

Lower Clover Valley Sewer Trunk Replacement

March 3, 2022



Lower Clover Valley Sewer Trunk Replacement

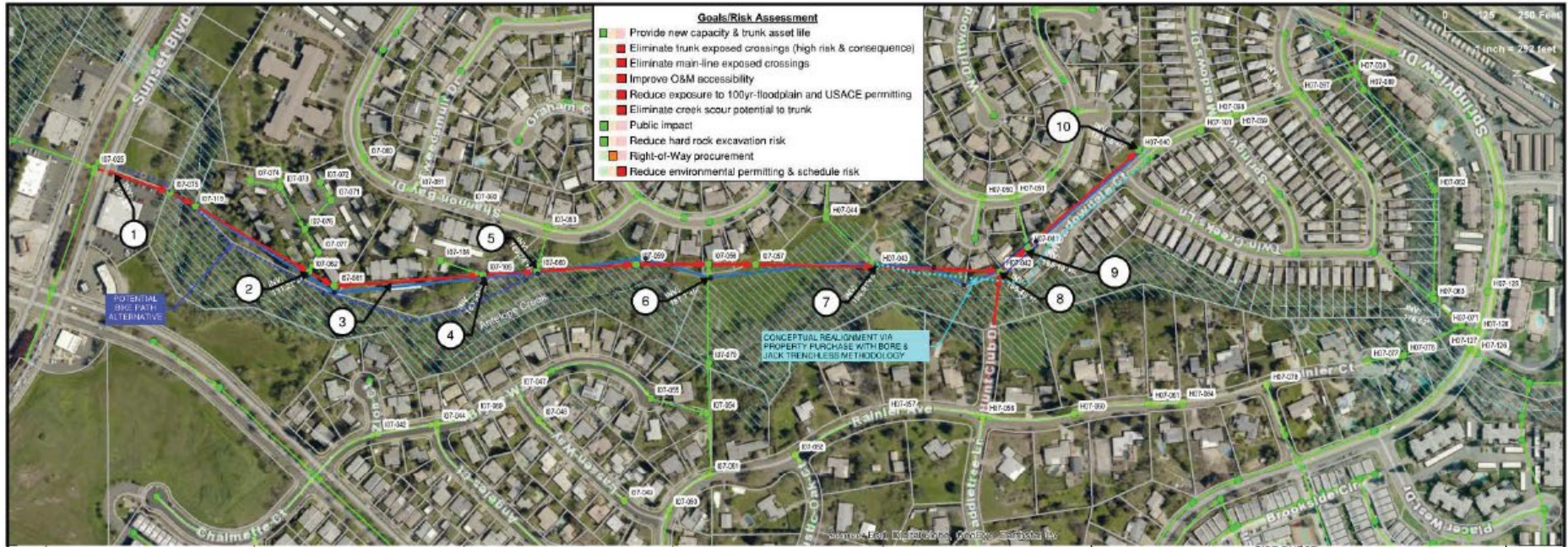
Background:

- 2015 and 2020 System Evaluation and Capacity Assurance Plan (SECAP) and the 2015 High Risk Facilities (HRF) Analysis identified project.
- Existing trunk runs adjacent to Antelope Creek from Sunset Boulevard to Springview Drive.
- Lower Clover Valley Trunk Sewer Replacement was identified in anticipation of future development and the higher risk of failure due to its proximity to the creek, the pipe material (ACP) and age of the pipe.
- Immediate replacement not required, but District elected to explore options for replacement in advance of triggering events.
- Water Works Engineers was selected in 2016 to provide and assess alternatives.
- Preliminary designs were presented to the board in 2019.
- Two alternatives were chosen for future consideration.



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Alternative 1 - Parallel Replacement/Replace-in-Place Creek

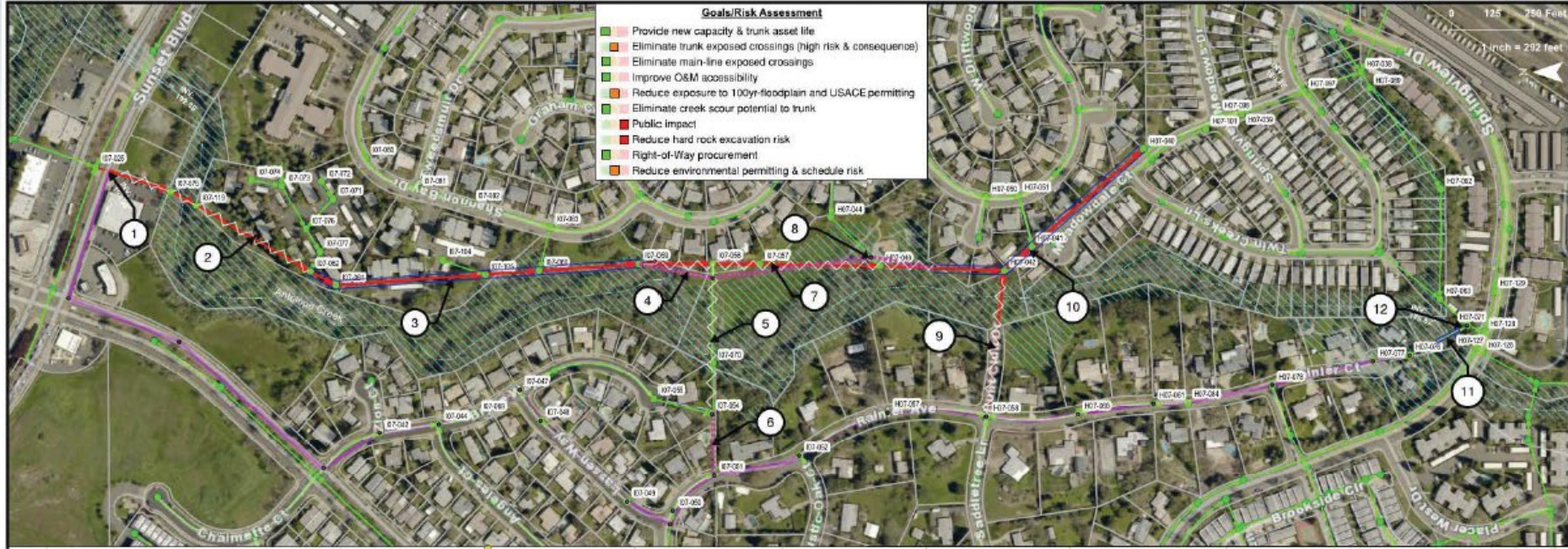


- ❖ Best match to existing alignment.
- ❖ Rebuild existing high-risk elevated creek crossings (trunk).
- ❖ Realign segments within fill slopes or too close to structures.



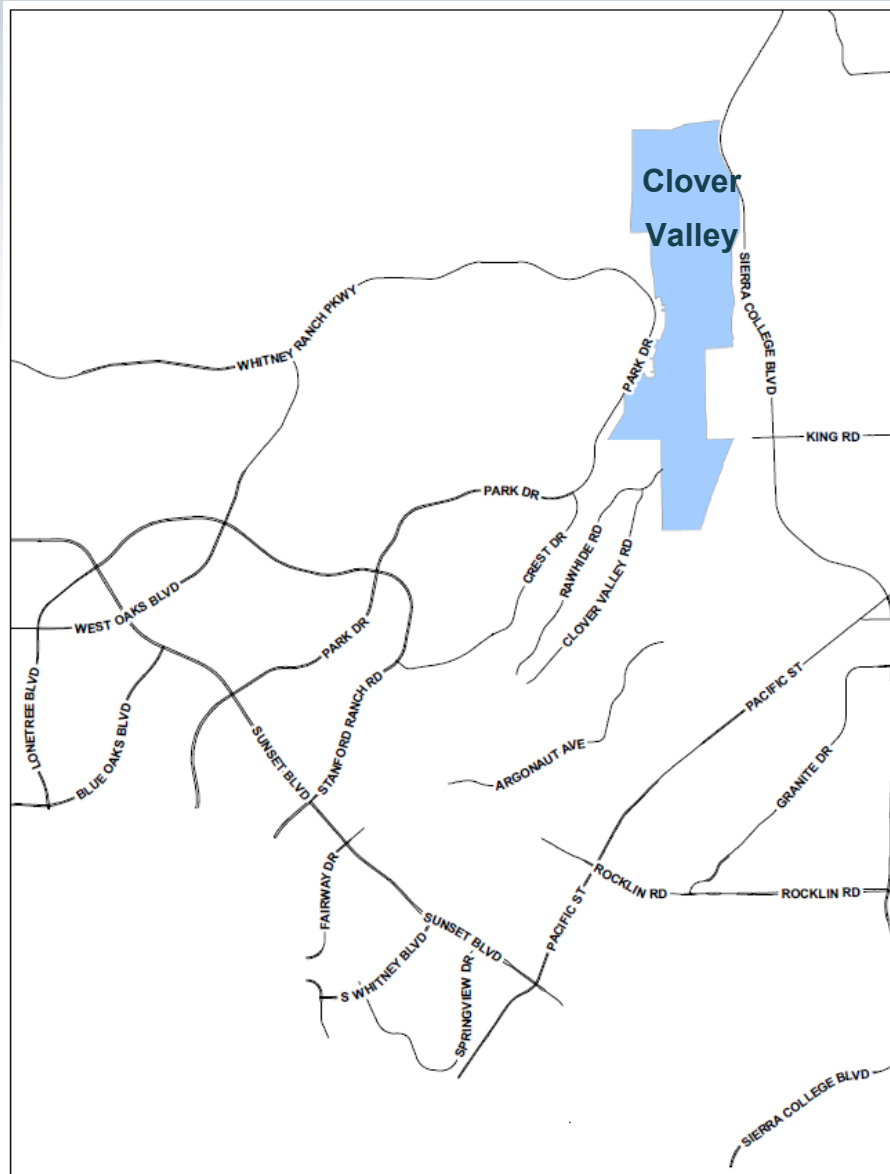
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Alternative 3 - Parallel Replacement Whitney/Rainier



- ❖ Eliminate two elevated creek crossings (mains).
- ❖ Realign in easy-to-access right-of-way (streets).

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Potential Clover Valley Development

Prior Approved Lots: 549 EDU

Current Proposed Lots: up to 200 EDU



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Requested Actions:

Accept the Lower Clover Valley Sewer Trunk Preliminary Design Report with its associated recommendations.

- ❖ Pipeline will remain in place until it exceeds its useful life and requires replacement.
- ❖ Upstream development may trigger replacement.
- ❖ There may be a handful of projects to remediate slope erosion or high-risk facilities such as creek crossings.

Questions?

