



Digital Equity

Behzad Zamanian Chief Information Officer Washoe County

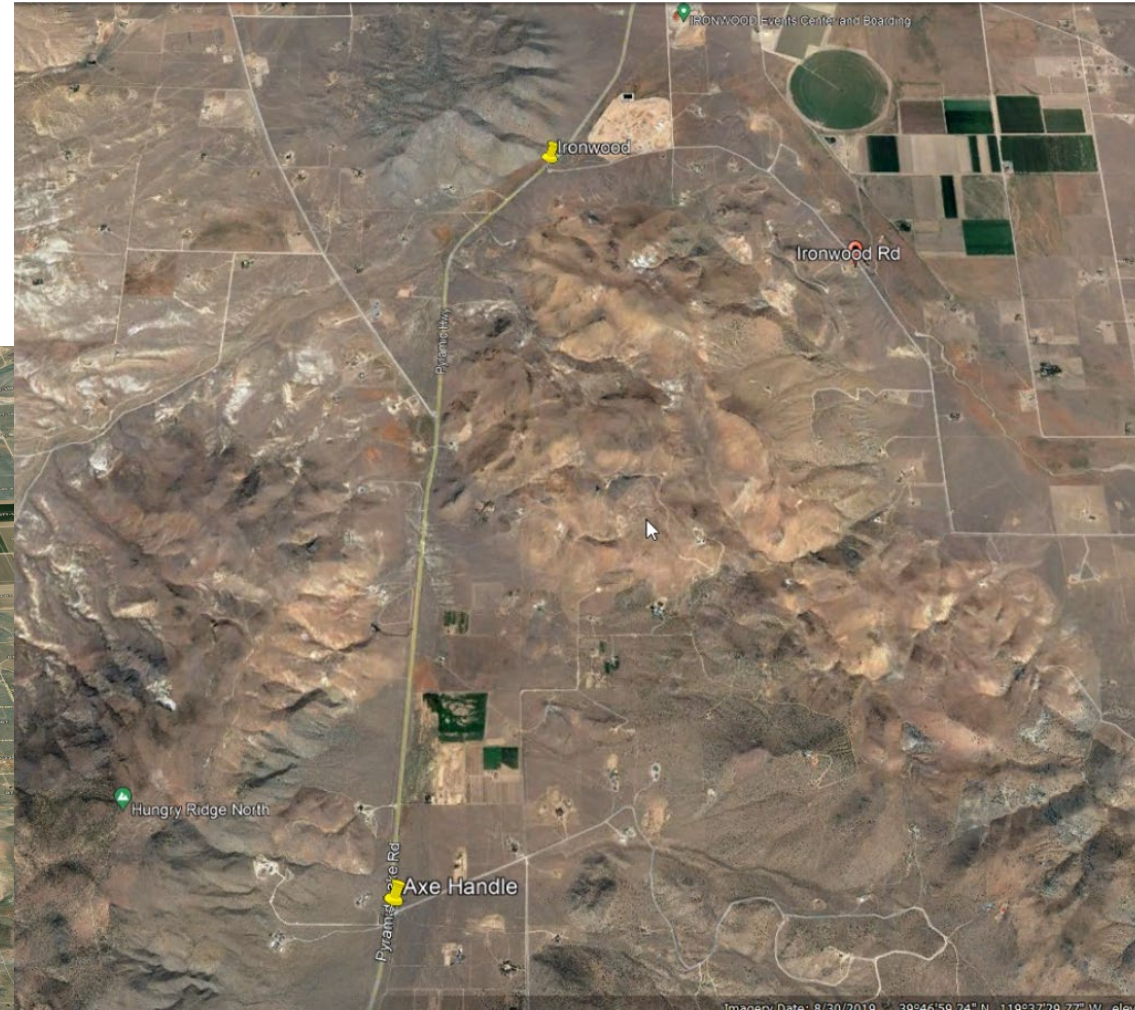
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Cellular Dead Zone



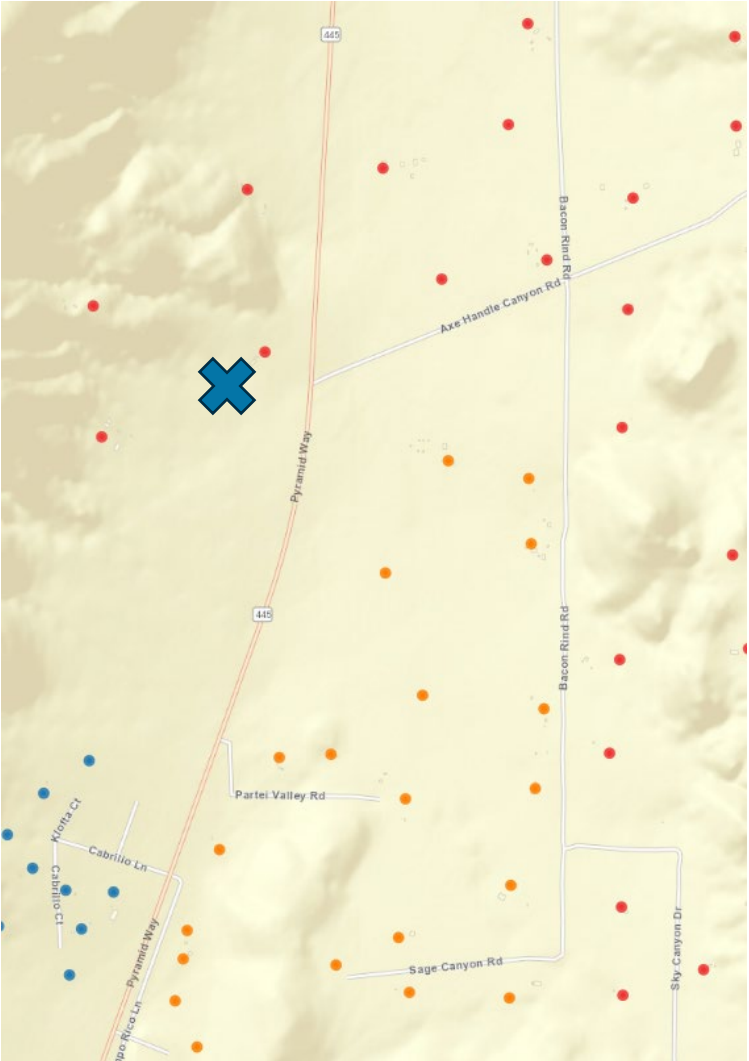
- 19 Miles Dead Zone
- Options
 - County owned property
 - Axe Handle property



