

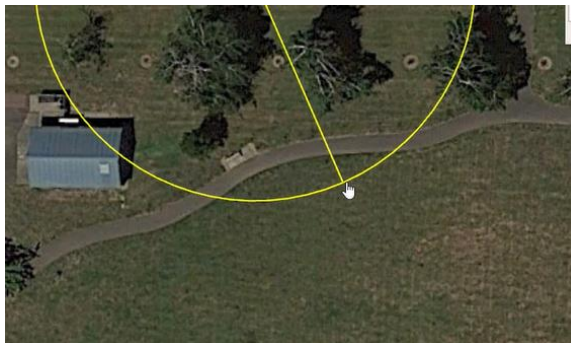
Project Name:	Aurora Well No 3	Meeting No.:	01
Project No.:	222041-005	Location:	Microsoft Teams
Attendees:	Mark Gunter, City of Aurora	Prepared By:	Luke Tabor
	Walt Burt, GSI		
	Chris Wick, GSI	Next Meeting Date:	TBD
	Peter Olsen, Keller Associates		
	Luke Tabor, Keller Associates		

plain = agenda item

bold = minutes

Agenda

1. Introductions
2. Review City Priorities
 - a. The improvements to be made to Well #3 include drilling a new well at Aurora City Park, decommissioning the existing well, plumbing the new well into the existing Well #3 yard/wellhouse piping, and providing permanent backup power to the new Well #3 and the existing Well #4 that is also located at Aurora City Park.
3. Site Discussion
 - a. Site aerial discussion of proposed well
 - i. **City prefers well to be placed immediately east of existing well on north side of path, if possible. Extend existing building over new well if pit less adapter not used. Also, okay with this location**



ii.

- iii. Certain offsets from property line for drilling (100 ft) – OHA requirements.
 - 1. Existing well is less than 100 ft from northern property line, can new well be grand fathered? GSI to look into this.
- iv. Enclosed area vs pit less adapter. City okay with either way, just prefers drilling to be out of the way
- v. Trees can be removed and replanted if needed.
- vi. Path alterations
 - 1. Temporary – Orange fencing around drilling area sufficient, temporary path not needed.
 - 2. Permanent – Path alterations okay. (Asphalt path)

b. Site walk

- i. Select well location
 - 1. **Site Visit: 3:30 on Wed September 14th**
 - o Sanitary setbacks - GIS files?
 - o Keller to provide GIS files to GSI. (Luke)
 - o No other sanitary sewer infrastructure that City knows of.
- ii. Discuss drilling logistics (water supply, site access/security, power, drill pad, water management, erosion control, site restoration)
 - 1. Discuss during site visit.

4. Phase 1 Well Drilling Design

a. Drilling approach and design for the project

- i. Preliminary Design
 - o Establish design criteria

Aquifer Supply	Alluvial-supply in Willamette Basin
Desired Pumping Rate and Pump Size	200-300 gpm; 12-inch minimum pump chamber
Well Depth	260 feet; this is a similar depth to existing Well 3 (244 feet)
Well Seal Depth	140 feet; to fully seal off upper sand and gravel and into the aquitard
Temporary Casing and Permanent Well Casing	Temporary casing: 20-inch nominal diameter, low-carbon steel (0.375-inch wall) for well seal installation; Permanent casing: 16-inch nominal diameter, low-carbon steel (0.375-inch wall) for production casing
Well Screen	45 feet of 10-inch pipe-size diameter, stainless steel, continuous wire-wrap screen; 0.030- to 0.050-inch slot size, positioned between 210 and 250 feet bgs (includes a 5-foot section of screen above for pressure relief)
Filter Pack	10-20 or 8-16 filter pack sand

- o Finalize drilling and testing plan.

- o Finalize preliminary well design.
 - ii. Final Design
 - b. OHA Plan Review
 - i. Land use compatibility statement – who is local planning authority?
 - ii. **Mid-Willamette Valley Council of Government (MWVCOG) – Scott**
 - iii. **Get Contact Info from Keller (Luke)**
 - iv. Initial plan review submittal (well location/setbacks)
 - v. Final plan review submitted after well is completed and tested
 - c. Water rights
 - i. Compile data and information from City
 - ii. Prepare water rights transfer application to OWRD
 - 1. **Will add point of appropriation to new certificate instead of eliminating existing well.**
 - iii. Certificate of beneficial use (COBU) to be completed later after well completed and in use
 - iv. **Start process as soon as location is selected**
 - d. Technical specifications
 - i. Development technical specifications (well construction/well decommissioning), bid sheets, and engineer's estimates
 - 1. **One bid and spec doc for drilling and decommissioning.**
 - ii. Assist Keller integrating well construction technical specifications into final bid documents
 - iii. Solicit interest from potential drillers
 - iv. Pre-bid meeting and bid advertisement
 - o Provide bid assistance to City/Keller (addenda, review bids, qualifications, etc.)
 - e. Well construction/decommissioning oversight
 - i. Details to be discussed closer to pre-construction meeting but does City have any immediate questions?
 - ii. Sequencing of Well 3 decommissioning
 - f. Review how elements of Phase 1 fit together (see PDF)
5. Phase 2 Well Facility Design
- a. Design Criteria
 - i. Temporary equipment to be sized to 140 gallons per minute, Permanent 225 gpm.
 - ii. Pressure requirements at Well No. 3 – XX ft (**Design pressure to be determined during site visit.**)
 - iii. Assumes existing sodium hypochlorite injection system, lakos separator, valves, pump to waste, well house, and other appurtenances are acceptable for reuse (if applicable)

- iv. Assumes Well No .3 is three-phase 240-volt delta connection system with no backup power capabilities (transfer switch)
- v. Assumes Well No .4 is three-phase 240-volt wye connection system with backup power capabilities (transfer switch)
 - 1. **Keller electrical engineer has concerns over using same generator with two different connections. Keller to investigate solutions/alternatives.**
- b. Design Questions
 - i. Who is power utility in area? **PGE**
 - ii. Generator – diesel, natural gas, or propane? **Diesel, dual fuel option (preference)**
 - iii. How long can well #3 be shut down? Can it be shut down during construction? **Can go months at a time without Well #3 if needed.**
- c. City Information needed
 - i. Drawings of existing well / Park
 - ii. **City to look into Well #3, Well #4, and Park drawings**
- 6. Project Schedule
 - a. Following kickoff meeting, project schedule will be developed to reflect:
 - o Initial OHA Site Plan
 - o 60% technical specifications
 - o 90% technical specifications
 - o Advertisement & bidding and addenda
 - o Time between Intent to Award and Notice to Proceed
 - o Drilling, testing, and completion

Other Items Discussed

1.