



**CITY OF REDONDO BEACH
DEPARTMENT OF PUBLIC WORKS**

**Portofino and Yacht Club Way Pump Station Project
Job No. 50210 & 50260
CHANGE ORDER NO. 1**

June 7, 2024

I. Description of work included in the contract:

The WORK of this Contract comprises rebuilding the existing Portofino Way and Yacht Club Way Pump Stations. The work shall include general civil, architectural, mechanical, HVAC, plumbing, structural, electrical, and control work and all else as shown the construction drawings and detailed in the specifications for a fully functioning facility. Construction of new cast-in-place concrete and masonry wall structure, new precast concrete wet well and hatches manholes, mechanical equipment including pumps, valves and yard piping, Electrical equipment, conduit, and wiring. Installation of instrumentation, wiring, and panels for new PLC and SCADA systems. Testing, commissioning, and startup of the new equipment. New Control/RTU Panel and PLC programming and integration, including SCADA integration. General civil improvements, shoring, subgrade preparation, and dewatering, as required. The work shall include all permitting, mobilization, coordination, traffic control, demolition, dewatering, trenching, excavation, shoring, installation, backfilling, compaction, testing, commissioning, and startup of the new equipment, paving, concrete, landscape and irrigation restoration, maintaining & temporary handling sewer flows etc. required to complete the work shown in the contract document.

II. Changes ordered:

The following changes have been ordered:

- Item # 1– Void near existing Manhole No. 3 at intersection of Harbor Drive and Portofino Way– Encountered void near the existing manhole that as an emergency work was filled for safety.
- Item # 2 – Cheese cake factory Lateral – The existing lateral location was verified using a robot camera.

III. Reasons for the changes:

Item # 1 (PCO 4) – During potholing for the proposed Forcemain alignment at the intersection of Portofino and Harbor Drive, a void was discovered under the asphalt slab near the existing sewer manhole. In response to RFI No. 22, the contractor received approval to address the repair due to the large cavity. The repair work involved setting up traffic control and filling the void with a 2-sack slurry as a temporary measure to stabilize the roadway. This was necessary to ensure the stability of the roadway at the intersection of Harbor Blvd and Portofino Way.

Item #2 (PCO 7) – There was a discrepancy in the alignment of the Cheesecake Factory's lateral to the plan. To verify the correct location, a robot camera was used, as per RFI No. 30.

IV. Contract Adjustment:

Work Authorized in Base Contract \$ 7,514,000.00

This Change Order Itemized

Item #1	\$ 10,747.14
Item #2	\$ 2,121.00

This Change Order Total	<u>\$ 12,868.14</u>
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Change Order #1	\$ 12,868.14
Revised Contract Amount	\$ 7,526,868.14

V. Contract time:

The above changes will increase the contract duration by THREE (3) working days.

VI. Compensation:

This change order constitutes full and complete payment for all costs associated with the above changes inclusive of consultant's profit, direct and indirect overhead, insurance, supervision, labor, material, equipment, and lost business opportunities.

Mehta Mechanical Company, Inc.

By: Shivam Mehta
Authorized Representative

CITY OF REDONDO BEACH

By: Lauren Sablan
Lauren Sablan, PE
Acting City Engineer



**CITY OF REDONDO BEACH
DEPARTMENT OF PUBLIC WORKS**

Portofino and Yacht Club Way Pump Station Project

Job No. 50210 & 50260

CHANGE ORDER NO. 2

September 30, 2024

I. Description of work included in the contract:

The work of this Contract comprises rebuilding the existing Portofino Way and Yacht Club Way Pump Stations. The work shall include general civil, architectural, mechanical, HVAC, plumbing, structural, electrical, and control work and all else as shown the construction drawings and detailed in the specifications for a fully functioning facility. Construction of new cast-in-place concrete and masonry wall structure, new precast concrete wet well and hatches manholes, mechanical equipment including pumps, valves and yard piping, Electrical equipment, conduit, and wiring. Installation of instrumentation, wiring, and panels for new PLC and SCADA systems. Testing, commissioning, and startup of the new equipment. New Control/RTU Panel and PLC programming and integration, including SCADA integration. General civil improvements, shoring, subgrade preparation, and dewatering, as required. The work shall include all permitting, mobilization, coordination, traffic control, demolition, dewatering, trenching, excavation, shoring, installation, backfilling, compaction, testing, commissioning, and startup of the new equipment, paving, concrete, landscape and irrigation restoration, maintaining & temporary handling sewer flows etc. required to complete the work shown in the contract document.

