

09_2025/299

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE COUNTY

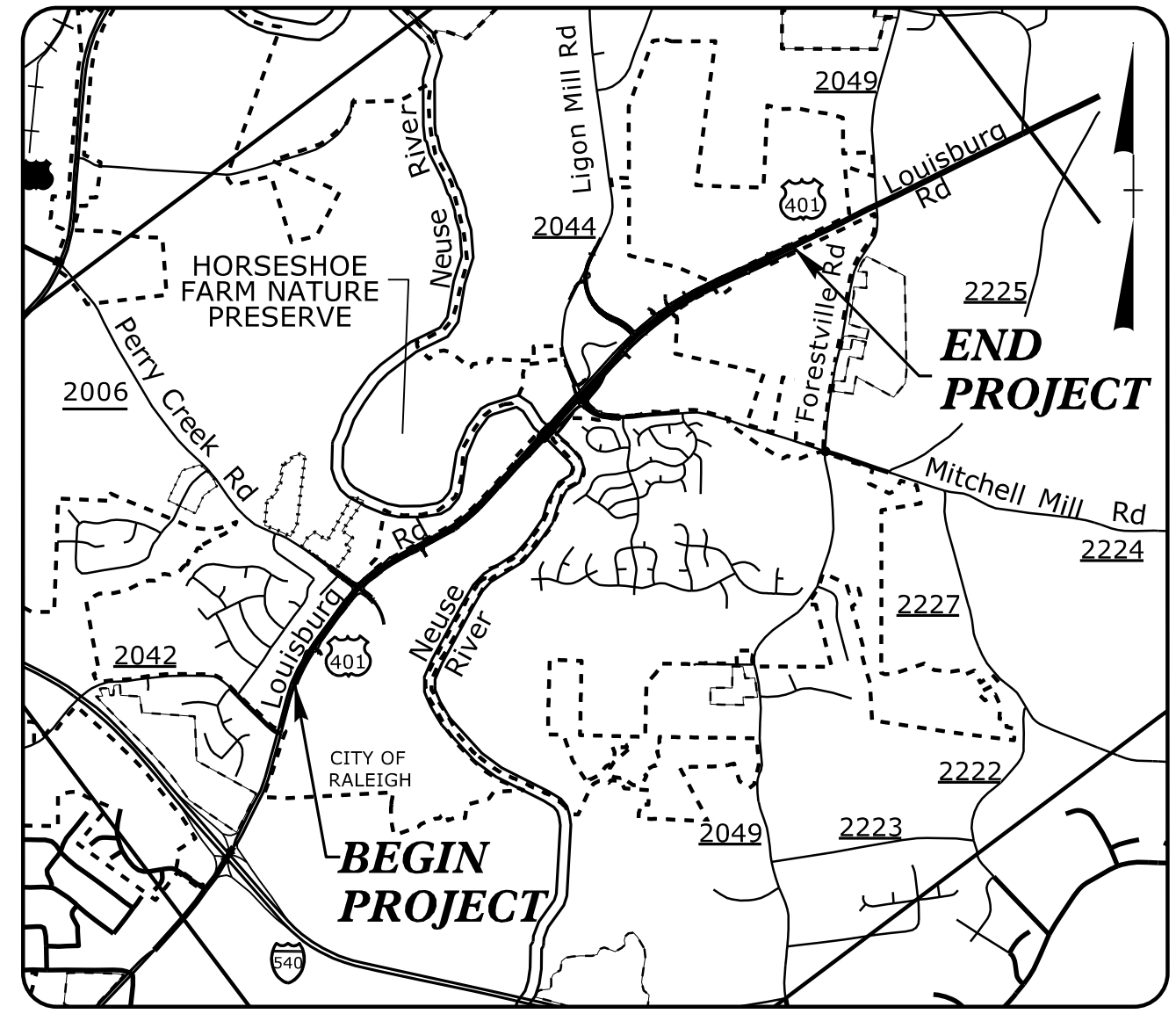
**LOCATION: US 401 (LOUISBURG RD) AT SR 2044 (LIGON MILL RD) /
SR 2224 (MITCHELL MILL RD) AND SR 2006 (PERRY CREEK
ROAD) INTERSECTION IMPROVEMENTS**
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, STRUCTURES, AND WALLS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5748	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50168.1.1		P.E.	
50168.2.1		RW & UTILITIES	
50168.3.1		CONSTRUCTION	

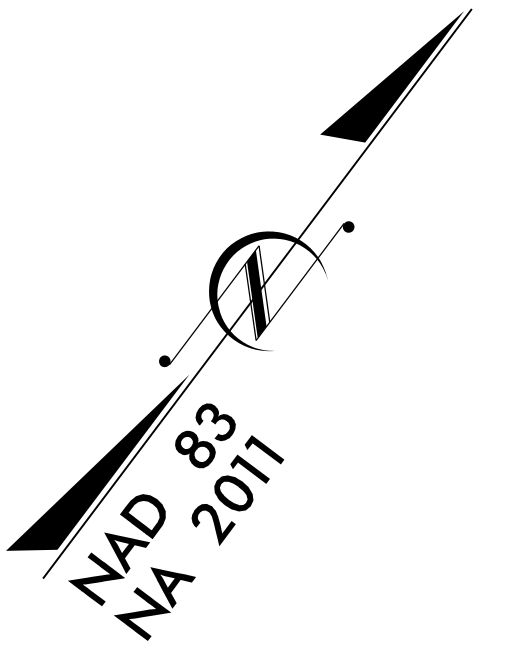
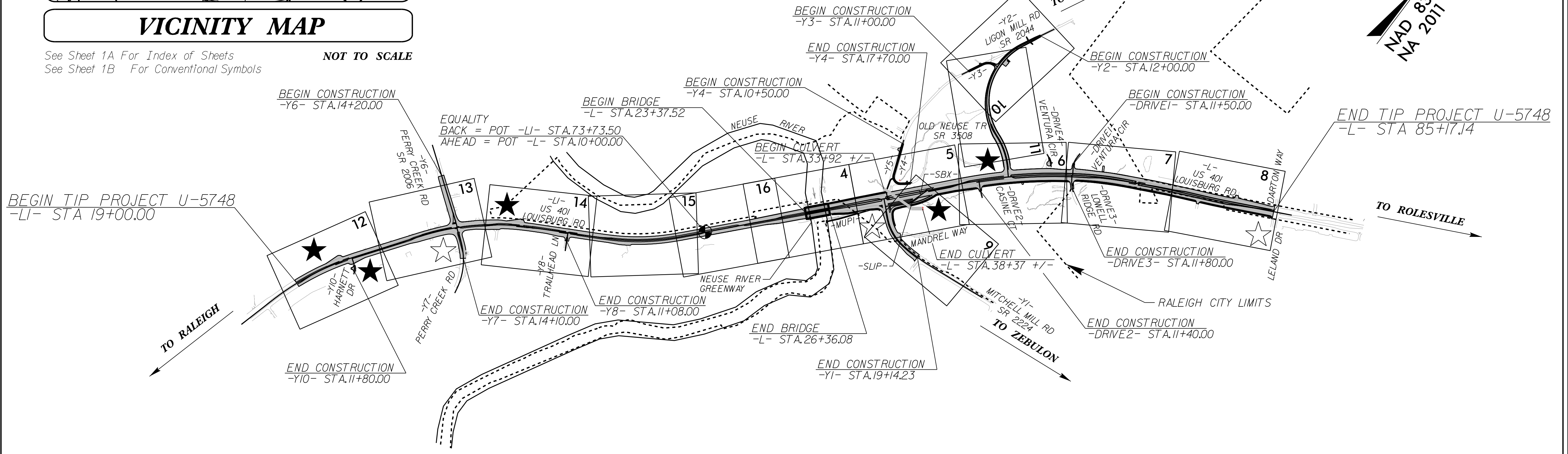
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: U-5748

CONTRACT: C204786

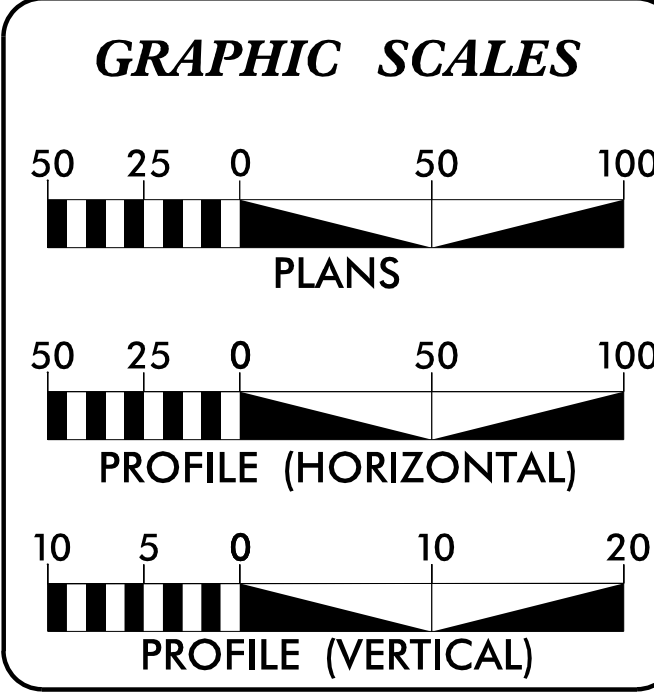


See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH
ACCESS LIMITED TO POINTS AS SHOWN ON THE
PLANS.

★ PROPOSED SIGNAL
☆ EXISTING SIGNAL



DESIGN DATA

ADT 2022 =	38,425
ADT 2042 =	58,842
K =	10 %
D =	55 %
T =	3% % *
V =	50 MPH
* TTST =	1% DUAL 2%
FUNC CLASS =	PRINCIPAL ARTERIAL REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5748 =	2.403 MI
LENGTH STRUCTURE TIP PROJECT U-5748 =	0.057 MI
TOTAL LENGTH TIP PROJECT U-5748 =	2.460 MI

Prepared in the Office of:

AECOM
NC FIRM LICENSE No: F-0342
5438 Wade Park Blvd., Suite 200
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JANUARY 8, 2021

LETTING DATE:
JULY 18, 2023

EDWARD GLENN EDENS JR., P.E.
PROJECT ENGINEER

ELIZABETH WARGO, P.E.
PROJECT DESIGN ENGINEER

JOHN CONFORTI, P.E.
NCDOT PROJECT ENGINEER

HYDRAULICS ENGINEER

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Edward Glenn Edens, Jr.
SIGNATURE: P.E. 4/10/2023

ROADWAY DESIGN ENGINEER

DocuSigned by:
Edward Glenn Edens, Jr.
SIGNATURE: P.E. 4/10/2023

