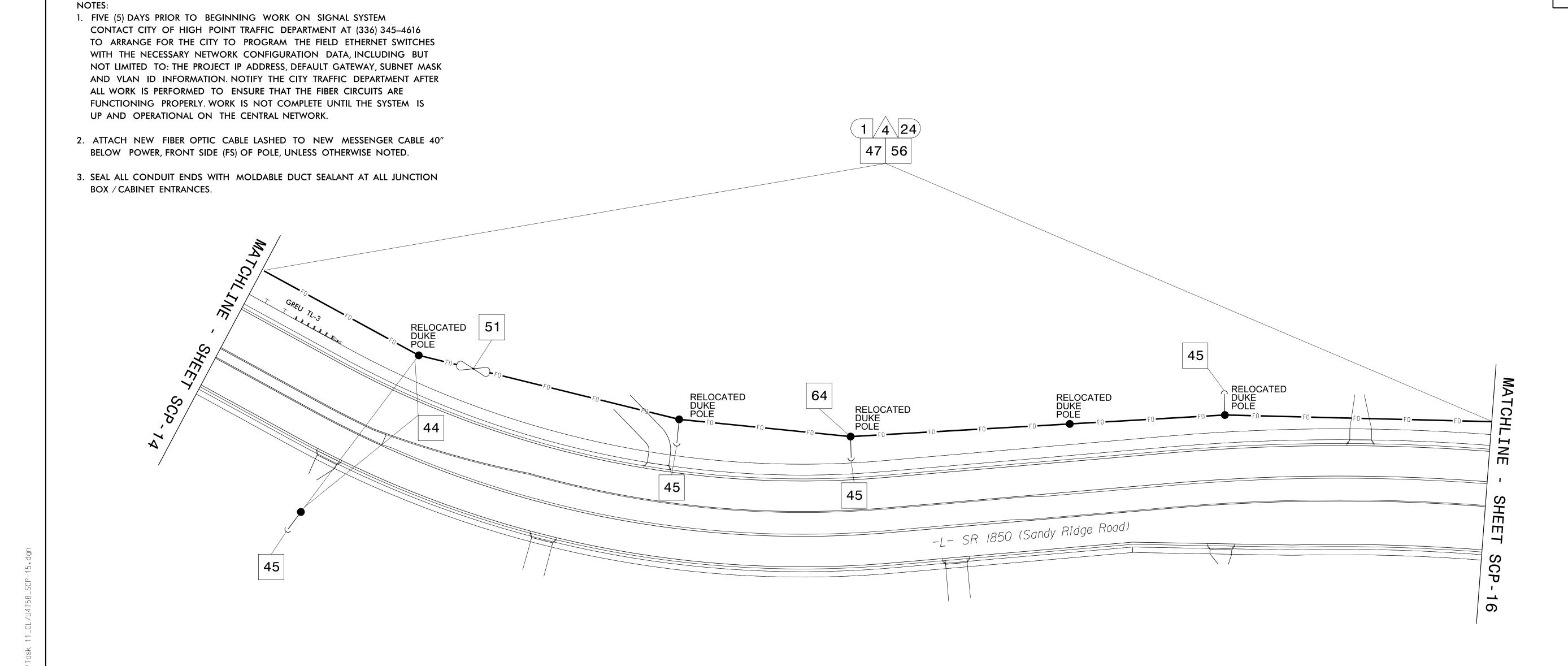
PROJECT REFERENCE NO. SHEET NO. U-4758 SCP-15



1 \ INSTALL COAX CABLE

 $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE EXISTING ETHERNET (OR COAX) CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL FIBER OPTIC DROP CABLE

INSTALL TRACER WIRE

8 TRENCH

9 INSTALL PVC CONDUIT

INSTALL RIGID, GALVANIZED STEEL CONDUIT

INSTALL RIGID, GALVANIZED STEEL

RISER WITH WEATHERHEAD INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL

INSTALL OUTER-DUCT POLYETHYLENE CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

16 BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING

CONDUIT 18 INSTALL CABLE(S) IN NEW CONDUIT

19) INSTALL CABLE(S) IN EXISTING RISER

INSTALL CABLE(S) IN NEW RISER INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS

INSTALL NEW CONDUIT INTO EXISTING (22) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET INSTALL NEW ETHERNET EDGE

SWITCH INSTALL NEW FIBER OPTIC TRANSCEIVER

INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET INSTALL UNDERGROUND SPLICE ENCLOSURE INSTALL AERIAL SPLICE

ENCLOSURE MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE

42 INSTALL WOOD POLE 32 INSTALL POLE MOUNTED SPLICE CABINET

INSTALL BASE MOUNTED SPLICE CABINET 34 INSTALL CABINET FOUNDATION

INSTALL CCTV CAMERA POLE MOUNTED CABINET 36 INSTALL CCTV CAMERA ASSEMBLY

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL 38 POLE AND FOUNDATION

39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX INSTALL SPECIAL OVERSIZED 40B JUNCTION BOX (36" x 24" x 24")

REMOVE EXISTING JUNCTION

41 BOX

43 REMOVE EXISTING WOOD POLE 44 INSTALL AERIAL GUY ASSEMBLY

45 INSTALL STANDARD GUY ASSEMBLY INSTALL SIDEWALK GUY 46 ASSEMBLY

47 INSTALL MESSENGER CABLE REMOVE EXISTING 48A COMMUNICATIONS AND MESSENGER CABLE REMOVE EXISTING 48B COMMUNICATIONS CABLE

BACK PULL EXISTING 49 COMMUNICATIONS CABLE INSTALL CELL MODEM AND ANTENNA INSTALL CABLE STORAGE RACKS

EQUIPMENT GROUND BUS DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS (SNOW SHOES) AND STORE 100
FEET OF CABLE BOND RISER AND MESSENGER 52A INSTALL DELINEATOR MARKER CABLE TO POLE GROUND

BOND RISER TO POLE 52B INSTALL JUNCTION BOX MARKER | 63 GROUND

LASH CABLE(S) TO EXISTING

LASH CABLE(S) TO NEW

INSTALL NEW ELECTRICAL SERVICE

59 INSTALL NEW EQUIPMENT

CABINET DISCONNECT

BOND TRACER WIRE TO

MODIFY EXISTING ELECTRICAL

MESSENGER CABLE

MESSENGER CABLE

SERVICE

53A STORE 20 FEET OF COMMUNICATIONS CABLE BOND MESSENGER CABLE TO POLE GROUND 53B STORE 50 FEET OF EACH COMMUNICATIONS CABLE INSTALL HEAT SHRINK TUBING RETROFIT KIT LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE INSTALL MOLDABLE DUCT 66 SEAL

67 SLACK SPAN

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609

TMP PHASE IV - Final Design



UNLESS ALL SIGNATURES COMPLETED High Point Signal System SR 1818 (Johnson Street), SR 1850 (Sandy Ridge Road)

Guilford County High Point

CARA Cable Routing Plans 056276 REVIEWED BY: PL Alexander INIT. DATE James Stiff 3/14/2025

(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL

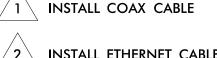
PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion 0 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVISIONS CADD Filename: U4758_SCP-15.dg

PROJECT REFERENCE NO. SCP-16 U-4758 **NOTES:** 1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK 1 4 24 AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER 47 56 ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK. 2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED. 3. SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES. MATCHL 2 4 24 EXPRESS FIBERS THE SEE SPLICE DETAIL 45 DO NOT CUT CABLE RELOCATED DUKE POLE 51 SHEET RELOCATED DUKE POLE EXISTING DUKE POLE RELOCATED DUKE POLE S21-5 07 - 1115 RELOCATED DUKE POLE SHEE 2 4 24 /_{-L}- SR 1850 (Sandy Ridge Road) **(07-1114**) EXPRESS FIBERS CP 1 6 12 RELOCATED DUKE POLE SEE SPLICE DETAIL (30) DO NOT CUT CABLE 15 RELOCATED DUKE POLE 51 1 6 12 45 RELOCATED (1/6/12) 6 12 DUKE POLE 45 (1/6/12) 1 6 12 40A 47 56 8 (21) 1 (12) 2 1/6/12 SLACK SPAN 45 1 (14) 2 (22)20) (20)53B (18)**(26)** (26) 62 62 (28) 28 53A 53A 60 BOND RISER TO POLE INSTALL NEW CONDUIT INTO EXISTING 42 INSTALL WOOD POLE 52B INSTALL JUNCTION BOX MARKER | 63 | INSTALL RIGID, GALVANIZED STEEL (22) CABINET BASE (USE EXISTING CONDUIT 32 INSTALL POLE MOUNTED SPLICE GROUND 1 \ INSTALL COAX CABLE RISER WITH WEATHERHEAD STUB-OUTS WHEN AVAILABLE) CABINET 53A STORE 20 FEET OF COMMUNICATIONS CABLE BOND MESSENGER CABLE TO POLE GROUND 43 REMOVE EXISTING WOOD POLE INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL INSTALL NEW RISER INTO EXISTING $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE CABINET BASE (USE EXISTING CONDUIT INSTALL BASE MOUNTED SPLICE CABINET **G** AtkinsRéalis STORE 50 FEET OF EACH INSTALL HEAT SHRINK TUBING RETROFIT KIT STUB-OUTS WHEN AVAILABLE) 53B COMMUNICATIONS CABLE 44 INSTALL AERIAL GUY ASSEMBLY INSTALL OUTER-DUCT POLYETHYLENE INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET EXISTING ETHERNET (OR COAX) CABLE CONDUIT 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE 34 INSTALL CABINET FOUNDATION INSTALL STANDARD GUY INSTALL MOLDABLE DUCT 45 ASSEMBLY 66 SEAL 14) INSTALL POLYETHYLENE CONDUIT (919) 876-6888 NCBEES #F-0326 INSTALL NEW RISER INTO EXISTING INSTALL CCTV CAMERA POLE MOUNTED CABINET INSTALL SMFO CABLE INSTALL SIDEWALK GUY LASH CABLE(S) TO EXISTING 46 ASSEMBLY 67 SLACK SPAN POLE MOUNTED CABINET MESSENGER CABLE TMP PHASE IV - Final Design DOCUMENT NOT CONSIDERED FINAL 15) DIRECTIONAL DRILL CONDUIT **UNLESS ALL SIGNATURES COMPLETED** LASH CABLE(S) TO NEW INSTALL NEW ETHERNET EDGE 36 INSTALL CCTV CAMERA ASSEMBLY 47 INSTALL MESSENGER CABLE EXISTING SMFO CABLE MESSENGER CABLE **SWITCH** Prepared for the Offices of: High Point Signal System BORE AND JACK CONDUIT INSTALL CCTV CAMERA WOOD 37 POLE MODIFY EXISTING ELECTRICAL 48A COMMUNICATIONS AND MESSENGER CABLE INSTALL NEW FIBER OPTIC SR 1818 (Johnson Street), SERVICE CARO INSTALL FIBER OPTIC DROP CABLE TRANSCEIVER INSTALL CABLE(S) IN EXISTING INSTALL CCTV CAMERA METAL INSTALL NEW ELECTRICAL SERVICE **REMOVE EXISTING** SR 1850 (Sandy Ridge Road) CONDUIT INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET 38 POLE AND FOUNDATION 48B COMMUNICATIONS CABLE Cable Routing Plans INSTALL TRACER WIRE 18) INSTALL CABLE(S) IN NEW CONDUIT BACK PULL EXISTING INSTALL NEW EQUIPMENT 39 INSTALL JUNCTION BOX 49 COMMUNICATIONS CABLE Guilford County High Point 056276 CABINET DISCONNECT INSTALL UNDERGROUND SPLICE ENCLOSURE 40A INSTALL OVERSIZED JUNCTION BOX 19) INSTALL CABLE(S) IN EXISTING RISER 8 TRENCH February 2025 | REVIEWED BY: AM Encarnacion INSTALL CELL MODEM AND BOND TRACER WIRE TO 50 ANTENNA EQUIPMENT GROUND BUS JT Stiff 7 Greenfield Parkway, Garner, NC 27529 PREPARED BY: REVIEWED BY: PL Alexander INSTALL AERIAL SPLICE INSTALL CABLE STORAGE RACKS INSTALL SPECIAL OVERSIZED INSTALL CABLE(S) IN NEW RISER **ENCLOSURE** DO NOT BOND TRACER WIRE 40B JUNCTION BOX (36" x 24" x 24") INSTALL PVC CONDUIT (SNOW SHOES) AND STORE 100 FEET OF CABLE REVISIONS INIT. DATE James Stiff TO EQUIPMENT GROUND BUS 3/14/2025 MODIFY EXISTING INTERCONNECT INSTALL CABLE(S) IN EXISTING REMOVE EXISTING JUNCTION INSTALL RIGID, GALVANIZED STEEL BOND RISER AND MESSENGER CABLE TO POLE GROUND 41 BOX CENTER /SPLICE ENCLOSURE 52A INSTALL DELINEATOR MARKER CONDUIT STUB-OUTS CONDUIT

