



CONSTRUCTION NOTE SYMBOLOLOGY KEY

NUMBER OF CABLE(S)/LOOPS, DETECTOR AMPLIFIERS, GUYS, ANTENNAS: XX

NUMBER OF FIBERS/TWISTED PAIRS: XX

NUMBER OF RISER(S)/CONDUIT(S): XX

DIAMETER OF RISER(S)/CONDUIT(S) (IN): XX

ATTACHMENT POINT:

XXX
YYY DISTANCE ABOVE INCHES REFERENCE POINT

YYY
XXX REFERENCE POINT DISTANCE BELOW INCHES

- GENERAL NOTES:**
1. NOTIFY THE NCDOT DIVISION 13 TRAFFIC ENGINEER, ANNA HENDERSON PE, AT 828-251-6171 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE CLOSED LOOP SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE CLOSED LOOP SYSTEM IS BACK UP AND OPERATIONAL.
 2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
 3. CONTRACTOR MUST REINSTALL THE EXISTING FIBER-OPTIC CABLE AND RESPLICE IN THE NEW SIGNAL CABINET. CONTRACTOR SHALL RESPLICE THE CABLE IN ACCORDANCE WITH RECORDS OF EXISTING SPLICE CONFIGURATION TAKEN DURING TMP PHASE I.

1 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC SEAL	13 INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	25 INSTALL NEW RISER INTO POLE MOUNTED CABINET	37 INSTALL CCTV CAMERA WOOD POLE	48A REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE	57 MODIFY EXISTING ELECTRICAL SERVICE
2 INSTALL COAXIAL CABLE	14 INSTALL POLYETHYLENE CONDUIT	26 MODIFY EXISTING INTERCONNECT CENTER/ SPLICE ENCLOSURE	38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	48B REMOVE EXISTING COMMUNICATIONS CABLE	58 INSTALL NEW ELECTRICAL SERVICE
3 INSTALL CATEGORY 5E CABLE	15 DIRECTIONAL DRILL CONDUIT	27 INSTALL NEW FIBER OPTIC TRANSCIVER	39 INSTALL JUNCTION BOX	48C REMOVE EXISTING MESSENGER CABLE	59 INSTALL NEW ETHERNET EDGE SWITCH
4 INSTALL SMFO CABLE	16 BORE AND JACK CONDUIT	28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	40A INSTALL OVERSIZED JUNCTION BOX	49 BACK-PULL EXISTING COMMUNICATIONS CABLE	60 BOND TRACER WIRE TO EQUIPMENT GROUND BUS
5 BACK-PULL/REMOVE EXISTING COMMUNICATIONS CABLE	17 INSTALL CABLE(S) IN EXISTING CONDUIT	29 INSTALL UNDERGROUND SPLICE ENCLOSURE	40B INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 36" x 24")	50 REMOVE EXISTING COMMUNICATIONS CABLE MOUNTING HARDWARE	61 DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
6 INSTALL FIBER OPTIC DROP CABLE	18 INSTALL CABLE(S) IN NEW CONDUIT	30 INSTALL AERIAL SPLICE ENCLOSURE	41 REMOVE EXISTING JUNCTION BOX	51 INSTALL CABLE STORAGE RACK(S) [SNOW SHOE(S)] AND STORE 100 FEET OF CABLE	62 BOND RISER AND MESSENGER CABLE TO POLE GROUND
7 INSTALL TRACER WIRE	19 INSTALL CABLE(S) IN EXISTING RISER(S)	31 INSTALL POLE MOUNTED SPLICE CABINET	42 INSTALL WOOD POLE	52A INSTALL DELINEATOR MARKER	63 BOND RISER TO POLE GROUND
8 TRENCH	20 INSTALL CABLE(S) IN NEW RISER(S)	32 INSTALL BASE MOUNTED SPLICE CABINET	43 REMOVE EXISTING WOOD POLE	52B INSTALL JUNCTION BOX MARKER	64 BOND MESSENGER CABLE TO POLE GROUND
9 INSTALL PVC CONDUIT	21 INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	33 REMOVE EXISTING SPLICE CABINET	44 INSTALL AERIAL GUY ASSEMBLY	53 STORE 20 FEET OF COMMUNICATIONS CABLE	65 INSTALL HEAT SHRINK TUBING RETROFIT KIT
10 INSTALL RIGID, GALVANIZED STEEL CONDUIT	22 INSTALL NEW CONDUIT INTO CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34 INSTALL CABINET FOUNDATION	45 INSTALL STANDARD GUY ASSEMBLY	54 REINSTALL BACKPULLED CABLE(S)	66 INSTALL MOLDABLE DUCT SEAL
11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	23 INSTALL NEW RISER INTO CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	35 INSTALL CCTV CAMERA POLE MOUNTED CABINET	46 INSTALL SIDEWALK GUY ASSEMBLY	55 LASH CABLE(S) TO EXISTING MESSENGER CABLE	67 SLACK SPAN
12 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC SEAL	24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET	36 INSTALL CCTV CAMERA ASSEMBLY	47 INSTALL MESSENGER CABLE	56 STORE BACKPULLED FIBER OPTIC CABLE ON STORAGE RACKS	

FINAL DESIGN

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SEAL

PREPARED FOR THE OFFICES OF:

750 N. Greenfield Hwy, Garner, NC 27529

SR 1001 (Sugar Hill Road)

Cable Routing Plans

Division 13 McDowell County Marion

PLAN DATE: February 2019 REVIEWED BY: E D Harris

PREPARED BY: G B Spell REVIEWED BY: L Overn

REVISIONS	INIT.	DATE

2/6/2019

CADD Filename: _____

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