be decommissioned and abandoned, at which point trenching will be returned to original grade and disturbed paving/vegetation replaced. Project closeout will consist of verifying contractor performance, developing as-built plans, and grant closeout activities.

Expected project benefits are avoided maintenance costs of approximately $30,000 per year, as well as improved water supply reliability for approximately 200 households served by this infrastructure.

9. Specific Project Goals/Objectives

Goal 1: Improve water use efficiency for SDACs within WCWD service area. [100 characters max.]
Goal 1 Objective: Develop a complete, bid-ready set of design documents with approved environmental clearances to replace approximately 1,550 feet of 4” water main and approximately 1,000 feet of 8” water main. [200 characters max.]

Goal 1 Objective: Secure a contractor and implement the replacement of approximately 1,550 feet of 4" water main and approximately 1,000 feet of 8" water main
Goal 1 Objective: Monitor project performance by documenting leaks and breaks in the new sections of water main.
Goal 1 Objective:

Goal 2:
Goal 2 Objective:
Goal 2 Objective:
Goal 2 Objective:
Goal 2 Objective:

Goal 3:
Goal 3 Objective:
Goal 3 Objective:
Goal 3 Objective:
Goal 3 Objective:

Additional Goals & Objectives (List)

10. Describe how the project addresses the NCRP Goals and Objectives selected. [1,000 characters max.]

This project addresses the following NCRP goals and objectives:

Objective 8 - Ensure water supply reliability…

This water main replacement project will ensure water supply reliability and quality by reducing water leaks and improving drinking quality. Burst pipes or leaks can cause waterborne illnesses, cockroach infestations, and some lead may be found in pipes, solders, fittings, and fixtures.

Residents living on Laws Ave, Canyon Dr, and Pomo Lane all live in areas identified as being 100% Severely Economically Disadvantaged Communities and 100% Economically Distressed Area.

11. Describe the physical, biological and/or community need for the project. [1,000 characters max.]

The Ukiah Valley has seen significant impacts from recent drought conditions. Lake Mendocino, a water source for much of the Ukiah Valley, including WCWD, has registered some of the lowest water levels ever recorded since its construction in the 1950s. For example, in October 2021, the volume available in Lake Mendocino was a shocking 21.9% of the target storage volume. While water levels have rebounded to 2020 levels in 2022, even today the

current water level is only 65.8% of target volume. Though WCWD's groundwater supplies have remained productive, the community's water supply becomes more tenuous and water conservation becomes more necessary as the drought progresses. The existing water mains proposed for replacement are near the end of their useful life and subject to more frequent breaks and leaks, resulting in water loss and disruption of service. The new water mains will improve domestic water availability and help ensure sufficient water is available for fire protection.

12. **Describe the financial need for the project**. [1,000 characters max.]

WCWD is a small district with a limited customer base and limited capacity to generate additional revenue for system capital improvements. A recent water main replacement project in 2021 cost approximately $350,000 to repair, significantly impacting WCWD's reserve funding. This unplanned expense, following three years of reduced revenue due to water use restrictions in response to drought, has left WCWD in a challenging financial position. Beyond these impacts to WCWD's revenue and reserves, the costs for capital improvements have grown substantially since the start of the COVID-19 pandemic due to supply chain disruptions, resulting in greatly increased costs for capital improvements compared to a 2019 baseline. These factors, in aggregate, leave the District unable to pursue this project without supplemental financial resources. Without grant funding from NCRP, WCWD will be forced to further delay project planning until an alternative funding source can be identified and secured.

13. **Describe potential adverse impacts from project implementation and how they will be mitigated.**

Given the nature of the project as a replacement of aging infrastructure within previously-disturbed areas, there are minimal potential adverse impacts associated with project implementation. There are no known cultural or biologically-sensitive sites within the project areas, and no growth inducement or other impacts are anticipated in association with project implementation. While there may be some impacts on customers who will see their water service shut off for brief periods while implement

14. **Will this project mitigate an existing or potential Cease and Desist Order or other regulatory compliance enforcement action?** ☐ yes ☒ no

If yes, please describe. [500 characters max.]

15. **Does the project address a contaminant listed in AB 1249 (nitrate, arsenic, perchlorate, or hexavalent chromium)?**

☐ yes ☒ no

If yes, provide a description of how the project helps address the contamination. [500 characters max.]

16. **Describe how the project contributes to regional water self-reliance and addresses climate change.** [1,000 characters max.]

This water main replacement project will address climate change impacts such as prolonged drought and foster regional water self-reliance by helping to prevent regional water loss due to pipe leaks and breaks. This will make more water available for fire suppression and consumptive use. In addition, by upgrading and modernizing these system components, WCWD staff will be able to focus their limited staff time and capital improvement funding on other aged infrastructure, as the proposed water main replacements are expected to have a useful life of at least 50 years. Projects like these help to build capacity within the District by limiting the areas of "problem infrastructure" which require a disproportionate amount of staff time and resources to address.

17. **Does the project increase public safety with regards to flood protection, wildfire hazard risk reduction, increasing firefighting capacity, or in other ways contribute to regional emergency resiliency?**

☒ yes ☐ no

Please explain. [500 characters max.]

Yes, the project will make more water available for fire suppression by reducing water loss from leaks or breaks. As an example, by replacing the aged infrastructure currently in place with modern, resilient materials, fire suppression and other emergency response activities which require water service are much more likely to be available in the project areas, improving response capacity and protecting lives and property.

18. **Does the project employ new or innovative technologies or practices, including Decision Support Tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation?** ☐ yes ☐ no

If yes, please describe. [500 characters max.]

This project is generally straightforward and there are very limited options for implementing new or innovative technologies within existing infrastructure like this. However, the new water mains will be C900 poly pipe which is much more durable and resilient than the existing, 70-year-old steel water mains currently in place.

19. **Describe the population served by this project, including any economically disadvantaged communities or Tribes that will directly benefit.**

The WCWD service area is situated at the City of Ukiah's southern boundary. WCWD's current population is estimated to be 2,535 people, with 1,014 residential connections and assuming 2.5 people per connection.

There are approximately 200 households in the area to be served by this project. Residents living on Laws Ave, Canyon Dr, and Pomo Lane all live in areas identified as being 100% Severely Economically Disadvantaged Communities and 100% Economically Distressed Areas.

20. Describe local and/or political support for this project. [500 characters max.]

Given the nature of the project as a straightforward water main replacement, WCWD has not conducted a dedicated public outreach and education campaign to justify the project. However, during the planning phase for this project, the Willow CWD will notify landowners and request access where necessary.

21. List all collaborating partners and agencies and nature of collaboration. [750 characters max.]

Generally, this project will be completed by WCWD and its selected consultants and contractors without the need for collaborative partnerships, due to the straightforward nature of the project. However, WCWD will coordinate with the County of Mendocino for encroachment permits to perform work in the roadway, as necessary.

22. Is this project part or a phase of a larger project? ☐ yes ☒ no

Are there similar efforts being made by other groups? ☐ yes ☒ no

If yes to either, please describe. [500 characters max.]

Though not directly related, WCWD is currently in conversations with other local water districts and the City of Ukiah regarding regional consolidation of water services. While the repair of the WCWD water mains proposed in this application will not directly influence those consolidation discussions, the funding necessary to effectively consolidate is significant, and any infrastructure improvements which can be funded directly prior to consolidation will make consolidation itself more feasible.

B. Project Location

1. Describe the latitude and longitude of the project site.

Latitude: 39.126118 Longitude: -123.204593

2. Site Address (if relevant):

Laws Avenue Water Main: 100 Laws Avenue to 480 Laws Avenue
Canyon Drive Water Main: 51 Canyon Drive to 108 Canyon Drive
Pomo Lane Water Main: 120 Norgard Lane to 2403 Pomo Lane

3. Does the applicant have legal access rights, easements, or other access capabilities to the property to implement the project?

☒ yes If yes, please describe below
☐ no If no, please provide a concise narrative below with a schedule, to obtain necessary access

☐ NA If NA, please describe below why physical access to a property is not needed

Explanation. [500 characters max.]

WCWD owns the infrastructure proposed for replacement in this application and has legal access, either through securing an encroachment permit from the County of Mendocino or via easement.

4. **Project Location Notes:**
   Project is located within the Russian River watershed.

C. Benefits To Disadvantaged Communities and/or Tribes

1. **Does the project provide direct water-related benefits to a project area comprised of Disadvantaged Communities or Economically Distressed Communities?** If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.
   ☒ Entirely
   ☐ Partially; estimate the percentage of benefits provided directly to DAC:
   ☐ No
   List the Disadvantaged Community(s)
   This project provides direct, water-related benefits to an economically distressed area. Specifically, this project serves portions of Census Block Groups 2 (Laws Avenue) and 4 (Canyon Drive) within Census Tract 113 and Census Block Group 3 within Census Tract 116 (Pomo Lane). This project serves 100% DACs by geography. The project will provide better water supply resiliency by reducing leaks and breaks in aged water mains, resulting in more available water for community use and fire suppression purposes.

2. **Does the project provide direct water-related benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)**? If partially, please estimate percentage of project that benefits disadvantaged communities and list the SDACs.
   ☒ Entirely
   ☐ Partially; estimate percentage of benefits provided directly to SDAC:
   ☐ No
   List the Severely Disadvantaged Community(s)
   In addition to providing benefits to an economically distressed area, the areas receiving direct, water-related benefits from this project are also categorized as severely economically disadvantaged communities through the same mechanisms: improved water supply resiliency by preventing water loss due to leaks and breaks.

3. **Does the project provide direct water-related benefits to a Tribe or Tribes**? If partially, please estimate percentage of project that benefits Tribe(s) and list the Tribes.
   ☐ Entirely
   ☐ Partially; estimate percentage of benefits provided directly to Tribe(s):
   ☒ No
   List the Tribal Community(s)

   If yes, please provide a letter of support from each Tribe listed as receiving these benefits.

4. **If the project provides benefits to a DAC, EDA or Tribe, explain the water-related need of the DAC, EDA or Tribe and how the project will address the described need.** [750 characters max.]
   The primary benefit from this project is improved water supply resiliency by preventing water loss due to leaks and breaks in the water mains proposed for replacement. The water mains proposed are over 70 years old and are breaking at an accelerated rate in recent years, with all three mains requiring multiple patches within the last decade. Each time one of these mains requires maintenance, valuable water is lost and community members are unexpected shut off from water service while repairs take place. Replacing these water mains would resolve these issues and ensure the severely disadvantaged communities served have consistent, reliable water service and a resilient water supply source.

5. **Describe the kind of notification, outreach and collaboration that has been completed with the county(ies) and/or Tribes within the proposed project impact area, including the source and receiving watersheds, if applicable.** [500 characters max.]
   Because this infrastructure is owned and managed by the District, no outreach or collaboration has been necessary to scope and develop this project application. During project implementation, advance notice will be provided to residents that will be affected by the water main replacement project and ongoing notices will be provided related to any necessary water outages or other special activities during the construction period.

D. Project Benefits & Justification

1. **For each of the Potential Benefits that the project claims, complete the following table to describe an estimate of the benefits expected to result from the proposed project. Provide quantitative benefit amounts for at least the primary and secondary benefits. Provide a qualitative narrative description of expected benefits that cannot be quantified.** *See the NCRP Project Application Instructions for more information and a listing of potential benefits.*

PROJECT BENEFITS TABLE

Benefit Description	Units	Quantitative Amount	Qualitative Description
Water Supply			
Improved water supply reliability	200	households	Improved reliability
Water Quality			
Climate Change			
Other Ecosystem Service Benefits			
Jobs Created or Maintained			
Other Benefits			
Avoided Costs – Emergency Repairs	$/yr	30,000	Avoided leak repair

2. Does the proposed project provide physical benefits outside of the North Coast Region?
   ☐ yes ☒ no
   If yes, describe the impacts to areas outside the North Coast Region. [500 characters max.]

3. List the impaired water bodies (303d listing) that the project benefits:

This project will provide benefit to the Russian River watershed by way of improving water use efficiency. The Russian River is impaired for sediment and temperature within the entire watershed.

4. Describe how the project benefits salmonids, endangered/threatened species and sensitive habitats.

   This project could provide minor benefits to salmonids within the Russian River watershed, which contains critical habitat for Chinook salmon and Steelhead, by improving water use efficiency. WCWD purchases Lake Mendocino water from the Russian River Flood Control District (RRFC) annually, to supplement its groundwater supply. By improving water use efficiency and reducing overall demand, WCWD may purchase smaller amounts of water from RRFC, leaving more water available to support salmonids.

5. Have alternative methods been considered to achieve the same types and amounts of physical benefits as the proposed project?

   ☒ yes ☐ no

   Please explain. [500 characters max.]

   As a water main replacement project, there are very limited alternatives to the proposed scope of work. The District has considered alternative material types for the new water mains, but the nature of the project is such that further alternatives analysis has not been necessary. Ultimately, the District has determined that C900 poly pipe or equivalent is the most effective material.

6. Is the proposed project the lowest cost alternative to achieve the physical benefits?

   ☒ yes ☐ no

   Please explain. [500 characters max.]

   This project is the most cost-effective alternative. The only alternative approach to the project, besides an alternative pipe material, is removal of the existing water mains followed by replacement, rather than abandonment in place. Removal and replacement is more disruptive to the community, requires an alternative water supply be furnished during project implementation, and requires a longer construction period. Given these parameters, abandonment in place is the least cost alternative.

7. How will the project be monitored to determine whether it is producing the desired benefits?

   Project monitoring will be ongoing following project implementation and will consist of tracking the number of leaks and breaks within the new water mains over the lifespan of the infrastructure, including documenting cost of repairs and estimated water loss. Tracking will be accomplished through the District's standard monitoring of its infrastructure, with periodic inspections as well as response to reports from customers of leaks and main breaks.

8. Provide a narrative for project technical justification. Include any other information that supports the justification for this project, including how the project can achieve the claimed level of benefits listed below. [3,000 characters max.]
   The methods by which this project can achieve the benefits claimed are not highly technical in nature. The District has observed at least 1-2 breaks or leaks per year on the lines proposed for replacement, and that number is expect to grow as the infrastructure continues to age. Depending on the nature of the break or leak, these repairs can range in cost up to $10,000 per repair. This project assumes approximately $30,000 in repair costs will be necessary annually on these three water lines in the future, and their replacement should mitigate these costs entirely, resulting in $30,000 in reduced maintenance costs per year. Similarly, approximately 200 households are served by the water mains to be replaced; each time there is a break or leak needing repair in those mains, these households undergo a water shutoff and the inconvenience of a repair project on their road. By replacing this infrastructure, those households will see improved water security and a reduction in service disruption associated with repairs and maintenance.

9. List and include any studies, plans, designs or engineering reports completed for the project as a "Technical & Reference Supporting Materials" into one document that includes a Table of Contents and is limited to approximately 50 pages. *Please see the instructions for more information about submitting these documents with the final application.*

10. Project Justification & Technical Basis Notes: Please provide any additional information *not included above* that you think is important.

E. Project Tasks, Budget, And Schedule

1. Projected Project Start Date: 7/1/23
   Anticipated Project End Date: 8/8/2024

2. Describe the basis for the costs used to derive the project budget in each budget category. [500 characters max.]
   Project costs, both soft cost and construction costs per unit, were estimated by a local engineering consulting firm with experience designing and implementing water infrastructure projects in rural communities. Please note that this application assumes an initial study and special studies will be required under CEQA. However, the District will assess the applicability of a CEQA categorical exemption for the project and pursue this route if feasible, thereby decreasing project soft costs.

3. **Provide a narrative on cost considerations including alternative project costs.** [500 characters max.]

Given the limited alternative approaches available for this project, there are very few opportunities to adjust the project to address any concerns regarding project cost. However, the District currently spends anywhere from $10,000 to $60,000 repairing leaks within these water mains annually. Assuming an average of $30,000 per year, this project is cost effective over an anticipated 40-year useful lifespan, which should be readily achievable given the materials proposed.

4. **List the sources of non-state matching funds, amounts and indicate their status**. Proposition 1 requires a minimum cost share of 50% of the total project costs, though a waiver may apply (see Question 6 below).

Willow CWD is proposing no matching funds within this project application. As the project locations served are both severely disadvantaged communities and economically distressed, as shown on the NCRP Interactive Mapping Tool. Therefore, Willow CWD is requesting a match waiver for the project.

5. **List the sources and amount of State matching funds.**

Not applicable

6. **Cost Share Waiver Requested (DAC or EDA)?** ☒ yes ☐ no

Describe what percentage of the proposed project area encompasses a DAC/EDA, how the community meets the definition of a DAC/EDA, and the water-related need of the DAC/EDA that the project addresses. In order to receive a cost share waiver, the applicant must demonstrate that the project will ***directly*** provide benefits that address a water-related need of a DAC/EDA.

The areas served by the proposed water main replacement project are considered Severely Disadvantaged Communities and Economically Distressed Communities, per the NCRP interactive mapping tool. The water main replacements proposed will provide direct benefits to these communities in the form of improved water use efficiency and improved water service availability. As such Willow CWD is requesting a 0% cost share requirement for this project.

7. **Is the project budget scalable?** ☒ yes ☐ no

8. **Describe how a scaled budget would impact the overall project,** its expected benefits and state the minimum budget amount that would be viable (see Instructions E.7 for scaled budget examples). [500 characters max.]

This project is scalable as the District could conduct water main replacement on only a subset of the streets proposed. WCWD could implement any of the water main replacements in isolation, should NCRP be unable to approve funding to complete the entire project.

Should scaling be necessary, the District's priorities for water main replacement are:

1. Laws Avenue
a. Est. Construction Cost: $510,900
2. Canyon Drive
a. Est. Construction Cost: $380,640
3. Pomo Lane
a. Est. Construction Cost: $204

9. Major Tasks, Schedule and Budget for Project Solicitation
Please complete MS Excel table available at https://northcoastresourcepartnership.org/ncrp-proposition-1-irwm-round-2-solicitation/see instructions for the information to be included in this document and for how to submit the required excel document with the application materials.

10. Project Tasks, Budget and Schedule Notes:

As mentioned elsewhere, this budget assumes special studies to assess archaeological and biological resources will be necessary to support a CEQA Initial Study for the project. However, the project may be CEQA exempt as a replacement of existing facilities. If the selected consultant and the District can justify this exemption, the budget for CEQA compliance can be reduced to $10,000 and no cultural or biological special studies will be required.

11. Project Information Notes. Please provide any information that that has not been specifically requested that you feel is important for the NCRP to know about your project.

Project Name: Willow County Water District Water Main Replacement
Organization Name: Willow County Water District

Task #	Major Tasks	Task Description	Major Deliverables	IRWM Task Budget	Non-State Match	Other Match	Total Task Budget	25% Scaled IRWM Budget	50% Scaled IRWM Budget	Current Stage of Completion (%)	Start Date	Completion Date
A	**Category (a): Direct Project Administration**											
1	Project Management	In cooperation with the County of Humboldt sign a sub-grantee agreement for work to be completed on this project. Develop invoices with support documentation. Provide audited financial statements and other deliverables as required	Invoices, audited financial statements and other deliverables as required	$16,000.00	$0.00	$0.00	$16,000.00	$12,000.00	$0.00	0%	7/1/23	8/8/24
2	Reporting	Develop monthly reports describing work completed, challenges, and strategies for reaching remaining project objectives. Develop Final Report	Quarterly and Final Reports	$10,000.00	$0.00	$0.00	$10,000.00	$7,500.00	$5,000.00	0%	7/1/23	8/8/24
B	**Category (b): Land Purchase/Easement**											
1	Not Applicable	Not Applicable	Not Applicable	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%	N/A	N/A
C	**Category (c): Planning/Design/Engineering/Environmental Documentation**											
1	Consultant Procurement	Develop RFP and procure design consultant	Final RFP and contract with consultant	$5,000.00	$0.00	$0.00	$5,000.00	$3,750.00	$2,500.00	0%	7/14/23	8/31/23
	Topographic and Utiility Survey	Conduct a topographic and utility survey to support basemapping and design document development	PDFs of compelted topographic and utility survey data	$20,000.00	$0.00	$0.00	$20,000.00	$15,000.00	$10,000.00	0%	9/1/23	9/30/23
	Final Design /Plans	Develop bid-ready construction documents to support bid solicitation, with milestones at 60% design, 90% design, and final design	PDF of completed Design Plans	$75,000.00	$0.00	$0.00	$75,000.00	$56,250.00	$37,500.00	0%	9/15/23	1/31/24
2	Project Performance Monitoring Plan	Develop Monitoring Plan to include goals and measurable objectives	Final Monitoring Plan	$5,000.00	$0.00	$0.00	$5,000.00	$3,750.00	$2,500.00	0%	9/15/23	1/31/24
2	Environmental Documentation: CEQA	Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Includes special studies for biological and cultural resources	Environmental Information Form approved by DWR	$40,840.00	$0.00	$0.00	$40,840.00	$30,630.00	$20,420.00	0%	11/1/23	1/31/24
D	**Category (d): Construction/Implementation**											
1	Contract Services	Release project for bid and administer bidding process	Bid Documents; Proof of Advertisement; Award of Contract; Notice to Proceed	$5,000.00	$0.00	$0.00	$5,000.00	$3,750.00	$2,500.00	0%	2/1/24	3/15/24
2	Construction Administration	Complete tasks necessary to administer construction contract	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports; DWR Certificate of Project Completion	$10,000.00	$0.00	$0.00	$10,000.00	$7,500.00	$5,000.00	0%	4/1/24	8/8/24
3	Mobilization	Mobilize contractor resources to project sites	Pre-project site photos, summary of construction schedule	$39,000.00	$0.00	$0.00	$39,000.00	$29,250.00	$19,500.00	0%	4/1/24	4/8/24
4	Project Construction/Implementation: Water Main Replacement	Traffic control, trenching, installation of new water mains, water meters, water valves, and fire hydrants, tie in to existing system	Summary of construction activities, in progress site photos	$1,005,940.00	$0.00	$0.00	$1,005,940.00	$754,455.00	$502,970.00	0%	4/9/24	7/31/24
5	Project Signage	Signage at WCWD Offices on Laws Avenue	Photos of signage	$3,000.00	$0.00	$0.00	$3,000.00	$2,250.00	$1,500.00	0%	4/1/24	4/30/24
6	Project Close Out, Inspection & Demobilization	Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.	As-Built and Record Drawings; Project completion site photos	$10,000.00	$0.00	$0.00	$10,000.00	$7,500.00	$5,000.00	0%	8/1/24	8/8/24
7	Project Performance Monitoring	The performance of the project will be monitored in accordance to the Monitoring Plan using the following measurement tools and methods: periodic inspections and response to reported leaks or breaks; total number of leaks and breaks will be tracked for three years post project and on an ongoing basis thereafter	Monitoring Reports	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%	8/8/24	8/8/27
	Total North Coast Resource Partnership IRWM Grant Request			**$1,244,780.00**	**$0.00**	**$0.00**	**$1,244,780.00**	**$933,585.00**	**$614,390.00**			
	Percentage of Total Project Cost			**100%**	**0%**	**0%**	**100%**	**75%**	**49%**			

NORTH COAST RESOURCE PARTNERSHIP

ORGANIZATION INFORMATION

1. Project Name:
   Willow County Water District (Willow CDW) Water Main Replacement Project

2. Applicant Organization Name:
   Willow County Water District

3. Contact Name/Title
   Name: Jared Walker
   Title: General Manager
   Email: jwalker@willowcwd.org
   Phone Number (include area code): 707-462-2666

4. Organization Address (City, County, State, Zip Code):
   151 Laws Ave, Ukiah, CA 95482

5. Organization Type
   - ☐ Public agency
   - ☐ 501(c)(3) Non-profit organization
   - ☒ Public utility
   - ☐ Federally recognized Indian Tribe
   - ☐ California State Indian Tribe listed on the Native American Heritage Commission's California Tribal Consultation List
   - ☐ Mutual water company
   - ☐ Other:

6. Authorized Representative (if different from the contact's name)
   Name: Jared Walker
   Title: General Manager
   Email: jwalker@willowcwd.org
   Phone Number (include area code): 707-462-2666

7. List all projects the organization is submitting to the NCRP for this Solicitation in order of priority.
   This application is the only submittal to the NCRP for the 2022 Project Solicitation.

8. Organization Information Notes:
   Willow CWD was established in 1950. The Willow CWD provides water service to approximately 990 residential and 60 commercial connections in the unincorporated area south of the City of Ukiah, located within the Ukiah Valley (MSR 2013).

The Willow CWD provides treated water to domestic and irrigation connections. Several sources are utilized including wells, surface water, and Lake Mendocino water. The district has agreements with other water agencies to provide staffing and management services for these agencies, including Calpella CWD, Hopland PUD, Millview CWD, Redwood Valley CWD, and River Estates Mutual Water Company.

ELIGIBILITY

1. North Coast Resource Partnership Goals and Objectives

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

- ☐ Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation
- ☐ Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCRP project implementation
- ☐ Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

- ☐ Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing
- ☐ Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

- ☐ Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity
- ☐ Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

- ☒ Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources
- ☒ Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities
- ☐ Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

☐ Objective 11 - Address climate change effects, impacts, vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health

☒ Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

☐ Objective 13 - Improve flood protection, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

2. Does the project have a minimum 15-year useful life?
   a) ☒ yes ☐ no
   b) If yes, will the organization be able to provide compliance documentation outlined in the instructions should the project be selected as a Priority Project?
   ☒ yes ☐ no

3. Other Eligibility Requirements and Documentation

CALIFORNIA GROUNDWATER MANAGEMENT SUSTAINABILITY COMPLIANCE

a) Does the project directly affect groundwater levels or quality?
   ☐ yes ☒ no
b) If yes, will the organization be able to provide compliance documentation outlined in the instructions including a Groundwater Sustainability Agency letter of support, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
   ☐ yes ☐ no

CASGEM COMPLIANCE

a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?
   ☒ yes ☐ no
b) If yes, list the groundwater basin and CASGEM priority: Ukiah Valley Basin, Medium Priority
c) If yes, please specify the name of the organization that is the designated monitoring entity: Ukiah Valley Groundwater Sustainability Agency
d) If yes, please specify whether the local Groundwater Sustainability Agency has endorsed the project: No, but project should not have detrimental impact on groundwater.

URBAN WATER MANAGEMENT PLAN

a) Is the organization required to file an Urban Water Management Plan (UWMP)?
   ☐ yes ☒ no
b) If yes, has DWR verified the current 2020 UWMP?
   ☐ yes ☐ no

c) If the 2020 UWMP has not been verified by DWR, explain and provide anticipated date for verification:

d) Has DWR verified a water loss audit report in accordance with SB 555 as submitted by the urban water supplier?
☐ yes ☐ no

e) Does the urban water supplier meet the water meter requirements of CWC 525?
☐ yes ☐ no

f) Does the urban water supplier meet the State Water Resources Control Board's Water Conservation and Production Reporting requirement?
☐ yes ☐ no

g) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

AGRICULTURAL WATER MANAGEMENT PLAN

a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
☐ yes ☒ no

b) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

SURFACE WATER DIVERSION REPORTS

a) Is the organization required to file State Water Resources Control Board (SWRCB) annual surface water diversion reports per the requirements in CWC Part 5.1?
☐ yes ☒ no

b) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

STORM WATER MANAGEMENT PLAN

a) Is the project a stormwater and/or dry weather runoff capture project?
☐ yes ☒ no

b) If yes, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
☐ yes ☐ no

c) If this is a stormwater/dry weather runoff project but does not benefit a small DAC population, please provide documentation that the project has been included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan:

