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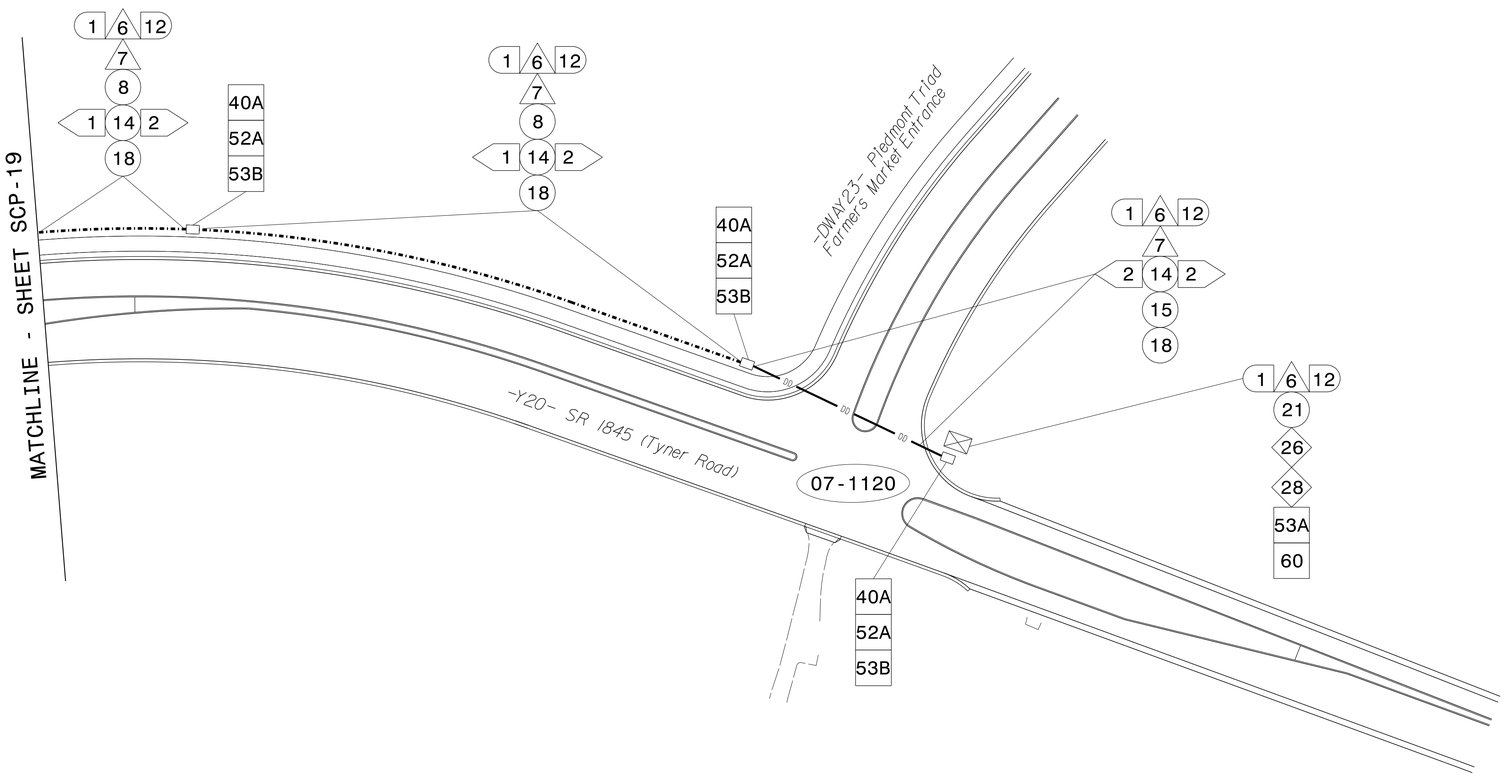
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-19A

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

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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

Prepared for the Offices of:

Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

REVISIONS	INIT.	DATE

SCALE: NTS

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
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3/14/2025
DATE

CADD Filename: U4758_SCP-19A.dgn

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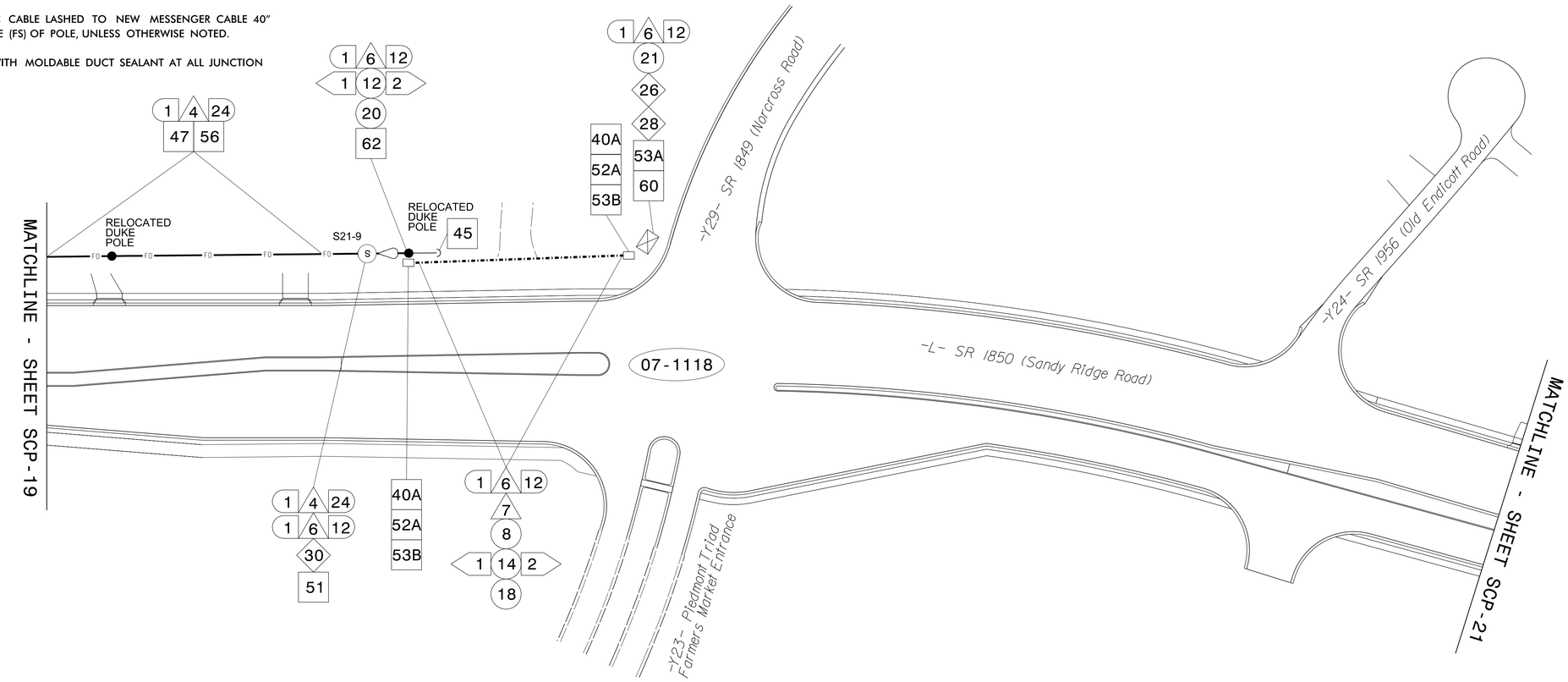
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-20

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

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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

Prepared for the Offices of:

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section

750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

SCALE: NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
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3/14/2025
DATE

CADD Filename: U4758_SCP-20.dgn

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PROJECT REFERENCE NO.	SHEET 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.

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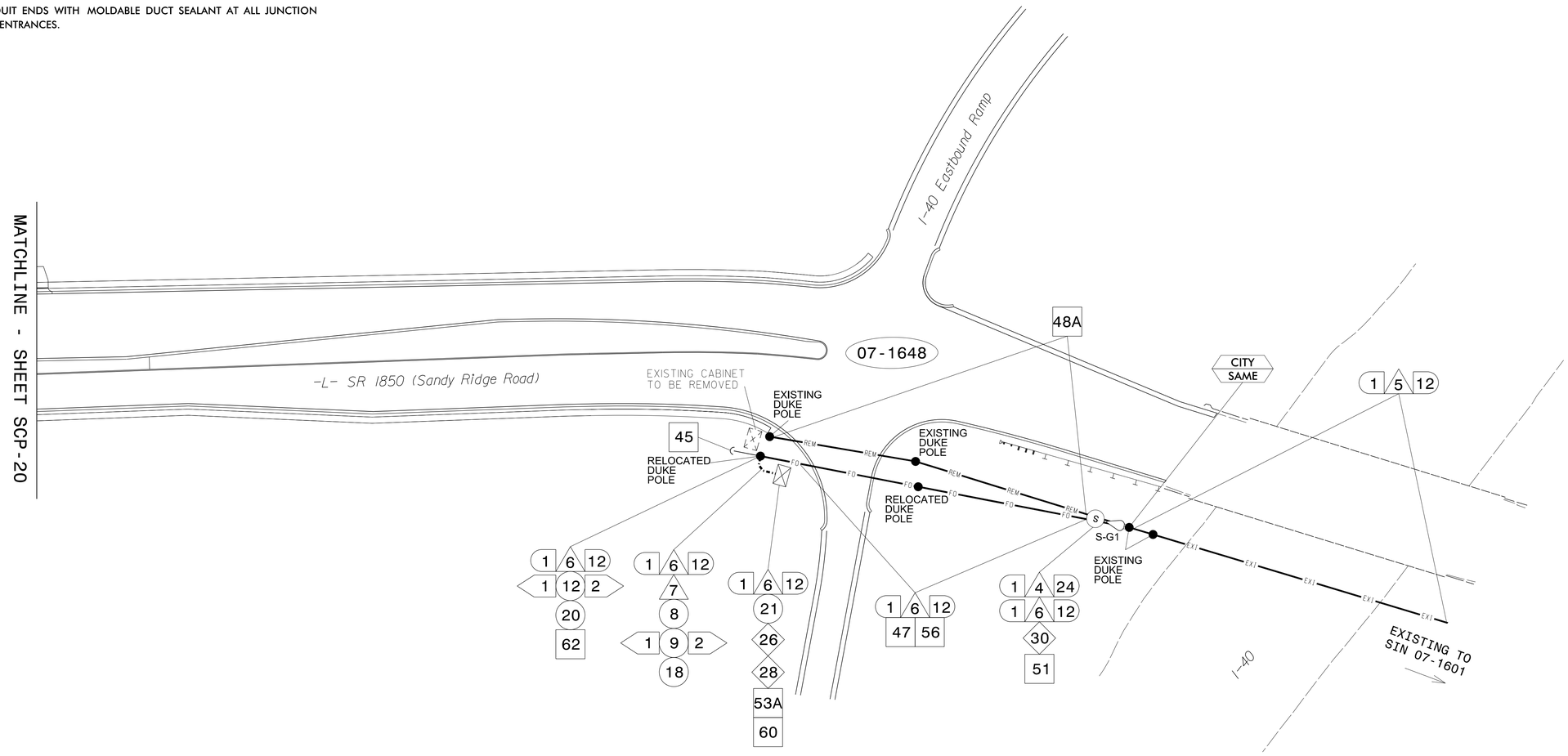

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AtkinsRéalis
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

TMP PHASE IV - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 Greenfield Parkway, Garner, NC 27529

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

Division 7 Guilford County Greensboro

PLAN DATE:	February 2025	REVIEWED BY:	AM Encarnacion
PREPARED BY:	JT Stiff	REVIEWED BY:	PL Alexander

SCALE: NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
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DATE

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PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-22

HIGH POINT SIGNAL SYSTEM

RING 21

LEGEND

———	RING ROUTE
● 07-0000	LOCATION OF SIGNAL ON RING

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

TMP PHASE IV - Final Design

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Prepared for the Offices of:

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section

750 Greenfield Parkway, Garner, NC 27529

High Point Signal System
SR 1818 (Johnson Street)/
SR 1850 (Sandy Ridge Road)
Ring Layout

Division 7 Guilford County High Point

PLAN DATE: February 2025	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: PL Alexander

