



**GENERAL NOTE:**

AFTER ALL NEW CABLES ARE INSTALLED AND THE SYSTEM INTERSECTIONS ARE OPERATING, REMOVE THE EXISTING CABLES LABELED "REM". PRIOR TO REMOVING, COORDINATE THESE ACTIVITIES WITH PWC. PWC CONTACT: DARLENE GOODHART AT (910) 223-4526.

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| <ul style="list-style-type: none"> <li>1 INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>2 INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE</li> <li>3 INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER CABLE</li> <li>4 INSTALL SMFO CABLE</li> <li>5 INSTALL WEATHERPROOF CATEGORY 5e UTP - 4 PAIR 23 AWG CABLE (PoE)</li> <li>6 INSTALL FIBER OPTIC DROP CABLE</li> <li>7 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>12A INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</li> <li>12B INSTALL CABLES/DROP CABLE THROUGH NIPPLE ON METAL POLE (SIGNAL OR JOINT USE). INSTALL HEAT SHRINK TUBING OVER NIPPLE.</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> <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 CABINET</li> <li>32 INSTALL BASE MOUNTED SPICE CABINET (336) WITH EXTEND BASE</li> <li>33 REMOVE EXISTING SPICE CABINET</li> <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 ETHERNET SWITCH</li> <li>51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</li> <li>52 INSTALL DELINEATOR MARKER</li> <li>53 STORE 50 FEET OF COMMUNICATIONS CABLE</li> <li>54 LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE</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 FOR DMS/CCTV</li> <li>59 INSTALL NEW BASE MOUNTED CABINET (336)</li> <li>60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL</li> <li>61 ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS.</li> <li>62 INSTALL TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET</li> </ul> | <ul style="list-style-type: none"> <li>SPC NEW SPICE CABINET, BASE MOUNTED</li> <li>TV EXISTING CCTV CABINET</li> <li>FO NEW FIBER OPTIC COMMUNICATIONS CABLE</li> <li>REM EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED</li> <li>PP EXISTING POWER PEDESTAL</li> <li>174 UTILITY POLE TAG NUMBER</li> <li>JU JOINT USE POLE</li> <li>MP METAL POLE</li> </ul> |
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**PHASE II FIBER TRUNK CABLE INSTALLATION**

Prepared for the Offices of:

750 N. Greenfield Plaza, Garner, NC 27529

**US 401 BUSINESS (RAEFORD ROAD)  
SIGNAL SYSTEM AND  
COMMUNICATIONS CABLE /  
CONDUIT ROUTING PLANS**

DIVISION 06 CUMBERLAND CO. FAYETTEVILLE

PLAN DATE: MARCH 2018 REVIEWED BY: D. HARRIS

PREPARED BY: J. INGRAM REVIEWED BY: B. WATSON

SEAL

Lawrence E. Overton  
Professional Engineer  
No. 045933  
State of North Carolina

REVISIONS	INIT.	DATE

SCALE  
NTS

DocuSigned by:  
Lawrence E. Overton 3/29/2018

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3/27/2018 U:\17100\1766\transportation\design\tr\off\c\signal\des\ign\ITS U-4405\*SCP Cable Routing.dgn F:\les\*260\_70\_U-4405\_SCP\_14\_180329.dgn  
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