

MEMORANDUM

DEPARTMENT OF PUBLIC WORKS

County of Placer

TO: BOARD OF SUPERVISORS

DATE: August 18, 2015

FROM: KEN GREHM / PETER KRAATZ

SUBJECT: LOWER CHIPMUNK AND OUTFALL WATER QUALITY IMPROVEMENT PROJECT - CONSTRUCTION CONTRACT NO. 000917 - CHANGE ORDER NO. 1

ACTION REQUESTED / RECOMMENDATION

Adopt a Resolution to approve contract Change Order No. 1 for Contract No. 000917 with Burdick Excavating Co., Inc., for relocating a conflicting water line on behalf of the North Tahoe Public Utility District for \$145,520, and authorize the Director of Public Works, or designee, to execute the Change Order and amend the contract for a total of \$1,685,190.

BACKGROUND / SUMMARY

The Lower Chipmunk and Outfall Water Quality Improvement Project is located in the unincorporated community of Kings Beach along the north shore of Lake Tahoe and is a subproject to the overall Kings Beach Water Quality Improvement Project. The Board awarded the Lower Chipmunk and Outfall Water Quality Improvement Project to Burdick Excavating Co., Inc., on July 7, 2015.

Burdick Excavating Co., Inc. began this important project with work along Brockway Vista Road. The project includes overall watershed drainage improvements, including clean storm water bypass pipe and storm water infrastructure to stabilize road shoulders and convey storm water to treatment devices that remove fine pollutants from reaching Lake Tahoe. During the first few days of work, a conflicting water supply line was discovered of which the North Tahoe Public Utility District (NTPUD) was unaware of the exact location. To accommodate the water quality improvements the water line requires relocation. The NTPUD will pay 100 percent of the cost associated with this change. The proposed water line relocation remains within the County right-of-way of Brockway Vista Road but outside of the proposed water quality improvements.

The Board of Supervisors approved a Cooperative Agreement between the County and NTPUD on July 8, 2014 and authorized the Director to execute amendments. The Cooperative Agreement will be amended in conjunction with the Change Order No. 1 to support the additional \$145,520 of work.

ENVIRONMENTAL

The County prepared a Mitigated Negative Declaration (MND) pursuant to the requirements of the California Environmental Quality Act (CEQA) and the Placer County Environmental Review Ordinance. The MND (EIAQ -3350) was approved by the Board of Supervisors on December 9, 2008.

FISCAL IMPACT

This change order has no effect on the County budget since NTPUD is paying for the Change Order required work. The project is funded by a State of California (Proposition 84) grant, and with Regional Surface Transportation Program Exchange Funds. The approval of this change order is a standalone increase to the contract with Burdick Excavating from \$1,539,670 to \$1,685,190 and the originally authorized construction contingency remains unused at \$107,777.

Attachment 1- Resolution

Attachment 2- Location Map

Attachment 3- Change Order

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**Before the Board of Supervisors
County of Placer, State of California**

In the matter of: A RESOLUTION APPROVING
CHANGE ORDER NO. 1 FOR CONTRACT
NO. 000917 WITH BURDICK EXCAVATING CO.,
INC., AUTHORIZING THE DIRECTOR OF PUBLIC
WORKS, OR DESIGNEE, TO EXECUTE THE
CHANGE ORDER, AND AMENDING THE
CONTRACT FOR AN INCREASE OF \$145,520

Resol. No. _____

The following Resolution was duly passed by the Board of Supervisors of the County of Placer
at a regular meeting held on _____ by the following vote on roll call:

Ayes:

Noes:

Absent:

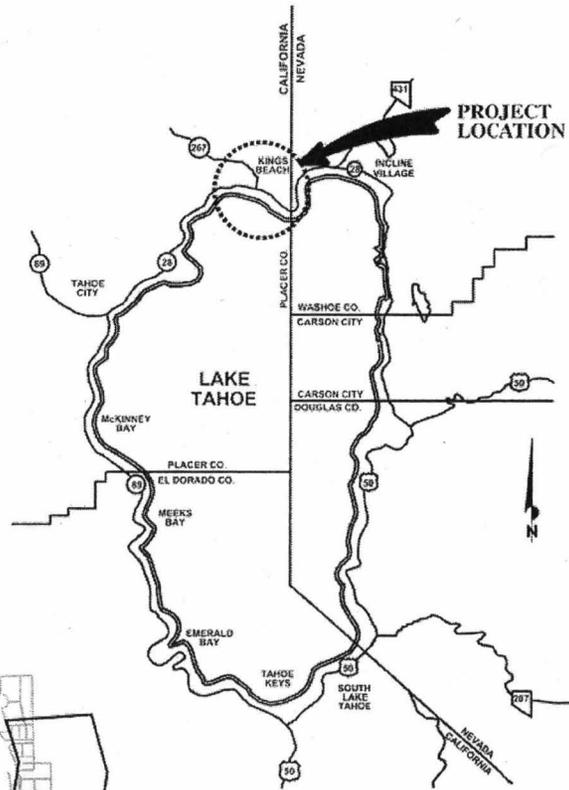
Signed and approved by me after its passage.

Chair, Board of Supervisors

Attest:
Clerk of said Board

BE IT RESOLVED AND ORDERED by the Board of Supervisors of the County of Placer, State of California, that this Board approves Change Order No. 1 for Contract No. 000917 with Burdick Excavating Co., Inc., for relocating a conflicting water line on behalf of the North Tahoe Public Utility District, authorizes the Director of Public Works, or designee, to approve and sign the change order, and amends Contract No. 000917 to support the actual work described in Change Order No. 1 by increasing the contract by \$145,520.

LOWER CHIPMUNK AND OUTFALL WATER QUALITY IMPROVEMENT PROJECT



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

LEGEND

- KINGS BEACH PROJECT AREA
- - - - - LOWER CHIPMUNK AND OUTFALL WATER QUALITY IMPROVEMENT PROJECT

LOWER CHIPMUNK AND OUTFALL WATER
QUALITY IMPROVEMENT PROJECT
VICINITY AND LOCATION MAP

CHANGE ORDER

(CEM-4900 Rev 2/2014)

Change Requested By: Engineer Contractor

CHANGE ORDER NO. 1 SUPPL. NO. _____ CONTRACT NO. 000917 CO-RTE-PM _____ FEDERAL NO. _____

TO CONTRACTOR: Burdick Excavating Co., Inc.

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the engineer.**

Description of work to be done, estimate of quantities, and prices to be paid. (Segregate between additional work at contract price, agreed price, and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used, and no allowance will be made for idle time. The last percentage shown is the net accumulated increase or decrease from the original quantity in the Bid Item List.

DESCRIPTION:

Based on the existing main conditions and locations the North Tahoe Public Utility District (NTPUD) is requesting a new 6" water main be constructed in Brockway Vista, connecting on the east and west ends of Brockway Vista, to the existing 6" water mains. In association with the water main work the NTPUD is requesting that a Fire Hydrant be installed off of the new 6" water main. The NTPUD is further requesting that all water services in the area of the water main replacement be replaced and reconnected to the existing services at the water meter (new service from main to water meter, same size as existing service). Finally as part of the work the existing water main and existing water services will be removed and disposed of (all costs included in the change order prices below, no extra work/costs/contract items will be paid for). The work shall be done in accordance with the Project Specifications (NTPUD standards in the construction documents) and shall be complete, tested and accepted by NTPUD and Placer County. NTPUD will provide the necessary bacteriological testing associated with the Water Main.

The new water main shall be installed on the south side of the roadway, southerly of the Sanitary Sewer Main located in Brockway Vista and provide a minimum of 6' of separation between the new water main and the existing sewer main and manholes. The new water main shall further not be installed under the proposed pervious concrete road shoulders. Should the separation not be attainable on the south side of the sanitary sewer, the water shall cross the sewer (1 foot of vertical separation) and be installed on the north side of the sanitary sewer in these areas. NTPUD will provide redlined drawings for the location of the water main, fire hydrants and services for use in the construction of the improvements associated with the Change Order. Further NTPUD will provide field direction on the exact location, should the Contractor have any questions or potential conflicts be discovered during the construction of these improvements.

The Change Order will have the following Cost Implications associated with it (additional contract items and additional contract costs)

Contract Change Order Items:

ITEM NO.	ITEM DESCRIPTION	CONTRACT CHANGE ORDER			
		UNIT	QUAN.	UNIT COST	AMOUNT
CCO #1a	6" DIA. PVC (C-900, 200 PSI) WATER MAIN (BROCKWAY VISTA)	LF	800	\$118.00	\$94,400.00
CCO #1b	REMOVE AND REPLACE WATER SERVICES (BROCKWAY VISTA)	EA	21	\$1,620.00	\$34,020.00
CCO #1c	POTHOLE EXISTING UTILITIES (BROCKWAY VISTA)	EA	32	\$320.00	\$10,240.00
CCO #1d	FIRE HYDRANT (BROCKWAY VISTA)	EA	1	\$6,860.00	\$6,860.00

Total Contract Change Order: \$145,520.00

Contract Amount:

Original Contract Amount: \$1,539,670.00
 Previous Change Order Amount: \$0.00
 This Change Order Total: \$145,520.00
New Contract Total: \$1,685,190.00

Schedule/Working Days:

The work associated with this Change Order will result in a schedule delay to the construction of the Project and the necessity for extra working days. As part of this Change Order a total of 20 extra working days will be added to the construction contract, for a new working day total of 75 Working Days.

