

**TIP PROJECT: P-5748B**

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA  
RAIL DIVISION

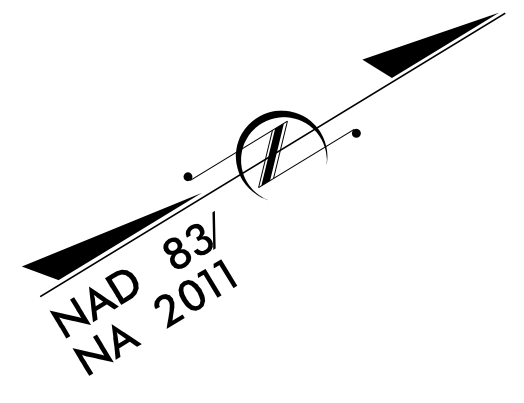
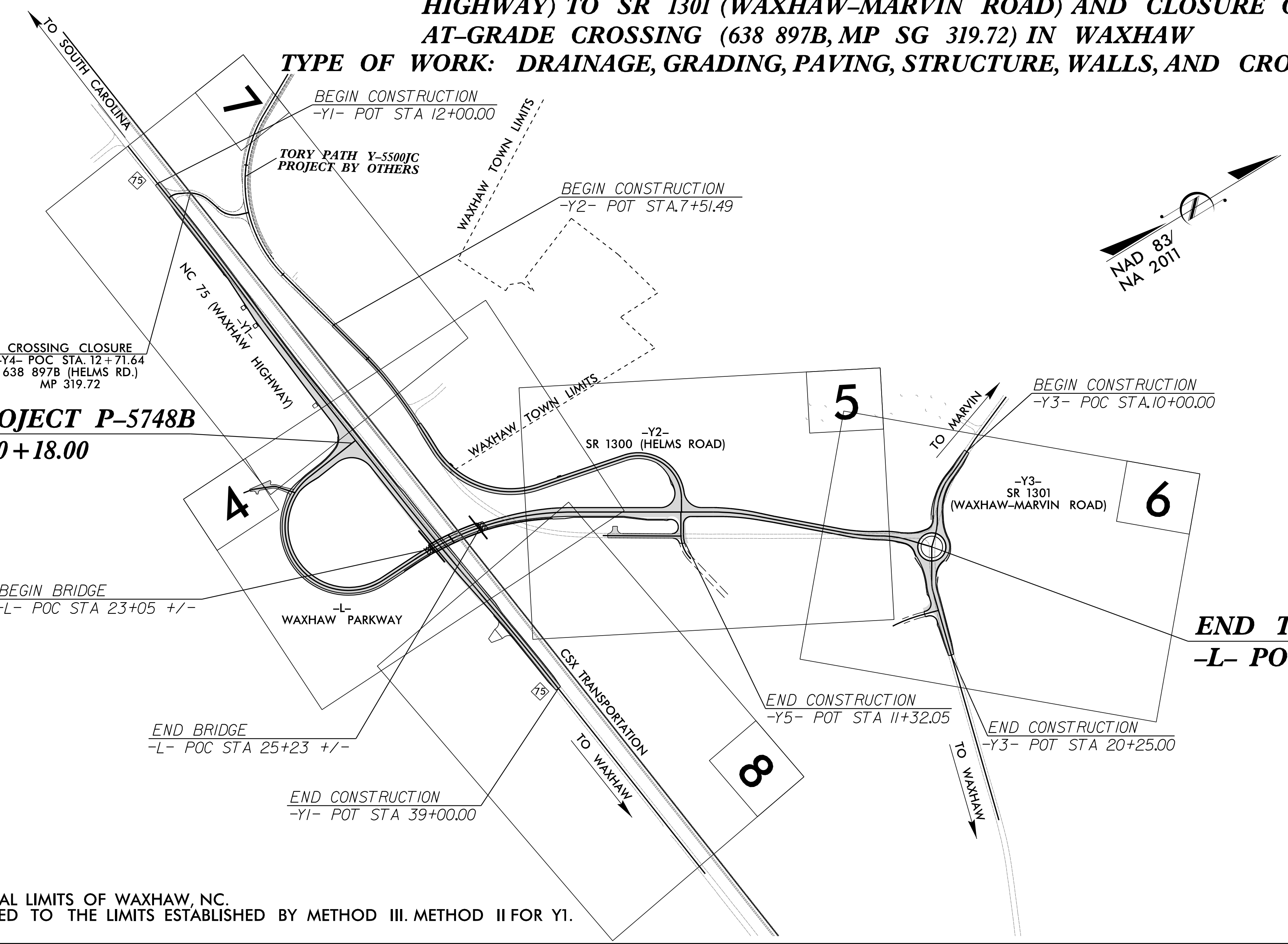
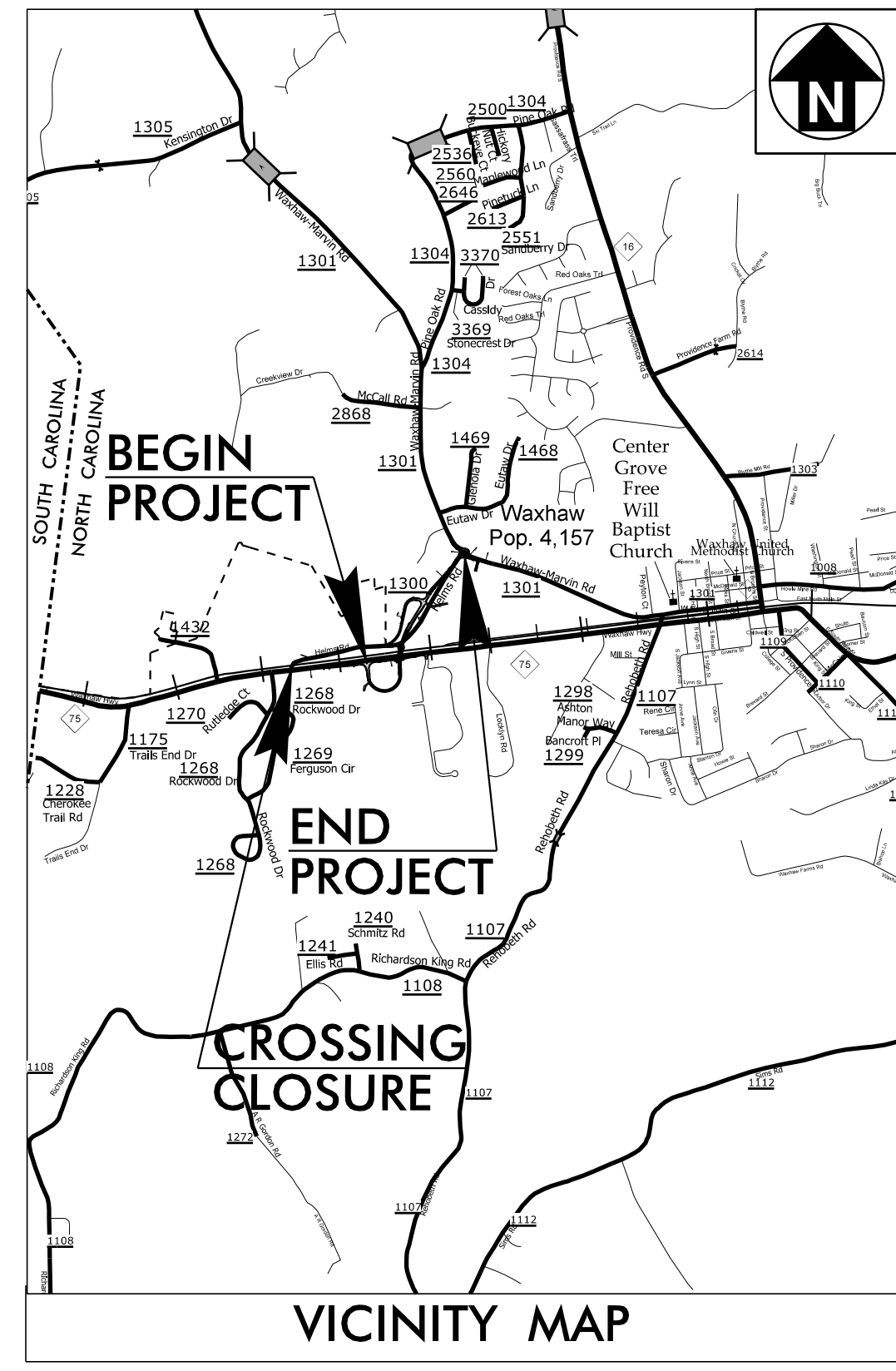
**UNION COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P-5748B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48336.1.1		PE	
48336.2.3		RW	
48336.2.5		UTIL.	
48336.3.3		CONST.	

