



OAK HILL WELL PROJECT UPDATE

2ND COMMUNITY MEETING

JUNE 1, 2023

BY: DAN HERRERA, P.E.
ERICA JACOBS

Agenda

- Project Status Update
- Construction – What to Expect
- Visual Elements
- Next Steps for Oak Hill
- Q&A

Oak Hill Well Project Status



Project approved at September 12, 2022 City Council Meeting



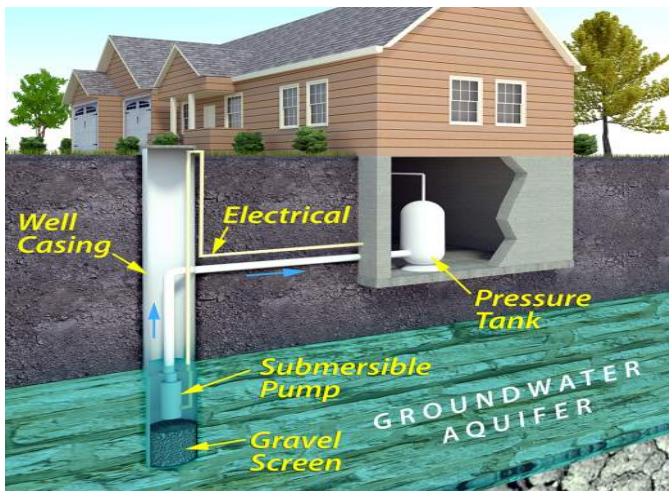
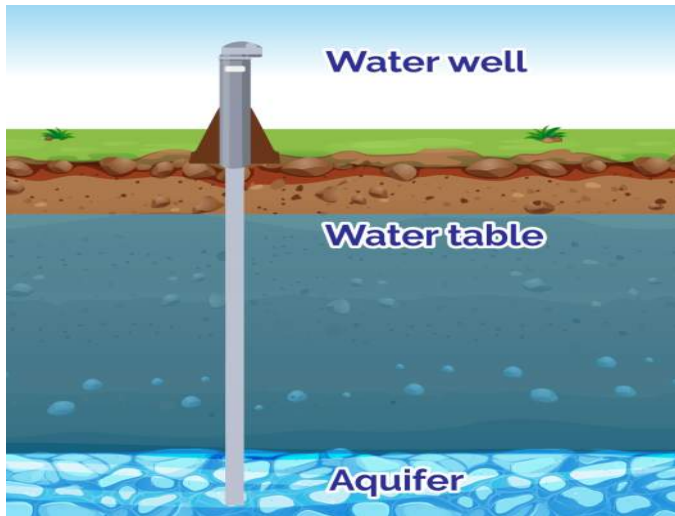
Sonoma County enacts drilling moratorium late 2022 – May 2023



