

Legislation Text

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**CC MEETING:**      **March 17, 2015**

**DATE:**                      March 10, 2015

**TO:**                              Leonard Martin, City Manager

**FROM:**                        Cesar J. Molina, Jr., P.E., Director of Engineering

Consider Authorizing The City Manager To Approve A Professional Services Contract With Teague Nall & Perkins, Inc. For Development Of Erosion Control For Furneaux 1A Channel Improvements (From Menlo Park/Alameda Drive Intersection To The Confluence With Furneaux Creek Between McCoy And Old Denton Road) In An Amount Not To Exceed \$219,000.00.

**BACKGROUND:**

The north-south tributary of Furneaux Creek that bisects the Parks at Raiford Crossing development is subject to severe erosion due to sections of high slope at about the midpoint of the tributary. This property is owned by the City and requires stabilization to reduce erosive velocities, thereby reducing long-term maintenance.

These improvements will impact jurisdictional waters of the United States; therefore, permitting through the U.S. Army Corps of Engineers will be required. In addition, the aesthetics of the channel with respect to the Raiford development will require consideration to maximize the amenity value to the community. Previously considered concepts, such as inline ponds, will be considered as part of the design project.

**FINANCIAL IMPLICATIONS:**

Funding is available in the Raiford Project CIP account.

**IMPACT ON COMMUNITY SUSTAINABILITY:**

This project will contribute to community sustainability by:

- Improving water quality in streams, reducing the transfer of silt to downstream areas.
- Maintain channel flow capacities to minimize the potential for future flooding.
- Improve protection from erosion-related problems for homes and public infrastructure along the east side of the channel.
- A water-based amenity for the community.

**STAFF RECOMMENDATION/ACTION DESIRED:**

Staff recommends authorizing the City Manager to enter into a contract for professional engineering services for the development of Furneaux 1A Channel Improvements with Teague Nall and Perkins, Inc. in an amount not to exceed \$219,200.00.