

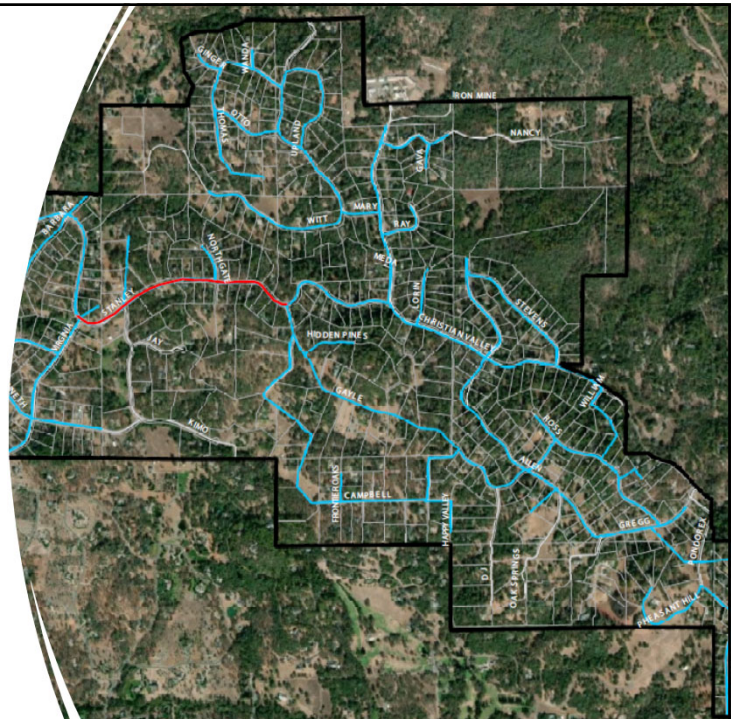
CHRISTIAN VALLEY PARK CSD

KENNETH LOOP PROJECT SUMMARY

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BACKGROUND

- The western portion of the District's system is supplied by a single 6-inch diameter pipeline
 - Problems along Stanley Drive pose risk of losing service to nearly 200 homes
 - Pipeline operates at nearly 200psi
 - Pipeline is in a County roadway
 - Sewer line and services run along the same road
- Pipeline had a catastrophic failure in July 2022



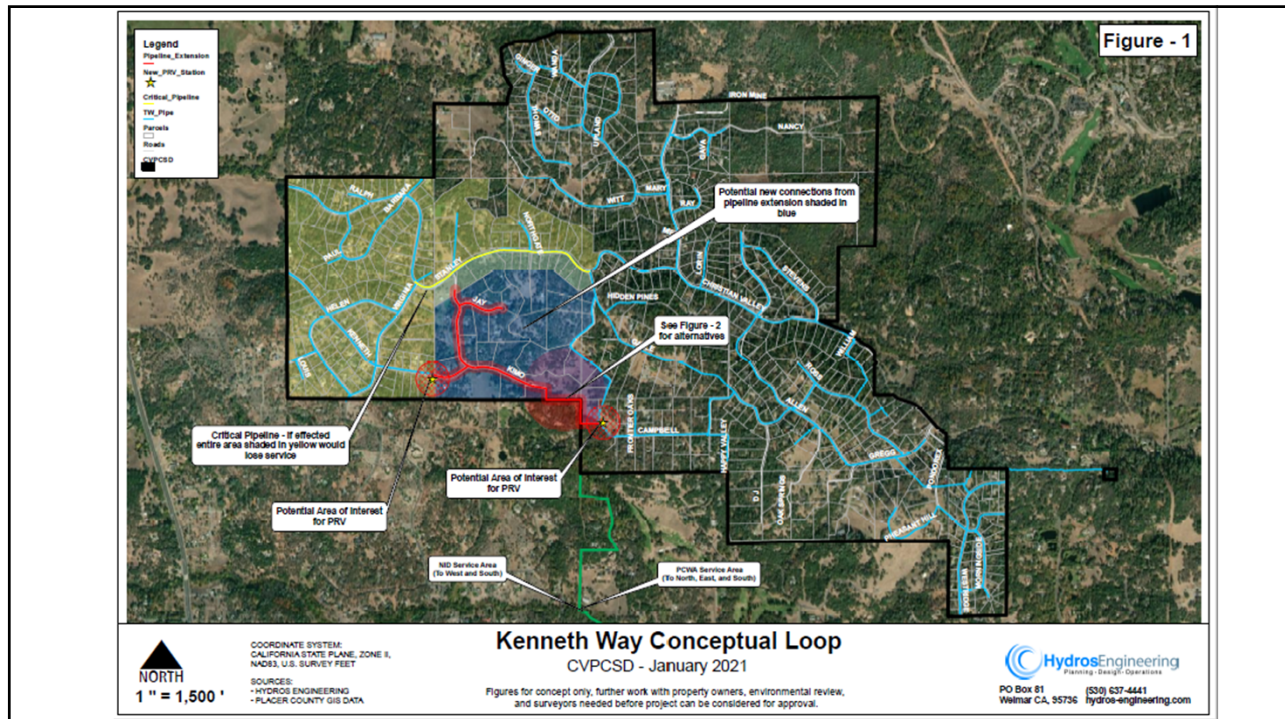
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Kenneth Loop Project