Cellular Dead Zone



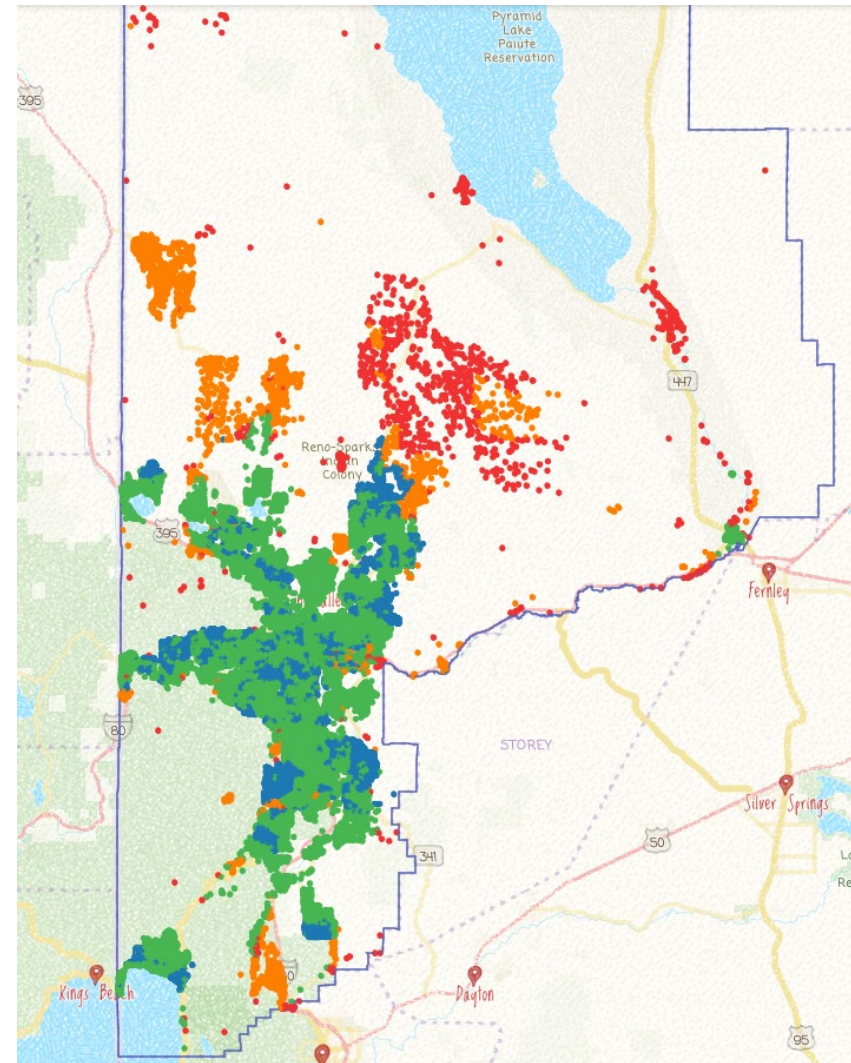
- Verizon
 - Axe Handle



WC Connectivity Fabric / Master Plan



- Orange = Copper / Telephone Line / DSL
- Red = Fixed Wireless
- Green = Cable Modem
- Blue = Fiber



Broadband Priorities

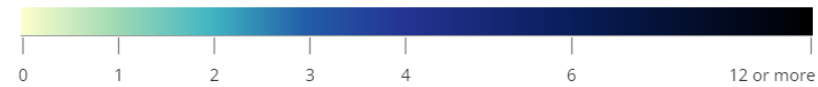


1. Gerlach
2. North Valleys
3. Warm Springs / Spanish Springs
4. Washoe Valley
5. Downtown Reno
6. Echo Loder School / Yori Park
7. Deer Park
8. Governor's Bowl Park
9. Lake Virginia
10. Reno housing Authority
11. Wooster High School



All Providers Reporting Service

Number of Fixed Residential Broadband Providers



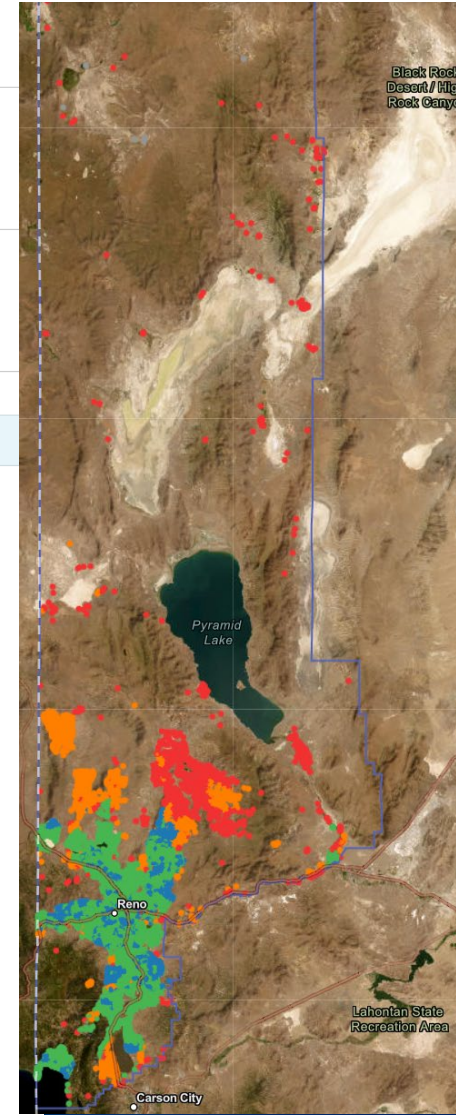
Broadband

Technology ADSL, Cable, Fiber, Fixed Wireless, Satellite, Other

Speed $\geq 25/3$ Mbps

Date June 2021 (latest public release)

Please click on the map or search for a location.