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NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
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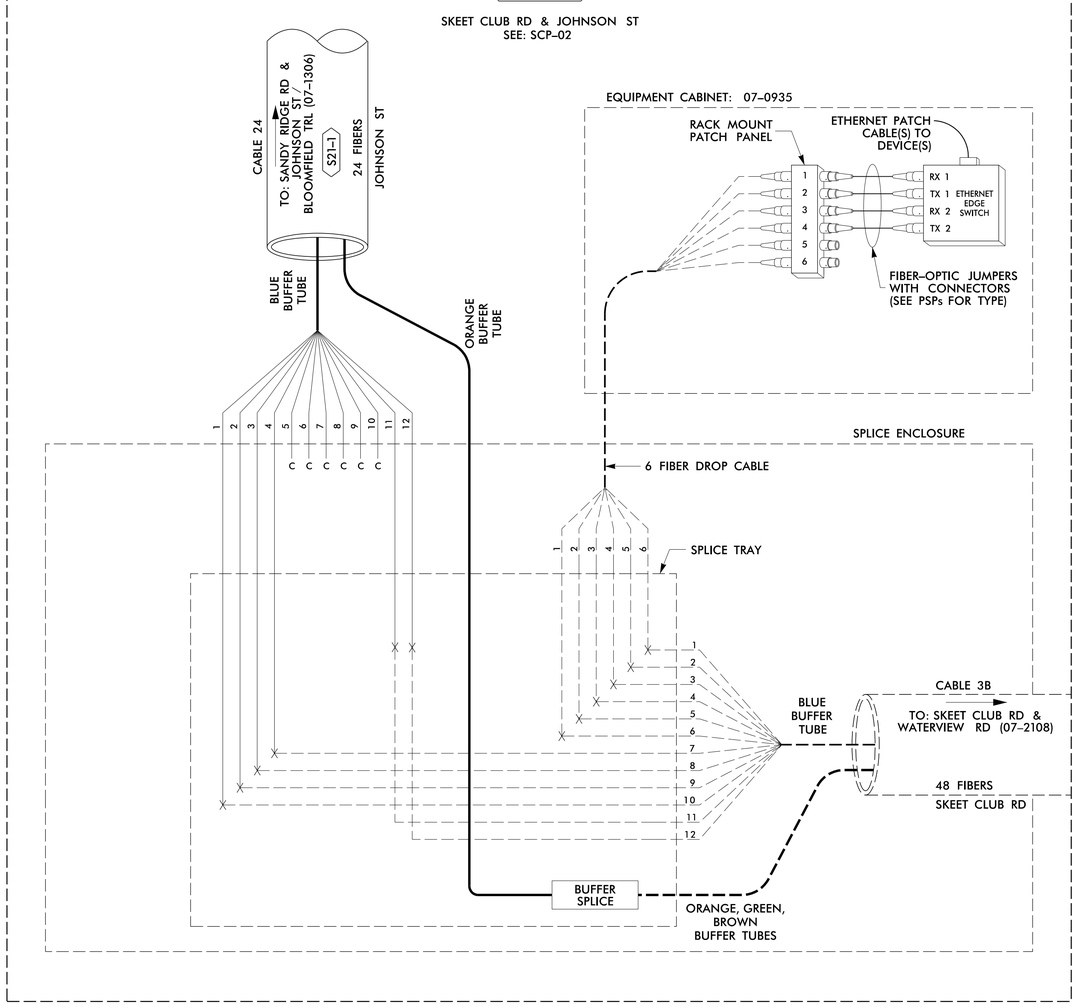
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-23

SPLICE NO. S3–2

SKEET CLUB RD & JOHNSON ST
SEE: SCP–02



SPLICE NO. S21–1

SANDY RIDGE RD & JOHNSON ST /BLOOMFIELD TRL
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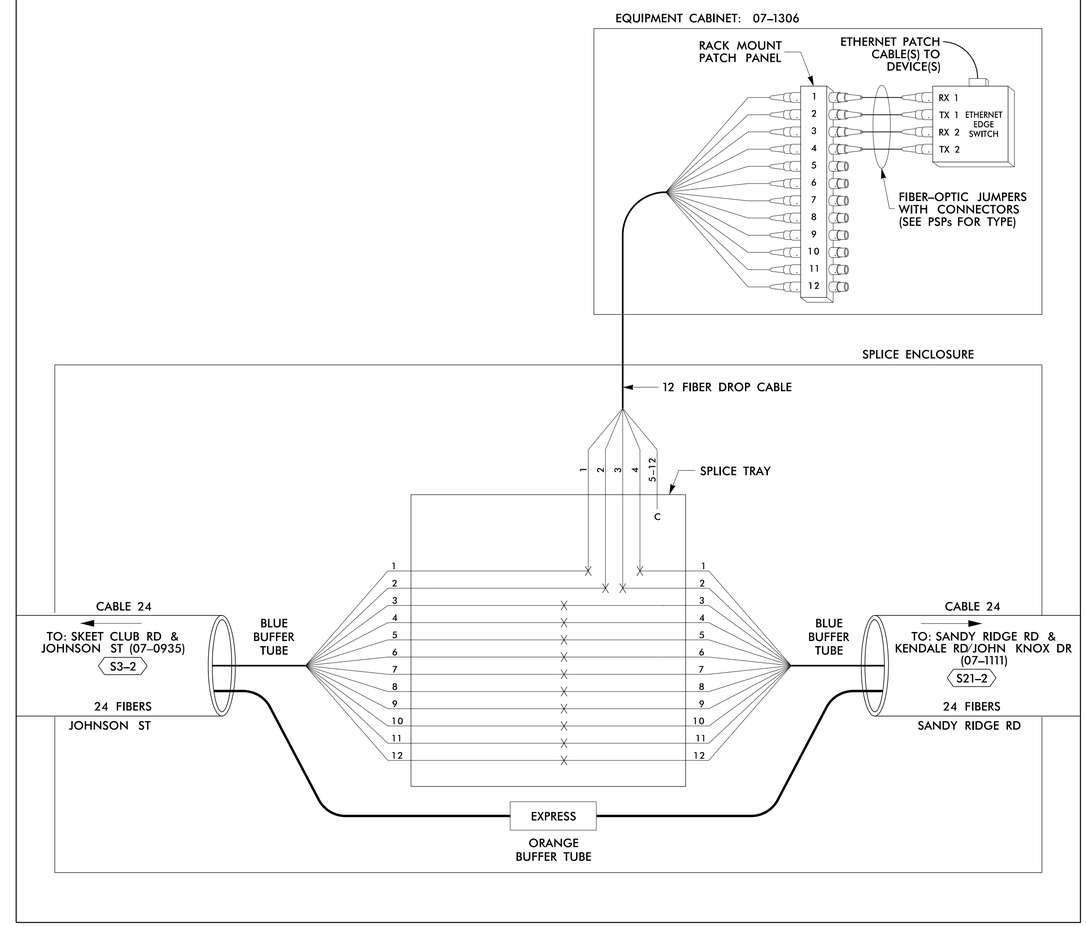

NOTES:

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.
2. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
3. 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.
5. 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.

