



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.

- | | | | |
|--|---|--|---|
| 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. INSTALL BASE MOUNTED SPlice CABINET (336) WITH EXTEND BASE | 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 (PoE) | 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 |

- 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.
- 62. INSTALL TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET
- SPC. PROPOSED TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET.
- TV. NEW SPlice CABINET, BASE MOUNTED
- EXISTING CCTV CABINET
- FO. NEW FIBER OPTIC COMMUNICATIONS CABLE
- REM. EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED
- PP. EXISTING POWER PEDESTAL
- 174. UTILITY POLE TAG NUMBER
- JU. JOINT USE POLE
- MP. METAL POLE

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

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

Prepared for the Offices of:

 DIVISION 06 CUMBERLAND CO. FAYETTEVILLE
 PLAN DATE: APRIL 2019 REVIEWED BY: D. HARRIS
 PREPARED BY: B. KEFFER REVIEWED BY: L. OVERN

SCALE
NTS

REVISIONS	INIT.	DATE

SEAL
LAWRENCE E. OVERN
ENGINEER
045933

750 N. Greenfield Plaza, Garner, NC 27529

DocuSign by: 5/9/2019
 CADD FILE NAME

8:57:15 AM
 U:\Traffic\esign\ITS_U-4405A\SCP_Cable_Routing\00N_Files_U-4405A\U-4405A_SCP-04_SCP.dgn
 User: jnambright