



**NEVADA COUNTY SANITATION DISTRICT NO. 1**  
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Sean Powers  
Deputy District Administrator

Trisha Tillotson  
Director of Public Works

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**NEVADA COUNTY SANITATION DISTRICT NO. 1 BOARD OF DIRECTORS**  
**Board Agenda Memo**

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**MEETING DATE:** September 12, 2017

**TO:** Board of Directors

**FROM:** Brad Torres, Wastewater Operations Manager

**SUBJECT:** Resolution Approving Amendment No. 1 to an Agreement with Koch and Koch, Inc. For the Penn Valley Dual Sewer Force Main Project – Contract No. 877140 in an amended amount not to exceed \$7,213,937

**RECOMMENDATION:** Approve the attached Resolution.

**FUNDING:** Funding for this amendment is for Fiscal Year 2017/18 and impacts the Sanitation District No. 1 Penn Valley Zone 6 budget, the Lake Wildwood Zone 1 budget, the Valley Oak Court Zone 12 budget, and the Penn Valley Capital Improvement Budget. The project is funded with grants from the Community Development Block Grant Program and the State Revolving Fund. Additional funding will come from fund balances from the Lake Wildwood Zone 1, Penn Valley Zone 6 and Valley Oak Court Zone 12 will be used for extra work encountered on zone specific locations and projects. There is no impact on the General Fund.

**BACKGROUND:** On August 16, 2016, the Board of Directors adopted Resolution No. SD16-013, which approved the Nevada County Sanitation District No. 1 (District) to award the Penn Valley Dual Force Main Project contract to Koch & Koch. This contract did include a 10% of the base bid contingency amount of \$492,481.

On August 16, 2016, the Board of Directors adopted Resolution No. SD16-013, which approved the Nevada County Sanitation District No. 1 (District) to award the Penn Valley Dual Force Main Project contract to Koch & Koch. This contract did include a 10% of the base bid contingency amount of \$492,481. Construction is currently on going but costs have exceeded or are anticipated to exceed authorized and budgeted amounts due to several reasons described below:

1. Early on in the project and in an effort to save costs for the Valley Oak Court Zone 12, connections from the new force main to Valley Oak Court were installed via change order. The cost of this

additional work was \$11,871 for construction and \$10,000 for engineering. There is sufficient fund balance available in Valley Oak Court Zone 12 for this work.

2. Aged storm drainage culverts were further damaged during recent rain events and required replacement in conjunction with the pipeline construction and in order to save costs and prevent time overruns, additional cost of \$11,252 to be funded by the Roads Maintenance budget.
3. A significant amount of rock inconsistent with the geotechnical findings for the project was discovered during work activities specific to either the Lake Wildwood or Penn Valley treatment zones; resulting in nine change orders totaling \$719,929 to date with an anticipated additional \$610,000 in rock break and removal activities that have yet to be performed or billed.
4. Because of the extra work described above and the impacts to the project schedule from the atmospheric rain events in January and February of this year, additional design, project oversight and inspection services have been required and additional construction costs have been incurred. As a result, consultants HydroScience Engineers Inc. and Coastland Civil Engineering have incurred additional costs of \$76,210 and \$50,000 respectively.

The total increased cost for this project, including projected conditions through the remainder of the project, is \$1,489,262. The approved construction contract contingency for the project is \$492,481 requiring an increase to the overall project budget of \$996,781.

In addition, Public Works staff is currently engaging the State Waterboard to see if any more funding available for the project. If acquired, this funding option will be brought to the board and used prior to any local funds.

**Item Initiated by:** Brad Torres, Wastewater Operations Manager

**Approved by:** Trisha Tillotson, Director of Public Works

**Submittal Date:** August 24, 2017

**Revision Date:**