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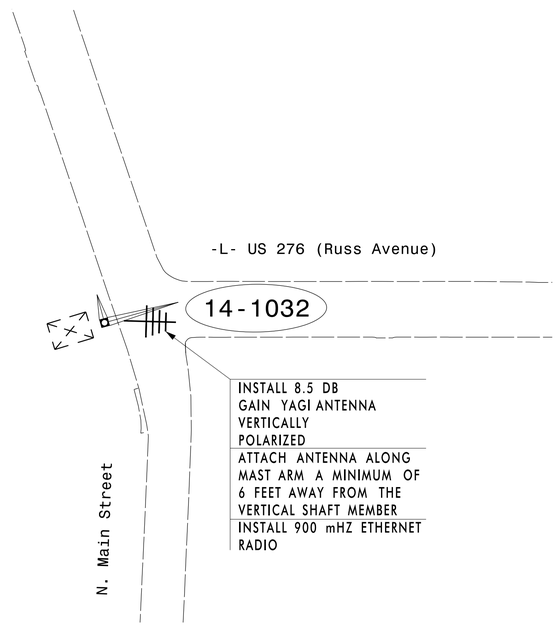
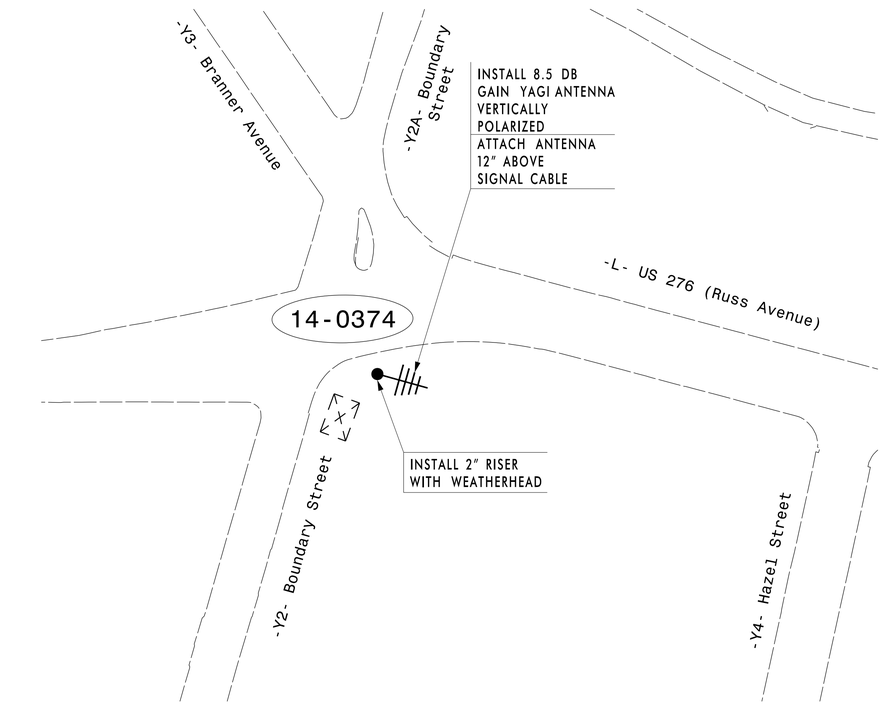
PROJECT REFERENCE NO.	SHEET NO.
U-5839	SCP-2

LEGEND

- YAGI ANTENNA (SINGLE)
- EXISTING CONTROLLER AND CABINET
- EXISTING GATEWAY RADIO LOCATION
- XX-XXXX SIGNAL INVENTORY NUMBER
- EXISTING METAL POLE W/MAST ARM
- EXISTING WOOD POLE





WIRELESS NOTES:

1) INSTALL COAXIAL CABLE

A. ON WOOD POLE, 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. BETWEEN THE POINT OF EXITING THE RISER, 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 WITHIN 2" WEATHERHEAD.

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) 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.

5) MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE MANUAL ELECTRICAL SAFETY CODE.

6) REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."

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