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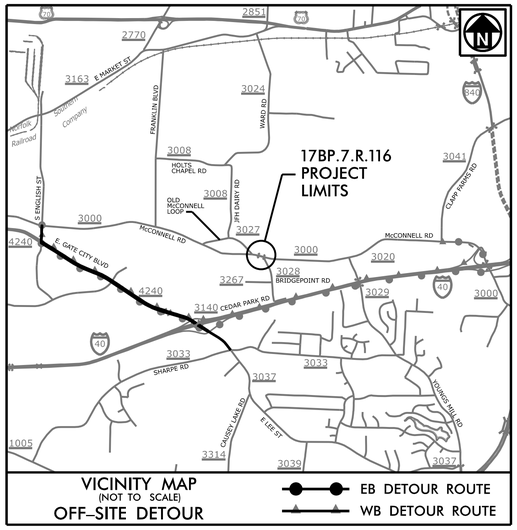
2/25/2025
P:\Raleigh\Projects\2017\Division 7 (Mott McDonald\17BP7RI16 Guilford 224 (105 45PCG FSHAPE 558055)\Structures\Drawings\Final - 2024 standards -2BR 40_17BP7RI16_SMU_TSH_400224.dgn
09/08/99
Thomas.Bankovich

PROJECT: 17BP.7.R.116

CONTRACT: C205061



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GUILFORD COUNTY

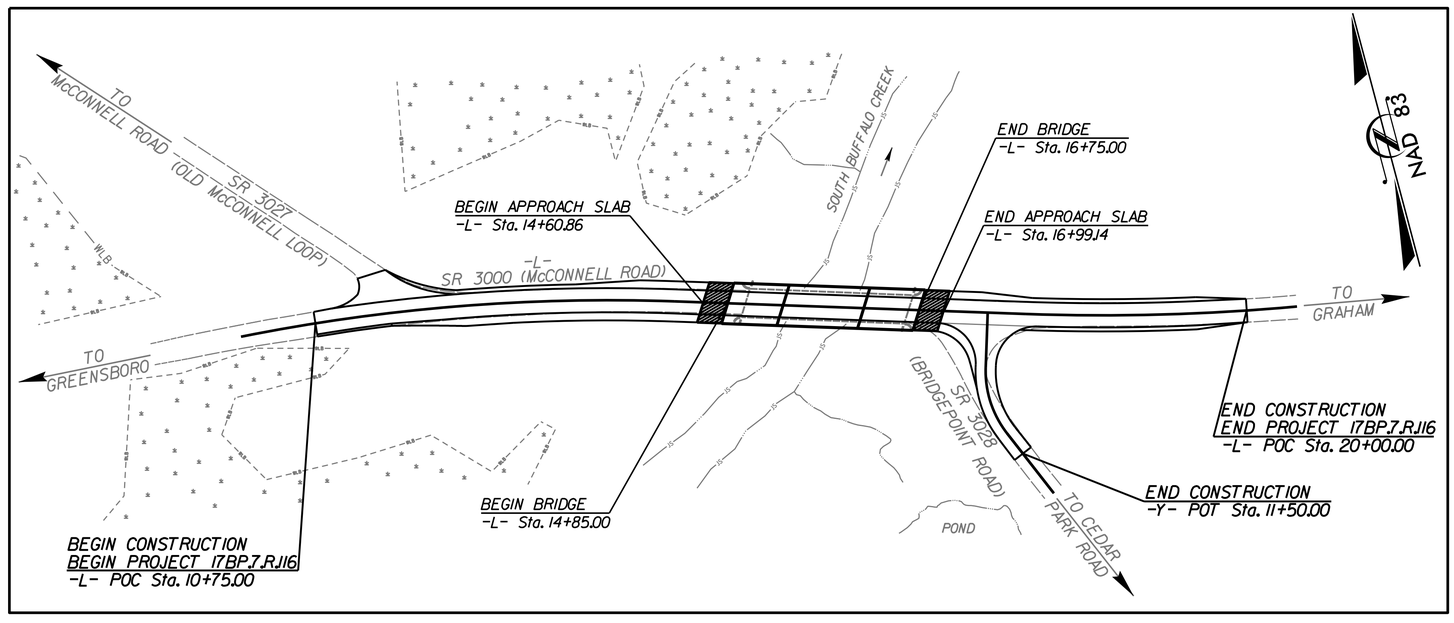
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.7.R.116		

STATE PROJECT NO.	F. A. PROJ. NO.	DESCRIPTION
17BP.7.PE.116	N/A	PE
17BP.7.ROW.116	N/A	RW/UTL
17BP.7.R.116	N/A	CONST.

LOCATION: BRIDGE #400224 OVER SOUTH BUFFALO CREEK ON SR 3000 (McCONNELL ROAD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

STRUCTURE PLANS



DESIGN DATA

ADT 2025 = 6,300
ADT 2040 = 9,800

D = 50 %
T = 7 % *
V = 45 MPH

* TTST = 3 % DUAL = 4 %

FUNC CLASS = COLLECTOR

SUB REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT = 0.139 MILES

LENGTH STRUCTURE PROJECT = 0.036 MILES

TOTAL LENGTH PROJECT = 0.175 MILES

Structure Plans Prepared In the Office of:

WGI
5640 Dillard Drive, Suite 200, Cary, N.C. 27518
Licensure Number: C-4434

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MAY 25, 2018

LETTING DATE: APRIL 15, 2025

TIM JORDAN, PE
PROJECT ENGINEER

JOSHUA MASSROCK, PE
HYDRAULIC ENGINEER

NCDOT CONTACT: DANIEL DAGENHART
DIVISION BRIDGE PROGRAM MANAGER

STRUCTURE DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 023908 ENGINEER MARK A. AVERETTE

2/25/2025 | 7:45 AM PST

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION