# Tannehill Branch Creek at Givens Park Erosion Repair Project

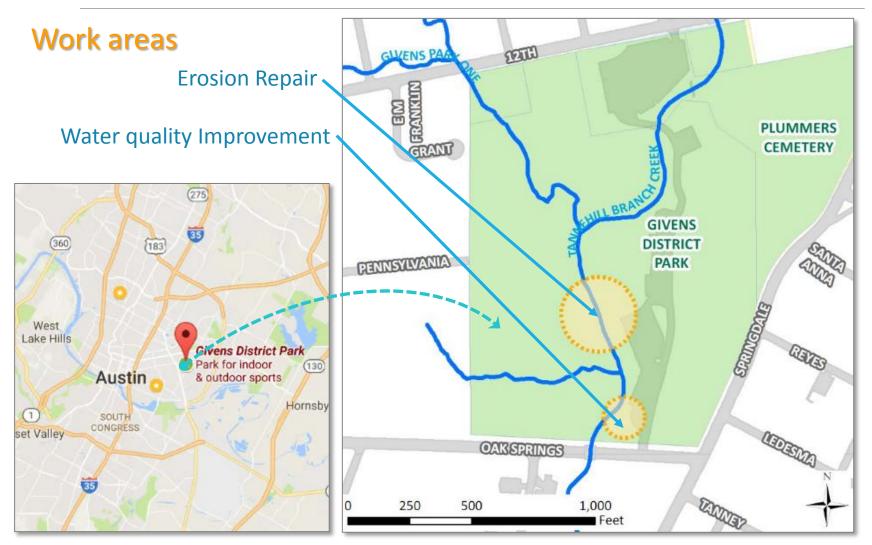
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PRESENTATION TO PARKS BOARD

1/23/2018



### Location





### Goals



# Protect park land, trees, and picnic bench from erosion



### Goals



### Improve water quality of Tannehill **Branch at Givens Park**







#### Tannehill Branch at Givens Park: 1940 vs 2017



## Legend Existing tree Proposed tree ---- Limit of construction **Native Plantings** Bank stabilization and riparian **Existing curb inlet** Rain Garden Oak Springs Drive

### Proposed Solutions

 Stabilize the eroding stream bank and restore the natural stream

 Construct a landscaped rain garden to capture and filter erosive, polluted parking lot runoff



### Proposed stream restoration



## Proposed rain garden

- ☐ 6200 SF rain garden
- ☐ Rebuild about 90 LF of curb & gutter and stabilize about 20 LF of streambank
- ☐ Total of 15,000 SF of parkland temporarily used



Example – sod only - dry



Example – native plants - during rain



Staging

### Trees



- ☐ 1 tree (10" crape myrtle) to be removed
- Park has already lost large trees due to erosion; stabilizing streambank will protect existing trees
- Trees in or near Limit of Construction will receive tree protection during construction
- Tree seedlings will be planted in channel revegetation areas



## Project Timeline

Project Design

• 2016 - 2017

Permitting

• 2018

Construction by WPD crew

• Summer 2018 – Winter early 2019

Vegetation Establishment

• 2019 & beyond



### Request

- Construct permanent streambank stabilization and rain garden on approximately 19,700 SF of parkland within the Tannehill Branch floodplain
- Use additional 27,300 SF of parkland for temporary construction access and staging
- (Total of 47,000 SF of parkland over ~6 month construction period)







