

Swann Street Public Meeting

April 27, 2017

Introductions



City of Raleigh Staff

- David Kiker, PE, Engineering Services
- Veronica High, PE, Engineering Services
- Sarah Beth Gentry, Real Estate
- Kristin Freeman, Engineering Services

WK Dickson Staff

- Scott Sigmon, PE
- Marc Horstman, PE

Overview



- ✓ Project Goals
- ✓ Recommended Drainage Improvements
- ✓ Permitting
- ✓ Construction Expectations and Challenges
- ✓ Proposed Schedule
- ✓ Easement Acquisition Process
- ✓ Questions & Answers
- ✓ Break Out Sessions

Project Goals



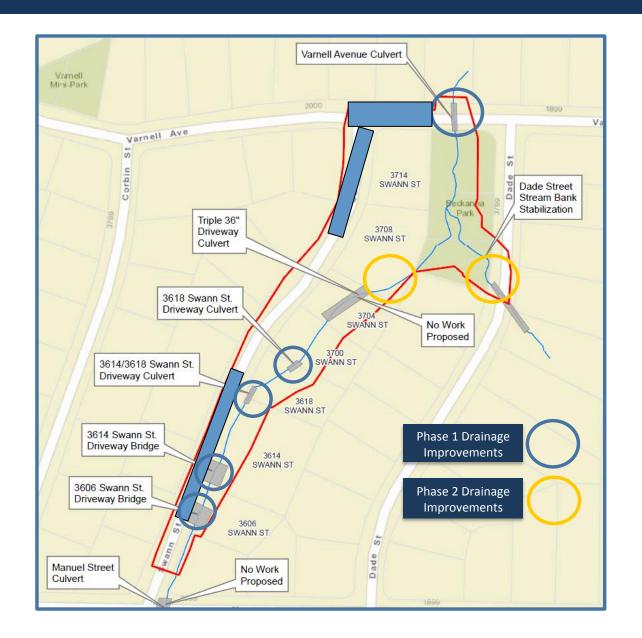
Eliminate roadway flooding

Minimize crawl space & first floor flooding of homes

Improve access to homes

Stabilize banks of main channel



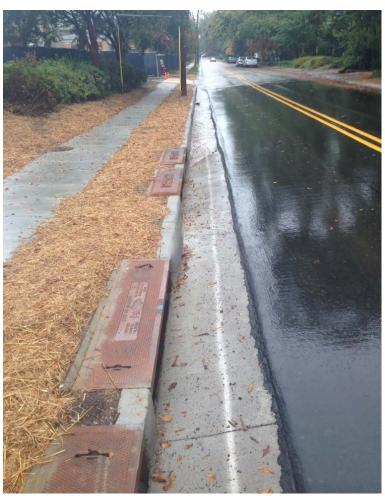


5



Optimized Inlet Installation

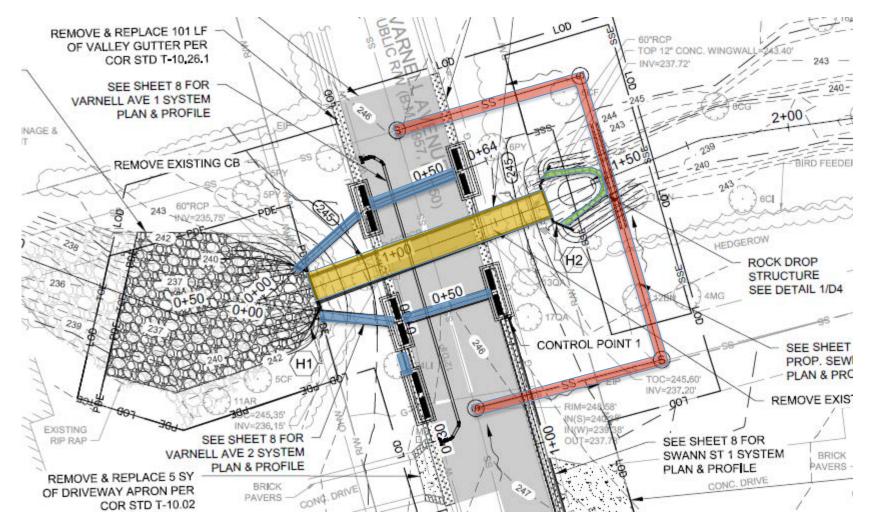




After

Before





Varnell Avenue Upsizing (60" RCP to a 72" RCP)





