

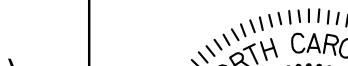


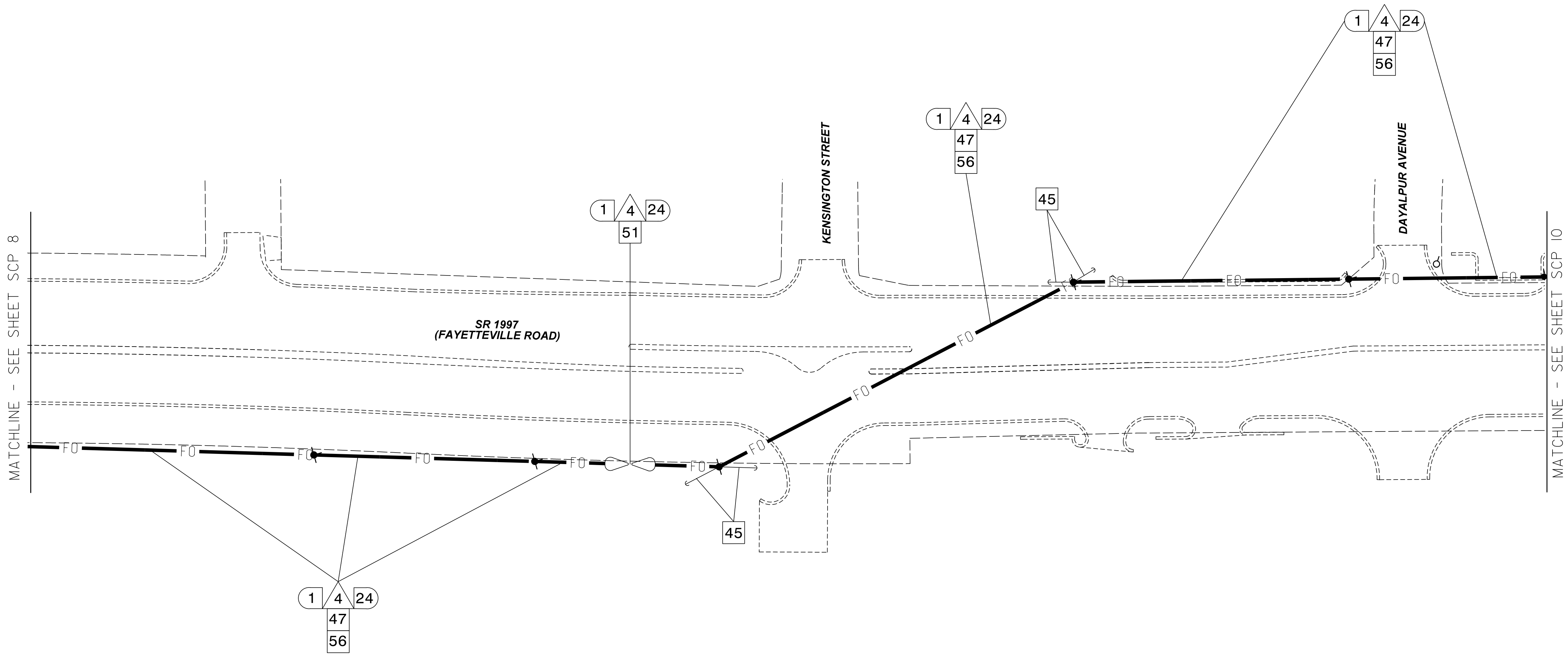


1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 06 TRAFFIC ENGINEER AT (910) 364-0606 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK, AND VLAN ID INFORMATION. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
2. ATTACH AND LASH NEW 24-FIBER CABLE 40" BELOW POWER.
3. ONCE NEW 24-FIBER CABLE HAS BEEN INSTALLED AND OPERATIONAL, PROVIDE A FINAL COMMUNICATION TEST RUN TO ENSURE CONFORMITY PRIOR TO DIVISION 06 TRAFFIC SERVICES APPROVAL. REMOVE AND RETURN TEMPORARY WIRELESS COMMUNICATIONS EQUIPMENT INCLUDING YAGI ANTENNA AND DELIVER TO DIVISION 06 TRAFFIC SERVICES.

 <b>STV Engineers, Inc.</b> 900 West Trade St., Suite 715 Charlotte, NC 28202 (704) 372-1885 NC License Number F-0991		Prepared For the Offices of:				
		<b>CABLE ROUTING PLANS</b> <b>SR 1997 (Fayetteville Road)</b> <b>Signal System #D06-18 Lumberton</b>				
		Division 6      Robeson County      Lumberton				
		PLAN DATE:      Feb 2025	REVIEWED BY:      H.M. Surti			
		PREPARED BY:      R.L. Aristondo		REVIEWED BY:      T.M. Moody		
		REVISIONS		INIT.	DATE	
		SCALE 				

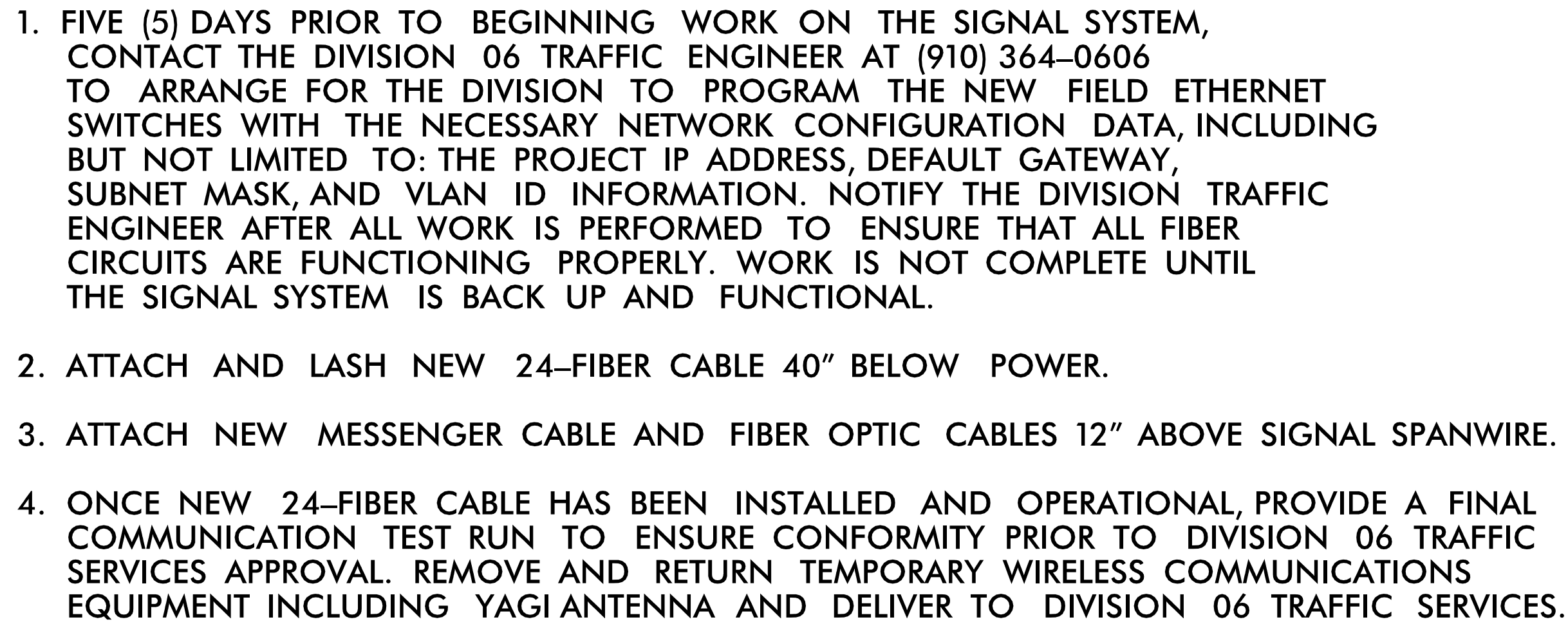


NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 06 TRAFFIC ENGINEER AT (910) 364-0606 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW 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 DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
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 <b>STV Engineers, Inc.</b> 900 West Trade St., Suite 715 Charlotte, NC 28202 (704) 372-1885 NC License Number F-0991	 Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	<b>CABLE ROUTING PLANS</b> SR 1997 (Fayetteville Road) Signal System #D06-18 Lumberton		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER TRENT M. MOODY 45EA104836704ED 3/19/2025 SIGNATURE: T.M. MOODY DATE: 3/19/2025 CADD FILE NAME: U-5797_SCP_09	
		Division 6	Robeson County		Lumberton
		PLAN DATE: Feb 2025	REVIEWED BY: H.M. Surti		
		PREPARED BY: R.L. Aristondo	REVIEWED BY: T.M. Moody		
REVISIONS		INIT.	DATE		





st<sup>®</sup>v

STV Engineers, Inc.

900 West Trade St., Suite 715

Charlotte, NC 28202

(704) 372-1885

NC License Number F-0991

Seal of the State of North Carolina  
Department of Transportation  
Professional Engineer  
Seal  
040329  
ENGINEER  
TRENT T. MOODY

DocuSign  
Trent Moody  
45E6A1D4838704060

3/19/2025

SIGNATUREDATE

CADD FILE NAME: U-5797\_SCP\_1

Prepared for the Offices of:

Seal of the State of North Carolina  
Department of Transportation  
Professional Engineer  
Seal  
040329  
ENGINEER  
TRENT T. MOODY

DocuSign  
Trent Moody  
45E6A1D4838704060

3/19/2025

SIGNATUREDATE

CADD FILE NAME: U-5797\_SCP\_1

CABLE ROUTING PLANS

SR 1997 (Fayetteville Road)

Signal System #D06-18 Lumberton

Division 6Robeson CountyLumberton

PLAN DATE:Feb 2025REVIEWED BY:H.M. Surti

PREPARED BY:R.L. AristondoREVIEWED BY:T.M. Moody

REVISIONS

INIT. DATE

0

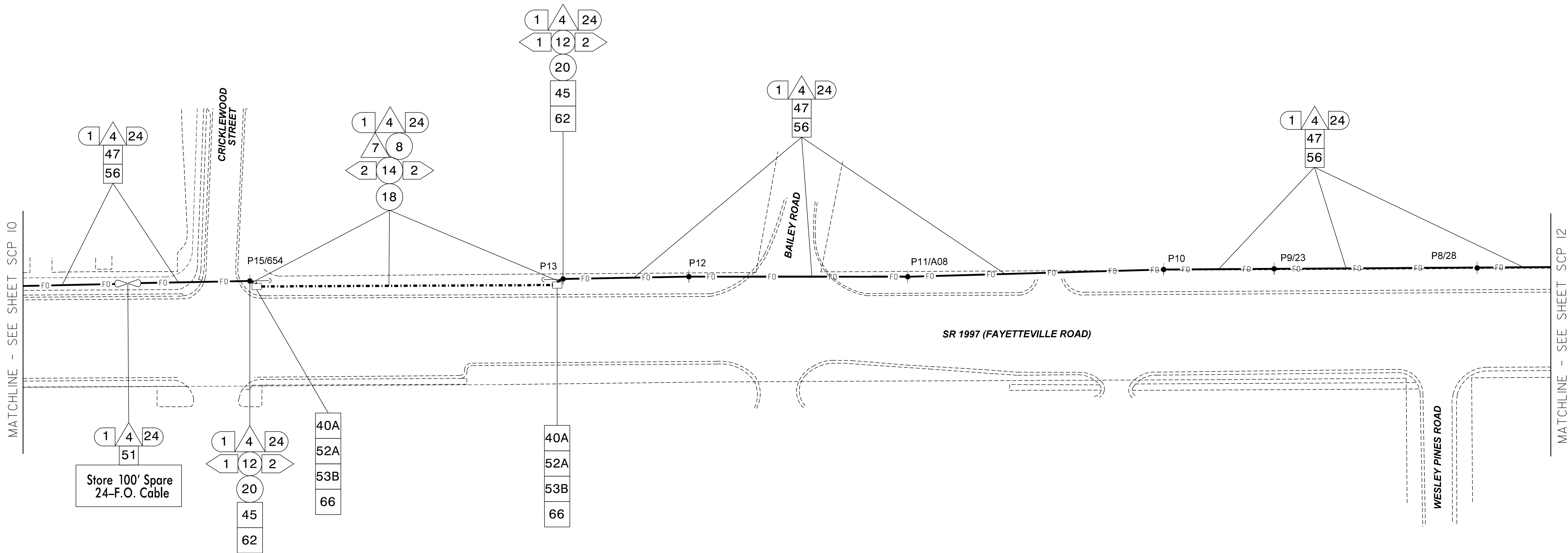
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SCALE

1"=50'

N

750 N.Greenfield Pkwy, Garner, NC 27529



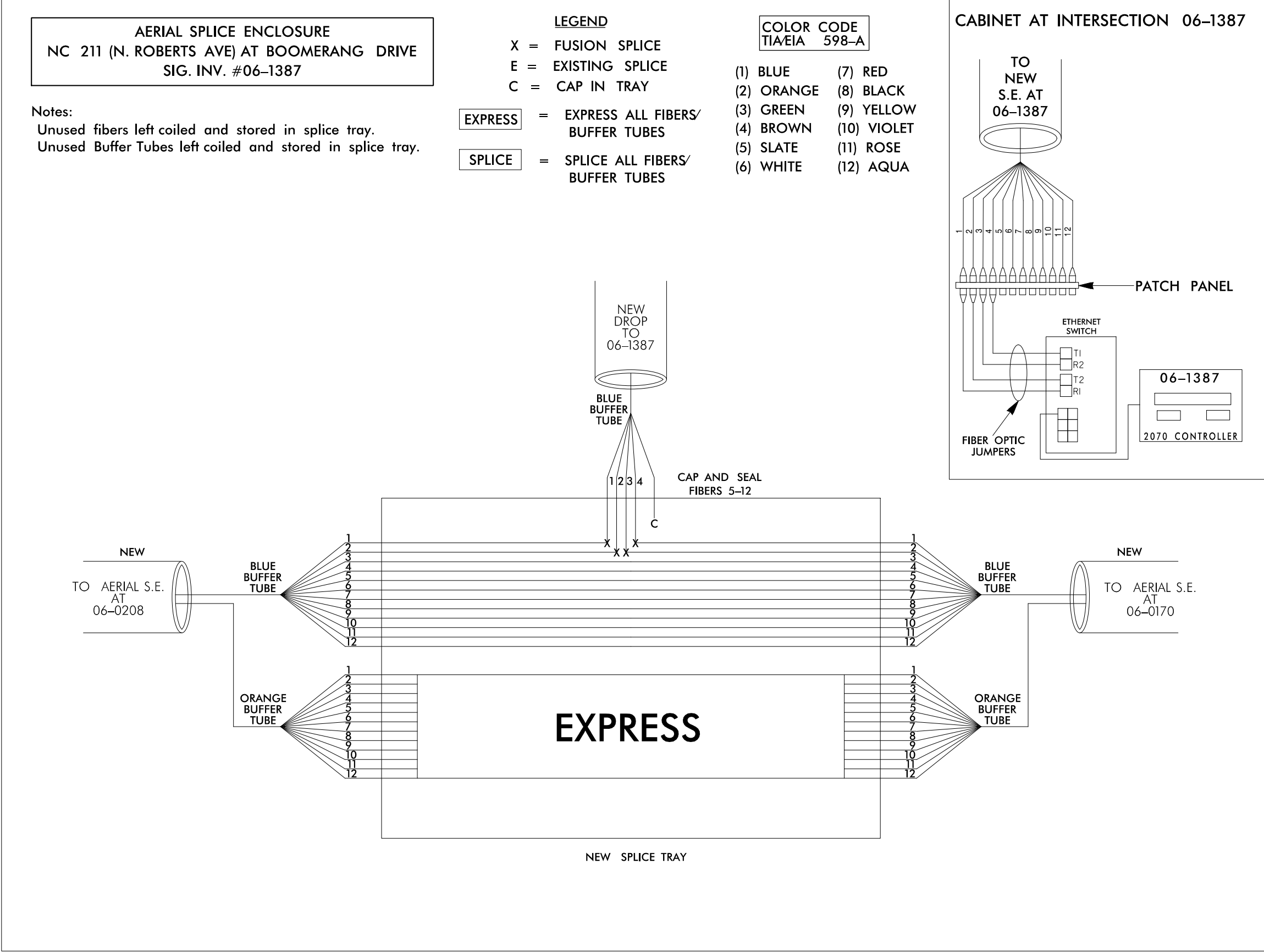
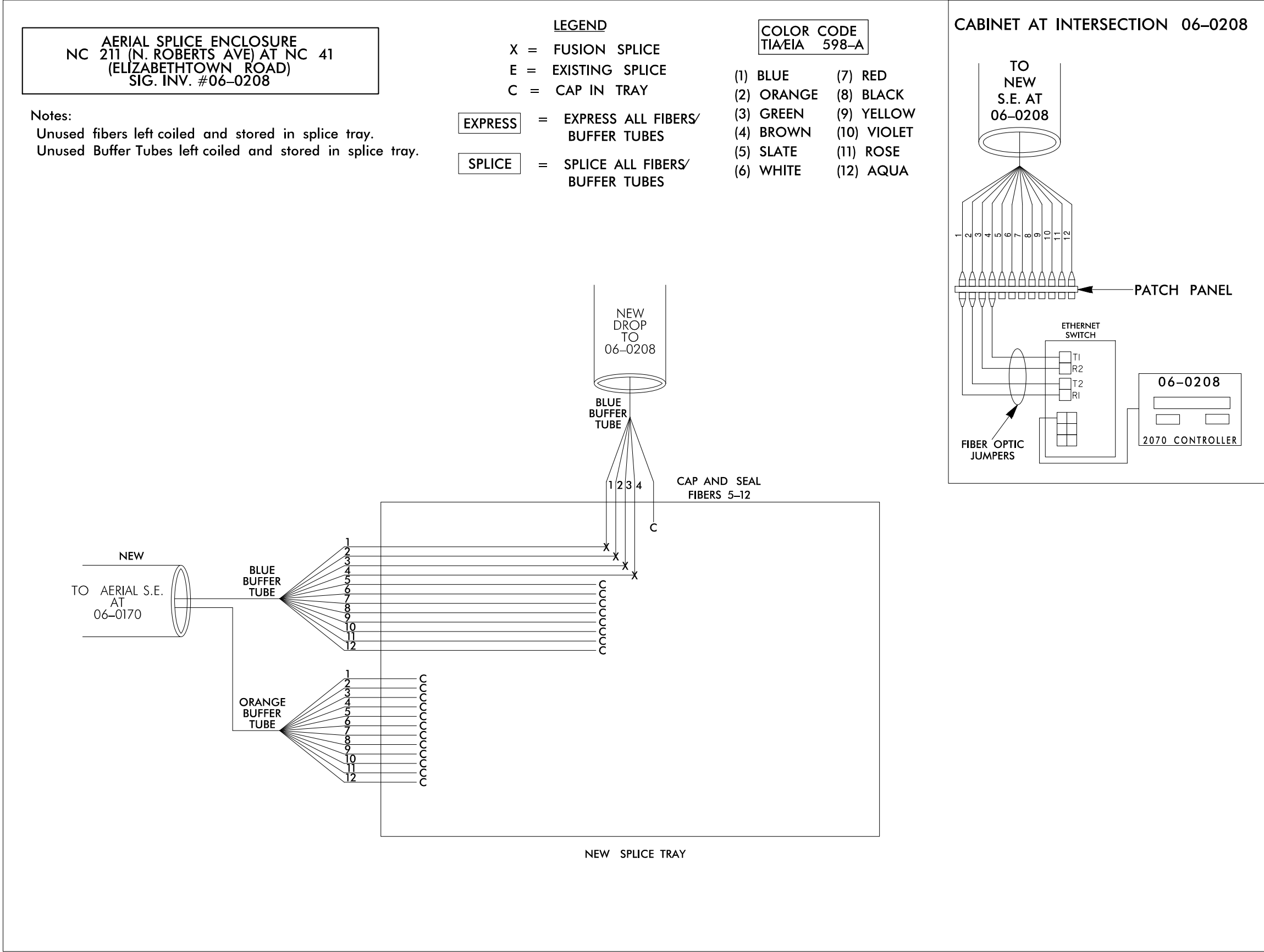
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 <b>STV Engineers, Inc.</b> 900 West Trade St., Suite 715 Charlotte, NC 28202 (704) 372-1885 NC License Number F-0991	 750 N. Greenfield Pkwy, Garner, NC 27529	<b>CABLE ROUTING PLANS</b> SR 1997 (Fayetteville Road) Signal System #D06-18 Lumberton Division 6 Robeson County Lumberton PLAN DATE: Feb 2025 PREPARED BY: R.L. Aristondo REVISIONS REVIEWED BY: H.M. Surti REVIEWED BY: T.M. Moody INIT. DATE 45EA104836704ED 3/19/2025 CADD FILE NAME: U-5797_SCP_11	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
			 Trent M. Moody ENGINEER 3/19/2025







## LEGEND

COLOR CODE TIA/EIA 598-B		
(1) BLUE	(7) RED	X = FUSION SPLICE INDIVIDUAL FIBER
(2) ORANGE	(8) BLACK	C = CAP AND SEAL
(3) GREEN	(9) YELLOW	
(4) BROWN	(10) VIOLET	EXPRESS = EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
(5) SLATE	(11) ROSE	BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(6) WHITE	(12) AQUA	

## NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE

- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 6 TRAFFIC ENGINEER AT (910) 364-0606 TO NOTIFY OF WORK TO BE PERFORMED ON EXISTING SYSTEM.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:  
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

- SPLICE LOCATION
- DATE
- COMPANY NAME
- NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

### FINAL SPLICE DETAIL PLANS

**stv**

STV Engineers, Inc.  
900 West Trade St., Suite 715  
Charlotte, NC 28202  
(704) 372-1885  
NC License Number F-0991

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE  
NONE

SPLICE DETAILS  
Signal System #D06-18 Lumberton

Division 6 Robeson County Lumberton

PLAN DATE: Feb 2025 REVIEWED BY: H.M. Surti

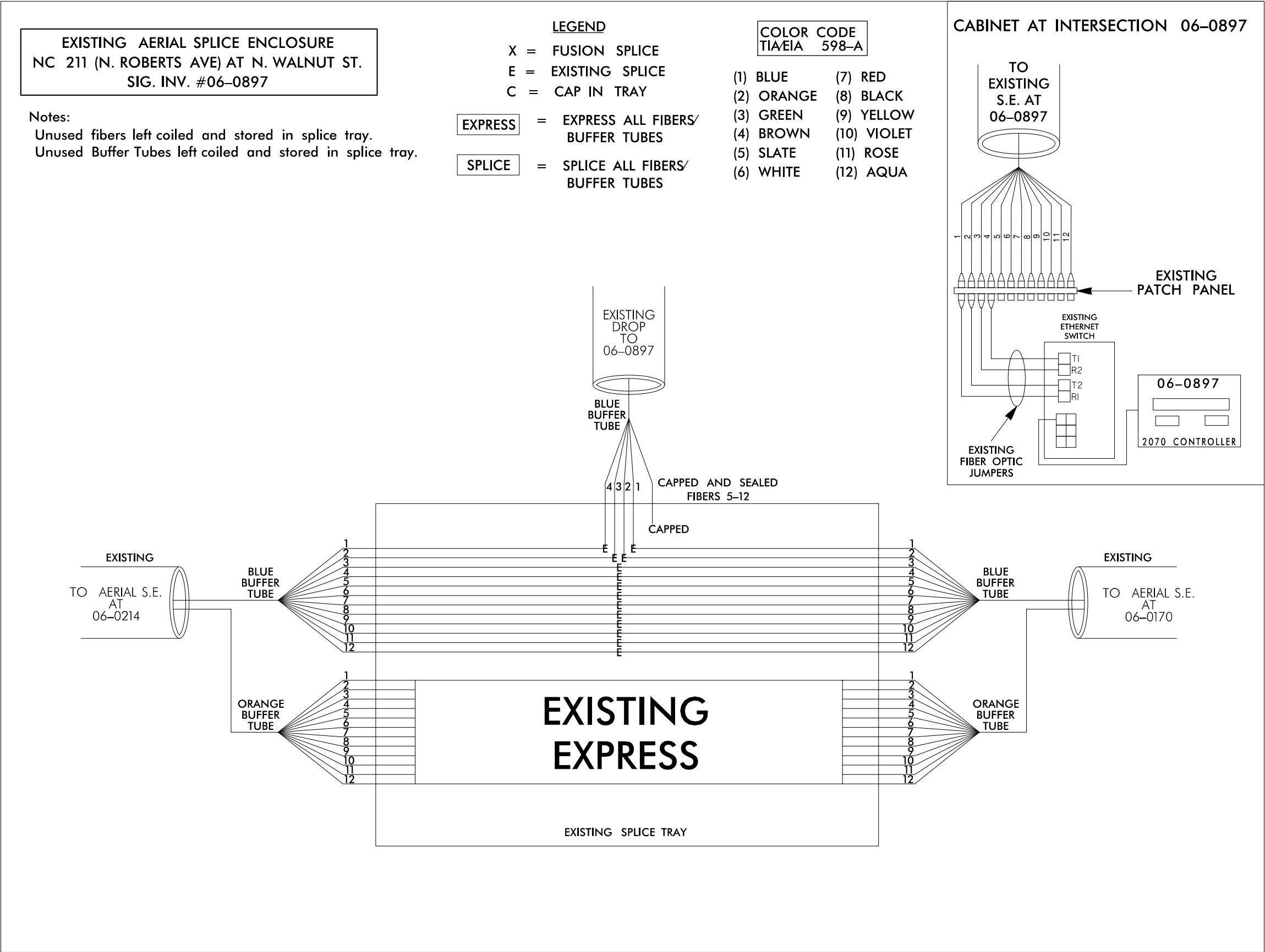
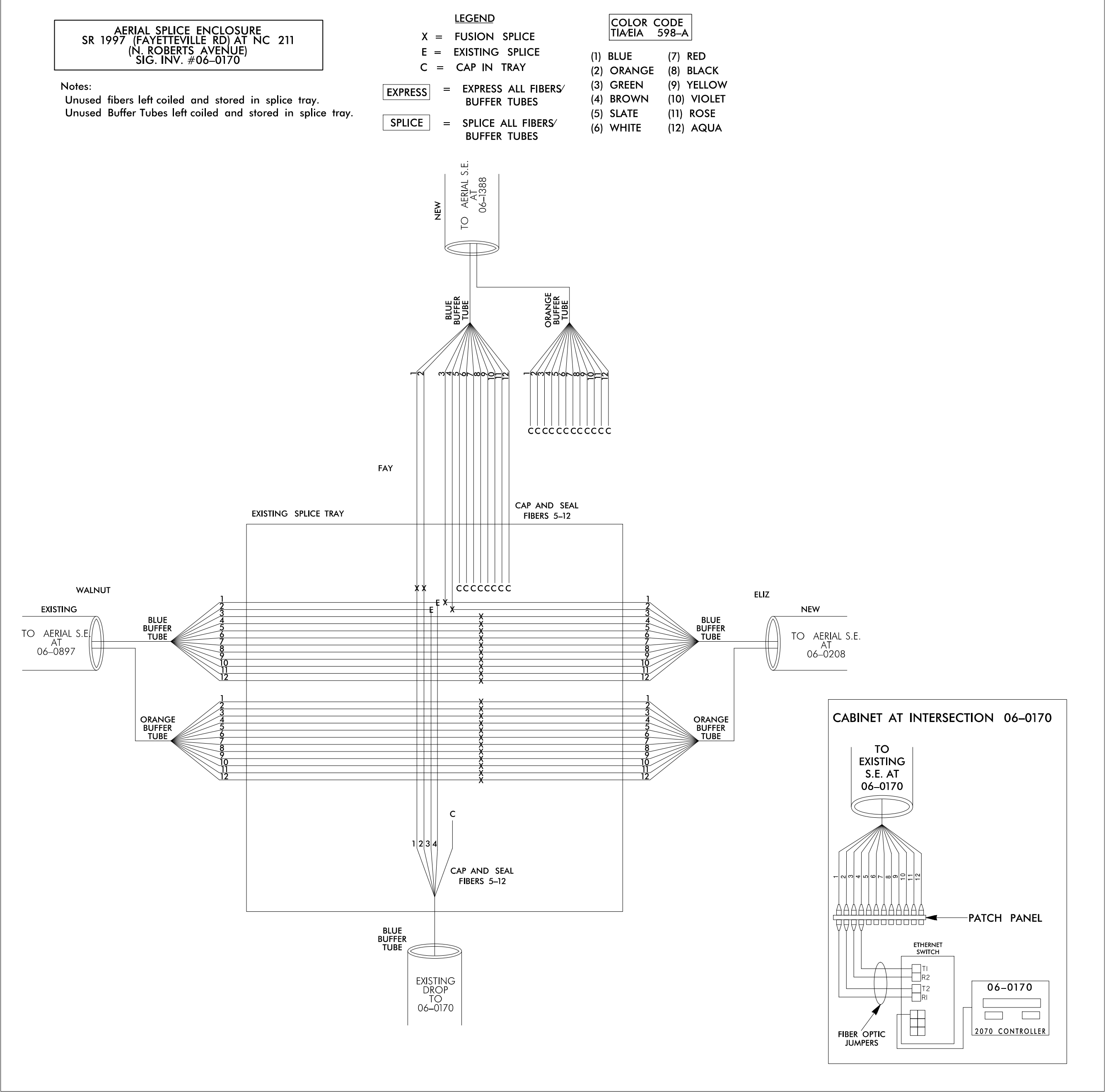
PREPARED BY: R.L. Aristondo REVIEWED BY: T.M. Moody

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
040329  
Trent Moody  
45EA1D4836704ED  
3/19/2025  
CADD FILE NAME: U-5797\_SCP\_13





## LEGEND

**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   |

X = FUSION SPICE INDIVIDUAL FIBER  
C = CAP AND SEAL

**EXPRESS** = EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING  
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## NOTES

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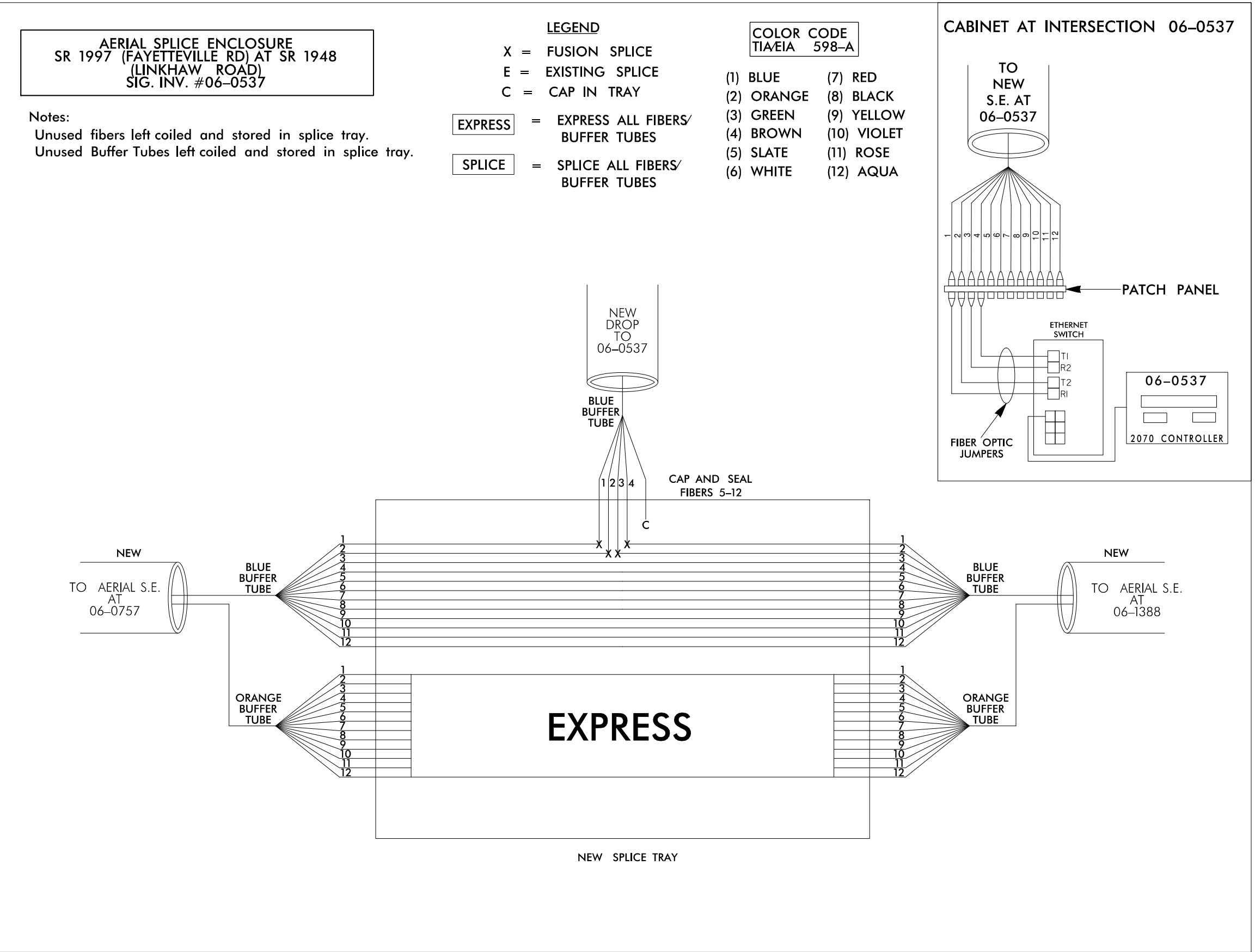
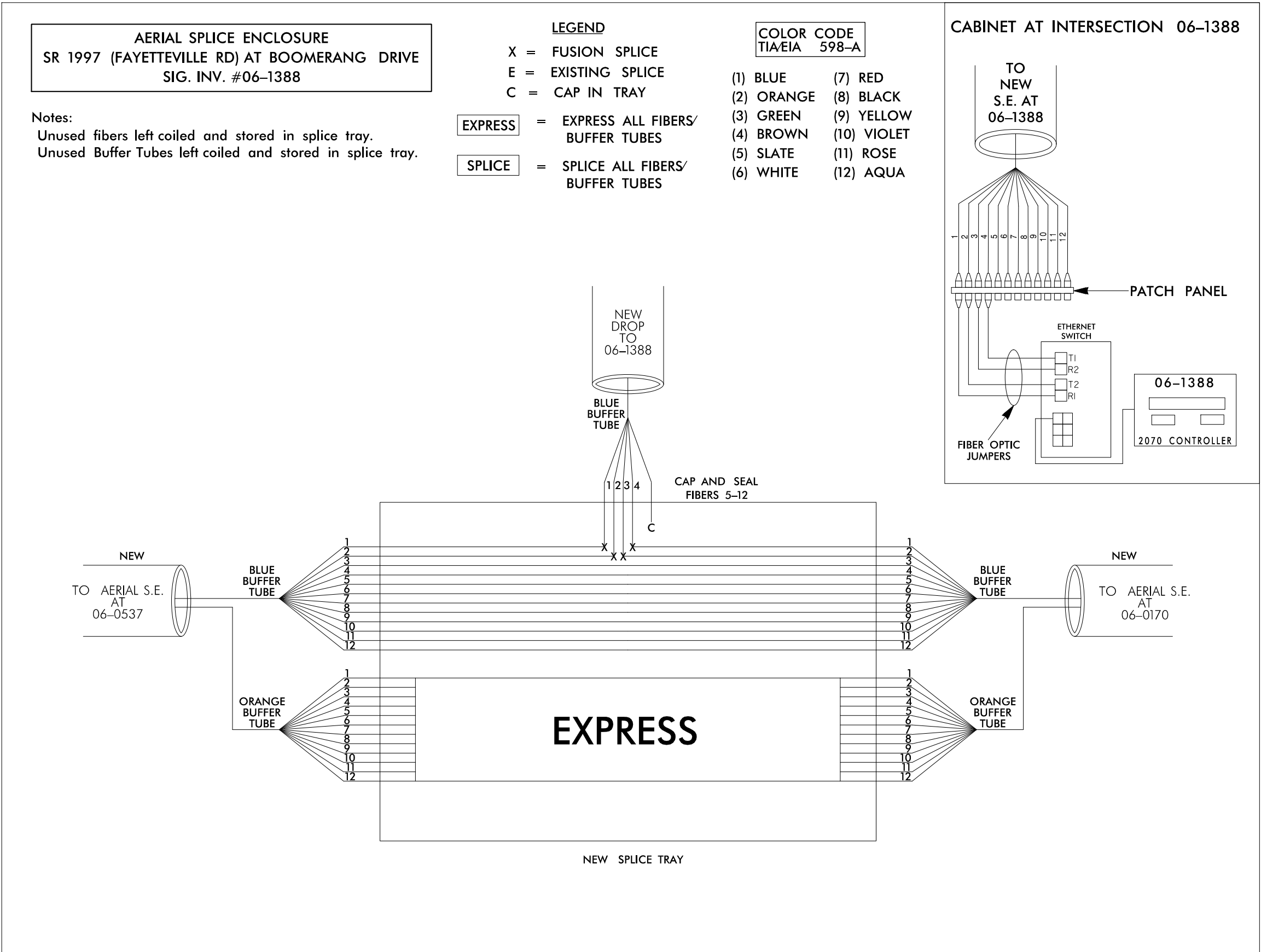
- SPLICE LOCATION
- DATE
- COMPANY NAME
- NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

### FINAL SPLICE DETAIL PLANS

 <b>STV Engineers, Inc.</b> 900 West Trade St., Suite 715 Charlotte, NC 28202 (704) 372-1885 NC License Number F-0991	 750 N. Greenfield Pkwy, Garner, NC 27529	<b>SPLICE DETAILS</b> Signal System #D06-18 Lumberton				 Trent Moody 3/19/2025 CADD FILE NAME: U-5797_SCP_14
		Division 6 Robeson County Lumberton				
		PLAN DATE: Feb 2025	REVIEWED BY: H.M. Surti			
		PREPARED BY: R.L. Aristondo	REVIEWED BY: T.M. Moody	INIT.	DATE	
		REVISIONS				

PROJECT REFERENCE NO.	SHEET NO.
U-5797	SCP-15



## LEGEND

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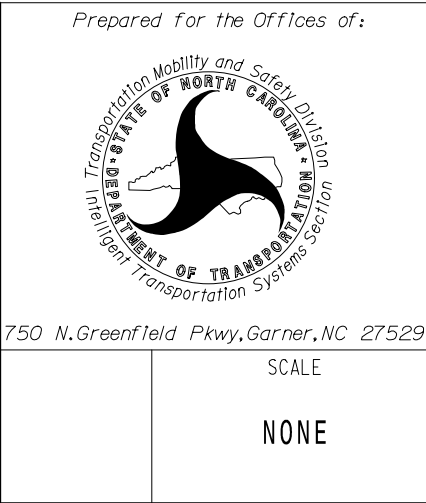
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### FINAL SPLICE DETAIL PLANS



SPLICE DETAILS Signal System #D06-18 Lumberton			
Division 6		Robeson County	
Lumberton			
PLAN DATE:	Feb 2025	REVIEWED BY:	H.M. Surti
PREPARED BY:	R.L. Aristondo	REVIEWED BY:	T.M. Woody
REVISIONS		INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER T.M. WOODY 45EA1D4836704ED 3/19/2025 CADD FILE NAME: U-5797_SCP_15



