


LEGEND



YAGI ANTENNA (SINGLE)



EXISTING CONTROLLER AND CABINET



GATEWAY RADIO LOCATION




SIGNAL INVENTORY NUMBER



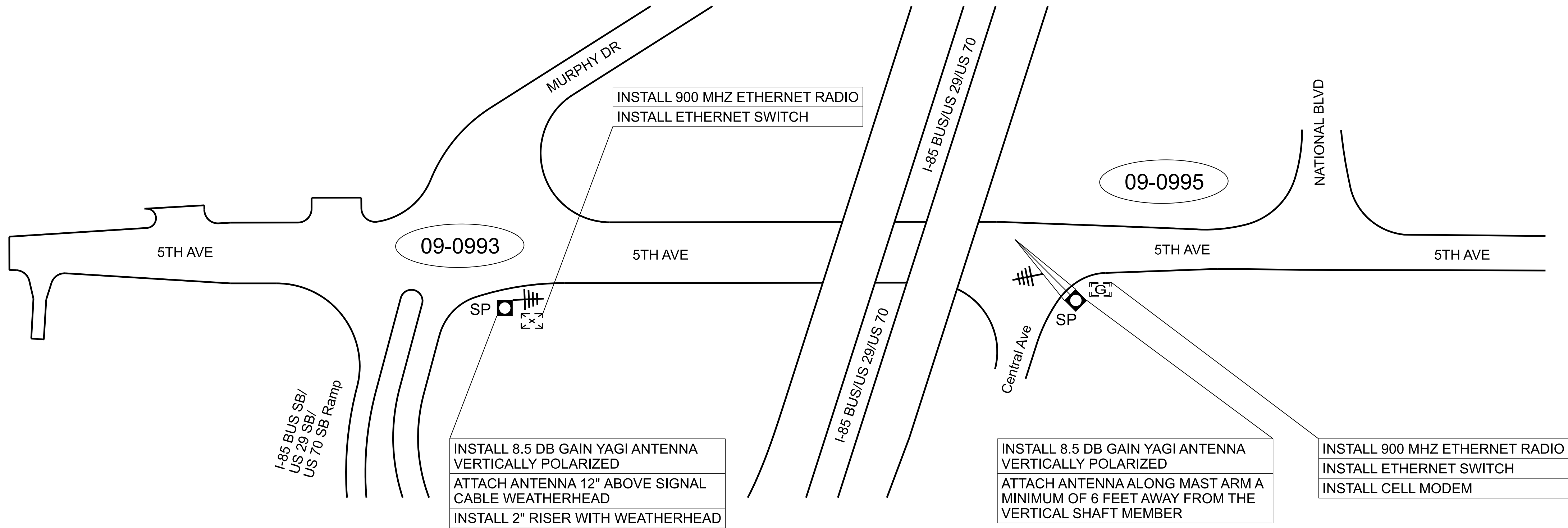
EXISTING METAL POLE W/ MAST ARM



SIGNAL POLE




EXISTING METAL POLE




- NOTES FOR WIRELESS COMMUNICATIONS:
- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION TRAFFIC ENGINEER AT 336-747-7800. NOTIFY NOT COMPLETE UNTIL ALL SIGNALS ARE COMMUNICATING WITH THE CENTRAL SYSTEM.
 - INSTALL COAXIAL CABLE:
 - ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH WEATHERHEAD
 - 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 ARMS 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 WITH 2" WEATHERHEAD.
 - INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN.
(NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
 - INSTALL WIRELESS RADIO 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.)
 - MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
 - REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."
 - CELL MODEMS TO BE SUPPLIED BY THE DEPARTMENT, CONTACT THE DIVISION TRAFFIC ENGINEER AT 336-747-7800 TO REQUEST THE CELL MODEM. ALLOW 8 WEEKS LEAD TIME BEFORE ANTICIPATED DEPLOYMENT.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529




D09-33 LEXINGTON
WIRELESS SIGNAL COMMUNICATIONS

DIVISION 9

DAVIDSON

LEXINGTON

PLAN DATE: FEBRUARY 2025

REVIEWED BY: 

PREPARED BY: M. DIAZ

REVISIONS

INIT.

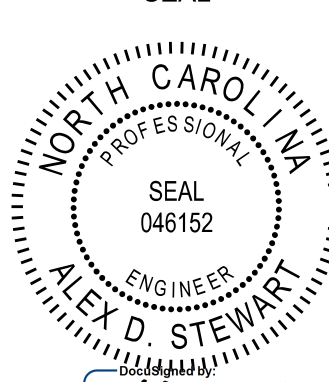
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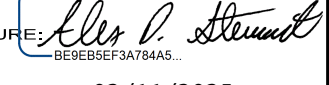
SCALE

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N/A

SEAL



SIGNATURE: 

DATE: 03/13/2025