Finalizing specs and design documents



Expected to begin work later this year

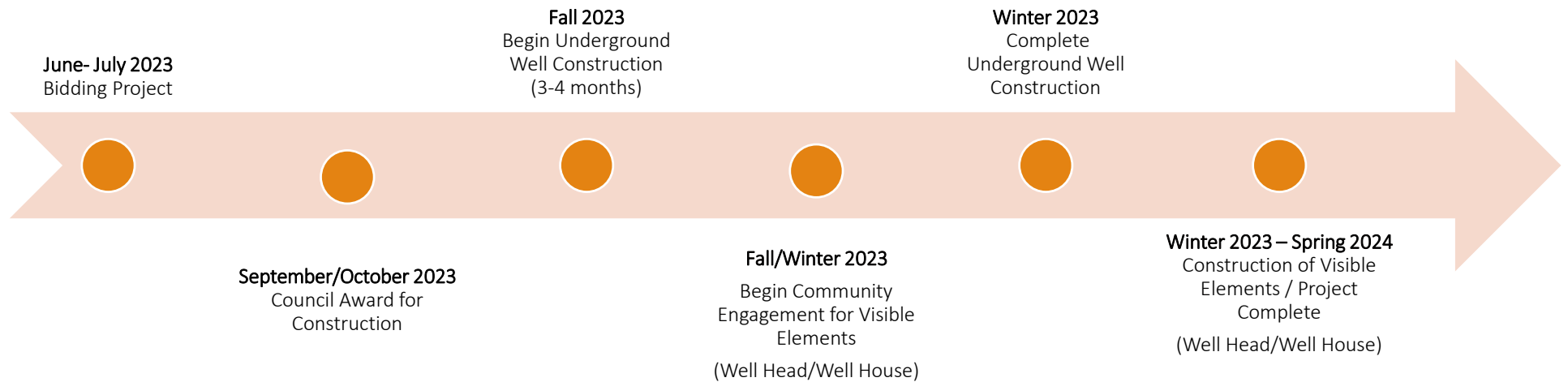


Oak Hill Well Refresher

- Why Now?
 - Ensure water sources on west side for future drought and other emergencies (earthquake, fires, etc.)
- What does it look like?
 - 12-inch diameter well underground to a depth of 500 feet. This portion is fully underground.
 - The well will have above ground elements such as well head and well house (to be discussed later).
- When Is it Used?
 - For emergencies only



When is it happening?





What to expect during Construction?



