

APPROVED

Sept 07, 2023

BOARD OF RECREATION AND PARK COMMISSIONERS

BOARD REPORT

NO. 23-163

DATE September 07, 2023

C.D. 11

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: POTRERO CANYON PARK - LANDSCAPING (W.O. E1908635) PROJECT - CONTRACT NO. 3799 - APPROVAL OF CHANGE ORDERS - PARTIAL ACCEPTANCE, REMOVAL OF ALLOWANCE NO. 8, INCREASE OF CONSTRUCTION CONTINGENCY AND PARTIAL RELEASE OF RETENTION

B. Aguirre _____ M. Rudnick _____
B. Jones _____ for C. Santo Domingo DF
B. Jackson _____ N. Williams _____

9/6
General Manager

Approved X Disapproved _____ Withdrawn _____

If Approved: Board President [Signature] Board Secretary [Signature]

RECOMMENDATIONS

- 1. Approve the partial acceptance of work and approve the partial release of retention funds held in the amount of \$419,392.54 (or 80% of the total retention monies held to date of \$524,240.68) on 95% of the work as completed to date on the Potrero Canyon Park - Landscaping (W.O. E1908635) Project (Project) under Contract No. 3799 (Contract) with the Ford E.C., Inc. (Ford), as outlined in the Summary of this Report, subject to the satisfaction of conditions set forth in Article 48 of the General Conditions of the Contract;
2. Authorize the Department of Recreation and Parks' (RAP) Chief Accounting Employee to release \$419,392.54 (or 80% of the total retention monies held under Contract No. 3799) to Ford, five business days from the Board of Recreation and Parks Commissioners (Board) approval of this Report, subject to the satisfaction of conditions set forth in Article 48 of the General Conditions of the Contract;
3. Authorize the Board Secretary to furnish Ford with a letter of partial completion, subject to the satisfaction of conditions set forth in Article 48 of the General Conditions of the Contract;

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4. Approve the removal of Allowance No. 8 for Pacific Coast Highway Resurfacing in the amount of \$500,000 from the Contract, resulting in a reduction of the base contract award amount from Eight Million Eight Hundred Ninety-Two Thousand Three Hundred Ninety-Four (\$8,892,394) to Eight Million Three Hundred Ninety-Two Thousand Three Hundred Ninety-Four (\$8,392,394) as further described in this Report, and authorize an amendment to the Contract in connection thereto;
5. Approve an increase to the construction contract contingency amount for the Project from the current amount of Two Million, Eight Hundred Forty-Nine Thousand, Seven Hundred and Eight Dollars (\$2,849,708), or 32.04% of the original base contract award amount to Four Million, Four Hundred Fifty-Six Thousand, Six Hundred Eighty-Five Dollars (\$4,456,685) or 53.10% of the revised base contract award amount;
6. Authorize the City Engineer to issue the following two (2) change orders, each above \$100,000 and as more fully described in this Report in the amount of:
 - a. \$144,000 for fencing issues as described below.
 - b. \$173,000 for vegetation issues as described below.
7. Authorize the City Engineer to negotiate and approve future change orders up to the new construction contract contingency amount as noted and approved in this Board Report; and,
8. Authorize RAP's Chief Accounting Employee or Designee to make technical corrections as needed to fulfill the intent of this report.

SUMMARY

On May 20, 2021, the Board awarded Contract No. 3799 to Ford (Board Report No. 21-091), in the amount of \$8,892,394.00 for the Project (Contract), located at 15101 Pacific Coast Highway, Los Angeles, CA 90272.

This Project constructed a 46-acre passive park with a riparian zone containing wetland trees and plants that run down the center of the entire length of the park through a series of large retention basins. The park is now called the George Wolfberg Park at Potrero Canyon (Park). The current phase of construction of this Project consisted of installing all the irrigation, landscaping and park features within the Park. Future phases of this Project include a 5-year maintenance phase as required by the Habitat Monitoring and Mitigation Plan, a pedestrian lateral trail to Temescal Canyon Road, and a Pedestrian Overcrossing bridge over Pacific Coast Highway.

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The scope of work for this Project included:

1. Clearing and grubbing
2. Reconstruction of the Palisades Recreation Center parking lot, including paving, striping of parking stall, installation of Americans with Disabilities Act (ADA) compliant signage and paths, and planting of trees and shrubs in the center parking lot island.
3. Minor grading – cut and fill from existing stockpiles, including buttressing of over-steepened slopes at the mouth of the canyon nearest to Pacific Coast Highway
4. Installation of irrigation systems throughout the canyon
5. Installation of landscaping, including plants, decorative boulders and information signs
6. Construction of a new prefabricated restroom at the top of the canyon including construction of a concrete foundation pad, installation of restroom model, connection to utilities, and planting along the exterior walls.
7. Construction of perimeter fencing around the entire canyon
8. Construction of fencing around riparian zones and paths
9. Construction of a soil cement access road
10. Construction of scenic overlooks, including benches, trash cans, and decomposed granite (DG) paths to the overlooks
11. Construction of a pump station to recycle stormwater runoff into the riparian system.
12. Construction of approximately 700 linear feet of 6” PVC force main to supply water for the riparian zone.
13. Construction of approximately 700 linear feet of 12” to 24” storm drainpipes
14. Construction of a DG path connecting the entrance at Friends Street to park trails
15. Erosion control / Stormwater Pollution Prevention Plan implementation.

On July 7, 2022, the Board approved an increase in construction contract contingency amount for the Project to a total of \$2,849,708 or 32.04% of the original base contract amount (Board Report No. 22-185, Attachment 2).

Partial Acceptance and Retention Release:

Ford was issued a Notice to Proceed to begin construction on July 12, 2021. Currently, construction is 95% complete. On December 9, 2022, the Department of Public Works, Bureau of Contract Administration (BCA) issued a Statement of Partial Completion for the Park from the main entrance near Frontera Drive to the lowest Basin 9. A Certificate of Occupancy was also issued on December 9, 2022, for the new restroom located near the entrance of the Park. RAP took possession of the Park within the aforementioned limits on December 10, 2022. The remainder of the work consists of completing the installation of the pump station along Pacific Coast Highway. This work is not anticipated to impact the remaining portions of the Park.

Department of Public Works, Bureau of Engineering (BOE) recommends the Board issue a letter of partial completion and acceptance in accordance with the above description, and payment of \$419,392.54 (or 80% of the total retention monies held to date of \$524,240.68) to Ford, who exhibited utmost cooperation in constructing the Park in a satisfactory manner and providing additional change order work.

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Removal of Allowance No. 8 – Pacific Coast Highway Resurfacing

BOE requests that the Board approve the removal of Lump Sum Allowance No. 8 for Pacific Coast Highway Resurfacing in the amount of \$500,000 from the Contract. This resurfacing is a part of traffic control measures that allow for access along Pacific Coast Highway. This resurfacing will be included in a future project and is not necessary at this time. Removing this Allowance No. 8 allows these funds to be used to fund the anticipated change orders described in this Report. The Contract will be amended to reduce the original base Contract award from \$8,892,394 to \$8,392,394.

Executed Change Order Summary:

As of May 22, 2023, this Project has issued a total of ninety-five (95) change orders in the amount of \$2,729,987, or 30.7% of the original contract amount. Of the increased construction contract contingency amount that was approved per Board Report 22-185, \$119,721 remains. The following table summarizes the change orders issued to date by category and the attached Change Order Log (Attachment No. 2) provides a listing of all the change orders.

Change Order Expenditure Summary as of May 22, 2023			
Change Order Type	Number of Change Orders	Cumulative Costs	Percent (%) of Original Base Contract Amount
Unforeseen Conditions	53	\$1,448,656	16.3%
Errors & Omissions	20	\$900,197	10.1%
Change in Scope	22	\$381,134	4.3%
Total	95	\$2,729,987	30.7%
Contingency per B.R. No 22-185		\$2,849,708	
Remaining Contingency		\$119,721	

Anticipated Change Orders

An additional 30 Change Orders are anticipated in order to complete the Project. These anticipated change orders amount to \$1,606,977. The currently remaining contingency amount of \$119,721 is proposed to remain to address any future change orders not contemplated by the anticipated change orders set forth in this Report. Thus, BOE is requesting an increase in the construction contingency in the amount of \$1,606,977 as more fully described in the section below.

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The largest contributors to the additional 30 change orders are due to storm damage, delays, unforeseen conditions and the two change orders over \$100,000 described in the section below. In January through March 2023, significant and unprecedented storms resulted in a minor washout along the access road near the park Basin 6. Additional erosion protection measures were installed in between storms to prevent further damage, and the erosion required repair and installation of a new catch basin to prevent such erosion in the future. These repairs and erosion protection resulted in anticipated change orders totaling approximately \$170,000.

Delays and additional requirements associated with the Department of Water and Power installation of electrical services for the park pump station also incurred additional costs resulting in anticipated change orders totaling approximately \$145,000 for work including extra bollards around the power drop and demolition of existing pavement for a reconstructed staging area. The delays in obtaining power for irrigation control systems also resulted in the need for hand watering of plants to ensure the success of new planting.

