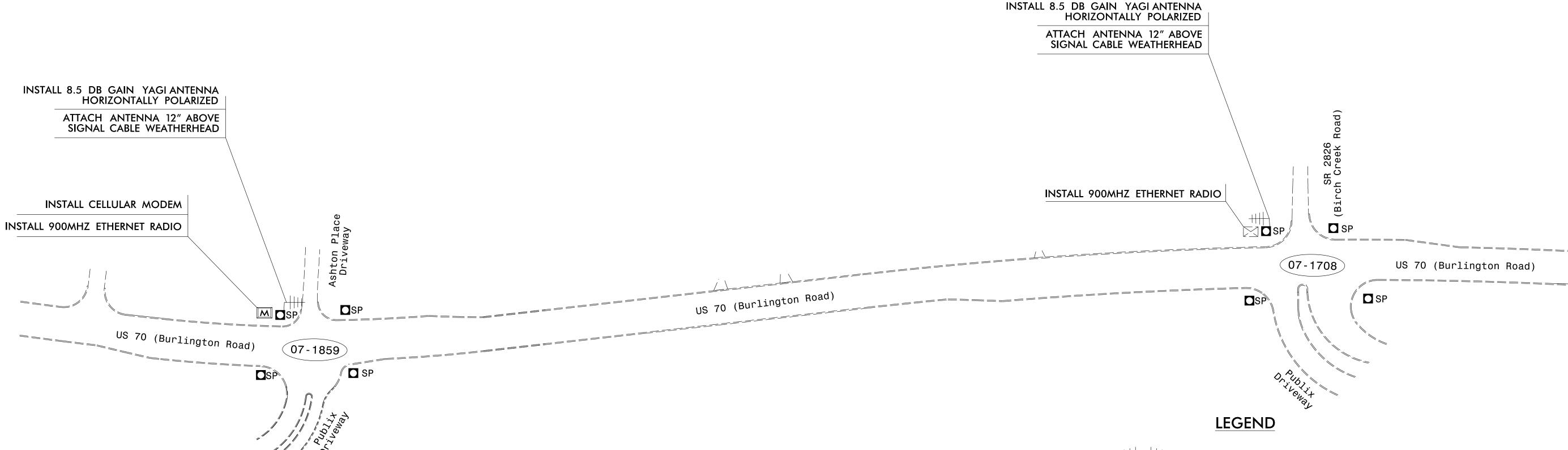
PROJECT REFERENCE NO. SHEET NO. U-2581BA SCP 1



NOTES FOR WIRELESS COMMUNICATIONS:

- 1. INSTALL COAXIAL CABLE:
- A. ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH 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 ARM 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 RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER AND SEAL RISER WITH HEAT SHRINK TUBING RETROFIT KIT.
- 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 ELECTRICAL SAFETY CODE.
- 5. INSTALL WIRELESS 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."

DOUBLE ANTENNA FOR REPEATOR OPERATION

SINGLE ANTENNA

EXISTING CONTROLLER AND CABINET

NEW CONTROLLER AND CABINET

EXISTING MASTER CONTROLLER AND CABINET

XX-XXXX SIGNAL INVENTORY NUMBER

NEW METAL POLE W/MAST ARM

EXISTING METAL POLE W/MAST ARM

NEW METAL POLE

EXISTING METAL POLE

SP SIGNAL POLE

----- EXISTING CONDUIT

NEW JUNCTION BOX

EXISTING JUNCTION BOX



Wireless Communication Plan



US 70 (Burlington Rd)

	Division	7 Guilford	County	Greensbor
	PLAN DATE:	September 2019	REVIEWED BY: M	I. Stygles
529	PREPARED BY:	J. Ma	REVIEWED BY:	

REVISIONS

750 N.Greenfield Pkwy.Garner,NC 27529 PREPARED BY:

SCALE

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1"=100'

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED