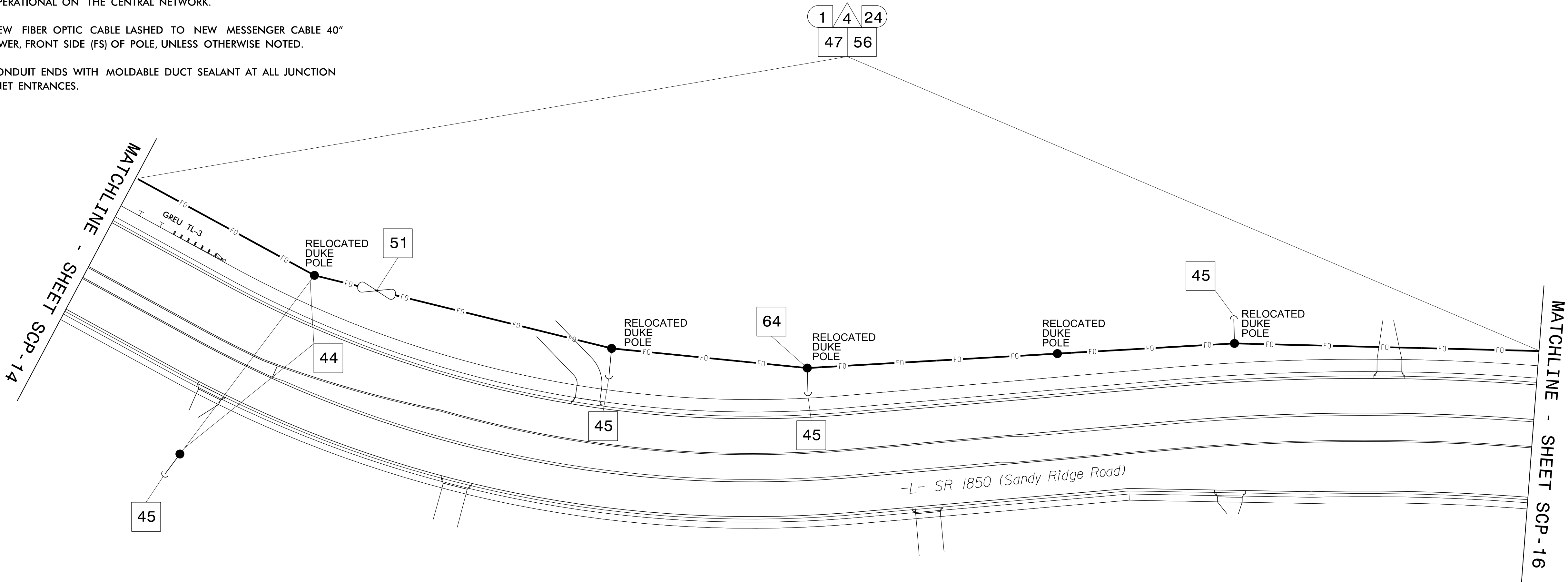


PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-15

NOTES:

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TO ARRANGE FOR THE CITY TO PROGRAM THE FIELD ETHERNET SWITCHES
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ALL WORK IS PERFORMED TO ENSURE THAT THE FIBER CIRCUITS ARE
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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		
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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		
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(919) 876-6888 NCBES #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

SCALE
NTS

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

James Stiff
0648037072A434
3/14/2025
DATE

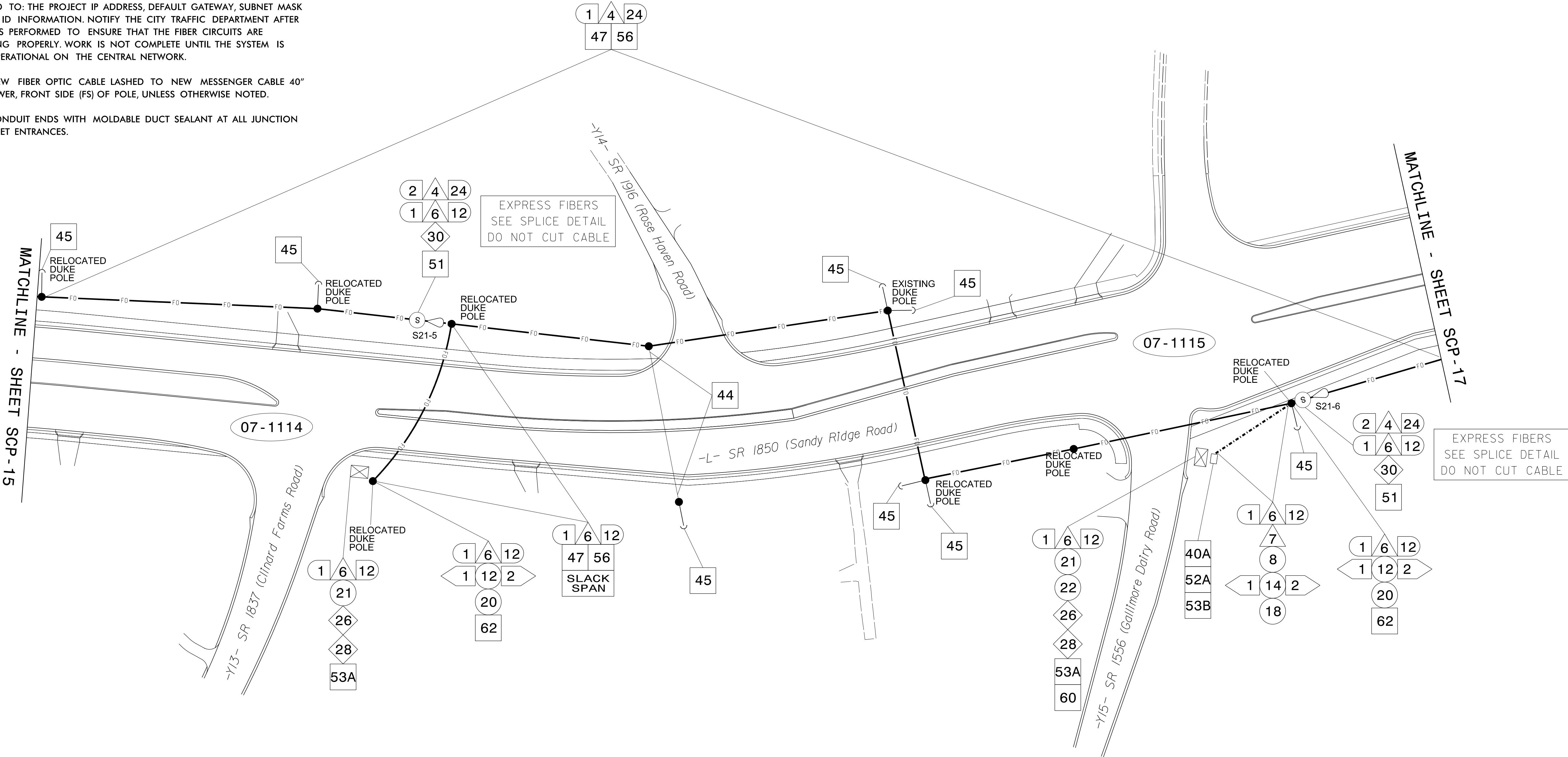
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SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
056276
ENGINEER
JAMES T. STIFF

PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-16

NOTES:

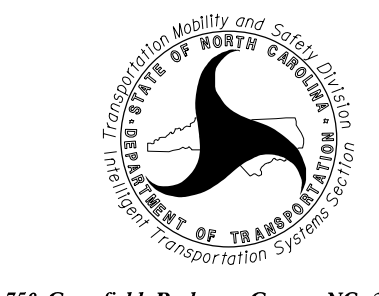
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TMP PHASE IV - Final Design

Prepared for the Offices of:



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

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
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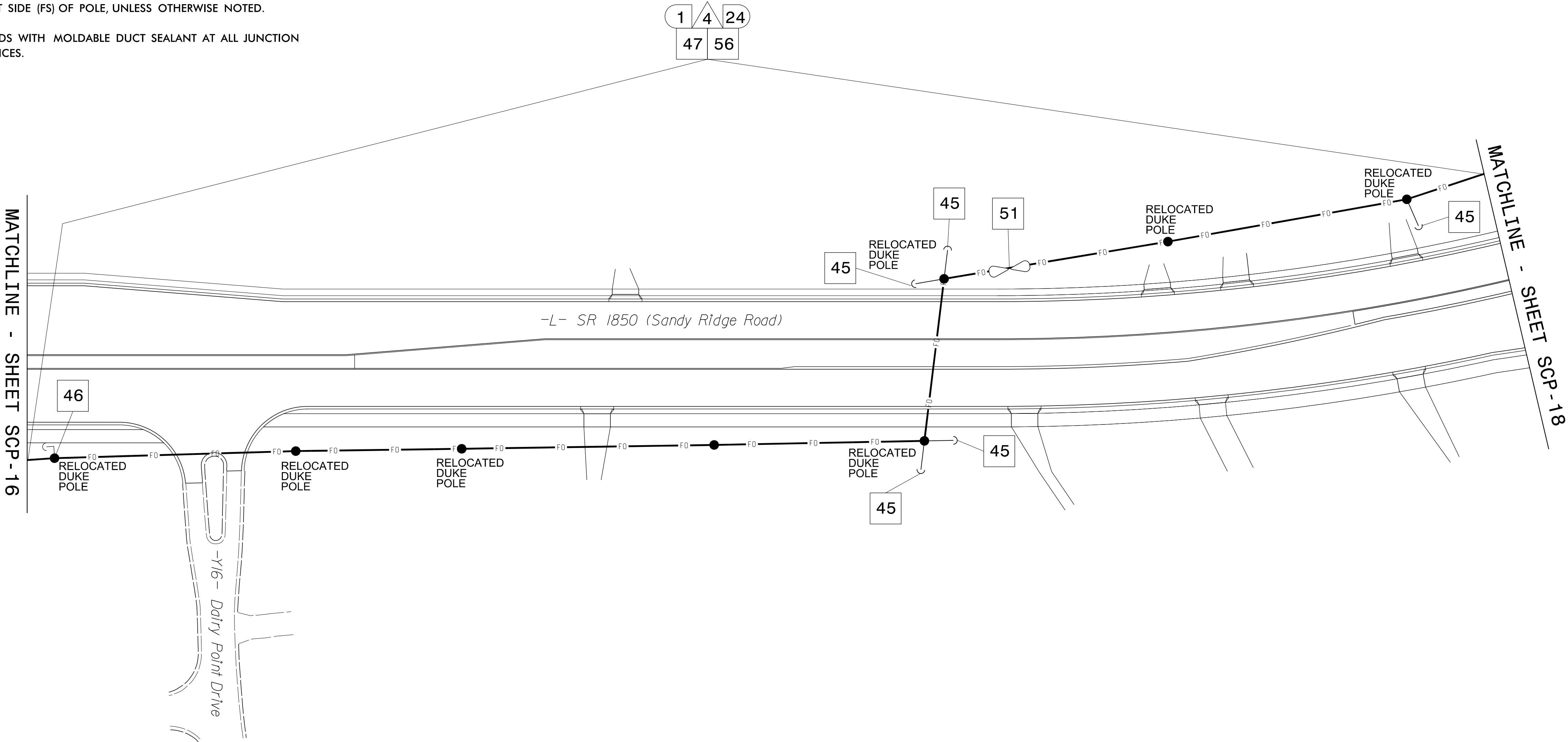
Signed by: *James T. Stiff*
0548037072A434
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CADD File name: U4758_SCP-16.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-17

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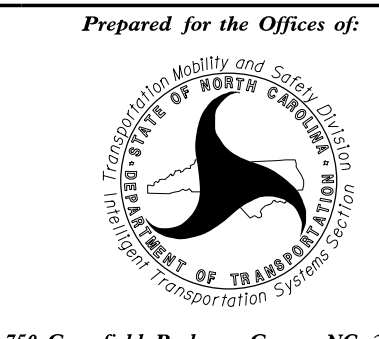
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750 Greenfield Parkway, Garner, NC 27529

SCALE
NTS

High Point Signal System
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Division 7 Guilford County High Point

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PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

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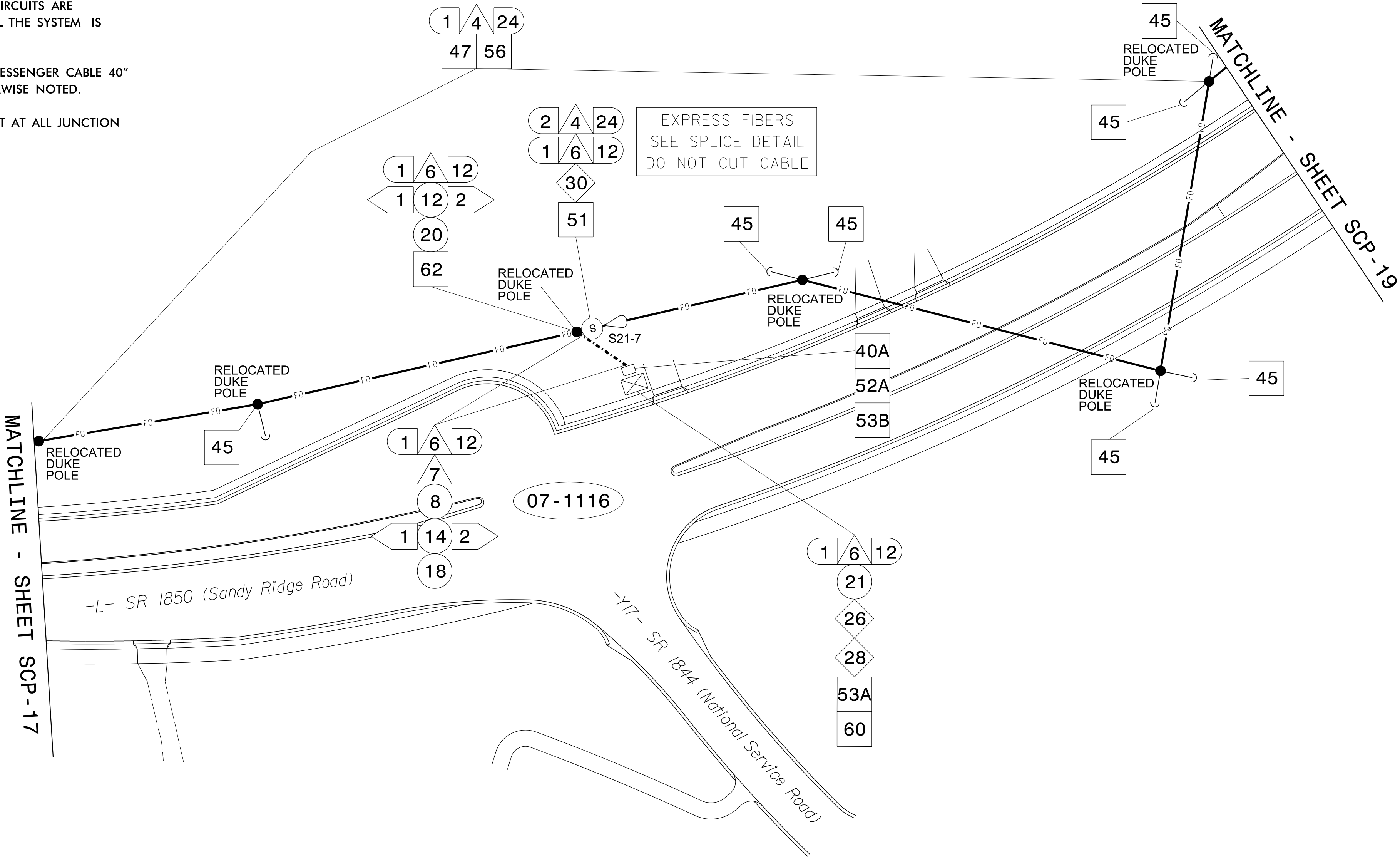
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PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-18

NOTES:

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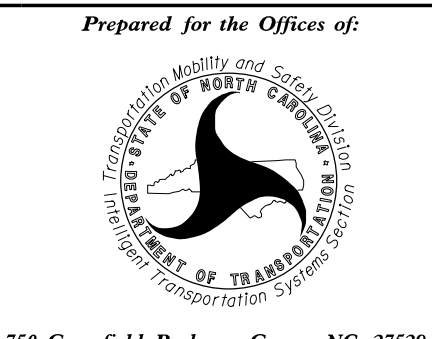


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SCALE

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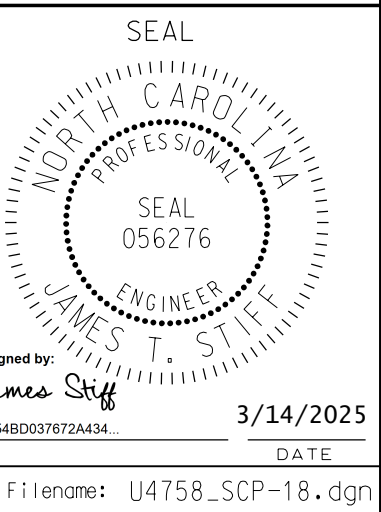
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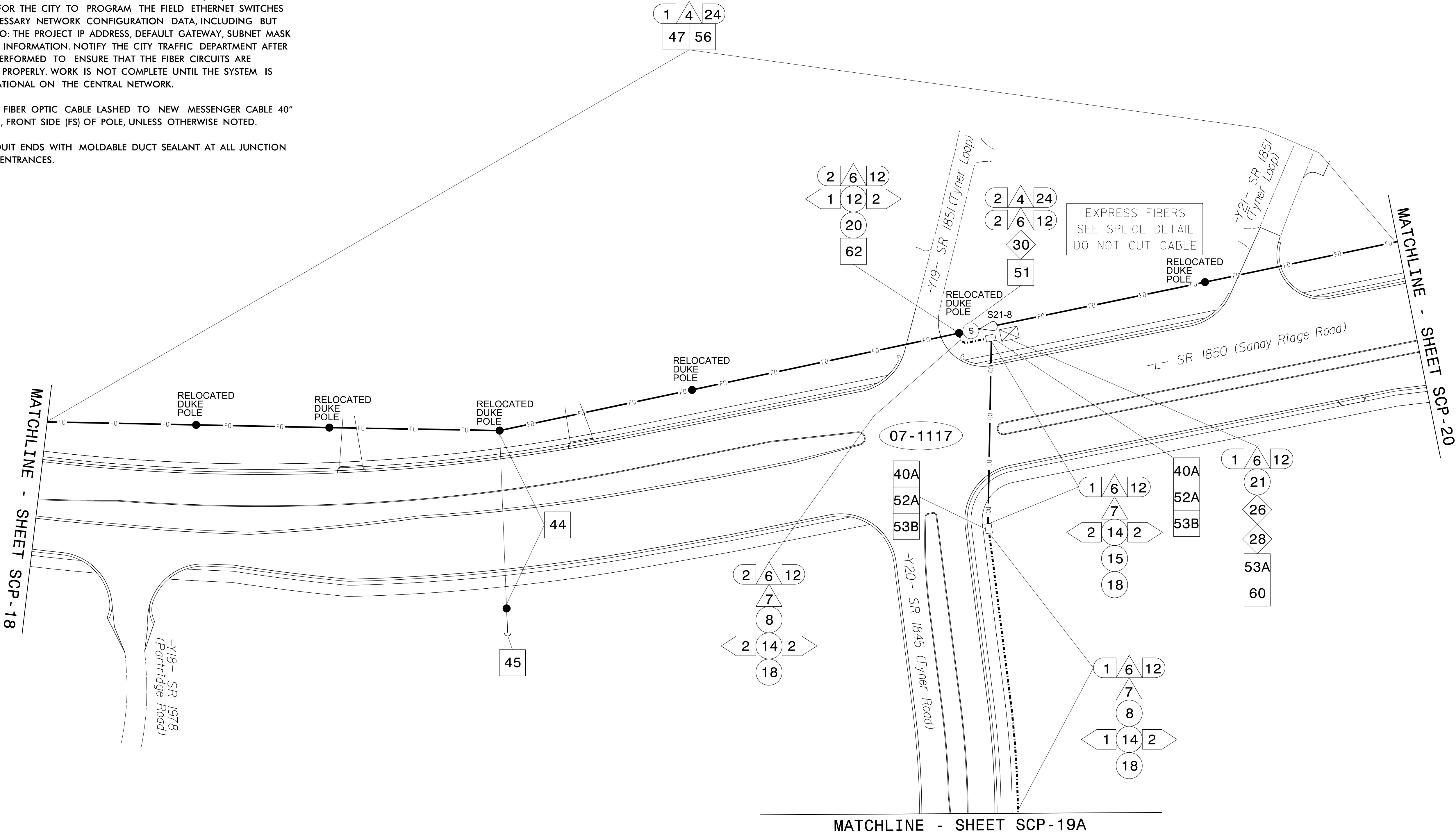
James T. Stiff
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PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-19

NOTES:


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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		
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 SUB-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		

TMP PHASE IV - Final Design

Prepared for the Offices of:



750 Greenfield Parkway, Garner, NC 27529

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

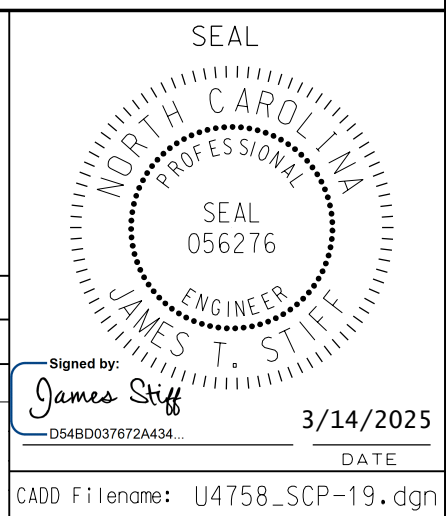
Division 7 Guilford County High Point

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

REVISIONS	INIT.	DATE

SCALE
NTS

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UNLESS ALL SIGNATURES COMPLETED



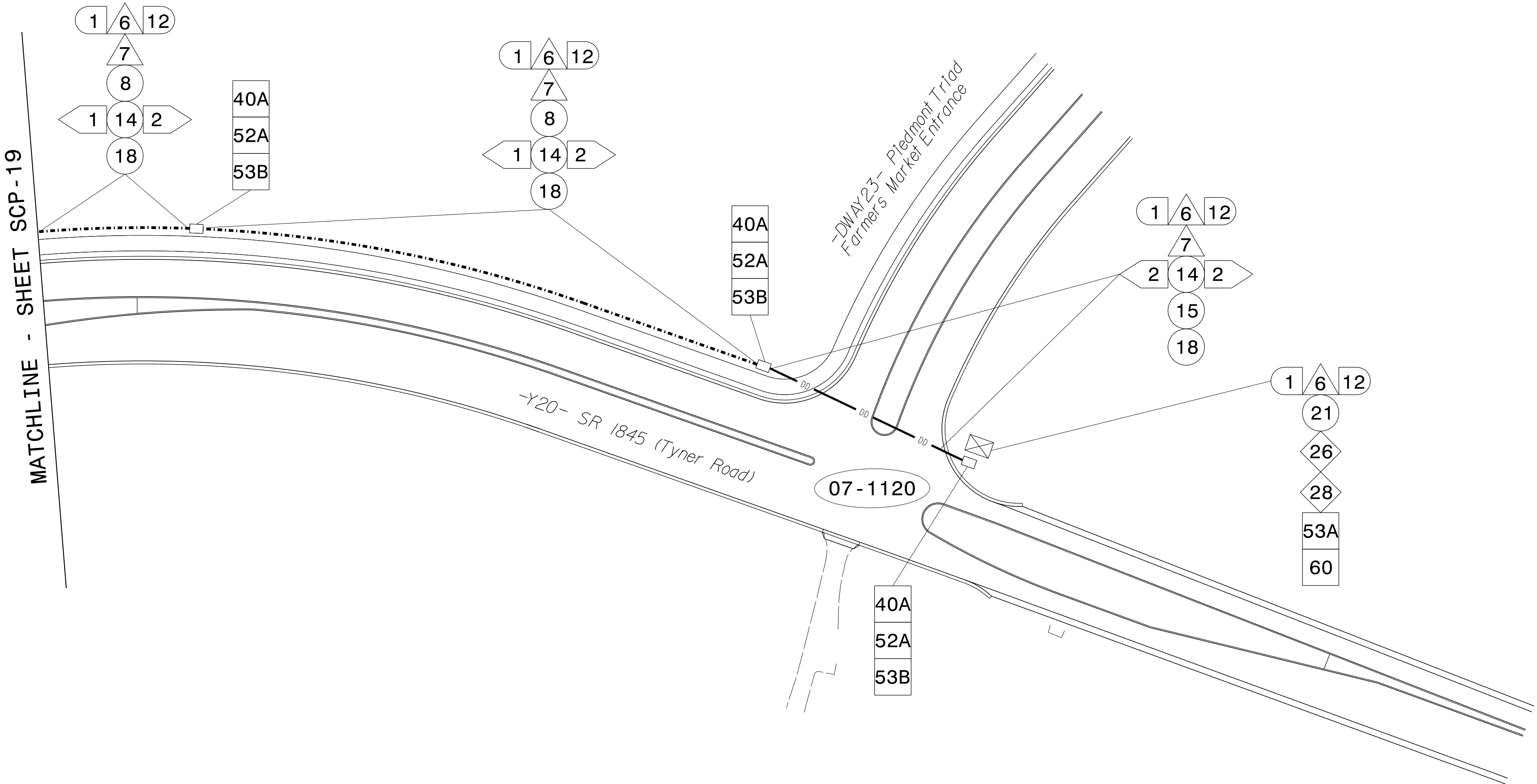
Signed by: *James Stiff*
0548037872A434
3/14/2025
DATE

CADD Filename: U4758_SCP-19.dgn


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 SUB-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 SUB-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
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								52A	INSTALL DELINEATOR MARKER	62	BOND RISER AND MESSENGER CABLE TO POLE GROUND		

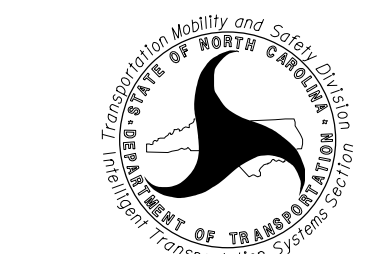


1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

TMP PHASE IV - Final Design

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UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:



750 Greenfield Parkway, Garner, NC 27529

SCALE

NTS

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

SEAL

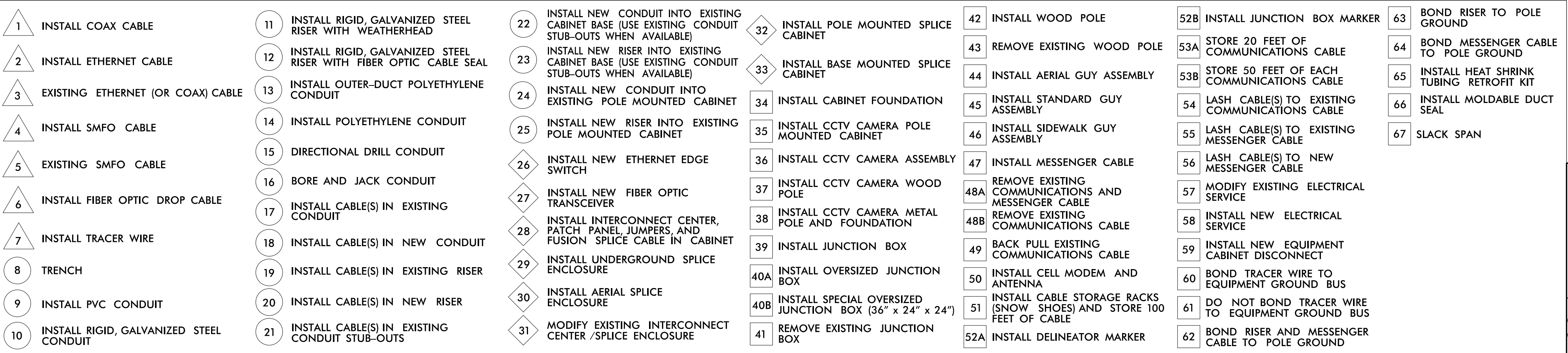


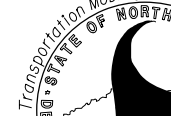
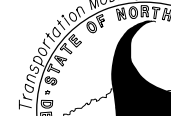

James T. Stiff
056276
3/14/2025

CADD Filename: U4758_SCP-19A.dgn

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.



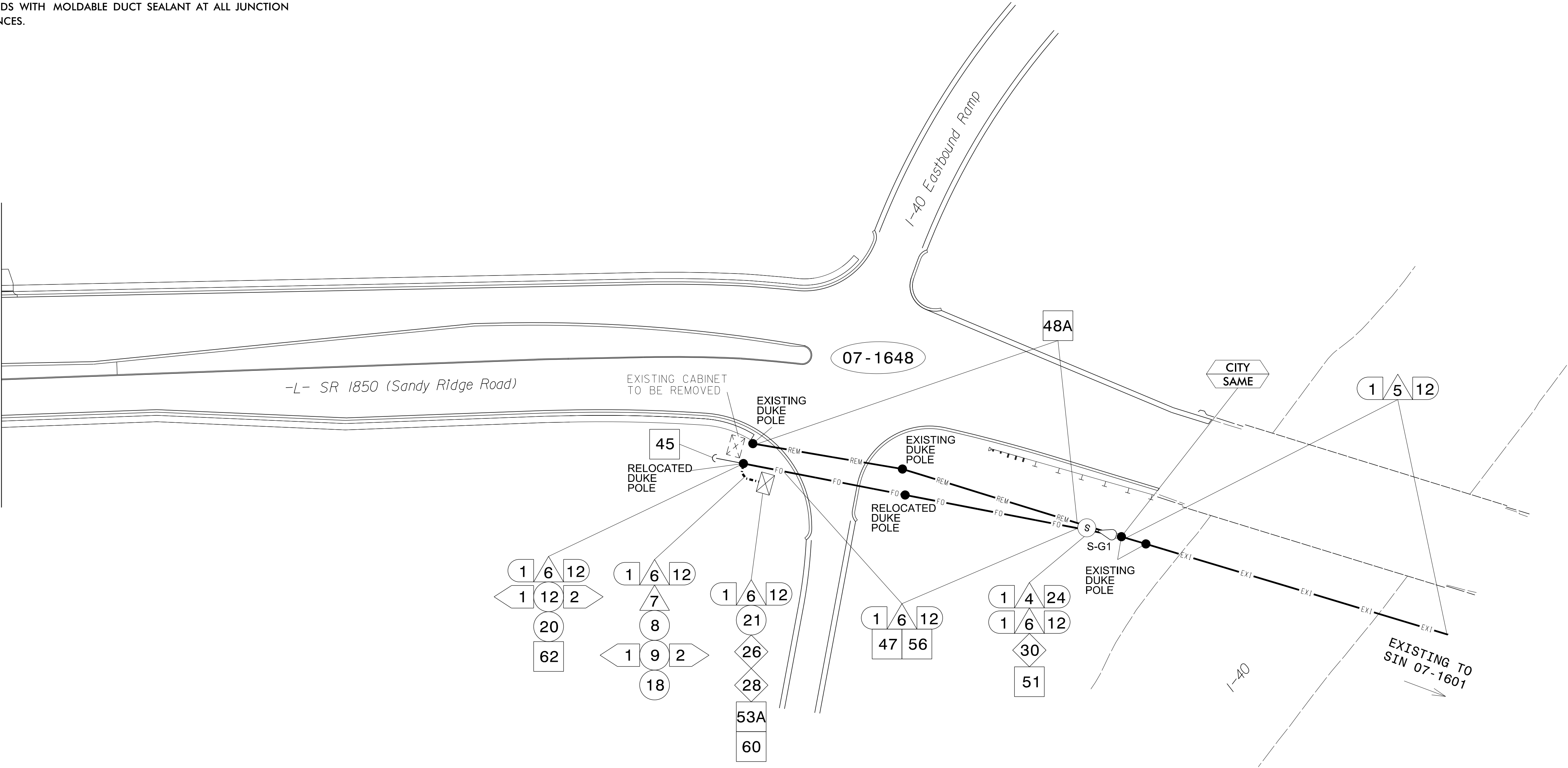
TMP PHASE IV - Final Design		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of:		<div>  <div> <div>High Point Signal System</div> <div>SR 1818 (Johnson Street)/</div> <div>SR 1850 (Sandy Ridge Road)</div> <div>Cable Routing Plans</div> </div> </div>	
<div>  <div> <div>Division 7</div> <div>Guilford County</div> <div>High Point</div> </div> </div>		<div>  <div> <div>SEAL</div> <div>NORTH CAROLINA</div> <div>PROFESSIONAL</div> <div>SEAL</div> <div>056276</div> <div>ENGINEER</div> <div>JAMES T. STIFF</div> </div> </div>	
<div> <div>PLAN DATE:</div> <div>February 2025</div> <div>REVIEWED BY:</div> <div>AM Encarnacion</div> </div>		<div> <div>PREPARED BY:</div> <div>JT Stiff</div> <div>REVIEWED BY:</div> <div>PL Alexander</div> </div>	
<div> <div>750 Greenfield Parkway, Garner, NC 27529</div> <div> <div>SCALE</div> <div>NTS</div> </div> </div>		<div> <div> <div>Signed by</div> <div>James Stiff</div> <div>D548D037872A434</div> </div> <div> <div>3/14/2025</div> <div>DATE</div> </div> </div>	
		<div> <div> <div>REVISIONS</div> <div>INIT.</div> <div>DATE</div> </div> <div> <div>CADD Filename: U4758_SCP-20.dwg</div> </div> </div>	

PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-21

NOTES:

- 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.
- ATTACH NEW FIBER OPTIC CABLE LASHED TO NEW MESSENGER CABLE 40" BELOW POWER, FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED.
- SEAL ALL CONDUIT ENDS WITH MOLDABLE DUCT SEALANT AT ALL JUNCTION BOX / CABINET ENTRANCES.

MATCHLINE - SHEET SCP-20



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		
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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		

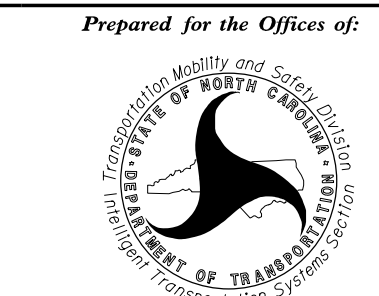


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(919) 876-6888 NCBEES #F-0326

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

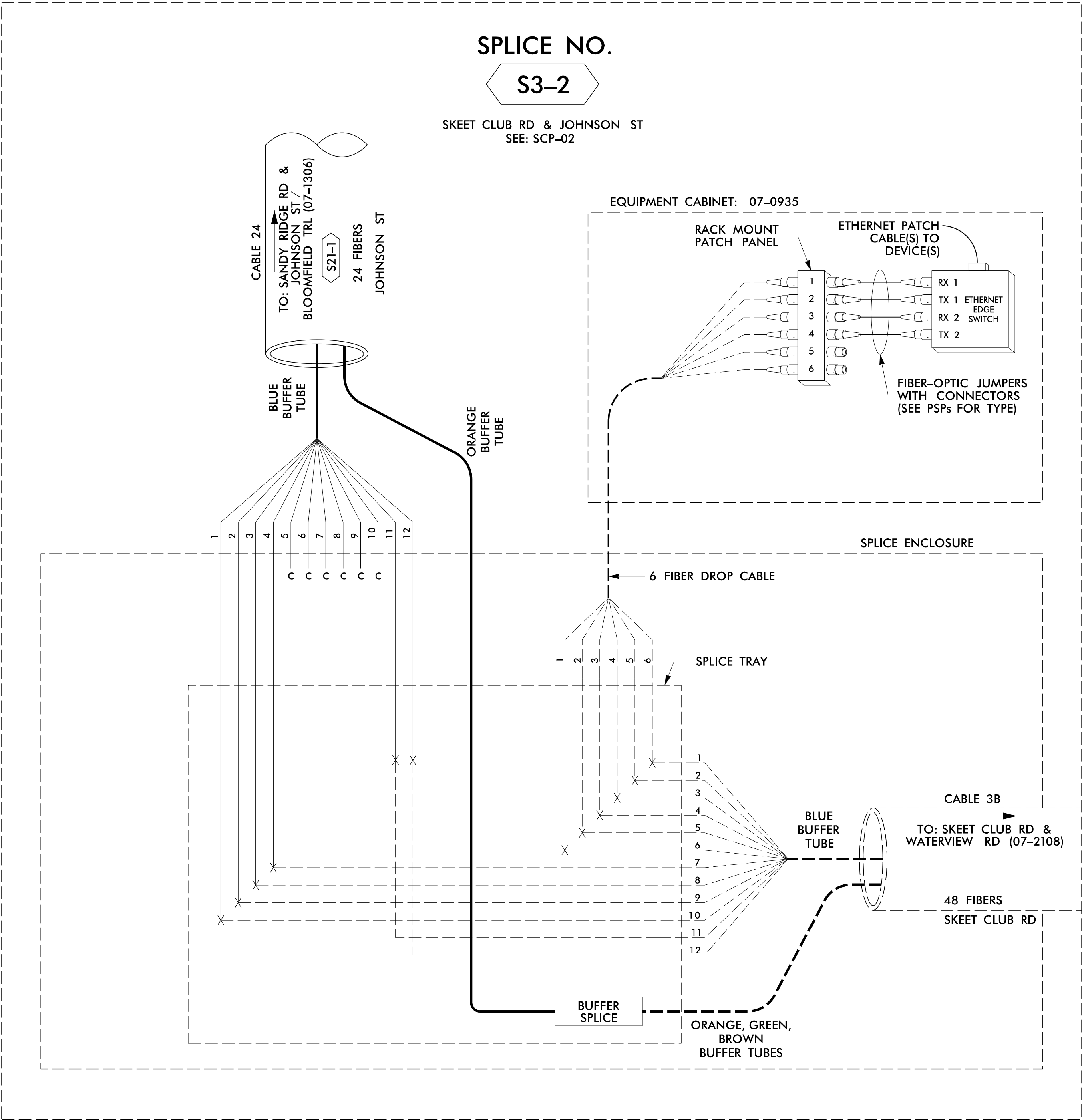
PLAN DATE: February 2025
PREPARED BY: JT Stiff
REVIEWED BY: AM Encarnacion
REVISIONS
INIT. DATE