Overall project delays also account for time extensions and overhead due the Contractor by Contract, resulting in anticipated change orders totaling approximately \$471,000.

Due to the large and complex nature of the Project, as well as the overlapping history of work done in the Park, several design errors were identified in the months prior to opening of the Park to the public. These include additional grading and soil cement to tie together the road with the project plans, and decomposed granite to provide a firm walking surface along paths. There were also design errors with portions of the irrigation layout, and in specifying updated equipment for the pump station. These errors resulted in anticipated change orders totaling approximately \$230,000.

Unforeseen conditions were also encountered as construction progressed. As the pump station along Pacific Coast Highway was excavated, concrete structures found below grade that needed to be removed. Additional utilities, such as storm drains and sewer cleanouts, were found during construction and required modifications to safely incorporate into the Park. As the perimeter fencing was installed, several encroachments by private property owners were also found and were required to be removed. These unforeseen conditions resulted in anticipated change orders totaling approximately \$272,000.

Change Orders Over \$100,000

The anticipated change orders include the following two change orders set forth below, each over \$100,000. Following RAP change order protocol requiring Board approval for any change order over \$100,000, BOE is seeking specific Board approval for these 2 change orders.

Firstly, the fencing subcontractor, Ferreira Construction Co., Inc., incurred additional costs through the Project. Delays in the project schedule resulted in fencing work extending beyond the original contract. This extended work falls under the new annual approved labor rates, resulting in an increase in costs. Additional efforts were also made by the subcontractor in order to install perimeter fence posts on steep slopes along the canyon, including hand digging for

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posts, and manual installation of concrete footings. Approval for one change order in the amount of \$144,000 to resolve all of the above fencing issues is being requested.

Secondly, CalMont General Engineering, Inc., the grading subcontractor responsible for vegetation removal, encountered significantly larger and more substantial vegetation growth in the canyon than was anticipated. Nearly 30 acres of park land had significant vegetation overgrowth as compared to the time of bid. Removal of these weeds at the beginning of construction was necessary in order to allow for irrigation installation and planting of native vegetation, and the increased efforts resulted in additional costs. Approval for one change order in the amount of \$173,000 to resolve all of the above vegetation issues is being requested.

Request for Contingency Increase

As noted previously, the Board previously approved an increase in the construction contingency amount to a total of \$2,849,708 (32.04% of the original base contract amount) (Board Report No. 22-185) to fund change orders. Of this amount, \$119,721 remains. In order to fund the 30 anticipated change orders described above, BOE requests an increase in the construction contingency in the amount of \$1,606,977 for a new total contingency of \$4,456,685. This amounts to 53.10% of the revised base contract amount, such base contract amount being lowered by the removal of Allowance No. 8 as discussed in the above section.

The following is a summary of the project contingency amount being requested:

Summary of Project Contingency				
Category	Base Construction Contract	Construction Contingency	Percent (%) of Base Contract Amount	Total Contract Ceiling (Base + Contingency)
Contingency per RAP Board Report 21-091	\$8,892,394	\$889,239	9.99%	\$9,781,633
Contingency per RAP Board Report 22-185	\$8,892,394	\$2,849,708	32.04%	\$11,742,102
This Board Report	\$8,392,394*	\$4,456,685	53.10%	\$12,849,079

*see Recommendation No. 4 for revised Base Construction Contract

The construction of the Project was funded solely by the Potrero Canyon Trust Fund and funds were made available through account 100/54/00G998 and 50F/50/50RMAB.

Sufficient funds to cover all current and anticipated change orders are currently available from the following funds and account:

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<u>FUNDING SOURCE</u>	<u>FUND/DEPT./ACCT. NO.</u>	<u>AVAILABLE AMOUNT</u>
<i>Potrero Canyon Trust Fund</i>	<i>100/54/00G998</i>	<i>\$ 3,987,488.94</i>
<i>Removal of Allowance No. 8 for PCH Resurfacing</i>		<i>\$ 500,000.00*</i>

* Pending approval of Recommendation No. 4 described in this Board Report

Staff consulted with the Office of Contract Compliance (OCC) of the BCA concerning the status of the labor compliance requirements on the Project. OCC reported that Ford is in compliance.

ENVIRONMENTAL IMPACT STATEMENT

The Project was previously evaluated for environmental impacts in accordance with the California Environmental Quality Act (CEQA). A final Environmental Impact Report (EIR) (State Clearinghouse No. 84091901) for the Project was previously adopted by the Board on June 28, 1985. An Addendum to the previously certified EIR was prepared on November 19, 2020, by the BOE pursuant to Section 15164 of the CEQA Guidelines. The Addendum determined that there have been no changes to the Project, nor to the circumstances under which the Project is being undertaken, nor has new information arisen that would result in new significant environmental effects or would increase the severity of previously identified significant effects.

The proposed Board's action consists of a redistribution of the existing funding for the Project, does not increase the total expected Project cost and does not include any change in the Project's activities. Based on these considerations, staff found that the proposed action does not cause a direct or reasonably indirect physical change in the environment which has not been previously evaluated; therefore, it does not constitute a "project" pursuant to Section 21065 of the California Public Resources Code and is not subject to the California Environmental Quality Act (CEQA).

TREE AND SHADE STATEMENT

This Project removed various mature trees in areas of the Park that were not graded during the previous grading phase of the Project. During the clearing and grubbing phase, a BOE landscape architect visited these areas to determine which trees may remain based on the restrictions imposed by the Los Angeles Fire Department and the California Coastal Commission. Trees within the Park must be native and drought tolerant, and also approved to be within the fuel modification zones of the park.

The proposed landscaping palate has been discussed at the various community meetings, and consists of native, drought tolerant landscaping, and trees and shrubs that are indigenous to the various microclimates located along the Park.

A total of five hundred and thirty (530) trees have been planted as a part of the Project, which includes one hundred and fourteen (114) Juglans Californica (California Walnut), forty-seven (47) Populus Fremontii spp. Fremontii (Western Cottonwood), fifty-four (54) Salix Gooddingii (Black Willow), fifty-nine (59) Salix Laevigata (Red Willow), forty-six (46) Plantanus Racemosa

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(Western Sycamore), one hundred and seventy-six (176) Quercus Agrifolia (Coast Live Oak), twenty-two (22) Heteromeles Arbutifolia (Toyon), and twelve (12) Pinus Torreyana (Torrey Pines). The new trees have been dispersed among four ecologic zones, within the park area and the parking lot of the Palisades Recreation Center.

At the time of construction completion, the new trees provide approximately 2,098 square feet of canopy coverage. At five (5) years after construction completion, it is anticipated that those trees will provide approximately 114,260 square feet of canopy coverage.

FISCAL IMPACT STATEMENT

The Project is funded by the aforementioned funding sources. RAP's future maintenance and operations costs will be requested through the City budget process.

STRATEGIC PLAN INITIATIVES AND GOALS

Approval of this Board report advances RAP's Strategic Plan by supporting:

Goal No. 1: Provide Safe Accessible parks.
Outcome No. 1: Every Angeleno has walkable access to a park in their neighborhood.
Key Metric: Percentage of Angelenos with park access within a ½ mile of their home
Target: 60% by 2022

This Report was prepared by Kristen Ly, Civil Engineering Associate III, BOE Geotechnical Engineering Division, and reviewed by Steven Fierce, Division Head, Architectural Division, BOE; and Darryl Ford, Superintendent, Planning, Maintenance, and Construction Branch.

LIST OF ATTACHMENTS/EXHIBITS

Attachment 1 – RAP Board Report 22-185
Attachment 2 – Change Order Log

APPROVED

July 07 2022

BOARD OF RECREATION AND PARK COMMISSIONERS

BOARD REPORT

NO. 22-185

DATE July 07, 2022

C.D. 11

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: POTRERO CANYON PARK - LANDSCAPING (W.O. E1908635) PROJECT
– APPROVAL OF CHANGE ORDER - AUTHORITY TO INCREASE
CONSTRUCTION CONTRACT CONTINGENCY AMOUNT AND TO
NEGOTIATE ADDITIONAL CHANGE ORDERS FOR CONTRACT 3799
WITH FORD E.C., INC.

AP Diaz	_____	M. Rudnick	_____
H. Fujita	_____	<i>FEC</i> C. Santo Domingo	<i>DF</i> _____
J. Kim	_____	N. Williams	_____



 General Manager

Approved X Disapproved _____ Withdrawn _____

RECOMMENDATIONS

1. Authorize the City Engineer to negotiate and issue Change Order No. 34 in the amount of \$194,698, which will result in a cumulative total dollar amount for change orders of \$873,645, or 9.82% of the original contract award amount;
2. Approve an increase to the construction contract contingency amount for the Potrero Canyon Park – Landscaping (W.O. E1908635) Project (Project) from the current amount of Eight Hundred Eighty-Nine Thousand, Two Hundred and Thirty-Nine Dollars (\$889,239), or 9.99% of the original contract award amount, to a not to exceed amount of Two Million, Eight Hundred Forty-Nine Thousand, Seven Hundred and Eight Dollars (\$2,849,708), or 32.04% of the original contract award amount; and,
3. Authorize the City Engineer to negotiate and approve future change orders up to the new construction contract contingency amount as noted and approved in this Board Report.