- The Kenneth Loop Pipeline Project has been identified in the Capital Improvement Plan (CIP) and discussed as a project over the years.
- Benefits Include:
 - Availability of treated water service to areas that are currently unserved,
 - Additional fire hydrants along the pipeline route,
 - Increased hydraulic capacity of the system for domestic and fire suppression within the District.
 - Increased operational flexibility of the existing distribution system by creating a loop/parallel paths for water to flow.

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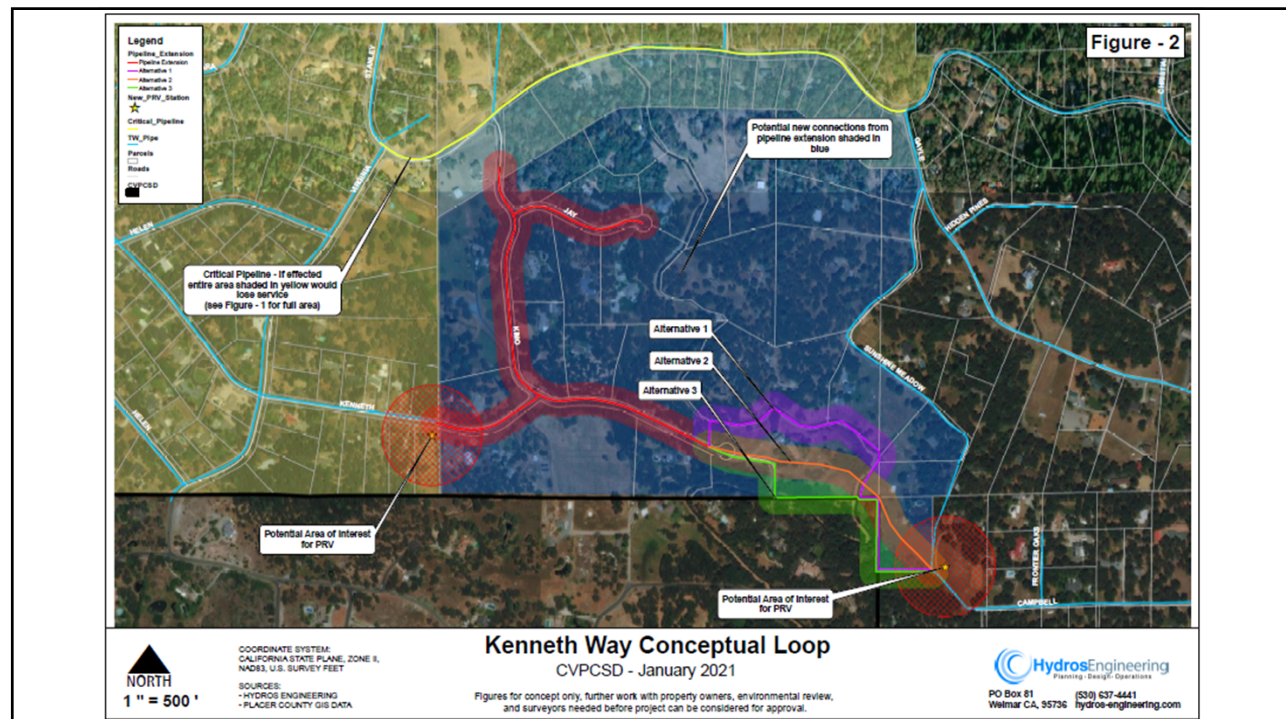


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PCWA – Financial Assistance Program

- PCWA awarded the District \$36,200 for an alignment study
- Scope of work included:
 - Public outreach
 - Research of existing easements
 - Field surveys
 - Environmental constraints analysis
 - Identification of preferred pipeline route

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Outreach



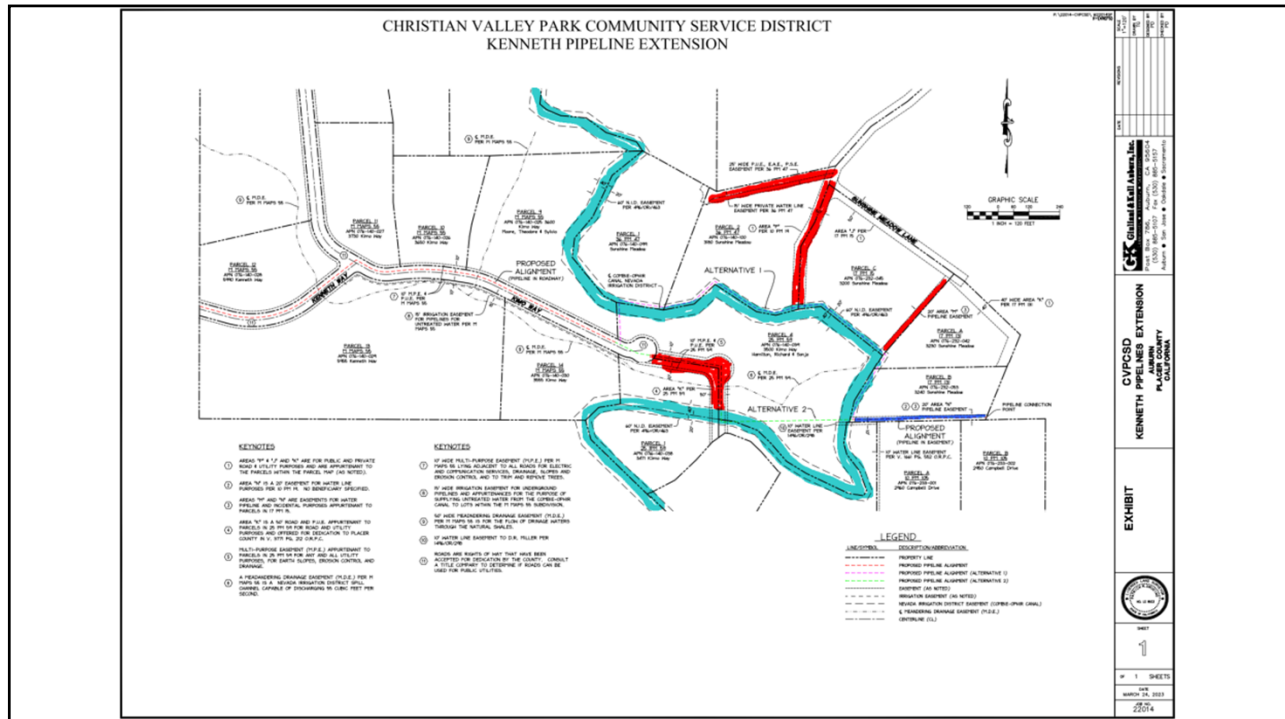
- Public outreach via letters to property owners in the area
 - 11 letters were sent
 - Just a few responses
 - None of the 'key' parcel owners responded
- Direct contact with some of the owners
- Onsite meetings with key parcel owners
- Concerns included:
 - How is project funded?
 - Don't want another assessment
 - Is this for a new development?
 - Potential damage to existing roadways?
 - Impact on property