Broadband – Gerlach



OBJECTIVE:

- To provide high speed Internet access for County facilities in Gerlach and construct technology infrastructure needed to offer reasonably-priced high speed Internet option to Gerlach residents.

PROPOSED SOLUTION:

- Use PLPT fiber from i-80 to Nixon
- Build 55 miles of aerial fiber from Nixon to Gerlach
- Light up Library, School District, Community Center, and *other Cuntly facilities on the main path*
- Apply for grant funding source to install fiber to homes in Gerlach
- Vendor to offer affordable high-speed Internet to the community

* Not included in the project scope/timeline



Gerlach Project Phases



- Phase I = Construct Broadband Infrastructure to Provide High Speed Internet Access to County Facilities (August 2022 – July 2023)
 - Use PLPT fiber from i-80 to Nixon
 - Build and install fiber optic cable infrastructure from Nixon to Gerlach
 - E-Rate 60%
 - FCC Matching 10%
 - OSIT 30%
 - Washoe County covers the monthly fee for lid fiber.
 - Provide lid fiber to most County facilities on the Sunset Blvd. This includes the School, Library, Community Center, *Burning Man Office, Roads Department, and other businesses/facility along our main path on Sunset Blvd*.
- Phase II – Offer High Speed Internet Option to Residents (August-December 23)
 - Identify funding source(s) to install fiber to homes.
 - RFP, evaluation, selection, contract, etc.
 - Install fiber from the Communication Center in Gerlach to existing poles and homes

* Not included in the project scope/timeline

Broadband - Gelach Timeline



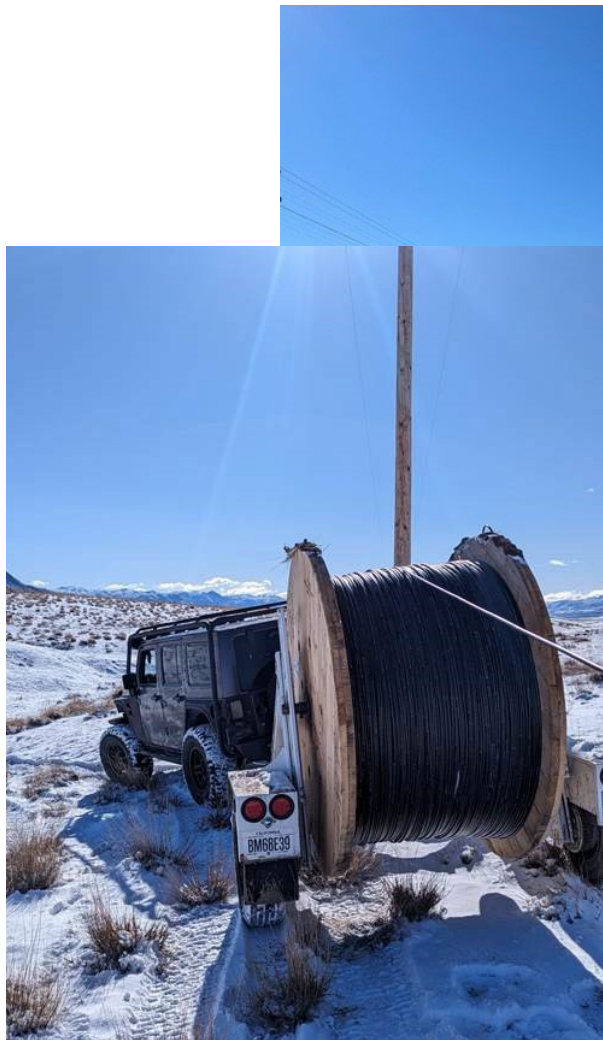
- Developed a working committee – February
- Developed and published RFP - March-April
- Reviewed proposals - April-May
- Awarded RFP to Digital Technology Solutions (DTS) – May
- Established MOU with PLPT on 6/17
- County Approval – June 28, 2022
- Implementation Timeline July 22 – June 23

	Year 1			
	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
Contact Award				
Federal / State / Local Permits / Environmental Assessment				
Engineering / Access / Civil / Structural Designs				
Develop and Submit EA Package to State, Federal, and Tribal Authorities				
Acquire Approval				
Tribal/County / City / ADOT ROW Application and Permitting Process				
Acquire ROW's				
Make Ready / New Line Build				
Make Ready Assessment / Remedy any Issues of Existing Line				
Fiber Optic Engineering				
Site Visit				
Engineering Fiber Backbone				
Procurement				
Finalize Fiber Optics Design Documents and Procure Materials				
Material / Delivery				
Outside Plant Construction				
Underground Construction				
Conduit / Fiber Installation				
Aerial / Fiber Installation				
Distribution Line Installation				
Fiber Optic Build-out				
Splicing & Testing				
Splicing of Fibers				
OTDR Testing				
Certification of Project				
Certification by Licensed P.E.				
Project Close Out				

Supplies Arrived November 5th, 22



Working Conditions

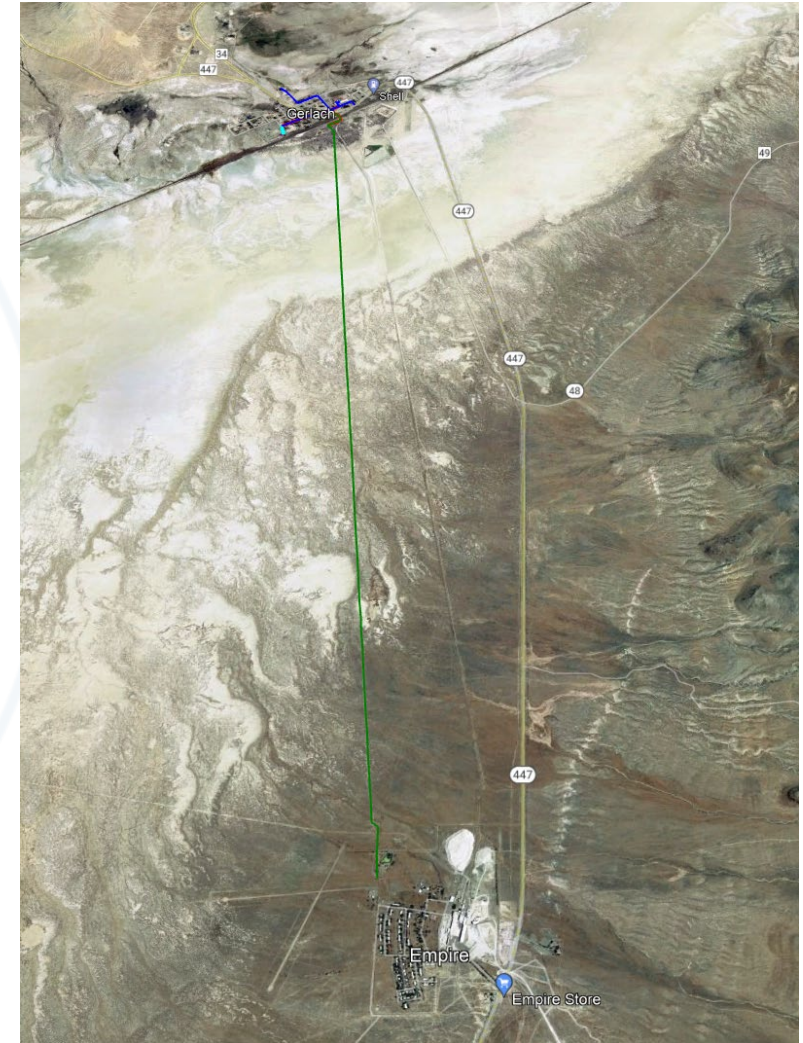
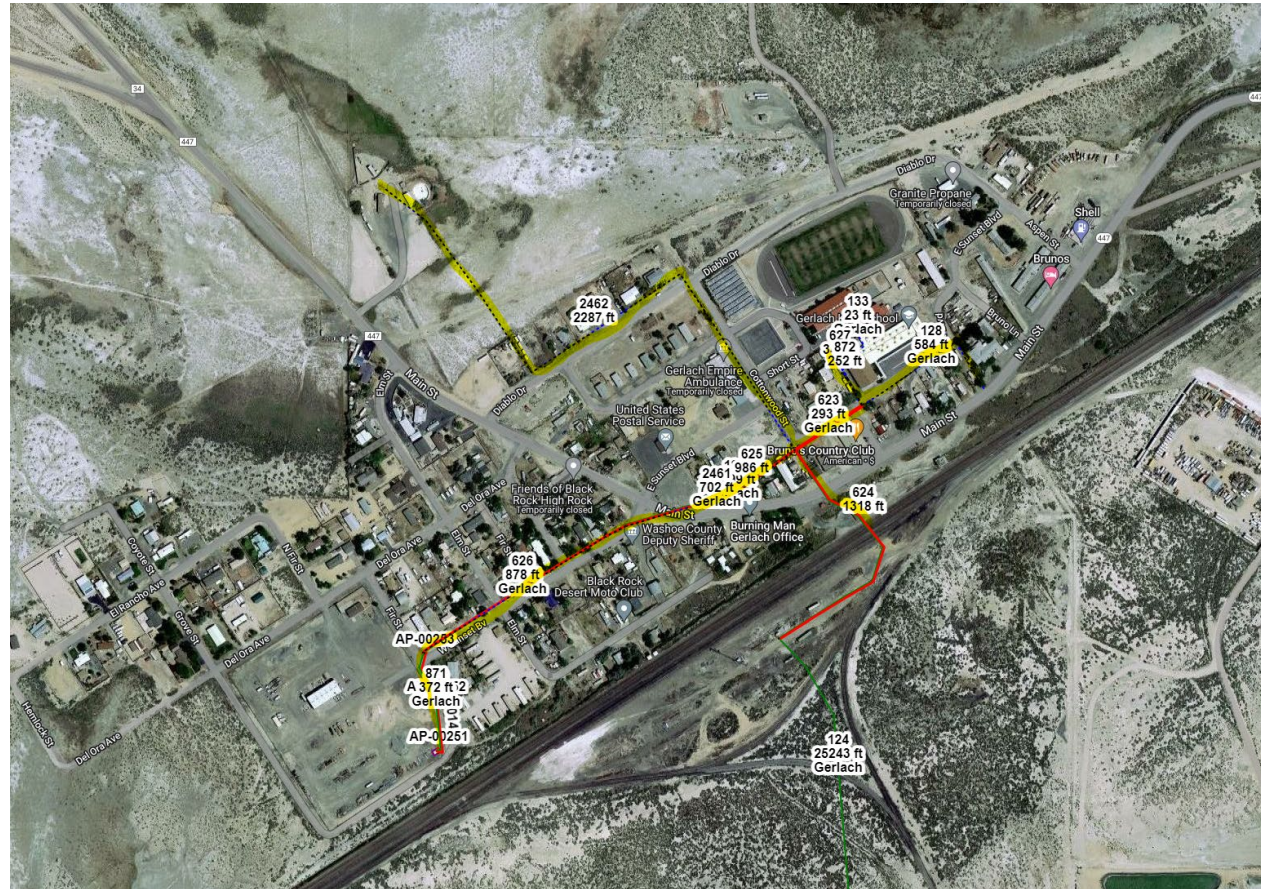


Phase I Completed



Ribbon Cutting Event: July 25, 2023

Phase II A-B



What's Next – Gerlach Homes



Phase II-A Objective:

Provide high speed Internet access to rest of County facilities and businesses in Gerlach.

Timeline: August – December 2023

Phase II-B Objective:

Provide reasonably priced high-speed Internet option to all homes in Gerlach.

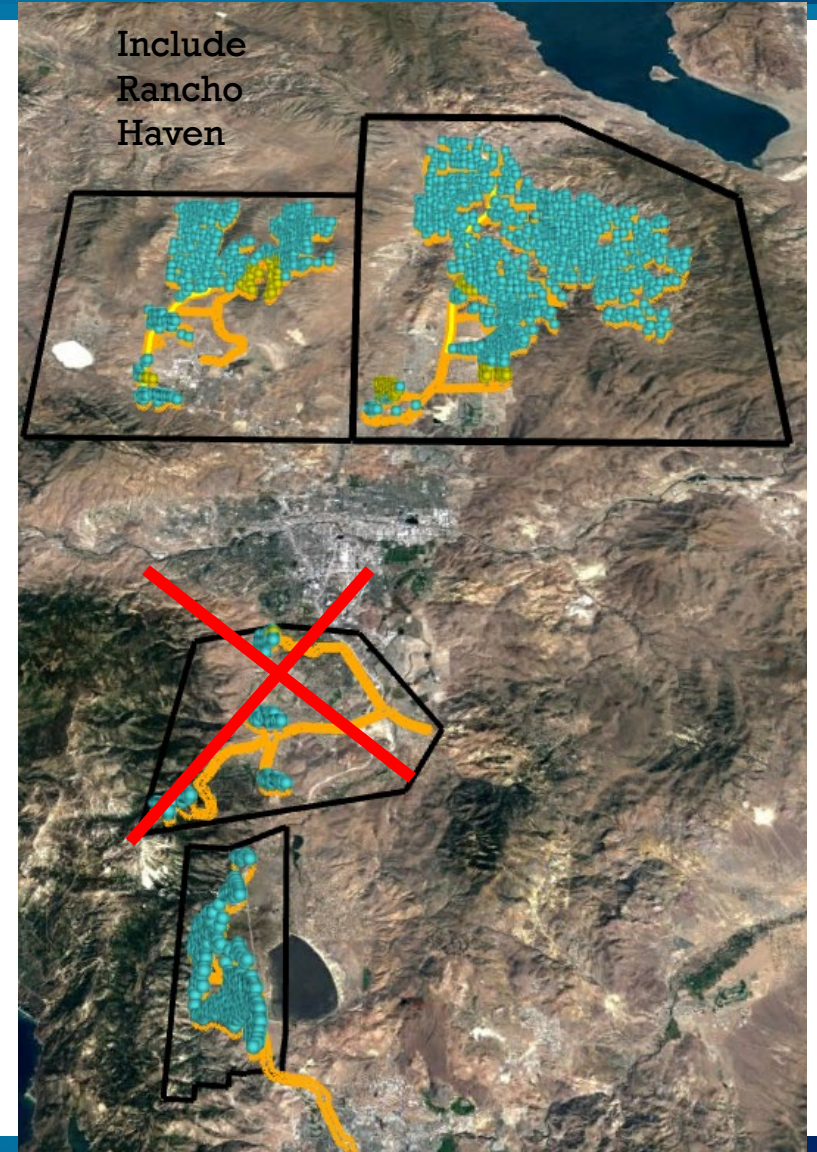
- Funding Source
- Gerlach Homes RFP
- Installation & Construction
- Desired Timeline: October – July 2024, 2023



Next Step



- North Valleys
 - North Red Rock
 - South Red Rock
- Warm Springs
 - Pyramid Hwy
 - North of Spanish Springs
 - Communities in Warm Springs
- Washoe Valley
 - West of Washoe Lake



Thank you

Questions?

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