REQUEST FOR QUOTES

Date: 10/04/2023

To: Qualified Contractors

From: Nevada County Resource Conservation District

The Nevada County Resource Conservation District (NCRCD) is seeking quotes from qualified contractors for grading work, road base work, vegetation and tree removal, installation of a drafting pipe shown on the specific Solicitation-Offer-Award (SOA) available at www.ncrcd.org and in accordance with the following:

General:
- Evidence of License and insurance is required for this work.
- All work shall be per the NCRCD standards unless described otherwise.

Work Hours:
- Work shall occur between the hours of 7:00am and 6:00pm

Traffic Control:
- Traffic control shall be provided in accordance with the City Improvement Standard Detail ST-1
- Traffic control must meet all requirements of the latest edition of the California MUTCD.

Disposal and Cleanliness:
- All vegetation shall be disposed of at an approved facility at the contractor's sole expense.
- No construction debris, sediment or plant material shall enter the nearby watershed drain system.

Winterization:
- Grading work, and tree removal of the proposed construction may be delayed until suitable weather conditions exist to complete the work, as approved by the project.

Quotes:
Submit a completed bid sheet by 5:00pm on Wednesday, October 11th 2023, in the manner described below:

Email: To **briana.bacon@ncrcd.org**
Mail: To the attention of **NCRCD/Briana Bacon, at 113 Presley Way, Suite 1, Grass Valley, CA 95945** (see SOA at www.ncrcd.org for specific instructions).

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
13760 Lincoln Way
Auburn Ca, 95603
(530) 889-0111
Website: www.fire.ca.gov

Hyatt Water Access Project

Objective:

Hyatt Reservoir is in Northern Nevada County on the San Juan Ridge. The reservoir spans over approximately 3 acres and has been identified as a strategically beneficial location as a fire suppression water source. The San Juan Ridge is a rural community with no established hydrant system. All fire water supplies are obtained from existing ponds/rivers/streams and private water tanks and connections. This requires heavy water tender support to allow fire resources to sustain an adequate water supply for fire suppression. The addition of a large water source on the San Juan Ridge would enhance fire safety for all residences of the area.

Access to Hyatt Reservoir is established on the West side off Heron Road that allows fire resources drafting access. A ruff road access is in place from the East end from Hyatt Road. The Objective of this project is to improve the East access to allow fire equipment to draft from Hyatt Reservoir for fire suppression and to establish a permanent drafting connection.

Green highlighted route indicates access to be improved.

Scope:

The existing access for the Reservoir is located off Hyatt Way. Hyatt Way is a narrow single lane dirt road with encroaching vegetation and degrading road base. This section of Road is approximately 0.35 miles and would need the following improvements:

- Grading to ensure proper crowning and drainage are in place for longevity of road life.

- Addition of road base gravel to ensure 2" depth, no compaction needed as this is an existing roadway.
- Vegetation cleared a minimum of 15 feet from each side of the road of any tree and brush size less than 10 inches in diameter and an overhead clearance of 15 feet.

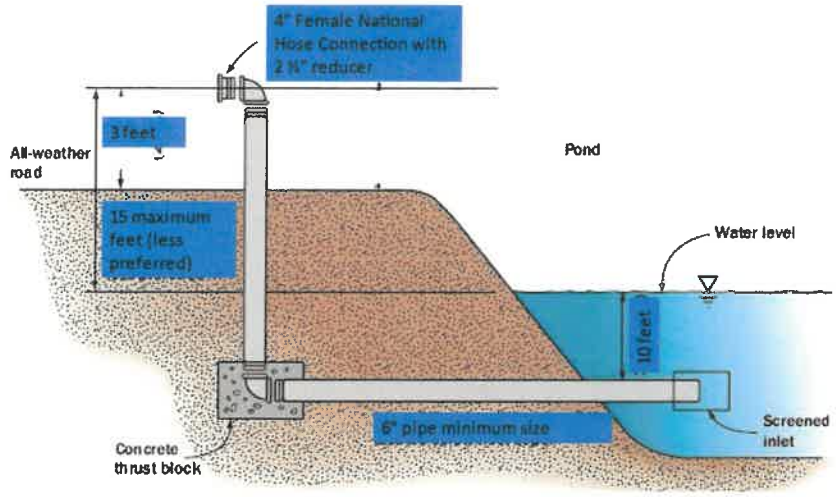
Hyatt Way

An untitled unimproved spur road off Hyatt Way provides the final access to the Reservoir. This access is approximately .19 miles and would need the following improvements to upgrade the surface to Nevada County Driveway Standards:

- Vegetation clearance on all sides of road to 15 feet from road edge and above the road surface less than 10 inches in diameter.
- Grade road surface to provide for water runoff and install culverts as needed.
- Driveway surfaces shall be capable of supporting a 40,000 pound legally-loaded vehicle as outlined below to Nevada County Driveway Standards:
    - Driveways and segments thereof that are between zero (0%) and sixteen percent (16%) grade shall be capable of supporting a 40,000 pound legally loaded vehicle as certified by a registered civil engineer, or a minimum of four (4) inch Class II aggregate base compacted to 95% on top of a subgrade compacted to 90%.
    - Driveways and segments thereof that are sixteen-point one percent (16.1%) grade and above, shall be designed and certified by a registered civil engineer. Prior to foundation inspection, the engineer shall provide stamped and signed written verification to the County Fire Marshal or his or her appointed designee that the rough grade complies with the site plan. Prior to, or concurrent with, final inspection, the engineer shall provide stamped and signed written verification that the final driveway complies with the site plan.

- Surface width shall be ten (10) feet minimum with one (1) foot shoulders and fourteen (14) feet unobstructed horizontal clearance for driveway grades up to sixteen percent (16%). For grades between sixteen point one percent (16.1%) and twenty percent (20%), a twelve (12) foot minimum 7/2022 Driveway Standards Printed on Recycled Paper Page 2 of 4 surface width with additional one (1) foot shoulders is required.
- Vertical clearance shall be fifteen (15) feet minimum, measured from the outside edge of the shoulder. 5
- Curve radius shall be fifty (50) feet minimum from centerline. For all driveway radii less than one hundred (100) feet, an additional four (4) feet of surfacing shall be provided on said curves. For all driveway radii between one hundred (100) and two hundred (200) feet, an additional two (2) feet surfacing shall be provided on said curves. All driveways shall also comply with Land Use and Development Code Section L-XVII 3.4.F, Design Geometrics: Curve Widening (see detail above).
- A 100' x 50' parking area will be installed midway along the new driveway, this area will be sufficient to be considered a turnout and will be held to the same surface standards as the rest of the driveway.
- Turnaround: The terminus bulb at the end of the driveway at the drafting site shall have a minimum forty (40) foot radius. If a forty (40) foot radius is unable to be achieved a hammerhead will be installed in place of the hammerhead.
- Hammerhead T: The long axis shall be a minimum of sixty (60) feet and the leg shall be a minimum of forty (40) feet (see detail above). f. Turnouts shall be a minimum of twelve (12) feet wide and thirty (30) feet long with a minimum twenty-five (25) foot taper on each end.
- Culvert portions shall be installed in the driveway as appropriate to allow water movement and shall support a 40,000 pound legally loaded vehicle
- Roadside vegetation: A fuel modification area shall be provided for a distance of fifteen (15) feet on each side of the driveway measured from the shoulder and to a height of 15 feet.
- All appropriate grading, drainage and erosion control shall be included pursuant to Chapter V of the Land Use and Development Code.

- Removal of 9 Ponderosa Pine trees. All limps will be chipped or burned and the three boles to be removed from the property.
- Removal of 2 of the tree stumps that will need to be dug out and disposed of.
- Install a drafting line that will permanently be submerged and secured in the Reservoir. Final connection will be available for 4 inches National Hose Treaded female fitting and end with a 90-degree elbow at approximately 3 feet above ground level. An adapter would also be attached to allow for 2 ½ inches National Hose connection. The submerged section would need to be approximately 10 feet below water level with a screen attached to the end to limit intake of debris. Drafting elevation gain would not exceed 15 vertical feet above water level and 15 linear feet beyond water edge.
- Install a secondary drafting pipe that would be 12 inches open ended pipe inserted and secured into the water to allow for hard suction drafting lines to be placed into the water source and be protected from debris ingestion.



Fixed drafting connection

Unimproved access driveway to be cleared and improved.

Area to be converted into 100 feet x 50 feet parking area.

Access along water's edge to be improved. Large pine to be removed picture at right of screen.

End of access road where turn around area would be installed, and drafting connections established.

Finished Product:

At end of project, a triple axle Type 1 water tender will be able to access Hyatt Reservoir off Hyatt Way, be able to turn around, and connect to a drafting connection that is submerged into the water to establish a water supply. Final driveway width and rock surface will be of sufficient construction to allow a 40,000 lbs triple axel vehicle to travel without restriction. Sufficient culverts should be installed/improved to ensure longevity of road base after project completion. Remove all vegetation that will limit access, parking areas, and turnarounds. All drafting connections will be tested by fire service personnel before completion of the project to ensure proper installation.