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Easements

- Worked with land surveyor to investigate easements
 - Identified numerous easements in the area, most of which are not suitable/usable
 - Identified a key easement on parcel that could be used for public utilities, specifically water
 - NID easement along the Combie Ophir Canal – 60 to 70 feet wide
- Challenges with new easements
 - The parcels on the eastern end of the project have access to water via the Gayle Loop
 - Parcels in this area seem to have wells that have good yield and good water quality
 - Some push back that they are paying for the Gayle Loop, but don't need the water from the District

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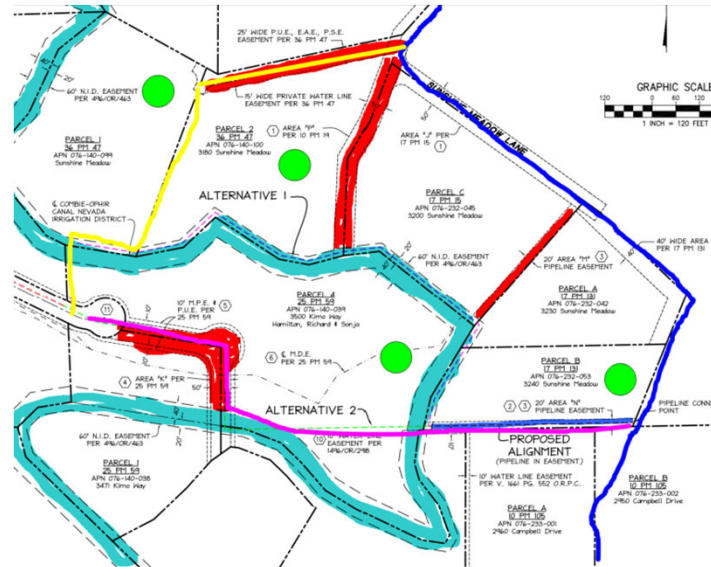
Key Parcels

- Four key parcels were identified
- One of which has an existing water line easement

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Preliminary Alignments

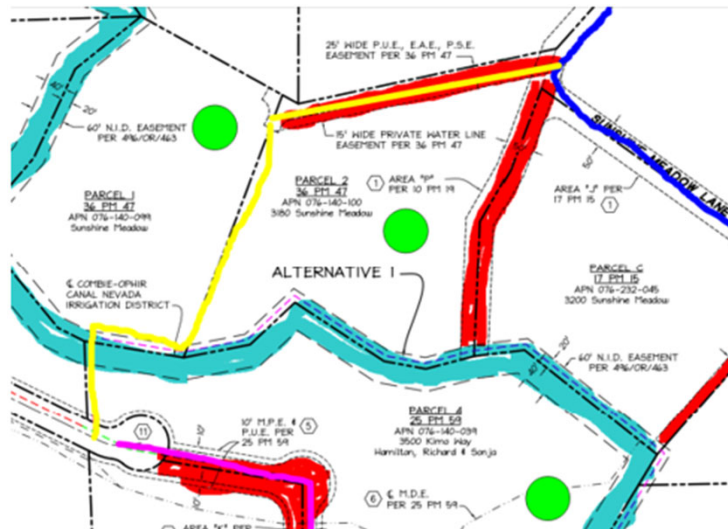
- Came down to two possible alignments
 - Northern Alignment (yellow)
 - Southern Alignment (pink)
- Discussed possibility of pipeline with both owners



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Northern Alignment

- Reached out to owner via phone
- Local contractor
- Recently split parcel
- Was agreeable initially to proposed pipe alternative
- Had a change of heart and decided against it
 - "Not Interested"



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Southern Alignment

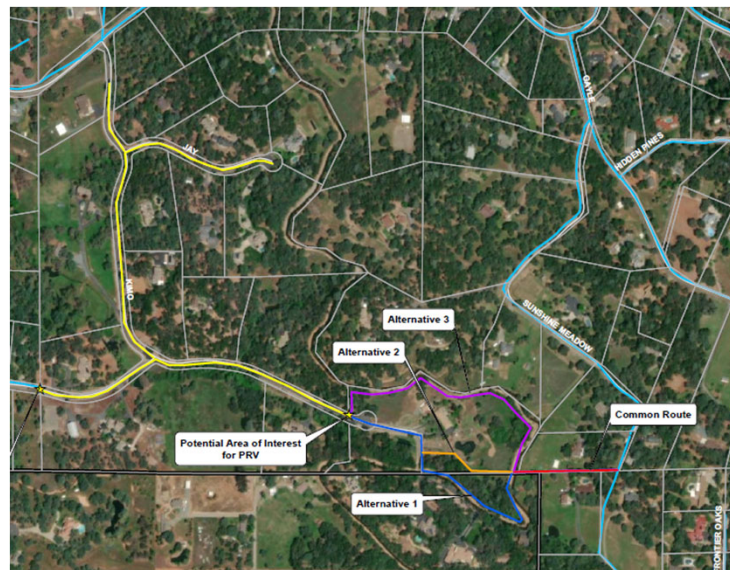
- Existing easement that can be utilized on the Eastern end
- Requires a new easement on larger Western parcel



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Southern Alignment

- Focused on the Southern Alignment
 - Utilize existing easement on eastern parcel (red)
 - Some 'conditions' from owner
 - Relocate water service
 - Fire hydrant
 - Gravel on his driveway
 - Three alternatives on western parcel



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Alternative Analysis

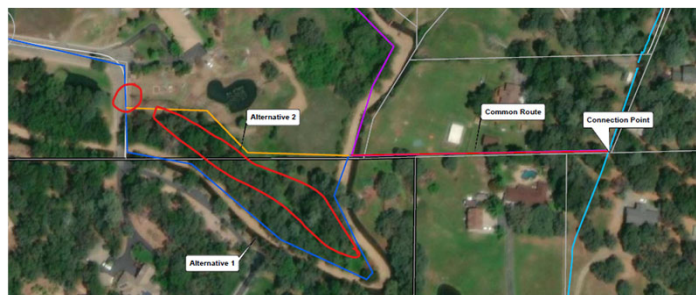
- Alternatives 1 & 2 feasible
- Alternative 3 would not work
 - NID easement and home constrict usable space
 - Pipe failure could damage home/landscaping
- Contact with owner
 - Owner has been very amenable
 - Has shown little interest in the alignments



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Environmental

- Field Survey with biologist and cultural/archaeologist
- There are some wetlands and drainage crossing
 - Will not require a permit
 - Design/construction methods to mitigate wetlands impact
- Some oak trees that will need to be removed
- No indication of cultural resources



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Next Steps

- Negotiate easements
 - Temp. construction easement on both Eastern and Western Parcels
 - Some conditions on eastern
 - Driveway rehab/relocate service and meter box/hydrant
 - Permanent easement on Eastern Parcel
 - Coordination with any Road Association (Kimo)
- Coordination with NID for access during construction and canal crossing requirements
- Environmental documents for CEQA
- Design
- Bid
- Construction