LEGEND

X = FUSION SPLICE INDIVIDUAL FIBER
C = CAP AND SEAL

COLOR CODE TIA/EIA 598–B

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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

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TMP PHASE IV - Final Design

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750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

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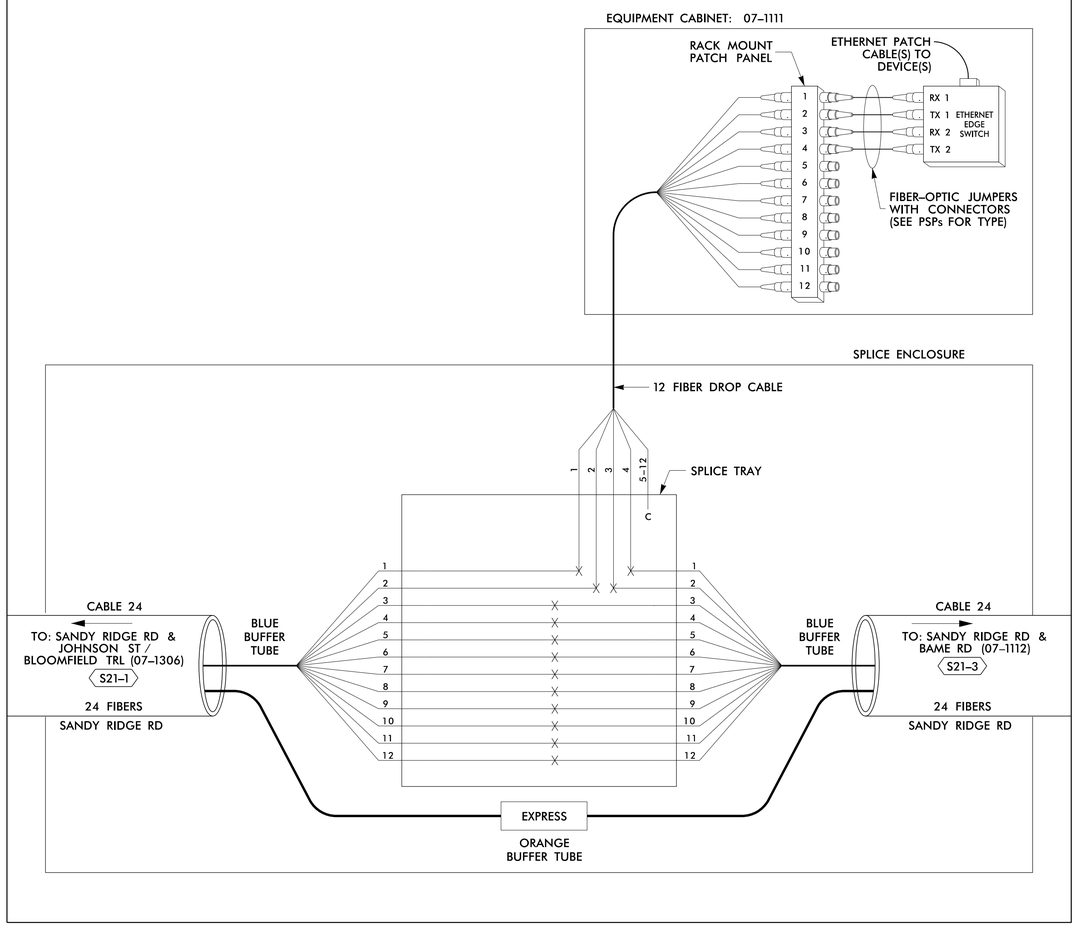
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-24

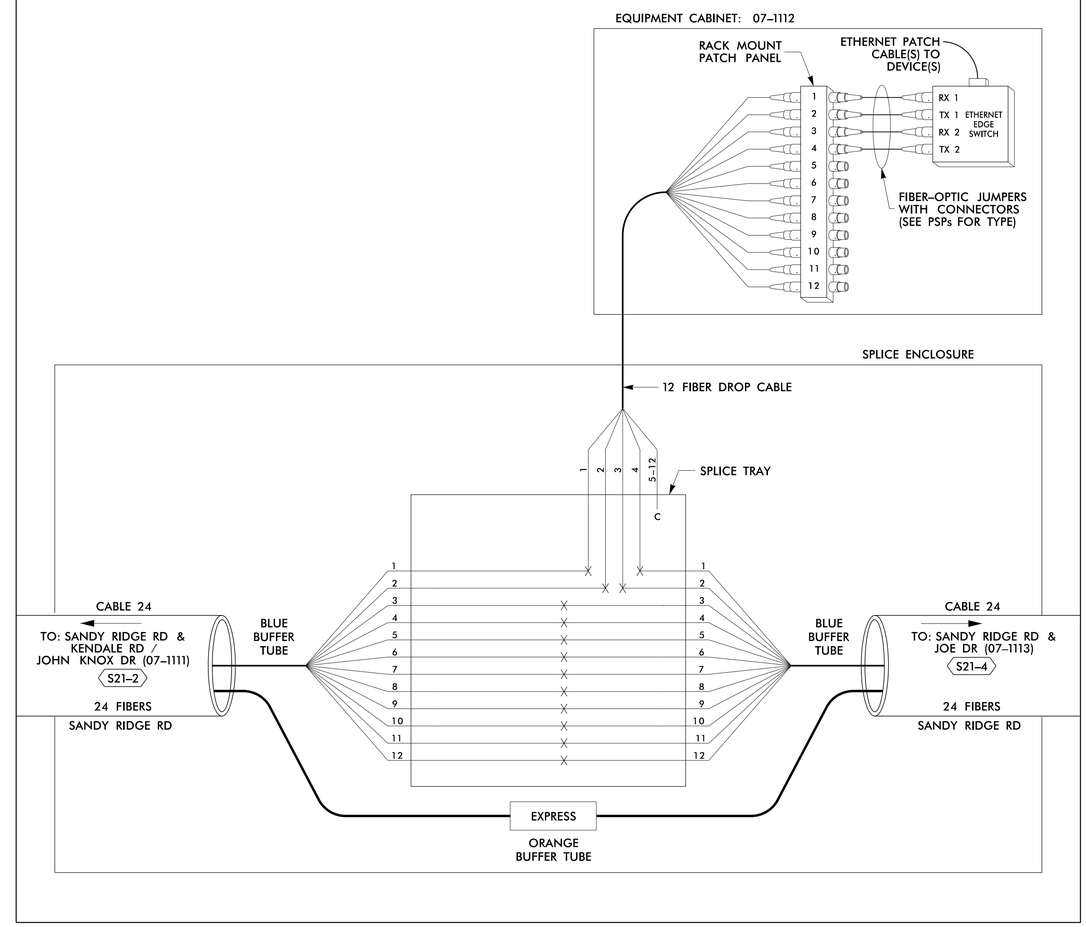
SPLICE NO. S21–2

SANDY RIDGE RD & KENDALE RD /JOHN KNOX DR
SEE: SCP–10



SPLICE NO. S21–3

SANDY RIDGE RD & BAME RD
SEE: SCP–13



NOTES:

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.
2. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
3. 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.
5. 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.

