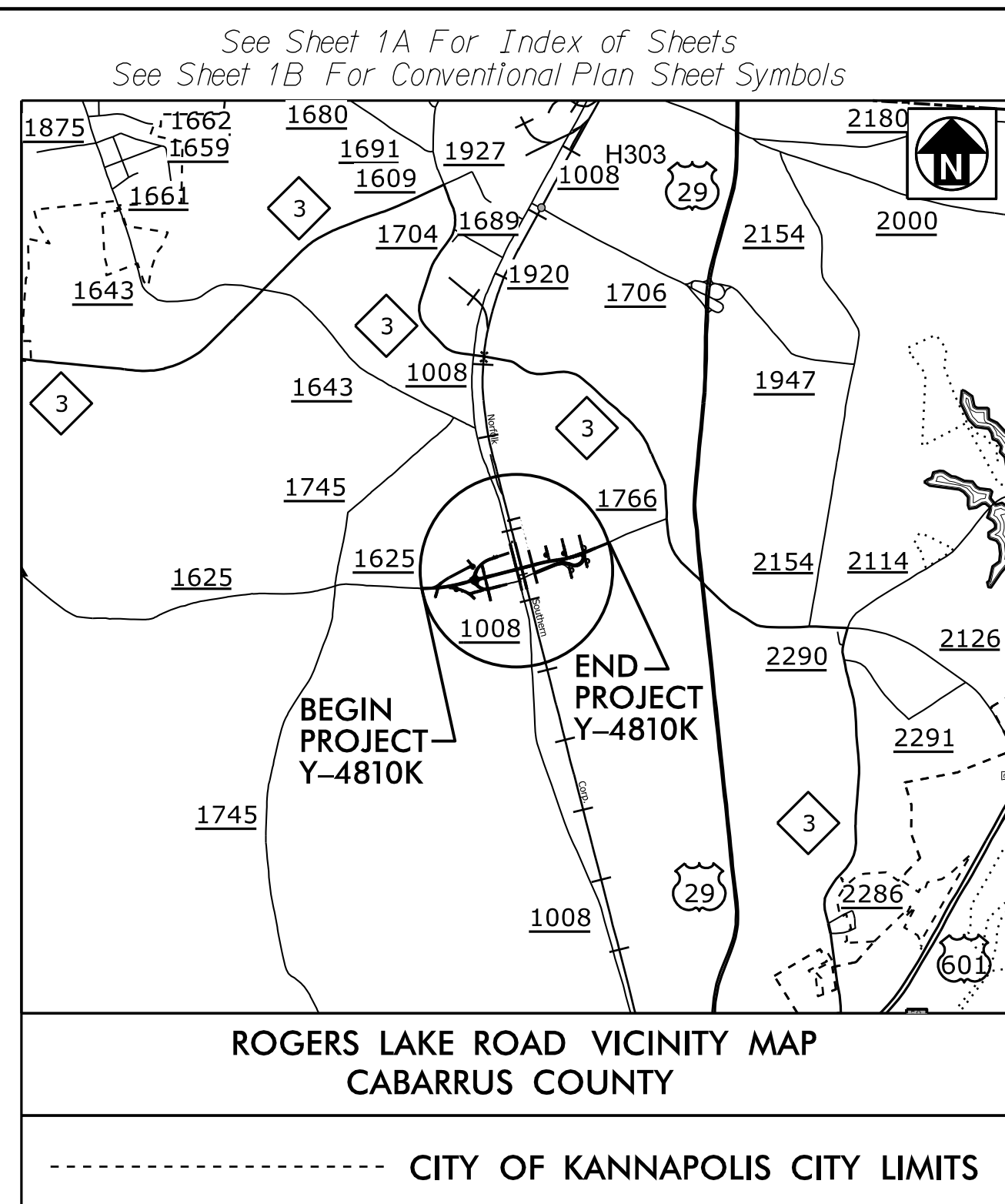


09.08/2019

TIP PROJECT: Y-4810K

CONTRACT: C204345

2:19:51 PM  
R:\NCGD\way\Proj\Y4810K\_rdy\_fsh.dgn  
PEK56854



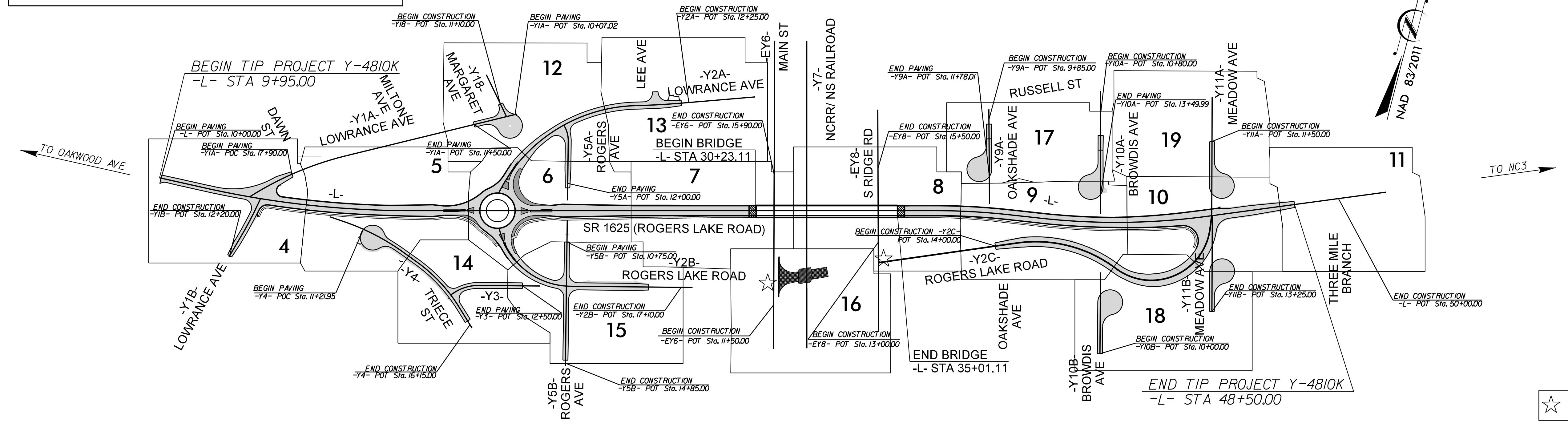
STATE OF NORTH CAROLINA  
RAIL DIVISION

# CABARRUS COUNTY

**LOCATION: GRADE SEPARATION AT SR 1625 (ROGERS LAKE ROAD)  
OVER NS/NCRR RAILROAD AND CLOSURE OF AT-GRADE  
CROSSING (#724408Y) IN KANNAPOLIS AT MILEPOST 350.73**

**TYPE OF WORK: DRAINAGE, GRADING, PAVING, RETAINING  
WALL, AND STRUCTURE**

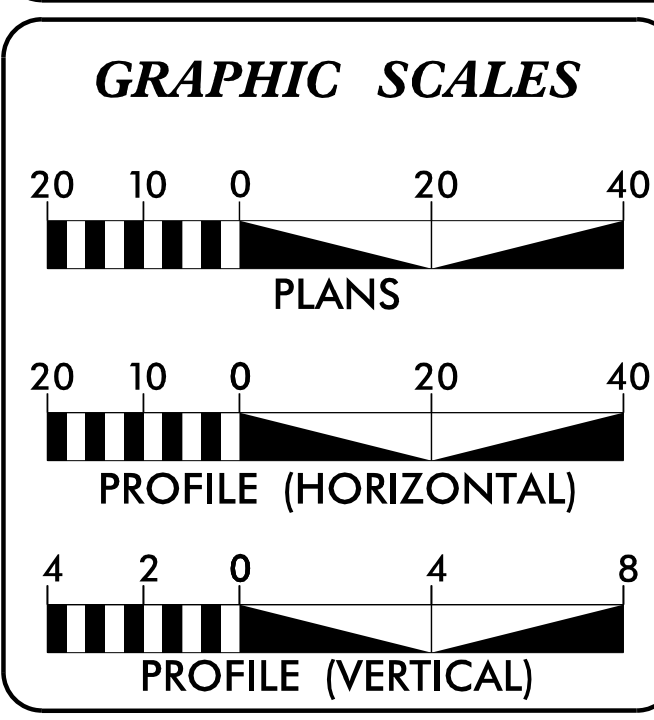
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	Y-4810K	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
40325.1.46		P.E.	
40325.2.46		RW	
40325.3.46		CONST.	



\*DESIGN EXCEPTION:  
LANE TAPER RATE

☆ EXISTING SIGNAL  
TO BE REMOVED

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**DESIGN DATA**

ADT 2020 =	8,600
ADT 2040 =	11,200
K =	10 %
D =	55 %
T =	5 % *
V =	50 MPH
* TTST = 1% DUAL 4%	
FUNC CLASS =	
URBAN MAJOR COLLECTOR SUBREGIONAL TIER	

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT Y-4810K =	0.639 MILES
LENGTH STRUCTURE TIP PROJECT Y-4810K =	0.091 MILES
TOTAL LENGTH OF TIP PROJECT Y-4810K =	0.730 MILES

PLANS PREPARED FOR THE NCDOT BY:

**WGI** 5640 Shogard Drive, Suite 200, Charlotte, NC 28217  
Tel: 704-552-2448 Fax: 704-552-2558  
www.wgi.com

**M M** MOTT MACDONALD LICENSE NO. F-6699

**SUNGATE DESIGN GROUP, P.A.** 7621 Purdy Road, Suite 115, Huntersville, NC 27754  
(919) 552-2254  
www.sungatedesign.com

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
JUNE 14, 2018

**LETTING DATE:**  
NOVEMBER 15, 2022

**MICHAEL PEKAREK, PE**  
PROJECT ENGINEER  
PEF ENGINEER

**KUMAR TRIVEDI, PE**  
NCDOT CONTACT  
NCDOT RAIL DIVISION

**HYDRAULICS ENGINEER**

DocuSigned by:  
Jedi Datta  
108BAD8C14994C3

**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
Michael Pezarek  
33F90AFDAE4F

NC DEPARTMENT OF  
TRANSPORTATION  
RAIL DIVISION

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