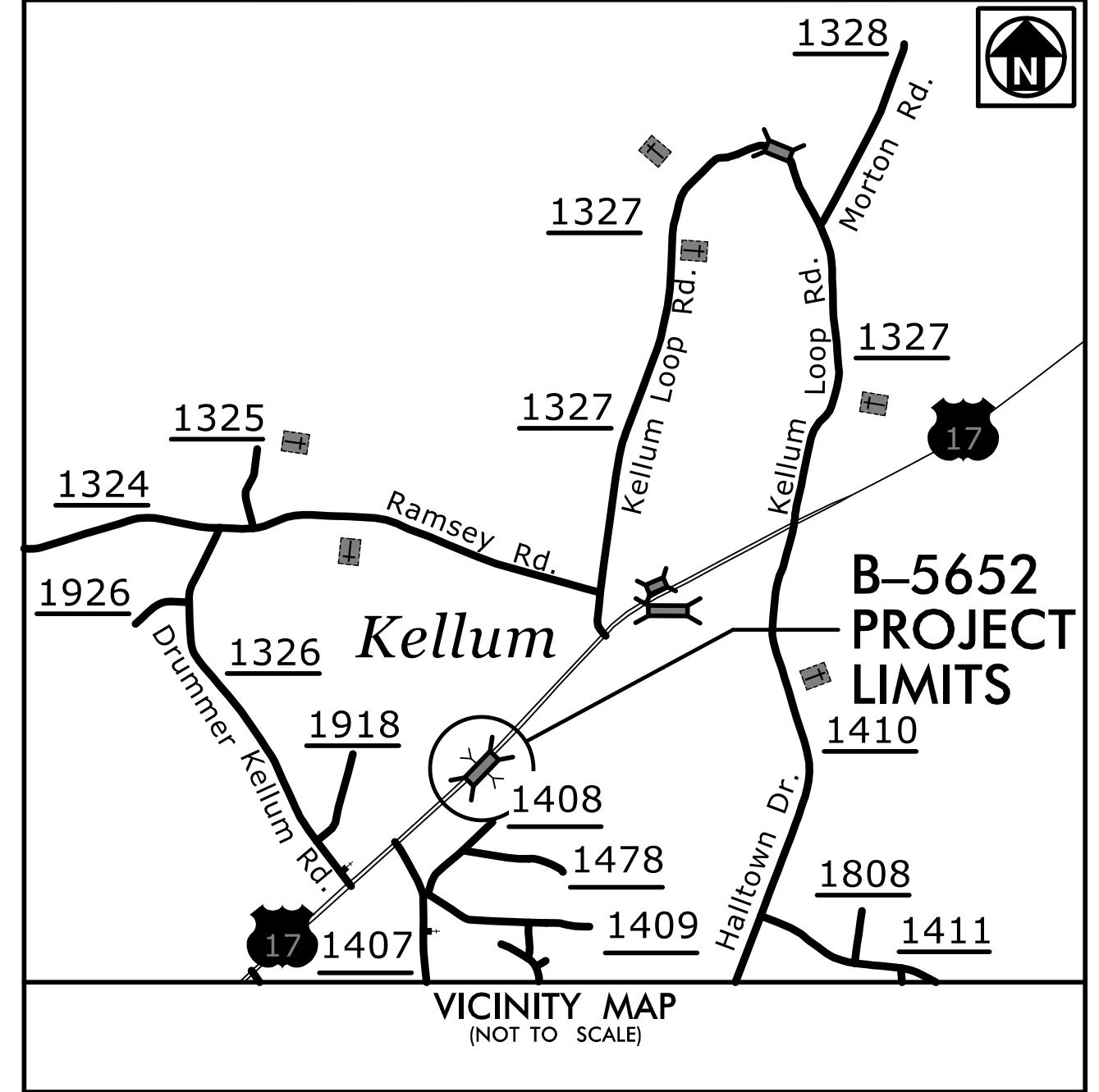


09/08/2022

PROJECT: B-5652

CONTRACT: C204477

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



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

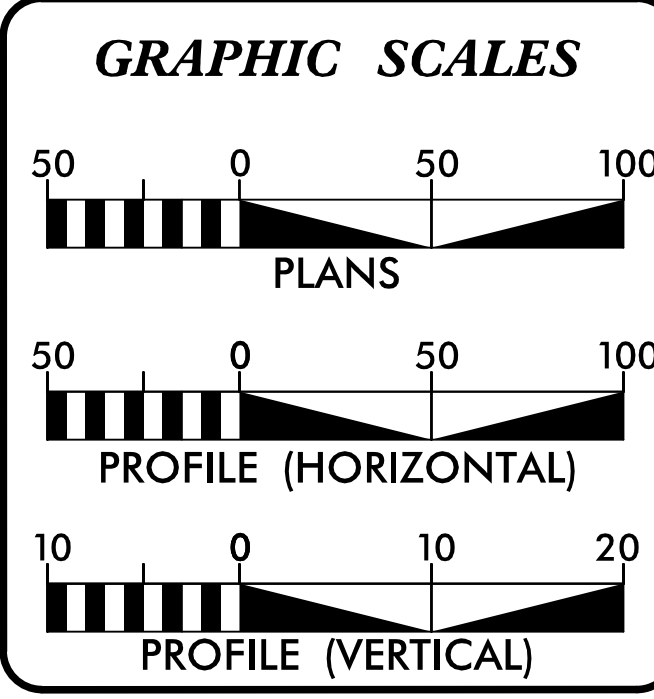
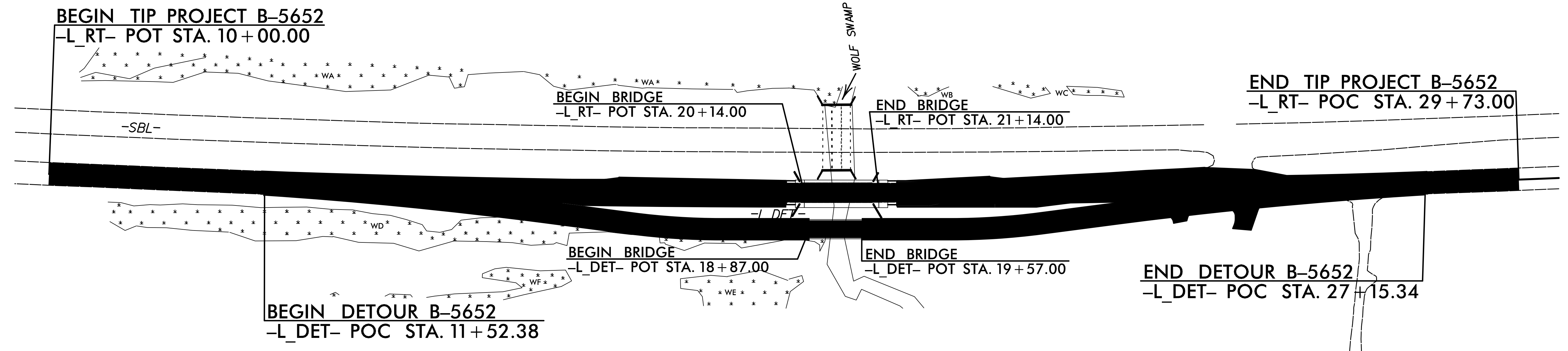
**ONSLOW COUNTY**

LOCATION: BRIDGE NO. 33 OVER WOLF SWAMP  
ON US 17

TYPE OF WORK: GRADING, PAVING, DRAINAGE AND STRUCTURE

STRUCTURE PLANS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5652	1	26
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45607.1.1		P.E.	
45607.2.1		RW, UTL	
45607.3.1		CONST.	



**DESIGN DATA**

ADT 2022 =	16,900
ADT 2040 =	22,300
K =	9 %
D =	55 %
T =	5 %*
V =	60 MPH
* TTST =	2% DUAL 3%
STATEWIDE TIER	
FUNCTIONAL CLASS	ARTERIAL

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT	=	0.355 MILES
LENGTH STRUCTURE TIP PROJECT	=	0.019 MILES
TOTAL LENGTH TIP PROJECT	=	0.374 MILES

PLANS PREPARED FOR NCDOT BY:

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

**SUNGATE DESIGN GROUP, P.A.**  
Fuquay-Varina, NC 27526  
(919) 552-2253  
(919) 552-2254 (Fax)  
www.mottmac.com/americas  
905 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27608  
TEL (919) 855-2249  
ENG FIRM LICENSE NO. C-489

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
NOVEMBER 22, 2021

LETTING DATE:  
DECEMBER 20, 2022

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

**JOSH DALTON, PE**  
HYDRAULIC ENGINEER  
PEF ENGINEER

**DAVID STUTTS, PE**  
NCDOT BRIDGE PROGRAM MANAGER

ENGINEER

9/14/2022 | 5:22 AM PDT

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:

5640 Dillard Drive, Suite 200  
Cary, NC 27518

LICENSURE NO. C-4434

\$\$\$\$\$ SYSTEM \$\$\$\$\$\$ DGN \$\$\$\$\$\$ USERNAME \$\$\$\$\$\$