II. Changes ordered:

The following changes have been ordered:

- Item # 1– Submersible wastewater pumps - The contractor submitted KSB pumps instead of the Flygt pumps that were approved equal.
- Item # 2 – The contractor's surveyor in the field conducting a survey to determine the control points-
- Item # 3 – Trench and installation of additional 45-degree bends, 90-degree bends, and thrust blocks for the entire Force Main scope of work.
- Item # 4 – Electrical conduit repair
- Item # 5 - Research existing electrical equipment

III. Reasons for the changes:

Item #1 (PCO 1) – The contractor submittal of KSB pump was rejected. The city uses Flygt pumps that have become the City's standard for submersible pumps for consistency and efficiencies in maintenance and operations across the City's collection system. This change caused a price increase difference from DXP and Xylem.

Item #2 (PCO 3) – The contractor provided additional surveying to determine the control points. Established horizontal and vertical control points through project area. Perform a topographic as-built survey of existing features shown on plans for Portofino Way and Yacht Club Way. No Additional time is accepted.

Item #3 (PCO 10.1) – In reference to RFI #47, The proposed Portofino Way pump station force main was found to be running beneath an unmarked existing streetlight. To avoid damages to the existing streetlight, the contractor, worked on a time and materials basis, installed a 45-degree bend and a 90-degree bend at the discharge point. This allowed for rerouting the line away from the streetlight and an adjacent potable water line, ensuring minimal disruption to existing infrastructure.

Item #4 (PCO 11) – The contractor's subcontractor based on Time and material repaired damaged electrical conduit work that was not shown on the plans and unmarked by Dig Alert.

Item #5 (PCO 14) – In reference to RFI #35.1, as built drawings of the existing electrical equipment were not available. MMC was directed based on Time and material to perform research to verify the existing system.

IV. Contract Adjustment:

Work Authorized in Base Contract \$ 7,514,000.00

This Change Order Itemized

Item #1	\$ 23,248.38
Item #2	\$ 2,230.08
Item #3	\$ 26,132.52
Item #4	\$ 2,789.53
Item #5	\$ 6,826.44

This Change Order Total \$ 61,226.95

Change Order #1	\$	12,868.14
Change Order #2	\$	61,226.95
Revised Contract Amount	\$	7,588,095.09

V. Contract time:

The above changes will increase the contract duration by FIVE (5) working days.

VI. Compensation:

This change order constitutes full and complete payment for all costs associated with the above changes inclusive of consultant's profit, direct and indirect overhead, insurance, supervision, labor, material, equipment, and lost business opportunities.

Mehta Mechanical Company, Inc.

By: Shivam Mehta
Authorized Representative

CITY OF REDONDO BEACH

By: Lauren Sablan
Lauren Sablan, PE
Acting City Engineer



Public Works Department
Engineering Services Division
415 Diamond Street
Redondo Beach CA90277

Tel: 310.318.0661
redondoengineering@redondo.org
Redondo.org

April 03, 2025

VIA MAIL & EMAIL
DELIVERY RECEIPT REQUESTED

Mehta Mechanical Company, Inc.
5901 Fresca Dr.
La Palma, CA 90623
Attention: Jay Mehta
Email address: jay@aboutmmc.com

Re: Portofino Way Sewer Pump Station and Yacht Club Way Sewer Pump Station Project, Job Nos. 50210 & 50260

Dear Mr. Mehta,

Please find the attached Change Order #3.

Thank you,

Lauren Sablan
City Engineer
City of Redondo Beach



**CITY OF REDONDO BEACH
DEPARTMENT OF PUBLIC WORKS**

Portofino and Yacht Club Way Pump Station Project

Job No. 50210 & 50260

CHANGE ORDER NO. 3

April 3, 2025

I. Description of work included in the contract:

The work of this Contract comprises rebuilding the existing Portofino Way and Yacht Club Way Pump Stations. The work shall include general civil, architectural, mechanical, HVAC, plumbing, structural, electrical, and control work and all else as shown on the construction drawings and detailed in the specifications for a fully functioning facility. Construction of new cast-in-place concrete and masonry wall structure, new precast concrete wet well and hatches manholes, mechanical equipment including pumps, valves and yard piping, electrical equipment, conduit, and wiring. Installation of instrumentation, wiring, and panels for new PLC and SCADA systems. Testing, commissioning, and startup of the new equipment. New Control/RTU Panel and PLC programming and integration, including SCADA integration. General civil improvements, shoring, subgrade preparation, and dewatering, as required. The work shall include all permitting, mobilization, coordination, traffic control, demolition, dewatering, trenching, excavation, shoring, installation, backfilling, compaction, testing, commissioning, and startup of the new equipment, paving, concrete, landscape and irrigation restoration, maintaining & temporary handling sewer flows etc. required to complete the work shown in the contract document.

II. Changes ordered:

This change order provides for changes performed by the Contractor under this project. It covers construction response to RFI's, City requested/directed changes, conflicts between design drawings, and existing field conditions. The changes ordered were negotiated prices and agreed upon between the City and the Contractor. The following changes were directed, monitored, and documented over the course of the project:

A: The following is the reconciliation of the Yacht Club Way Sewer Pump Station bid item quantities, but does not prohibit future reconciliation:

BID ITEMS	DESCRIPTION	QTY	UNIT	REVISED QTY	Quantity Change	Unit Price	TOTAL
0001	Mobilization/Demobilization	1	LS	90.67%	- 9.33%	\$150,000	\$(14,000)
0002	Traffic Control	1	LS	90%	-10%	\$50,000	\$(5,000)
0003	Dewatering	1	LS	83%	-17%	\$500,000	\$(85,000)
0004	Trench and Excavation Safety/Shoring	1	LS	44.83%	-55.17%	\$350,000	\$(193,100)
0005	10" SDR 35 Sewer pipe	25	LF	0	-100%	\$25,000	\$(25,000)
0006	6" DIP Sewer force pipe	120	LF	90%	-10%	\$60,000	\$(6,000)
0007	6' diameter sewer manhole (temp pump station) /	1	LS	0	-100%	\$175,000	\$(175,000)
0008	Temp pump station (incl pumps, controls, guides	1	LS	0	-100%	\$75,000	\$(75,000)
0009	Precast Concrete Structure (Pump Station) w/ coating	1	LS	4.22%	-95.78%	\$450,000	\$(431,000)
0010	Hatches	1	LS	0	-100%	\$50,000	\$(50,000)
0011	Sidewalk, Driveway, curb and gutter Removal and Replacement	1	LS	0	-100%	\$50,000	\$(50,000)
0012	Site Grading & Paving	1	LS	0	-100%	\$50,000	\$(50,000)
0013	Mechanical Equipment /install	1	LS	0	-100%	\$350,000	\$(350,000)
0014	Controls Equipment/Install	1	LS	0	-100%	\$100,000	\$(100,000)
0015	Electrical Equipment /install	1	LS	0	-100%	\$210,000	\$(210,000)
0016	Instrumentation Equipment/ install	1	LS	0	-100%	\$60,000	\$(60,000)
0017	SCADA Systems Integrator (control panel, programming and integrating PLC/RTU by Morrow Meadows) See Technical Specifications Section 17000	1	LS	85.48%	-14.52%	\$155,000	\$(22,500)
0018	20 kW Diesel Generator with particulate filter	1	LS	0	-100%	\$50,000	\$(50,000)
0019	Temporary By-Passing	1	LS	0	-100%	\$50,000	\$(50,000)
0020	Miscellaneous Pump Station Improvements and all other incidentals not included in other proposal items, but required by the project Plans and Specification (PUMPS, MECH, CIVIL ETC. CONCRETE GRADE SLABS)	1	LS	0	-100%	\$150,000	\$(150,000)
0021	Demo Existing Pump Station	1	LS	0	-100%	\$50,000	\$(50,000)
						Subtotal	\$(2,201,600)

- **Item # 1**– Extra work performed by LEED, the subcontractor, to procure and install a new 2-pole breaker and additional 240V wiring for the Portofino Way AC unit. The cost was submitted based on time and materials.
- **Item # 2** – Extra work performed by MMC to install backer rod in the gaps between building beams & roof decking. Seal inside & outside edges of the backer rods with sika 1A for Portofino Way.
- **Item # 3** – Extra work performed by MMC to install AC unit Enclosure.