**LOCATION: SR 1300 (HELMS ROAD) RELOCATION AND WAXHAW PARKWAY GRADE SEPARATION OVER CSXT/NC 75 FROM NC 75 (WAXHAW HIGHWAY) TO SR 1301 (WAXHAW-MARVIN ROAD) AND CLOSURE OF AT-GRADE CROSSING (638 897B, MP SG 319.72) IN WAXHAW**

**TYPE OF WORK: DRAINAGE, GRADING, PAVING, STRUCTURE, WALLS, AND CROSSING CLOSURE**

**ROW PLANS**



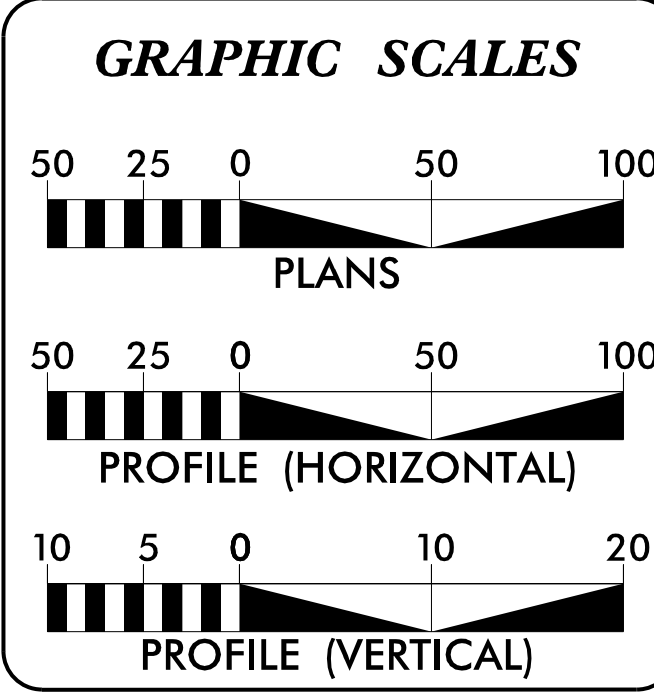
**BEGIN TIP PROJECT P-5748B**  
**-L- POT STA 10+18.00**

**END TIP PROJECT P-5748B**  
**-L- POT STA 43+59.90**

THIS PROJECT IS PARTIALLY WITHIN THE MUNICIPAL LIMITS OF WAXHAW, NC. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III. METHOD II FOR Y1.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT:**



**DESIGN DATA**

ADT 2024 =	2000
ADT 2044 =	7900
K =	9 %
D =	55 %
T =	4 % *
V =	50 MPH
* (TTST 1% + DUAL 3%)	
FUNC CLASS =	LOCAL
REGIONAL TIER	

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT P-5748B =	0.592 MILES
LENGTH STRUCTURE TIP PROJECT P-5748B =	0.041 MILES
TOTAL LENGTH OF TIP PROJECT P-5748B =	0.633 MILES

PLANS PREPARED FOR THE NCDOT BY:

**M M**  
MOTT  
MACDONALD  
LICENSE NO. F-0669

7621 Purfoy Rd Suite 115  
Fuquay-Varina, NC 27526  
(919) 552-2253  
(919) 552-2254 (Fax)  
www.mottmac.com

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
OCTOBER 14, 2022

**LETTING DATE:**  
JULY 17, 2024

**W. HERBERT TURNER JR., PE**  
PROJECT ENGINEER  
PEF ENGINEER

**BRIAN GACKSTETTER, EI**  
SENIOR PROJECT ENGINEER  
NCDOT RAIL DIVISION

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

NC DEPARTMENT OF  
TRANSPORTATION  
**RAIL DIVISION**

1556 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1556  
(919) 707 4110  
(919) 707-4154 (FAX)

9:34:04 AM  
R:\Roadway\Proj\N-P-5748\_rdy\_tsh.dgn  
HL104554