



Southside Water and Sewer District

PHASE 1 – WATER SYSTEM IMPROVEMENTS PROJECT

Kickoff Meeting Agenda

August 15, 2023

ATTENDEES

- District:
- Keller Associates: Kyle Meschko, Levi McPhee
- NGC – Tom Mullen

PROJECT OVERVIEW

1. Project Overview

- a. Well development and drilling
- b. Well Facility Improvements
- c. Tank Improvements (on Hold)

2. Project goals / objectives

- a. Drill a new deep well to provide redundancy and future capacity for the system
- b. Plan for 3 phase power improvements to the site
- c. Tank improvements (on hold)

3. Project Communication

- a. Keller Roles: Kyle Meschko – Project Manager
 - i. Levi McPhee - Project Engineer
 - ii. Tom Mullen, PG, LHG – Hydrogeologist (Northwest Groundwater Consultants, LLC)
- b. SWSD Roles:
- c. Lead point contact:

PROJECT SCOPE

1. Well Drilling Preliminary Engineering Report



a. **Well Drilling PER** (to begin following the approval of the well site from IDEQ and draft submitted to District within 30 days)

- i. Topographic Survey – Completed.
- ii. Well Siting Evaluation
 - 1. Application submitted to IDEQ in June
 - 2. Onsite meeting occurred today with IDEQ/District/KA/NWGC
 - a. Outcome of meeting:

iii. Water Rights Update –

Goal to get cumulative water rights to pump instantaneously **360 GPM** or 2054 MDD water demand

Water Source	Water Rights
Shallow Well	202 GPM
Deep Well	188 GPM
Total	390 GPM

Option 1- revise water rights to new point of diversion for new well

Option 2 – apply for new water rights to obtain future PHD of 576 GPM

iv. Opinion of Probable Costs – ongoing to be provided with draft PER

2. Well Drilling Design (to begin following well drilling PER approval)

- a. Contract documents to bid the construction of the well drilling/casing
 - i. 2018 EJCDC Front Ends
 - ii. Plan sheet showing well location and connection to existing system
- b. Opinion of Probable Cost to be updated with 90% design

3. Well Drilling Bidding and Construction

- i. Bidding – led by Owner with Consultant support
- ii. Construction Administration
 - 1. Submittal reviews
 - 2. Respond to RFIs, review pay requests, review change orders and field order requests
 - 3. Preconstruction Meeting
 - 4. Pump Test and Water Quality Testing – oversee and assist in setup for pump testing
 - a. Monitor water level in new well and nearby wells
 - b. Water quality sampling and submitting to analytical lab
 - c. Provide Microscopic Particulate Analysis test if needed
 - 5. Provide drilling oversight of field drilling activities
- iii. Well Completion Report



1. Prepare and submit to IDEQ following well drilling
4. Tank Improvements (On Hold)

PROJECT SCHEDULE

1. Well Drilling Preliminary Engineering Report – completed within 30 days of approval of well site evaluation
 - a. Well site evaluation approval:
2. Well Drilling Design – completed within 30 days of approved Well Drilling Preliminary Engineering Report
3. Well Bidding and Construction – assumes a duration of 90 days
4. Tank Improvements – TBD based on revised scope

Miscellaneous water pumps summary

Well Pumps	Capacity	Existing Well Capacity (firm)	Future Well Capacity (firm)	
Ex Shallow Well Pump E	136 gpm	136 gpm		
Ex. Shallow Well Pump W	155 gpm		155 gpm	
Ex. Deep Well	181 gpm		181 gpm	
New Deep Well	360 gpm*			
Total		136 gpm	336 gpm	

*to be determined

