



NOTES FOR WIRELESS COMMUNICATIONS:

1. INSTALL COAXIAL CABLE:
 - A. ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISE, INSTALL A 2" RISER WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
 - B. ON METAL POLES WITH MAST ARMS, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE MAST ARM; FIELD DRILL A 1/2" HOLE UP THROUGH THE BOTTOM OF MAST MAR FOR INSTALLATION OF THE COAXIAL CABLE TO THE ANTENNA.
 - C. ON METAL STRAIN POLES, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
 - D. BETWEEN THE POINT OF EXITING THE RISER, METAL POLE, OR MAST ARM, AND THE ANTENNA, SECURE THE COAXIAL CABLE TO THE STRUCTURE USING 3/4" STAINLESS STEEL STRAPS EVERY 12".
2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISE IS AVAILABLE, INSTALL COAXIAL CABLE IN THE SPARE RISER.
3. INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN. (NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
4. MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRIC SAFETY CODE.
5. INSTALL WIRELESS SERIAL RADIO MODEM WITH EXTERIOR DISCONNECT SWITCH LOCATED ON CABINET. (NOTE: RF ANTENNA DISCONNECT SWITCH AND DECAL ARE NOT REQUIRED WHEN THE ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
6. REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."

LEGEND

	YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION		EXISTING WOOD POLE
	YAGI ANTENNA (SINGLE)		NEW METAL POLE
	OMNI ANTENNA		SIGNAL POLE
	EXISTING CONTROLLER AND CABINET		EXISTING METAL POLE
	EXISTING MASTER CONTROLLER AND CABINET		NEW OVERSIZED JUNCTION BOX
	SIGNAL INVENTORY NUMBER		EXISTING OVERSIZED JUNCTION BOX
	EXISTING METAL POLE WITH MAST ARM		EXISTING CONDUIT
			EXISTING COMMUNICATIONS CABLE

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Wireless Communications Plan
US 301 (Ward Boulevard) CLS

Division 4 Wilson County Wilson

PLAN DATE: June 2017 REVIEWED BY: W M Ruhsam

PREPARED BY: K M Cory REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 SEAL 038970
 ENGINEER
 KELLY M. CORY

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