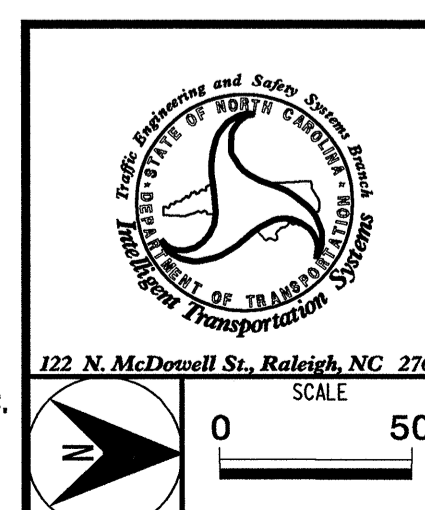


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|--|--|---|---|--|
| <ul style="list-style-type: none"> <li>17. INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>18. INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>19. INSTALL REA, PE - 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>20. INSTALL SMFO CABLE</li> <li>21. INSTALL GASTONIA ELECTRIC CABLE</li> <li>22. INSTALL MMFO CABLE</li> <li>23. INSTALL FIBER OPTIC DROP CABLE</li> <li>24. INSTALL TRACER WIRE</li> <li>25. TRENCH</li> <li>26. INSTALL PVC CONDUIT</li> <li>27. INSTALL RIGID, GALVANIZED STEEL CONDUIT</li> <li>28. INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</li> <li>29. INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING</li> <li>30. INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</li> <li>31. INSTALL POLYETHYLENE CONDUIT</li> <li>32. DIRECTIONAL DRILL CONDUIT</li> <li>33. BORE AND JACK CONDUIT</li> </ul> | <ul style="list-style-type: none"> <li>17. INSTALL CABLE(S) IN EXISTING CONDUIT</li> <li>18. INSTALL CABLE(S) IN NEW CONDUIT</li> <li>19. INSTALL CABLE(S) IN EXISTING RISER</li> <li>20. INSTALL CABLE(S) IN NEW RISER</li> <li>21. INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS</li> <li>22. INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>23. INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>24. INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</li> <li>25. INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</li> <li>26. TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>27. INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>28. INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPICE CABLE IN CABINET</li> <li>29. INSTALL UNDERGROUND SPICE ENCLOSURE</li> <li>30. INSTALL AERIAL SPICE ENCLOSURE</li> <li>31. INSTALL POLE MOUNTED SPICE CABINET</li> <li>32. INSTALL BASE MOUNTED SPICE CABINET</li> <li>33. REMOVE EXISTING SPICE CABINET</li> </ul> | <ul style="list-style-type: none"> <li>34. INSTALL CABINET FOUNDATION</li> <li>35. REMOVE EXISTING CABINET FOUNDATION</li> <li>36. INSTALL CCTV CAMERA ASSEMBLY</li> <li>37. INSTALL CCTV CAMERA WOOD POLE</li> <li>38. INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</li> <li>39. INSTALL JUNCTION BOX</li> <li>40. INSTALL OVERSIZED JUNCTION BOX</li> <li>41. REMOVE EXISTING JUNCTION BOX</li> <li>42. INSTALL WOOD POLE</li> <li>43. REMOVE EXISTING WOOD POLE</li> <li>44. INSTALL AERIAL GUY ASSEMBLY</li> <li>45. INSTALL STANDARD GUY ASSEMBLY</li> <li>46. INSTALL SIDEWALK GUY ASSEMBLY</li> <li>47. INSTALL MESSENGER CABLE</li> <li>48. REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE</li> <li>49. REMOVE EXISTING COMMUNICATIONS CABLE</li> <li>50. INSTALL TELEPHONE SERVICE</li> <li>51. INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF SIGNAL SYSTEM CABLE</li> </ul> | <ul style="list-style-type: none"> <li>51A. INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE</li> <li>52. INSTALL FIBER OPTIC DELINEATOR MARKER</li> <li>53. STORE 20 FEET OF COMMUNICATIONS CABLE</li> <li>54. LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE</li> <li>55. LASH CABLE(S) TO EXISTING MESSENGER CABLE</li> <li>56. LASH CABLE(S) TO NEW MESSENGER CABLE</li> <li>57. MODIFY EXISTING ELECTRICAL SERVICE</li> <li>58. INSTALL NEW ELECTRICAL SERVICE</li> <li>59. INSTALL VIDEO OPTIC TRANSMITTER WITH DATA</li> <li>60. INSTALL FIBER OPTIC TRANSCIVER</li> <li>61. REMOVE EXISTING CONTROLLER AND CABINET</li> <li>62. INSTALL NEW CONTROLLER</li> <li>63. INSTALL SPECIAL JUNCTION BOX</li> <li>64. INSTALL SYSTEM LOOP</li> <li>65. INSTALL SYSTEM LOOP AMPLIFIER</li> <li>66. INSTALL SYSTEM LOOP LEAD-IN CABLE</li> <li>67. MODIFY EXISTING CABINET FOUNDATION</li> </ul> | <ul style="list-style-type: none"> <li>68. INSTALL UNI-DIRECTIONAL YAGI ANTENNA</li> <li>69. INSTALL OMNI-DIRECTIONAL ANTENNA</li> <li>70. INSTALL RADIO TRANSCIVER</li> <li>71. REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING</li> <li>72. INSTALL NEW 332 BASE MOUNTED CABINET</li> <li>73. INSTALL NEW 336S POLE MOUNTED CABINET</li> <li>74. INSTALL TERMINAL SPICE BOX</li> <li>75. INSTALL GASTONIA ELECTRIC AERIAL SPICE ENCLOSURE</li> <li>76. INSTALL GASTONIA ELECTRIC UNDERGROUND SPICE ENCLOSURE</li> </ul> |
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ALL NCDOT ATTACHMENT POINTS ARE 40" BELOW POWER, FRONT SIDE OF POLE, UNLESS OTHERWISE NOTED.

PLANS PREPARED IN THE OFFICE OF:  
  
**Kimley-Horn and Associates, Inc.**  
 P.O. Box 33068  
 Raleigh, N.C. 27636-3068  
 (919) 677-2000



**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE ROUTING PLANS**

DIVISION 12 GASTON COUNTY

PLAN DATE: MAY 26, 2005 REVIEWED BY: I.Z. VANOSDELL

PREPARED BY: J.C. CROSS REVIEWED BY: M.W. DUNZO

REVISIONS	INIT.	DATE

SEAL

MARK DUNZO  
 ENGINEER  
 5/22/05  
 DATE

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