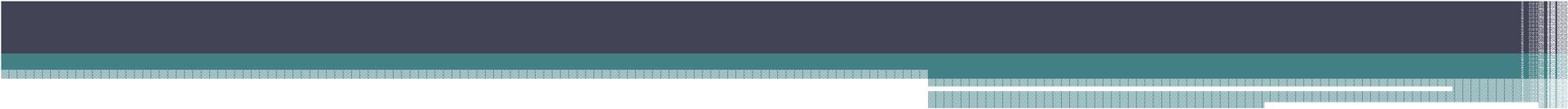


Whispering Valley Drive and West Cow Path Flood Hazard Mitigation

Watershed Protection Department
Town Hall Meeting
March 31, 2015

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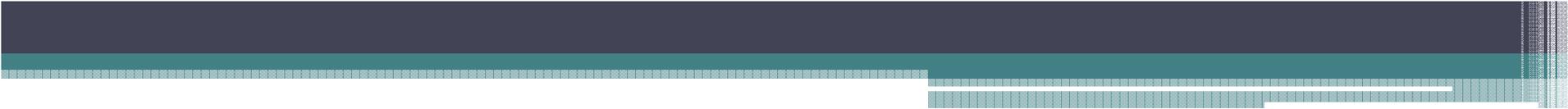




Agenda

- Project Background
- Project Status/ Next Steps
- Communications

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Background

- Several houses along Whispering Valley Drive have experienced flooding during recent storm events
 - September 2010, July 2012, and October 2013
- Railroad crossing, currently an 8 foot by 7 foot culvert, does not provide adequate conveyance of water during large storm events, causing water to back up behind the crossing



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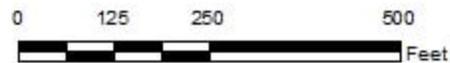






Whispering Valley Flooding

-  Railroads Centerline
-  Street Address Centerline
-  Ponds
-  Properties At Risk of Flood
-  COA Fully Developed 100-Year Floodplain
-  COA Fully Developed 25-Year Floodplain



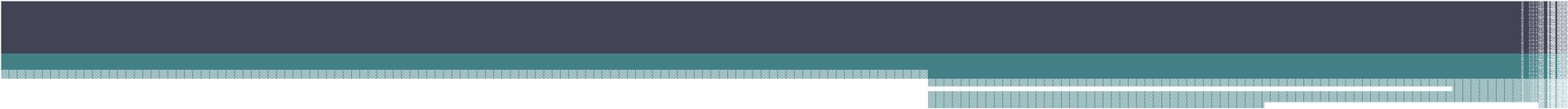
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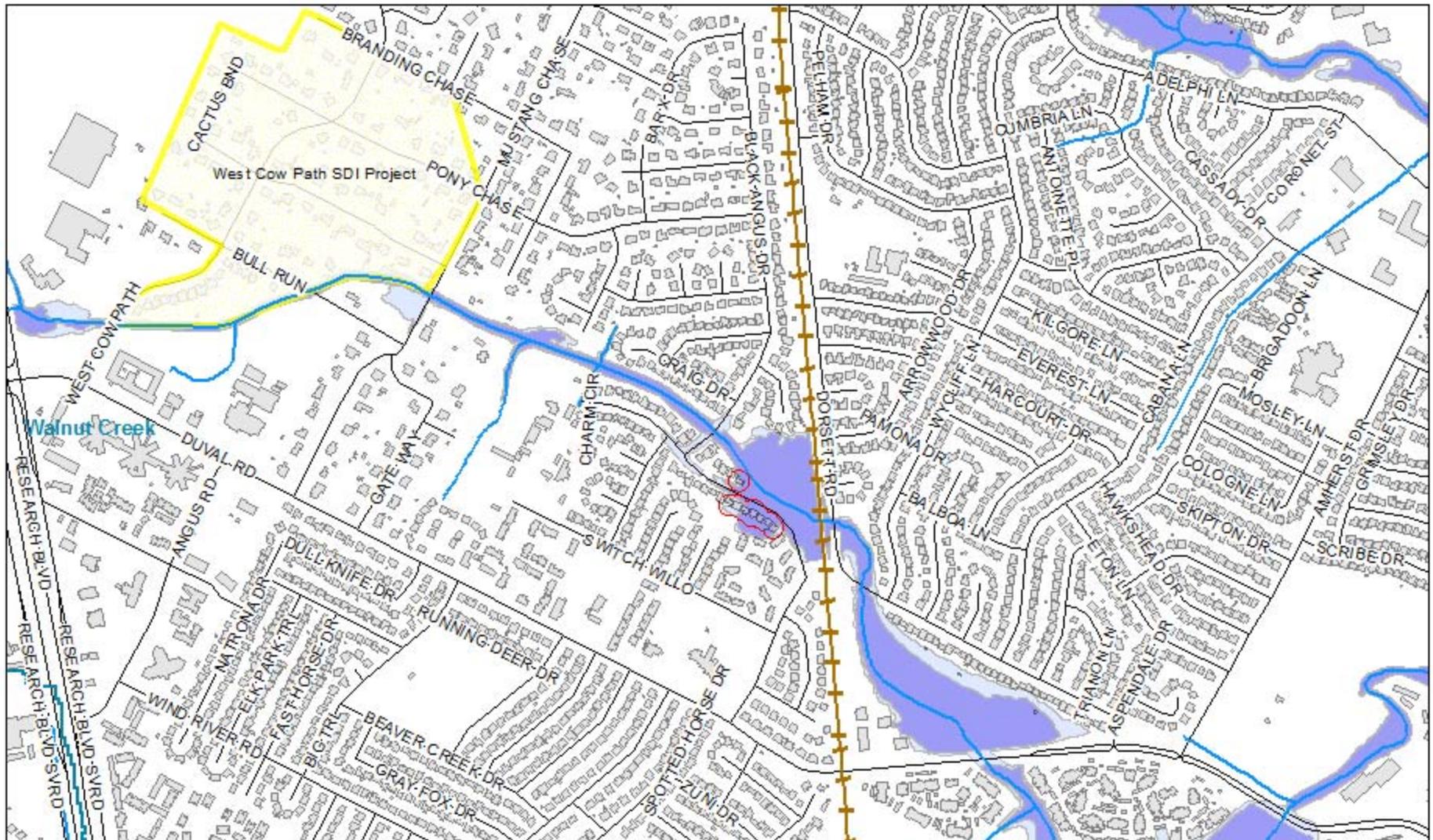
History

- Homes built in 1980, 1993/1994
- Whispering Valley Condominiums built in 1999
- The Cottages of Champion Forest built in 1998/1999
- Current floodplain in effect since 2008



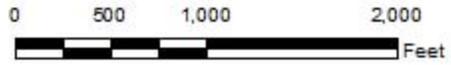
Project Overview

- Two-phase project
- **Whispering Valley Flood Mitigation (Phase I)**
 - 8 homes at risk
 - Undersized Union Pacific Railroad (UPRR) crossing opening
 - Bridge located within UPRR right-of-way
 - Partnership project with railroad
- **West Cow Path Storm Drain Improvements (Phase II)**
 - Undersized/non-existent storm drain system
 - Building and yard flooding reports from several properties
 - High priority area for storm drain group



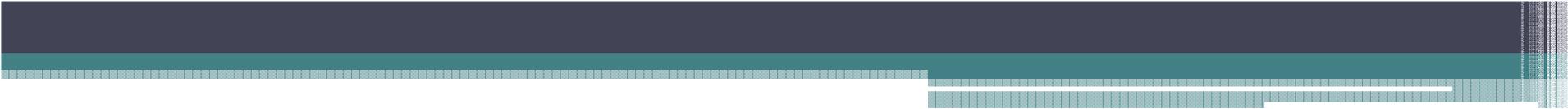
Project Area Overview Map

- Railroads Centerline
- Street Address Centerline
- West Cow Path Storm Drain Improvement
- Properties at risk along Whispering Valley
- COA Fully Developed 100-Year Floodplain
- COA Fully Developed 25-Year Floodplain



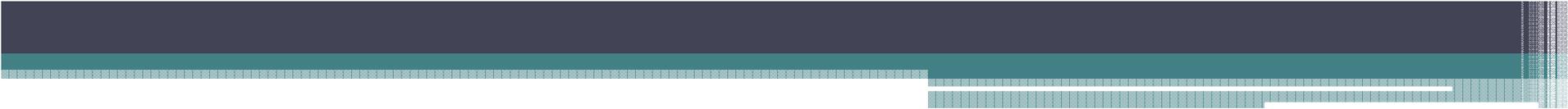
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Current Status