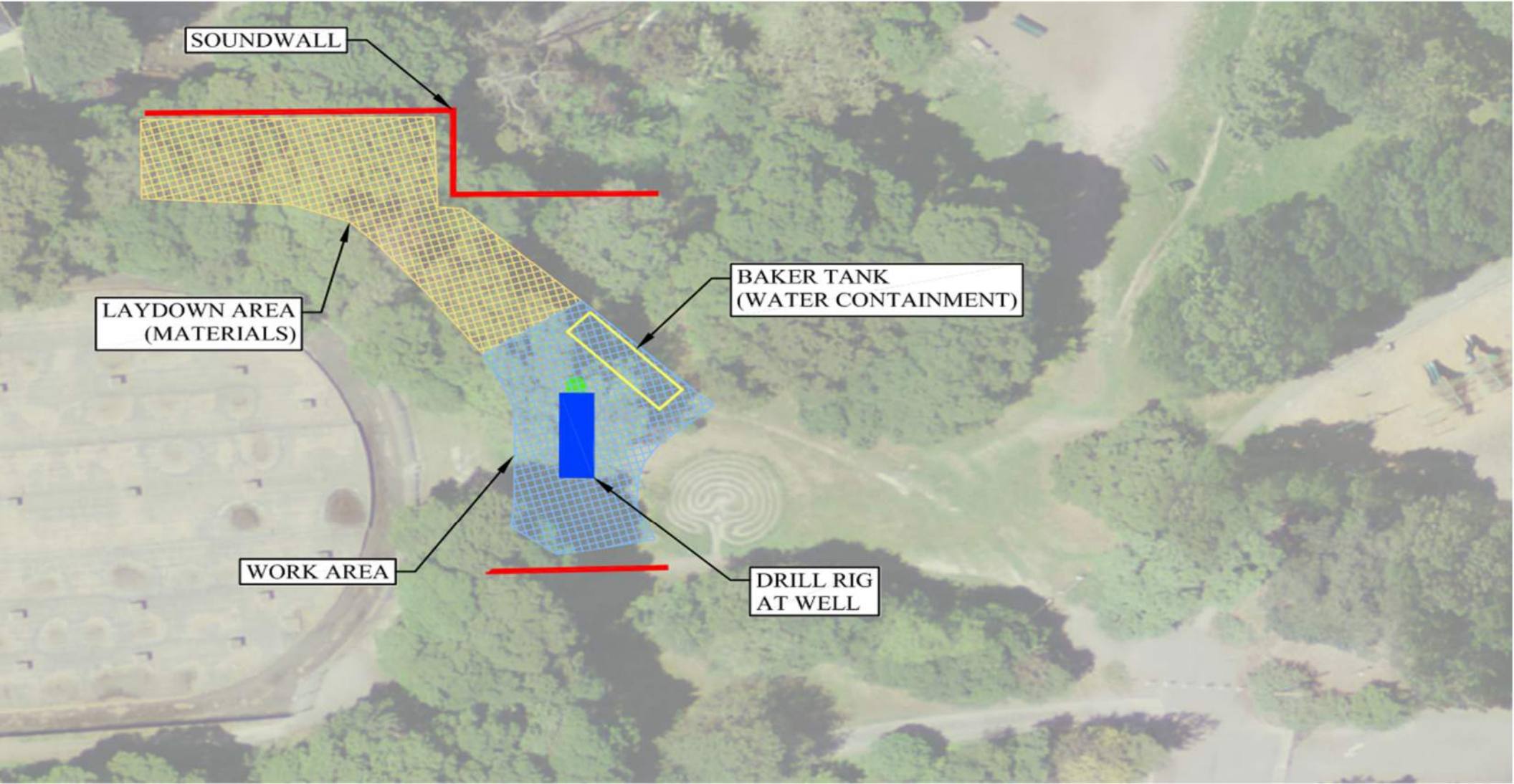
- Truck Mounted Drill Rig



- 20-foot Sound Barrier



- Baker Tank for Well development



SOUNDWALL

LAYDOWN AREA
(MATERIALS)

WORK AREA

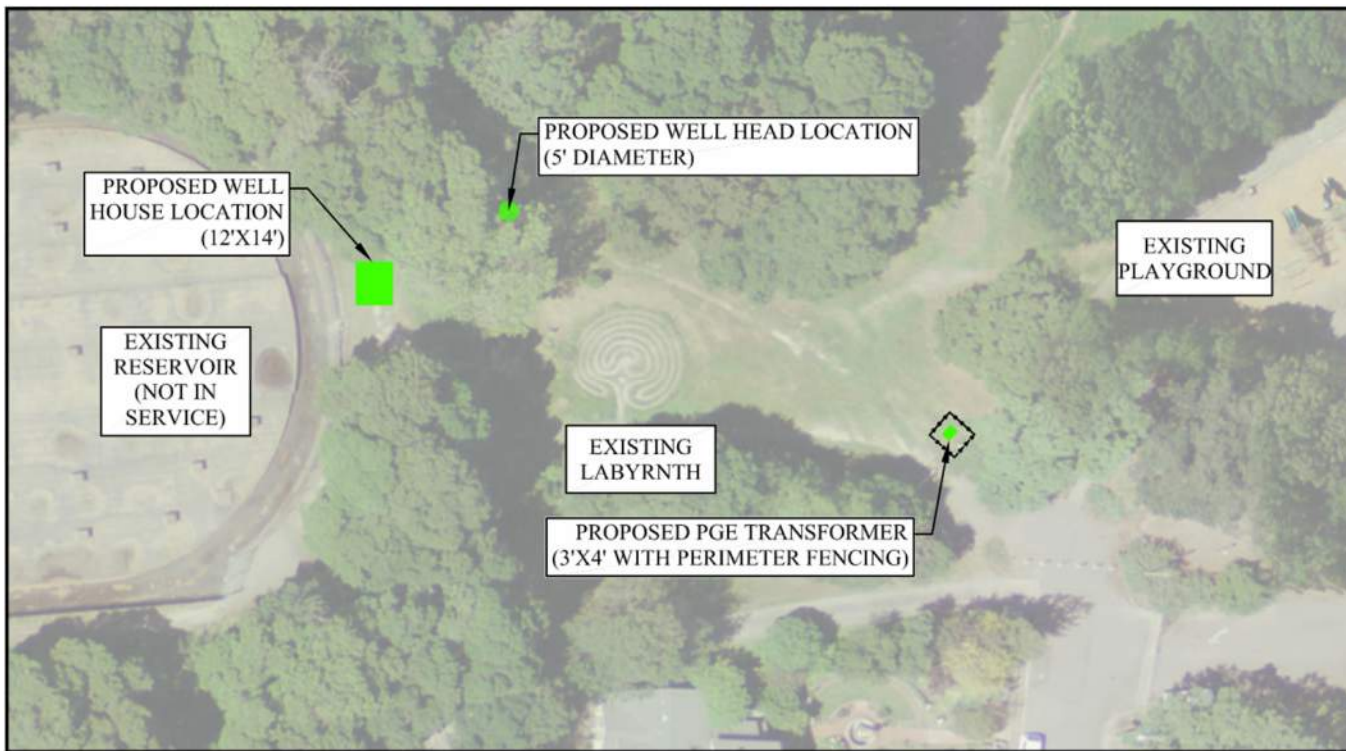
BAKER TANK
(WATER CONTAINMENT)

DRILL RIG
AT WELL





Oak Hill Well Visible Elements



- Well Head
- Well House
- PG&E Transformer
- Community Collaboration Opportunities



Visible Element Locations



Entrance to Oak Hill from Park Ave
(PGE Transformer Location)



Between Labyrinth and Reservoir
(Well Head Location to the right)

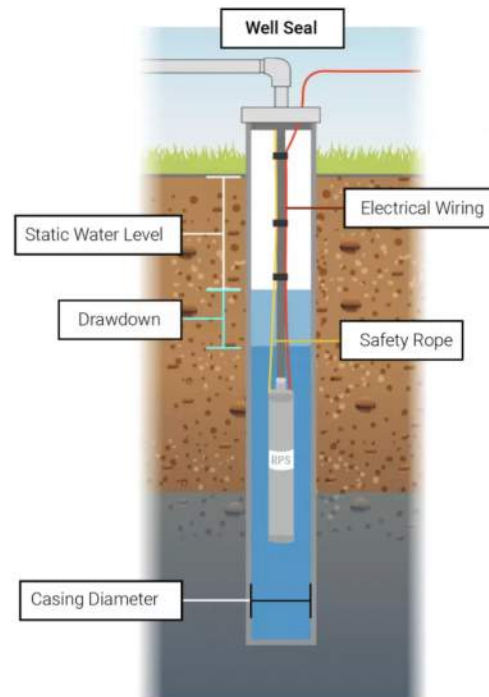


Top of elevated area/Reservoir
(Well House Location)



Well Head

- The Well Head is the actual location of the 500 foot well
- Contains the submersible well pump, piping delivering water, and electrical wiring
- Provide access for maintenance of the well and pump





Well Head

- Possibilities for visual elements of well head
- Design Collaboration with Community
 - Workshop
 - Online Survey



Slide 12

- MJO** [@Herrera, Dan] how do you plan to gather the feedback? Do we have options we can do a poll or survey on? Maybe let people know a survey will be sent out after the meeting and just introduce them to the ideas now?
Medina, Jessica, 2023-05-26T22:24:34.524
- HD0 0** yes, I think a survey will be done, and then possibly a meeting to discuss the results? I think the purpose of this meeting is just to let people know the kinds of things we want feedback on (well head, house, pge), and we will have future meetings/surveys to solicit feedback. there is a bullet point in the schedule slide which shows the timeframe for soliciting feedback.
Herrera, Dan, 2023-05-26T22:54:00.855
- MJO 1** [@Herrera, Dan] sounds good! I think for each of these we can do 2 slides - one explaining what the element is and how it works with a simple photo, and one that is just photos of examples of what it could look like
Medina, Jessica, 2023-05-26T23:08:53.385



Well House

- The Well House contains:
 - Electrical controls
 - Flow measuring
 - SCADA
 - Disinfection
- Solicit community feedback on visual element/style on the well house





PG&E Transformer

- Energy for well pumps requires 3 phase power and PGE transformer
- Located at entrance of reservoir site at Park Ave
- Requires setbacks and possible security
- Opportunity for art project





Next Steps for Oak Hill Area



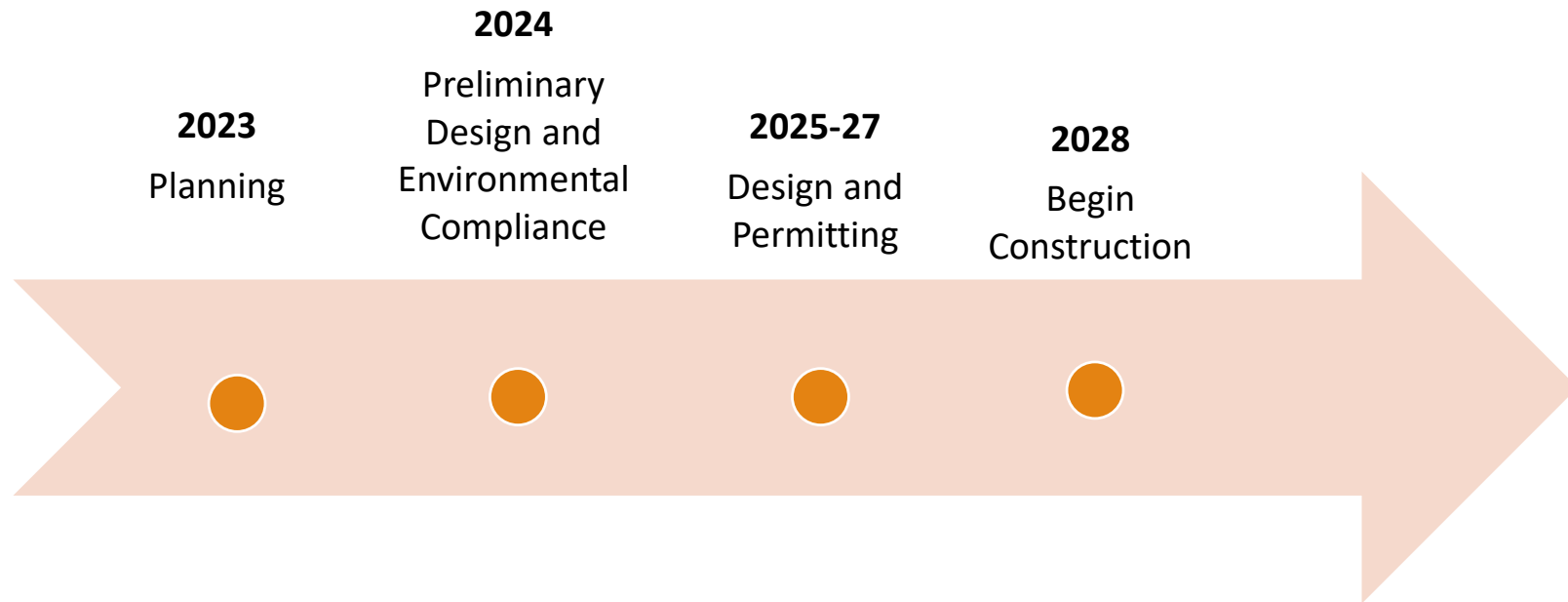
Oak Hill Tank Replacement Project

- Oak Hill Tank is an important part of the City's water distribution and pressure system, including fire protection, for the Downtown area
- Tank Replacement project will:
 - Remove and replace current tank with underground tank
 - Explore park space and/or amenities for top
 - Long process with lots of community collaboration
- More information to come! Sign up to receive updates: cityofpetaluma.org/oakhilltank

Slide 16

JEO [@Herrera, Dan] [@Jessica Medina] Hi Dan and Jessica, please review. Thanks!
Jacobs, Erica, 2023-05-31T00:19:48.634

HDO 0 Looks good.
Herrera, Dan, 2023-05-31T17:12:12.529



Oak Hill Tank Replacement Project Timeline



How will you know?