SUMMARY

The Potrero Canyon Park – Landscaping Project (Project) scope entails constructing a 46-acre passive park within a riparian zone, containing wetland trees and plants along the central spine of the entire park through a series of large retention basins. The Project is located at 15101 Pacific Coast Highway, Los Angeles, CA 90272. The current Project construction scope consists of installing landscaping, irrigation, and park features within the canyon.

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On May 20, 2021, the Board of Recreation and Parks Commissioners (Board) approved Board Report No. 21-091, which awarded Contract No. 3799 to Ford E.C., Inc. in the amount of \$8,892,394.00 for the construction of the Project and authorized a construction contract contingency amount of \$889,239.

Construction of the overall Project is approximately 50% complete. In late May 2022, the Palisades Recreation Center parking lot was completed and opened to the public. All perimeter fencing has been completed, except for the pedestrian gates. Approximately 80% of the irrigation system and 50% of the landscaping has been installed with the completed portions undergoing inspection.

Executed Change Order Summary

As of March 25, 2022, twenty-six (26) change orders have been executed in the amount \$678,947, or 7.64% of the original contract award amount. Of the original \$889,239 construction contract contingency amount that was approved previously, \$210,292 remains. The following table summarizes the change orders issued to date by category and the attached Change Order Log (Attachment No. 1) provides a listing of all the change orders.

Change Order Expenditure Summary as of March 25, 2022			
Change Order Type	Number of Change	Cumulative Costs	Percent (%) of Base Contract Amount
Unforeseen Conditions	15	\$277,311	3.12%
Errors & Omissions	5	\$209,492	2.36%
Change in Scope	6	\$192,144	2.16%
Total	26	\$678,947	7.64%
Contingency Per B.R. No 21-091		\$889,239	
Remaining Contingency		\$210,292	

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Change Order No. 34, over \$100,000

In December 2021, a series of heavy rainstorm events resulted in erosion damage to the Project site. The damage was relatively minor throughout most of the canyon, however, some areas of the lower portion of the canyon suffered significant damage when rainfall exceeded the capacity of the protective erosion control measures placed on-site. Areas suffering significant damage include Basin 9 and the Project access road leading to Pacific Coast Highway (Attachment No. 2).

The largest area of storm damage within the Project limits occurred when the earth berm between Basin 8 and Basin 9 collapsed due to an overflow of stormwater runoff. Basin 9 needs to be repaired by removing debris and mud to uncover storm drain outlets and to restore stormwater flow through the basin, replacing utility and irrigation lines that were destroyed within the collapsed berm area, and re-constructing the portion of the berm between Basins 8 and 9. This repair work is proposed as Change Order No. 34 under the construction contract. The total amount estimated to complete this repair work under Change Order No. 34 is \$194,698. Since this change order is over \$100,000, Board approval is requested for this change order.

Construction Contract Contingency Increase

In addition to the repair associated with Change Order No. 34, other site damage suffered during the previously mentioned storm event resulted in the need to initiate additional change orders to address the repairs needed to continue construction. This Board Report seeks approval to increase the construction contract contingency amount to address the pending emergency change orders needed to continue construction and to address unknown change orders for the remainder of the contract work.

One of the main entrances for construction vehicles to the Project site is through an access road from Pacific Coast Highway. This access road allows for large construction vehicles to access the Project site, while circumventing the residential streets.

Storm runoff created large erosion channels up to approximately 3-ft in depth; a landslide that deposited a large amount of mud, vegetation, and debris onto the access road and beyond the Project limits; damage to recently installed irrigation infrastructure; and the oversaturation of soils.

In order to continue construction, the contractor must remove the displaced soil from adjacent properties and use geotextile fabric systems to restore the eroded roadway sections and unstable slopes. Roadway repair beyond the Project limits is necessary to maintain access to the site (Attachment No. 2). The total amount estimates to address the various change orders to complete this repair work is approximately \$460,000. Long term solutions to the access road, if required, are beyond the scope of this phase of the Project.

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The Bureau of Engineering (BOE) has assessed all of the above-mentioned areas of significant storm damage and has negotiated the costs of the repairs with the contractor. In total, the December 2021 storms resulted in change orders of approximately \$660,000, which includes Change Order 34.

The requested increase the construction contract contingency amount is also needed to address pending change orders that are being negotiated and future change orders and delay claims that may be submitted by the contractor. There are currently thirty-two (32) pending change order requests, totaling approximately \$1,300,000, under review and negotiation. The major reasons for the change order requests include abatement of contamination discovered at the pump station, pump station relocation, diversion, modification and replacement of terrace drains, access road grade discrepancies, additional fencing, landscape materials procurement, additional demolition due to encroachment, and time impacts incurred due to the storm damage and the pump station relocation. The contractor has also notified the City that they may submit a claim, due to the rejection of thirty (30) change orders totaling approximately \$800,000, which will be addressed in future Board reports, if necessary.

Because the cumulative dollar amount of pending change orders for this Project has surpassed what remains of the previously approved construction contract contingency amount (\$210,292 remains), the BOE is unable to issue additional change orders for items unless the contingency amount is increased.

This Report request Board's approval to increase the previously approved construction contract contingency amount for the Project of \$889,239 by \$1,960,469, for a total not-to-exceed amount of \$2,849,708, or 32.04% of the original contract amount. The increased contingency will allow the BOE to address change orders caused by the December 2021 storm events, and additional change orders that are needed for the successful completion of the Project.

The BOE will continue to follow standard Department of Recreation and Parks (RAP) change order protocol and will obtain Board approval for change orders over \$100,000 and for change orders beyond 25% of the original contract amount.

The increase in the construction contract contingency amount being requested in this Board Report will exceed the remaining funds within the Potrero Canyon Trust Fund and will require a transfer of additional funding into the trust fund through the 1st Construction Progress Report of FY 22/23. Additional funding has been identified from previously unappropriated revenue and interest from property sales from lots around the Potrero Canyon Park and will be allocated for construction expenditures under this Project construction contract.

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The following is a summary of the proposed Project contingency allocation:

Summary of Project Contingency				
	Base Construction Contract	Construction Contingency	Percent (%) of Base Contract Amount	Total Contract Ceiling (Base +Contingency)
RAP Board Report No. 21-091	\$8,892,394	\$889,239	9.99%	\$9,781,633
This Board Report	\$8,892,394	\$2,849,708	32.04%	\$11,742,102

To date, twenty-six (26) change orders have been executed in the amount of \$678,947, or 7.64% of the original contract award amount. One (1) pending change order (Change Order No. 34) is being requested for Board approval under this Report in the amount of \$194,698. The following table summarizes the change orders executed to date, pending change orders, and increased contingency amount for future change orders.

Summary of Funding Request			
Category	Total No. of Change Orders	Dollar (\$) Amount	Percent (%) of Contract Amount
Executed Change Orders to Date	26	\$678,947	7.64%
Pending Change Orders (including C.O No. 34) due to December 2021 Storms	11	\$660,000	7.42%
Remaining and Additional Contingency for Future Change Orders	N/A	\$1,510,761	16.98%
Total	37	\$2,849,708	32.04%

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FUNDING AVAILABILITY

Sufficient funds to cover all current and anticipated change orders are currently available from the following funds and account:

<u>FUNDING SOURCE</u>	<u>FUND/DEPT./ACCT. NO.</u>	<u>AMOUNT</u>
Potrero Canyon Trust Fund	100/54/00G998	\$2,380,708.00*
Reversal of BOE Labor Reimbursement		\$469,000.00**

- * Pending transfer of funds from the Potrero Canyon Loan to the Potrero Canyon Trust fund through the 1st Construction Progress Report of FY 22/23
- ** Pending funds transfer from CTIEP Funds through the 4th Construction Progress Report. BOE labor costs will be reimbursed if sufficient funds remain at the end of construction.

ENVIRONMENTAL IMPACT STATEMENT

The Project was previously evaluated for environmental impacts in accordance with the California Environmental Quality Act (CEQA). A final Environmental Impact Report (EIR) (State Clearinghouse No. 84091901) for the Project was previously adopted by the Board on June 28, 1985. An Addendum to the previously certified EIR was prepared on November 19, 2020, by the BOE pursuant to Section 15164 of the CEQA Guidelines. The Addendum determined that there have been no changes to the Project, nor to the circumstances under which the Project is being undertaken, nor has new information arisen that would result in new significant environmental effects or would increase the severity of previously identified significant effects.

TREE AND SHADE

This Project will remove various mature trees in areas of the canyon that were not graded during the previous Grading project. During the clearing and grubbing phase, a BOE landscape architect will visit these areas to determine which trees may remain based on the restrictions imposed by the Los Angeles Fire Department and the California Coastal Commission. Trees within the canyon must be native and drought tolerant, and approved to be within the fuel modification zones of the park.

