



Double Horn Creek Water Supply Corporation

Private Fire Protection Water Storage Tank(s)

Project Status

August 12, 2020

Background

- At the January 2020 annual Double Horn Creek Water Supply Corporation (DHCWSC) meeting the members *enthusiastically* approved a plan to use excess reserve funds to install a fire protection water storage tank in the DHCWSC service area.
 - Additional tanks may be installed in subsequent years.
- Project planning and execution are underway under the direction of the DHCWSC Board of Directors. Two subcommittees have been formed:
 - Site Selection
 - Tank technical specifications

Subcommittee Actions

- The site selection subcommittee has consulted with the Emergency Services District 9 (ESD 9) fire chief and fire marshal. Candidate sites were reviewed. Their recommendation is to place the tank near the Vista View gate.
 - Quick access from/to SH 71
 - Wide paved turnaround and operating area
 - Minimal turns in/out of the neighborhood
 - Proximity to neighborhood main thoroughfare for fire hose access

Subcommittee Actions (continued)

- The property owner (Lot D2) has agreed to provide an easement for the tank site and operations.
 - DHCWSC has retained legal counsel to prepare the easement document.
 - Counsel has advised that DHCWSC obtain letters from City of Double Horn and DHIA acknowledging their support/approval for the project.
 - On August 10 DHIA conducted a board meeting during which their support was affirmed. Letter is forthcoming.
 - ***Current request:*** City of Double Horn city council provide a similar letter.

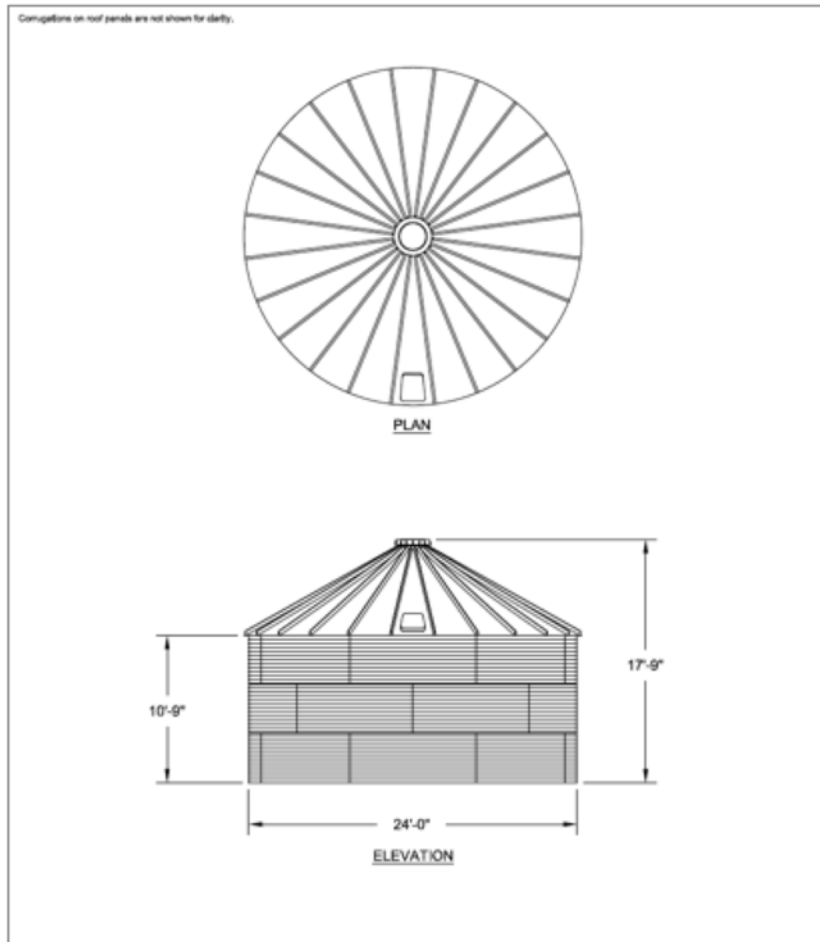
Subcommittee Actions (continued)

- The technical specifications subcommittee has reviewed tank sizes and optional features.
 - Tank will be compliant with National Fire Protection Association (NFPA) Standard on Water Supplies for Suburban and Rural Fire Fighting (NFPA 1142)
 - Capacity of 30K gallons or larger may positively impact ISO* rating

*ISO stands for Insurance Services Office (ISO), which is an independent, for-profit organization. The ISO scores fire departments on how they perform against its organization's standards to determine property insurance costs.

Example: Marble Falls with a 24/7 paid fire/rescue department and adequate fire hydrants in the city has an ISO rating of 3. Spicewood area currently has an ISO rating of 10.

