09/08/99

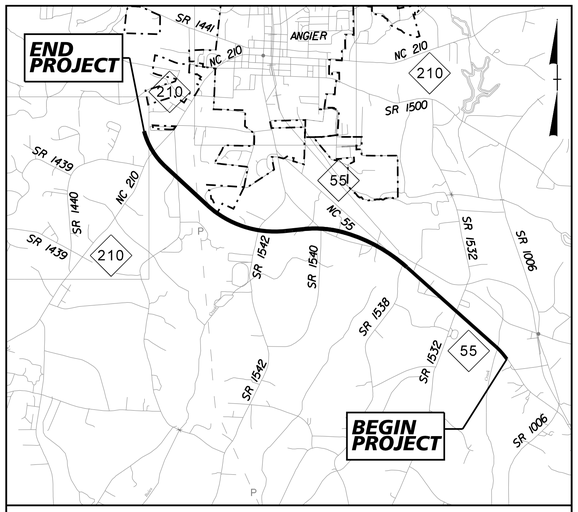
TIP PROJECT: R-5705A

CONTRACT: C204785

K:\RAL_Roadway\01\036479 - R-5705A - NC 55\Roadway\Proj\R5705A_rdy_1shdgn

8/8/2023

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



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

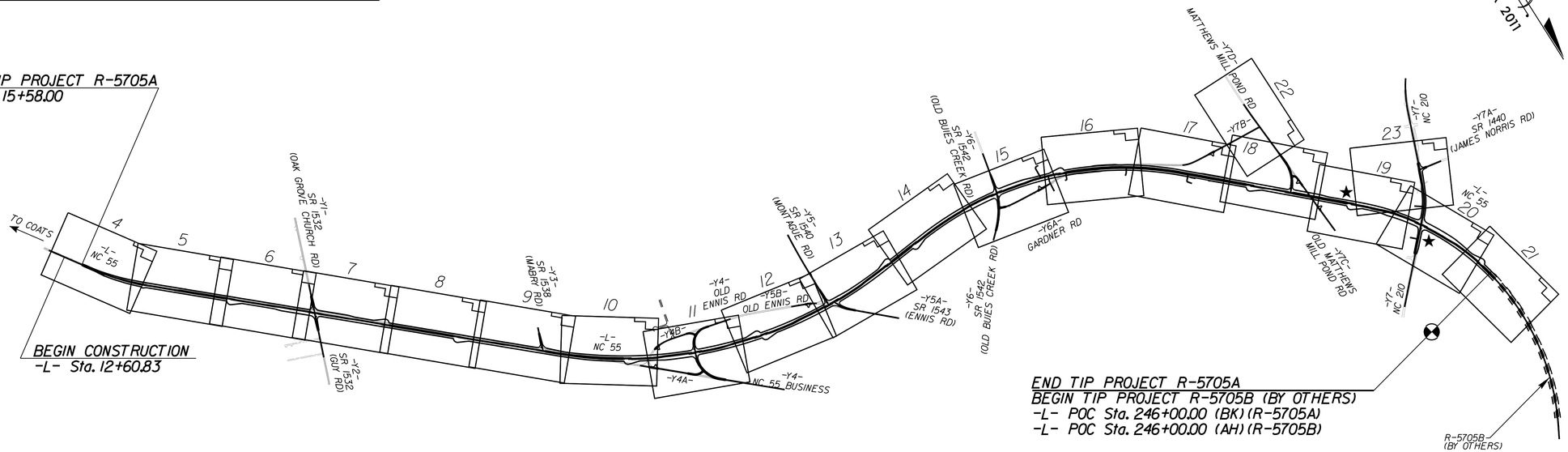
HARNETT COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5705A	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
46377.1.2		P.E.
46377.2.1		RIGHT-OF-WAY
46377.2.5		UTILITIES
46377.3.1		CONSTRUCTION

LOCATION: NC 55 FROM JUST SOUTH OF SR 1532 (OAK GROVE CHURCH ROAD) TO NC 210

TYPE OF WORK: DRAINAGE, GRADING, PAVING, SIGNING, SIGNALS, AND CULVERTS



** DESIGN SPEED = 50 MPH FROM –L– STA. 15+58.00 TO STA. 112+18.00 (EXISTING NC 55)
60 MPH FROM –L– STA. 112+18.00 TO STA. 246+00.00 (NEW LOCATION)

★ *TRAFFIC SIGNAL*

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

5 2.5 0 5 10
PROFILE (VERTICAL)

DESIGN DATA

AADT 2023	=	16,400
AADT 2045	=	27,100
K	=	9%
D	=	60%
T	=	4%*
** V	=	50/60 MPH

* (TTST 1% + DUAL 3%)

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-5705A	=	4.364 MILES
TOTAL LENGTH ROADWAY TIP PROJECT R-5705A	=	4.364 MILES

PLANS PREPARED FOR THE NCDOT BY:

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NC LICENSE #F-0102
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RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 677-2000

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
MARCH 9, 2021

LETTING DATE:
SEPTEMBER 19, 2023

JEFFREY W. MOORE, P.E.
PROJECT ENGINEER

EVERETT J. LOVING, P.E.
PROJECT DESIGN ENGINEER

DAVID WEBB, P.E.
SENIOR PROJECT MANAGER
NCDOT PROJECT MANAGEMENT UNIT

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052128 JORDAN BENDL
8/8/2023

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024436 JEFFREY W. MOORE
8/8/2023

SIGNATURE: *P.E.*

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION