

STAFF REPORT



ITEM NO. 8

CITY OF OCEANSIDE

DATE: October 8, 2008

TO: Honorable Mayor and City Council Members

FROM: Water Utilities Department

SUBJECT: **APPROVAL OF CLOSING CHANGE ORDER 4 AND ACCEPTANCE OF IMPROVEMENTS CONSTRUCTED BY ORION CONSTRUCTION CORPORATION FOR THE LOMA ALTA CREEK ULTRA-VIOLET TREATMENT FACILITY PROJECT**

SYNOPSIS

Staff and the Utilities Commission recommend that the City Council approve closing Change Order 4 in the amount of \$37,146.29 to the agreement with Orion Construction Corporation of Vista, for the Loma Alta Creek Ultra-Violet Treatment Facility project for unanticipated work and construction credits for reduced quantities of work; authorize the City Engineer to execute the change order; accept the improvements constructed by Orion Construction Corporation for the project, and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

BACKGROUND

Loma Alta Lagoon and Buccaneer Beach, located in the City of Oceanside, have a history of high bacteria levels. Since 1992, the Water Utilities Department has pumped the dry-weather flows from the Loma Alta Lagoon directly into the wastewater ocean outfall. This practice allowed Buccaneer Beach to remain open and free from postings during popular summer months. Due to insufficient capacity in the outfall, an alternative to the diversion was necessary. This Ultra-Violet Facility at the Loma Alta Creek project (UV Facility) allows the flows to be discharged directly into the ocean after treatment and frees up outfall capacity for wastewater (Exhibit A).

On January 16, 2006, Council adopted a resolution authorizing entering into an agreement with the State of California for a Proposition 40 Clean Beaches Initiative grant for the UV Facility. The amount of the grant is \$5,000,000.

On June 20, 2007, Council awarded a construction contract in the amount of \$3,662,949.35 to Orion Construction Corporation of Vista.

ANALYSIS

Change Order 1 consisted of revisions to the endwall structure, increase in length of the multidisc fine screen machine, removal of excess soil from excavation, waterproofing the treatment facility wall, additional labor, equipment and time for adding 5 piles, adding a manhole, and additional work for electrical and SCADA system. The total cost of Change Order 1 was \$5,861.33.

Change Order 2 consisted of a revision to test pile and the addition of a test pile. The total cost of Change Order 2 was \$9,950.27.

Change Order 3 consisted of adding a phone line, control panel, valve operator extensions, pipe supports, pipe barricades, handrail exit lights, electrical power to two air dryers, and moisture relays. The total cost of Change Order 3 was \$85,074.44.

Closing Change Order 4 (Exhibit B) included unanticipated work to add a containment pallet and piping to deliver citric acid to the UV reactor wipers, a 10-inch ductile iron tee and gate valve, a current relay and elapsed time meter for the fine screen control panel, electrical work, and installation of conduit, and construction credits for a reduction in pile length, number of piles and an increase in the number of pile load test. The total cost of Change Order 4 is \$37,146.29.

FISCAL IMPACT

There is an adopted budget of \$5,000,000 (711.667112) for the Loma Alta Lagoon Ultra-Violet Treatment Facility Project. The construction contract is \$3,662,949.35 plus the four Change Orders totaling \$138,032.33 for a total construction cost of \$3,800,981.68. The cost of closing Change Order 4 is \$37,146.29; there are available funds for this change order.

A final inspection has been performed and it was determined that the project was completed per the plans and specifications.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission approved staff's recommendation at its regularly scheduled meeting on September 16, 2008.

CITY ATTORNEY'S ANALYSIS

The reference documents have been reviewed by the City Attorney and approved as to form.

INSURANCE REQUIREMENTS

The City's standard insurance requirements have been met.

RECOMMENDATION

Staff and the Utilities Commission recommend that the City Council approve closing Change Order 4 in the amount of \$37,146.29 to the agreement with Orion Construction Corporation of Vista, for the Loma Alta Creek Ultra-Violet Treatment Facility project for unanticipated work and construction credits for reduced quantities of work; authorize the City Engineer to execute the change order; accept the improvements constructed by Orion Construction Corporation for the project, and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

PREPARED BY:



Greg Blakely
Administration Manager

SUBMITTED BY:



Peter A. Weiss
City Manager

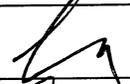
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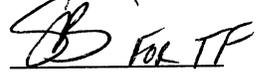
Michelle Skaggs Lawrence, Deputy City Manager

Lonnie Thibodeaux, Water Utilities Director

Teri Ferro, Financial Services Director

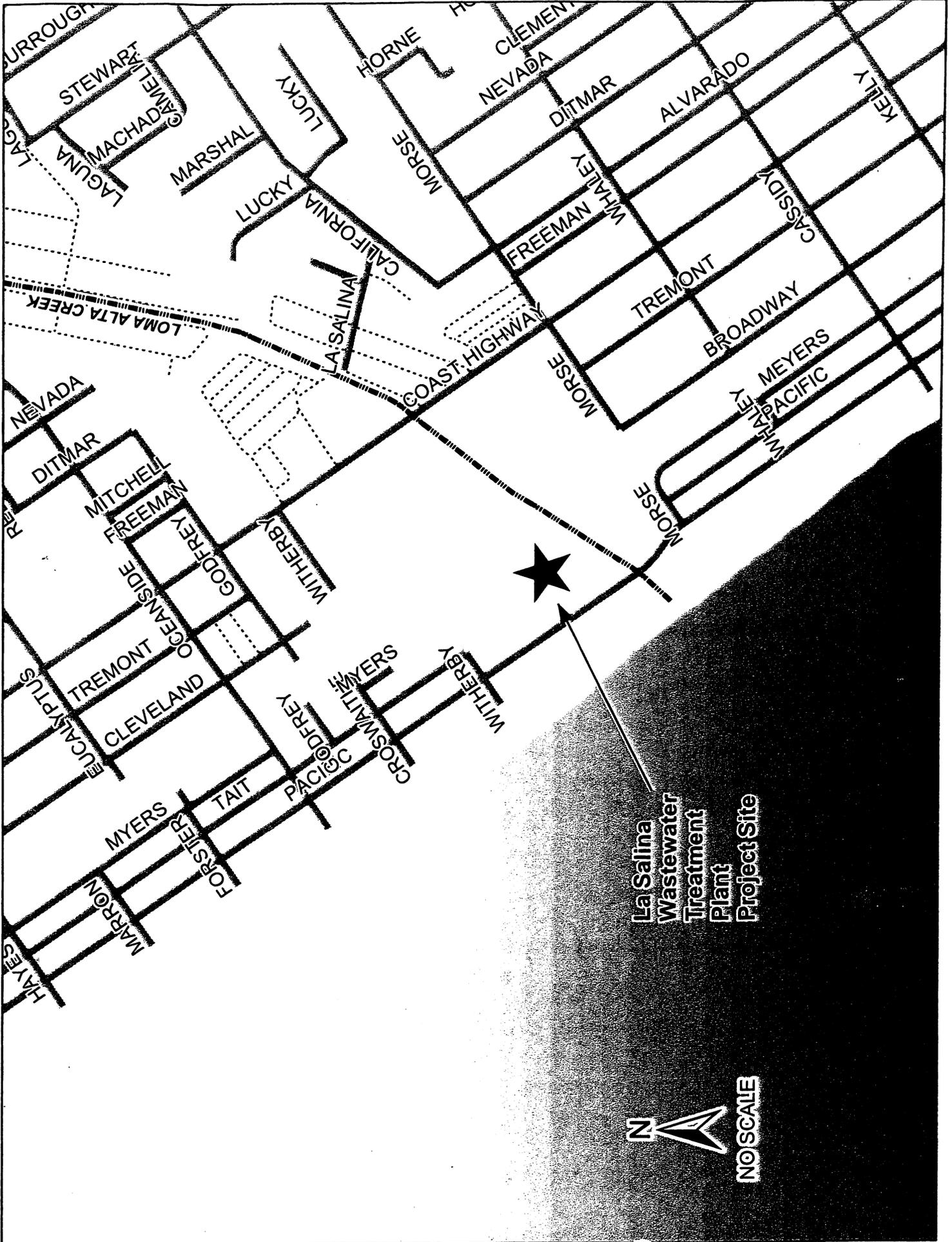






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Exhibit A – Site Map
Exhibit B – Change Order No. 4



