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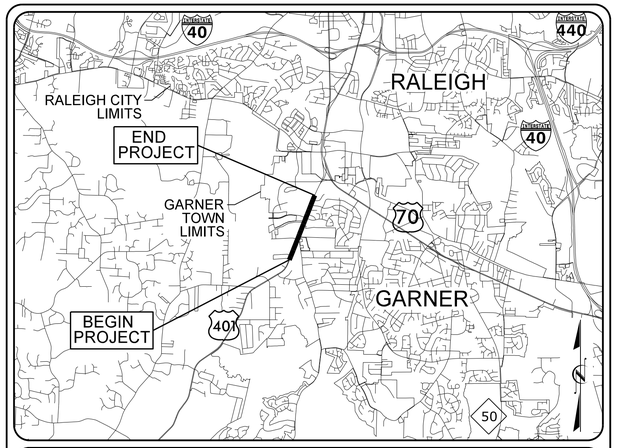
TIP PROJECT: U-5302

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-5302	UC-1

UTILITY CONSTRUCTION PLANS WAKE COUNTY



VICINITY MAP
NOT TO SCALE

LOCATION: US 401 SOUTH OF SR 1006 (OLD STAGE ROAD) TO SOUTH OF SR 2538 (MECHANICAL BOULEVARD) IN GARNER

TYPE OF WORK: WATER AND SEWER RELOCATIONS

NAD 83/NA 2011

Public
Water Distribution / Extension System
The City of Raleigh consents to the connection and extension of the City's public water system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh
Public Utilities Department Permit # W-3663 REV

Public
Sewer Collection / Extension System
The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh
Public Utilities Department Permit # S-4586 REV

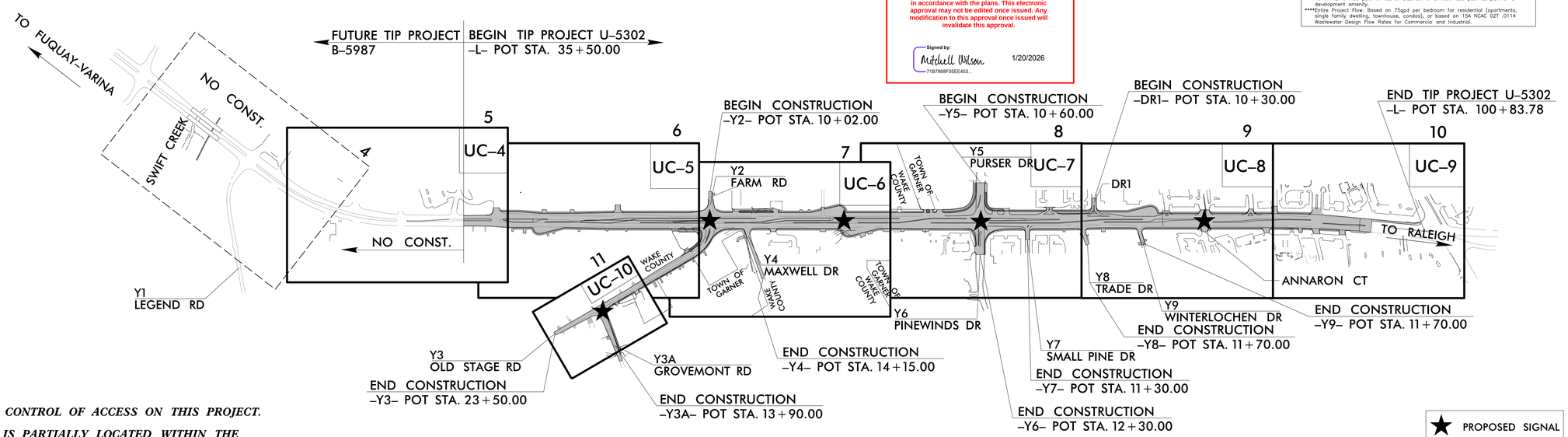
RALEIGH WATER - PLANS AUTHORIZED FOR CONSTRUCTION
Any work authorized by this approval must proceed in accordance with the plans. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

Signed by: Mitchell Wilson 71B7868F05EE453... 1/20/2026

INFRASTRUCTURE INSPECTIONS QUANTITIES TABLE (JAN2025)

Phase Number(s)	PHASE 1	PHASE 2	PHASE 3
Number of Lot(s)			
Lot Number(s) by Phase			
Number of Units			
Livable Buildings			
Open Space?			
Number of Open Space Lots			
Public Water (LF)	3,899 LF		
Private Water* (LF)			
Public Sewer (LF)	114 LF		
Public Force Main (LF)			
Private Sewer** (LF)			
Public Street (LF) – FULL			
Public Street (LF) – PARTIAL			
Public Sidewalk (LF) – FULL			
Public Sidewalk (LF) – PARTIAL			
Multi-Use Path*** (LF)			
Public Stormdrain (LF)			
Street Signs (LF)			
Water Service Stubs			
Sewer Service Stubs			
Average Daily Flow per Phase****	N/A		

*Water mains 4" and larger.
**Sewer mains and manholes as part of a collection system.
***10 or 12 ft wide path in lieu of sidewalk or a multi-use path as part of a development amenity.
****Entire Project Flow. Based on 75gpd per bedroom for residential (apartments, single family dwelling, townhouse, condos), or based on 15A NCAC 02T .0114 Wastewater Design Flow Rates for Commercial and Industrial.



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.

THE PROJECT IS PARTIALLY LOCATED WITHIN THE MUNICIPAL LIMITS OF THE TOWN OF GARNER.

CLEARING ON THIS PROJECT WILL BE PERFORMED TO THE LIMITS ESTABLISHED BY NCDOT METHOD II.

NOTE: ALL 6", 8", 10", AND 12" WATER LINES SHALL BE PC350 DUCTILE IRON, TYPICAL ALL SHEETS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	LEGEND OF SYMBOLS
UC-3 THRU UC-3F	GENERAL NOTES & DETAILS
UC-4 THRU UC-10	UTILITY CONST. PLAN SHEETS
UC-11 THRU UC-14	PROFILE SHEETS

WATER AND SEWER OWNER ON PROJECT

(A) WATER: CITY OF RALEIGH

(B) SANITARY SEWER: CITY OF RALEIGH

PREPARED IN THE OFFICE OF:
AECOM
AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
5438 WADE PARK BLVD, SUITE 200, RALEIGH, NC 27607
919-461-1100
F - 0342

Catherine R. Cangemi, PE UTILITIES PROJECT ENGINEER

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 058684 ENGINEER CATHERINE R. CANGEMI
Signed by: 7B8026F6E6A5415... 1/19/2026

DIVISION OF HIGHWAYS
DIVISION 5
PROJECT DEVELOPMENT UNIT
2612 N. DUKE STREET
DURHAM NC 27704
PHONE (919) 317-4700
FAX (919) 317-4710

Susan Lancaster, PE	TEAM LEAD
John Braxton	PROJECT MANAGER
Donald W. Proper	DIVISION UTILITIES ENGINEER
James E. Swinson	SENIOR UTILITIES ENGINEER

DATE: 1/19/2026
TIME: 9:05:05 AM
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