

TOWN CREEK CULVERT

CITY OF GREENVILLE, NC



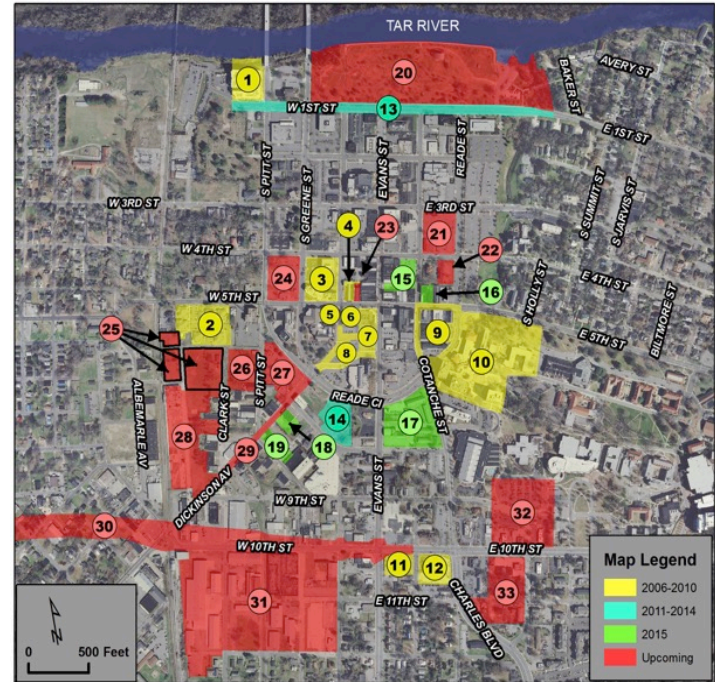
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Uptown Development

\$600M Investment
Underway/
Completed in the
Uptown District

Town Creek Culvert
Runs Through the
Heart of Uptown

Town Creek Culvert is
a Vital Component of
this Investment!



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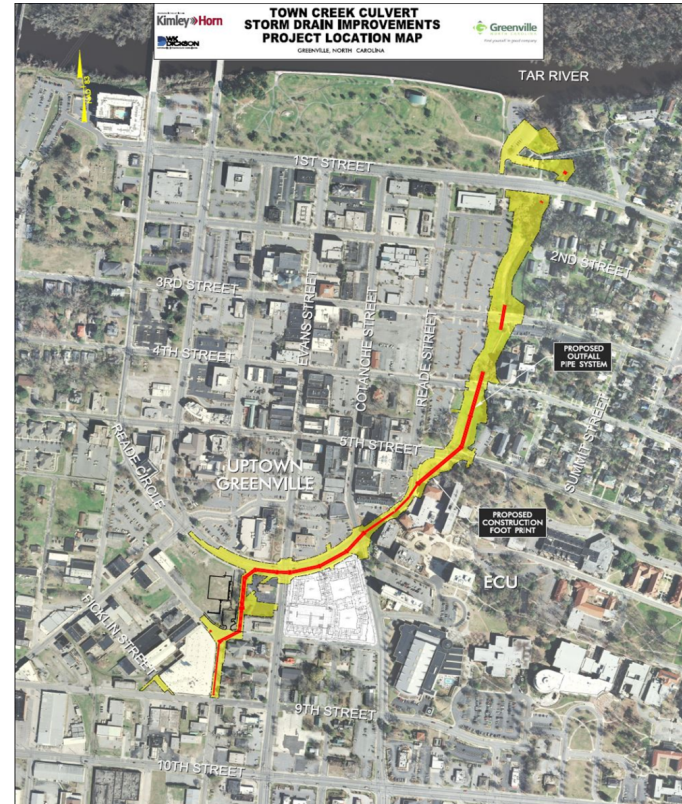
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Need for Replacement of Town Creek Culvert

Aging Infrastructure
(1930s) – Road
Failures

Added Flow From
NCDOT 10th Street
Connector

Existing Capacity -
System Undersized



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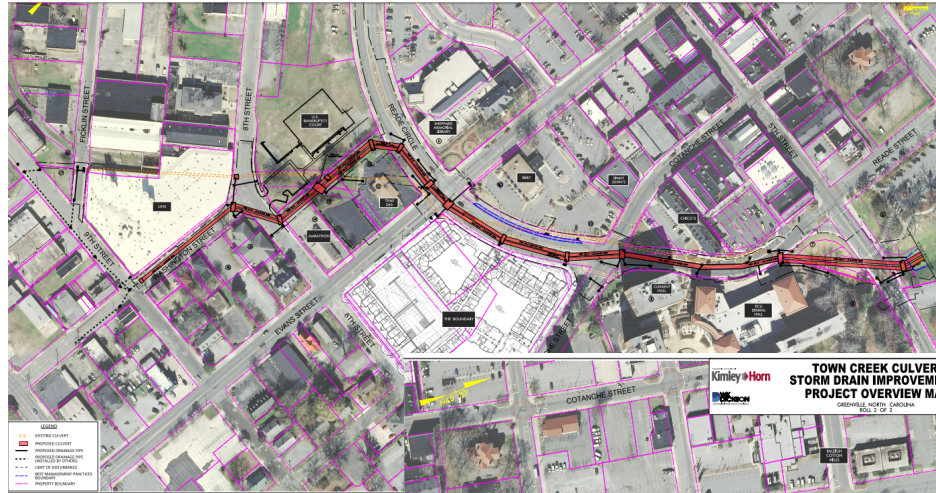
August 2017 Storm



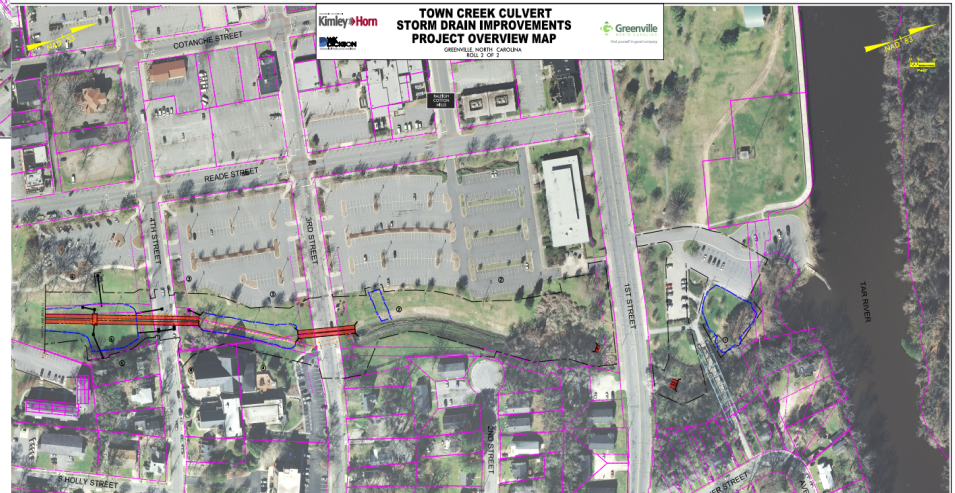
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Town Creek Culvert Routing 9th & Washington



Upstream begins
at
9th & Washington



Discharge is at
Tar River



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Sustainable Greenville

- Project has many Green Infrastructure components
- Recipient of a Green Infrastructure Award
- Green Infrastructure – Less costly to build and is reason for zero interest loan (largest in state history)
- Green Infrastructure - Removes nutrients before they are discharged to the Tar River



Green Infrastructure

Constructed Wetland



Bio-retention Cell



Green Infrastructure

Inlet Capture
Device



Permeable Pavers

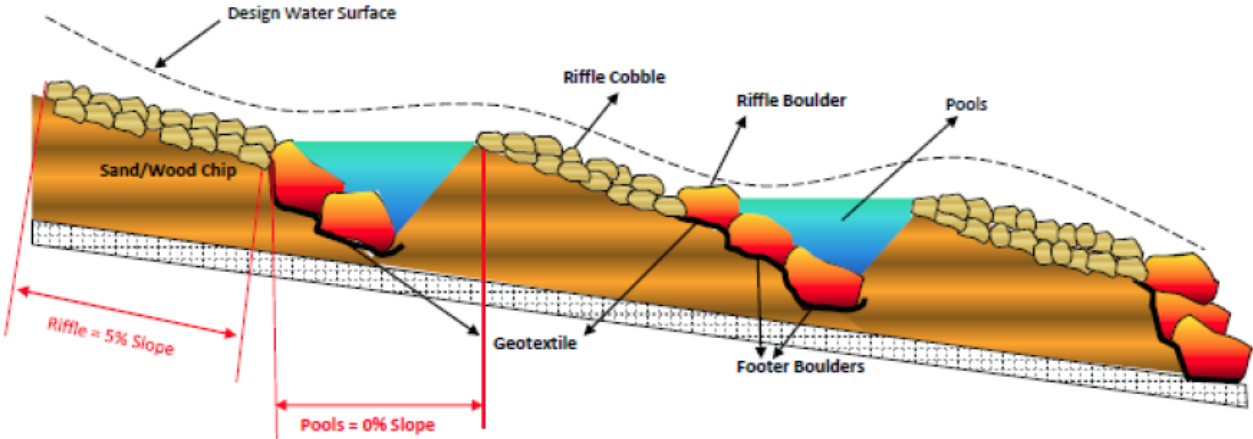


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Green Infrastructure

Regenerative
Stormwater
Conveyance



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Construction

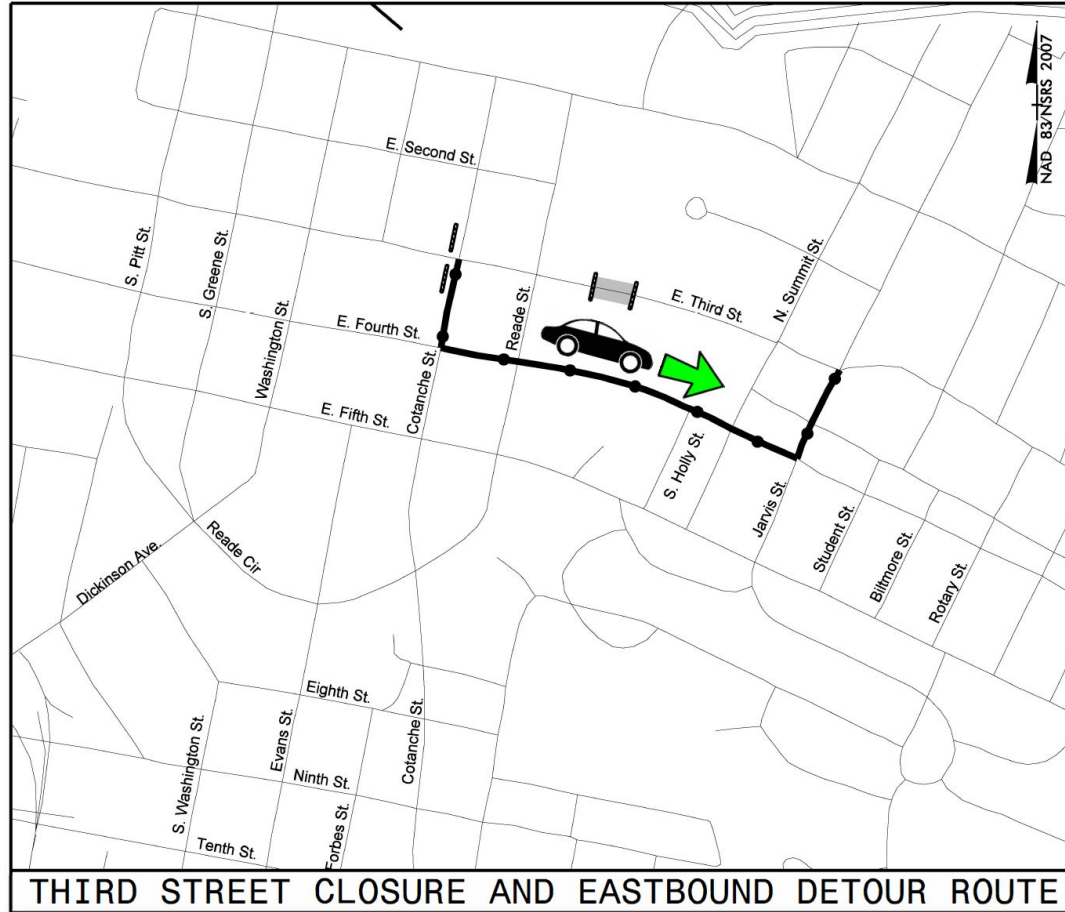
Large Reinforced Concrete (RCP) pipes will replace existing culvert – some 25-ft deep

