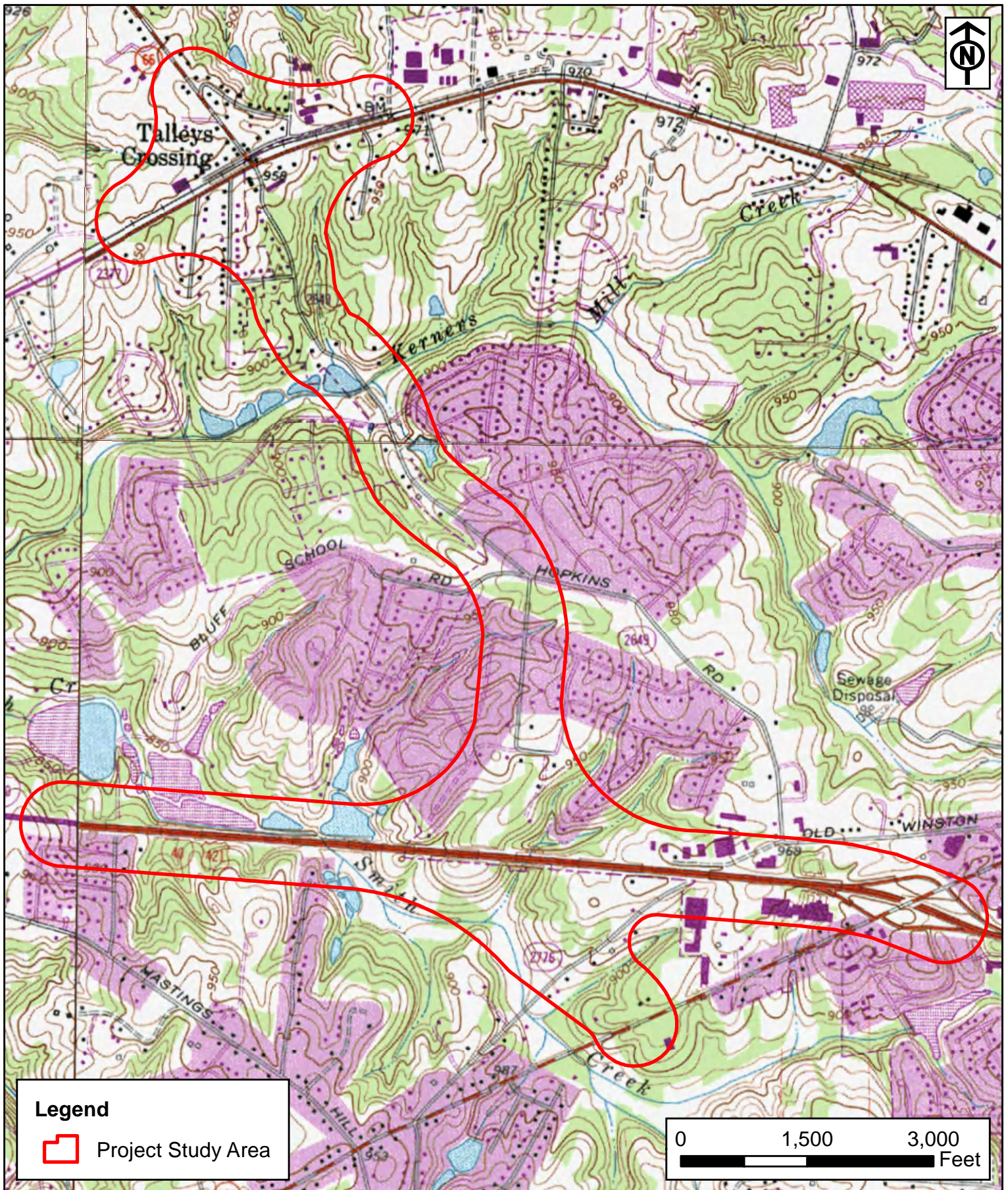



Figure 1: Vicinity Map
TIP U-5760

Widen Big Mill Farm Road and Hopkins Road from south of I-40 Business/US 421 to West Mountain Street Kernersville, Forsyth County



Legend

 Project Study Area

0 1,500 3,000
Feet

Figure 2: USGS Topographic Map
TIP U-5760

Widen Big Mill Farm Road and Hopkins Road from
south of I-40 Business/US 421 to West Mountain Street
Kernersville, Forsyth County



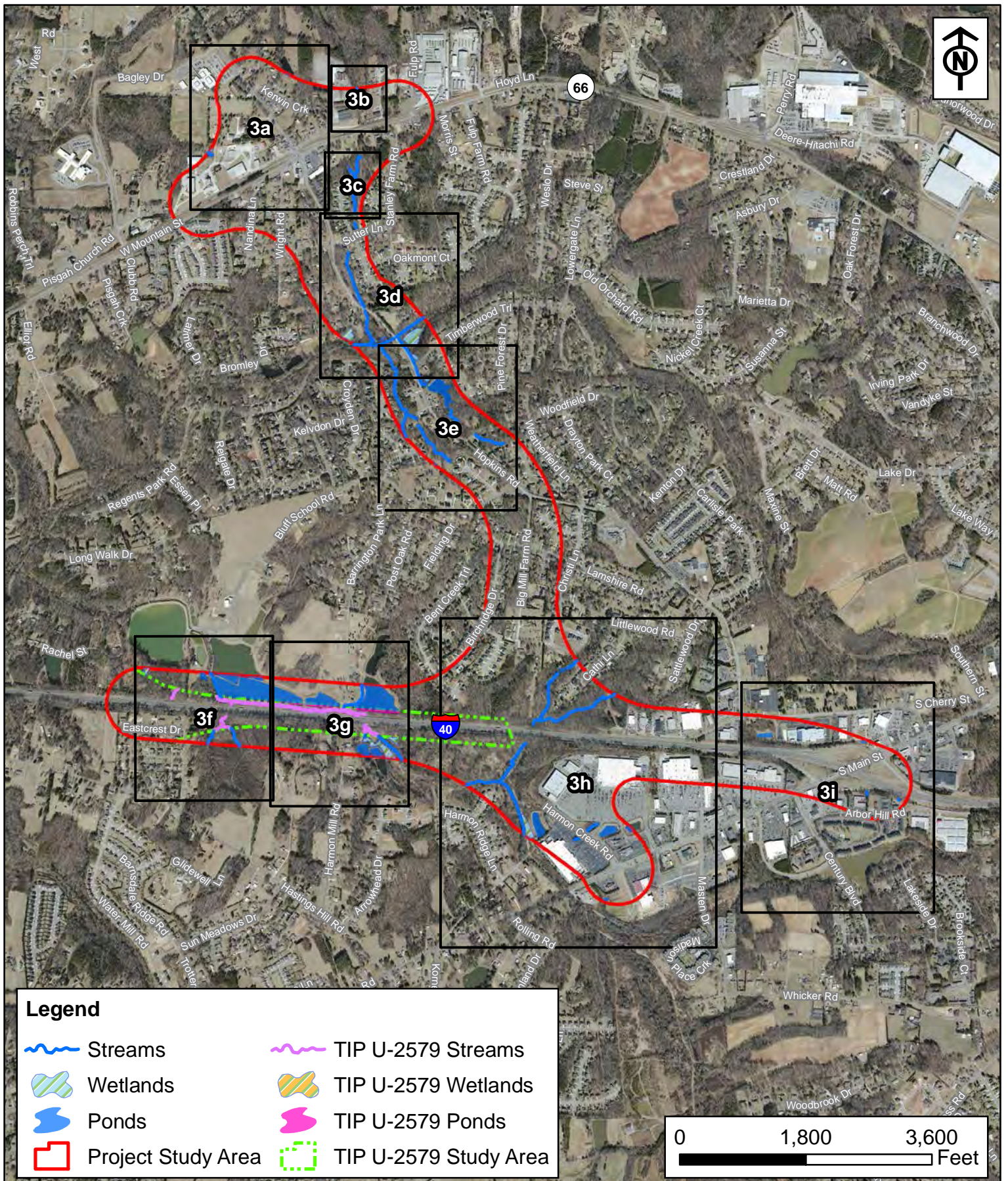


Figure 3: Jurisdictional Features Index Map
TIP U-5760

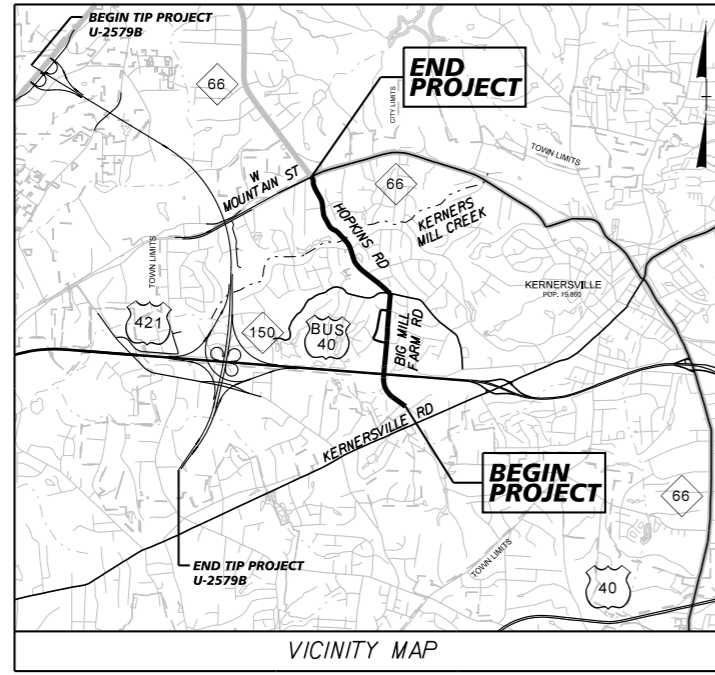
Widen Big Mill Farm Road and Hopkins Road from south of I-40 Business/US 421 to West Mountain Street Kernersville, Forsyth County



09/08/99

TIP PROJECT: U-5760

See Sheet IB For Conventional Plan Sheet Symbols



PERMIT DRAWING SHEET 1 OF 27

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

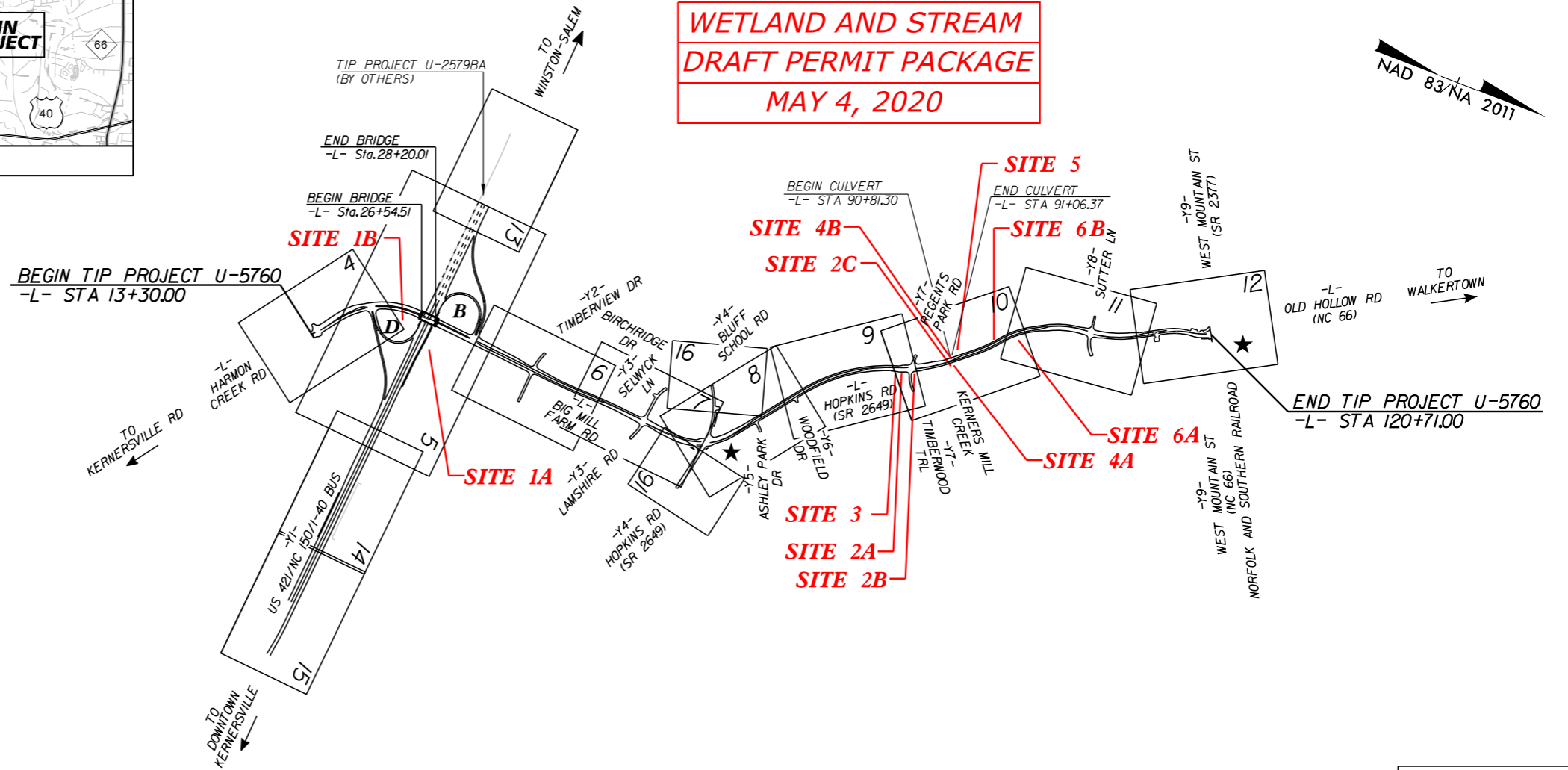
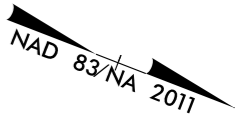
FORSYTH COUNTY

LOCATION: HOPKINS ROAD/BIG MILL FARM ROAD IN KERNERSVILLE FROM SOUTH OF US 421/NC 150 TO NC 66 (W MOUNTAIN ST)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, CULVERTS, RETAINING WALLS, AND STRUCTURES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5760	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46381.1.1		P.E.	
45721.2.1		RW	
45721.2.1		UTL	
45721.3.1		CONST.	

**WETLAND AND STREAM
DRAFT PERMIT PACKAGE
MAY 4, 2020**

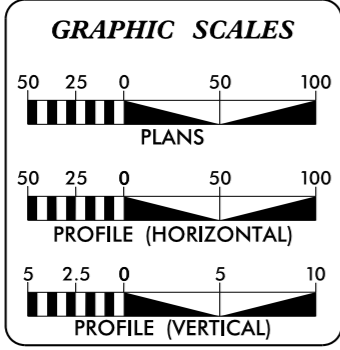


★ TRAFFIC SIGNAL

THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH ACCESS LIMITED TO POINTS AS SHOWN ON THE PLANS
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF KERNERSVILLE

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



DESIGN DATA

AADT 2023 =	10,700
AADT 2040 =	14,900
K =	10%
D =	60%
T =	3%*
V =	50 MPH

* (TTST 1% + DUAL 2%)

FUNCTIONAL CLASSIFICATION:
URBAN COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5760	=	1.998 MILES
LENGTH STRUCTURES TIP PROJECT U-5760	=	0.036 MILES
TOTAL LENGTH TIP PROJECT U-5760	=	2.034 MILES

PLANS PREPARED FOR THE NCDOT BY: **Kimley»Horn**

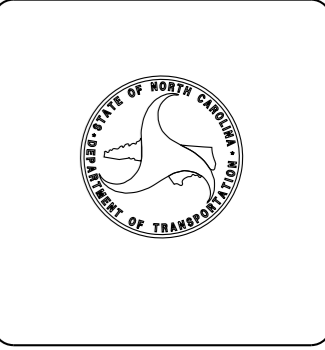
2018 STANDARD SPECIFICATIONS	JEFFREY W. MOORE, P.E. PROJECT ENGINEER
RIGHT OF WAY DATE: APRIL 16, 2021	RHODES S. HUNT, P.E. PROJECT DESIGN ENGINEER
LETTING DATE: APRIL 18, 2023	W. AL BLANTON, P.E., P.L.S. PROJECT TEAM LEAD NCDOT DIVISION 9

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



\$DATE\$

WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1A	58+66/59+59 -Y1- (LT)	1 @ 6' x 9' RCBC Extension						< 0.01		25		
	58+66/59+59 -Y1- (LT)	Channel Improvements						< 0.01	0.02	31	82	
1B	21+97/25+90 -L- (RT)	1 @ 6' x 7' RCBC Extension						0.09		522		
	21+97/25+90 -L- (RT)	Channel Improvements						< 0.01	< 0.01	20	20	
2A	83+40/85+80 -L- (RT)	Roadway Fill			< 0.01	< 0.01		0.02	< 0.01	233	10	
2B	86+38/86+80 -L- (RT)	66" RCP						< 0.01		24		
		Channel Improvements						< 0.01	< 0.01	25	10	
2C	89+96/90+79 -L- (RT)	Roadway Fill						< 0.01	< 0.01	82	10	
3	83+60/84+62 -L- (RT)	Roadway Fill			< 0.01	< 0.01						
4A	90+74/91+16 -L- (LT)	2 @ 10' x 10' RCBC						0.02		61		
		Channel Improvements						< 0.01	0.01	30	28	
4B	90+59/91+00 -L- (RT)	Channel Improvements						0.01	< 0.01	35	19	
5	91+60/92+06 -L- (LT)	Roadway Fill	< 0.01			0.01						
6A	96+98/98+87 -L- (RT)	48" RCP						0.01		122		
		Channel Change						< 0.01	< 0.01	70	22	
		Roadway Fill	0.09									
6B	95+22/96+53 -L- (LT)	54" RCP						< 0.01		82		
		Channel Improvements						< 0.01	< 0.01	10	65	
TOTALS*:			0.09		< 0.01	0.01		0.21	0.04	1372	266	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
03/06/2020
FORSYTH
U-5760
46381.1.1