



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: February 5, 2019

Agenda Item 6-K

Approvals:
City Manager [Signature]
Dept. Head [Signature]
Attorney [Signature]
Finance [Signature]

Department: Utilities
Prepared By: David Rebensdorf, Utilities Director DR

Subject: *AUTHORIZE A CHANGE ORDER FOR EMERGENCY PROTECTION OF LINDA LANE PUMP STATION, PROJECT No. 16209.*

Fiscal Impact: Yes. The estimated cost for the proposed emergency protection is \$75,000. A supplemental appropriation is needed from the Sewer Fund Depreciation Reserve in the amount of \$75,000 to account number 054-476-45300-000-16209. There is sufficient fund balance within the Sewer Fund Depreciation Reserve for this expenditure.

Summary: The City's Linda Lane Pump Station receives raw sewage flows from approximately fifty percent of the City's service area and is a critical facility for conveying sewage to the Water Reclamation Plant for treatment. The facility is located below the coastal bluff and adjacent to the Beach Trail just north of the Linda Lane cul-de-sac. Approximately three years ago a landslide occurred on the coastal bluff above the pump station. To protect the pump station, a 60 feet long and eight feet high soldier pile wall consisting of I-beams and wood lagging was constructed. The structure was designed as a temporary measure to slow the movement of soil and was not intended to stop an active landslide.

Due to the ongoing slope movement, Wright Construction Engineering Corporation was hired under an emergency project in June 2018 to install additional bracing and to modify the wood lagging on the northern and middle sections of the soldier pile wall for approximately \$120,000. The additional bracing has slowed the movement of the I-beams, but the landslide separated from the slope on the southern end and material is now impacting that section of the wall. To extend the life of the southern section of the wall, staff is recommending a change order to Wright Construction's Contract for up to \$50,000 on a time and materials basis or agreed amount to modify the wood lagging, drill a caisson and install steel supports to provide additional stability. An additional \$15,000 is being requested for ongoing geotechnical evaluation and inspection.

To better prepare for a catastrophic failure of the wall and impaired pump station, staff is recommending purchasing pipe to establish a bypass if needed for approximately \$6,000. The pipe is proposed to be located within a new fenced area to the south side of the pump station. If emergency bypass pumping becomes necessary, the City has a pump that can be utilized, although additional rental pumps will be required if a bypass becomes necessary in the future. An additional \$4,000 is recommended to

modify the fence and to purchase necessary appurtenances for the bypass pipeline connections.

A co-application signed by the property owner, two adjacent condominium properties and the City for regrading the slope was submitted to the California Coastal Commission in December 2018. If the slope reconstruction project is approved, an opportunity to partner with the immediate property owner and adjacent coastal bluff properties may be brought back to the City Council for consideration. The earliest reconstruction of the slope may occur is summer of 2019 pending final design and permitting. Unfortunately, the middle and northern section of the wall have reached its capacity limit according to LGC Geotechnical Engineers. Staff is recommending evaluating alternatives for design of another wall, grading or structure to protect the pump station if the full slope reconstruction is delayed or the soldier pile wall begins to fail.

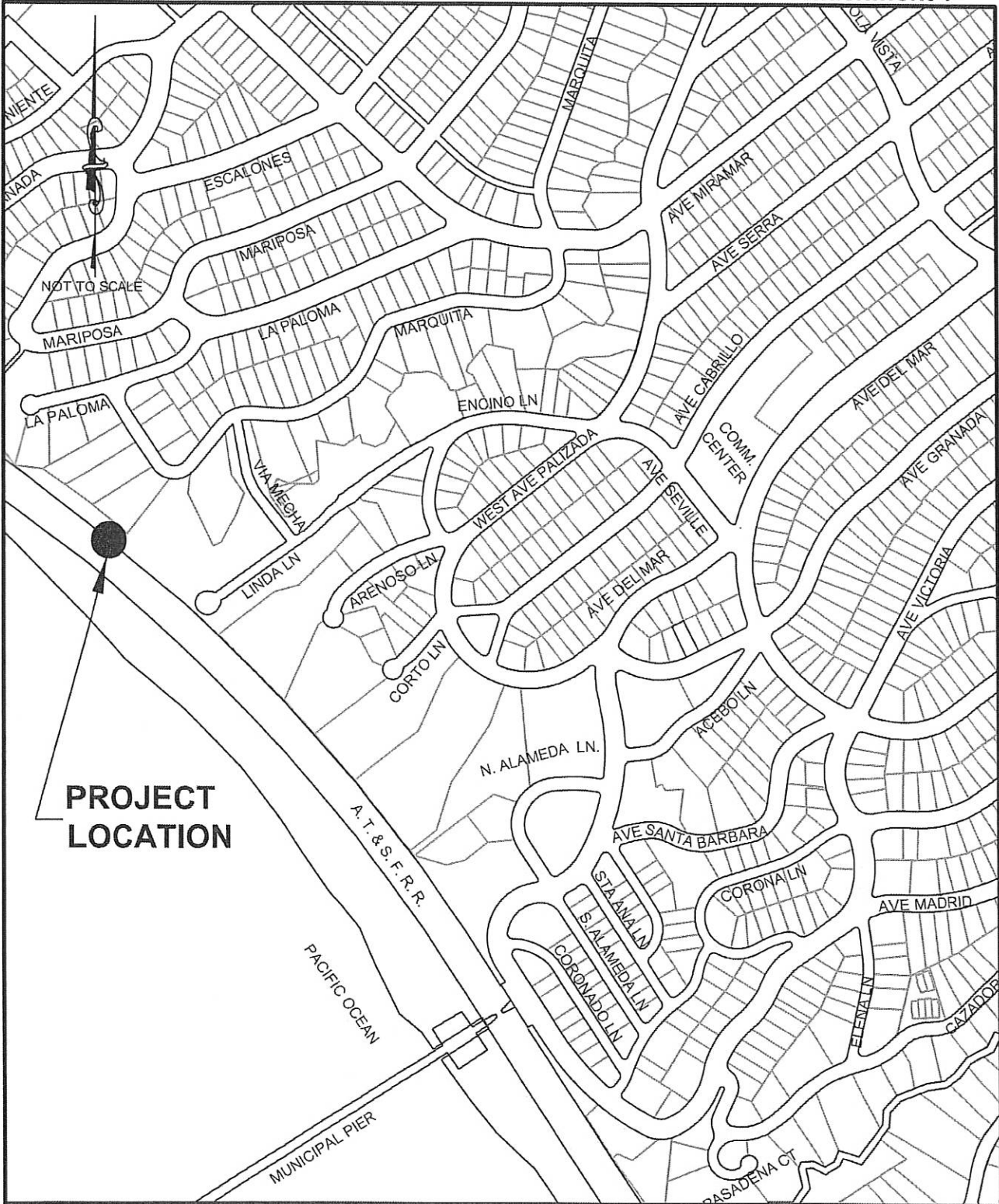
Recommended

Action: STAFF RECOMMENDS THAT the City Council:

1. Make a finding that an emergency exists due to the potential failure of an existing sewer pump station and that the situation requires immediate action to prevent or mitigate impairment to property and public services, that might otherwise occur if required to incur delays attributed to the typical engineering design and public competitive bidding process;
2. Declare that the public interest and necessity demand the immediate expenditure of public funds to safeguard public health;
3. Approve a supplemental appropriation in the amount of \$75,000 to account number 054-476-45300-000-16209 from the Sewer Fund Depreciation Reserve; and
4. Ratify the Emergency Construction Contract Change Order with Wright Construction Engineering Corp. for up to \$50,000 for the Emergency Protection for Linda Lane Pump Station, Project No.16209.

Attachments: Location Map.

Notification: None.



**PROJECT
LOCATION**



City of San Clemente

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LOCATION MAP
Emergency Protection for
Linda Lane Pump Station
P.N. 16209