SCALE
NTS

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
JAMES T. STIFF
056276
3/14/2025
DATE
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STIFF4685 AT LUS491089

PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-23



NOTES:

- 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.

LEGEND

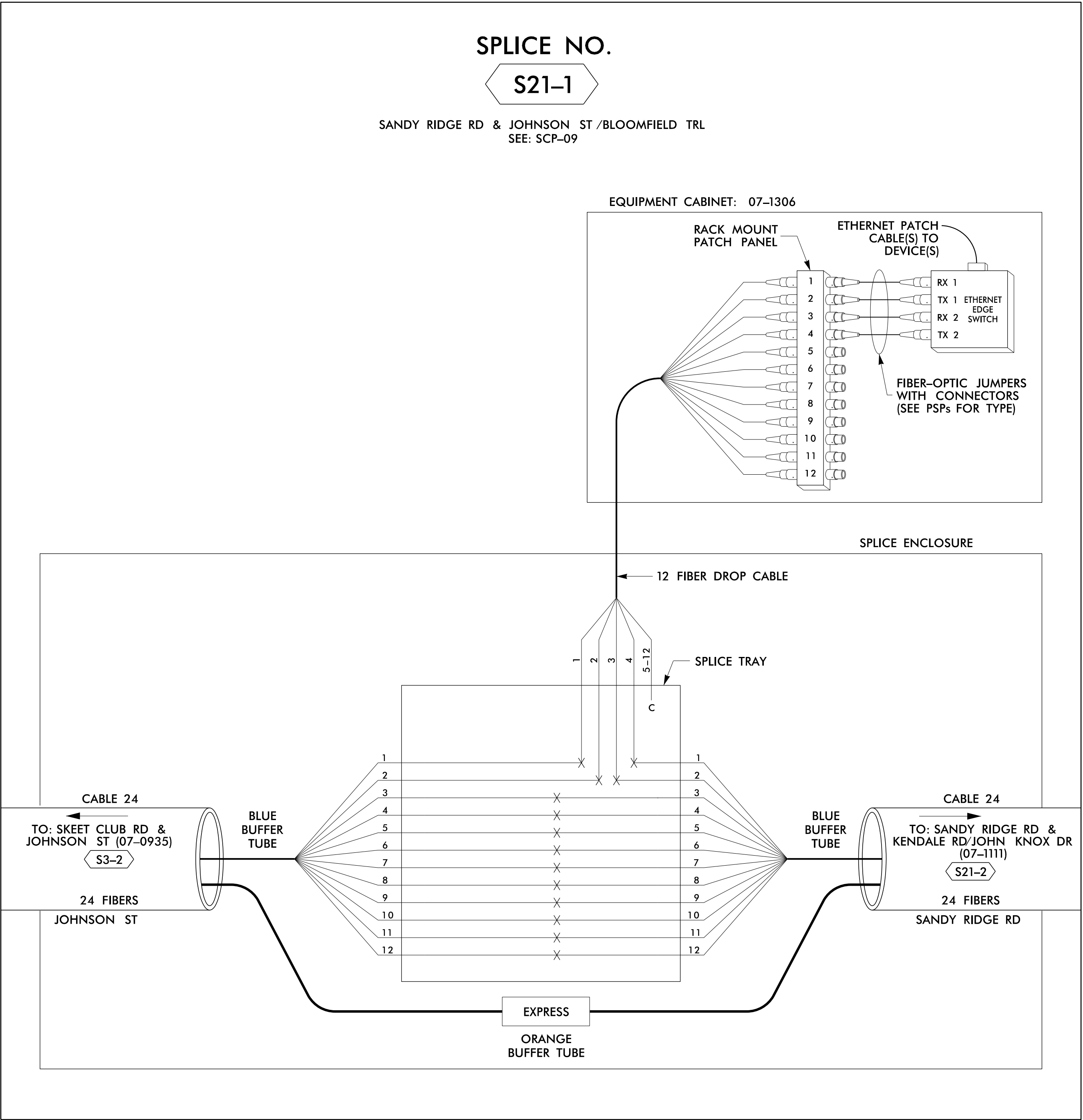
COLOR CODE TIA/EIA 598-B		
(1) BLUE	(7) RED	EXPRESS
(2) ORANGE	(8) BLACK	
(3) GREEN	(9) YELLOW	BUFFER SPLICE
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	EXISTING
(6) WHITE	(12) AQUA	

X = FUSION SPLICE INDIVIDUAL FIBER
C = CAP AND SEAL

EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING

SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

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

<p>Prepared for the Offices of:</p> <p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans Division 7 Guilford County High Point</p>	<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JAMES T. STIFF 056276</p>
	<p>PLAN DATE: February 2025 PREPARED BY: JT Stiff REVIEWED BY: AM Encarnacion REVIEWED BY: PL Alexander</p>	<p>INIT. DATE DATE</p>

NTS

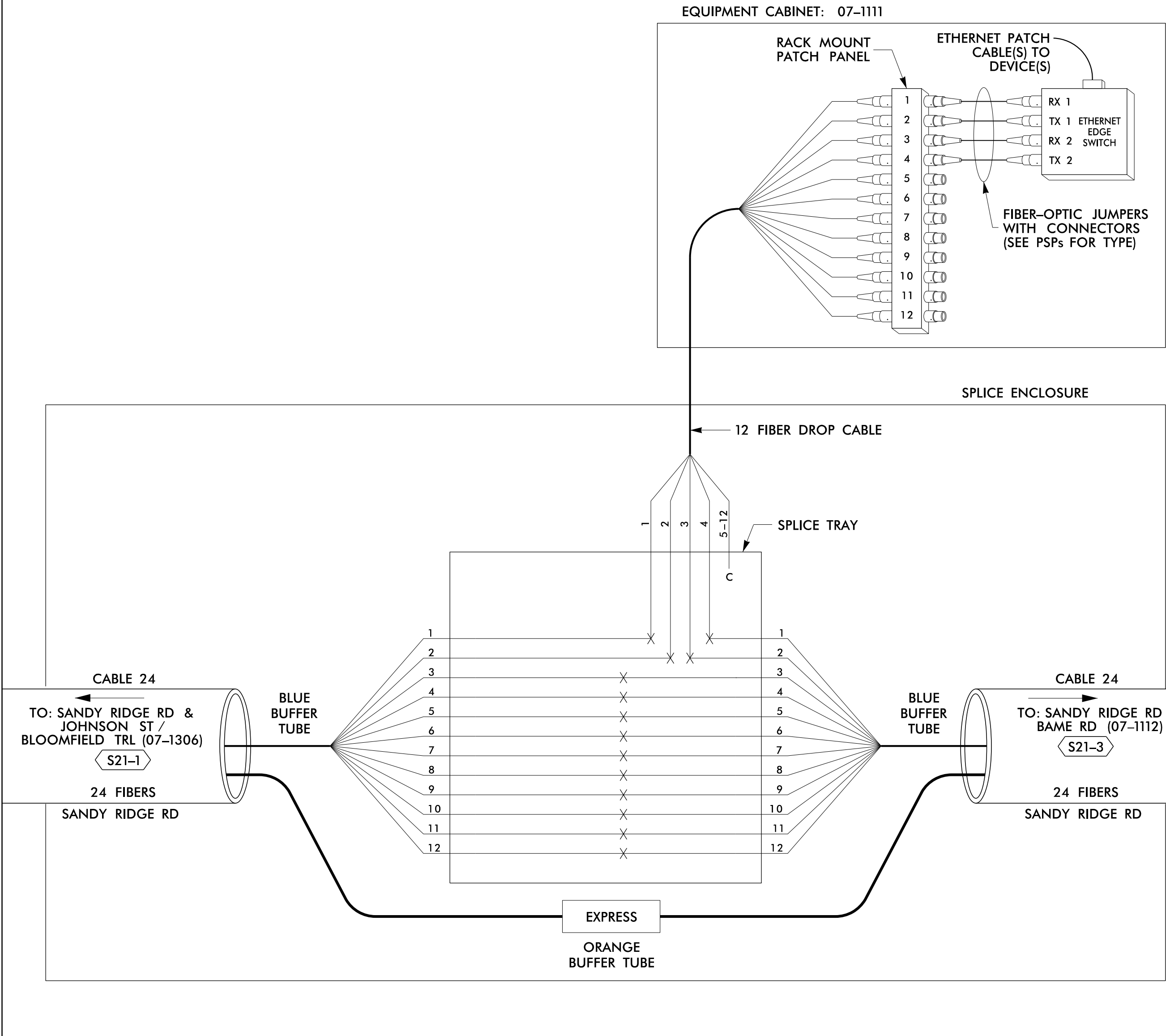
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PROJECT REFERENCE NO.	SHEET NO.
U-4758	SCP-24

SPLICE NO.

S21-2

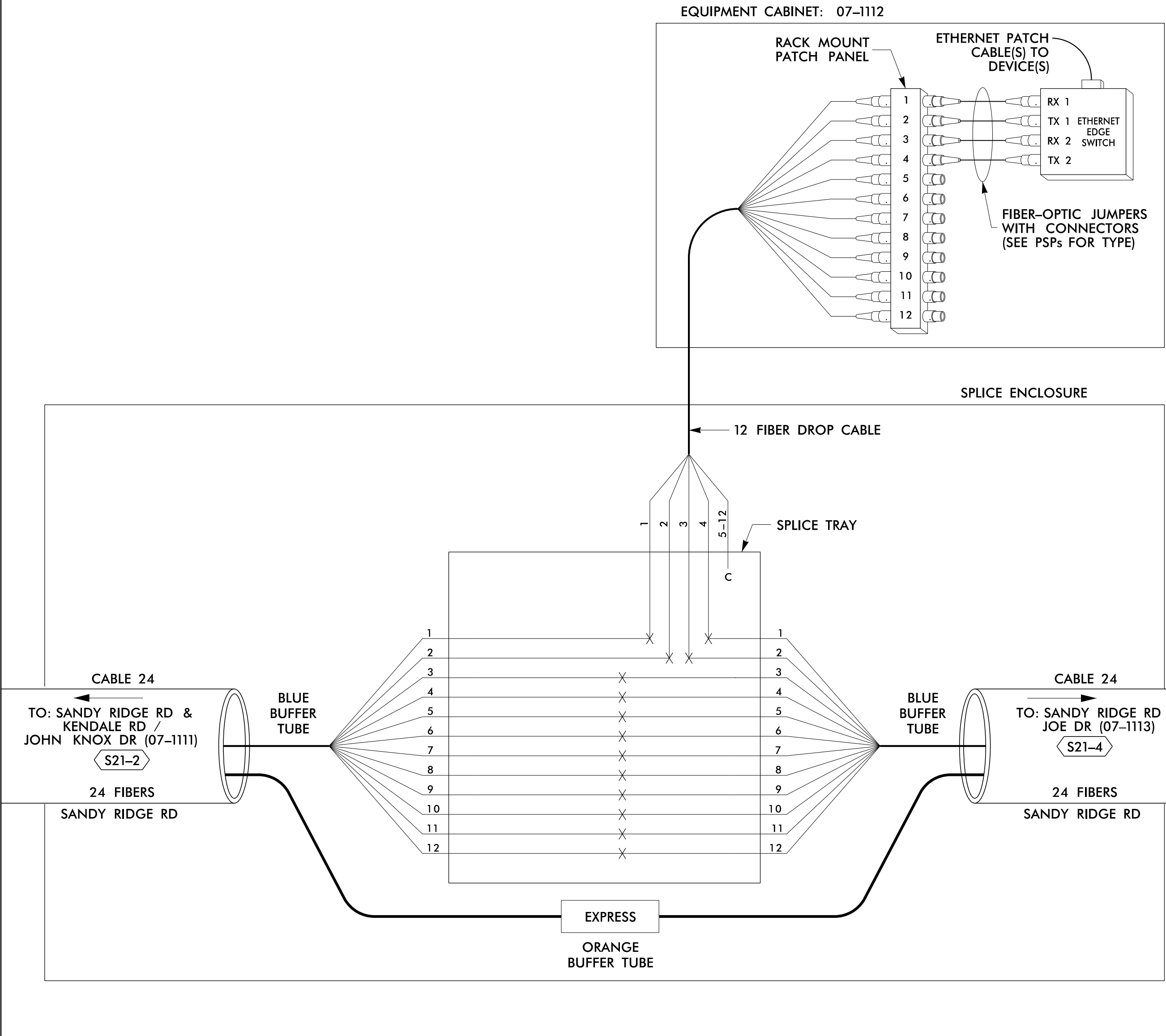
SANDY RIDGE RD & KENDALE RD /JOHN KNOX DR
SEE: SCP-10



SPLICE NO.

S21-3

SANDY RIDGE RD & BAME RD
SEE: SCP-13



NOTES:

- 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.
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LEGEND

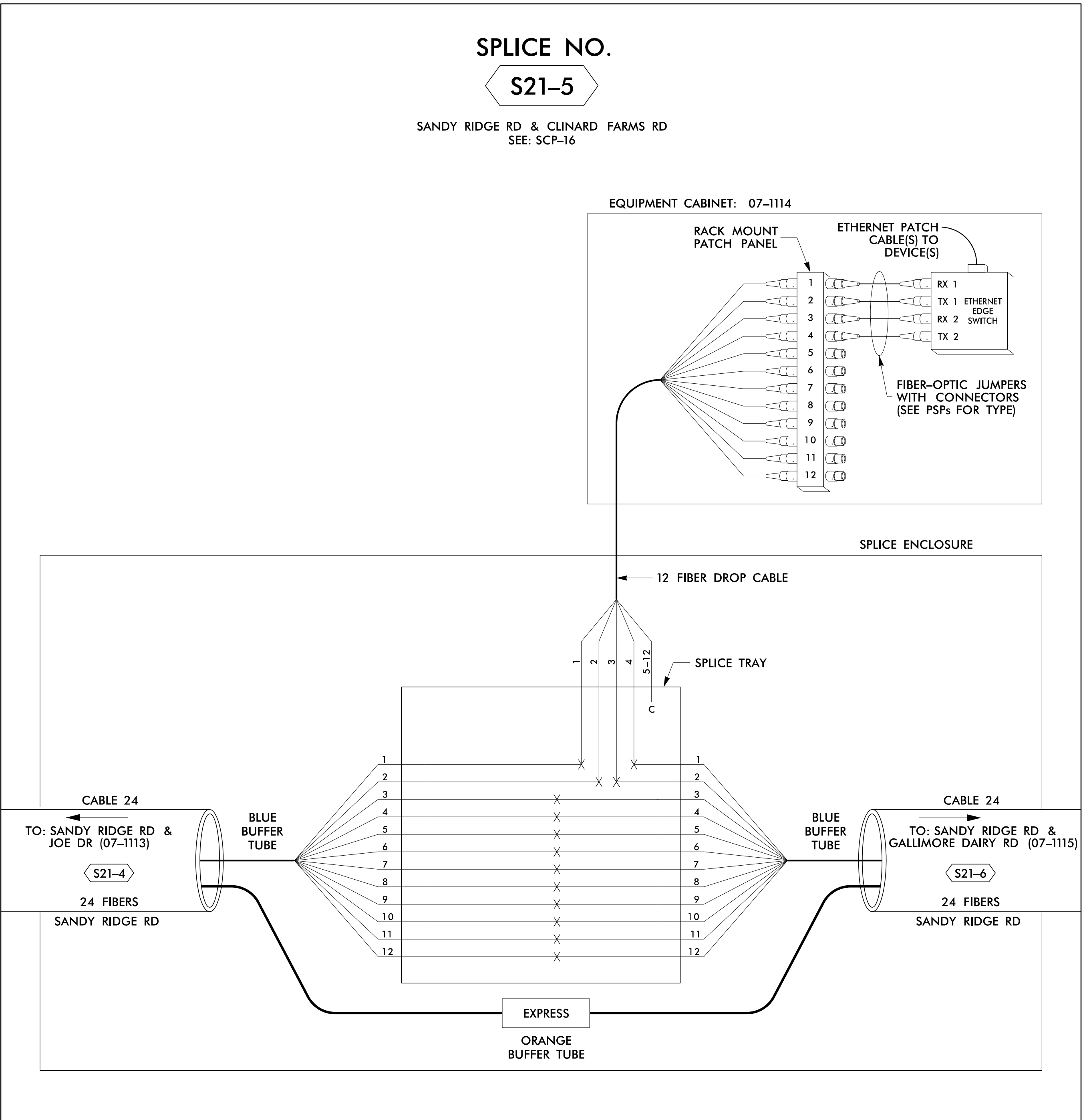
COLOR CODE			
TABLE 598-B			
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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(919) 876-6888 NCBEES #F-0326




TMP PHASE IV - Final Design

<p>Prepared for the Offices of:</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans</p> <p>Division 7 Guilford County High Point</p> <p>PLAN DATE: February 2025 PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: AM Encarnacion REVIEWED BY: PL Alexander</p> <p>INIT. DATE</p>	<p>SEAL</p> <p>NORTH CAROLINA PROFESSIONAL ENGINEER</p> <p>SEAL 056276</p> <p>James T. Stiff</p> <p>0548030702A434</p> <p>3/14/2025</p> <p>DATE</p> <p>CADD File name: U4758_SCP-24.dgn</p>
	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

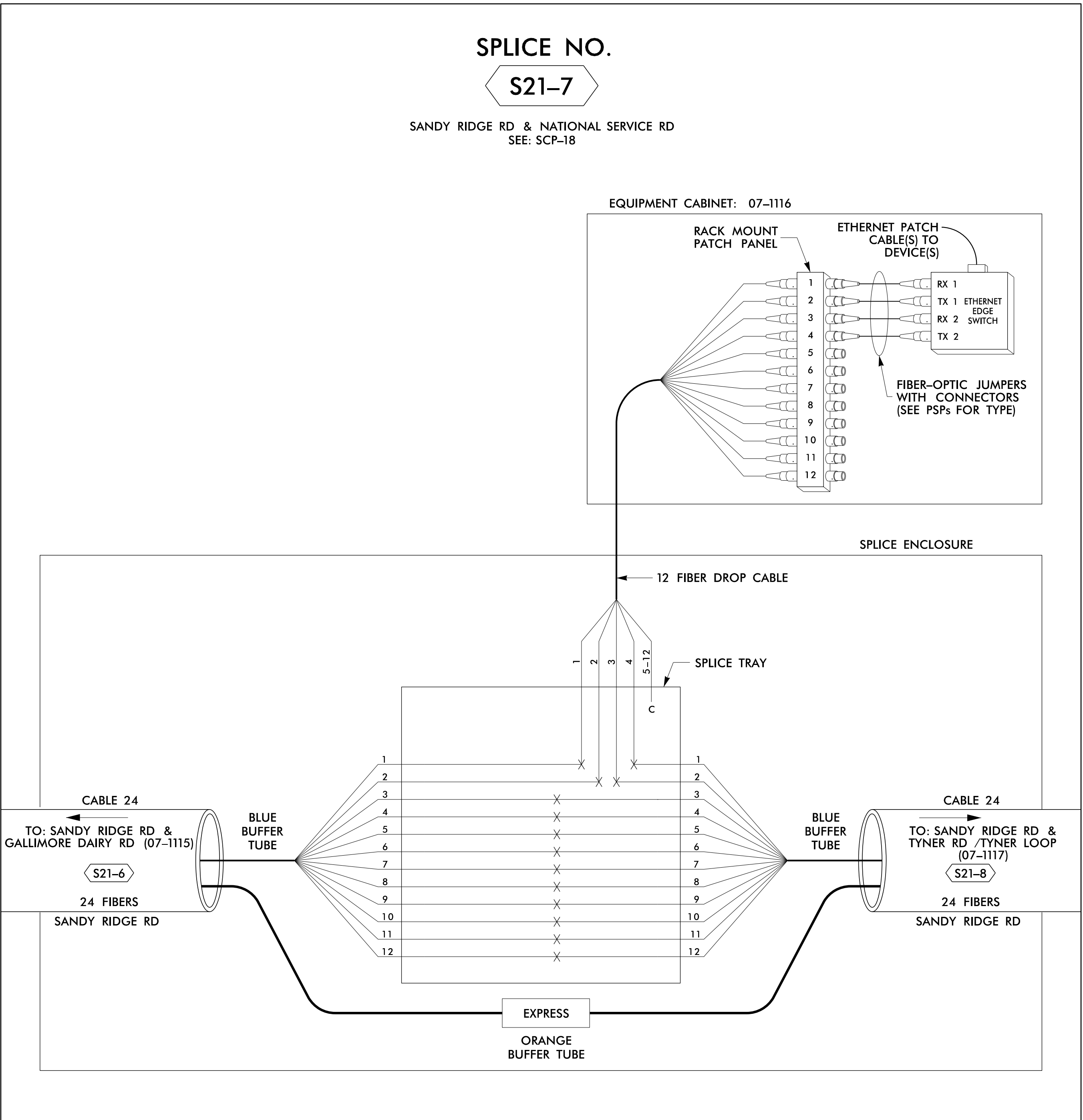
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- AtkinsRéalis**
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

<p><i>Prepared for the Offices of:</i></p> 	<h2 style="margin: 0;">High Point Signal System</h2> <p style="margin: 0;">SR 1818 (Johnson Street)/</p> <p style="margin: 0;">SR 1850 (Sandy Ridge Road)</p> <h3 style="margin: 0;">Cable Routing Plans</h3>	<p>SEAL</p> 
	<p>Division 7 Guilford County High Point</p>	
	<p>PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion</p>	
	<p>PREPARED BY: JT Stiff REVIEWED BY: PL Alexander</p>	
	<p>REVISIONS</p>	
<p style="font-size: 2em; font-weight: bold;">NTS</p>		
	<p>INIT. DATE</p>	
		<p><i>Signed by:</i>  0548D0037872A434 3/14/2025 DATE</p>
		<p>CADD Filename: U4758_SCP-25.dgn</p>

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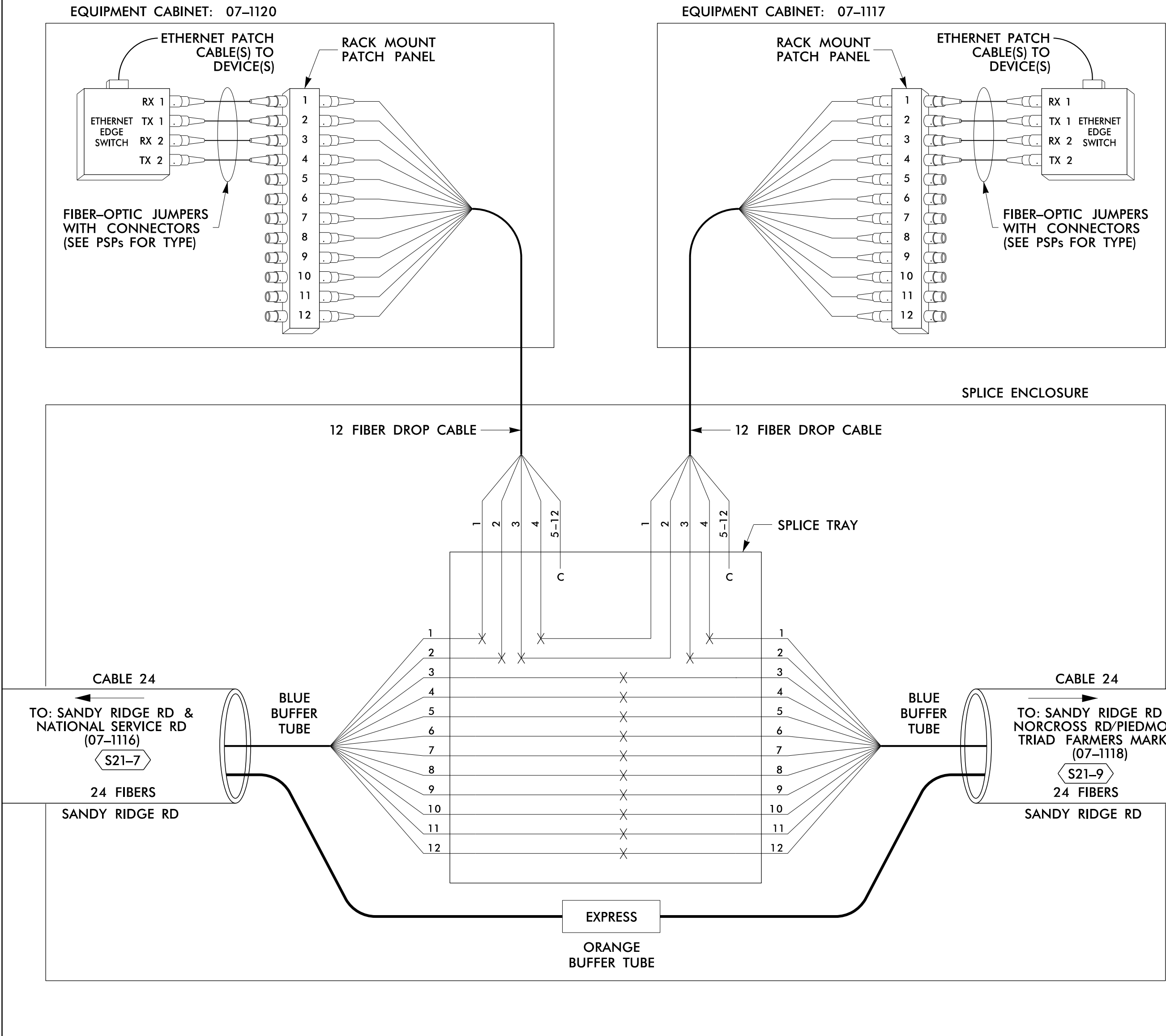
<p><i>Prepared for the Offices of:</i></p>  <p>Department of Transportation and Safety Division of Transportation Systems Section</p>	<h2 style="margin: 0;">High Point Signal System</h2> <p style="margin: 0;">SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road)</p> <h2 style="margin: 0;">Cable Routing Plans</h2>	<p>SEAL</p>  <p>SEAL 056276 ENGINEER JAMES T. STIFF</p>
<p>Division 7 Guilford County High Point</p>		
<p>PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion</p>		
<p>PREPARED BY: JT Stiff REVIEWED BY: PL Alexander</p>		
<p>REVISIONS</p>		<p>INIT. DATE</p>
<p>NTS</p>		<p>Signed by:  05480037827434 3/14/2025</p> <p>DATE</p>
<p>CADD Filename: U4758_SCP-26.dgn</p>		

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

SPLICE NO.

S21-8

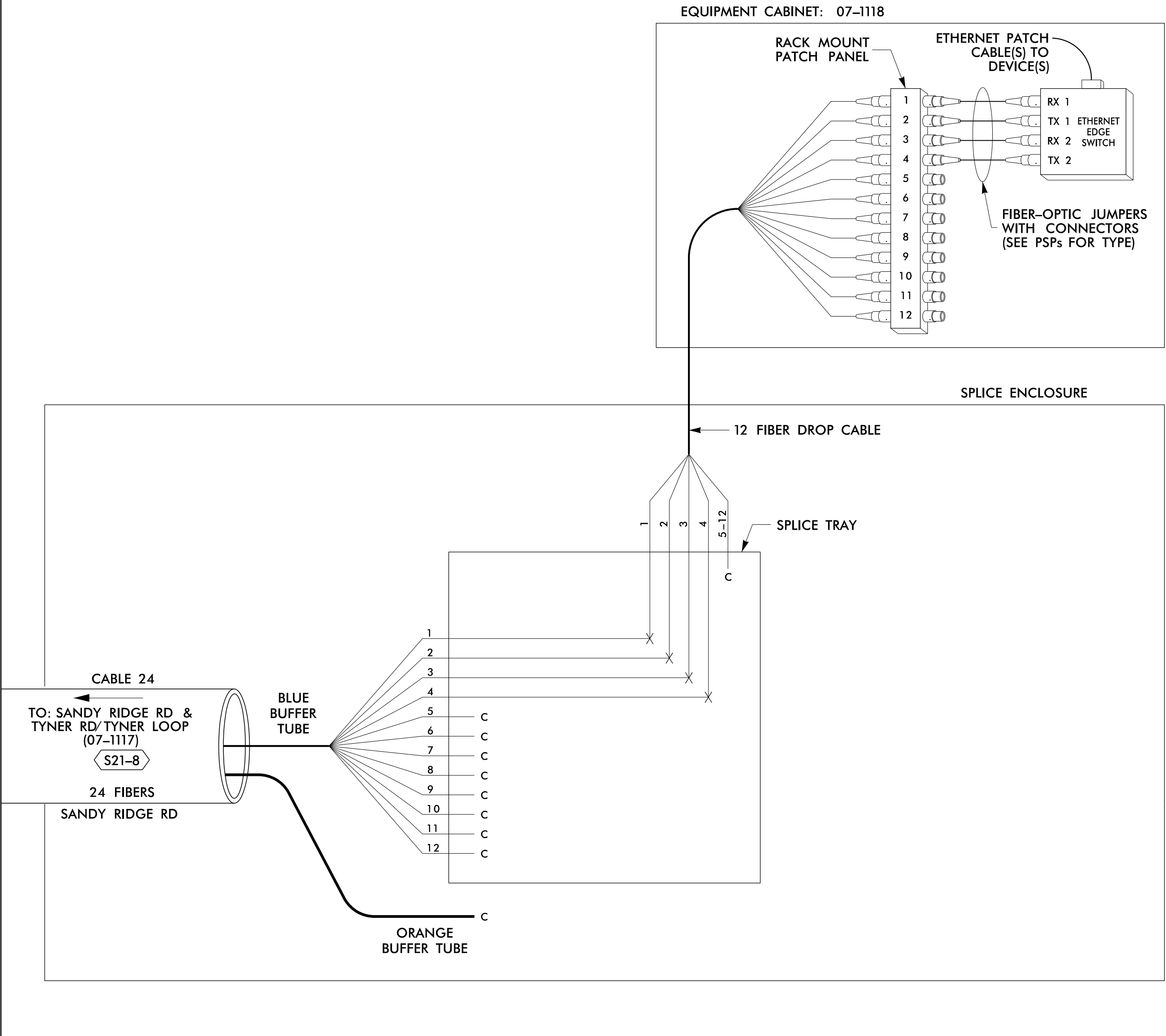
SANDY RIDGE RD. & TYNER RD /TYNER LOOP
SEE: SCP-19



SPLICE NO.

S21-9

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



NOTES:

- 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

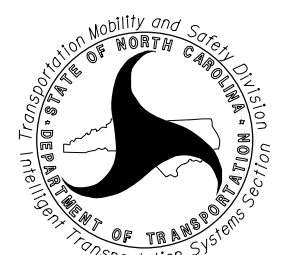
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY, TAKE A DIGITAL PHOTO SHOWING THE SPLICE TRAY INFORMATION SHOWN ABOVE (1-4) AND SUBMIT ALONG WITH OTDR TEST RESULTS.

LEGEND

COLOR CODE	TABLE 598-B		
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE /FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

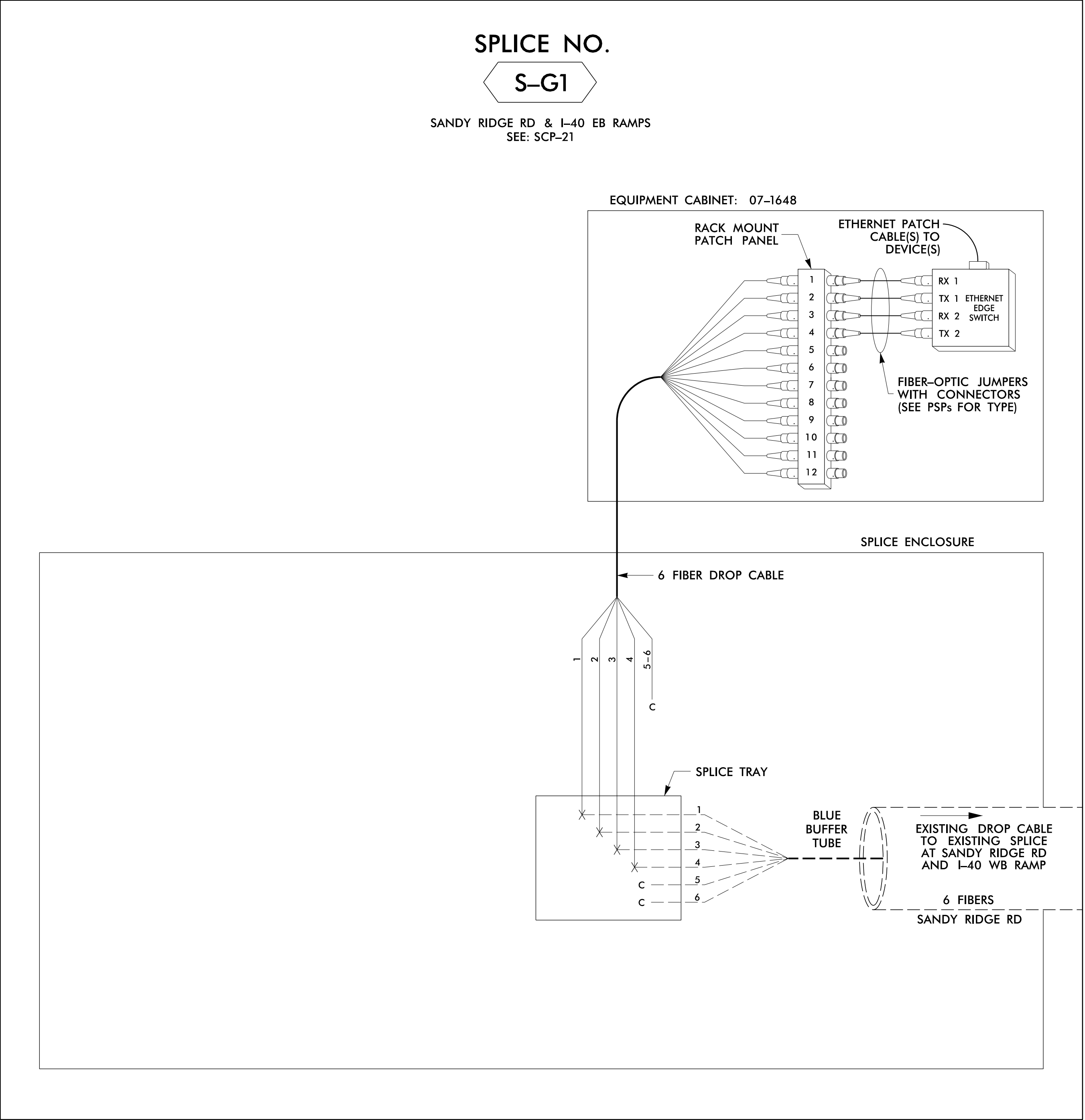
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(919) 876-6888 NCBEES #F-0326

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<p>Prepared for the Offices of:</p>  <p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>High Point Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Cable Routing Plans</p> <p>Division 7 Guilford County High Point</p> <p>PLAN DATE: February 2025 REVIEWED BY: AM Encarnacion</p> <p>PREPARED BY: JT Stiff REVIEWED BY: PL Alexander</p>	<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JAMES T. STIFF 056276</p> <p>Signed by: <i>James Stiff</i> 05480337072A434 3/14/2025 DATE</p> <p>CADD File name: U4758_SCP-27.dgn</p>
	<p>REVISIONS</p> <p>INIT. DATE</p>	

NTS

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



NOTES:

- 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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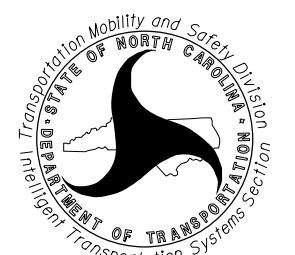

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Greensboro Signal System SR 1818 (Johnson Street)/ SR 1850 (Sandy Ridge Road) Splicing Details Division 7 Guilford County Greensboro	
PLAN DATE: February 2025	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: PL Alexander
REVISIONS	INIT. DATE
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