84-inch RCP weighs 2,500 lbs. per foot

Contract Duration = 30 Months



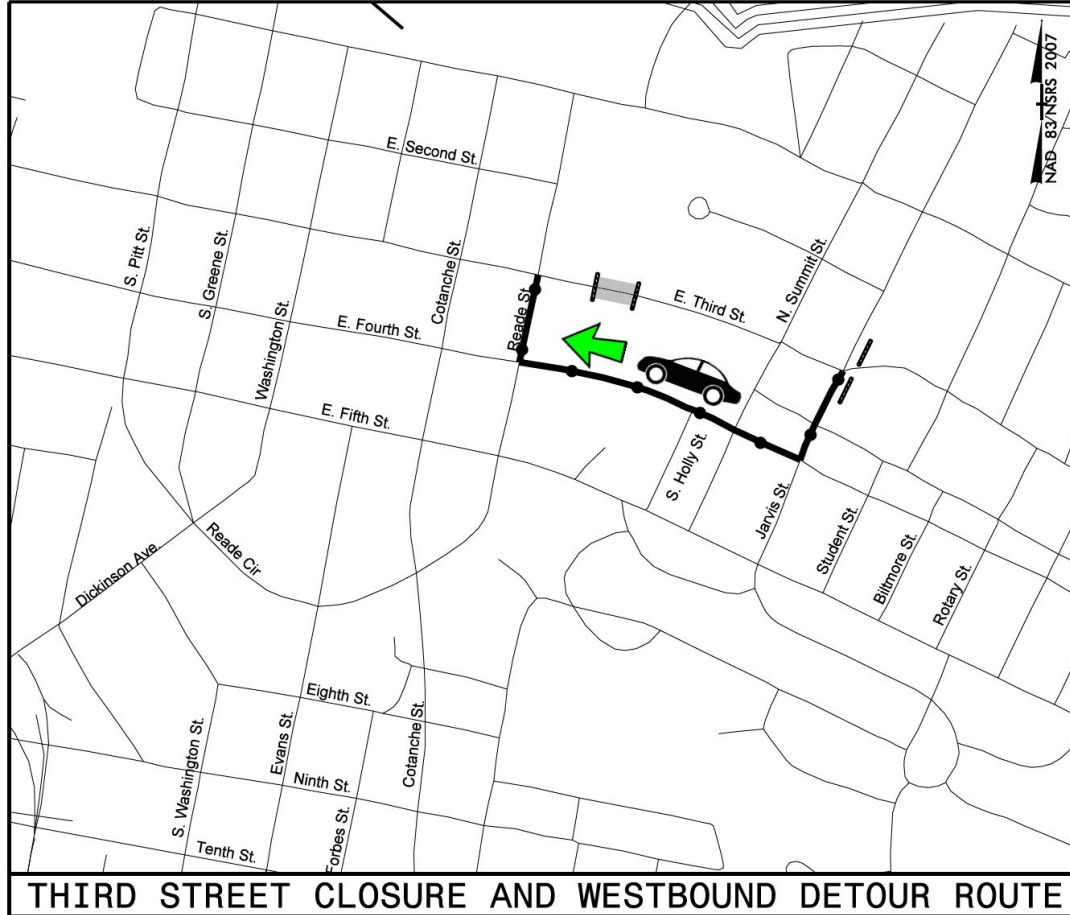
Detours – 3rd St



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Detours – 3rd St



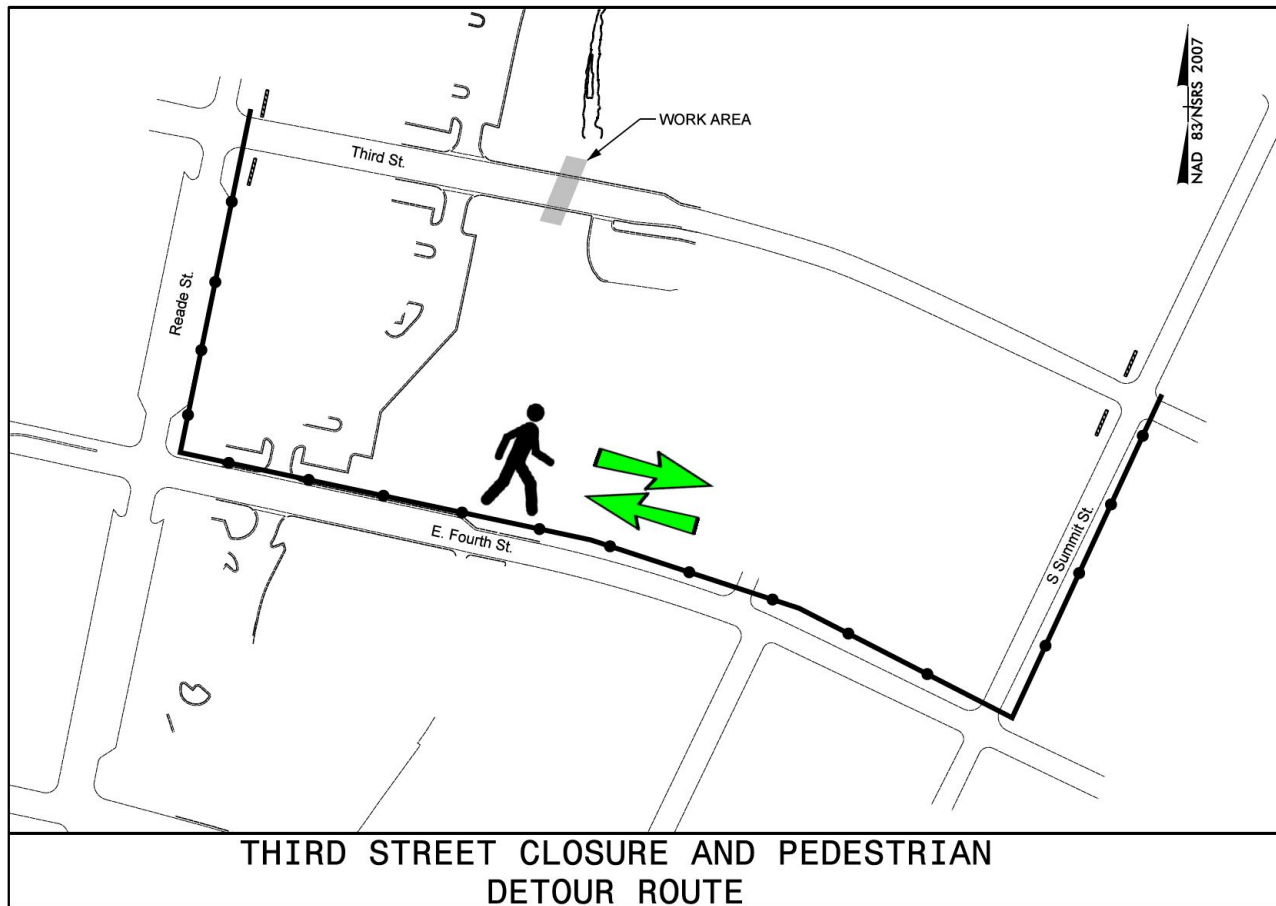
THIRD STREET CLOSURE AND WESTBOUND DETOUR ROUTE



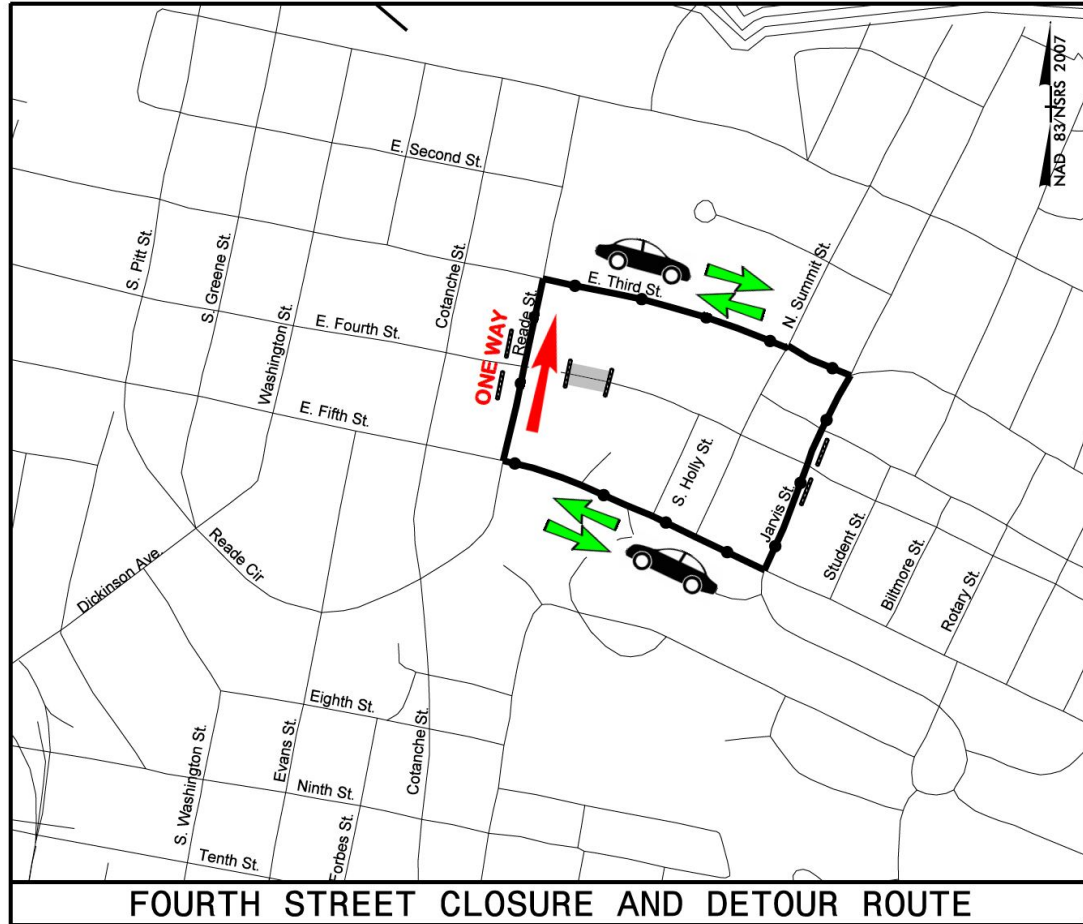
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Detours – 3rd St Pedestrian



