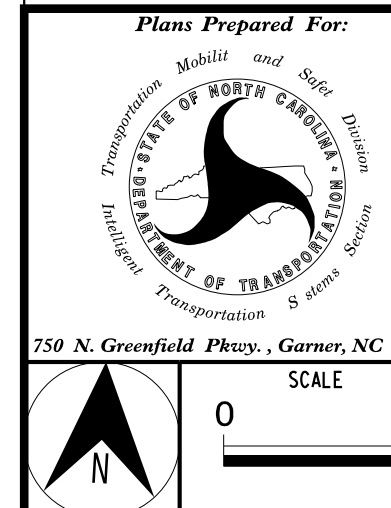


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|--|--|--|---|--|--|---|
| 1. INSTALL COAX CABLE                                      | 12. INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL                              | 23. INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING 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               |

**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.

3/17/2022 KARAL.TPTD.LTS\01036569\_Gastonia\_SignalSystem\6\_Tasks\Plans\Cable\_Routing\SH040\_CR.dgn



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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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 I. VAN OSDELL  
 3/18/2022  
 CADD File name: