

- 1 INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
- 2 INSTALL REA, PE – 38, (FIGURE – 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
- 3 INSTALL REA, PE – 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
- 4 INSTALL SMFO CABLE
- 5 INSTALL MMFO CABLE
- 6 INSTALL FIBER OPTIC DROP CABLE
- 7 INSTALL TRACER WIRE
- 8 TRENCH
- 9 INSTALL PVC CONDUIT
- 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 12 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
- 13 INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
- 14 INSTALL POLYETHYLENE CONDUIT
- 15 DIRECTIONAL DRILL CONDUIT
- 16 BORE AND JACK CONDUIT
- 17 INSTALL CABLE(S) IN EXISTING CONDUIT
- 18 INSTALL CABLE(S) IN NEW CONDUIT
- 19 INSTALL CABLE(S) IN EXISTING RISER RESEAL WITH HEAT SHRINK TUBING RETRO FIT KIT
- 20 INSTALL CABLE(S) IN NEW RISER
- 21 INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS
- 22 INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 23 INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 24 INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
- 25 INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
- 26 TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMTRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
- 27 INSTALL NEW TELEMTRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
- 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPlice CABLE IN CABINET
- 29 INSTALL UNDERGROUND SPlice ENCLOSURE
- 30 INSTALL AERIAL SPlice ENCLOSURE
- 30A EXISTING AERIAL SPlice ENCLOSURE
- 31 INSTALL POLE MOUNTED SPlice CABINET
- 31A EXISTING POLE MOUNTED SPlice CABINET
- 32 INSTALL BASE MOUNTED SPlice CABINET
- 32A EXISTING BASE MOUNTED SPlice CABINET
- 33 REMOVE EXISTING SPlice CABINET
- 33A REMOVE EXISTING AERIAL SPlice ENCLOSURE

- 34 INSTALL CABINET FOUNDATION
- 35 REMOVE EXISTING CABINET FOUNDATION
- 35A REMOVE EXISTING CABINET
- 36 INSTALL CCTV CAMERA ASSEMBLY
- 36A EXISTING CCTV CAMERA ASSEMBLY
- 36B REMOVE EXISTING CCTV CAMERA ASSEMBLY
- 37 INSTALL CCTV CAMERA WOOD POLE
- 38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 38A EXISTING CCTV CAMERA METAL POLE AND FOUNDATION
- 39 INSTALL JUNCTION BOX
- 40 INSTALL OVERSIZED JUNCTION BOX
- 40A EXISTING OVERSIZED JUNCTION BOX
- 41 REMOVE EXISTING JUNCTION BOX
- 42 INSTALL WOOD POLE
- 43 REMOVE EXISTING WOOD POLE
- 44 INSTALL AERIAL GUY ASSEMBLY
- 45 INSTALL STANDARD GUY ASSEMBLY
- 46 INSTALL SIDEWALK GUY ASSEMBLY
- 47 INSTALL MESSENGER CABLE
- 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
- 49 REMOVE EXISTING COMMUNICATIONS CABLE
- 50 INSTALL TELEPHONE SERVICE
- 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
- 51A EXISTING CABLE STORAGE RACKS (SNOW SHOES) WITH 100 FEET OF CABLE
- 52 INSTALL DELINEATOR MARKER
- 53 STORE 20 FEET OF COMMUNICATIONS CABLE
- 53A STORE 60 FEET OF COMMUNICATIONS CABLE
- 54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
- 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 56 LASH CABLE(S) TO NEW MESSENGER CABLE
- 57 MODIFY EXISTING ELECTRICAL SERVICE
- 58 INSTALL NEW ELECTRICAL SERVICE
- 58A EXISTING ELECTRICAL SERVICE
- 59 REUSE EXISTING TRANSCEIVER FOR MVD
- 59A INSTALL TRANSCEIVER FOR MVD
- 60 INSTALL POLE MOUNTED CCTV CABINET
- 60A EXISTING POLE MOUNTED CCTV CABINET
- 61 INSTALL FIBER OPTIC DATA TRANSCEIVER
- 61A EXISTING FIBER OPTIC DATA TRANSCEIVER
- 62 INSTALL FIBER OPTIC VIDEO TRANSMITTER W/DATA
- 62A EXISTING FIBER OPTIC VIDEO TRANSMITTER W/DATA

- 62B RELOCATE AND REUSE EXISTING FIBER OPTIC VIDEO TRANSMITTER W/DATA AND INSTALL NEW VIDEO ENCODER
- 63 INSTALL POLE MOUNTED MICROWAVE VEHICLE DETECTOR
- 63A EXISTING POLE MOUNTED MICROWAVE VEHICLE DETECTOR
- 63B RELOCATE AND REUSE EXISTING POLE MOUNTED MICROWAVE VEHICLE DETECTOR

**LEGEND**

- F O NEW FIBER OPTIC COMMUNICATIONS CABLE
- TWIST PR NEW TWISTED PAIR COMMUNICATIONS CABLE
- EXI EXISTING COMMUNICATIONS CABLE
- REM EXISTING COMMUNICATIONS CABLE TO BE REMOVED
- NEW AERIAL GUY ASSEMBLY
- NEW CONDUIT
- EXISTING CONDUIT
- D D NEW DIRECTIONAL DRILLED CONDUIT
- B & J NEW BORED AND JACKED CONDUIT
- NEW JUNCTION BOX
- EXISTING JUNCTION BOX
- EXISTING WOOD POLE (NOT AFFECTED BY PROJECT)
- EXISTING WOOD POLE (TO BE REMOVED BY OTHERS)
- NEW WOOD POLE (BY OTHERS)
- EXISTING AERIAL SPlice ENCLOSURE
- NEW AERIAL SPlice ENCLOSURE
- NEW METAL POLE
- EXISTING METAL POLE
- NEW CCTV CAMERA ASSEMBLY
- EXISTING CCTV CAMERA ASSEMBLY
- NEW STANDARD GUY ASSEMBLY
- NEW SIDEWALK GUY ASSEMBLY
- EXISTING CABLE STORAGE RACKS (SNOW SHOES)
- NEW CABLE STORAGE RACKS (SNOW SHOES)
- EXISTING CONTROLLER AND CABINET
- EXISTING SPlice CABINET
- NEW SPlice CABINET
- SP SIGNAL POLE
- XX-XXXX SIGNAL INVENTORY NUMBER
- YAGI ANTENNA (SINGLE)
- OMNI ANTENNA

**CONSTRUCTION NOTE SYMBOLOGY KEY**

- INDICATES NUMBER OF CABLES, LOOPS, ETC.
  - INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
  - INDICATES NUMBER OF RISER(S)/CONDUIT(S)
  - INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)
- NUMBER OF CABLE(S) NUMBER OF FIBER/TWISTED PAIRS  
 NUMBER OF RISER(S)/CONDUIT(S) DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

**SEPI**  
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**CONSTRUCTION NOTES**

Division 4 Johnston County Clayton

PLAN DATE: August 2017 REVIEWED BY: B L Johnson

PREPARED BY: J Kopaskie REVIEWED BY:

SCALE: 0 N/A

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by:  
Joseph Kopaskie  
10/3/2017

SIG. INVENTORY NO. 04-1428