

- 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 CAT 5e COMMUNICATIONS 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 INSTALL BRIDGE MOUNTED FIBERGLASS CONDUIT, WITH FOUR-WAY INNERDUCT INSERT
- 17 INSTALL CABLE(S) IN EXISTING CONDUIT
- 18 INSTALL CABLE(S) IN NEW CONDUIT
- 19 INSTALL CABLE(S) IN EXISTING RISER
- 20 INSTALL CABLE(S) IN NEW RISER
- 21 INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
- 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 TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
- 27 INSTALL NEW TELEMETRY 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
- 31 INSTALL POLE MOUNTED SPlice CABINET
- 32 INSTALL BASE MOUNTED SPlice CABINET (336) WITH EXTENDED BASE
- 33 REMOVE EXISTING SPlice CABINET
- 34 INSTALL CABINET FOUNDATION
- 35 REMOVE EXISTING CABINET FOUNDATION

- 36 INSTALL CCTV CAMERA ASSEMBLY
- 37 INSTALL CCTV CAMERA WOOD POLE
- 38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 39 INSTALL SPECIAL OVERSIZED JUNCTION BOX WITH 100 FEET OF COMMUNICATION CABLE
- 40 INSTALL OVERSIZED JUNCTION BOX
- 41 INSTALL BRIDGE MOUNTED 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 REEL END SPlice
- 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
- 52 INSTALL DELINEATOR MARKER
- 53 STORE 50 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 FOR DMS/CCTV
- 59 INSTALL NEW BASE MOUNTED CABINET (336)
- 60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND CABINETS WITH MOLDABLE DUCT SEAL
- 61 INSTALL ETHERNET SWITCH
- 62 LOCATE EXISTING JUNCTION BOX AND CONNECT WITH NEW CONDUIT
- 63 BOND MESSENGER CABLE AND RISER TO POLE GROUND

**GENERAL NOTE:**

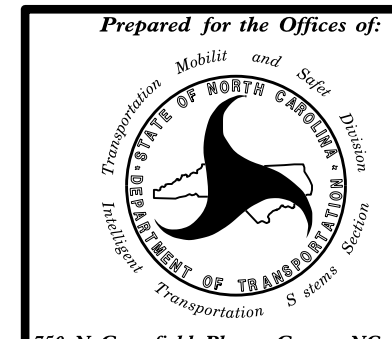
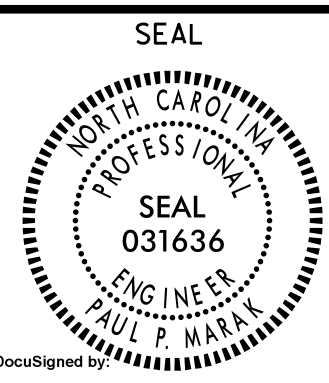
CONTRACTOR TO MAINTAIN A MINIMUM OF SIX (6) FEET FROM EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.

**LEGEND**

- FD NEW AERIAL FIBER OPTIC COMMUNICATIONS CABLE
- EXI EXISTING COMMUNICATIONS CABLE
- X EXISTING FENCE LINE
- EXISTING WATER LINE /WETLANDS
- PROPOSED CONDUIT
- EXISTING CONDUIT
- DD NEW DIRECTIONAL DRILLED CONDUIT
- BBJ NEW BORED AND JACKED CONDUIT
- NEW JUNCTION BOX
- EXISTING JUNCTION BOX
- NEW WOOD POLE
- EXISTING WOOD POLE
- S NEW AERIAL SPlice ENCLOSURE
- NEW METAL SIGNAL POLE
- S NEW UNDERGROUND SPlice CLOSURE
- EXISTING METAL SIGNAL POLE
- EXISTING CCTV CAMERA ASSEMBLY
- NEW STANDARD GUY ASSEMBLY
- NEW STANDARD GUY USING EXISTING ANCHOR
- NEW SIDEWALK GUY ASSEMBLY
- NEW CABLE STORAGE RACKS (SNOW SHOES)
- EXISTING CONTROLLER AND CABINET
- EXISTING SPlice CABINET
- EXISTING DYNAMIC MESSAGE SIGN (DMS) ON SINGLE STEEL POLE
- SP SIGNAL POLE
- XXXX-XX ITS FIELD DEVICES

**CONSTRUCTION NOTE SYMBOLOGY KEY**

- XX INDICATES NUMBER OF CABLES, LOOPS, ETC.
  - XX INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
  - XX INDICATES NUMBER OF RISER(S)/CONDUIT(S)
  - XX INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)
- Diagram illustrating symbology: A triangle with 'XX' inside is labeled 'NUMBER OF CABLE(S)'. A circle with 'XX' inside is labeled 'NUMBER OF RISER(S)/CONDUIT(S)'. A diamond with 'XX' inside is labeled 'DIAMETER OF RISER(S)/CONDUIT(S) (INCH)'. A square with 'XX' inside is labeled 'NUMBER OF FIBERS/TWISTED PAIRS'.

 Prepared for the Offices of: Transportation, Mobility and Safe Operations STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 750 N. Greenfield Plaza, Garner, NC 27529	CONSTRUCTION NOTES		SEAL  SEAL 031636 ENGINEER PAUL P. MARAK
	PLAN DATE: 2017 PREPARED BY: J. INGRAM	REVIEWED BY: D. HARRIS REVIEWED BY: B. WATSON	
SCALE 0 N/A	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	