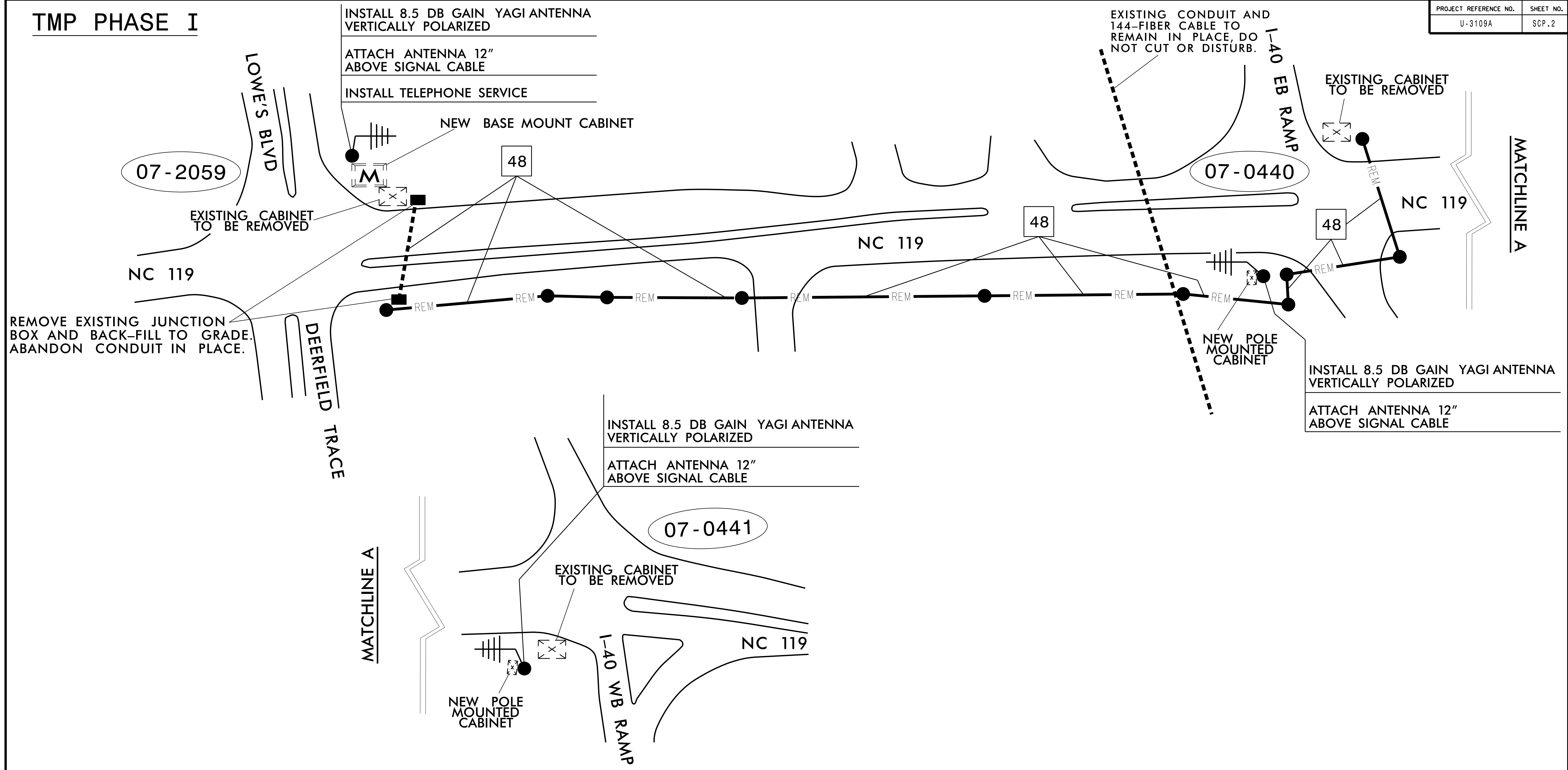


TMP PHASE I



INSTALL 8.5 DB GAIN YAGI ANTENNA
VERTICALLY POLARIZED

ATTACH ANTENNA 12"
ABOVE SIGNAL CABLE

INSTALL TELEPHONE SERVICE

EXISTING CONDUIT AND
144-FIBER CABLE TO
REMAIN IN PLACE, DO
NOT CUT OR DISTURB.

EXISTING CABINET
TO BE REMOVED

REMOVE EXISTING JUNCTION
BOX AND BACK-FILL TO GRADE.
ABANDON CONDUIT IN PLACE.

INSTALL 8.5 DB GAIN YAGI ANTENNA
VERTICALLY POLARIZED

ATTACH ANTENNA 12"
ABOVE SIGNAL CABLE

INSTALL 8.5 DB GAIN YAGI ANTENNA
VERTICALLY POLARIZED

ATTACH ANTENNA 12"
ABOVE SIGNAL CABLE

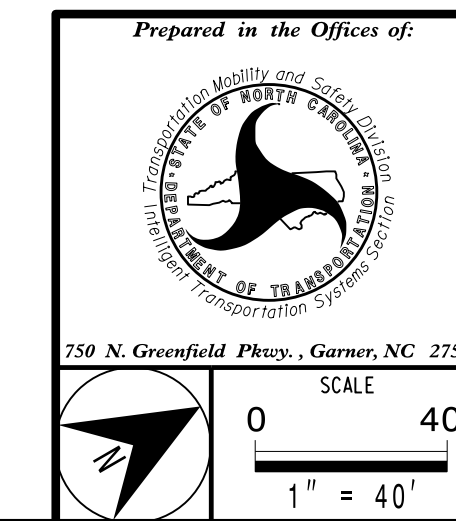
NOTES FOR WIRELESS COMMUNICATIONS:

- INSTALL COAXIAL CABLE:
 - ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
 - 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.
 - ON METAL STRAIN POLES, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
 - 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".
- IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER.
- INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN.
(NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
- 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.)
- REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."

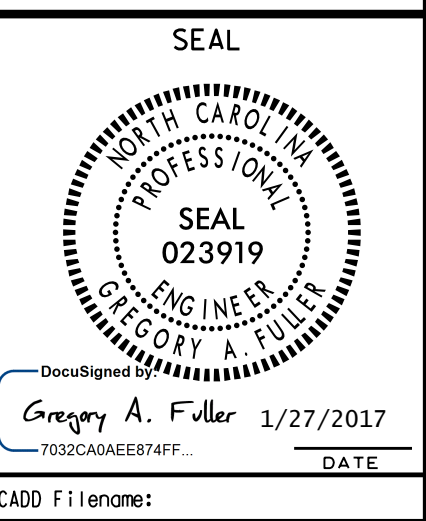
LEGEND

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

TMP PHASE I



WIRELESS COMMUNICATIONS PLAN		SEAL	
DIVISION 07	ALAMANCE COUNTY	MEBANE	
PLAN DATE: JANUARY 2017	REVIEWED BY: <i>Neil Avery</i>		
PREPARED BY: A. J. SKUCE	DATE: _____		
REVISIONS	INIT.	DATE	



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

750 N. Greenfield Pkwy., Garner, NC 27529
SCALE 1" = 40'

DocuSign
Gregory A. Fuller 1/27/2017
DATE