



August 29, 2018

TO: LOCSD Board of Directors
FROM: Jose Acosta, Utility Systems Manager *JA*
SUBJECT: **Agenda Item 11H – 9/6/2018 Board Meeting**
Authorize Replacement of Pump and Panel at Bayridge Drainage and Panel Replacement at Don and Mitchell Drainage

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Vice President
Marshall E. Ochylski

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Renee Osborne

District Accountant
Robert Stilts, CPA

Unit Chief
Scott M. Jalbert

Battalion Chief
Greg Alex

DESCRIPTION

The Drainage systems under the responsibility of the District are in need of repairs and replacement of pumps and control panels. Staff has worked collaboratively, amongst the Field Operation Staff, Management Staff, and District Engineer to review the equipment and controls that have been in place prior to the LOCSD management of the drainage facilities.

STAFF RECOMMENDATION

This item will be approved along with the Consent Calendar unless it is pulled by a Director for separate consideration. If so, Staff recommends that the Board make the following motion:

Motion: I move that the Board authorize staff to replace the pump and panel at Bayridge drainage and panel at Don and Mitchell drainage, at the quoted price of \$43,982.49 from Alpha Electric Service.

DISCUSSION

Improvements to these facilities is vital for the safety of the citizens and the integrity of the flood areas within Los Osos. Improvement costs for all our drainage facilities have been discussed, presented and approved, through the Utilities and Finance Advisory Committees and the Board of Directors, with the 2018-2019 budget.

The Bayridge drainage basin is in need of pump and control panel replacements. The pump at this location stopped working in March of this year, repairs to the unit were going to be costly and not sensible financially. The control panel at this location is outdated, incomplete and oversized, and in need of replacement.

The Don and Mitchell drainage basin is need of a new control panel. The panel is deteriorating, outdated and in need of replacement.

The automated controls and alarm features are a vital part of proper operation of both of these facilities during a storm or flooding incident. The features allow efficient operation, rapid response from staff and reliable communication via our SCADA system. Another feature that is currently not in place, is a connection for emergency power supply. This feature would allow staff to connect an emergency generator to these sites in the event of an extended power outage, ensuring continuous operation, as required.

Attached is a copy of lowest bid, with all specifications, being satisfied, as well as correspondence from both vendors contacted. The following vendors were contacted and their responses:

Mailing Address:

P.O. Box 6064
Los Osos, CA 93412

Offices:

2122 9th Street, Suite 102
Los Osos, CA 93402

Phone: 805/528-9370

FAX: 805/528-9377

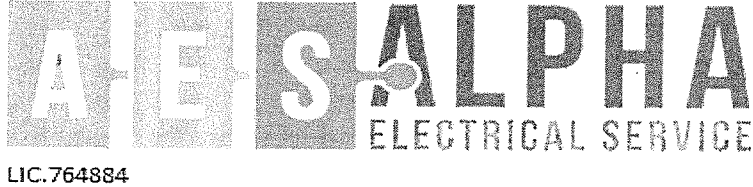
www.losososcscsd.org

1. Fluid Resource Management – Provided a quote, meeting all specifications, inclusive of panel replacement and upgrade for backup power, at both locations, and new pump at Bayridge, in the amount of **\$45,737.00.**
2. Alpha Electrical Service – Provided a quote, meeting all specifications, inclusive of panel replacement and upgrade for backup power, at both locations, and new pump at Bayridge, in the amount of **\$43,982.49.**

FINANCIAL IMPACT

The financial impact is estimated to be \$43,982.49, for the replacement of the pump and panel at Bayridge drainage and panel at Don and Mitchell drainage. Funding for the project will come from Fund 800, and was included in the 2018-2019 Fiscal Budget. Some reserves may need to be used.

Attachments



QUOTE*

Date: 4/6/18

Customer: Los Osos Community Services District

Subject: Don & Mitchell Storm Water Sump Control Panel Replacement

Scope: AES will provide marking for USA dig for locations for post holes for backboard. Remove existing control panel and install 6x6 Pressure treated post and build backboard using 2 x 12 pressure treated lumber. Provide and install a locking Stainless Steel Nema 4X enclosure/duplex control panel, inner door, disconnect switch, intrinsically safe relay for float switch control, seal failure, Hand Off Auto switches, push to test pilot lights for high water and M1 and M2 run indicator, hour meters, alarm reset, externally mounted vapor lights for high water, and Pumps 1 & 2 Run. Relocate and install existing manual transfer switch and pin & sleeve receptacle. Install 3 new float switches and test operation. AES will provide control schematics and provide operators with instruction.

Material and Labor: \$16,538.06

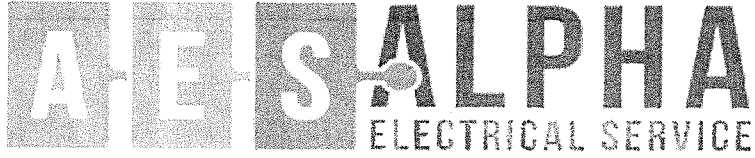
Kevin Piper / CEO
Alpha Electrical Service
PO Box 1978
Atascadero, CA 93422
cell 805-235-4728
kevin@alphaelectrical.com
www.alphaelectrical.com

* Quote is valid for 30 days unless a written exception is made by AES. All invoices are due and payable upon receipt. All balances 30 days past due shall be subject to finance charge of 1.5% per month.

Credit card payments will require a 3% processing fee.

Per California code of Regulations Title 8, Chapter 2. Sub Chapter IV all electricians are Certified Journeyman General Electricians.

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LIC.764884

QUOTE*

Date: 8/8/18
Customer: Los Osos CSD
Subject: Don & Mitchell Drainage Facility Transfer Switch

Scope:

#1) Install 100 amp manual transfer switch and use exiting Pin & Sleeve Receptacle for emergency back-up generator.

Includes material and labor: \$2,467.84

#2) Adder for replacing the Pin & Sleeve Receptacle

Material: \$1,604.67

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LIC. 764884

QUOTE*

Date: 4/6/18

Customer: Los Osos Community Services District

Subject: Bayridge Storm Water Sump Control Panel Replacement

Scope: AES will remove existing control panel, transfer switch and provide and install a locking Stainless Steel Nema 4X enclosure/simplex control panel, inner door, disconnect switch, Time-Mark controller and pressure transducer, seal failure, Hand Off Auto switch, push to test pilot lights for pump failure and pump run indicator, hour meter, alarm reset, externally mounted vapor light for pump failure. AES will remove existing bubbler tube and pull in new transducer using existing conduit. AES will provide control schematics and operators with instruction.

Material and Labor: \$16,648.76

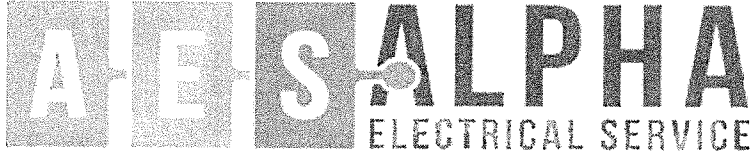
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LIC.764884

QUOTE*

Date: 8/8/18
Customer: Los Osos CSD
Subject: Bay Ridge Drainage Facility Transfer Switch and Pump

Scope:

#1) Replace existing pump with new 1 hp Liberty Effluent pump

Includes material and labor: \$2,421.28

#2) Install 100 amp manual transfer switch and Pin & Sleeve receptacle for emergency back-up generator.

Includes material and labor: \$4,305.88
(Material includes new transfer switch and Appleton pin & sleeve Receptacle)

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