

Baihly Woodland 8th Subdivision Ravine Stabilization and Pond Rehabilitation (J6701)

This project is anticipated to start in September 2019 and be completed in May 2020.

City Pond No. 31 and connected storm sewer infrastructure were constructed in 1991 for rate control and stormwater conveyance, respectively, as part of the Baihly Woodland 8th Subdivision. A storm sewer outfall that drains Baihly Hills DR SW and connected roadways/residential development is located immediately east of Baihly Hills DR SW and routes stormwater to City Pond No. 31 via an open channel that has severely eroded over time. Erosion has occurred between the storm sewer outfall and pond because of continued development within the watershed causing increased stormwater volumes. The build out of the watershed has only exacerbated the potential for erosion due to the discharge of stormwater over a steep slope composed of highly erodible soils with no vegetation due to the heavy tree canopy. Because the eroded channel material accumulates in the dry detention basin, this facility has required extensive maintenance three times since 2005, i.e. the eroded channel material has been removed three times. Maintenance is required again for proper function and the prevention of further damage due to overtopping of the dry detention basin during large rainfall events.

This project will consist of installing storm sewer within an existing drainage easement that will connect the outlet of the existing storm sewer outfall located immediately east of Baihly Hills DR SW and a downstream dry detention basin. The project will also include restoration of eroded areas within and/or adjacent to the existing easement.

Project Benefits

The project will benefit the surrounding neighborhood and watershed by (1) eliminating erosion within the ravine (drainage easement) by conveying stormwater to the dry detention basin via storm sewer, (2) maintaining the flood storage capacity within the dry detention basin, (3) improving water quality, and (4) reducing required maintenance by City staff at this location and downstream stormwater management facilities.

Project Cost and Funding

The estimated project cost is approximately \$70,000. Funding for this project is derived from the Storm Water Utility reserve.

Construction Impacts

Impacts to vehicle traffic:

- Minor traffic impacts are anticipated along Baihly Hills Drive SW, which serves as the primary access route to the construction project. The contractor will be required to maintain access on the street throughout construction.

Project Contacts

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Project Location