CADD Filename: U4758_SCP-16.dq

PROJECT REFERENCE NO. U-4758 SCP-17

NOTES: 1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK. 2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED. 1 4 24 47 56 3. SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES. 45 RELOCATED DUKE POLE MATCHL RELOCATED , DUKE POLE INE -L- SR 1850 (Sandy Ridge Road) SHEET 46 18 SCP 45 RELOCATED DUKE POLE RELOCATED DUKE POLE RELOCATED DUKE POLE RELOCATED DUKE POLE



 $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE

EXISTING ETHERNET (OR COAX) CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL FIBER OPTIC DROP CABLE

INSTALL TRACER WIRE

8 TRENCH 9 INSTALL PVC CONDUIT

INSTALL RIGID, GALVANIZED STEEL CONDUIT

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL

INSTALL OUTER-DUCT POLYETHYLENE CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

16 BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING

CONDUIT 18 INSTALL CABLE(S) IN NEW CONDUIT

INSTALL CABLE(S) IN NEW RISER INSTALL CABLE(S) IN EXISTING

CONDUIT STUB-OUTS

19) INSTALL CABLE(S) IN EXISTING RISER

INSTALL NEW CONDUIT INTO EXISTING (22) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT

STUB-OUTS WHEN AVAILABLE) INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW ETHERNET EDGE **SWITCH** INSTALL NEW FIBER OPTIC TRANSCEIVER

INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET INSTALL UNDERGROUND SPLICE ENCLOSURE INSTALL AERIAL SPLICE

ENCLOSURE MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE

42 INSTALL WOOD POLE 32 INSTALL POLE MOUNTED SPLICE CABINET 43 REMOVE EXISTING WOOD POLE

INSTALL BASE MOUNTED SPLICE CABINET 44 INSTALL AERIAL GUY ASSEMBLY 34 INSTALL CABINET FOUNDATION 45 ASSEMBLY

INSTALL CCTV CAMERA POLE MOUNTED CABINET 46 ASSEMBLY 36 INSTALL CCTV CAMERA ASSEMBLY 47 INSTALL MESSENGER CABLE 48A COMMUNICATIONS AND

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL 38 POLE AND FOUNDATION

39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX INSTALL SPECIAL OVERSIZED

REMOVE EXISTING JUNCTION

41 BOX

48B COMMUNICATIONS CABLE BACK PULL EXISTING 49 COMMUNICATIONS CABLE INSTALL CELL MODEM AND ANTENNA INSTALL CABLE STORAGE RACKS 40B JUNCTION BOX (36" x 24" x 24") (SNOW SHOES) AND STORE 100 FEET OF CABLE

INSTALL STANDARD GUY

INSTALL SIDEWALK GUY

REMOVE EXISTING

MESSENGER CABLE

52A INSTALL DELINEATOR MARKER

REMOVE EXISTING

52B INSTALL JUNCTION BOX MARKER | 63 53A STORE 20 FEET OF COMMUNICATIONS CABLE

STORE 50 FEET OF EACH 53B COMMUNICATIONS CABLE LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE

LASH CABLE(S) TO EXISTING MESSENGER CABLE LASH CABLE(S) TO NEW MESSENGER CABLE

MODIFY EXISTING ELECTRICAL SERVICE INSTALL NEW ELECTRICAL SERVICE 59 INSTALL NEW EQUIPMENT

CABINET DISCONNECT BOND TRACER WIRE TO EQUIPMENT GROUND BUS

DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS BOND RISER AND MESSENGER CABLE TO POLE GROUND

BOND RISER TO POLE GROUND

BOND MESSENGER CABLE TO POLE GROUND INSTALL HEAT SHRINK TUBING RETROFIT KIT INSTALL MOLDABLE DUCT 66

67 SLACK SPAN

SEAL

1616 EAST MILLBROOK ROAD, SUITE 160

RALEIGH, NORTH CAROLINA 27609

(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL

TMP PHASE IV - Final Design



SCALE

UNLESS ALL SIGNATURES COMPLETED High Point Signal System SR 1818 (Johnson Street), SR 1850 (Sandy Ridge Road)

PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion

Guilford County High Point REVIEWED BY: PL Alexander REVISIONS INIT. DATE

Cable Routing Plans JT Stiff

CARA 056276 James Stiff 3/14/2025

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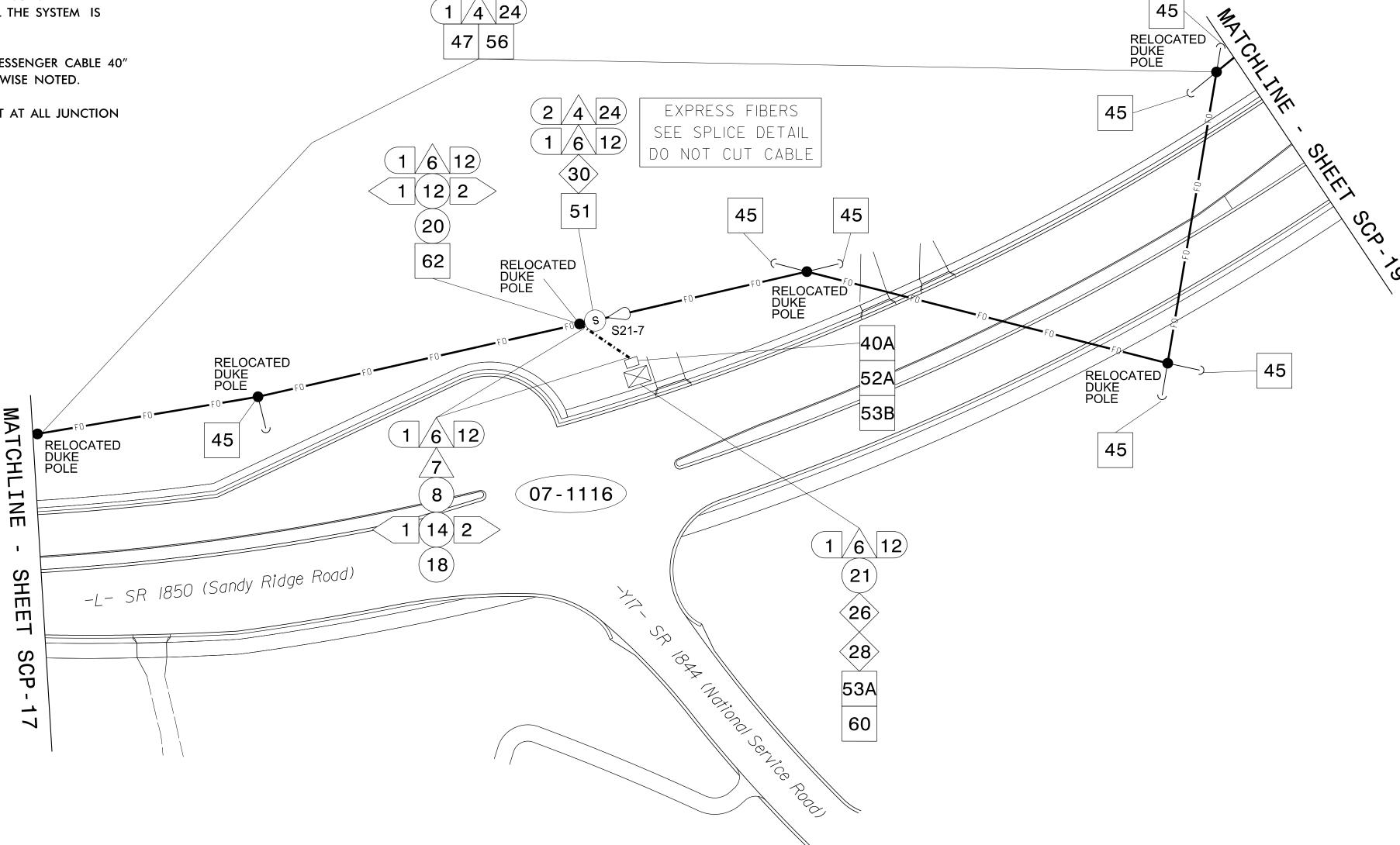
PROJECT REFERENCE NO. U-4758 SCP-18

NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED.

3. SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES.





 $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE

EXISTING ETHERNET (OR COAX) CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL FIBER OPTIC DROP CABLE

INSTALL TRACER WIRE

8 TRENCH

9 INSTALL PVC CONDUIT INSTALL RIGID, GALVANIZED STEEL

CONDUIT

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL INSTALL OUTER-DUCT POLYETHYLENE

CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

16 BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING

CONDUIT

18) INSTALL CABLE(S) IN NEW CONDUIT

19) INSTALL CABLE(S) IN EXISTING RISER

INSTALL CABLE(S) IN NEW RISER

INSTALL CABLE(S) IN EXISTING

CONDUIT STUB-OUTS

(22) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

INSTALL NEW CONDUIT INTO EXISTING

INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW ETHERNET EDGE **SWITCH** INSTALL NEW FIBER OPTIC

TRANSCEIVER INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET INSTALL UNDERGROUND SPLICE ENCLOSURE

CENTER /SPLICE ENCLOSURE

INSTALL AERIAL SPLICE **ENCLOSURE** MODIFY EXISTING INTERCONNECT 32 INSTALL POLE MOUNTED SPLICE CABINET

INSTALL BASE MOUNTED SPLICE CABINET 34 INSTALL CABINET FOUNDATION

INSTALL CCTV CAMERA POLE MOUNTED CABINET 36 INSTALL CCTV CAMERA ASSEMBLY

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL 38 POLE AND FOUNDATION

39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX

INSTALL SPECIAL OVERSIZED 40B JUNCTION BOX (36" x 24" x 24") REMOVE EXISTING JUNCTION 41 BOX 52A INSTALL DELINEATOR MARKER

42 | INSTALL WOOD POLE

53A STORE 20 FEET OF COMMUNICATIONS CABLE 43 REMOVE EXISTING WOOD POLE 53B COMMUNICATIONS CABLE 44 INSTALL AERIAL GUY ASSEMBLY

INSTALL STANDARD GUY 45 ASSEMBLY INSTALL SIDEWALK GUY 46 ASSEMBLY

47 INSTALL MESSENGER CABLE 48A COMMUNICATIONS AND MESSENGER CABLE REMOVE EXISTING 48B COMMUNICATIONS CABLE

BACK PULL EXISTING 49 COMMUNICATIONS CABLE INSTALL CELL MODEM AND 50 ANTENNA INSTALL CABLE STORAGE RACKS

INSTALL NEW ELECTRICAL SERVICE 59 INSTALL NEW EQUIPMENT CABINET DISCONNECT BOND TRACER WIRE TO

SERVICE

EQUIPMENT GROUND BUS DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS (SNOW SHOES) AND STORE 100 FEET OF CABLE BOND RISER AND MESSENGER CABLE TO POLE GROUND

STORE 50 FEET OF EACH

LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE

LASH CABLE(S) TO EXISTING

MODIFY EXISTING ELECTRICAL

LASH CABLE(S) TO NEW

MESSENGER CABLE

MESSENGER CABLE

BOND RISER TO POLE GROUND

52B INSTALL JUNCTION BOX MARKER | 63 BOND MESSENGER CABLE TO POLE GROUND

INSTALL HEAT SHRINK TUBING RETROFIT KIT INSTALL MOLDABLE DUCT 66 SEAL

67 SLACK SPAN

CAtkinsRéalis 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609

(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

TMP PHASE IV - Final Design



High Point Signal System SR 1818 (Johnson Street), SR 1850 (Sandy Ridge Road)

Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion

Cable Routing Plans 056276 JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE James Stiff

7 Greenfield Parkway, Garner, NC 27529 PREPARED BY:

NTS

3/14/2025 CADD Filename: U4758_SCP-18.dg

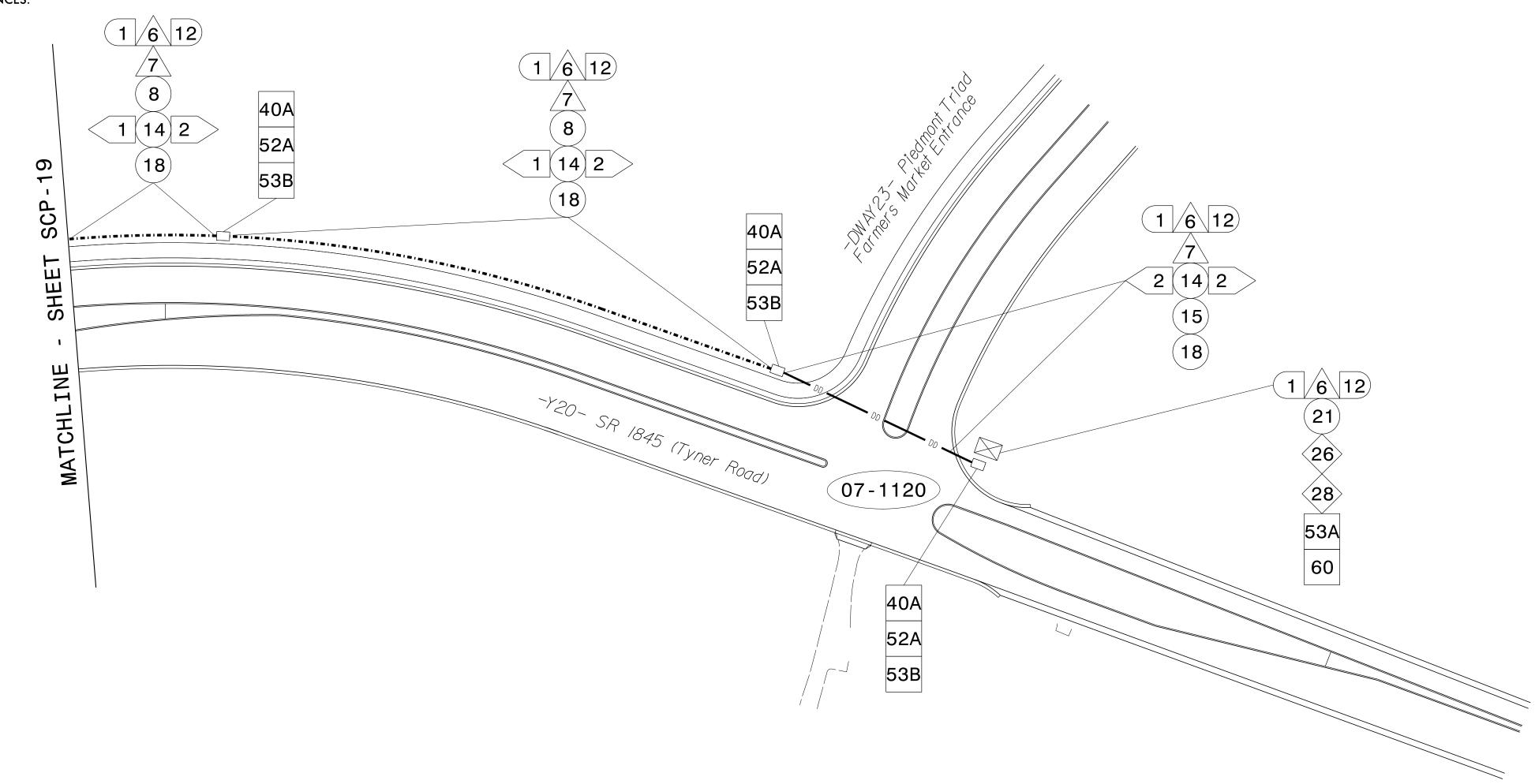
PROJECT REFERENCE NO. U-4758 SCP-19 **NOTES:** 1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES 1/4/24WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT 47 56 NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK. 2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED. 3. SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES. (2 | 6 | 12)(12) 2 (2/4/24) MATCHL EXPRESS FIBERS (2|/6|12)**(20)** SEE SPLICE DETAIL **(30)** DO NOT CUT CABLE RELOCATED DUKE POLE INE RELOCATED DUKE POLE S21--L- SR 1850 (Sandy Ridge Road) SHEET RELOCATED DUKE POLE RELOCATED DUKE POLE RELOCATED DUKE POLE / \ RELOCATED 20 **07-1117** 1 6 12 (21) $1/6\sqrt{12}$ 52A 52A (26) SHEET 53B 53B 2 (14) 2 28 53A 15 (2 | 6 | 12)SCP (18) 60 \bigcirc ∞ $\frac{\partial}{\partial x}$ -Y18- SR (Partridge 2 (14) 2 45 1 6 12 1978 Road) 8 1 (14) 2 SHEET SCP-19A MATCHLINE -BOND RISER TO POLE INSTALL NEW CONDUIT INTO EXISTING 42 | INSTALL WOOD POLE | 52B | INSTALL JUNCTION BOX MARKER | 63 | INSTALL RIGID, GALVANIZED STEEL (22) CABINET BASE (USE EXISTING CONDUIT GROUND INSTALL POLE MOUNTED SPLICE 1 \ INSTALL COAX CABLE RISER WITH WEATHERHEAD STUB-OUTS WHEN AVAILABLE) CABINET 53A STORE 20 FEET OF COMMUNICATIONS CABLE BOND MESSENGER CABLE TO POLE GROUND 43 REMOVE EXISTING WOOD POLE INSTALL NEW RISER INTO EXISTING INSTALL RIGID, GALVANIZED STEEL CABINET BASE (USE EXISTING CONDUIT $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE RISER WITH FIBER OPTIC CABLE SEAL INSTALL BASE MOUNTED SPLICE CABINET **AtkinsRéalis** STORE 50 FEET OF EACH INSTALL HEAT SHRINK STUB-OUTS WHEN AVAILABLE) 53B COMMUNICATIONS CABLE 44 INSTALL AERIAL GUY ASSEMBLY TUBING RETROFIT KIT INSTALL OUTER-DUCT POLYETHYLENE INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET EXISTING ETHERNET (OR COAX) CABLE CONDUIT 1616 EAST MILLBROOK ROAD, SUITE 160 INSTALL STANDARD GUY INSTALL MOLDABLE DUCT 34 | INSTALL CABINET FOUNDATION LASH CABLE(S) TO EXISTING 66 45 ASSEMBLY RALEIGH, NORTH CAROLINA 27609 COMMUNICATIONS CABLE SEAL 14) INSTALL POLYETHYLENE CONDUIT (919) 876-6888 NCBEES #F-0326 INSTALL NEW RISER INTO EXISTING INSTALL CCTV CAMERA POLE MOUNTED CABINET INSTALL SMFO CABLE INSTALL SIDEWALK GUY LASH CABLE(S) TO EXISTING 46 ASSEMBLY POLE MOUNTED CABINET 67 SLACK SPAN MESSENGER CABLE TMP PHASE IV - Final Design DOCUMENT NOT CONSIDERED FINAL 15 DIRECTIONAL DRILL CONDUIT **UNLESS ALL SIGNATURES COMPLETED** LASH CABLE(S) TO NEW INSTALL NEW ETHERNET EDGE 36 INSTALL CCTV CAMERA ASSEMBLY 47 INSTALL MESSENGER CABLE EXISTING SMFO CABLE MESSENGER CABLE **SWITCH** Prepared for the Offices of: High Point Signal System 16 BORE AND JACK CONDUIT REMOVE EXISTING INSTALL CCTV CAMERA WOOD 37 POLE MODIFY EXISTING ELECTRICAL INSTALL NEW FIBER OPTIC 48A COMMUNICATIONS AND SR 1818 (Johnson Street), SERVICE INSTALL FIBER OPTIC DROP CABLE TRANSCEIVER MESSENGER CABLE INSTALL CABLE(S) IN EXISTING INSTALL CCTV CAMERA METAL INSTALL NEW ELECTRICAL SERVICE **REMOVE EXISTING** SR 1850 (Sandy Ridge Road) CONDUIT INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET 38 POLE AND FOUNDATION 48B COMMUNICATIONS CABLE Cable Routing Plans INSTALL TRACER WIRE 18) INSTALL CABLE(S) IN NEW CONDUIT BACK PULL EXISTING INSTALL NEW EQUIPMENT 39 INSTALL JUNCTION BOX 49 COMMUNICATIONS CABLE 056276 Guilford County High Point CABINET DISCONNECT INSTALL UNDERGROUND SPLICE ENCLOSURE 40A INSTALL OVERSIZED JUNCTION BOX 8 TRENCH 19) INSTALL CABLE(S) IN EXISTING RISER February 2025 | REVIEWED BY: AM Encarnacion INSTALL CELL MODEM AND BOND TRACER WIRE TO ANTENNA EQUIPMENT GROUND BUS JT Stiff 0 Greenfield Parkway, Garner, NC 27529 PREPARED BY: REVIEWED BY: PL Alexander INSTALL AERIAL SPLICE INSTALL CABLE STORAGE RACKS INSTALL SPECIAL OVERSIZED INSTALL CABLE(S) IN NEW RISER **ENCLOSURE** DO NOT BOND TRACER WIRE 40B JUNCTION BOX (36" x 24" x 24") 9 INSTALL PVC CONDUIT (SNOW SHOES) AND STORE 100 FEET OF CABLE REVISIONS INIT. DATE James Stiff TO EQUIPMENT GROUND BUS 3/14/2025 MODIFY EXISTING INTERCONNECT INSTALL CABLE(S) IN EXISTING REMOVE EXISTING JUNCTION INSTALL RIGID, GALVANIZED STEEL BOND RISER AND MESSENGER CENTER /SPLICE ENCLOSURE 52A INSTALL DELINEATOR MARKER CONDUIT STUB-OUTS BOX CONDUIT CABLE TO POLE GROUND CADD Filename: U4758_SCP-19.dg

-FEB-2025 15:57 ://SUSD036343.wsatkins.com:ATKNANC01/Documents/Roads and Bridaes/Projects/100059632 JSSR Sia and ITS/Task 11_CL/U

PROJECT REFERENCE NO. U-4758 SCP-19A

NOTES:

- 1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345–4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.
- 2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED.
- 3. SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES.



1 \ INSTALL COAX CABLE /2 \ INSTALL ETHERNET CABLE 8 TRENCH

EXISTING ETHERNET (OR COAX) CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL TRACER WIRE

INSTALL PVC CONDUIT

CONDUIT

INSTALL FIBER OPTIC DROP CABLE

INSTALL RIGID, GALVANIZED STEEL

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL

INSTALL OUTER-DUCT POLYETHYLENE CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING CONDUIT

18) INSTALL CABLE(S) IN NEW CONDUIT

INSTALL CABLE(S) IN EXISTING RISER 20) INSTALL CABLE(S) IN NEW RISER

CONDUIT STUB-OUTS

INSTALL CABLE(S) IN EXISTING

INSTALL NEW ETHERNET EDGE **SWITCH** INSTALL NEW FIBER OPTIC TRANSCEIVER

POLE MOUNTED CABINET

INSTALL NEW CONDUIT INTO EXISTING

(22) CABINET BASE (USE EXISTING CONDUIT

INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT

INSTALL NEW RISER INTO EXISTING

STUB-OUTS WHEN AVAILABLE)

STUB-OUTS WHEN AVAILABLE)

INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET

MODIFY EXISTING INTERCONNECT

INSTALL UNDERGROUND SPLICE ENCLOSURE INSTALL AERIAL SPLICE **ENCLOSURE**

CENTER /SPLICE ENCLOSURE

32 INSTALL POLE MOUNTED SPLICE CABINET INSTALL BASE MOUNTED SPLICE CABINET

INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET 34 | INSTALL CABINET FOUNDATION

INSTALL CCTV CAMERA POLE MOUNTED CABINET 36 INSTALL CCTV CAMERA ASSEMBLY

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL

38 POLE AND FOUNDATION 39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX

INSTALL SPECIAL OVERSIZED 40B JUNCTION BOX (36" x 24" x 24") REMOVE EXISTING JUNCTION BOX

42 | INSTALL WOOD POLE

STORE 20 FEET OF COMMUNICATIONS CABLE 43 REMOVE EXISTING WOOD POLE 53B STORE 50 FEET OF EACH COMMUNICATIONS CABLE 44 INSTALL AERIAL GUY ASSEMBLY

INSTALL STANDARD GUY 45 ASSEMBLY INSTALL SIDEWALK GUY 46 ASSEMBLY

> 47 INSTALL MESSENGER CABLE 48A COMMUNICATIONS AND MESSENGER CABLE **REMOVE EXISTING**

48B COMMUNICATIONS CABLE 49 BACK PULL EXISTING COMMUNICATIONS CABLE INSTALL CELL MODEM AND

60 BOND TRACER WIRE TO EQUIPMENT GROUND BUS 50 ANTENNA INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE 52A INSTALL DELINEATOR MARKER

BOND RISER TO POLE 52B INSTALL JUNCTION BOX MARKER 63 GROUND

LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE

LASH CABLE(S) TO EXISTING MESSENGER CABLE

MODIFY EXISTING ELECTRICAL

LASH CABLE(S) TO NEW MESSENGER CABLE

INSTALL NEW ELECTRICAL SERVICE

INSTALL NEW EQUIPMENT

DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS

BOND RISER AND MESSENGER CABLE TO POLE GROUND

CABINET DISCONNECT

SERVICE

BOND MESSENGER CABLE TO POLE GROUND

INSTALL HEAT SHRINK TUBING RETROFIT KIT INSTALL MOLDABLE DUCT SEAL

67 SLACK SPAN



1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**



TMP PHASE IV - Final Design

High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans

Guilford County High Point Division 7 PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion

JT Stiff REVIEWED BY: PL Alexander 0 Greenfield Parkway, Garner, NC 275 REVISIONS

056276 INIT. DATE 3/14/2025

CADD Filename: U4758_SCP-19A.d

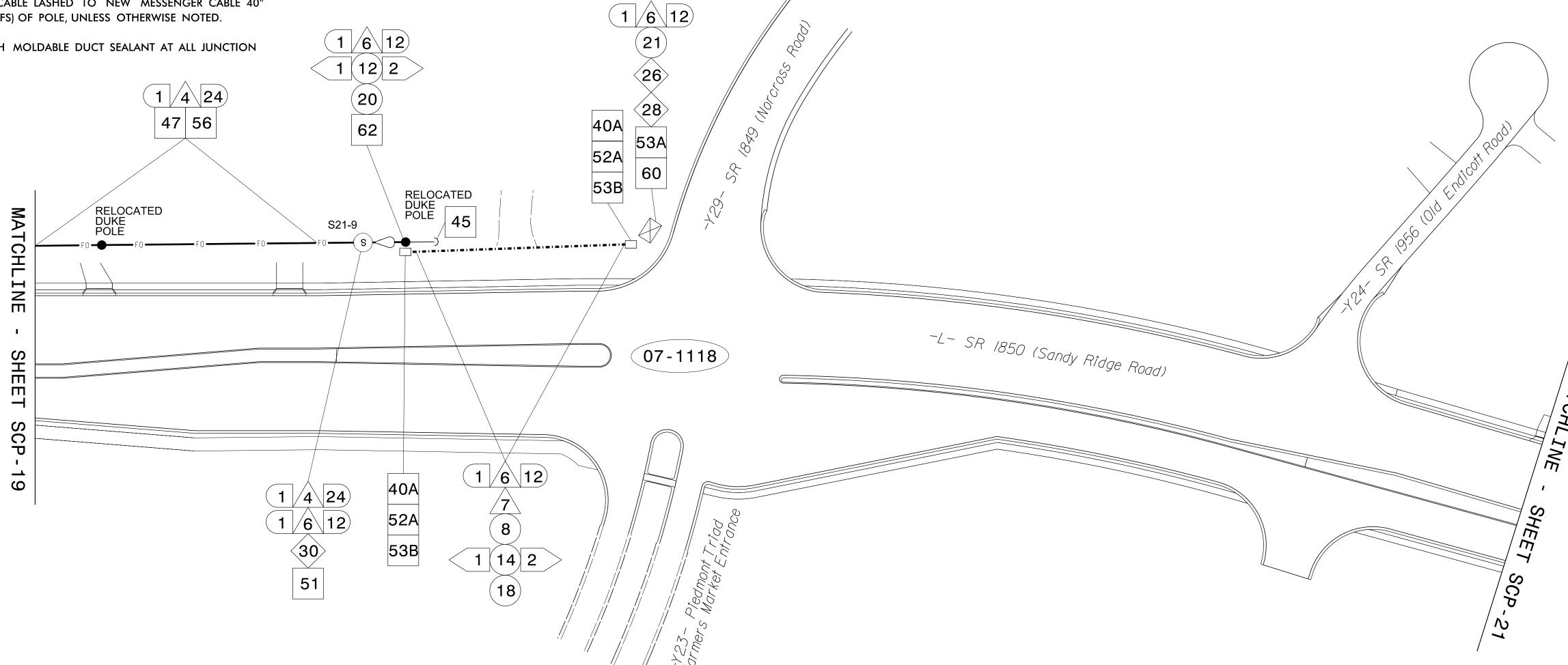
NOTES:

PROJECT REFERENCE NO. U-4758 SCP-20

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345–4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED.





1 \ INSTALL COAX CABLE

 $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE

EXISTING ETHERNET (OR COAX) CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL FIBER OPTIC DROP CABLE

INSTALL TRACER WIRE

8 TRENCH

9 INSTALL PVC CONDUIT INSTALL RIGID, GALVANIZED STEEL

CONDUIT

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL INSTALL OUTER-DUCT POLYETHYLENE

CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

16 BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING CONDUIT

18 INSTALL CABLE(S) IN NEW CONDUIT

19) INSTALL CABLE(S) IN EXISTING RISER

INSTALL CABLE(S) IN NEW RISER INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS

INSTALL NEW CONDUIT INTO EXISTING (22) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

INSTALL NEW RISER INTO EXISTING (23) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW ETHERNET EDGE **SWITCH** INSTALL NEW FIBER OPTIC

TRANSCEIVER INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET INSTALL UNDERGROUND SPLICE ENCLOSURE

CENTER /SPLICE ENCLOSURE

INSTALL AERIAL SPLICE **ENCLOSURE** MODIFY EXISTING INTERCONNECT

42 | INSTALL WOOD POLE 32 INSTALL POLE MOUNTED SPLICE CABINET CABINET

INSTALL BASE MOUNTED SPLICE CABINET 34 INSTALL CABINET FOUNDATION

INSTALL CCTV CAMERA POLE MOUNTED CABINET 46 ASSEMBLY 36 INSTALL CCTV CAMERA ASSEMBLY

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL 38 POLE AND FOUNDATION

39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX

REMOVE EXISTING JUNCTION

41 BOX

BACK PULL EXISTING 49 COMMUNICATIONS CABLE INSTALL CELL MODEM AND 50 ANTENNA 40B INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24") INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE

52A INSTALL DELINEATOR MARKER

INSTALL SIDEWALK GUY

52B INSTALL JUNCTION BOX MARKER | 63

53A STORE 20 FEET OF COMMUNICATIONS CABLE 43 REMOVE EXISTING WOOD POLE 53B STORE 50 FEET OF EACH COMMUNICATIONS CABLE 44 INSTALL AERIAL GUY ASSEMBLY 45 INSTALL STANDARD GUY ASSEMBLY

LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE LASH CABLE(S) TO EXISTING MESSENGER CABLE LASH CABLE(S) TO NEW MESSENGER CABLE

47 INSTALL MESSENGER CABLE MODIFY EXISTING ELECTRICAL 48A COMMUNICATIONS AND SERVICE MESSENGER CABLE INSTALL NEW ELECTRICAL SERVICE REMOVE EXISTING 48B COMMUNICATIONS CABLE

59 INSTALL NEW EQUIPMENT CABINET DISCONNECT BOND TRACER WIRE TO

EQUIPMENT GROUND BUS

DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS BOND RISER AND MESSENGER CABLE TO POLE GROUND

BOND RISER TO POLE GROUND

BOND MESSENGER CABLE TO POLE GROUND

INSTALL HEAT SHRINK TUBING RETROFIT KIT INSTALL MOLDABLE DUCT SEAL

67 SLACK SPAN

66



DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326



TMP PHASE IV - Final Design

High Point Signal System SR 1818 (Johnson Street), SR 1850 (Sandy Ridge Road)

Cable Routing Plans

Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion JT Stiff 0 Greenfield Parkway, Garner, NC 27529 PREPARED BY: REVIEWED BY: PL Alexander INIT. DATE

056276 James Stiff 3/14/2025

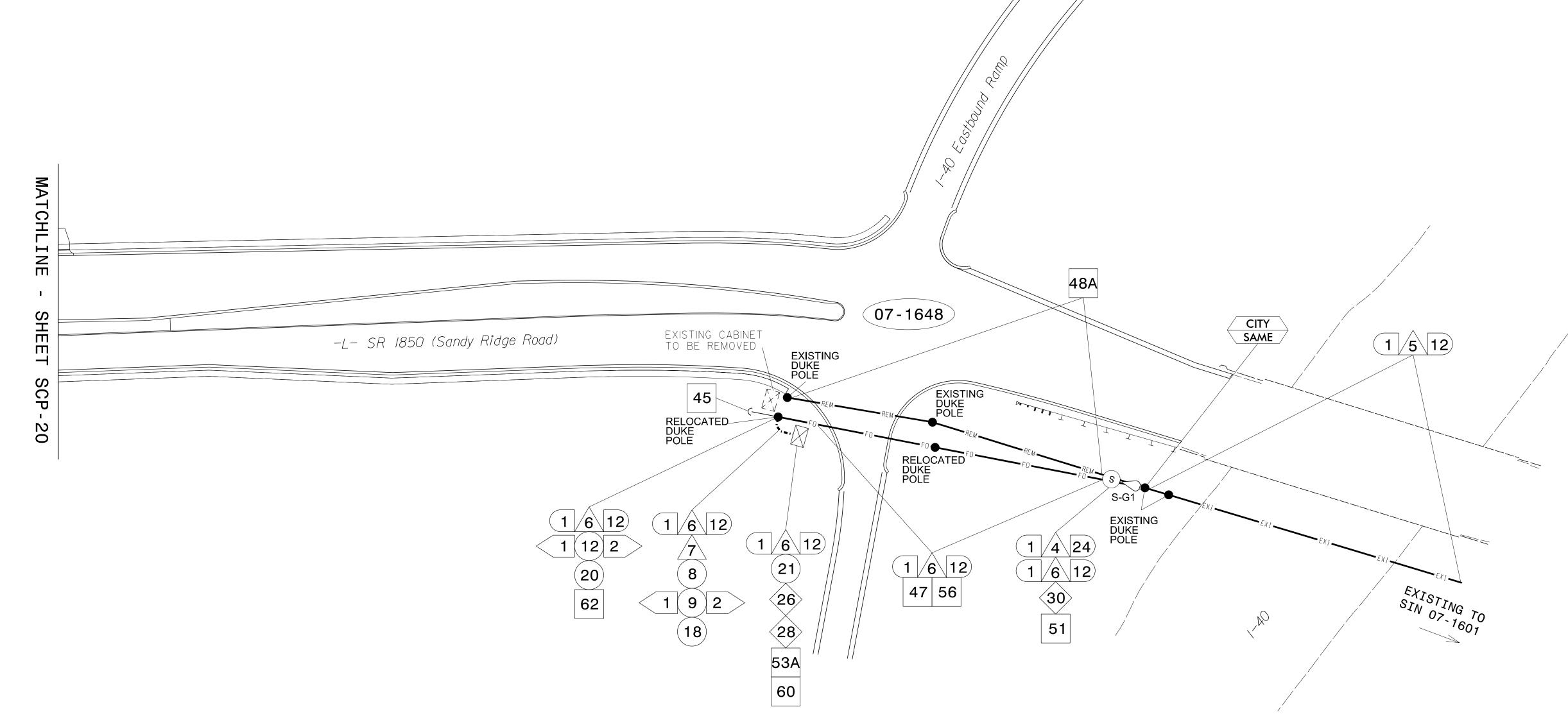
CADD Filename: U4758_SCP-20.dq

PROJECT REFERENCE NO. U-4758 SCP-21

NOTES:

- 1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE GREENSBORO SIGNAL SYSTEM CONTRACT TRAFFIC SIGNAL SYSTEM COORDINATOR AT (336) 373-4192 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK, AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC SIGNAL SYSTEM COORDINATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.
- 2. ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED.





1 \ INSTALL COAX CABLE $^{\prime}$ 2 $^{\setminus}$ INSTALL ETHERNET CABLE

INSTALL SMFO CABLE

EXISTING SMFO CABLE

INSTALL TRACER WIRE

INSTALL FIBER OPTIC DROP CABLE

EXISTING ETHERNET (OR COAX) CABLE

RISER WITH WEATHERHEAD INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL INSTALL OUTER-DUCT POLYETHYLENE

INSTALL RIGID, GALVANIZED STEEL

CONDUIT 14) INSTALL POLYETHYLENE CONDUIT

15 DIRECTIONAL DRILL CONDUIT

16 BORE AND JACK CONDUIT INSTALL CABLE(S) IN EXISTING

CONDUIT 18) INSTALL CABLE(S) IN NEW CONDUIT

19) INSTALL CABLE(S) IN EXISTING RISER

INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS

INSTALL NEW CONDUIT INTO EXISTING (22) CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW RISER INTO EXISTING

CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE) INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET

INSTALL NEW FIBER OPTIC TRANSCEIVER

INSTALL INTERCONNECT CENTER,
PATCH PANEL, JUMPERS, AND
FUSION SPLICE CABLE IN CABINET INSTALL UNDERGROUND SPLICE ENCLOSURE

ENCLOSURE MODIFY EXISTING INTERCONNECT 32 INSTALL POLE MOUNTED SPLICE CABINET

INSTALL BASE MOUNTED SPLICE CABINET 34 INSTALL CABINET FOUNDATION 45 ASSEMBLY

INSTALL CCTV CAMERA POLE MOUNTED CABINET 36 INSTALL CCTV CAMERA ASSEMBLY

INSTALL CCTV CAMERA WOOD 37 POLE INSTALL CCTV CAMERA METAL 38 POLE AND FOUNDATION

39 INSTALL JUNCTION BOX 40A INSTALL OVERSIZED JUNCTION BOX 50 ANTENNA

42 INSTALL WOOD POLE 52B INSTALL JUNCTION BOX MARKER | 63 | 53A STORE 20 FEET OF COMMUNICATIONS CABLE 43 REMOVE EXISTING WOOD POLE

STORE 50 FEET OF EACH 44 INSTALL AERIAL GUY ASSEMBLY COMMUNICATIONS CABLE INSTALL STANDARD GUY LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE

55 LASH CABLE(S) TO EXISTING INSTALL SIDEWALK GUY 46 ASSEMBLY MESSENGER CABLE LASH CABLE(S) TO NEW 47 INSTALL MESSENGER CABLE MESSENGER CABLE REMOVE EXISTING MODIFY EXISTING ELECTRICAL

48A COMMUNICATIONS AND MESSENGER CABLE SERVICE INSTALL NEW ELECTRICAL SERVICE REMOVE EXISTING 48B COMMUNICATIONS CABLE 59 INSTALL NEW EQUIPMENT BACK PULL EXISTING 49 COMMUNICATIONS CABLE

INSTALL CELL MODEM AND BOND TRACER WIRE TO EQUIPMENT GROUND BUS DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS

BOND RISER TO POLE GROUND

BOND MESSENGER CABLE TO POLE GROUND INSTALL HEAT SHRINK TUBING RETROFIT KIT INSTALL MOLDABLE DUCT 66

67 SLACK SPAN

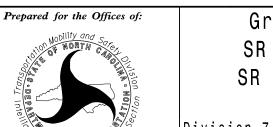
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AtkinsRéalis

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326



TMP PHASE IV - Final Design

Greensboro Signal System SR 1818 (Johnson Street), SR 1850 (Sandy Ridge Road)

Cable Routing Plans Guilford County Greensboro February 2025 | REVIEWED BY: AM Encarnacion

JT Stiff REVIEWED BY: PL Alexander PREPARED BY: 0 Greenfield Parkway, Garner, NC 275 REVISIONS INIT. DATE CADD Filename: U4758_SCP-21.dg

CARA 056276 James Stiff 3/14/2025

CONDUIT

8 TRENCH

9 INSTALL PVC CONDUIT INSTALL RIGID, GALVANIZED STEEL

INSTALL CABLE(S) IN NEW RISER

INSTALL NEW ETHERNET EDGE **SWITCH**

INSTALL AERIAL SPLICE

CENTER /SPLICE ENCLOSURE BOX

INSTALL SPECIAL OVERSIZED 40B JUNCTION BOX (36" x 24" x 24") REMOVE EXISTING JUNCTION

INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100
FEET OF CABLE 52A INSTALL DELINEATOR MARKER

CABINET DISCONNECT

BOND RISER AND MESSENGER CABLE TO POLE GROUND

TRIAD DR

SKEET CLUB RD

E LEXINGTON AVE

E GREEN DR

Toc

JAMESTOWN PKWY

E MLK DR

TRIANGLE LAKE RD

Ö 07-1114

BAME RD 07-1113

07-0935 (ON RING 3)

E LEXINGTON AVE

U-4758 SCP-22

HIGH POINT SIGNAL SYSTEM RING 21

LEGEND RING ROUTE LOCATION OF SIGNAL ON RING

C AtkinsRéalis

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

TMP PHASE IV - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road)

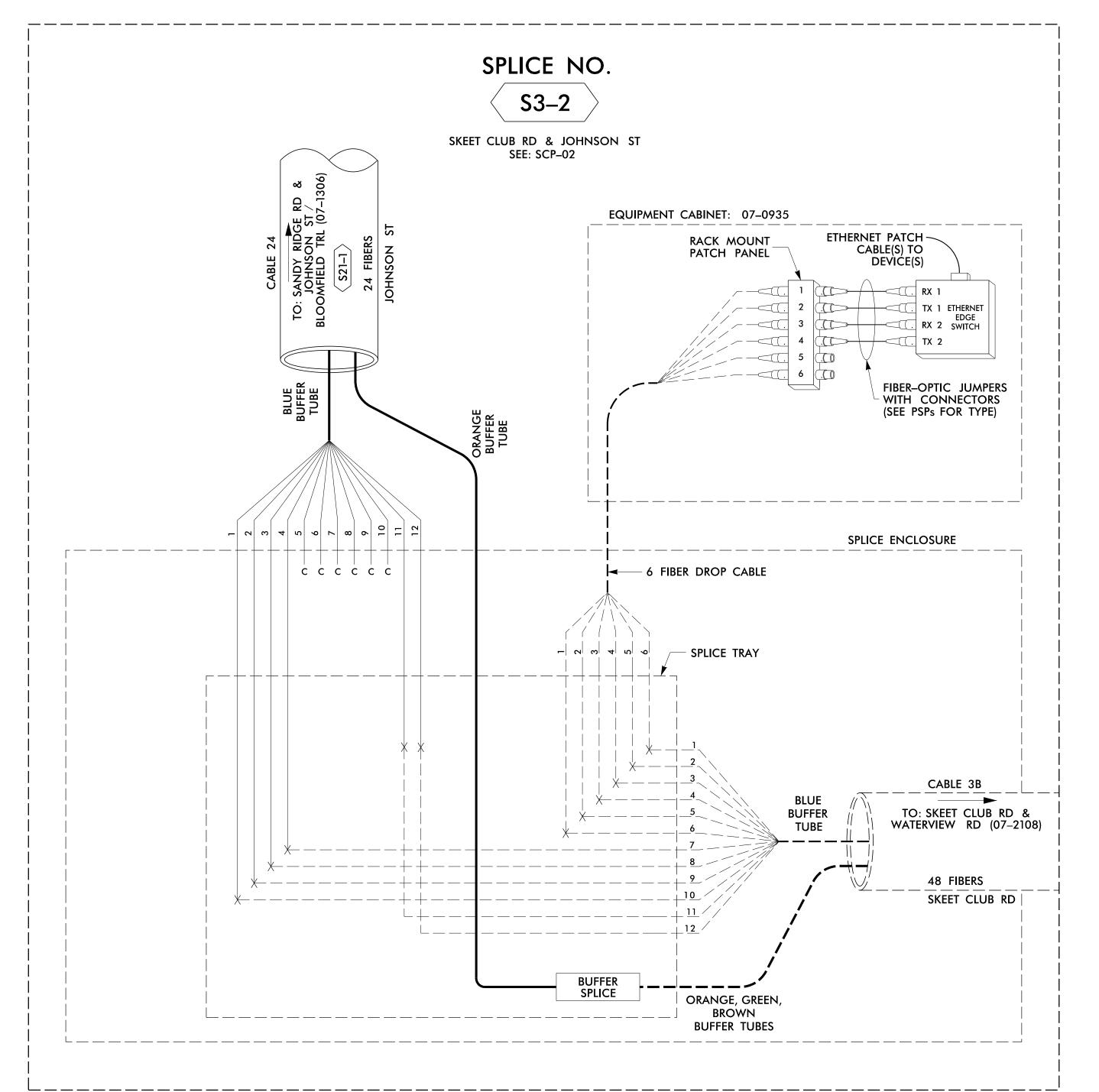
Ring Layout
Division 7 Guilford County

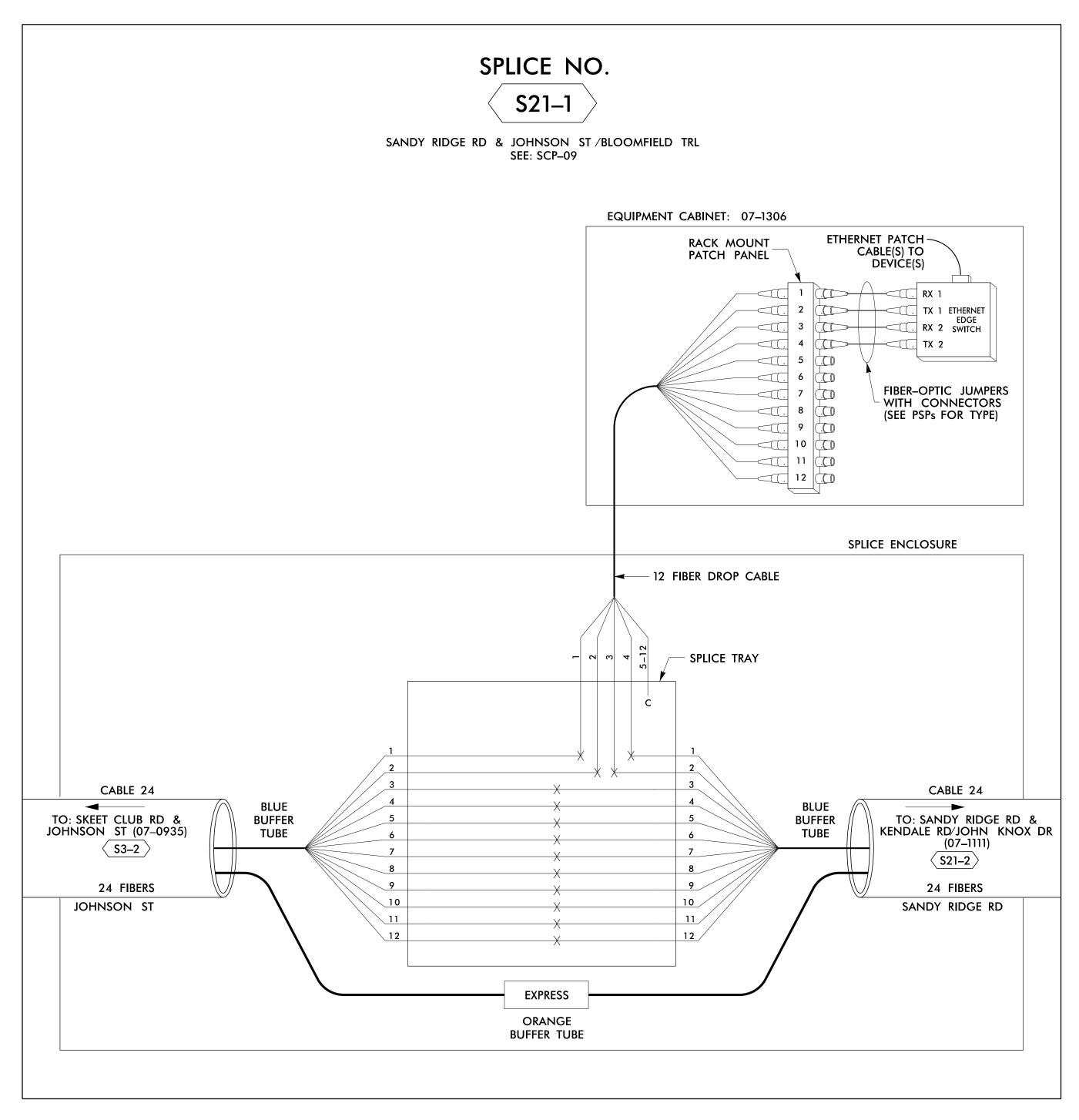
Division 7 Guilford County High Point
PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion

3/14/2025 CADD Filename: U4758_SCP-22.dg

750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE

PROJECT REFERENCE NO. SCP-23 U-4758





1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION

2) DATE

3) COMPANY NAME

4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

TMP PHASE IV - Final Design

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**



High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans

Division 7 Guilford County High Point

PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion 750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE

056276 3/14/2025 CADD Filename: U4758_SCP-23.dg

(1) BLUE (5) SLATE (6) WHITE

COLOR CODE TIA/EIA 598-B (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW (4) BROWN (10) VIOLET (11) ROSE

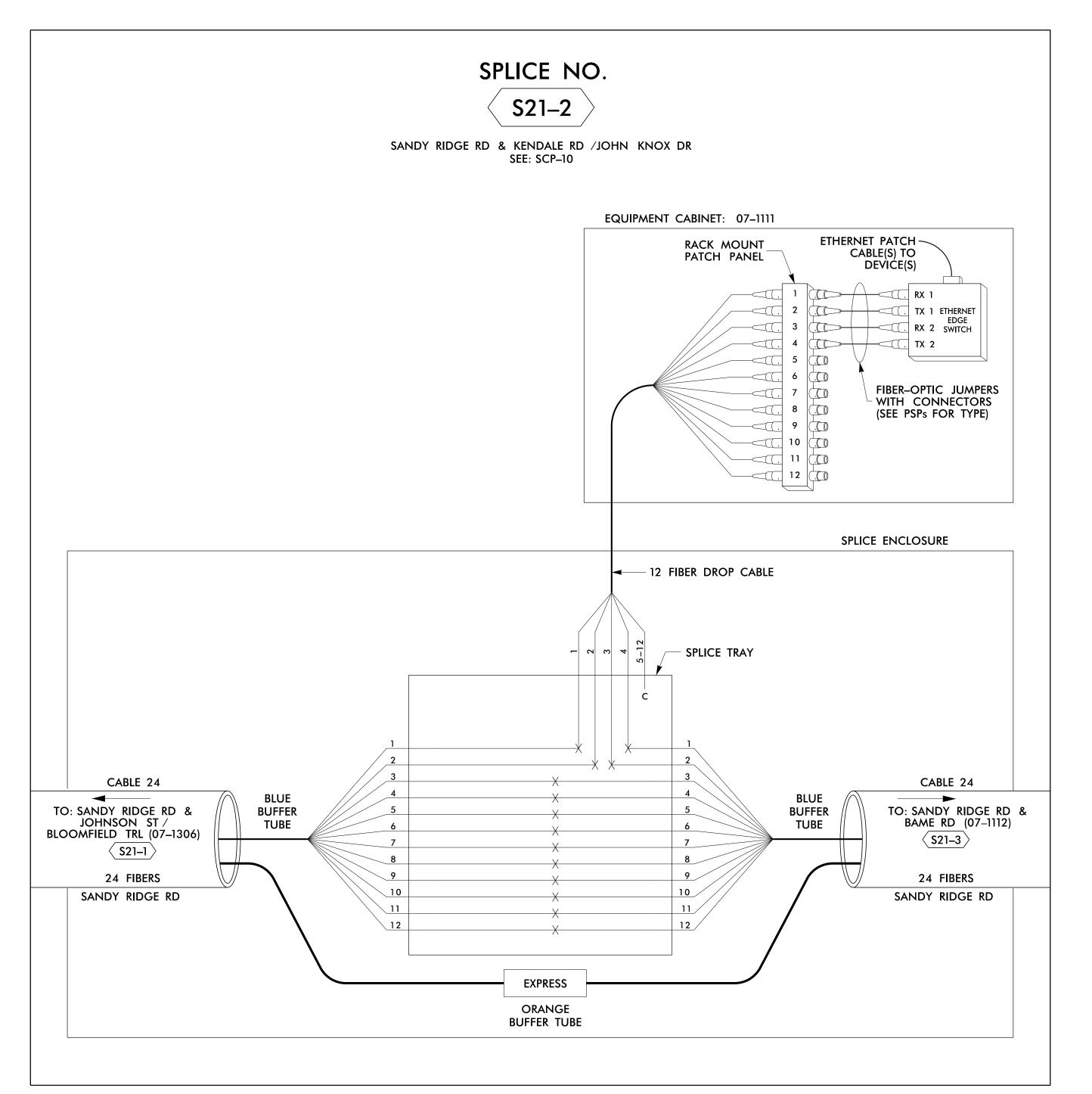
(12) AQUA

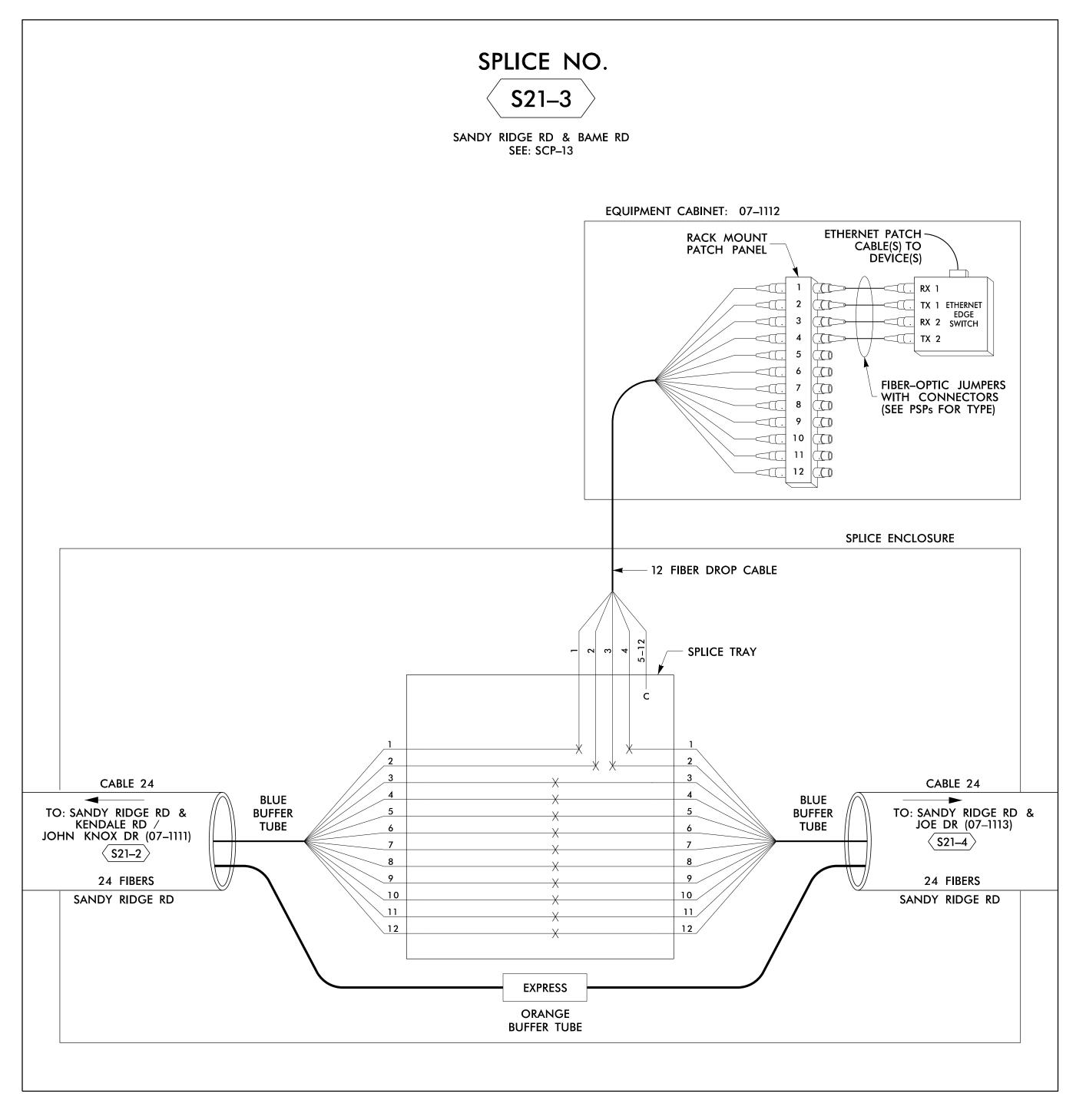
X = FUSION SPLICE INDIVIDUAL FIBERC = CAP AND SEAL**EXPRESS** BUFFER SPLICE

LEGEND

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING EXISTING BUFFER TUBE /FIBERS. DO NOT EXISTING

PROJECT REFERENCE NO. SCP-24 U-4758





1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345–4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION 2) DATE

3) COMPANY NAME

4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

TMP PHASE IV - Final Design DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED** High Point Signal System



SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans

056276 James Stiff 3/14/2025

AtkinsRéalis

LEGEND

(12) AQUA

X = FUSION SPLICE INDIVIDUAL FIBERCOLOR CODE TIA/EIA 598-B C = CAP AND SEAL**EXPRESS** (8) BLACK (9) YELLOW BUFFER SPLICE (10) VIOLET (11) ROSE

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR EXISTING BUFFER TUBE /FIBERS. DO NOT EXISTING MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

(1) BLUE

(3) GREEN

(4) BROWN

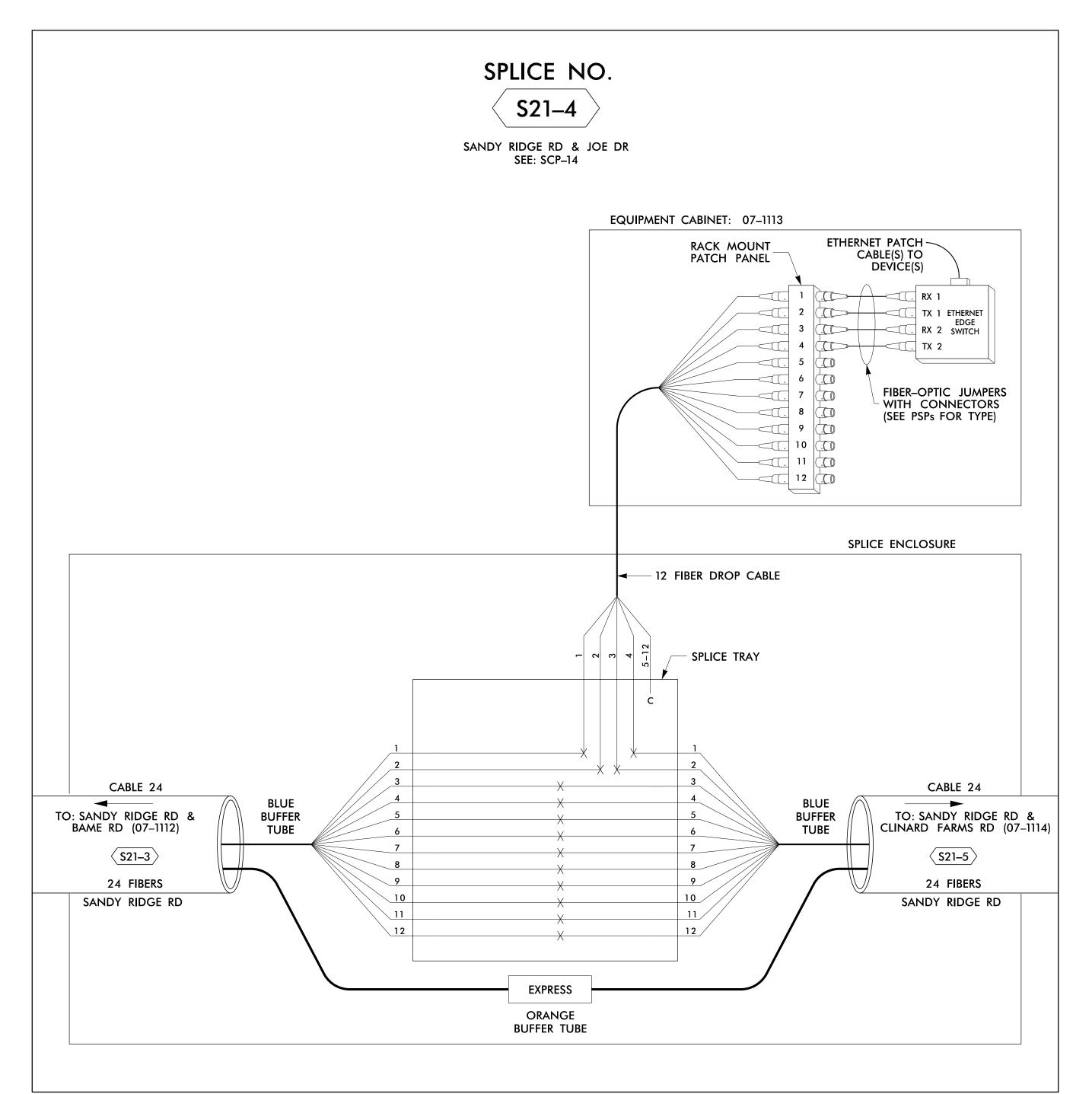
(5) SLATE

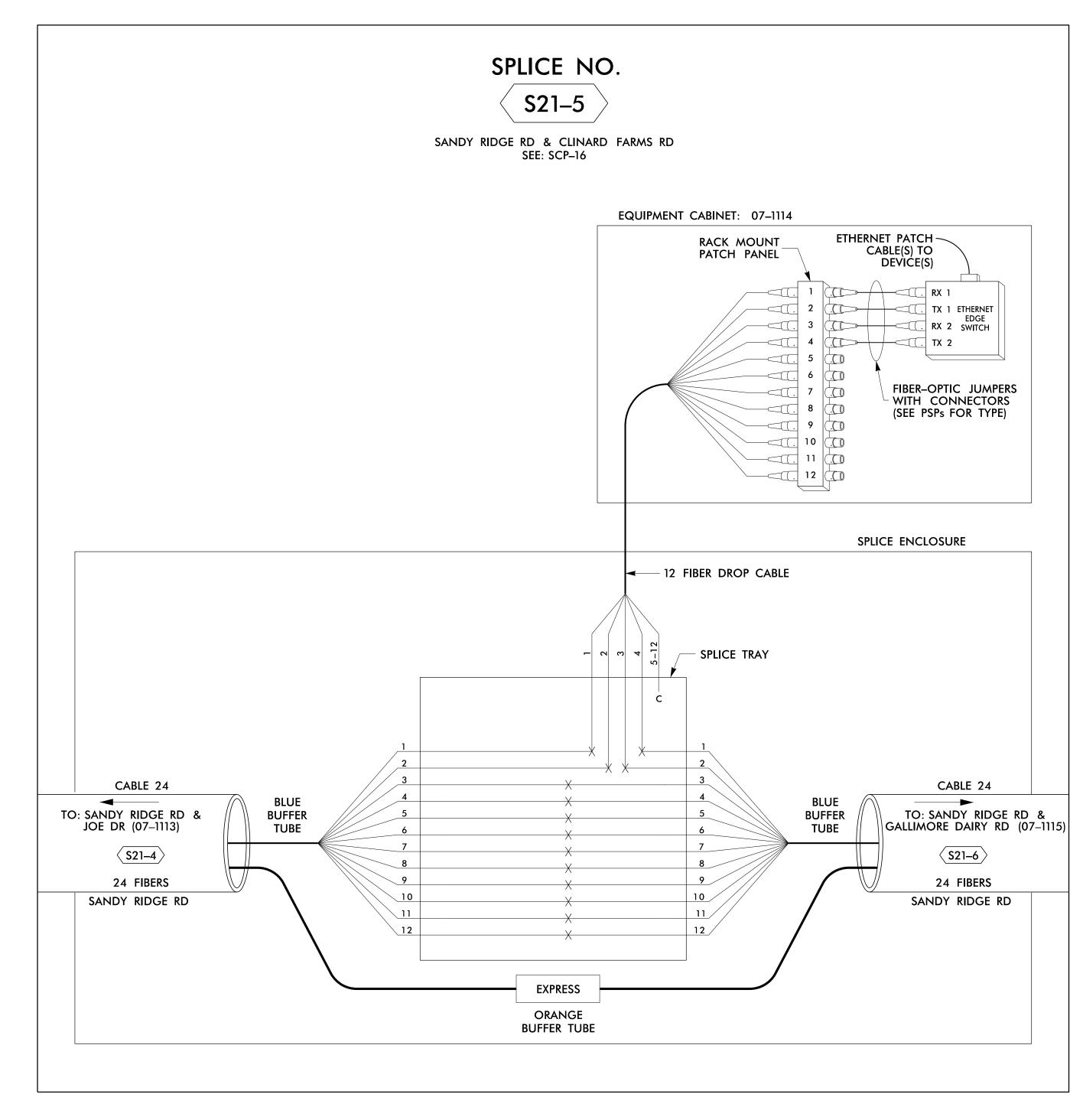
(6) WHITE

(2) ORANGE

Division 7 Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion 750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE CADD Filename: U4758_SCP-24.dg