LEGEND

X = FUSION SPLICE INDIVIDUAL FIBER
C = CAP AND SEAL

COLOR CODE TIA/EIA 598–B

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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

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

TMP PHASE IV - Final Design

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Prepared for the Offices of:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF
Signed by: James Stiff
DS4B0037672A43M...
3/14/2025
DATE

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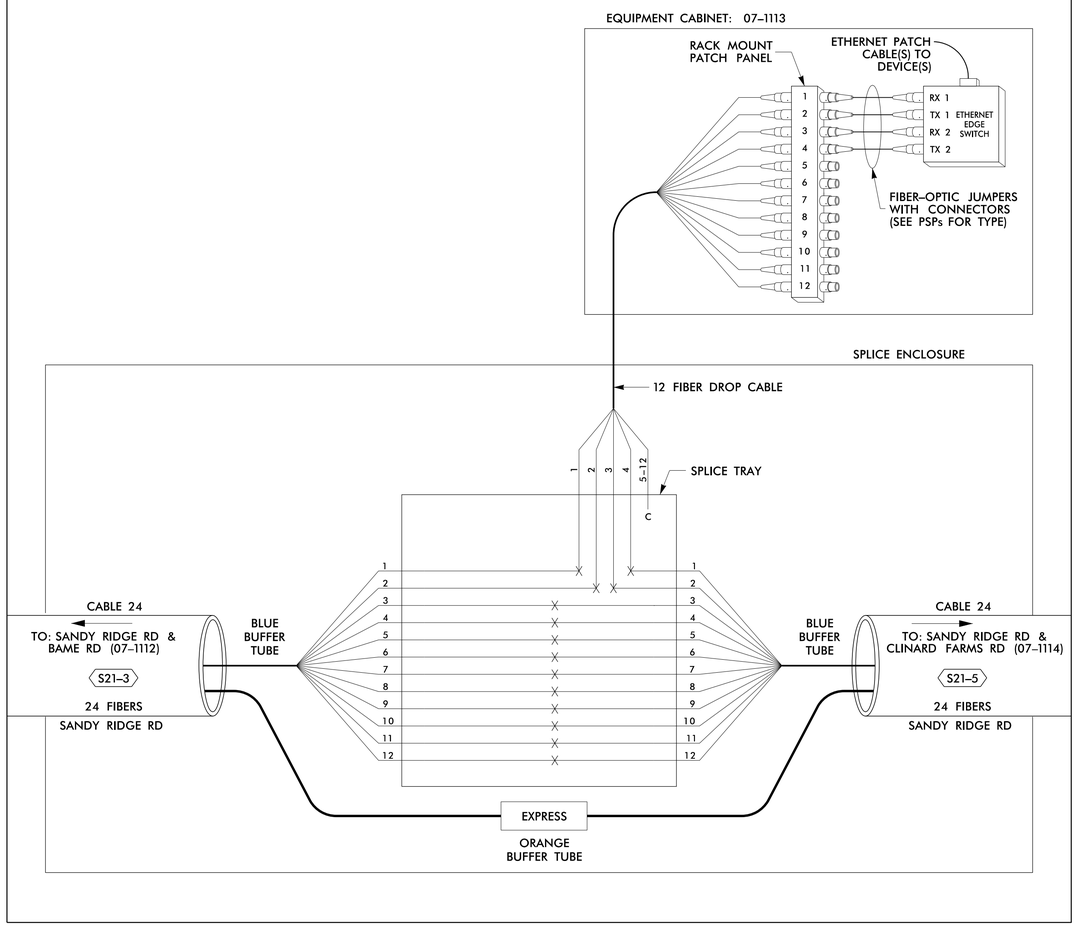
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-25

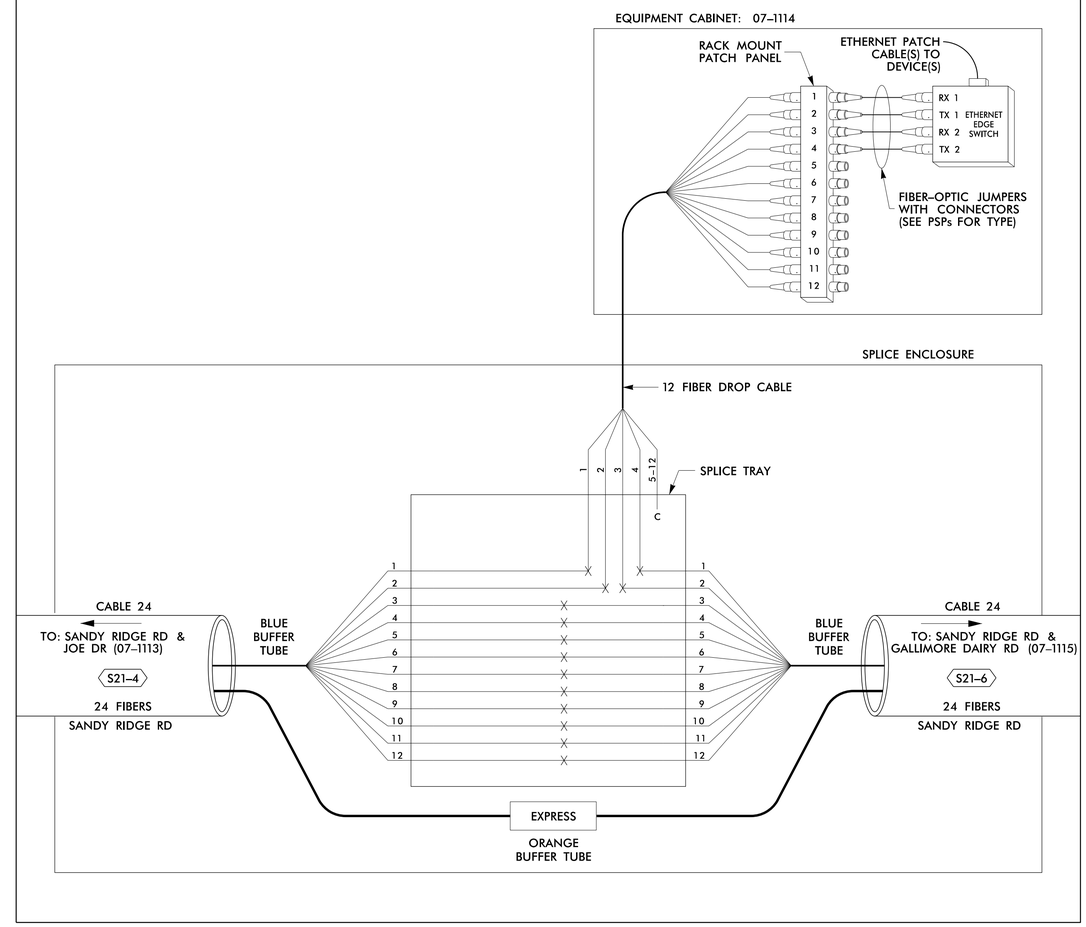
SPLICE NO. S21–4

SANDY RIDGE RD & JOE DR
SEE: SCP–14



SPLICE NO. S21–5

SANDY RIDGE RD & CLINARD FARMS RD
SEE: SCP–16



NOTES:

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.
2. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
3. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.
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5. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
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   - 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.

LEGEND

COLOR CODE TIA/EIA 598–B

(1) BLUE	(7) RED
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BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE /FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

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

TMP PHASE IV - Final Design

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Prepared for the Offices of:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF
Signed by: James Stiff
DS4B0037672A43M...
3/14/2025
DATE

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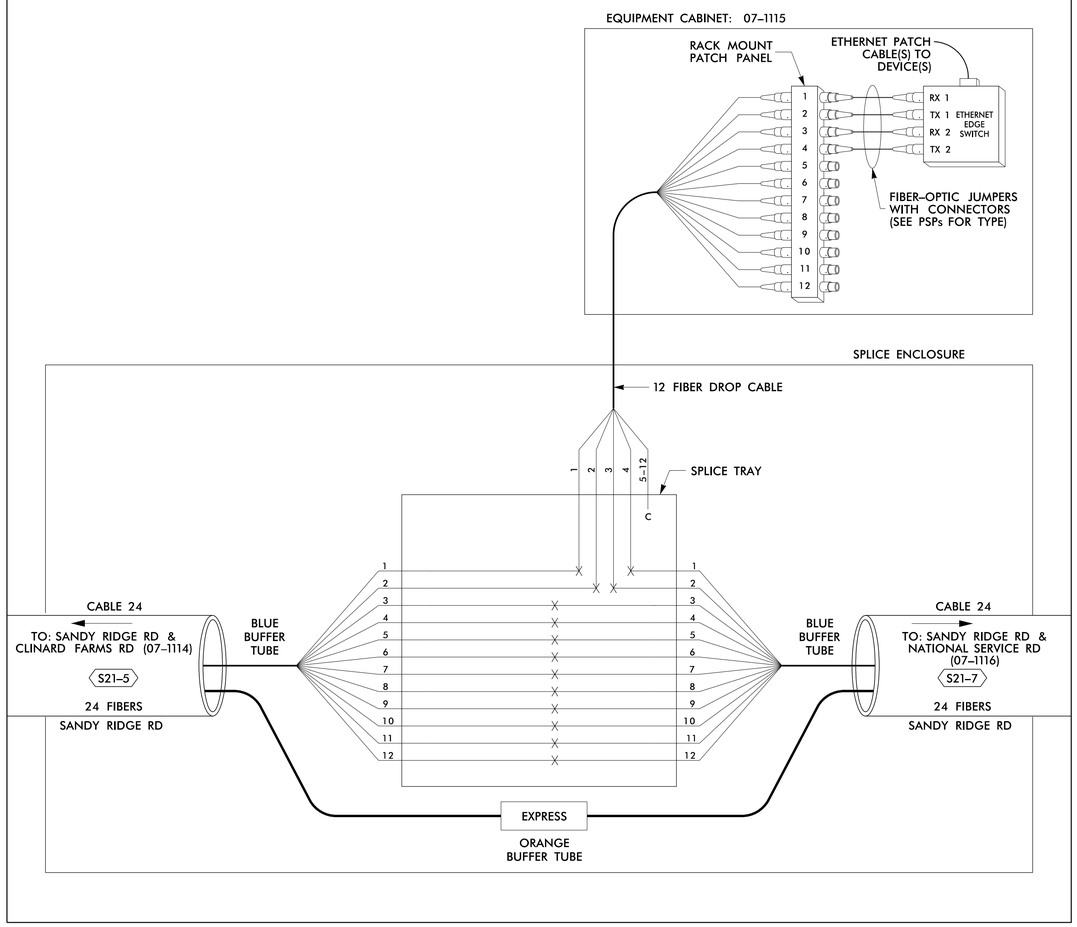
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-26

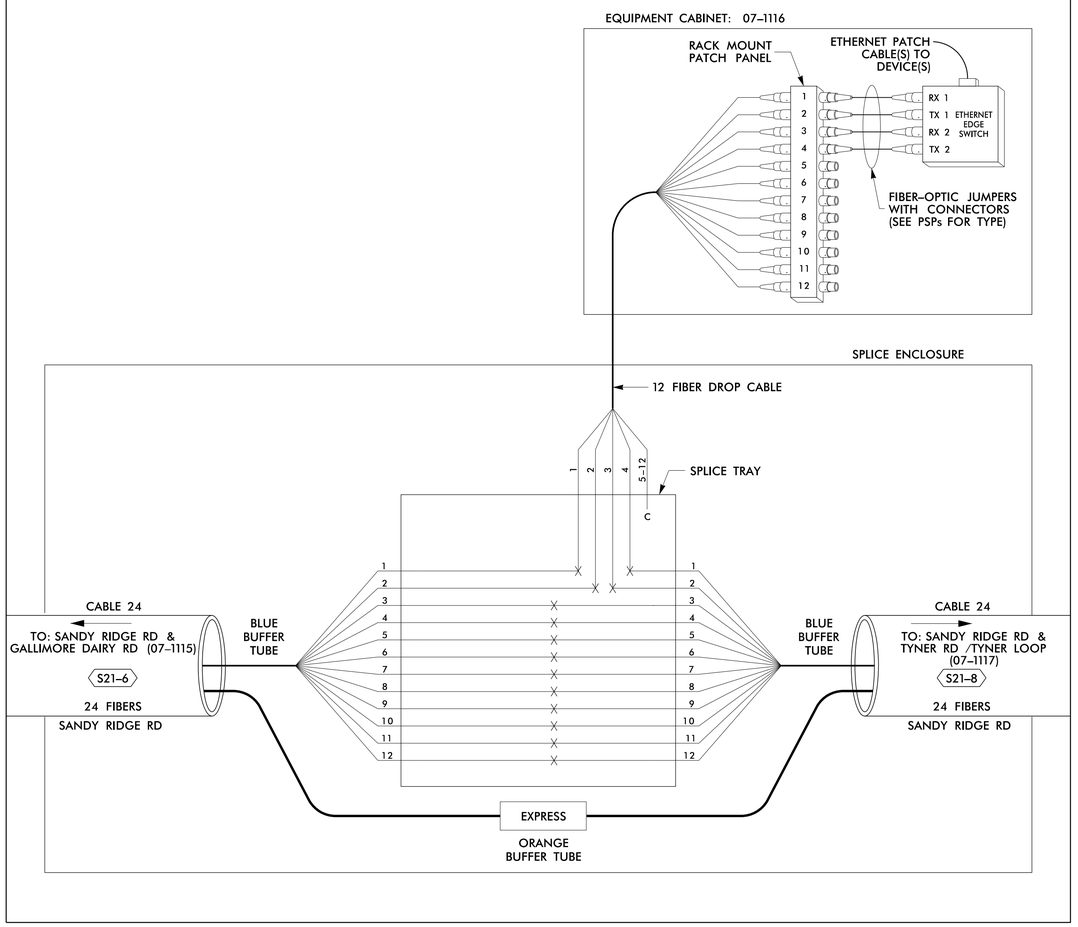
SPLICE NO. S21–6

SANDY RIDGE RD & GALLIMORE DAIRY RD
SEE: SCP–16



SPLICE NO. S21–7

SANDY RIDGE RD & NATIONAL SERVICE RD
SEE: SCP–18



NOTES:

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LEGEND

COLOR CODE TIA/EIA 598–B

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Intelligent Transportation Systems Section
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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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
DS4B0037672A43M...
3/14/2025
DATE

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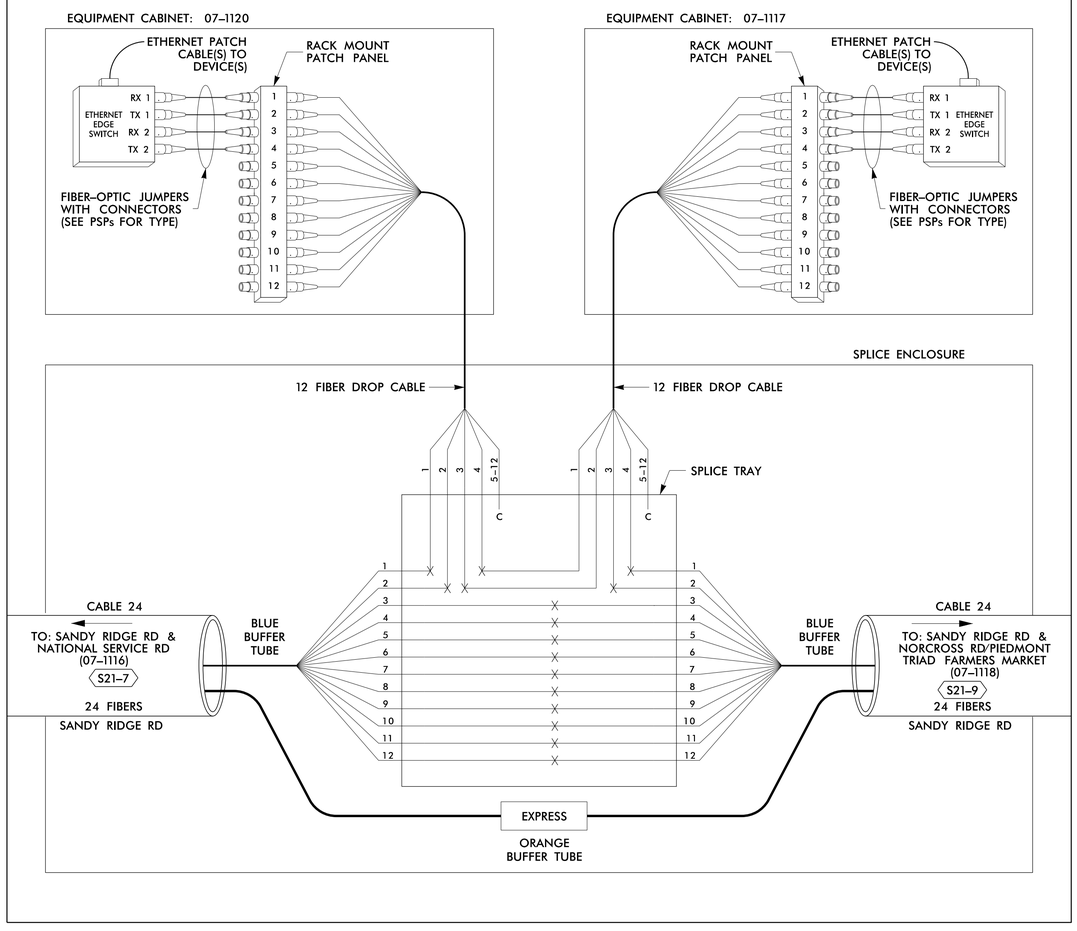
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-27