- **MAIL/EMAIL:**
 - Letter a few weeks in advance of construction
- **CITY WEBSITE:**
 - The City of Petaluma will have project updates available on the project website: cityofpetaluma.org/oakhillwell
- **COMMUNITY FEEDBACK:**
 - We will have an online survey and future community meeting to solicit feedback on the visual elements of the Oak Hill Well

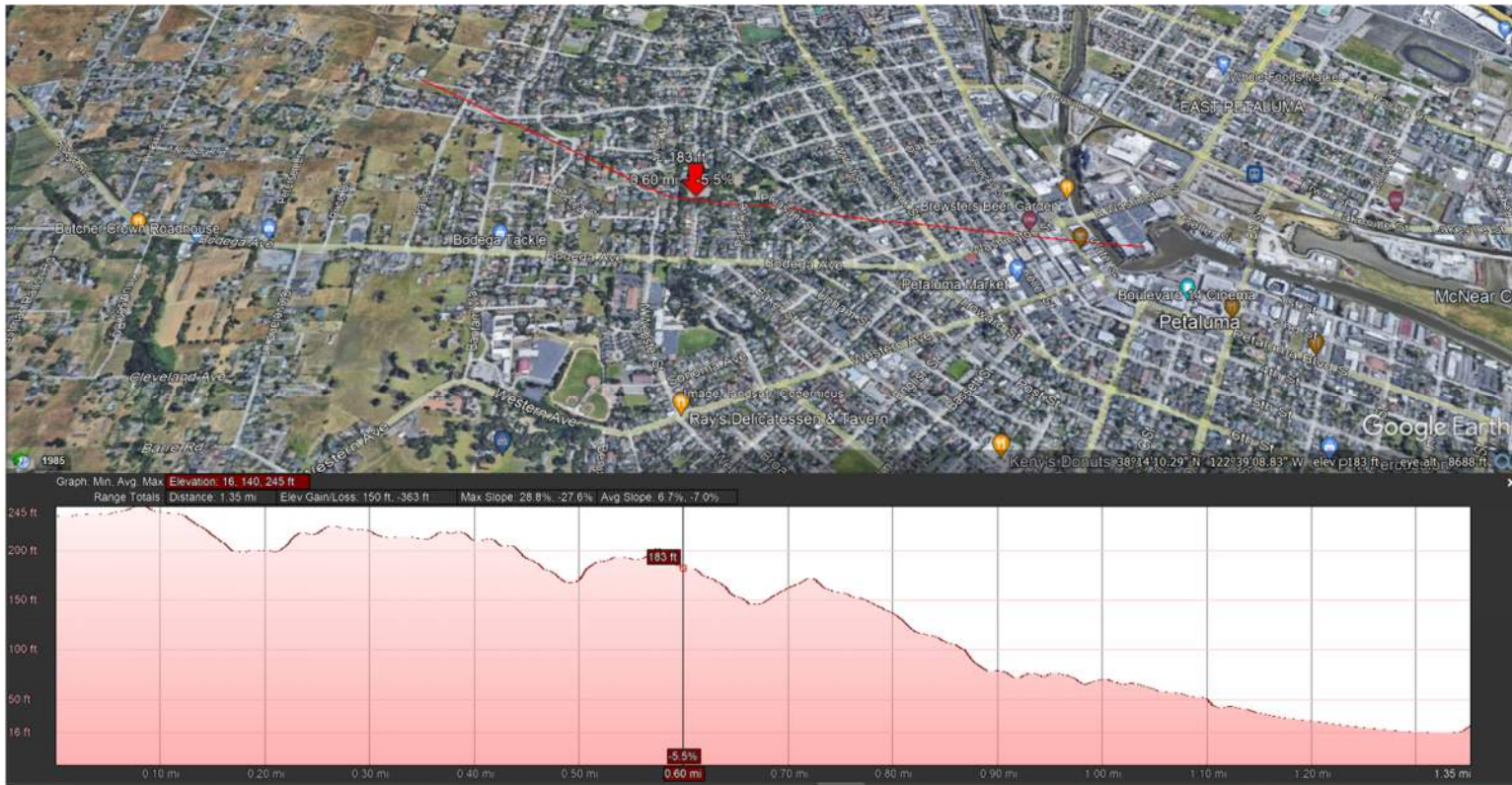
Slide 18

- MJO** [@Herrera, Dan] I think we need another slide that outlines how they can provide feedback on the visual elements and maybe hold another meeting to go over their results?
Medina, Jessica, 2023-05-26T22:26:01.754
- HD0 0** I think that would be helpful. I think we need a meeting in the future to just focus on that, whether the meeting is in front of the solicitation for feedback, or summarizing the feedback results, I'm not sure yet.
Herrera, Dan, 2023-05-26T22:55:43.669
- MJO 1** [@Herrera, Dan] ok so maybe the intention mentioning it here is to just give ideas on the elements we plan to collaborate on with the community in the future. So present the info as you have proposed, then say we'll be holding a special meeting and doing a survey to further inform the look/design of the visual elements
Medina, Jessica, 2023-05-26T23:07:36.491
- HD0 2** ok, sounds good.
Herrera, Dan, 2023-05-26T23:19:20.616

Questions & Answers



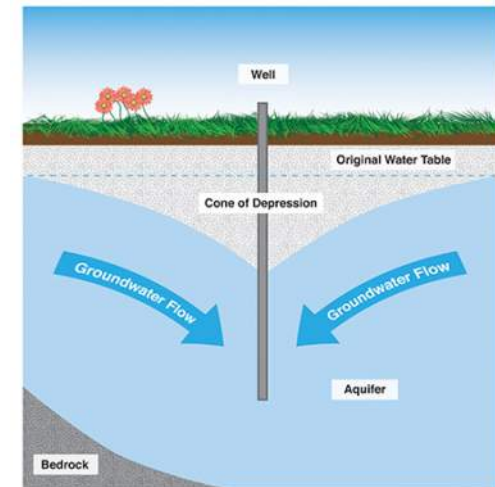
Why Oak Hill?



- No, fiber optic is not a viable solution to transfer data from water meters.
- Even in a fiber optic distribution system, water meters would still transfer data via radio frequency to collectors that would then use fiber to transfer that data to the Utility.