Change Order #3 \$ (2,195,755.25)

Revised Contract Amount \$ 5,392,339.84

V. Contract time:

The above changes will increase the contract duration by ZERO (0) working days.

VI. Compensation:

This change order constitutes full and complete payment for all costs associated with the above changes inclusive of Contractor's profit, direct and indirect overhead, insurance, supervision, labor, material, equipment, and lost business opportunities.

Mehta Mechanical Company, Inc.

By: _____
Authorized Representative

CITY OF REDONDO BEACH

By: Lauren Sablan
Lauren Sablan, PE
City Engineer



**CITY OF REDONDO BEACH
DEPARTMENT OF PUBLIC WORKS**

Portofino and Yacht Club Way Pump Station Project

Job No. 50210 & 50260

CHANGE ORDER NO. 4

August 25, 2025

I. Description of Work Included in the Contract:

The work of this Contract comprises rebuilding the existing Portofino Way and Yacht Club Way Pump Stations. The work shall include general civil, architectural, mechanical, HVAC, plumbing, structural, electrical, and control work and all else as shown the construction drawings and detailed in the specifications for a fully functioning facility. Construction of new cast-in-place concrete and masonry wall structure, new precast concrete wet well and hatches manholes, mechanical equipment including pumps, valves and yard piping, Electrical equipment, conduit, and wiring. Installation of instrumentation, wiring, and panels for new PLC and SCADA systems. Testing, commissioning, and startup of the new equipment. New Control/RTU Panel and PLC programming and integration, including SCADA integration. General civil improvements, shoring, subgrade preparation, and dewatering, as required. The work shall include all permitting, mobilization, coordination, traffic control, demolition, dewatering, trenching, excavation, shoring, installation, backfilling, compaction, testing, commissioning, and startup of the new equipment, paving, concrete, landscape and irrigation restoration, maintaining & temporary handling sewer flows etc. required to complete the work shown in the contract document.

II. Changes Ordered:

The following changes have been ordered:

- Item #1 (PCO 26) – Installation of the Emergency Fog Light Relocation on a time and material by LEED, the subcontractor.
- Item #2 (PCO 27) - Exhaust Fan Panel Modification – Based on the cost proposal for time and material for modifying the exhaust fan panel for the Portofino Way pump station.

- Item #3 (PCO 28) –Yacht Club Way Shoring Material Liquidation – Based on the contractor's cost proposal and City-approved liquidation values, the scope includes the liquidation of negotiated shoring materials at the Yacht Club Way site, including beams, soldier piles, and steel plates. Selected materials are to be protected in place to secure the site

III. Reasons for the Changes:

Item #1 (PCO 26) – The contractor's subcontractor based on time and material submitted this change order to relocate the emergency light fixture in the electrical room due to change in the location of split unit air conditioner.

Item #2 (PCO 27) – Based on the change order on time and material to modify the exhaust fan panel per RFI 89 for Portofino Way pump station.

Item #3 (PCO 28) – As part of a change order to vacate the Yacht Club Way construction site, the City directed the Contractor to liquidate shoring materials (beams, soldier piles, and steel plates) while retaining in-place shoring necessary to maintain the excavation in its existing condition and secure the site to the City's satisfaction. Soldier piles and steel plates within the shoring pit were left in place to support the future vault construction and to protect the existing pump station and street section, ensuring the site remains safe and secure. Liquidated material cost based on the on City-approved costs.

IV. Contract Adjustment:

Work Authorized in Base Contract \$ 7,514,000.00

This Change Order Itemized:

Item #1	\$ 658.57
Item #2	\$ 4,600.70
Item #3	\$165,216.28

This Change Order Total \$170,475.55

Change Order #1	\$ 12,868.14
Change Order #2	\$ 61,226.95
Change Order #3 (Unilateral CO, disputed by Contractor)..	\$ (2,195,755.25)
Change Order #4	\$ 170,475.55
Revised Contract Amount	\$ 5,562,815.39

V. Contract time:

The above changes will increase the contract duration by three (3) working days.

VI. Compensation:

This change order constitutes full and complete payment for all costs associated with the above changes inclusive of consultant's profit, direct and indirect overhead, insurance, supervision, labor, material, equipment, and lost business opportunities.

Mehta Mechanical Company, Inc.

By: _____
Authorized Representative

CITY OF REDONDO BEACH

By: Lauren Sablan
Lauren Sablan, PE
City Engineer