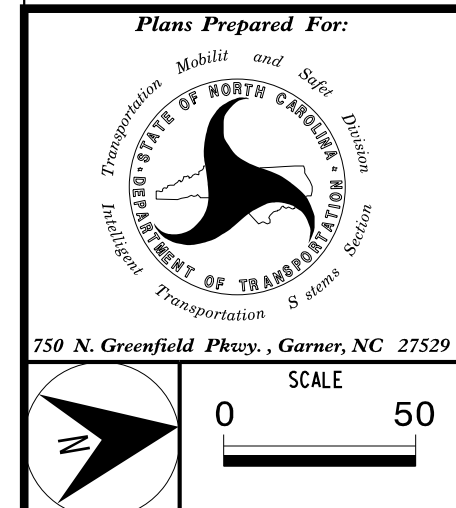


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|--|--|--|---|--|--|---|
| 1. INSTALL COAX CABLE                                      | 12. INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL                              | 23. INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING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



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  
 No. 028952  
 Iger Van Osdel  
 DATE: 3/18/2022  
 CADD Filename:

3/17/2022  
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