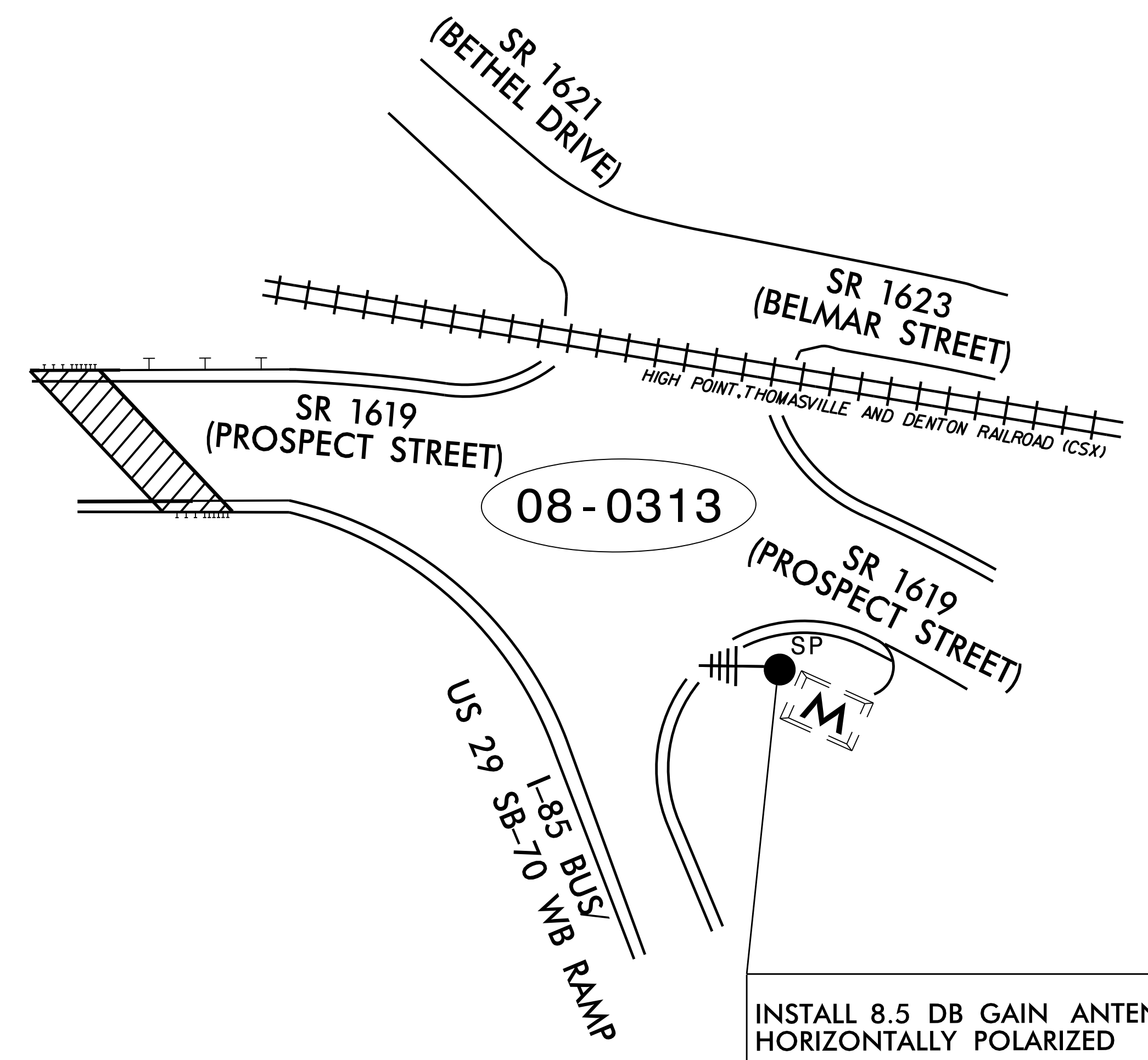
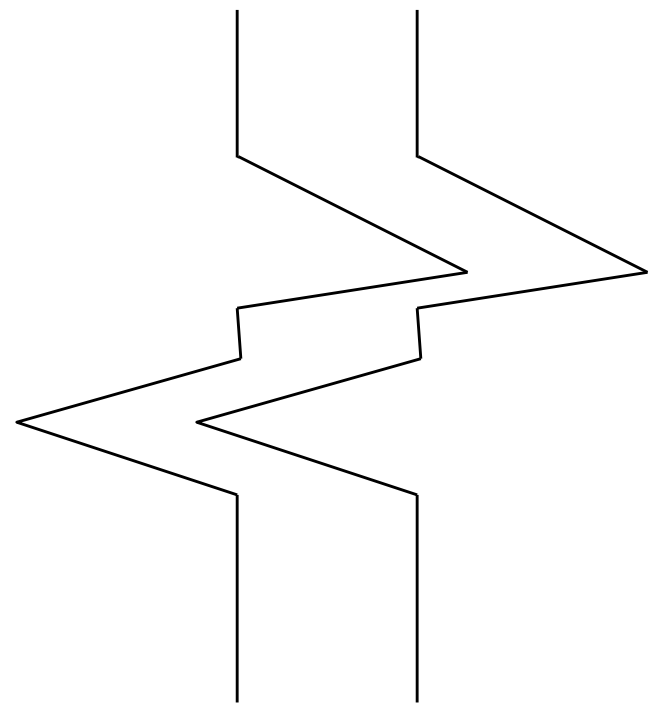


INSTALL 8.5 DB GAIN ANTENNA
HORIZONTALLY POLARIZED

ATTACH ANTENNA 12"
ABOVE SIGNAL CABLE



INSTALL 8.5 DB GAIN ANTENNA
HORIZONTALLY POLARIZED

ATTACH ANTENNA 12"
ABOVE SIGNAL CABLE

INSTALL TELEPHONE SERVICE

- 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 (SINGLE)
	EXISTING CONTROLLER AND CABINET
	EXISTING MASTER CONTROLLER AND CABINET
	SIGNAL INVENTORY NUMBER
	EXISTING WOOD POLE
	SIGNAL POLE

 Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	WIRELESS COMMUNICATION PLAN		
	DIVISION 8 RANDOLPH CO. HIGH POINT PLAN DATE: FEBRUARY 2015 REVIEWED BY: N. Avery PREPARED BY: H. T. BERGGREN REVIEWED BY: 99F5094CBED9443		
SCALE 	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	DocuSigned by: Gregory A. Fuller 2/17/2015 DATE _____