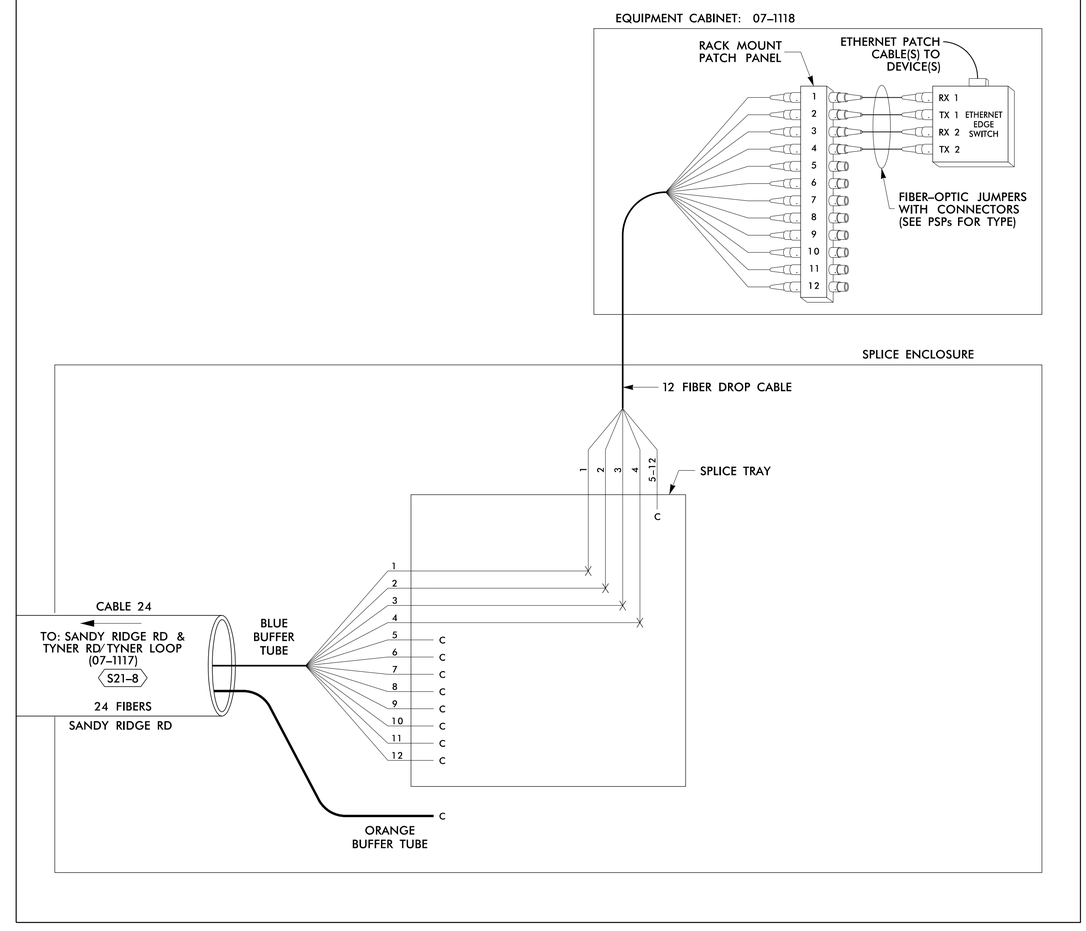
SPLICE NO. S21–8

SANDY RIDGE RD & TYNER RD /TYNER LOOP
SEE: SCP–19



SPLICE NO. S21–9

SANDY RIDGE RD & NORCROSS RD /PIEDMONT TRIAD FARMERS MARKET
SEE: SCP–20



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LEGEND

COLOR CODE TIA/EIA 598–B

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Prepared for the Offices of:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF
Signed by: James Stiff
DS4B0037672A43A...
3/14/2025
DATE

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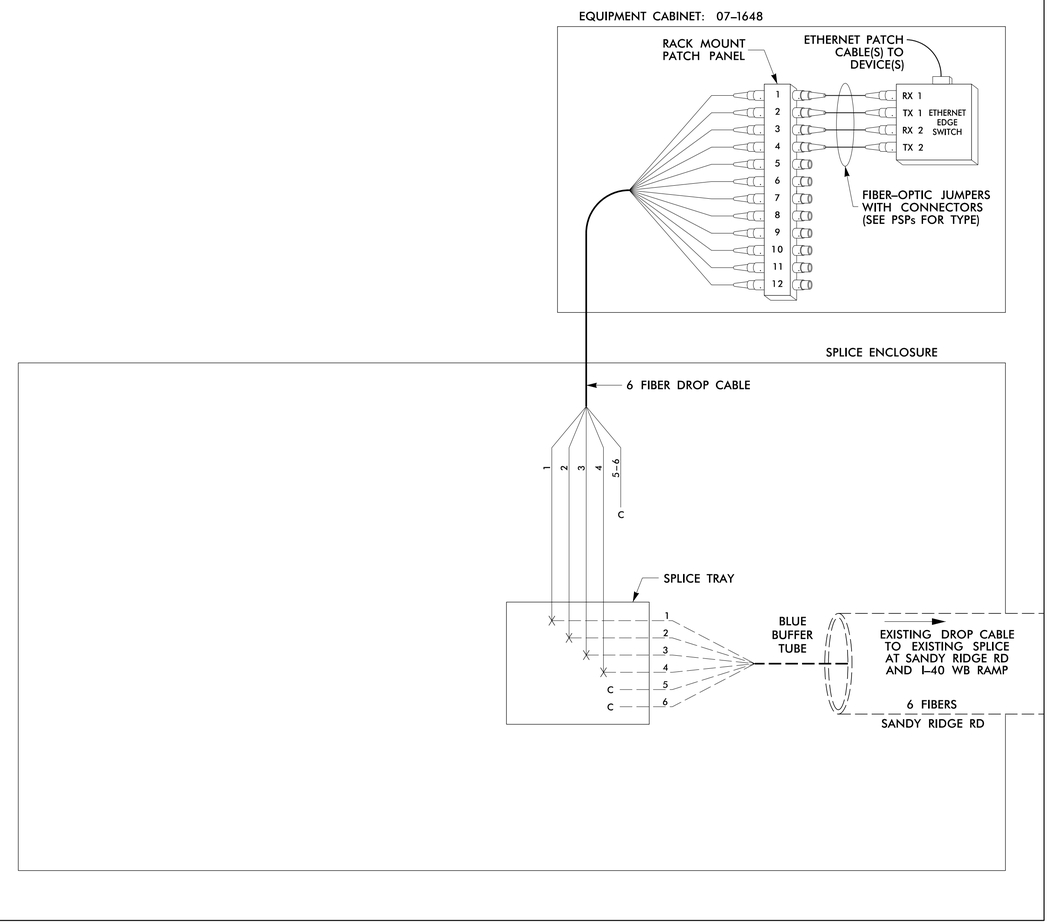
PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-28

SPLICE NO.

S–G1

SANDY RIDGE RD & I–40 EB RAMPS
SEE: SCP–21



NOTES:

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.

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Intelligent Transportation Systems Section
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 Greenfield Parkway, Garner, NC 27529

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
PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

REVISIONS	INIT.	DATE

NTS

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 056276 ENGINEER JAMES T. STIFF

Signed by: James Stiff
05480037672A434...
3/14/2025
DATE

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