Proposed Dimensions/Capacity



36,000 gallon capacity

- 36 minutes of firefighting support at 1,000 gallons per minute consumption
- Longer support time for less consumption rate, such as grass fires
- Base will extend 18" from the tank vertical edge

Technical Features and Options Under Consideration



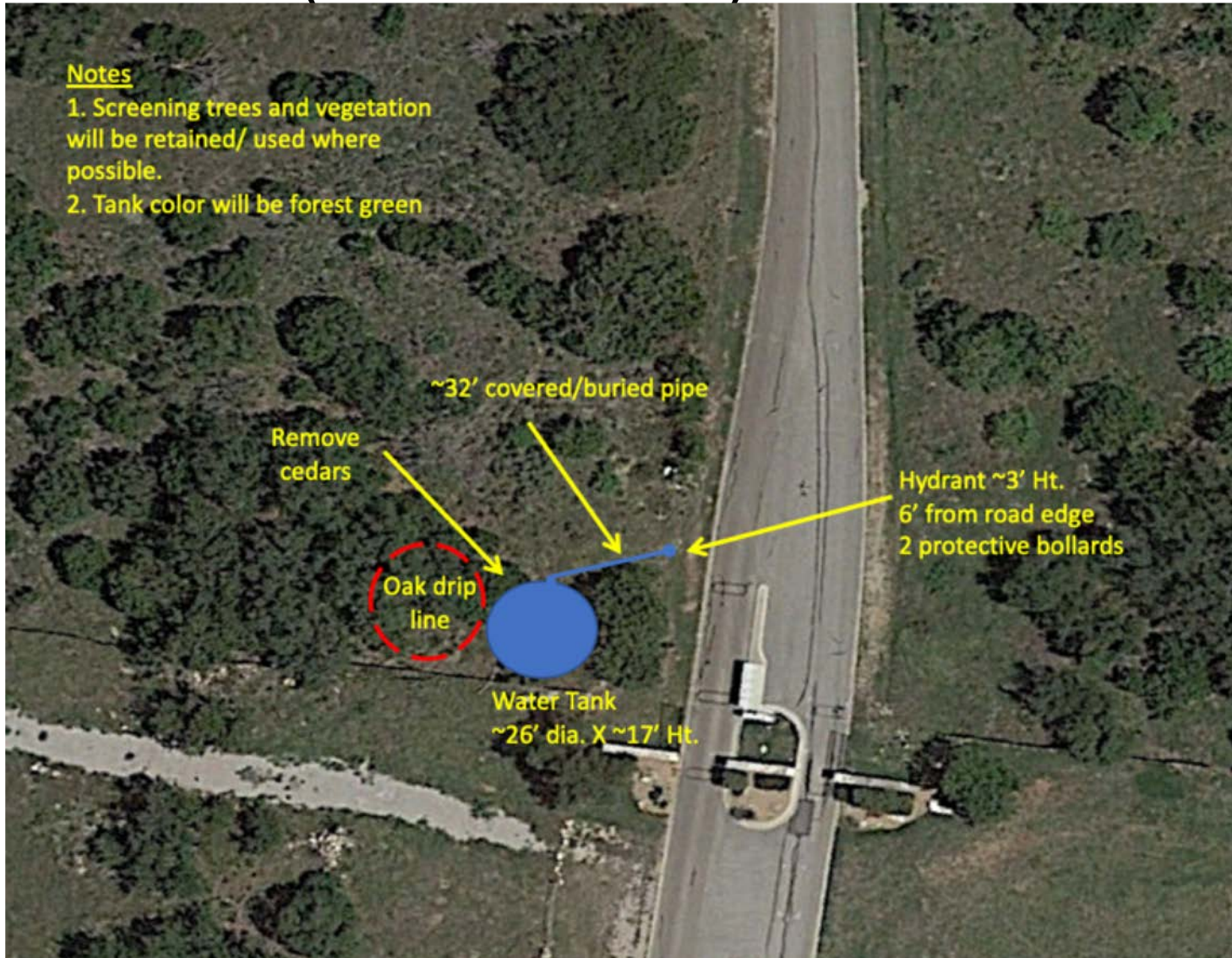
Other detail

- Color: Forest green
- Painted metal exterior
- Connector: Standard fire hydrant

Site Placement



Site Placement (continued)



Forest Green Appearance



Rainwater collection tank located at 103 Vista View

Current Site Appearance (Ground Level)



Proposed Site Appearance (Ground Level)



Operations & Maintenance

- Maintenance will be the responsibility of DHCWSC
 - Initial water fill and periodic top-off (dedicated water meter)
 - Water purification
 - Appearance
- Mechanical operations and testing
 - Support Spicewood Fire/Rescue drills and training
 - Periodic mechanical test and repair

This water storage tank is a shared asset available for all local firefighting operations

Next Steps

- Confirm technical specification details
 - Tank
 - Support base platform
- } Volunteer technical assistance provided by Sid Maxwell
- Site coordination
 - Property owners – Easement document preparation underway
 - Double Horn HOA (DHIA) – Presentation August 10, 2020, support letter forthcoming
 - City of Double Horn City Council – Hearings scheduled
 - Lower Colorado River Authority (LCRA) – Application in work
 - Prepare and execute a bidding process
 - Installation

Burn Ban



In Effect



...citizens, this water storage tank is a good idea!