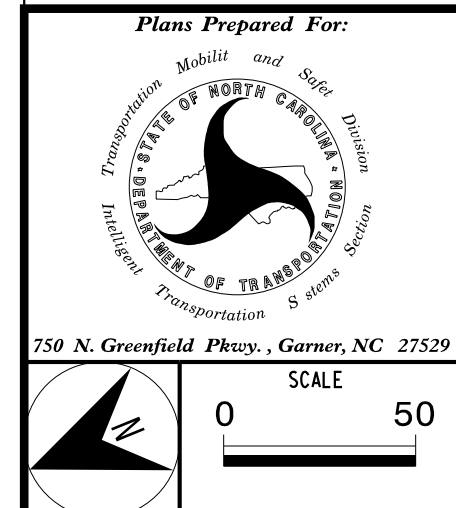


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|----|--|----|--|----|--|-----|--|-----|--|-----|--|----|---|
| 1  | INSTALL COAX CABLE                                     | 12 | INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL                              | 23 | INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) | 34  | INSTALL CABINET FOUNDATION                               | 44  | INSTALL AERIAL GUY ASSEMBLY  | 53A | STORE 20 FEET OF COMMUNICATIONS CABLE              | 64 | BOND MESSENGER CABLE TO POLE GROUND           |
| 2  | INSTALL ETHERNET CABLE                                 | 13 | INSTALL OUTER-DUCT POLYETHYLENE CONDUIT  | 24 | INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET                                       | 35  | INSTALL CCTV CAMERA POLE MOUNTED CABINET                 | 45  | INSTALL STANDARD GUY ASSEMBLY  | 53B | STORE 50 FEET OF EACH COMMUNICATIONS CABLE         | 65 | INSTALL HEAT SHRINK TUBING RETROFIT KIT       |
| 3  | EXISTING ETHERNET (OR COAX) CABLE                      | 14 | INSTALL POLYETHYLENE CONDUIT   | 25 | INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET   | 36  | INSTALL CCTV CAMERA ASSEMBLY                             | 46  | INSTALL SIDEWALK GUY ASSEMBLY  | 54  | LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE     | 66 | INSTALL MOLDABLE DUCT SEAL                    |
| 4  | INSTALL SMFO CABLE                                     | 15 | DIRECTIONAL DRILL CONDUIT  | 26 | INSTALL NEW ETHERNET EDGE SWITCH   | 37  | INSTALL CCTV CAMERA WOOD POLE                            | 47  | INSTALL MESSENGER CABLE  | 55  | LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE | 67 | SLACK SPAN                                    |
| 5  | EXISTING SMFO CABLE                                    | 16 | BORE AND JACK CONDUIT  | 27 | INSTALL NEW FIBER OPTIC TRANSCEIVER  | 38  | INSTALL CCTV CAMERA METAL POLE AND FOUNDATION            | 48A | REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE                   | 56  | LASH CABLE(S) TO NEW MESSENGER CABLE               | 68 | INSTALL CABINET BASE ADAPTER                  |
| 6  | INSTALL FIBER OPTIC DROP CABLE                         | 17 | INSTALL CABLE(S) IN EXISTING CONDUIT   | 28 | INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET         | 39  | INSTALL JUNCTION BOX                                     | 48B | REMOVE EXISTING COMMUNICATIONS CABLE                                 | 57  | MODIFY EXISTING ELECTRICAL SERVICE                 | 69 | REMOVE EXISTING SIGNAL CABINET AND CONTROLLER |
| 7  | INSTALL TRACER WIRE                                    | 18 | INSTALL CABLE(S) IN NEW CONDUIT  | 29 | INSTALL UNDERGROUND SPLICE ENCLOSURE   | 40A | INSTALL OVERSIZED JUNCTION BOX                           | 49  | BACK PULL EXISTING COMMUNICATIONS CABLE                              | 58  | INSTALL NEW ELECTRICAL SERVICE                     | 70 | REMOVE EXISTING CCTV CAMERA ASSEMBLY          |
| 8  | TRENCH   | 19 | INSTALL CABLE(S) IN EXISTING RISER   | 30 | INSTALL AERIAL SPLICE ENCLOSURE  | 40B | INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24") | 50  | INSTALL CELL MODEM AND ANTENNA                                       | 59  | INSTALL NEW EQUIPMENT CABINET DISCONNECT           | 71 | REMOVE EXISTING CCTV CAMERA CABINET           |
| 9  | INSTALL PVC CONDUIT                                    | 20 | INSTALL CABLE(S) IN NEW RISER  | 31 | MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE                                       | 41  | REMOVE EXISTING JUNCTION BOX                             | 51  | INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE | 60  | BOND TRACER WIRE TO EQUIPMENT GROUND BUS           | 72 | REMOVE CABINET FOUNDATION                     |
| 10 | INSTALL RIGID, GALVANIZED STEEL CONDUIT                | 21 | INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS   | 32 | INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER                                      | 42  | INSTALL WOOD POLE  | 52A | INSTALL DELINEATOR MARKER  | 61  | DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS    | 73 | MODIFY EXISTING CABINET FOUNDATION            |
| 11 | INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD | 22 | INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) | 33 | INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER                         | 43  | REMOVE EXISTING WOOD POLE                                | 52B | INSTALL JUNCTION BOX MARKER  | 62  | BOND RISER AND MESSENGER CABLE TO POLE GROUND      | 74 | REMOVE EXISTING WIRELESS SYSTEM               |
|    |  |    |  |    |  |     |  | 63  | BOND RISER TO POLE GROUND  | 75  | INSTALL WIRELESS ETHERNET SYSTEM                   |    |   |

**NOTES:**  
 1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.  
 2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.



Plans Prepared For:  
**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN**

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

| REVISIONS | INIT. | DATE |
|-----------|-------|------|
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|           |       |      |

SCALE: 0 50

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 I. VAN OSDELL  
 3/18/2022  
 CADD File name:

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