

The Watershed Research and Training Center
P.O. Box 356, Hayfork, CA 96041



Browns and Tule Creeks Drought Resiliency Storage and Forbearance Project
Request for Proposal

Project Contact: Lesli Mounivong

Phone: (530) 628-4206

Email: lesli@thewatershedcenter.com

1. Summary and Background

The Watershed Research and Training Center (WRTC) is a non profit organization headquartered in Hayfork, California, with an additional office in Weaverville, California. WRTC will implement approximately up to eight (8) storage and forbearance projects improving domestic water resiliency during drought, while also conserving instream flow in these priority watersheds for anadromous fisheries.

The purpose of this Request for Proposal is to identify interested service providers who can offer the best value to WRTC while meeting the timeline for our project needs.

2. Project Description

The project will provide approximately 58 5,000 gallon water tanks of water storage capacity for domestic use that will provide the ability for landowners to forbear from taking water from the stream during summer low flows which will improve instream fish habitat. The overall project will include up to 8 separate sub-projects, each providing approximately 35,000 gallons of domestic water storage on 8 separate properties. Each sub-project (parcel) may vary in tank array sizing and layout. Additionally, each participating resident will also be provided a fire standpipe that will help provide firefighters with emergency water access.

The excavation, tank pad development and tank setting will be provided by a separate subcontractor. WRTC will provide project equipment and supplies.

Project Construction Timeline: May 22, 2023 to May 22, 2024.

Construction activities under this solicitation are outlined below for up to eight (8) project sites.

1. Conduct initial site visits to each of the 8 sub-project parcels to determine each sub-project's individual layout. Work with WRTC staff and each landowner to map out the existing water system and determine what needs to be changed to convert it to a tanks and forbearance project.
2. Work with WRTC staff to design each of the 8 sub-project parcel water systems, draw up draft designs, and order project equipment and supplies.
3. Work with WRTC staff to install plumbing and electrical to connect existing home water systems to new water storage tanks. Each project will be unique, but will include some combination of piping, pumps, electrical, fittings, valves, floats, flow meters, and a fire standpipe.
4. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified.

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3. Scope of Services

Bidders submitting proposals for this project must meet the following criteria:

- Show examples of experience with similar projects
- Be available to meet project timeline requirements
- Provide your California Contractor license number

4. Proposal Guidelines

Proposals must include the following information:

- A rough estimate of the typical project provided (attached).
- A rough estimate of time required for completion of the typical project (attached).

5. Evaluation Criteria

WRTC will evaluate proposals based on the following criteria, listed in order of importance:

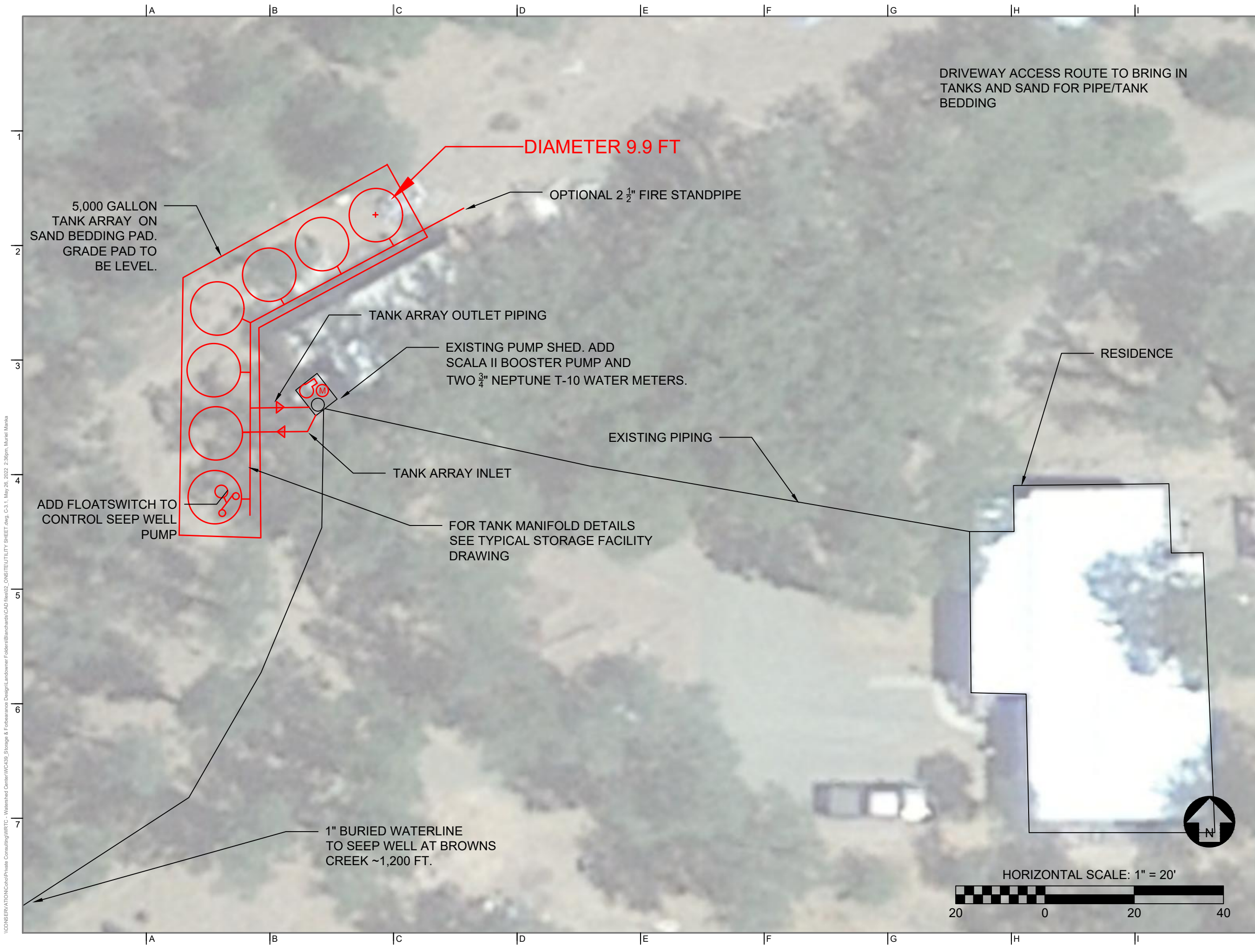
- Experience with similar projects
- Work quality and professional guarantee
- Availability
- Estimated cost
- Willingness to be flexible in working with WRTC staff and landowners

The **Request for Proposal** timeline is as follows:

- RFP distribution: May 10, 2023
- RFP submission: May 17, 2023 by 5:00pm pacific time (PT)
- Vendor selection: May 19, 2023

6. Submission Guidelines

Bidders must submit proposals to lesli@thewatershedcenter.com by May 17, 2023, by 5:00pm PT. Any questions must be submitted to the same email by May 16, 2023, 5:00pm PT. Include "Tank Installation" in the subject line and include your business name and contact information in the body of the message.



DRIVEWAY ACCESS ROUTE TO BRING IN TANKS AND SAND FOR PIPE/TANK BEDDING

DIAMETER 9.9 FT

OPTIONAL 2 1/2" FIRE STANDPIPE

5,000 GALLON TANK ARRAY ON SAND BEDDING PAD. GRADE PAD TO BE LEVEL.

TANK ARRAY OUTLET PIPING

EXISTING PUMP SHED. ADD SCALA II BOOSTER PUMP AND TWO 3/4" NEPTUNE T-10 WATER METERS.

RESIDENCE

EXISTING PIPING

TANK ARRAY INLET

ADD FLOATSWITCH TO CONTROL SEEP WELL PUMP

FOR TANK MANIFOLD DETAILS SEE TYPICAL STORAGE FACILITY DRAWING

1" BURIED WATERLINE TO SEEP WELL AT BROWNS CREEK ~1,200 FT.

Plan Prepared By:

5 COUNTIES SALMONID CONSERVATION PROGRAM



40 Horseshoe Lane,
Weaverville, CA
(530) 623-3967
www.5counties.org

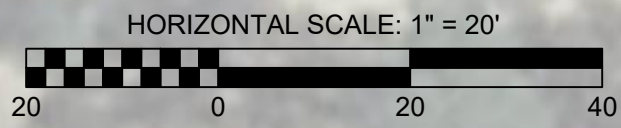
The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited.

DRAFT

WATER MANAGEMENT SYSTEM
151 Fern Springs Rd.
Douglas City, CA

Revisions:	
△	#
△	#
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△	#
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Project Engineer: MM Ext:
Project Manager: JS
Date: 03/4/2022 Scale: PER PLAN
Sheet Size: 11" x 17"



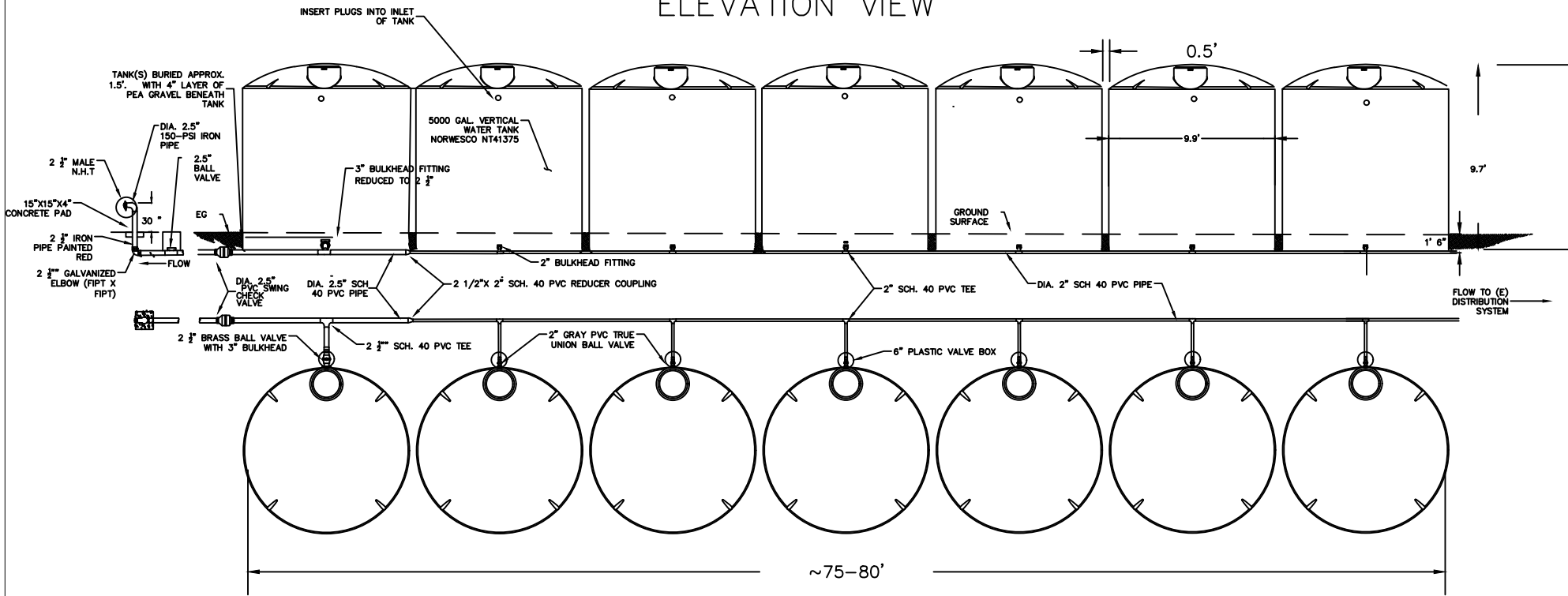
I:\CONSERVATION\Private\Consulting\WRTC - Watershed Center\WC438_Storage & Feedback\Drawings\Landowner\Drawings\Drawings\CAD\file02_ONSITE\UTILITY SHEET.dwg, C-3.1, May 26, 2022, 2:36pm, Mueli Mamba

RESIDENTIAL STORAGE FACILITY

TYPICAL – 35,000 GALLON

NOT TO SCALE

ELEVATION VIEW

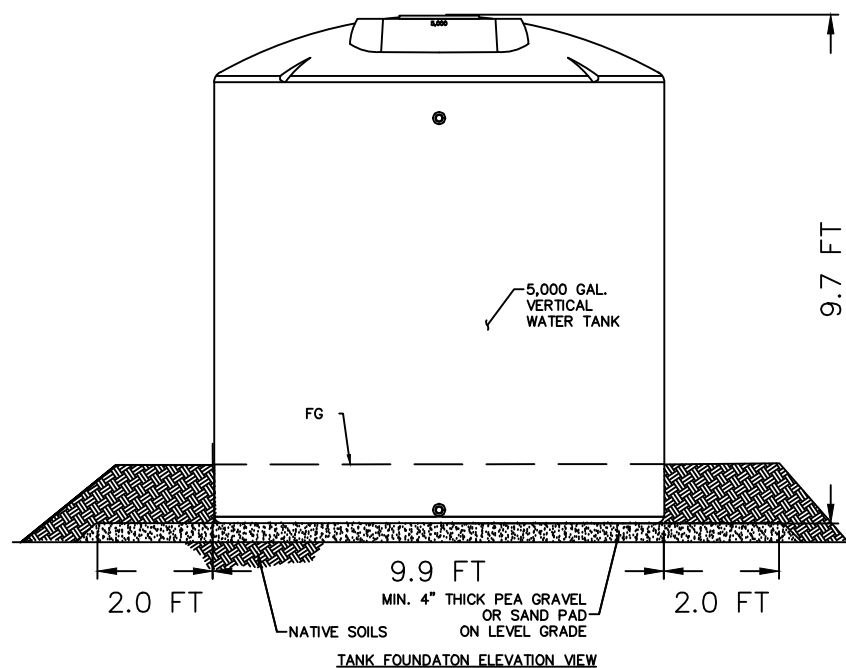


PLAN VIEW

TYPICAL – TANK FOUNDATION

Sand/Gravel Pad Specifications:

Where permitted, the tank may be placed on a sand/pea gravel pad as an alternative to a concrete ring beam/slab. The sand pad shall be constructed of clean, inert sand free of rocks, debris, and any foreign materials or small pea gravel. Tank pad shall be level prior to construction. Use a transit level to ensure the pad is level. Sites out of level or otherwise incorrectly prepared may be rejected. Compaction of sand pad is not required. Installation of sand pad and tank on sloping sites require adequate retaining and drainage before and after installation completion. Installation of an inert anti-erosion control around the base of the tank shall be in accordance the Tank Foundation Plan and shall not begin until final tank placement, positioning, and plumbing is complete.



CONSTRUCTION TOLERANCES	
DIMENSION	TOLERANCE
A	
B	
LEVEL OF TOP SURFACE	±1/16" OVER ANY 4' 0" OF CIRCUMFERENCE AT TANK WALL. ±3/16" OVER ENTIRE RING BEAM.

NON SEISMIC