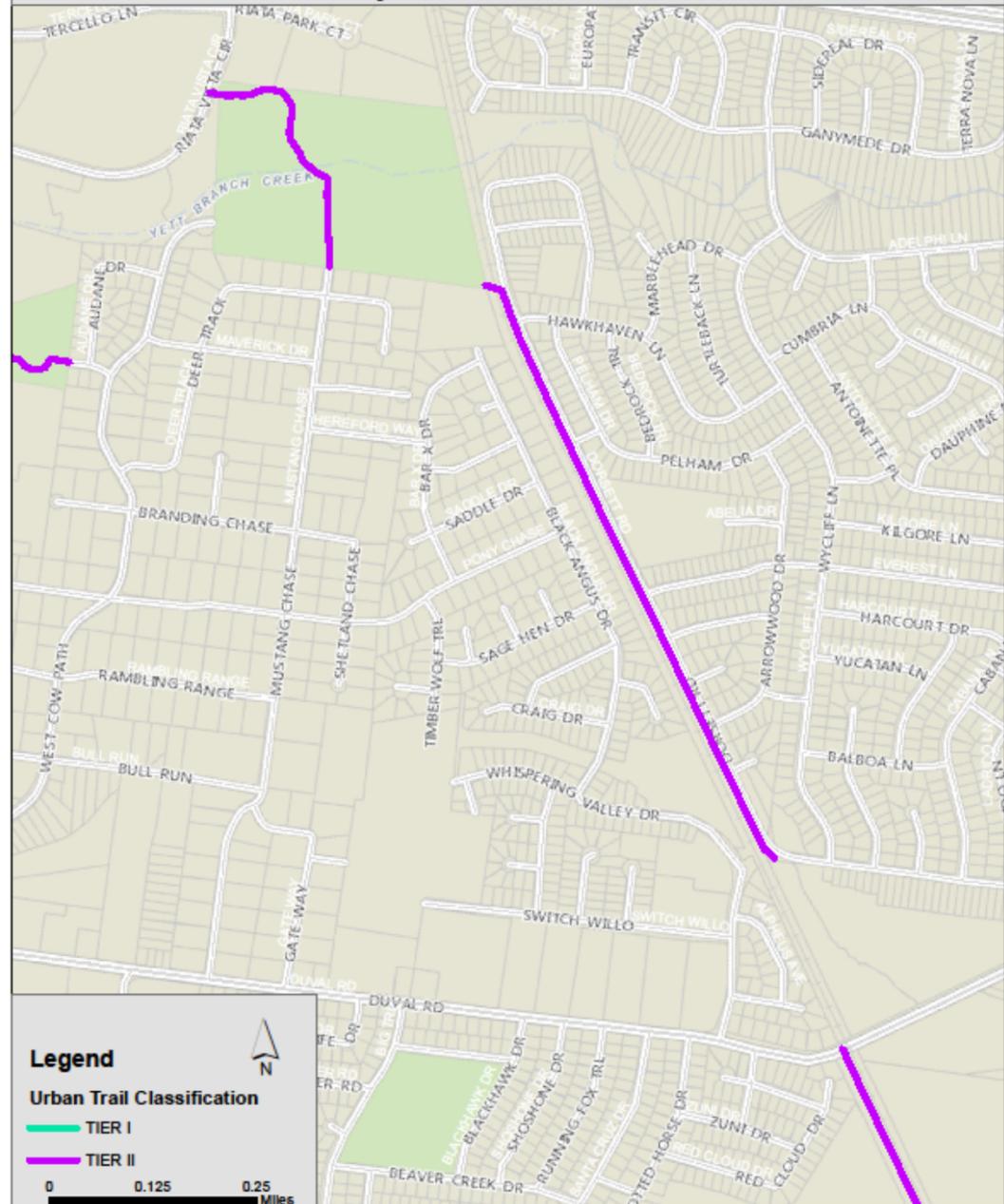
- Ongoing drainage study by RPS
- Bridge schematic received from the railroad
- Meeting held with City & the railroad attorneys to discuss partnership agreement



Phase I Drainage Study

- Improvement of railroad crossing for flood mitigation along Whispering Valley & West Cow Path
 - Inclusion of future flow from upstream storm drain improvement
 - Determination of needed crossing size
- Mitigation of downstream impact
 - Potential in-line regional detention sites
 - Champions Forest Homeowners lot
 - Duval Pond
 - Easement acquisition
- Potential Water quality and Trails integration

Walnut Creek - Whispering Valley Adjacent Urban Trails



The connection shown in the map provided is CONCEPTUAL in nature and does not show the preferred location of a crossing.

The Urban Trails Master Plan does its best to provide off-road connections that get people to places using active transportation.

The connection that was included in the Urban Trails Master Plan (and shown on the map) is no longer viable as the UP Railroad seems to have removed the connection that was previously there and has double tracked the crossing, making crossing the tracks at this location less likely and potentially less safe.

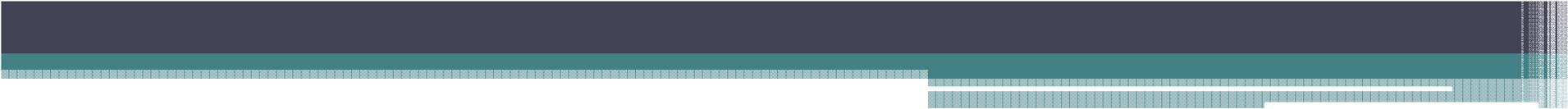
Next Steps

- Complete drainage study
- Funding
- Cost Participation Agreement with the railroad
 - Council Approval
- Downstream mitigation to be performed
 - New Detention Pond – Champion Forest Site
 - Existing Detention Pond – Duval Pond
 - Easement acquisition
- Railroad will design the bridge (concurrent with downstream mitigation)
- Railroad will construct bridge



Communication

- Planned project website
- Email updates
- Public meetings at key stages of project
- Sponsor contact
 - Reem Zoun, PE, CFM
 - Reem.zoun@austintexas.gov
 - (512) 974-3354



Questions?