

# STAFF REPORT



ITEM NO. 10

CITY OF OCEANSIDE

---

DATE: July 12, 2006

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **APPROVAL OF PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE LORETTA STREET WATERLINE REPLACEMENT PROJECT**

## **SYNOPSIS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Loretta Street Waterline Replacement project; and authorize the Public Works Director to call for bids.

## **BACKGROUND**

In April 2005, the City of Oceanside experienced a break in a critical line which serves the Francine Villa area (Exhibit A). The pipeline could not be repaired and/or constructed in the same alignment due to environmental and access issues. Therefore, the City designed a new 12-inch waterline in Loretta Street that is more accessible to City maintenance crews, and the project will be constructed with more reliable materials and construction methods. In order to complete this design, the City secured an encroachment permit with Caltrans with several waivers. The permit waived the requirement for a casing and will allow the City to make a longitudinal encroachment across Highway 76. These waivers drastically lower the cost to the City by \$540,000 and lowered the risk of failure of the horizontal directional drilling (HDD) during construction due to geotechnical constraints for the HDD installation.

Since the 1,450 linear feet of existing 12-inch steel pipe that failed is not currently operational, the only pipeline serving the Harbor and the Francine Villas development is an 8-inch waterline. This project will replace the failed 12-inch pipeline and serve as the primary water connection line to the Francine Villas development. Currently, the Francine Villas and Harbor areas do not have a looped water system and are relying on the smaller 8-inch back-up pipeline as the only water supply line. This is the reason for the urgency of this project.

## **ANALYSIS**

The main portion of the project is approximately 1,200 linear feet of 12-inch high density polyethylene (HDPE) pipe which will be installed using the HDD method. The HDD component of the project will be drilled from the north side of Loretta Street to the south

of Highway 76 onto the paved portion of Loretta Street. The HDPE pipe for the directional drill will be assembled, fused, tested, and pulled by HDD methods from the existing dirt road on the southwest property of Loretta Street and Highway 76. A right to enter permit has been secured for this purpose. This right to enter permit has a limited timeframe and therefore is also a driving factor for the project. The HDD alignment also goes under a private property located on the south east side of Loretta Street and Highway 76. A subterranean easement has been secured for this portion of the pipeline. The remainder of the work is all within public right-of-way. Along with the directional drill component of the project, approximately 2,150 linear feet of 12-inch waterline will be installed by conventional open-trench methods through Loretta Street on the north side of Highway 76.

The pipeline work includes chlorination, de-chlorination, hydrostatic testing, and quality testing. Other items of work include coordination with utility companies to locate facilities, excavation safety measures, making the connections to the City system, saw cutting, trench pavement and aggregate base removal and replacement, miscellaneous concrete removal and replacement, asphalt grinding and asphalt concrete overlay, traffic control, and repairing striping and markings.

Staff estimates that the construction of the Loretta Street Waterline Replacement project will take approximately 160 calendar days.

The plans and specifications are available for review in the City Manager's office and at the Engineering counter.

This project is exempt from the California Environmental Quality Act requirements.

**FISCAL IMPACT**

In the adopted budget for Fiscal Year 2005-2006, City Council approved an appropriation of \$1,116,500 for the Loretta Street Waterline Replacement Project. The engineer's estimate for total project construction is \$750,000, so adequate funds are available for the project.

**COMMISSION OR COMMITTEE REPORT**

The Utilities Commission approved staffs recommendation at its June 20, 2006 meeting.

**CITY ATTORNEY'S ANALYSIS**

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

**INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

**RECOMMENDATIONS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Loretta Street Waterline Replacement project; and authorize the Public Works Director to call for bids.

PREPARED BY:

  
\_\_\_\_\_  
Greg Blakely  
Administrative Manager

SUBMITTED BY:

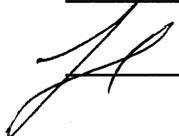
  
\_\_\_\_\_  
Barry E. Martin  
Interim City Manager

Exhibit A - Site Map

REVIEWED BY:

Michelle Skaggs Lawrence, Assistant to the City Manager

Lonnie Thibodeaux, Interim Water Utilities Director

\_\_\_\_\_  
  
\_\_\_\_\_

# Loretta Street Waterline Replacement

Exhibit A



No Scale