4. Eligible Project Type under 2022 IRWM Grant Solicitation
   - ☐ Water reuse and recycling for non-potable reuse and direct and indirect potable reuse
   - ☒ Water-use efficiency and water conservation
   - ☐ Local and regional surface and underground water storage, including groundwater aquifer cleanup or recharge projects
   - ☐ Regional water conveyance facilities that improve integration of separate water systems
   - ☐ Watershed protection, restoration, and management projects, including projects that reduce the risk of wildfire or improve water supply reliability
   - ☐ Stormwater resource management projects to reduce, manage, treat, or capture rainwater or stormwater
   - ☐ Stormwater resource management projects that provide multiple benefits such as water quality, water supply, flood control, or open space
   - ☐ Decision support tools that evaluate the benefits and costs of multi-benefit stormwater projects
   - ☐ Stormwater resource management projects to implement a stormwater resource plan
   - ☐ Conjunctive use of surface and groundwater storage facilities
   - ☐ Decision support tools to model regional water management strategies to account for climate change and other changes in regional demand and supply projections
   - ☐ Improvement of water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff
   - ☐ Regional projects or programs as defined by the IRWM Planning Act (Water Code §10537)
   - ☐ Other:

5. Describe how the project provides a benefit that meets at least one of the Statewide Priorities as defined in DWR's Final 2022 Guidelines (see page 7) and Tribal priorities as defined by the NCRP?

   This project will improve water use efficiency and water conservation by replacing aged, underperforming infrastructure with a new, durable, modernized long-term replacement. Doing so will significantly reduce the number of leaks and breaks observed within these sections of water main and ultimately result in reduced water loss, ensuring more water is available for use by the community.

NORTH COAST RESOURCE PARTNERSHIP

CERTIFICATION OF AUTHORITY

By signing below, the Authorized Representative executing the certificate on behalf of the Project Sponsor affirmatively represents that s/he has the requisite legal authority to do so on behalf of the Project Sponsor. The Authorized Representative executing this proposal on behalf of the project sponsor understands that the NCRP is relying on this representation in receiving and considering this proposal. The person signing below hereby acknowledges that s/he has read the entire NCRP 2022 Project Review and Selection Process Guidelines and the NCRP 2022 Proposition 1 IRWM Round 2 Project Application & Instructions documents and has complied with all requirements listed therein.

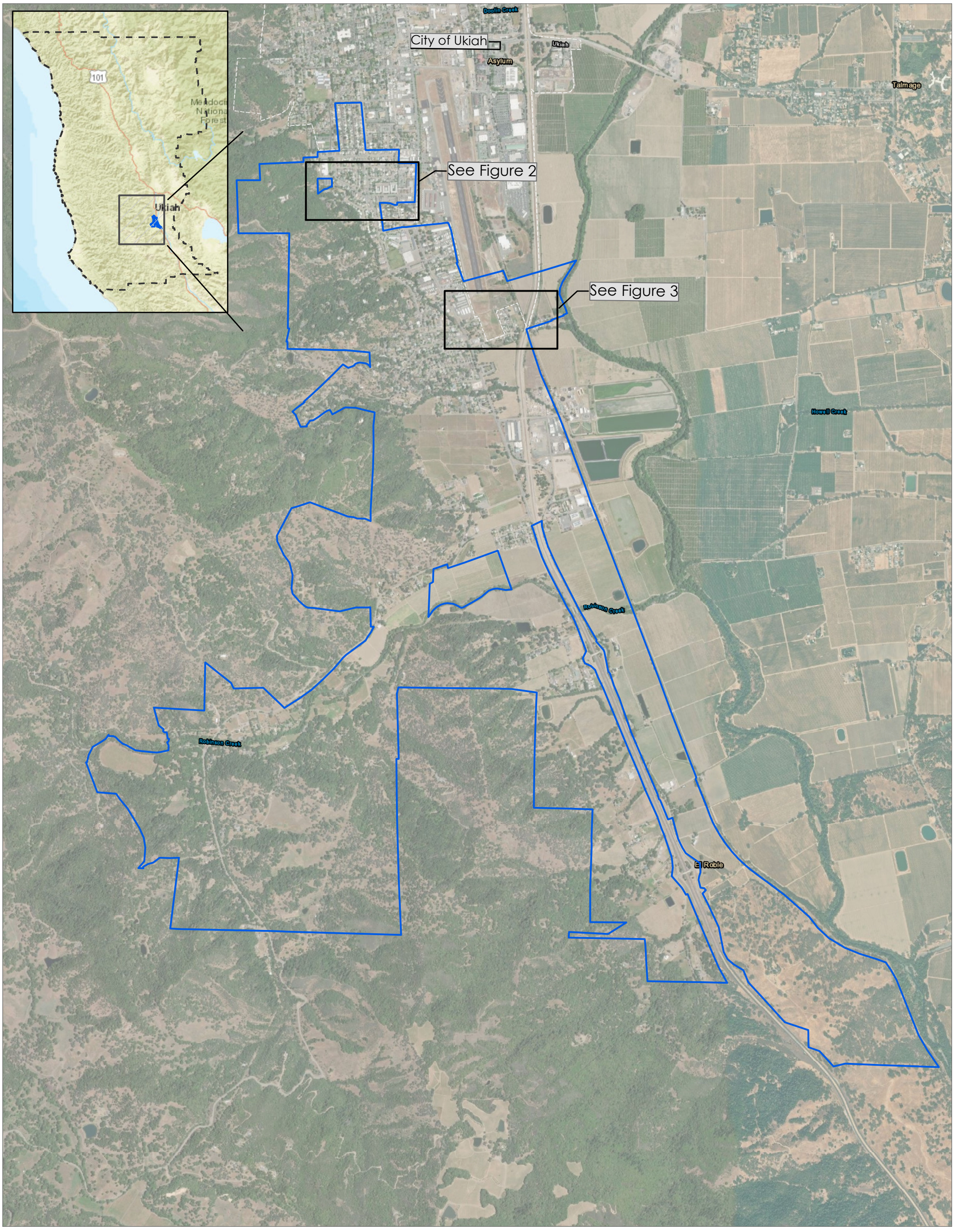
Official Authorized to Sign for Proposal