Working Days

CONTRACT AMOUNT: 55 Days

PREVIOUS CHANGE ORDER AMOUNT: 0 Days
CHANGES PER THIS CHANGE ORDER: 20 Days
NEW WORKING DAY TOTAL: 75 Days

The water main conflict and extra work additionally puts an unforeseen burden on the Contractor's operations and operational schedule and the contractor has requested that work associated with the Lower Chipmunk portion of the Project be delayed until the Spring of 2016 (May and June 2016). The Contractor is requesting this delay in the work and the County will not pay for, and the Contractor will not be entitled to, additional funds associated with any additional costs associated with delaying the work until 2016, including, but not limited to, additional bonding and insurance costs (which shall be maintained until all work is completed and accepted in 2016), winterization and SWPPP requirements, re-mobilization (staging site shall be fully winterized and no material and/or equipment will be allowed to remain on the site over the winter), additional survey costs for any lost controlled points increased material costs (Price Index Fluctuations; see Section 9-1.07 of the Special Provisions), increased labor costs, Time-related Overhead (See Section 9-1.11 of the Special Provisions), or any other known, unknown or unforeseen additional cost as a result of this delay. Finally, No Partial/Progress Payment allowed for materials not incorporated in the work (See Section 9-1.16C of Special Provisions)

At a minimum the following work is required to be completed in the fall (after Labor day in accordance with the Contract Documents) of 2015 (all underground work):

- All work associated with the Brockway Vista Improvements (Sheets P-1 through P-4 and STR-1 [Brockway Vista only]) of the Project Plans; complete and accepted by the County
- All storm drainage work, including all outfall work and work below the high lake level, including but not limited to the following efforts:
 - Storm drainage pipe
 - Storm drainage inlets, manholes and junction boxes
 - Jellyfish treatment systems
 - Rock dissipaters/discharge pad and flared end sections
 - Removal and abandonment of stormwater pipe and structures
- All Water Main and Sanitary Sewer, including but not limited to the following efforts:
 - Sanitary sewer main, manholes, laterals and cleanouts
 - Water main, services, hydrants and meters
 - Removals and abandonments of sanitary sewer and water
- All work on the temporary and permanent easement area at the outfall, including but not limited to the following efforts:
 - Miscellaneous Earthwork
 - Revegetation
 - Rock revetment
 - Irrigation system
 - Planting
 - Sod salvage and replacement
- Temporary Patching of all disturbed asphalt concrete for a complete roadway for the winter of 2015/2016
- Temporary Traffic Striping and Signage
- Winterization of site and all temporary BMPs and SWPPP requirements as required by Placer County, TRPA and/or Lahontan, including all required SWPPP monitoring and reporting from October 15, 2015 through May 1, 2016

All other work associated with the Project (Roadway improvements/surface improvements in Placer County Right-of-Way) may be completed in the Spring of 2016. All work shall be completed in 25 Working Days starting on, or about, May 2, 2016. All work is required to be completed no later than June 30, 2016. Any time over the June 30, 2016 deadline will result in liquidated damages, as the County does not have legal rights to do work in Lower Chipmunk Street after July 30, 2016 and the County may be in jeopardy of not meeting the Proposition 84 Grant Funding requirements if work occurs after June 30, 2016.

All work delayed to 2016 construction season will be performed at the contract unit prices and no additional costs will be paid by Placer County for any reason. The Contractor takes full burden and responsibility for any potential cost increases for the delay in the work.

For this order, the time of completion will be adjusted as follows: Increase of 20 Working Days

- Brockway Vista/Lower Chipmunk Underground Construction Completion Date of October 15, 2015 unless a grading extension is received for the Project (all work to be completed this construction season)
- Lower Chipmunk Surface Improvement Completion Date of June 30, 5016

SUBMITTED BY:

	PRINT NAME AND TITLE Stephen H. Peck, PE, PMP, CPSWQ, QSD/QSP Resident Engineer Principal/Sr. Consulting Engineer for Cardno	DATE 7/22/2015
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APPROVAL RECOMMENDED BY

	PRINT NAME AND TITLE Dan LaPlante, PE Associate Civil Engineer Placer County Department of Public Works	DATE 7/22/2015
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APPROVAL RECOMMENDED BY

	PRINT NAME AND TITLE Brian Stewart, PE Senior Civil Engineer Placer County Department of Public Works	DATE 7/22/2015
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APPROVAL BY (NORTH TAHOE PUBLIC UTILITY DISTRICT)

	PRINT NAME AND TITLE William Stelter, PE Engineering and Operations Manager North Tahoe Public Utility District	DATE 7/22/2015
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APPROVAL BY (PLACER COUNTY)

	PRINT NAME AND TITLE Peter Kraatz, PE Assistant Director Placer County Department of Public Works	DATE
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We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full payment the prices shown above. **NOTE: If you do not sign this order, you are directed to proceed with the ordered work. You may file a Request for Information within the time specified.**

CONTRACTOR ACCEPTANCE BY

SIGNATURE	PRINT NAME AND TITLE	DATE
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