



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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|---|--|---|--|
| 1 INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE   | 15 DIRECTIONAL DRILL CONDUIT   | 30 INSTALL AERIAL SPlice ENCLOSURE                          | 46 INSTALL SIDEWALK GUY ASSEMBLY   |
| 2 INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE  | 16 BORE AND JACK CONDUIT   | 31 INSTALL POLE MOUNTED CABINET                             | 47 INSTALL MESSENGER CABLE   |
| 3 INSTALL 3-CONDUCTOR, CLASS B, STRANDED UNDERGROUND POWER CABLE  | 17 INSTALL CABLE(S) IN EXISTING CONDUIT  | 32 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE | 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE  |
| 4 INSTALL SMFO CABLE  | 18 INSTALL CABLE(S) IN NEW CONDUIT   | 33 REMOVE EXISTING SPlice CABINET                           | 49 REMOVE EXISTING COMMUNICATIONS CABLE  |
| 5 INSTALL WEATHERPROOF CATEGORY 5e UTP - 4 PAIR 23 AWG CABLE (PcE)  | 19 INSTALL CABLE(S) IN EXISTING RISER  | 34 INSTALL CABINET FOUNDATION                               | 50 INSTALL ETHERNET SWITCH   |
| 6 INSTALL FIBER OPTIC DROP CABLE  | 20 INSTALL CABLE(S) IN NEW RISER   | 35 REMOVE EXISTING CABINET FOUNDATION                       | 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE                                  |
| 7 INSTALL TRACER WIRE   | 21 INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS   | 36 INSTALL CCTV CAMERA ASSEMBLY                             | 52 INSTALL DELINEATOR MARKER   |
| 8 TRENCH  | 22 INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)            | 37 INSTALL CCTV CAMERA WOOD POLE                            | 53 STORE 50 FEET OF COMMUNICATIONS CABLE   |
| 9 INSTALL PVC CONDUIT   | 23 INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)              | 38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION            | 54 LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE  |
| 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT  | 24 INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET  | 39 INSTALL JUNCTION BOX                                     | 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE   |
| 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD   | 25 INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET  | 40 INSTALL OVERSIZED JUNCTION BOX                           | 56 LASH CABLE(S) TO NEW MESSENGER CABLE  |
| 12A INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL   | 26 TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET | 41 REMOVE EXISTING JUNCTION BOX                             | 57 MODIFY EXISTING ELECTRICAL SERVICE  |
| 12B INSTALL CABLES/DROP CABLE THROUGH NIPPLE ON METAL POLE (SIGNAL OR JOINT USE). INSTALL HEAT SHRINK TUBING OVER NIPPLE. | 27 INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET                                | 42 INSTALL WOOD POLE  | 58 INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV   |
| 13 INSTALL OUTER-DUCT POLYETHYLENE CONDUIT  | 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPICE CABLE IN CABINET                      | 43 REMOVE EXISTING WOOD POLE                                | 59 INSTALL NEW BASE MOUNTED CABINET (336)  |
| 14 INSTALL POLYETHYLENE CONDUIT   | 29 INSTALL UNDERGROUND SPICE ENCLOSURE   | 44 INSTALL AERIAL GUY ASSEMBLY                              | 60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL |

Stantec Consulting Services Inc.  
801 Jones Franklin Road  
Suite 300  
Raleigh, NC 27606  
Tel. (919) 851-6866  
Fax. (919) 851-7024  
www.stantec.com  
License No. F-0672

**PHASE I FIBER TRUNK CABLE INSTALLATION**

Prepared for the Offices of:

750 N. Greenfield Plaza, Garner, NC 27529

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

DIVISION 06 CUMBERLAND CO. FAYETTEVILLE

PLAN DATE: APRIL 2019 REVIEWED BY: D. HARRIS

PREPARED BY: B. KEFFER REVIEWED BY: L. OVERN

SEAL

5/9/2019

REVISIONS	INIT.	DATE

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