La Salina
Wastewater
Treatment
Plant
Project Site

NO SCALE

**CITY OF OCEANSIDE
CONTRACT CHANGE ORDER**

	DATE: <u>August 25, 2008</u>
	PROJECT #: <u>712.858240</u>
PROJECT TITLE: Loma Alta Ultraviolet Treatment Facility	CHANGE ORDER #: <u>No. 4</u>
	PURCHASE ORDER #: <u>61109</u>

This change order provides for: (describe work to be done, estimate of quantities and prices to be paid, state reason for change)

1) Add a containment pallet and piping to deliver 10-percent citric acid to the UV reactor wipers. (COR 022)	\$4,496.60
2) Add a 10-inch ductile iron tee and gate valve at the lagoon to allow discharge during testing. (COR 023)	\$7,109.00
3) Upsize the power wire from the breakers to the UV reactors. (COR 024)	\$1,182.43
4) Add a current relay and an elapsed time meter for the Fine Screen Control Panel. (COR 025)	\$920.82
5) Provide a pipe support on the 10-inch discharge pipe from Filter No. 1. (COR 026)	\$1,268.46
6) Add additional wiring between the UV Control Cabinet and the UV Junction Box and the reactors. (COR 027)	\$6,788.90
7) Replace the 50 amp breaker for the UV Power Cabinet with the required 60 amp breaker. (COR 028)	\$1,807.72
8) Addition of modules required for the PLC-01 to receive hard-wire signals from the UV Control Cabinet. (COR 029)	\$10,212.97
9) Additional electrical work to terminate control wires between the UV Control Cabinet and the UV Junction Box. (COR 030)	\$2,360.55
10) Install conduits between the UV Junction Box and the UV reactors. (COR 031)	\$940.73
11) Install conduits and wiring between the MCC and the UV Control Cabinet. (COR 032)	\$654.68
12) Additional work performed to allow the UV Control Cabinet to receive the flow signal from the PLC. (COR 033)	\$6,077.17
13) Install air release valves and piping on the UV reactors, remove the 1-inch air/vacuum valve on the reactor discharge piping and add a 10-inch 90 degree bend at the lagoon discharge. (COR 034)	\$3,783.34
14) Additional work performed to re-assign register addresses at the PLC so the addresses reserved by the City are not used. (COR 035)	\$2,805.85
15) Re-configure the 10-inch pipe at the UV Building and add air release piping. (COR 036)	\$7,557.07
17) Bid Schedule Item 4 – Decrease Pile Length	\$(7,020.00)
18) Bid Schedule Item 6 – Decrease No. of Piles	\$(13,200.00)
16) Bid Schedule Item 7 – Increase in No. of Pile Load Tests	\$(600.00)
Total	\$37,146.29

This Change Order shall include all general contractor's overhead, profit and incidentals, and contractor shall not be entitled to any additional payment regarding this Change Order.

Estimated Cost: **Increase** \$37,146.29 **Decrease** _____ **No Change** _____

By reason of this order the time of completion will be adjusted as follows: 39 days

Recommended by: _____

Greg Blakely, Project Manager

Contract Summary:

Approved: **CITY OF OCEANSIDE**

Initial Contract Amount: \$3,662,949.35

BY: _____

Previous Change Orders: \$100,886.04

Scott O. Smith, City Engineer

This Change Order: \$37,146.29

Approved: ORION CONSTRUCTION CORPORATION

Contractor

Total to Date: \$3,800,091.68

Additional Appropriation Required: No

BY: *Hendi Andrews*

Original to: City Clerk

Copies to: **Accounts Payable**

Contractor

Inspector

File