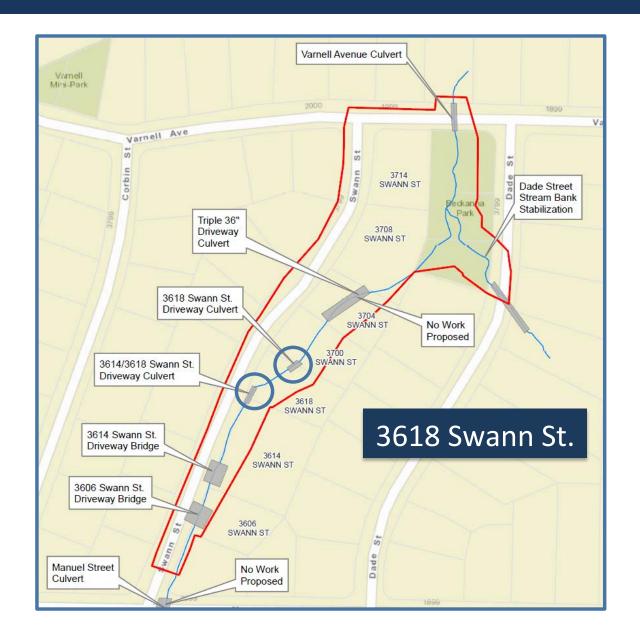




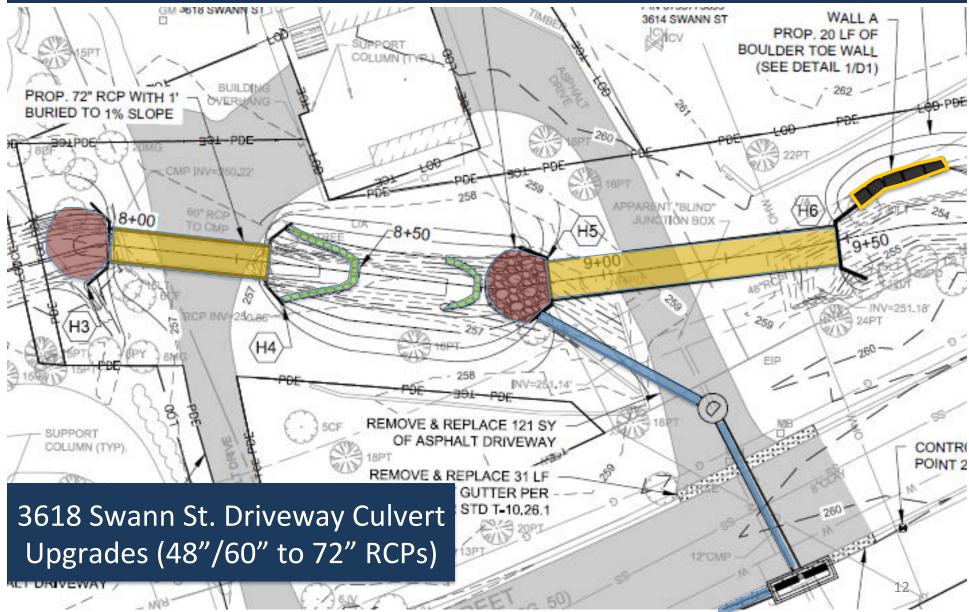




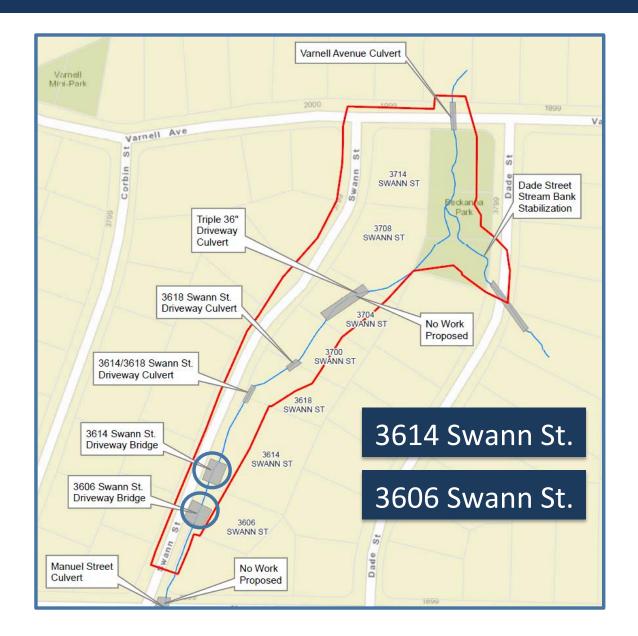


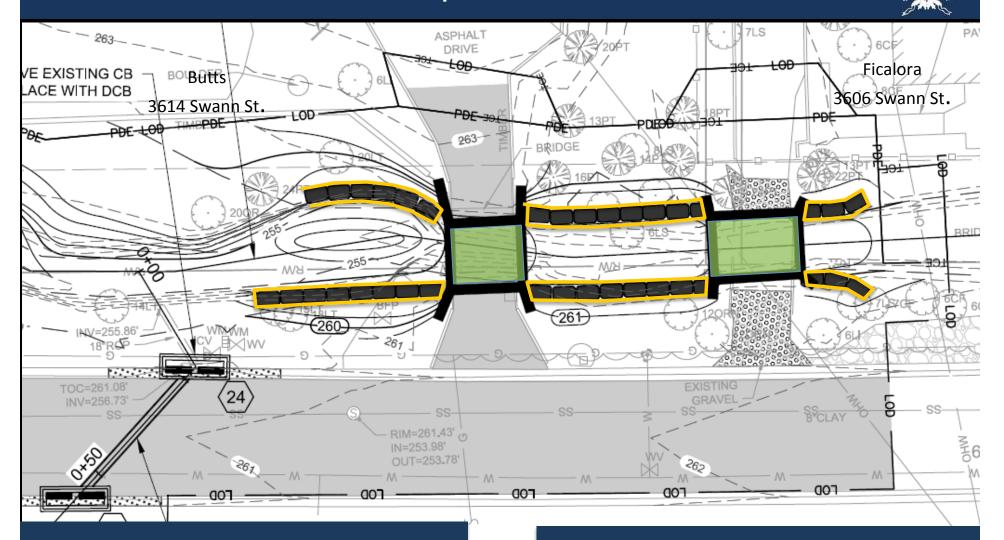












W/A

3614 Swann St. Driveway Bridge Replacement and Boulder Walls

3606 Swann St. Driveway Bridge Replacement and Boulder Walls











Coir Fiber Liner & Live Stakes

Construction Examples





Construction Examples





Construction Examples

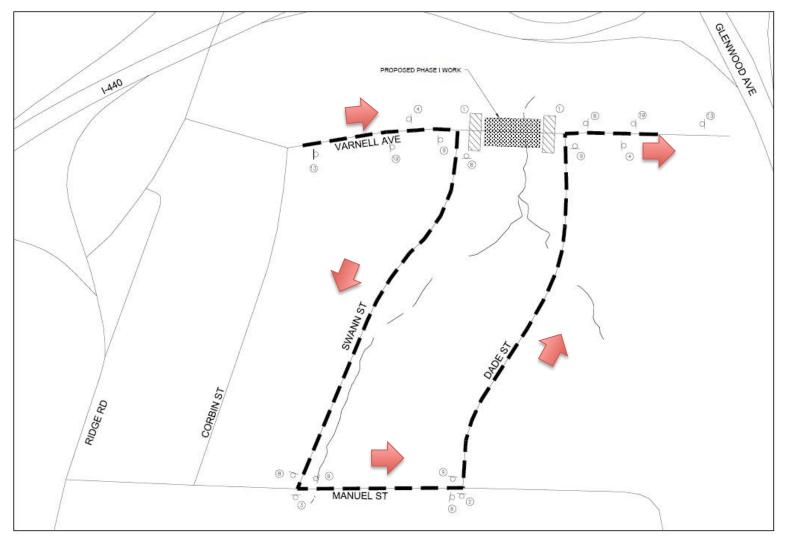




Varnell Road (Phase I) Closure



PHASE I VARNELL AVENUE CLOSURE



21

Swann Street (Phase II) Closure

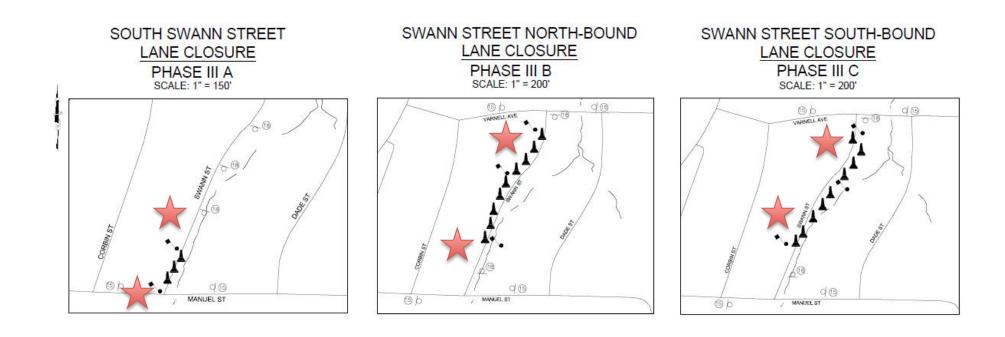


PHASE II SWANN STREET CLOSURE





Swann Street (Phase III) Lane Closure



Schedule



Task	Date
Complete 70% Design Plans	February 2017
Acquire Easements	April – June 2017
Secure Environmental Permits	June 2017
Finalize Design Plans	October 2017
Relocate Private Utilities	Nov 2017 – April 2018
Prepare Project For Bid	December 2017
Council Approval of Bid	July 2018
Begin Construction	August 2018

Easement Acquisition Process



- Easement Definition:
 - Right granted from a property owner to another for a specific use of a portion of the owner's land.
 - Utility operators (gas, electric, sewer, etc.) often have easements for the purpose of installing and maintaining the utility lines and structures.
 - As with most utility easements, storm drainage easements are permanent and run with the land (i.e. survive any sale of the property).
 - Generally requires the property owner to give up certain rights, such as building permanent structures within the easement to allow for proper function of the system and maintenance access.
 - Allows projects to be cost effective and maximizes flood reduction benefits.

Questions?



David Kiker, PE

City of Raleigh Stormwater Management Division Main Phone: 919-996-3940 Direct Line: 919-996-4074 E-mail: David.Kiker@raleighnc.gov

Raleighnc.gov Search: "Swann Street Drainage Improvements"