PROJECT REFERENCE NO. SCP-25 U-4758





1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION

2) DATE

3) COMPANY NAME

4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4)

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TMP PHASE IV - Final Design

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High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans

REVISIONS

Division 7 Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion 750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

056276 INIT. DATE 3/14/2025 CADD Filename: U4758_SCP-25.dg

(1) BLUE (2) ORANGE (3) GREEN (4) BROWN (5) SLATE

(6) WHITE

COLOR CODE TIA/EIA 598-B (8) BLACK (9) YELLOW (10) VIOLET (11) ROSE

(12) AQUA

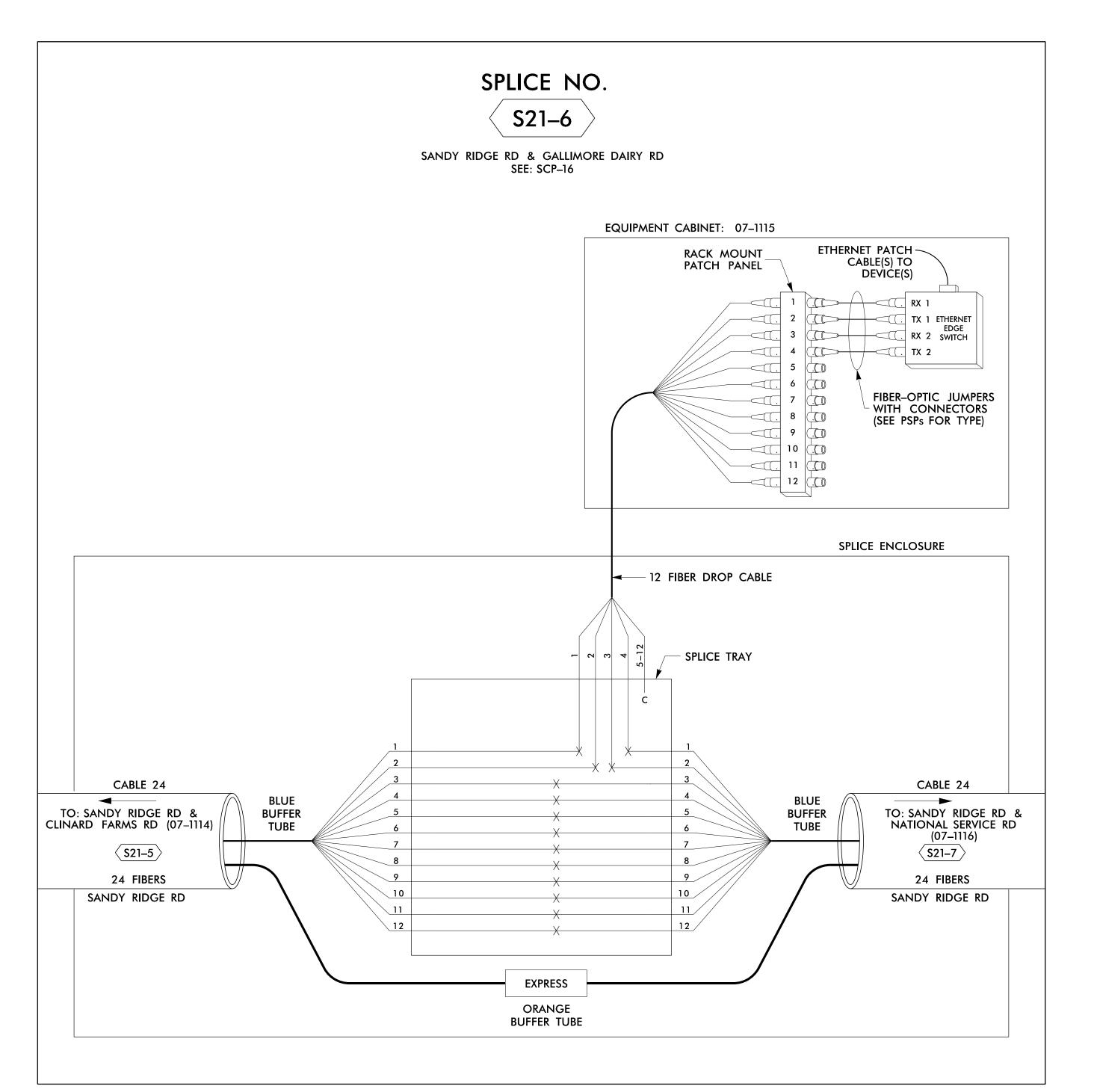
X = FUSION SPLICE INDIVIDUAL FIBERC = CAP AND SEAL**EXPRESS** BUFFER SPLICE

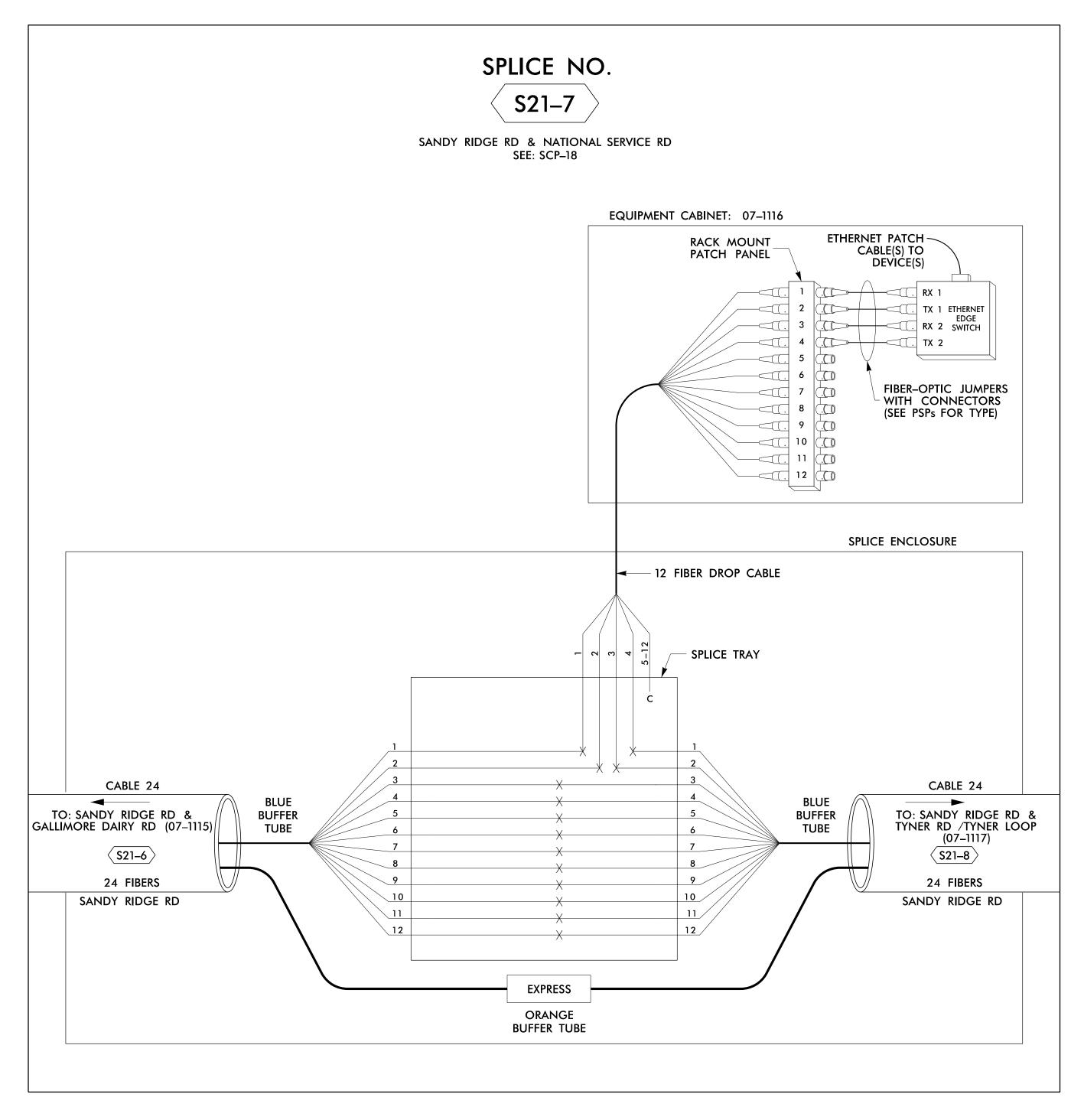
LEGEND

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR EXISTING BUFFER TUBE /FIBERS. DO NOT EXISTING MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

AND SUBMIT ALONG WITH OTDR TEST RESULTS.

PROJECT REFERENCE NO. SCP-26 U-4758





1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

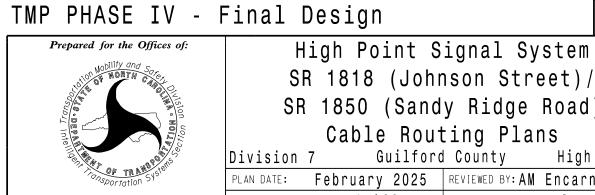
1) SPLICE LOCATION

2) DATE

3) COMPANY NAME 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326 DOCUMENT NOT CONSIDERED FINAL



SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans

Division 7 Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion 750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE

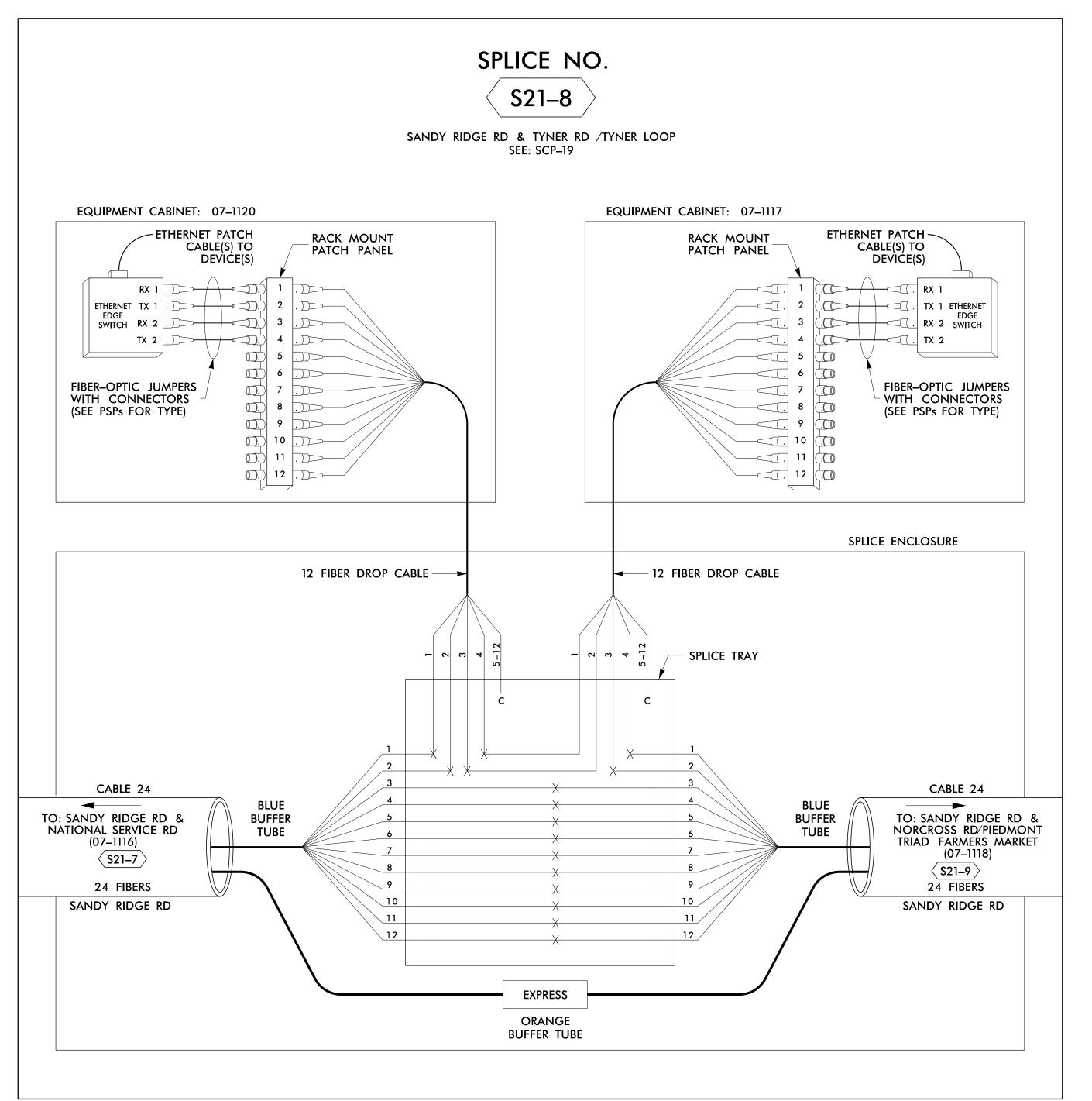
056276 3/14/2025 CADD Filename: U4758_SCP-26.dg

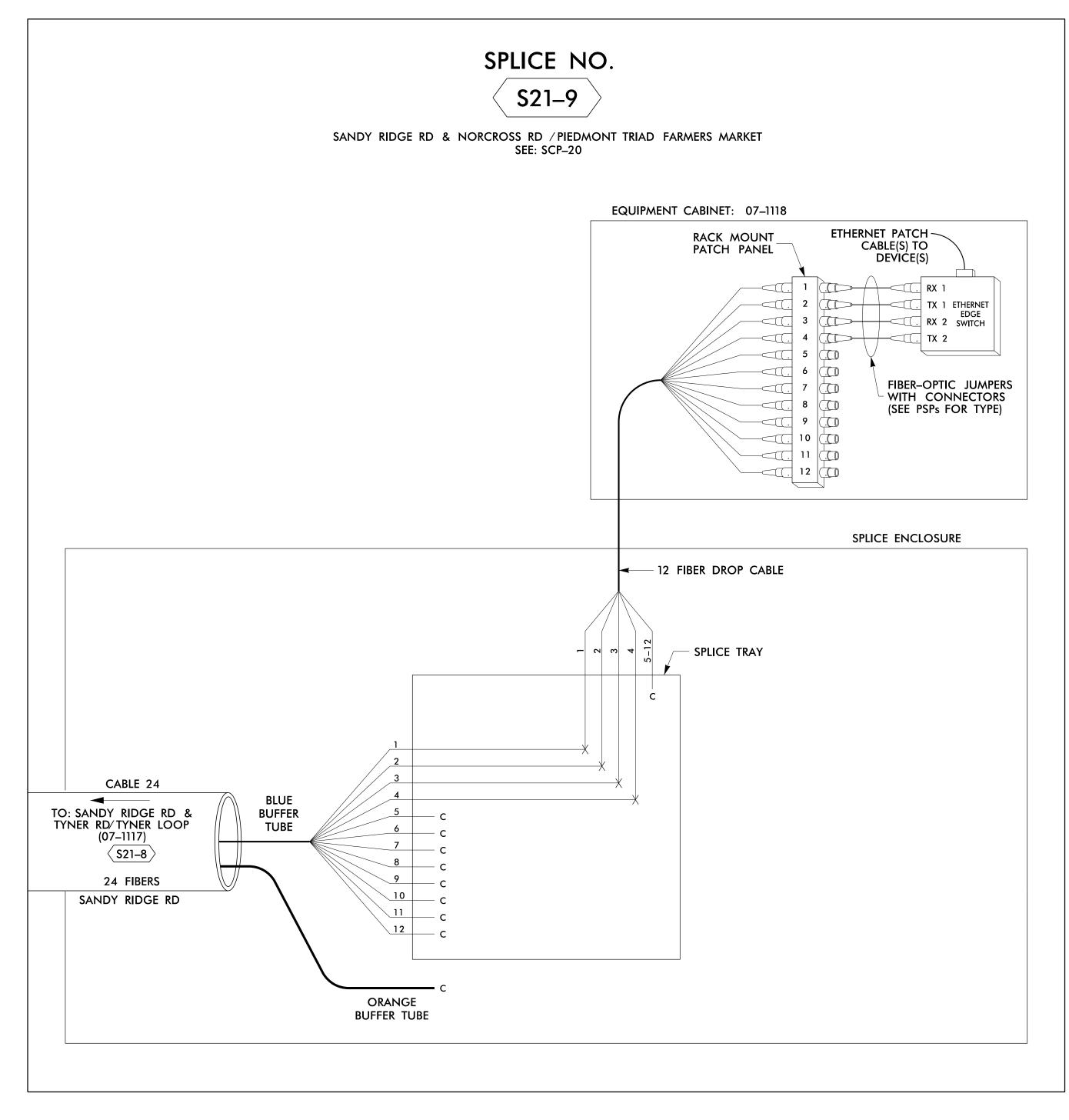
UNLESS ALL SIGNATURES COMPLETED

X = FUSION SPLICE INDIVIDUAL FIBERCOLOR CODE TIA/EIA 598-B C = CAP AND SEAL(1) BLUE EXPRESS ENTIRE BUFFER TUBE /FIBERS **EXPRESS** THROUGH WITHOUT CUTTING (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW SPLICE ALL FIBERS IN BUFFER BUFFER SPLICE (4) BROWN (10) VIOLET TUBE COLOR TO COLOR (5) SLATE (11) ROSE EXISTING BUFFER TUBE /FIBERS. DO NOT EXISTING (6) WHITE (12) AQUA MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

LEGEND

PROJECT REFERENCE NO. SCP-27 U-4758





1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF HIGH POINT TRAFFIC DEPARTMENT AT (336) 345–4616 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION

2) DATE

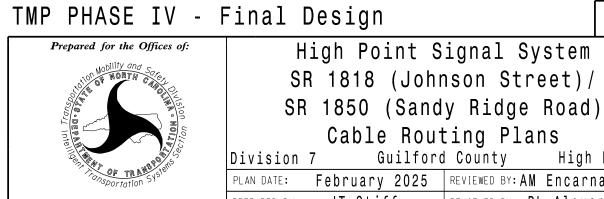
3) COMPANY NAME

4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**



Cable Routing Plans

Division 7 Guilford County High Point PLAN DATE: February 2025 | REVIEWED BY: AM Encarnacion 750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE

056276 3/14/2025 CADD Filename: U4758_SCP-27.dg

(6) WHITE

COLOR CODE TIA/EIA 598-B (1) BLUE (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW (4) BROWN (10) VIOLET (5) SLATE (11) ROSE (12) AQUA

C = CAP AND SEAL**EXPRESS** BUFFER SPLICE

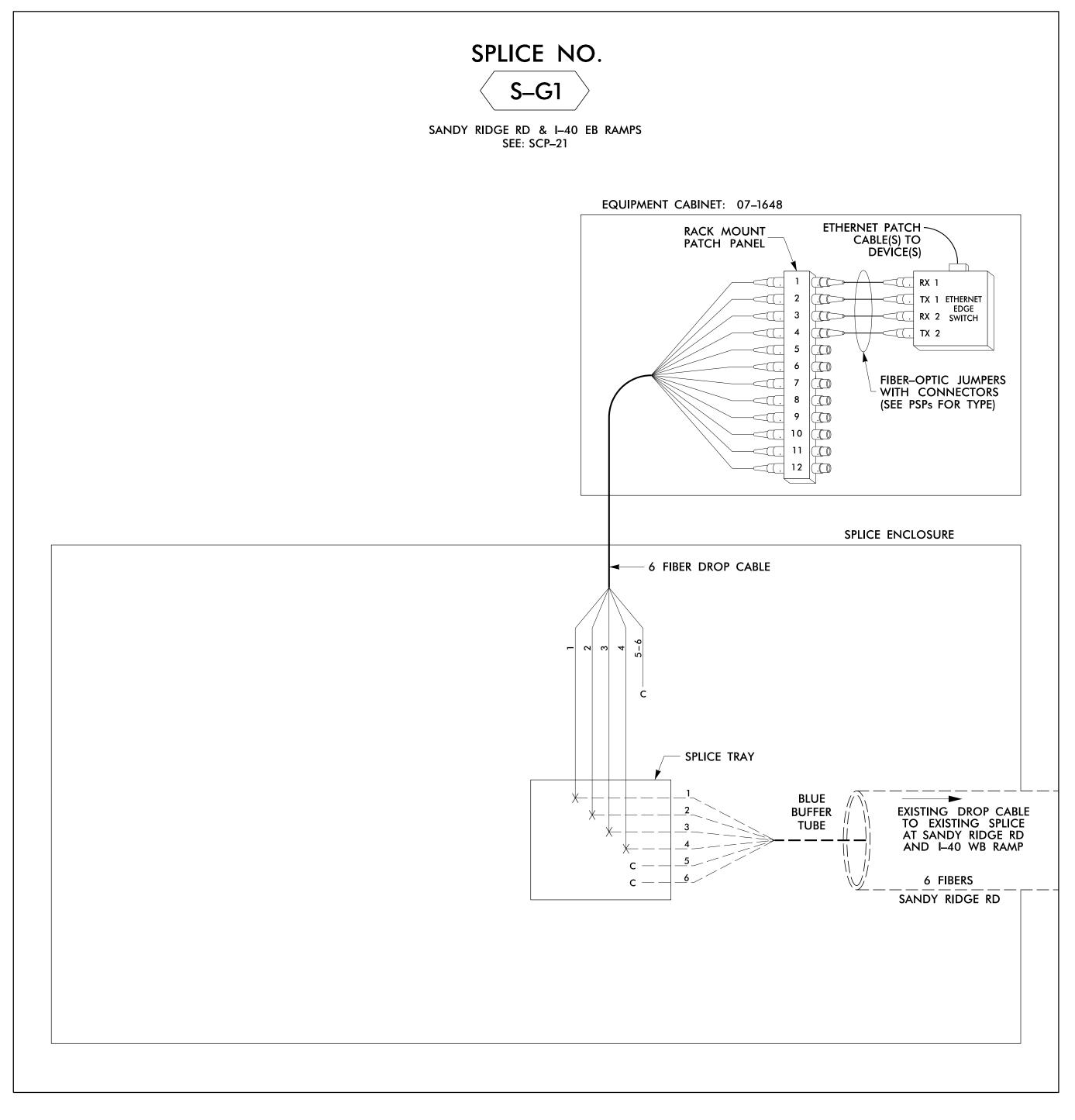
EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING EXISTING

LEGEND

SPLICE ALL FIBERS IN BUFFER EXISTING BUFFER TUBE /FIBERS. DO NOT

X = FUSION SPLICE INDIVIDUAL FIBER

PROJECT REFERENCE NO. SHEET NO. SCP-28 U-4758



1. FIVE (5) DAYS PRIOR TO BEGINNING WORK AT SPLICE LOCATION, CONTACT CITY OF GREENSBORO TRAFFIC SIGNAL SYSTEM COORDINATOR AT (336) 373-4192 TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCH WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY TRAFFIC DEPARTMENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS UP AND OPERATIONAL ON THE CENTRAL NETWORK.

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
- 4. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC, CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION 2) DATE

3) COMPANY NAME 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

TMP PHASE IV - Final Design

AtkinsRéalis 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326 DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED



NTS

Greensboro Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Splicing Details

Division 7 Guilford County Greensboro PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion

750 Greenfield Parkway, Garner, NC 27529 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE James Stiff

056276 3/14/2025 CADD Filename: U4758_SCP-28.dg

COLOR CODE TIA⁄EIA 598-B (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW (4) BROWN (10) VIOLET (5) SLATE (11) ROSE

(12) AQUA

(6) WHITE

X = FUSION SPLICE INDIVIDUAL FIBERC = CAP AND SEAL**EXPRESS**

LEGEND

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING BUFFER SPLICE EXISTING BUFFER TUBE /FIBERS. DO NOT EXISTING