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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>○ TRENCH</li> <li>○ INSTALL PVC CONDUIT</li> <li>○ INSTALL RIGID, GALVANIZED STEEL CONDUIT</li> <li>○ INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</li> <li>○ INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING</li> <li>○ INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</li> <li>○ INSTALL POLYETHYLENE CONDUIT</li> <li>○ DIRECTIONAL DRILL CONDUIT</li> <li>○ BORE AND JACK CONDUIT</li> </ul> | <ul style="list-style-type: none"> <li>○ INSTALL CABLE(S) IN EXISTING CONDUIT</li> <li>○ INSTALL CABLE(S) IN NEW CONDUIT</li> <li>○ INSTALL CABLE(S) IN EXISTING RISER</li> <li>○ INSTALL CABLE(S) IN NEW RISER</li> <li>○ INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS</li> <li>○ INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>○ INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</li> <li>○ INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</li> <li>○ INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</li> <li>○ TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>○ INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET</li> <li>○ INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPlice CABLE IN CABINET</li> <li>○ INSTALL UNDERGROUND SPlice ENCLOSURE</li> <li>○ INSTALL AERIAL SPlice ENCLOSURE</li> <li>○ INSTALL POLE MOUNTED SPlice CABINET</li> <li>○ INSTALL BASE MOUNTED SPlice CABINET</li> <li>○ REMOVE EXISTING SPlice CABINET</li> </ul> | <ul style="list-style-type: none"> <li>■ INSTALL CABINET FOUNDATION</li> <li>■ REMOVE EXISTING CABINET FOUNDATION</li> <li>■ INSTALL CCTV CAMERA ASSEMBLY</li> <li>■ INSTALL CCTV CAMERA WOOD POLE</li> <li>■ INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</li> <li>■ INSTALL JUNCTION BOX</li> <li>■ INSTALL OVERSIZED JUNCTION BOX</li> <li>■ REMOVE EXISTING JUNCTION BOX</li> <li>■ INSTALL WOOD POLE</li> <li>■ REMOVE EXISTING WOOD POLE</li> <li>■ INSTALL AERIAL GUY ASSEMBLY</li> <li>■ INSTALL STANDARD GUY ASSEMBLY</li> <li>■ INSTALL SIDEWALK GUY ASSEMBLY</li> <li>■ INSTALL MESSENGER CABLE</li> <li>■ REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE</li> <li>■ REMOVE EXISTING COMMUNICATIONS CABLE</li> <li>■ INSTALL TELEPHONE SERVICE</li> <li>■ 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:  
  
 Kimley-Horn and Associates, Inc.  
 P.O. Box 33068  
 Raleigh, N.C. 27636-3068  
 (919) 677-2000

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

<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE ROUTING PLANS</b>	
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  
  
 ENGINEER  
 MARK DUNZO  
 5/27/05  
 SIGNATURE DATE  
 CADD Filename: ...shf116.dgn

NOTE:  
 1. CREATE LINE OF SIGHT BASED WIRELESS LINK WITH INTERSECTION CITY-11.

05/27/2005 T:\systems\proj\01036097(gastonia)\shf116.dgn