



DATE: April 18, 2017

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Water Main to Serve 750 Moffett Boulevard, Project 14-21 – Approve Heritage Tree Removal and Mitigation and Amend Project Construction Funding**

RECOMMENDATION

1. Amend construction funding to be awarded from Annual Water Main Replacement, Project 15-21.
2. Approve the removal of and mitigation for 10 Heritage trees and replacement at a ratio of 2-to-1 with 15-gallon trees.

BACKGROUND

This project will provide water service, of which there currently is none, to the City-owned Ameswell (formerly Moffett Gateway) site located at 750 Moffett Boulevard.

On June 21, 2016, Council approved the project Plans and Specifications, authorized staff to advertise the project for bids, and authorized the City Manager to award a construction contract to the lowest possible bidder if the low bid is within the project budget. The project includes a 200' long, 12" diameter water main that must be bored (tunneled) under Moffett Boulevard to comply with Caltrans requirements. Staff opened bids on March 23, 2017, and the low bid of \$498,225 is within the \$530,000 construction budget. Staff will therefore award the construction contract to the low bidder, Stoloski & Gonzales of Half Moon Bay.

ANALYSIS

Staff is recommending that Council approve the removal of 10 Heritage trees as part of the project and amend the funding source from one capital project to another (without adding new funding).

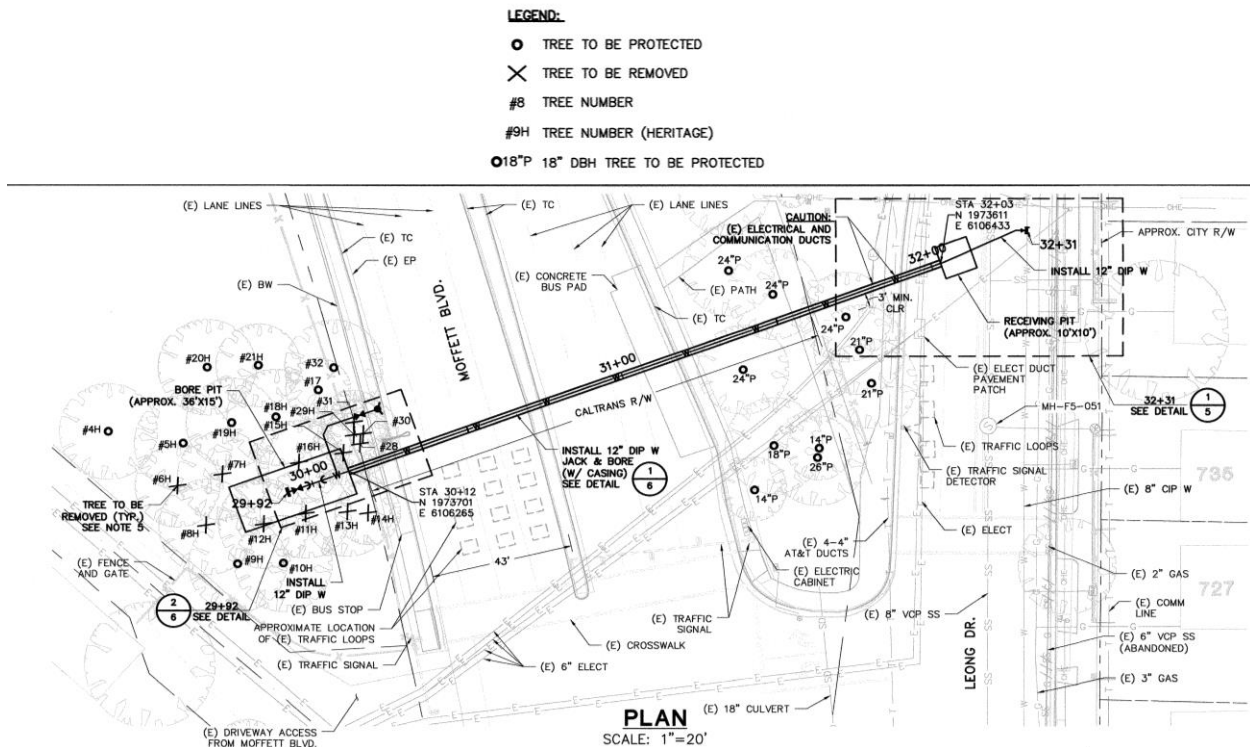
Heritage Tree Recommendation

Construction of the water main requires the excavation of a bore pit approximately 36'x15' to allow room for construction equipment. The location of the bore pit requires the removal of 13 trees, 10 of which are Heritage trees. The dimensions and types of Heritage trees proposed for removal are summarized in Table 1 and Exhibit A below. These trees were previously approved for removal with the 750 Moffett development project, but staff recommends removing them sooner so that the water service can be installed in advance of the development. Installing the water service now will provide water for the construction phase of the development.

Table 1 – Heritage Tree Removal Summary

| Tree No. | Trunk Diameter | Type |
|-----------------|-----------------------|--------------------|
| 6 | 19" | Canary Island Pine |
| 7 | 20" | Canary Island Pine |
| 8 | 22" | Canary Island Pine |
| 11 | 21" | Canary Island Pine |
| 12 | 21" | Canary Island Pine |
| 13 | 23" | Canary Island Pine |
| 14 | 9" | Coast Live Oak |
| 15 | 16" | Canary Island Pine |
| 16 | 18" | Canary Island Pine |
| 29 | 17" | Canary Island Pine |

Exhibit A – Heritage Tree Removal Map



On May 11, 2016, the Parks and Recreation Commission (PRC) recommended the City Council approve the removal of 10 Heritage trees and mitigation at a 1-to-1 replacement ratio with new 24" box trees.

The tree mitigation will be installed with the Stevens Creek Trail Landscaping Improvements, Project 11-34, which is scheduled for summer 2017. Smaller 15-gallon trees will be planted at 2-to-1 ratio, doubling the number of new trees planted, to allow volunteers from local community groups to assist with planting trees. A large number of trees will also be planted on-site as part of the development.

Project Construction Funding

Construction of the water main for 750 Moffett Boulevard was originally planned to be funded from the Annual Water Main Replacement, Project 14-21. However, other water utility improvements at McKelvey Park and Rengstorff Community Center have programmed moneys from Project 14-21 since this project was delayed due primarily to permitting issues. Staff requests this project construction be funded from Annual Water Main Replacement, Project 15-21. Project 15-21 is fully funded, so no additional appropriation is needed.

The estimated construction cost of the project is as follows:

| | |
|--------------------------------|------------------|
| Construction | \$530,000 |
| Construction Contingency (10%) | 53,000 |
| City Project Management | 58,300 |
| City Inspection | 46,640 |
| Miscellaneous | <u>5,830</u> |
| Subtotal | 693,770 |
| City Administration @ 6.5% | <u>45,095</u> |
| TOTAL PROJECT COST | <u>\$738,865</u> |

FISCAL IMPACT

The Annual Water Main Replacement, Project 15-21, is funded with \$2,165,000 from the Water Fund. The estimated construction cost of the project is \$738,865, and there is sufficient funding for the recommended action.

ALTERNATIVES

1. Defer construction.
2. Provide other direction.

PUBLIC NOTICING

Agenda posting. Staff also posted notices on the Heritage trees identifying them for removal, and information related to the tree removal was posted on the City's Urban Forestry website.

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908-04-18-17CR-E