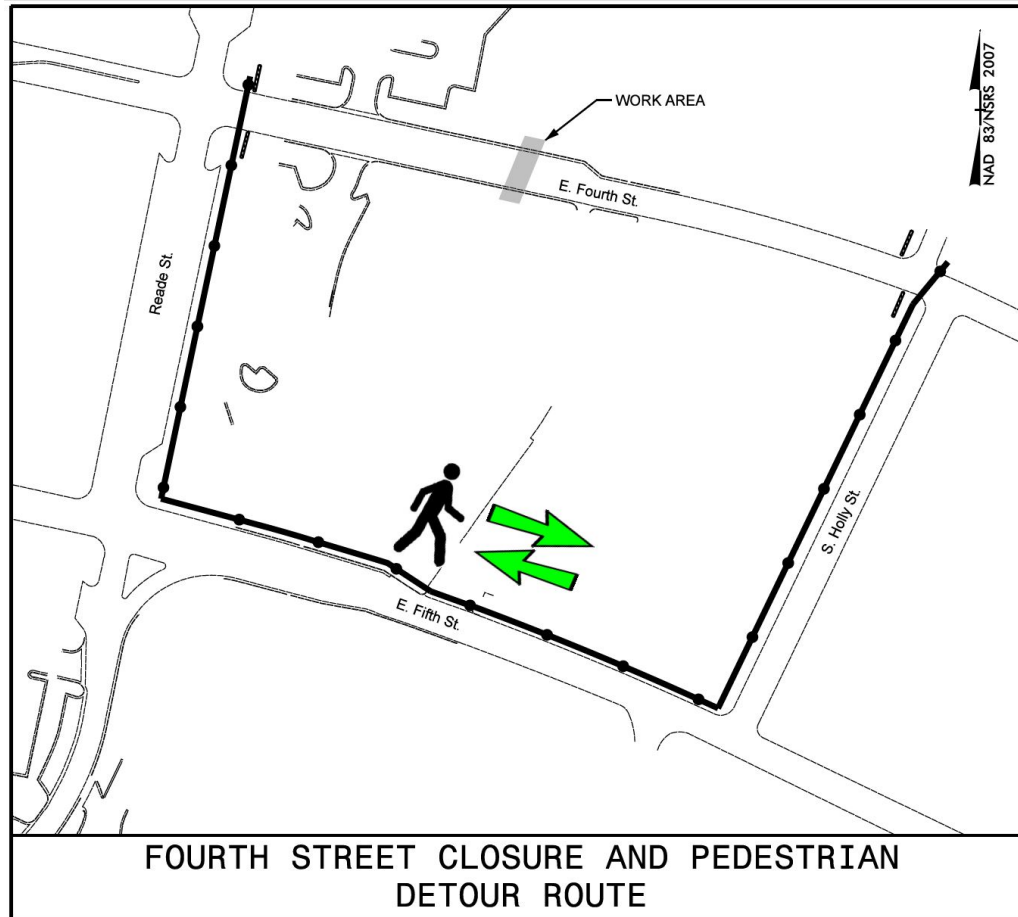
Detours – 4th St



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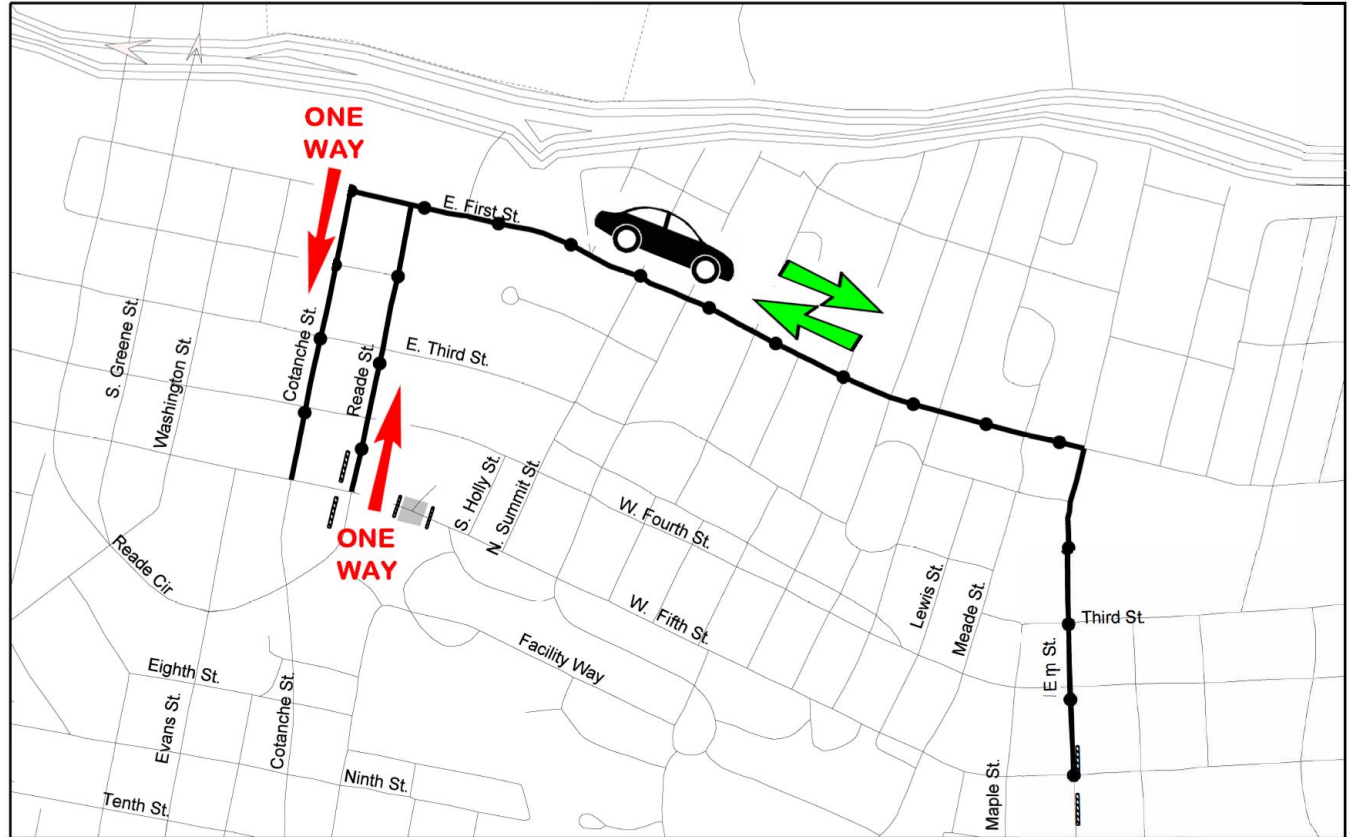
Detours – 4th St