Signature

Jared Walker, District Manager

Date 11/3/22

Willow CWD Water Main Replacement Project
NCRP Prop 1 IRWM Round 2 Application
Figure 1: Overview Map



Map produced October 2022
Drafted by: VSD
Reviewed by: JRB
Coordinate System: NAD 83, Calif. State Plane Zone II
Projection: Lambert Conformal Conic
US Census Bureau: 2015 American Community Survey
Aerial Imagery: US Dept. of Agriculture/ArcGIS Online mosaic
Topographic Data: USGS 7.5 minute quad series Mount Diablo Base & Meridian
All spatial data is approximate. This map is not a substitute for a proper land survey.

Legend

Willow Water District Boundary

0 1,250 2,500 Feet

0 0.125 0.25 Miles

N W E S

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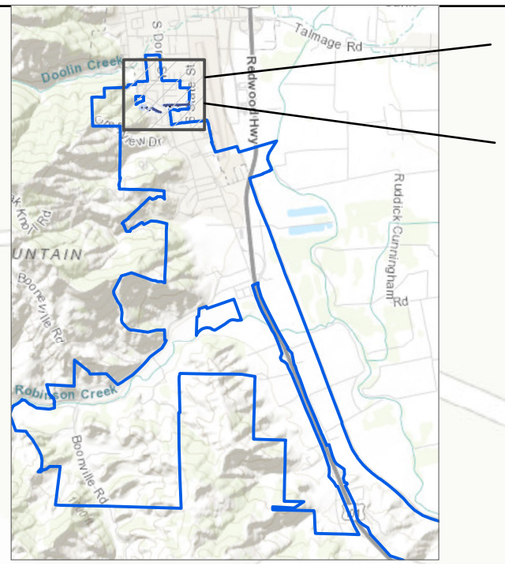
DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES

Willow CWD Water Main Replacement Project
NCRP Prop 1 IRWM Round 2 Application
Figure 2: Canyon Road and Laws Avenue Map



Map produced October 2022
Drafted by: VSD, Reviewed by: JRB
Coordinate System: NAD 83, Calif. State Plane Zone II
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Aerial Imagery: US Dept. of Agriculture/ArcGIS Online mosaic
Topographic Data: USGS 7.5 minute quad series Mount Diablo Base & Meridian
Parcel numbers are for tax purposes only and do not represent legal or salable parcels.
All spatial data is approximate. This map is not a substitute for a proper land survey.

Legend

- Lateral
- Main
- Willow Water District Boundary

0 100 200 Feet
0 0.025 0.05 Miles

N W E S

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Willow CWD Water Main Replacement Project
NCRP Prop 1 IRWM Round 2 Application
Figure 3: Pomo Lane Map

Map produced October 2022
Drafted by: VSD, Reviewed by: JRB
Coordinate System: NAD 83, Calif. State Plane Zone II
Projection: Lambert Conformal Conic
Aerial Imagery: US Dept. of Agriculture/ArcGIS Online mosaic
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Legend

Lateral
Willow Water District Boundary
Main

0 100 200 Feet
0 0.025 0.05 Miles

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