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| <ul style="list-style-type: none"> <li>▲ INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>▲ INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>▲ INSTALL REA, PE - 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>▲ INSTALL SMFO CABLE</li> <li>▲ INSTALL GASTONIA ELECTRIC CABLE</li> <li>▲ INSTALL MMFO CABLE</li> <li>▲ INSTALL FIBER OPTIC DROP CABLE</li> <li>▲ INSTALL TRACER WIRE</li> <li>⑧ TRENCH</li> <li>⑨ INSTALL PVC CONDUIT</li> <li>⑩ INSTALL RIGID, GALVANIZED STEEL CONDUIT</li> <li>⑪ INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</li> <li>⑫ INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING</li> <li>⑬ INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</li> <li>⑭ INSTALL POLYETHYLENE CONDUIT</li> <li>⑮ DIRECTIONAL DRILL CONDUIT</li> <li>⑯ 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 SPlice CABLE IN CABINET</li> <li>㉙ INSTALL UNDERGROUND SPlice ENCLOSURE</li> <li>㉚ INSTALL AERIAL SPlice ENCLOSURE</li> <li>㉛ INSTALL POLE MOUNTED SPlice CABINET</li> <li>㉜ INSTALL BASE MOUNTED SPlice CABINET</li> <li>㉝ REMOVE EXISTING SPlice 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>50 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 SPlice BOX</li> <li>75 INSTALL GASTONIA ELECTRIC AERIAL SPlice ENCLOSURE</li> <li>76 INSTALL GASTONIA ELECTRIC UNDERGROUND SPlice 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:  
  
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 (919) 677-2000

  
 122 N. McDowell St., Raleigh, NC 27603  
 SCALE 0 50  

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

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  
  
 SIGNATURE: *Mark Dunzo* DATE: 5/27/05  
 CADD Filename: ...shf021.dgn

05/26/2005 P:\systems\pro\techs\01036097\gastonia\shf021.dgn