The proposed landscaping palette has been discussed at the various community meetings and will consist of native, drought tolerant landscaping, and trees and shrubs that are indigenous to the various microclimates located along Potrero Canyon.

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A total of five hundred and thirty (530) trees will be planted as a part of the Project, which will include one hundred and fourteen (114) *Juglans Californica* (California Walnut), forty-seven (47) *Populus Fremontii*. *Fremontii* (Western Cottonwood), fifty-four (54) *Salix Gooddingii* (Black Willow), fifty-nine (59) *Salix Laevigata* (Red Willow), forty-six (46) *Plantanus Racemosa* (Western Sycamore), one hundred and seventy-six (176) *Quercus Agrifolia* (Coast Live Oak), twenty-two (22) *Heteromeles Arbutifolia* (Toyon), and twelve (12) *Pinus Torreyana* (Torrey Pines). The new trees will be dispersed among four ecologic zones, at park area and the parking lot of the Palisades Recreation Center.

At the time of construction completion, the new trees would provide approximately 2,098 square feet of canopy coverage. At five (5) years after construction completion, it is anticipated that those trees will provide approximately 114,260 square feet of canopy coverage.

FISCAL IMPACT STATEMENT

The Project will be funded by the aforementioned funding sources. There is no immediate fiscal impact to RAP's General Fund. The Department's future maintenance and operations costs will be requested through the City's budget process.

STRATEGIC PLAN INITIATIVES AND GOALS

Approval of this Board report advances RAP's Strategic Plan by supporting:

Goal No. 1: Provide Safe Accessible parks.
Outcome No. 1: Every Angeleno has walkable access to a park in their neighborhood
Key Metric: Percentage of Angelenos with park access within a ½ mile of their home
Target: 60% by 2022

This Board report was prepared by Kristen Ly, Civil Engineering Associate III, BOE Geotechnical Engineering Division, and reviewed by Ohaji Abdallah, Interim Prop K Program Manager, Architectural Division, BOE; Steven Fierce, Division Manager, Architectural Division, BOE; Jose Fuentes, Deputy City Engineer, BOE; Sean Phan, Planning, Maintenance, and Construction Branch; and Darryl Ford, Superintendent, Planning, Maintenance, and Construction Branch.

LIST OF ATTACHMENTS

Attachment No. 1 – Change Order Log, dated May 31, 2022

Attachment No. 2 – Photos of December 2021 Storm Damage

City of Los Angeles - Department of Public Works - Bureau of Engineering
Potrero Canyon Park - Landscaping
W.O. No. E1908635
CHANGE ORDER LOG

CO No.	COR No.	Subject	Payment Type	CO Cat.	COIN Date	COIN Est. (\$)	PCO ECO T&M Date	Not to Exceed (\$)	GC Proposal (\$)	GC Proposal Date	City Estimate (\$)	Agreed Amount (\$)	Agreed Date	CO Status	CO Date	Time Ext. Cal. Days	Comments
001	006-R0	Additional Backflow and Water Connections	LS	E	07/26/21	\$10,000.00	07/26/21		\$56,185.00	09/09/21	\$37,432.26	\$51,345.00	12/07/21	EXEC	12/08/21	0	PC 004
002	002-R0	Remove and Dispose of Unforeseen Retaining Wall @ Landslide Repair Area	TM	U	07/26/21	\$5,000.00	08/05/21	\$5,000.00	\$15,917.00	08/18/21	\$15,761.00	\$15,761.00	08/26/21	EXEC	09/02/21	0	
003	011-R2	Repair of 1 ½" Water Line Near Access Road Sta. 18+00	LS	U	08/16/21	\$5,000.00	08/23/21	\$2,500.00	\$11,353.00	01/28/22	\$5,558.00	\$5,558.00	02/10/22	EXEC	02/14/22	0	RFI 0019
004	028-R1	Change Perforated Pipe to Solid Pipe @ Landslide Area	TM	U	08/24/21	\$5,000.00	08/30/21	\$15,000.00	\$21,300.00	01/24/22	\$15,793.74	\$19,618.00	02/19/22	EXEC	02/23/22	0	RFI 0026
005	015-R0	Stock Fencing Materials	LS	S	09/01/21	\$10,000.00	09/17/21		\$3,991.00	11/16/21	\$3,601.00	\$3,991.00	01/21/22	EXEC	01/26/22	0	
006	007-R1	Terrace Drain Change per PC 7	LS	S	09/17/21	\$75,000.00	09/17/21		\$69,716.39	09/10/21	\$30,687.00	\$56,612.00	10/14/21	EXEC	10/19/21	0	
007	None Specified	(VOID) Relocation of Fencing at 441 Alma Real & 15211 Friends St	CAN	S										CAN			
008	009-R0	Exeloo Add Ons Options	LS	S	09/29/21	\$25,000.00	09/30/21		\$54,528.00	09/27/21	\$20,672.00	\$42,600.00	11/04/21	EXEC	11/10/21	0	
009	004-R0	Additional Tree Removals	LS	E	10/13/21	\$100,000.00	10/14/21		\$105,609.00	09/02/21	\$83,915.51	\$83,900.00	10/28/21	EXEC	11/03/21	0	
010	012-R0	Bench and Trash Bin Pad	LS	S	10/13/21	\$5,000.00	10/14/21		\$15,371.00	10/26/21	\$14,905.00	\$14,905.00	01/24/22	EXEC	01/27/22	0	
011	013-R0	Reimbursement for Furnished Plants (09/2021 - 10/2021)	LS	S	11/04/21	\$50,000.00	11/04/21		\$54,730.00	11/05/21	\$49,164.39	\$49,164.00	11/16/21	EXEC	11/29/21	0	
012	017-R0	Irrigation Crossings Over Terrace & Down Drains	LS	E	11/29/21	\$75,000.00	12/01/21		\$61,285.00	11/16/21	\$65,476.29	\$60,734.00	01/12/22	EXEC	01/13/22	0	
013	044-R0	Installation of PRV & Repair of 1-1/2 in. Water Line Near Access Road Sta. 18+00	TM	U	12/07/21	\$5,000.00	02/03/22	\$5,000.00	\$2,830.00	02/03/22	\$2,808.73	\$2,809.00	03/16/22	EXEC	03/22/22	0	
014	032-R0	Reimbursement for Furnished Plants (10/2021 - 11/2021)	LS	S	12/09/21	\$25,000.00	12/09/21		\$19,979.00	01/18/22	\$19,979.34	\$19,979.00	01/21/22	EXEC	01/26/22	0	
015	021-R1	Installation of PRV at POC 1 & POC 2	LS	U	12/13/21	\$25,000.00	12/14/21		\$12,516.00	12/27/21	\$10,980.13	\$12,516.00	01/05/22	EXEC	01/06/22	0	
016	018-R0	Friends Street Sidewalk	LS	S	12/13/21	\$50,000.00	12/14/21		\$48,269.00	11/24/21	\$40,257.00	\$50,041.00	01/26/22	EXEC	02/01/22	0	
017	040-R0	Base for Restroom Walkway	LS	E	12/20/21	\$5,000.00	12/20/21		\$7,378.00	01/28/22	\$7,875.00	\$7,875.00	02/07/22	EXEC	02/14/22	0	
018	None Specified	(VOID) Trenching and Backfill for RAP Waterline	CAN	U	12/23/21	\$5,000.00								CAN			
019	037-R0	Reimbursement for Furnished Plants - December 2021	LS	S	01/05/22	\$5,000.00	01/07/22		\$1,443.00	01/24/22	\$1,362.00	\$1,443.00	01/26/22	EXEC	02/01/22	0	
020	036-R0	Stockpile Access Road - Washout	TM	U	01/10/22	\$10,000.00	01/11/22	\$50,000.00	\$36,908.00	01/20/22	\$39,035.23	\$39,035.00	03/14/22	EXEC	03/15/22	0	
021	050-R1	Rain Delays for December 2021 through January 2022	LS	U	01/10/22	\$0.00	02/02/22		\$0.00	02/14/22	\$0.00	\$0.00	02/19/22	EXEC	02/23/22	9	
022	030-R0	Modification to Rebar @ Friends Street per RFI #72	LS	E	01/18/22	\$10,000.00	01/19/22		\$5,921.00	12/16/21	\$5,638.00	\$5,638.00	01/31/22	EXEC	02/01/22	0	
023	043-R0	Partnering Meeting #2 - December 17, 2021 (Supplemental to AO 7-002)	LS	U	01/21/22	\$5,000.00	01/24/22		\$1,448.00	02/03/22	\$1,448.00	\$1,448.00	02/19/22	EXEC	02/23/22	0	
024	035-R0	Rutting Repair Along Stockpile Access Road	LS	U	02/02/22	\$25,000.00	03/02/22		\$17,384.00	01/19/22	\$37,814.77	\$16,201.00	03/08/22	EXEC	03/10/22	0	
025	063-R0 034-R0	Rutting Repair Along Park Access Road per RFI No 112-R1	LS	U	02/02/22	\$50,000.00	03/02/22		\$48,341.00 \$0.00	03/14/22 01/19/22	\$42,654.00	\$46,964.00	03/14/22	EXEC	03/15/22	0	

026	033-R0	(VOID) Buttress Fill at Basin 0 per PC No. 13	CAN	S					\$697,792.00	01/19/22				CAN		
027	None Specified	Recreation Center Repairs	TM	U	03/07/22	\$50,000.00	03/17/22	\$50,000.00						UNR		
028	041-R0	Access Road Repair - Overly Saturated Soil	LS	U	03/03/22	\$25,000.00	03/03/22		\$23,002.00	01/28/22	\$27,258.97	\$27,259.00	03/14/22	EXEC	03/15/22	0
029	046-R0	Encroachment Removals at 401 Alma Real	LS	U	03/03/22	\$50,000.00	03/03/22		\$35,459.00	02/03/22	\$23,576.58	\$23,577.00	03/14/22	EXEC	03/15/22	0
030	047-R0	South of Basin 9 Grading and Compaction Issues	LS	U	03/03/22	\$25,000.00	03/03/22		\$19,974.00	02/03/22	\$21,673.46	\$19,974.00	03/14/22	EXEC	03/15/22	0
031	059-R0	Partnering Meeting #3 (02/23/22)	LS	U	03/10/22	\$10,000.00	03/11/22		\$5,000.00	03/04/22				UNR		
032	060-R0	AC Pavement Repair at Rec Center	LS	U	03/16/22	\$50,000.00	03/17/22		\$25,306.00	03/04/22				UNR		
033	061-R0 031-R1	Remobilization & Additional Relocations (Ferreira)	LS	U	03/10/22	\$50,000.00	03/11/22		\$2,748.00 \$5,275.00	03/04/22 01/21/22				UNR		
034	052-R0	Berm Repair - Basin 8/9	LS	U	03/14/22	\$200,000.00	03/14/22		\$0.00	02/16/22				UNR		
035	None Specified	Reimbursement for Furnished Plants & Plant Maintenance - Oak Trees and Jan-Feb Maintenance Fees	LS	S	03/14/22	\$10,000.00	03/14/22							UNR		
036	062-R0	Relocation of Project Spoils to Stockpile Area	LS	U	03/14/22	\$50,000.00	03/14/22		\$20,393.00	03/14/22				UNR		
037	053-R1	Basin Slope Repair - Basin 9 West Side Washout	LS	U	03/24/22	\$75,000.00	03/24/22		\$68,816.00	03/16/22				UNR		
038	020-R0	Post at Terrace Drains (West Side)		U					\$0.00	12/03/21				UNR		

Original Contract Original Contingency Revised Contingency	\$8,892,394.00 \$889,239.00 --	Time Extension Approved Comp. CD's Approved Non Comp. CD's	9 CD's 0 9	Payment Type: LS: Lump Sum TM: Time & Material CAN: Canceled	CO Category: U: Unforeseen E: Errors & Omissions S: Change in Scope	15 5 6	\$277,311.00 \$209,492.00 \$192,144.00
Executed COs & UCOs CO Percentage Revised Contract Remaining Contingency	\$678,947.00 7.64% \$9,571,341.00 \$210,292.00			CO Status: EXEC: Executed NEG: Negotiated UNR: Unresolved CAN: Canceled	Executed COs Executed UCOs Forecasted COs Canceled COs	26 0 8 3	\$678,947.00 \$0.00 \$187,538.00 --



Figure 1: George Wolfberg at Potrero Canyon Park aerial view

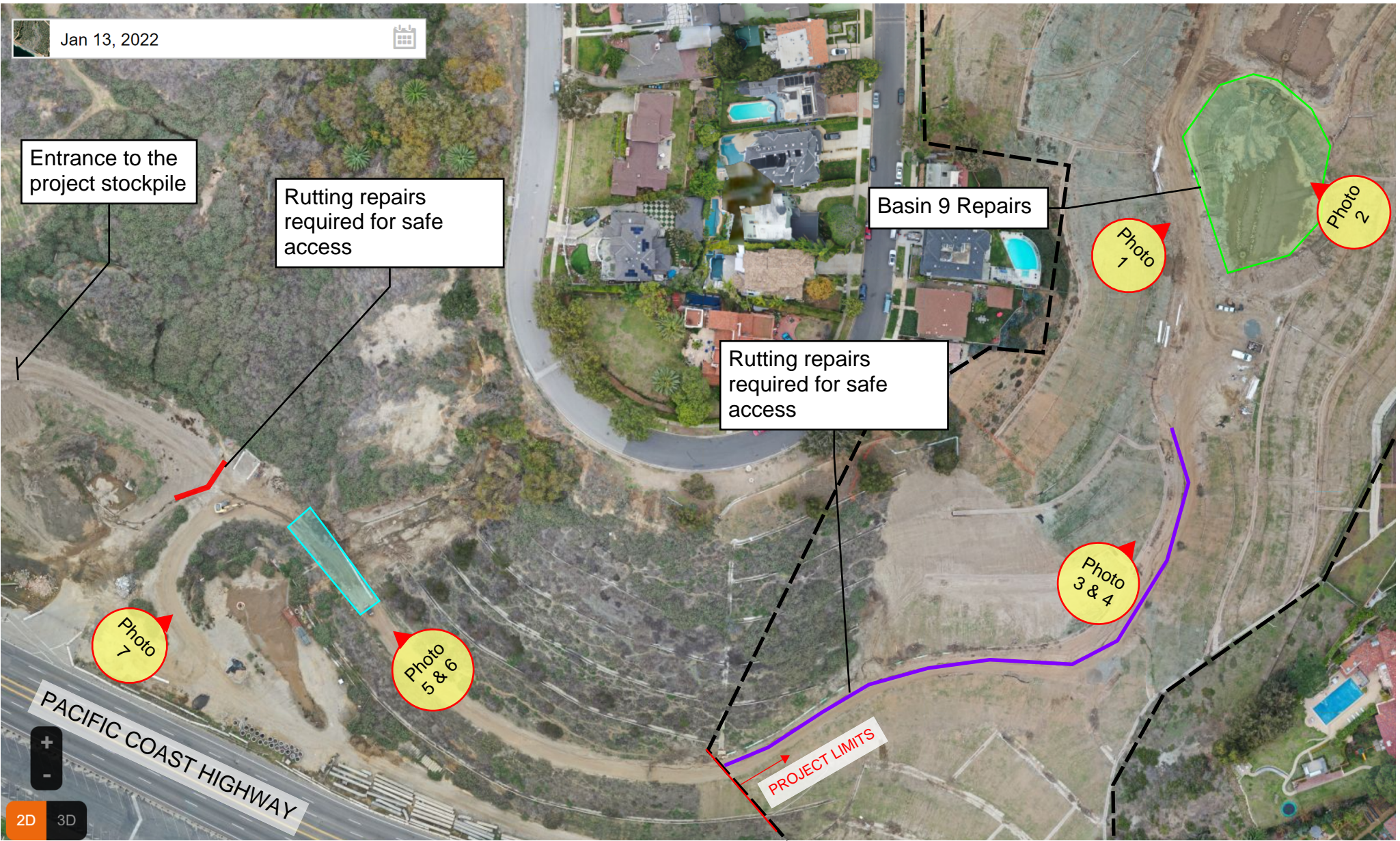


Figure 2: Main areas of significant damage sustained from the December 2021 storms located in the lower portion of the park.

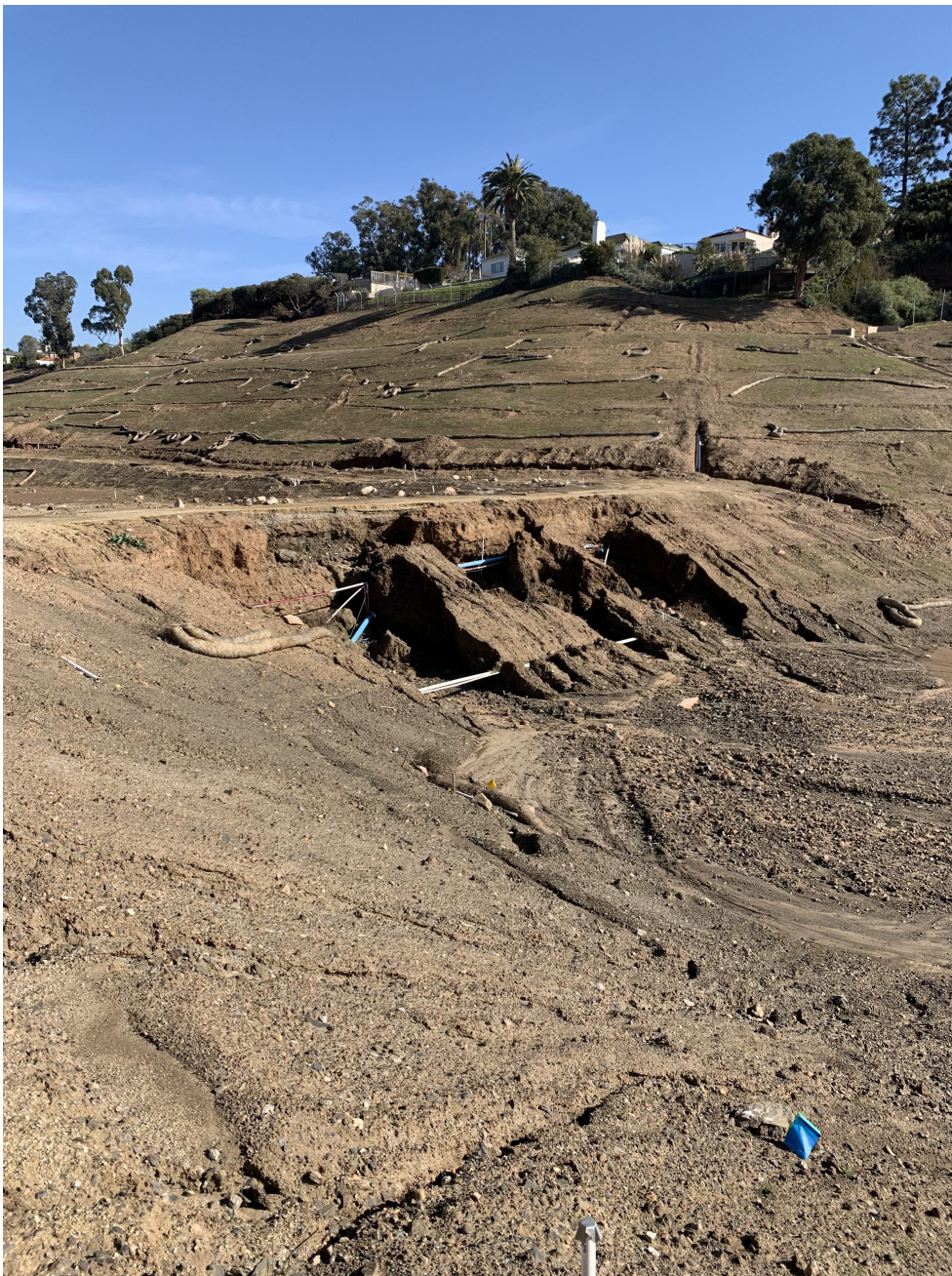


Photo 1: Looking northeast at the Basin 9 berm after the December storms. Severe erosion caused collapse of the berm and washed mud into the basin.



Photo 2: Looking west at the berm between Basin 8 and Basin 9, taken during the December storms. A period of intense rainfall resulted in a washout on the slope of the berm.



Photo 3 (above): Looking north into the canyon. Heavy rains resulted in severe erosion gullies that made the roadway unsafe for construction vehicles to enter the canyon.



Photo 4 (left): Erosion gullies were 1-ft to 3-ft deep and were required to be filled in for vehicles to be able to drive through.



Photo 5: Looking northwest along the access road near PCH. A landslide deposited mud and debris, rendering the road impassable.



Photo 6: The Contractor excavated mud and debris, and placed geotextile on the roadway to allow safe passage from the project stockpile into the canyon and continue construction



Photo 7: Looking northeast from Pacific Coast Highway. A landslide deposited mud and debris onto the access road. Severe erosional rutting also prevented access to the project stockpile as shown on the left.

020	036-R0	Washout	TM	U	01/10/22	\$10,000.00	/22	\$50,000.00	\$36,908.00	01/20/22	\$39,035.23	\$39,035.00	03/14/22	EXEC	03/15/22	0	
021	050-R1	Rain Delays for December 2021 through January 2022	LS	U	01/10/22	\$0.00	02/02/22		\$0.00	02/14/22	\$0.00	\$0.00	02/19/22	EXEC	02/23/22	9	
022	030-R0	Modification to Rebar @ Friends Street per RFI #72	LS	E	01/18/22	\$10,000.00	01/19/22		\$5,921.00	12/16/21	\$5,638.00	\$5,638.00	01/31/22	EXEC	02/01/22	0	
023	043-R0	Partnering Meeting #2 - December 17, 2021 (Supplemental to AO 7-002)	LS	U	01/21/22	\$5,000.00	01/24/22		\$1,448.00	02/03/22	\$1,448.00	\$1,448.00	02/19/22	EXEC	02/23/22	0	
024	035-R0	Rutting Repair Along Stockpile Access Road	LS	U	02/02/22	\$25,000.00	03/02/22		\$17,384.00	01/19/22	\$37,814.77	\$16,201.00	03/08/22	EXEC	03/10/22	0	
025	063-R0 034-R0	Rutting Repair Along Park Access Road per RFI No 112-R1	LS	U	02/02/22	\$50,000.00	03/02/22		\$48,341.00 \$0.00	03/14/22 01/19/22	\$42,654.00	\$46,964.00	03/14/22	EXEC	03/15/22	0	
026	033-R0	(VOID) Buttress Fill at Basin 0 per PC No. 13	CAN	S					\$697,792.00	01/19/22				CAN			
027	090-R1	Recreation Center Repairs	TM	U	03/07/22	\$50,000.00	03/17/22	\$50,000.00	\$35,076.00	08/25/22	\$34,865.00	\$34,865.00	10/19/22	EXEC	10/28/22	0	
028	041-R0	Access Road Repair - Overly Saturated Soil	LS	U	03/03/22	\$25,000.00	03/03/22		\$23,002.00	01/28/22	\$27,258.97	\$27,259.00	03/14/22	EXEC	03/15/22	0	
029	046-R0	Encroachment Removals at 401 Alma Real	LS	U	03/03/22	\$50,000.00	03/03/22		\$35,459.00	02/03/22	\$23,576.58	\$23,577.00	03/14/22	EXEC	03/15/22	0	
030	047-R0	South of Basin 9 Grading and Compaction Issues	LS	U	03/03/22	\$25,000.00	03/03/22		\$19,974.00	02/03/22	\$21,673.46	\$19,974.00	03/14/22	EXEC	03/15/22	0	
031	059-R0	Partnering Meeting #3 (02/23/22)	LS	U	03/10/22	\$10,000.00	03/11/22		\$5,000.00	03/04/22	\$5,000.00	\$5,000.00	03/31/22	EXEC	04/07/22	0	
032	060-R0	AC Pavement Repair at Rec Center	LS	U	03/16/22	\$50,000.00	03/17/22		\$25,306.00	03/04/22	\$13,504.00	\$17,235.00	07/12/22	EXEC	07/13/22	0	
033	061-R0 031-R1	Remobilization & Additional Relocations (Ferreira)	LS	U	03/10/22	\$50,000.00	03/11/22		\$2,748.00 \$5,275.00	03/04/22 01/21/22	\$31,409.05	\$41,548.00	04/13/22	EXEC	04/20/22	0	
034	052-R0	Berm Repair - Basin 8/9	LS	U	03/14/22	\$200,000.00	03/14/22		\$0.00	02/16/22	\$193,874.00	\$194,968.00	07/12/22	EXEC	07/13/22	0	
035	068-R0	Reimbursement for Furnished Plants & Plant Maintenance - Oak Trees and Jan-Mar Maintenance Fees	LS	S	03/14/22	\$10,000.00	03/14/22		\$7,156.00	04/21/22	\$7,156.10	\$7,156.00	05/18/22	EXEC	05/27/22	0	
036	062-R0	Relocation of Project Spoils to Stockpile Area	LS	U	03/14/22	\$50,000.00	03/14/22		\$20,393.00	03/14/22	\$20,393.47	\$20,393.00	08/11/22	EXEC	08/12/22	0	
037	053-R1	Basin Slope Repair - Basin 9 West Side Washout	LS	U	03/24/22	\$75,000.00	03/24/22		\$68,816.00	03/16/22	\$57,338.00	\$62,118.00	07/12/22	EXEC	07/14/22	0	
038	019-R0 020-R0	Post at Terrace Drains (West Side)	LS	U	03/29/22	\$50,000.00	03/29/22		\$3,549.00 \$0.00	11/24/21 12/03/21	\$31,393.00	\$31,393.00	04/13/22	EXEC	04/20/22	0	
039	074-R0	Reimbursement for Furnished Plants & Plant Maintenance - April Maintenance and April Plant Delivery (Invoices 35171, 35172, 35379, & 35384)	LS	U	04/26/22	\$25,000.00	04/27/22		\$32,119.00	05/26/22	\$32,119.42	\$32,119.00	05/27/22	EXEC	06/02/22	0	
040	023-R0	Removal and Demolition of Encroachments per RFI 88	LS	U	05/09/22	\$10,000.00	05/12/22		\$58,888.00	12/08/21	\$9,408.40	\$9,408.00	08/11/22	EXEC	08/12/22	0	
041	051-R1 016-R0	Additional Make-Up Fencing	LS	U	05/10/22	\$50,000.00	05/11/22		\$29,464.00 \$2,118.00	05/06/22 11/16/21	\$29,464.00	\$29,464.00	06/22/22	EXEC	07/11/22	0	
042	026-R1 101-R0	(VOID) Resolution to Differing Site Conditions for Fencing Installation	CAN	U					\$28,363.00 \$3,135.00	12/13/21 09/01/22				CAN			
043	None Specified	(VOID) Removal of Debris Dumped by Pacific Coast Highway	CAN	U										CAN			
044	055-R0	Final Tree Removals	LS	E	05/23/22	\$100,000.00	05/23/22		\$121,450.00	02/21/22	\$78,659.29	\$81,127.00	05/24/22	EXEC	05/27/22	0	

045	054-R0	(VOID) POC for Domestic Water and Force Main	CAN	E	05/24/22	\$75,000.00			\$0.00	02/16/22				CAN			
046	092-R1	(VOID) Memorialization of Recreation Center Parking Changes	CAN	U					\$0.00	08/10/22				CAN			
047	057-R0	(VOID) Fence Repair at 667 Alma Real Dr	CAN	S					\$2,730.00	02/28/22				CAN			
048	069-R0	Solar Controller at Recreation Center Parking Lot	LS	S	06/13/22	\$5,000.00	06/21/22		\$1,402.00	05/06/22	\$1,148.95	\$1,149.00	08/03/22	EXEC	08/05/22	0	
049	056-R0	6' Fence & Gate at Earlham	LS	U	06/21/22	\$10,000.00	06/21/22		\$5,809.00	02/28/22	\$5,641.03	\$5,809.00	08/11/22	EXEC	08/12/22	0	
050	071-R0	Trenching Assistance for RAP at Rec Center	LS	E	06/21/22	\$5,000.00	06/21/22		\$3,008.00	05/06/22	\$4,455.02	\$3,008.00	07/08/22	EXEC	07/11/22	0	
051	075-R0	Partnering Meeting #4 (05/04/22)	LS	U	06/21/22	\$10,000.00	06/21/22		\$5,000.00	05/26/22	\$5,000.00	\$5,000.00	06/23/22	EXEC	07/13/22	0	
052	072-R0	Modification of Modem to Firewall per LASAN Direction	LS	S	06/21/22	\$25,000.00	06/21/22		\$23,622.00	05/06/22	\$20,362.00	\$20,362.00	08/30/22	EXEC	09/07/22	0	
053	065-R0	Basin 9 Berm Toe Repair	LS	U	06/23/22	\$25,000.00	06/24/22		\$21,637.00	03/31/22	\$19,419.25	\$20,500.00	08/11/22	EXEC	08/12/22	0	
054	058-R0	Basin 9 Irrigation Line Repair	LS	U	06/27/22	\$50,000.00	06/28/22		\$27,043.00	03/04/22	\$22,697.95	\$25,996.00	07/12/22	EXEC	07/14/22	0	
055	085-R0	Reimbursement for Furnished Plants & Plant Maintenance - May & Jun Maintenance + Plant Deliveries (Delivery Invoices 35608, 35708, 35889, 36070, 36172, 36250, 36298, 36340, 36496 and 36171)	LS	U	06/28/22	\$50,000.00	06/28/22		\$63,688.74	07/29/22	\$63,688.74	\$63,689.00	08/02/22	EXEC	08/05/22	0	
056	None Specified	(VOID) Reimbursement for Extended Retention of Industrial Hygienist	CAN	U										CAN			
057	093-R0	Partnering Meeting #5 (07/27/22)	LS	U	08/01/22	\$10,000.00	08/02/22		\$5,000.00	08/10/22	\$5,000.00	\$5,000.00	08/16/22	EXEC	08/18/22	0	
058	098-R0	Friends St. Access Path Landing Extension and ADA Transitions	LS	E	08/02/22	\$50,000.00	08/02/22		\$34,638.00	08/24/22	\$26,832.31	\$26,832.00	08/31/22	EXEC	09/07/22	0	
059	099-R0	Decomposed Granite Path Below Friends Street Access Path	LS	E	08/02/22	\$100,000.00	08/03/22		\$99,103.00	08/24/22	\$99,102.79	\$99,103.00	08/31/22	EXEC	09/07/22	0	
060	100-R0	Decomposed Granite Path from Basin 7 to Basin 5	LS	E	08/02/22	\$100,000.00	08/03/22		\$99,307.00	08/24/22	\$99,306.71	\$99,307.00	08/31/22	EXEC	09/07/22	0	
061	077-R0	Terrace Drain Extension per RFI 0142	LS	E	08/11/22	\$100,000.00	08/17/22		\$84,756.00	06/07/22	\$79,392.00	\$79,392.00	08/18/22	EXEC	08/19/22	0	
062	081-R0	Pre-fab Restroom Storm Drain	LS	E	08/11/22	\$10,000.00	08/11/22		\$9,855.00	06/21/22	\$8,663.00	\$8,663.00	08/16/22	EXEC	08/18/22	0	
063	039-R1	Basin 0 Gate and Fence Modification	LS	E	08/22/22	\$10,000.00	08/23/22		\$0.00	06/08/22	\$3,347.00	\$3,347.00	09/07/22	EXEC	09/11/22	0	
064	042-R0	Transformer Pad Relocation per PC 0010	LS	U	08/19/22	\$25,000.00	08/23/22		\$30,634.00	01/31/22	\$11,392.00	\$20,000.00	10/17/22	EXEC	10/24/22	0	
065	066-R0	Removal of Encroachments at 15305 De Pauw	LS	U	08/19/22	\$25,000.00	08/23/22		\$24,635.00	04/05/22	\$23,281.00	\$23,281.00	09/15/22	EXEC	09/20/22	0	
066	078-R0	Temporary Power at for POC2 Controller	LS	U	08/22/22	\$25,000.00	08/23/22		\$10,971.00	06/07/22	\$15,610.00	\$15,570.00	09/11/22	EXEC	09/16/22	0	
067	079-R0 080-R0 088-R0	Pump Station Relocation Issues	LS	U	09/30/22	\$100,000.00	10/04/22		\$66,726.00 \$43,491.00 \$60,207.00	06/07/22 06/07/22 07/29/22	\$83,700.00	\$83,700.00	10/12/22	EXEC	10/18/22	0	
068	087-R0	Reimbursement for Basin 0 Furnished Trees	LS	S	09/07/22	\$10,000.00	09/07/22		\$9,061.00	07/29/22	\$9,061.00	\$9,061.00	10/12/22	EXEC	10/18/22	0	

069	106-R0	Time Extension - PC 13 Issuance & Cancellation	LS	U	09/29/22	\$100,000.00	09/30/22		\$86,100.00	10/14/22	\$86,100.00	\$86,100.00	10/19/22	EXEC	10/25/22	42	
070	107-R0	Time Extension - Adverse Weather & Repairs at Basin 9 (TIA 2)	LS	U	09/28/22	\$100,000.00	09/30/22		\$84,050.00	10/14/22	\$84,050.00	\$84,050.00	10/19/22	EXEC	10/28/22	50	
071	084-R0	RCP Extension at Pump Station Per PC 015	LS	E	09/30/22	\$75,000.00	10/04/22		\$117,210.00	06/28/22	\$59,701.00	\$59,700.00	10/12/22	EXEC	10/18/22	0	
072	104-R0 025-R0	Hydroseeding - Application of Hydropost & Biosol	LS	E	09/29/22	\$50,000.00	09/30/22		\$40,000.00 \$256,747.00	09/27/22 12/13/21	\$40,000.00	\$40,000.00	10/12/22	EXEC	10/18/22	0	
073	150-R0	Diversion Manhole Flattop Re-fabrication	LS	E	03/09/23	\$10,000.00	03/09/23		\$4,880.00	01/26/23	\$4,880.00	\$4,880.00	03/23/23	EXEC	03/29/23	0	
074	133-R0	Amendment of Inspection Requirements for CDS Unit	LS	E	09/30/22	-\$1,000.00	09/30/22		\$0.00	12/23/22	\$0.00	\$0.00	01/17/23	EXEC	01/21/23	0	
075	095-R0	Placing DG and Base at Rec-Center Parking Lot	LS	E	09/30/22	\$25,000.00	09/30/22		\$11,545.00	08/23/22	\$8,546.00	\$10,108.00	10/08/22	EXEC	10/18/22	0	
076	096-R0	Encroachment Removal at 627 & 632 Swarthmore	LS	U	09/30/22	\$10,000.00	10/04/22		\$9,430.00	08/23/22	\$7,980.00	\$8,858.00	10/08/22	EXEC	10/18/22	0	
077	097-R0	Encroachment Removal at 301 Alma Real	LS	U	10/05/22	\$25,000.00	10/05/22		\$15,253.00	08/23/22	\$6,553.00	\$8,769.00	10/17/22	EXEC	10/24/22	0	
079	108-R0	Earlham Storm Drain (Supplemental CO to AO 2-005)	LS	S	10/05/22	\$100,000.00	10/05/22		\$77,368.00	10/17/22	\$77,368.00	\$77,368.00	10/19/22	EXEC	10/24/22	0	
080	105-R0	Limited Access to Earlham SD - Traffic Control & Slurry Backfill Substitute	LS	S	03/09/23	\$50,000.00	03/09/23		\$54,206.00	10/03/22	\$33,250.00	\$42,349.00	03/23/23	EXEC	03/29/23	0	
081	110-R0	PCH Down Drain	LS	U	03/09/23	\$50,000.00	03/09/23		\$29,530.00	10/17/22	\$25,230.00	\$27,750.00	03/28/23	EXEC	04/10/23	0	
082	113-R0	Placing DG at Sitting Area South of Basin 9	LS	E	03/09/23	\$25,000.00	03/09/23		\$12,786.00	10/17/22	\$4,467.74	\$12,786.00	03/29/23	EXEC	04/10/23	0	
083	142-R0 136-R0	Additional Plants for Demon Garden, Basin 9 Observation Area, and PCH Hillside	LS	S	03/08/23	\$10,000.00	03/09/23		\$3,486.00 \$2,706.00	01/05/23 12/27/22	\$6,192.00	\$6,192.00	04/06/23	EXEC	04/10/23	0	
084	070-R0	Curb Painting & Additional Wheel Stops at Rec Center Parking Lot	LS	S	03/09/23	\$10,000.00	03/09/23		\$5,888.00	05/06/22	\$7,052.99	\$5,888.00	03/28/23	EXEC	03/29/23	0	
085	109-R0 094-R0	Recreation Center Changes per PC 029R1	LS	S	03/09/23	\$75,000.00	03/09/23		\$2,820.00 \$51,045.00	10/17/22 08/10/22	\$54,180.56	\$53,865.00	03/28/23	EXEC	03/29/23	0	
086	103-R0	Removal of Debris Dumped at Pacific Coast Highway	LS	U	03/09/23	\$10,000.00	03/09/23		\$13,236.00	09/21/22	\$11,290.91	\$11,291.00	03/28/23	EXEC	04/10/23	0	
087	102-R0	Reduction in Post & Wire Fencing Scope and Deletion of DG Path	LS	S	12/05/22	-\$1,000.00	12/06/22		-\$2,579.00	09/21/22	-\$4,108.61	-\$2,888.00	12/08/22	EXEC	12/08/22	0	
088	126-R0	Deletion of Trellis at Restroom	LS	S	12/05/22	-\$1,000.00	12/06/22		-\$3,345.00	12/16/22	-\$3,694.00	-\$3,345.00	12/21/22	EXEC	01/03/23	0	
090	117-R0	Fencing Desclope at 15215 Friends St., 15263 Friends St., and 15210 Earlham St.	LS	U	12/05/22	\$0.00	12/06/22		\$0.00	12/07/22	\$0.00	\$0.00	12/08/22	EXEC	12/08/22	0	
091	138-R0 149-R0	Access Road Drainage Additions per PC 028	LS	U	03/09/23	\$25,000.00	03/09/23		\$10,409.00 \$0.00	12/28/22 01/26/23	\$10,470.96	\$10,409.00	03/30/23	EXEC	04/10/23	0	
092	154-R0	Reduction in Subdrain Scope	LS	S	12/09/22	-\$5,000.00	12/09/22		-\$8,315.00	02/08/23	-\$10,314.00	-\$10,314.00	03/27/23	EXEC	03/29/23	0	
093	118-R0	Tree Stump Credit	LS	S	12/09/22	-\$1,000.00	12/09/22		-\$1,260.00	12/09/22	-\$1,475.00	-\$1,250.00	12/09/22	EXEC	12/13/22	0	
094	112-R1	Main Entry Sidewalk Modification per PC 016	LS	E	03/09/23	\$75,000.00	03/09/23		\$96,567.00	11/08/22	\$67,895.55	\$78,708.00	03/30/23	EXEC	04/10/23	0	
095	134-R0	Deduct Balance from Bid Item 5 - Allowance for Survey Services	LS	S	12/15/22	-\$1,000.00	12/15/22		-\$1,504.00	12/27/22	-\$1,504.00	-\$1,504.00	01/17/23	EXEC	01/21/23	0	
096	135-R0	Deduct Balance from Bid Item 4 - Allowance for	LS	S	12/14/22	-\$5,000.00	12/15/22		-\$9,658.00	12/27/22	-\$9,658.00	-\$9,658.00	01/17/23	EXEC	01/21/23	0	

		Permits					/22										
097	None Specified	(VOID) Deduct Balance from Bid Item 6 - Allowance for LADWP Requests	CAN	U											CAN		
099	None Specified	Basin 6 Erosion Protection		U	03/02/23	\$50,000.00	04/06/23	\$5,000.00							UNR		
100	None Specified	(VOID) Supplemental Agreement - Increase Total Change Order Amount to 45%	CAN	S											CAN		
101	159-R0	Supplemental Agreement - Increase Total Change Order Amount to 32.04%	LS	U	02/28/23	\$0.00	02/28/23		\$0.00	03/08/23	\$0.00	\$0.00	03/08/23	EXEC	03/09/23	0	
102	124-R0	Additional Drilling for Grounding Rods	LS	U	03/09/23	\$5,000.00	03/09/23		\$3,089.00	12/16/22	\$2,437.07	\$3,089.00	03/31/23	EXEC	04/10/23	0	
103	123-R0	Mow Curb V-Notches at Basin 0	LS	U	03/09/23	\$10,000.00	03/09/23		\$6,618.00	12/12/22	\$6,697.90	\$6,618.00	04/06/23	EXEC	04/10/23	0	
104	130-R0	PCH Down Drain Adjustments and Extension	LS	E	03/09/23	\$50,000.00	03/09/23		\$41,858.00	12/20/22	\$32,218.14	\$40,252.00	03/29/23	EXEC	04/10/23	0	
105	None Specified	Partial Release of Retention		U											UNR		
106	132-R0	Additional Efforts for Grounding Rod Installation	LS	U	04/10/23	\$25,000.00	04/10/23		\$22,216.00	12/21/22	\$18,448.50	\$20,500.00	04/26/23	EXEC	04/28/23	0	
107	114-R0	Additional CIH Monitoring at Pump Station Excavation	LS	U	04/10/23	\$50,000.00	04/11/23		\$39,594.00	10/18/22	\$39,594.18	\$39,594.00	04/26/23	EXEC	04/28/23	0	
108	131-R0	Additional Cross Gutters Along Access Road	LS	E	04/10/23	\$75,000.00	04/10/23		\$69,513.00	12/20/22	\$58,500.00	\$39,303.00	04/27/23	EXEC	04/28/23	0	
109	119-R1	Additional Bollards Required by LADWP	LS	U	04/10/23	\$50,000.00	04/11/23		\$28,160.00	12/13/22	\$24,606.80	\$25,509.00	04/27/23	EXEC	04/28/23	0	
110	116-R0	Changes to Restroom Area per RFI 135	LS	E	04/10/23	\$50,000.00	04/10/23		\$51,199.00	11/17/22	\$39,539.70	\$46,500.00	04/27/23	EXEC	04/28/23	0	
111	160-R0	Additional Efforts for Basin 6 Repair Due to Landslide	LS	U	04/20/23	\$50,000.00	04/20/23		\$54,736.00	04/13/23	\$40,747.00	\$44,000.00	04/27/23	EXEC	04/28/23	0	
112	157-R0	Basin 6 Slope Repair		U					\$75,288.00	02/16/23					UNR		
113	158-R0	Basin 6 Additional Drainage System		E	05/26/23	\$75,000.00	05/26/23		\$73,650.00	02/16/23	\$70,676.00	\$70,676.00	06/02/23	NEG			
114	139-R0	Overtime & Weekend Work		U	05/26/23	\$50,000.00	05/26/23		\$61,295.00	12/28/22	\$38,880.00	\$38,880.00	06/01/23	NEG			
115	148-R0	Additional Demo & Chipping Concrete Fence Posts at Entrance Gate		E	05/26/23	\$5,000.00	05/26/23		\$3,458.00	01/25/23	\$3,786.00	\$3,458.00	06/02/23	NEG			
116	121-R0	Demo of Unforeseen Concrete at Diversion MH		U	05/26/23	\$10,000.00	05/26/23		\$6,026.00	12/12/22	\$6,082.00	\$6,026.00	06/02/23	NEG			
117	156-R0	Raising Cleanouts Along Access Road		E					\$47,260.00	02/16/23					UNR		

Original Contract	\$8,892,394.00	Time Extension	101 CD's	Payment Type: LS: Lump Sum TM: Time & Material CAN: Canceled	CO Category: U: Unforeseen 53 E: Errors & Omissions 20 S: Change in Scope 22	\$1,448,656.00
Original Contingency	\$889,239.00	Approved Comp. CD's	83			\$900,197.00
Revised Contingency	\$2,849,708.00	Approved Non Comp. CD's	18			\$381,134.00
Executed COs & UCOs	\$2,729,987.00			CO Status: EXEC: Executed NEG: Negotiated UNR: Unresolved CAN: Canceled	Executed COs 95	\$2,729,987.00
CO Percentage	30.70%				Executed UCOs 0	\$0.00

Revised Contract	\$11,622,381.00			Forecasted COs	5	\$169,040.00
Remaining Contingency	\$119,721.00			Canceled COs	11	--