- The cost of fiber is not justifiable in a water meter technology upgrade project

Oak Hill Well Refresher

- The well construction project is to drill a 12-inch diameter well underground to a depth of 500 feet. This portion is fully underground. The well will have above ground elements such as well head and well house (to be discussed later).
- Even though drought is over, the City still needs multiple water sources on the west side. This well is one of a possible four wells on the west side to meet demands. We need to ensure water sources for future droughts.
- The purpose of the well is for emergency use, to ensure the residents on west side of the City have water if anything were to happen to the aqueduct or other infrastructure.





Oak Hill Well Project Status

- Oak Hill Well adopted Mitigated Negative Declaration (MND) and approved the well as a project at the September 12, 2022 Council Meeting
- Sonoma County enacts well drilling moratorium in late 2022, to deny well drilling permits through April 2023.
- Well drilling moratorium lifted on May 18, 2023.
- City Staff and West Yost finalizing specifications and design documents for well drilling project and expected to bid project in June/July of this year.

Slide 22

MJO Hi [@Herrera, Dan] see next slide (#4) for my suggested edits to this slide - majority of info can live in your speaking notes

Medina, Jessica, 2023-05-26T22:14:48.405

HDO 0 so replace this slide with slide 4?

Herrera, Dan, 2023-05-26T22:56:06.701