

WATER PROJECTS UPDATE - 2019

Several thin, white, parallel diagonal lines extending from the bottom right towards the top right of the slide.

WATER PROJECTS UPDATE - 2019

AMI

Well #10

10 MG Storage Tank

Water Reuse

- ▶ 8 of 9 Tower locations finalized.
- ▶ Creative Solutions
- ▶ 1500 meters swapped out.
- ▶ Fiber to all UTOPIA locations.
- ▶ Poles are ordered.

AMI



WELL #10

**HANSEN
ALLEN
& LUCE^{INC}**
ENGINEERS

PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES for OREM WELL #10

submitted to:
CITY OF OREM
February 28, 2018



ENGINEERING EXCELLENCE SINCE 1974

Objective: optimize a location for a new well while considering future storage locations and major transmission line.



Task 1 - Collect, Review, Organize, and Analyze Data

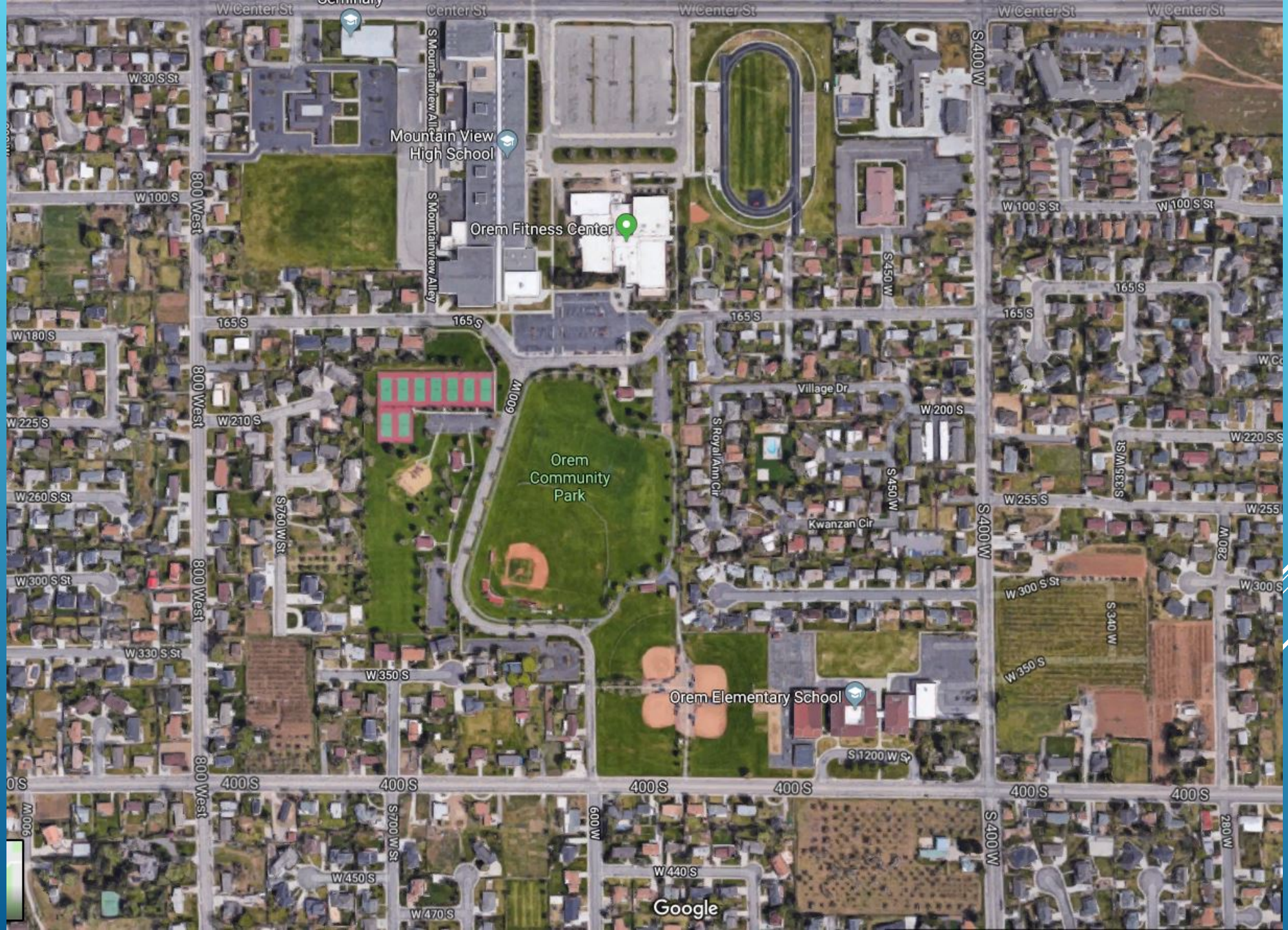
Objective: To collect, review, and organize the data needed to update and calibrate a hydraulic model of the Orem City water system that will be used to optimize a location for a new well while considering future storage locations and major transmission lines.

1

Activities:

1. Review the following information that will be provided by Orem City:
 - a. 2016 Water Master Plan
 - b. Existing hydraulic water model
 - c. 2017 Storage Tank Evaluation and Location Study
 - d. Existing ArcGIS data
 - i. Locations and key attribute data for: pipes, valves, fire hydrant locations, water meters, wells, springs, pumps, pressure reducing valves, reservoirs, and other pertinent system features
 - ii. Water system service areas, pressure zones, contour data
 - iii. Aerial mapping
 - iv. City boundary, parcel data, other pertinent GIS data,
2. Develop a hydraulic model sufficient for determining the most advantageous well location while considering future storage locations, major transmission lines, supply and demand, etc.
3. Prepare for and attend a project kickoff meeting to review the project objectives and schedule, develop project and data coordination procedures, and discuss questions regarding information provided by the City.

WELL #10



STORAGE TANK





▶ 1600 North/Bonneville Park area - 2023

WELL #11- **??**

WATER REUSE



WATER REUSE



PROPOSAL

ENGINEERING SERVICES FOR
WATER REUSE AT THE
OREM WATER RECLAMATION FACILITY



REUSE LINE

Vineyard Road

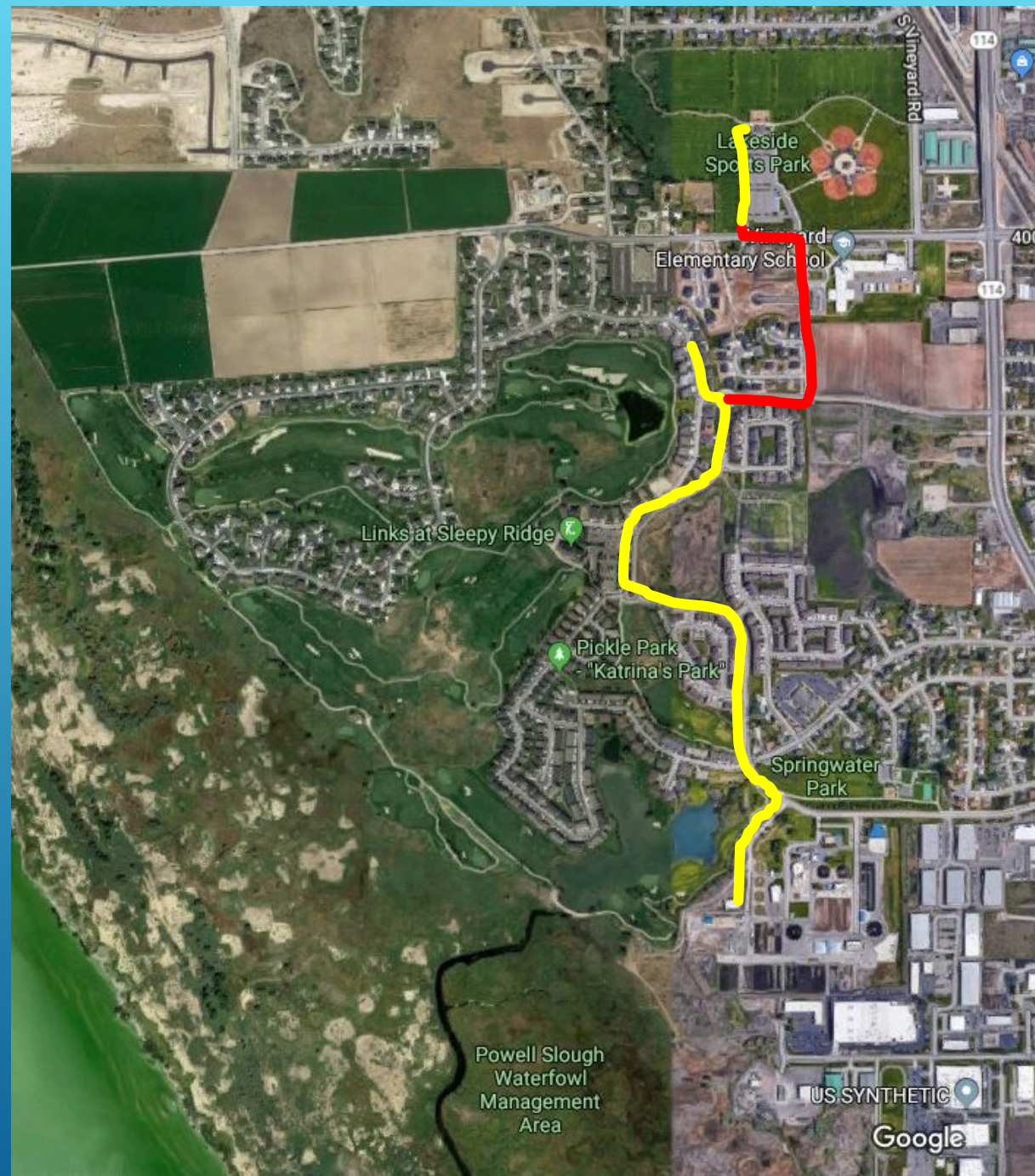
April 24, 2018



WATER REUSE



WATER REUSE



WATER REUSE

