PROJECT REFERENCE NO. U-5818 CONSTRUCTION NOTE SYMBOLOGY KEY NUMBER OF CABLE(S)/LOOPS,—DETECTOR AMPLIFIERS, NUMBER OF FIBERS/TWISTED **PAIRS** GUYS, ANTENNAS DIAMETER OF RISER(S)/ RISER(S)/ CONDÙIT(S) CONDUIT(S) (IN) ATTACHMENT POINT DISTANCE ABOVE INCHES REFERENCE POINT REFERENCE POINT DISTANCE BELOW INCHES 1 5 12 BACK-PULL 1 5 12 BACK-PULL 50 SP (13-0611) SR 1001 (SUGAR HILL ROAD) SR 1001 (SUGAR HILL ROAD) TO SPLICE NO.I NORTH OF I-40 WB OFF RAMP 50 1 5 12 BACK-PULL (1/5)1249 1 /5 12 SEE NOTE 3 BACK-PULL (1/5)12GENERAL 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 ENGINEEER 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 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. CONTRACTOR MUST DISCONNECT THE EXISTING 12 SMFO CABLE FROM SPLICE TRAY IN SIGNAL CABINET AND PULL BACK TO THE CABLE STORAGE RACKS AS SHOWN BEFORE REINSTALLING AND RESPLICING THE CABLE. TMP Phase I REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE INSTALL NEW RISER INTO POLE MOUNTED INSTALL REA, PE - 22, SHIELDED, (25) INSIDE CABINET 57 MODIFY EXISTING ELECTRICAL SERVICE (13) INSTALL OUTER-DUCT POLYETHYLENE CONDUIT 37 INSTALL CCTV CAMERA WOOD POLE TWISTED PAIR COMMUNICATIONS CABLE MODIFY EXISTING INTERCONNECT CENTER INSTALL CCTV CAMERA METAL POLE AND FOUNDATION 58 | INSTALL NEW ELECTRICAL SERVICE (14) INSTALL POLYETHYLENE CONDUIT INSTALL COAXIAL CABLE 48B REMOVE EXISTING COMMUNICATIONS CABLE SPLICE ENCLOSURE 15 DIRECTIONAL DRILL CONDUIT 39 INSTALL JUNCTION BOX 59 INSTALL NEW ETHERNET EDGE SWITCH INSTALL NEW FIBER OPTIC TRANSCEIVER INSTALL CATEGORY 5E CABLE 48C REMOVE EXISTING MESSENGER CABLE Stantec Consulting Services Inc. Tel. (919) 851-6866 BOND TRACER WIRE TO EQUIPMENT INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET (16) BORE AND JACK CONDUIT 40A INSTALL OVERSIZED JUNCTION BOX INSTALL SMFO CABLE 49 BACK-PULL EXISTING COMMUNICATIONS CABLE GROUND BUS 801 Jones Franklin Road Fax. (919) 851-7024 INSTALL SPECIAL OVERSIZED JUNCTION BOX DOCUMENT NOT CONSIDERED Suite 300 www.stantec.com BACK_PULL/REMOVE EXISTING COMMUNICATIONS CABLE DO NOT BOND TRACER WIRE TO (17) INSTALL CABLE(S) IN EXISTING CONDUIT REMOVE EXISTING COMMUNICATIONS CABLE 40B FINAL UNLESS ALL (29) INSTALL UNDERGROUND SPLICE ENCLOSURE (36" x 36" x 24") EQUIPMENT GROUND BUS MOUNTING HARDWARE Raleigh, NC 27606 License No. F-0672 SIGNATURES COMPLETED INSTALL CABLE STORAGE RACK(S) [SNOW SHOE(S)] AND STORE 100 FEET OF CABLE BOND RISER AND MESSENGER CABLE (18) INSTALL CABLE(S) IN NEW CONDUIT 41 REMOVE EXISTING JUNCTION BOX INSTALL FIBER OPTIC DROP CABLE (30) INSTALL AERIAL SPLICE ENCLOSURE SEAL TO POLE GROUND SR 1001 (Sugar Hill Road) 19) INSTALL CABLE(S) IN EXISTING RISER(S) 42 INSTALL WOOD POLE INSTALL TRACER WIRE 52A INSTALL DELINEATOR MARKER 63 BOND RISER TO POLE GROUND 31 > INSTALL POLE MOUNTED SPLICE CABINET Cable Routing Plans (20) INSTALL CABLE(S) IN NEW RISER(S) BOND MESSENGER CABLE TO POLE 8 TRENCH 43 REMOVE EXISTING WOOD POLE 52B INSTALL JUNCTION BOX MARKER 32 > INSTALL BASE MOUNTED SPLICE CABINET GROUND INSTALL HEAT SHRINK TUBING RETROFIT

INSTALL PVC CONDUIT

INSTALL RIGID, GALVANIZED STEEL

INSTALL RIGID, GALVANIZED STEEL

INSTALL RIGID, GALVANIZED STEEL

RISER WITH FIBER OPTIC SEAL

INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS INSTALL NEW CONDUIT INTO CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW RISER INTO CABINET BASE

INSTALL NEW CONDUIT INTO POLE

MOUNTED CABINET

(USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

 \langle 33 \rangle REMOVE EXISTING SPLICE CABINET 34 INSTALL CABINET FOUNDATION 46 INSTALL SIDEWALK GUY ASSEMBLY

35 INSTALL CCTV CAMERA POLE MOUNTED CABINET

36 INSTALL CCTV CAMERA ASSEMBLY

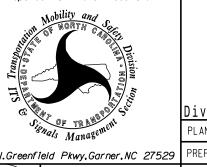
44 INSTALL AERIAL GUY ASSEMBLY 45 INSTALL STANDARD GUY ASSEMBLY

47 INSTALL MESSENGER CABLE

53 STORE 20 FEET OF COMMUNICATIONS CABLE 66 INSTALL MOLDABLE DUCT SEAL REINSTALL BACKPULLED CABLE(S) LASH CABLE(S) TO EXISTING MESSENGER 67 SLACK SPAN

STORE BACKPULLED FIBER OPTIC CABLE

ON STORAGE RACKS



1"=40'

Division 13 McDowell County PLAN DATE: February 2019 REVIEWED BY: REVIEWED BY:

Marion E D Harris 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: G B Spell L Overn REVISIONS INIT. DATE CADD Filename:

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