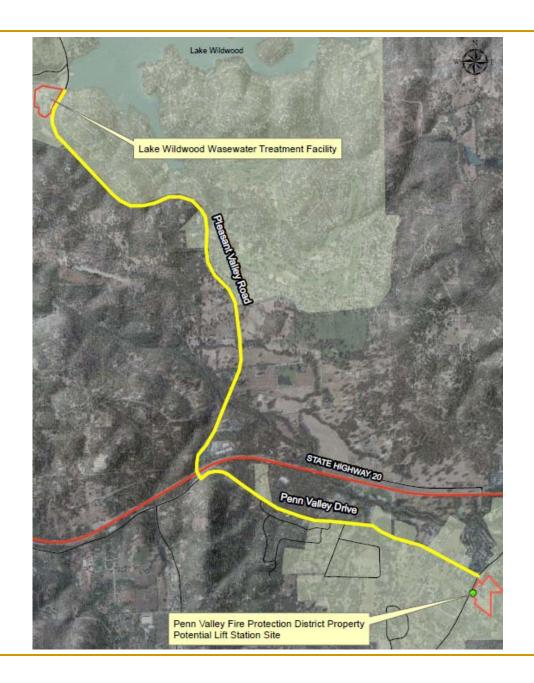
Penn Valley Pipeline Project Update and Rock Issues



Update – Completion expected 11/2017

- Most of pipeline has been installed
 - Remaining portion is under highway
- Lift Station in Penn Valley has been installed
 - Remaining work involves getting power
- Work in the plant is proceeding and will be completed in about a month
 - Pipeline in plant
 - Grit Removal System

Contract Change Orders (CCO's)

- Excepting rock issues, used about 3% of contingency
- Have not authorized any non-essential add/alternates
- Additional costs
 - Rock on Pleasant Valley Road by WWTP
 - Rock under Highway 20



Rock on Pleasant Valley Road by WWTP

- First notified of potential rock issue 7/12/17
- Assumed we'd get through rock as we had at all other locations
- Alternative pipeline routes were considered
- ✓ 4 weeks later, got through rock
- ✓ Final costs from contractor received 1 ½ weeks ago
- ✓ If this was only rock issue, we would of required a small amendment to contract of approx. \$24,000







Rock under Highway 20, bore and jack

- First notified of potential rock issue 2 weeks ago
- Evaluated rock issue, performed rock analysis, discussed potential solutions with sub-contractor
- Only solution is to use larger diameter bore and jack
- Limited by Caltrans requirements
- Received cost estimate for change last week
- Additional cost is substantial, up to ~\$1.2M for the rock work (\$200K within contingency amount)

Need to address ASAP

- Contractor cost is ~\$5,000/day without any work being performed (currently being incurred)
- ✓ If subcontractor demobilizes and has to come back due to no CCO being issued, additional cost = ~\$50,000
- Every day construction is delayed, inspection costs also increase due to more working days
 - Design firm, additional \$76,210
 - Inspection firm, additional \$50,000

Conclusion & Staff Recommendation

Recommendation

Budget Amendment

□ LWW: \$433,334 to cover rock encountered by the Grit Removal System

and pipeline at the WWTP

PV: \$530,324 to cover rock encountered as part of the pipeline

□ VOC: \$21,871 cover connections to this system that were made for

efficiency purposes prior to rock being discovered. We anticipated

\$996.781

making this change regardless of the rock issue.

- Contractor Contract Amendment, Koch & Koch = \$870,571
- Designer Contract Amendment, HydroScience = \$76,210

CM Contract Amendment, Coastland = \$50,000

Q&A

Were concerned about the Zone fund balances.

There are sufficient fund balances available. Revenue exceeds expenditures for all zones so funds should be able to be replenished over time. \$500,000 cash flow loan from LWW to PV is included in our evaluation.

Fee increases?

Were not anticipating increases at this time.

Why are LWW funds being used?

□ LWW WWTP upgrades were included in the bid documents. \$686,375 of LWW funds were encumbered when the construction contract was approved on 8/16/16. Rock was also encountered as part of those upgrades and requires an additional \$433,334.

