

**TRANSPORTATION &
CAPITAL IMPROVEMENTS
(TCI)**

**BARBARA DRIVE
DRAINAGE PROJECT
AUGUST 27, 2015**

Presented by David Pulido, P.E., TCI Project Manager
Location: Family Center of the Blessed Sacrament Church
600 Oblate



Agenda

- **TCI Introductions**
- **Barbara Drive Project**
 - Project Information
 - Existing Conditions
 - Project Map
 - Planned Improvements
 - Project Schedule/TCI Contact information
- **Public Comments and Questions**

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TCI Introductions

City Council District 1

Councilman Robert Trevino

TCI Management Team

Art Reinhardt, P.E. – TCI Assistant Director

David Pulido, P.E. – Project Manager

Katy Otto, P.E. – Project Engineer

Peter Rodriguez – Capital Projects Officer

Design Consultant – Civil Engineering Consultants

Melissa Byler, P.E. – Design Project Manager

Kristina Saenz, P.E. – Design Engineer

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Project Information

Goal: Reduce flooding in the Barbara Dr. area and along McCullough Ave

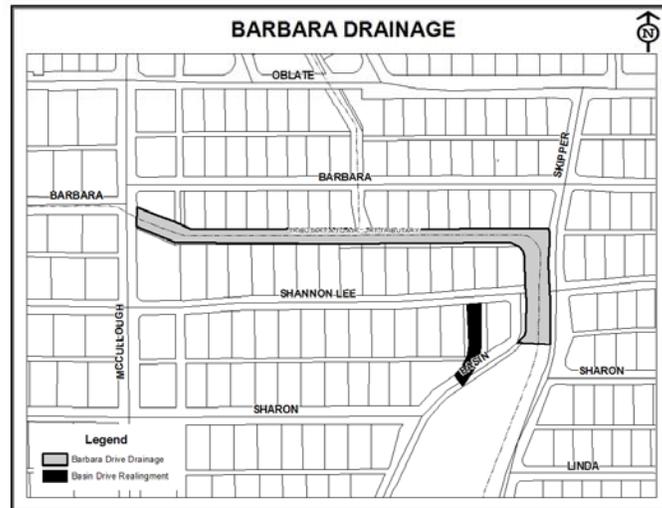
Scope: Construct an open channel to convey the 100-yr flood condition

Project Limits: 200th block of Barbara Drive/300th block of Shannon Lee between McCullough and Skipper Drive

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Existing Conditions



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Existing Conditions



Existing channel conditions:
Insufficient capacity and deteriorating conditions

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Existing Conditions

Existing channel conditions:
Channel converts into closed system



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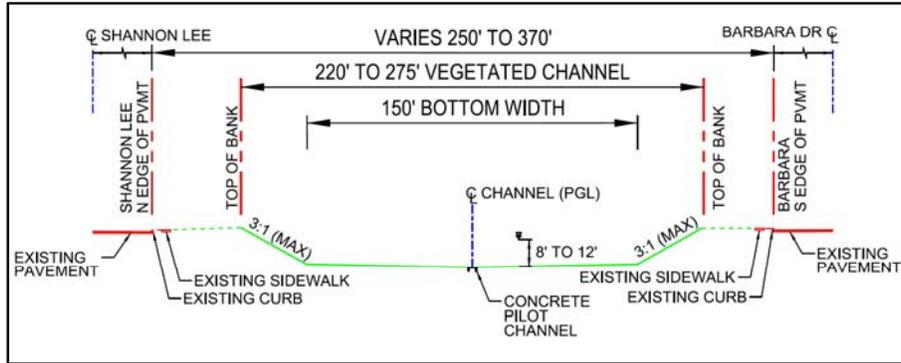
Planned Improvements

- Construct approx. 1,700 feet open channel
 - 150 feet wide at flow line
 - Earthen/vegetated
 - Trapezoidal shape
 - 3:1 side slopes
 - Concrete pilot channel
- Tree plantings and vegetation
- Sidewalks and ADA compliant ramps
- Utility adjustments/improvements

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Planned Improvements



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Planned Improvements

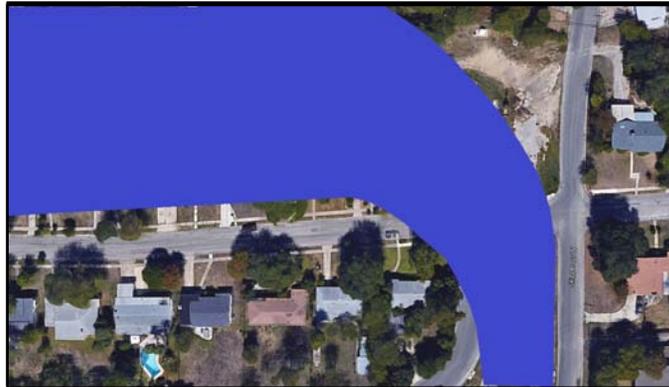


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Planned Improvements

- **Shannon Lee closure at channel**
 - Access to/from McCullough via Barbara Drive
 - Access to Oblate via Skipper Dr. E/W
 - Reduces number of drive-thru traffic



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Planned Improvements

- **Basin re-alignment**
 - Will provide access to McCullough
 - Eliminates dead-end condition



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Planned Improvements



Conceptual landscaping

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Planned Improvements



Conceptual landscaping/sidewalks

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Project Progress

To Date

- TCI Real Estate has acquired 33 properties
- Begun structure demolition;
 - As of August 11th, eight (8) have been demolished with additional twelve(12) pending
 - Maintaining remaining lots until demolition
- Reached the 40% Design Milestone
- Initiated utility coordination

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Project Progress

What's next?

- Final property acquisition
- Structure demolition will continue
 - All lots will be maintained until demolition
- Design will conclude in September 2016
- Permitting process
- Continue public notification
- Continue utility coordination and begin relocations

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Project Progress

And then?

- Bid project

- Begin construction; currently scheduled for January 2017; approximate 17 month duration; will hold public meeting prior

- Maintenance
 - From top of channel bank to flow line – Storm Water Maintenance
 - From top of channel bank to curb/roadway – Storm Water or Parks, depending on final improvements

- FEMA Process – LOMR

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Project Schedule/Contact Information

Barbara Drive Drainage Schedule

Estimated design completion	September 2016
Estimated construction start	January 2017
Estimated construction completion*	May 2018
Estimated construction duration*	17 months
* Weather permitting	

For information in regards to the project during the Design Phase:
Please contact: Peter Rodriguez – TCI Capital Projects Officer at 210.207.8154
Pete.Rodriguez@sanantonio.gov

If you would like to be added to an e-mail list for project updates or future meeting announcements, please ensure you fill out the sign-in sheet and check the permission block.

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Questions or Comments



TCI Thanks You for Your Attendance