



MEETING MINUTES

DATE: 07/27/2021
JOB NO.: 245.0040
SUBJECT: ECWAG Project Workshop

ATTENDEES:

- **Terrace Lakes Water Company:** Dennis Largent, Julie Stillman, Mary Cardova
- **Cinter Waterworks:** Terry Tucker
- **Mountain Waterworks:** Tim Farrell, Emily Nicholas

MEETING NOTES:

I. General

- A. We need as much as we can get out of a well. Most wells in the area are 30 – 100 gpm. Success would be in 50 – 75 range.
1. Small capacity wells are common in the area, and similar mountainous areas. Therefore, communities like Terrace Lakes often need multiple wells.
 2. Usually, water supply is evaluated from the perspective of the largest source out of service. This is because sometimes wells (usually well pumps) go out of service.
- B. There was a meeting with Ilene Johnson, which went well. Collaboration is possible. If collaboration wasn't possible, the board would need to explore areas outside the Ranch to drill the replacement well.
1. No conversation of cost during the meeting.

II. Three Location Options

- A. Two possible sites for new well. These were submitted to USDA as potential sites for the new well.
1. Area by Well No. 5 / along road.
 - i. Benefits
 - a. There is 3-phase power along road
 - b. Generally, it is easier to find water along the road.

- c. There is currently a stub out at Well No. 5 for future transmission connection.
 - ii. Challenges
 - a. Crossing the creek to get back to the transmission main along the road will increase cost.
 - b. Additional transmission main to connect to the existing distribution system will increase project cost.
 - c. Obtain an approved water right (point of diversion) transfer. Estimated to take 3 – 6 months.
 - d. Collaboration with Resort for easement acquisition.
- 2. Well No. 3 lot.
 - i. Benefits
 - a. Currently there is an approved point of diversion associated with the water right at the Well No. 3 location.
 - ii. Limitations
 - a. Currently, site has single phased power, and the equipment will require three-phase. However, Well No. 4 and Well No. 6 are single phase and use equipment to transform power onsite as part of wellhouse equipment.
- B. Private well (Ron Sneed) near Well No. 4. – Not a viable option
 - 1. Challenges
 - i. Public drinking water wells have different construction standards than private drinking water wells.
 - a. Example: The existing Sneed well has a 35-foot seal; however, a municipal well requires 58 feet of seal.
 - ii. Well tests on well logs are often not descriptive of what the actual capacity of the well is. In the case of the Sneed well, the 300-foot drawdown at 100 gpm occurred over 1 hour, indicating that the well does not sustainably produce 100 gpm. Likely, the well was pumped dry during the pump test.

III. Water Rights

- A. As part of each water right, there is an approved point(s) of diversion. the area along the road near Well No. 5 is not an approved point of diversion. To drill a well near Well No. 5 (along the road), an application to IDWR would need to be completed and approved.

IV. Well No. 3

- A. Original well was drilled in 1994. The well was then reconstructed in 2006. Reconstruction included drilling the well deeper (to approximately 400 feet) and installing a 5-inch steel casing and screens.
- B. Current well capacity is limited by pump size, which is limited by well construction.
- C. The Resort owns the Well No. 3 lot. The existing easement will be expanded.
- D. Radio Signal
 - 1. Takes signal from Reservoir to turn on / off.

V. Terrace Lakes LSAS (Drainfield)

- A. The permitting to re-do the failing LSAS system was started, but not completed. The location is for a site adjacent, to the north, of the existing Well No. 3.
- B. Mountain Waterworks discussed this with IDEQ today and will acquire a copy of the proposed LSAS document.

VI. Replacement Well

- A. Anticipate seal to approximately 100 feet below ground surface

VII. Easement

- A. Board will have to decide if they want to expand existing easement at Well No. 3, or if they want to pursue a lease option.

VIII. Moving Forward

- A. Replacement well will be a new well and existing Well No. 3 will be used as emergency well.
- B. Will keep the existing Well No. 3 as an emergency well and notify IDEQ. A new point of diversion will need to be added to the water right for the second well at Well No. 3 Lot. While in the process, will add area near Well No. 5 along road as a point of diversion for future use.
 - 1. Mountain Waterworks will start this work.
- C. Survey
 - 1. Survey is an owner provided service. USDA-RD did not want it to be part of the engineering budget.
 - 2. Survey is a reimbursable expense by the grant.
 - 3. Will need to be done sooner rather than later.
- D. Mountain Waterworks would like to do monthly meetings with the board.

LIST OF ATTACHMENTS:

1. Action Item Log
2. Decision Log

ACTION ITEM LOG

ACTION ITEMS	RESPONSIBLE PARTY	DATE RESOLVED
Contact Surveyor	MWW	
Water Right Point of Diversion Transfer	MWW	

DECISION LOG

NO.	DATE	DECISION
1	7/27/2021	The new well will be located at the Well No. 3 lot and the existing Well No. 3 will be used for emergency.
2	7/27/2021	Sneed well (private) is not viable option for Terrace Lakes Water Company acquisition.