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Detours – 5th St



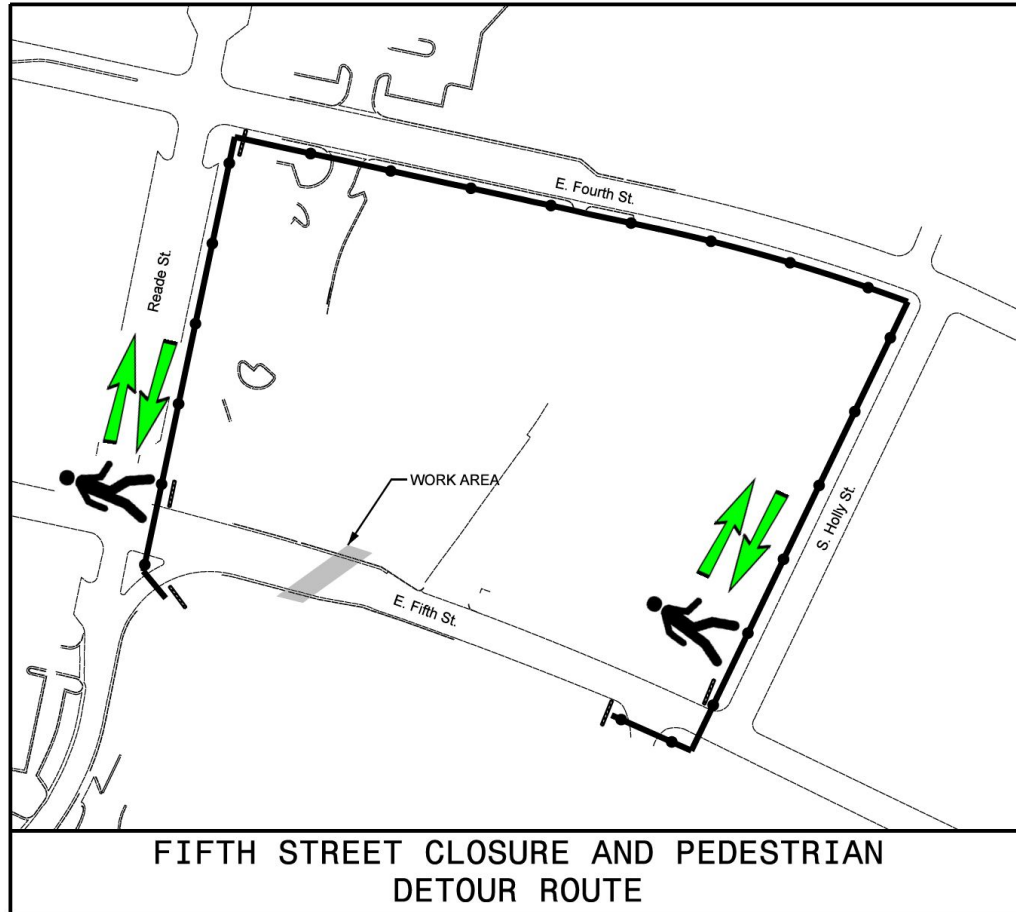
5TH STREET CLOSURE AND DETOUR ROUTE



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Detours – 5th St



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Future Communication

Web page – <http://tcc.greenvillenc.gov>

Email – towncreekculvert@greenvillenc.gov



@CityofGreenvilleNC



@GreenvilleGov



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Project Contacts:

Lisa Kirby – Project Manager

Kevin Mulligan – Public Works Director

For additional information, please contact us at 329-4522

Additional Project Contacts will be provided moving forward.



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Questions?



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State Agency Partners

NCDEQ - N.C. Dept of Environmental Quality

- Mission to Protect N.C. Environmental and Natural Resources

DWI - Division of Water Infrastructure

- A Division of NCDEQ
- Manages the CWSRF

CWSRF - Clean Water State Revolving Fund

- Provides Low Interest Loans to Local Govs
- Loans Fund Wastewater Collection, Treatment Facilities, Green Projects



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