

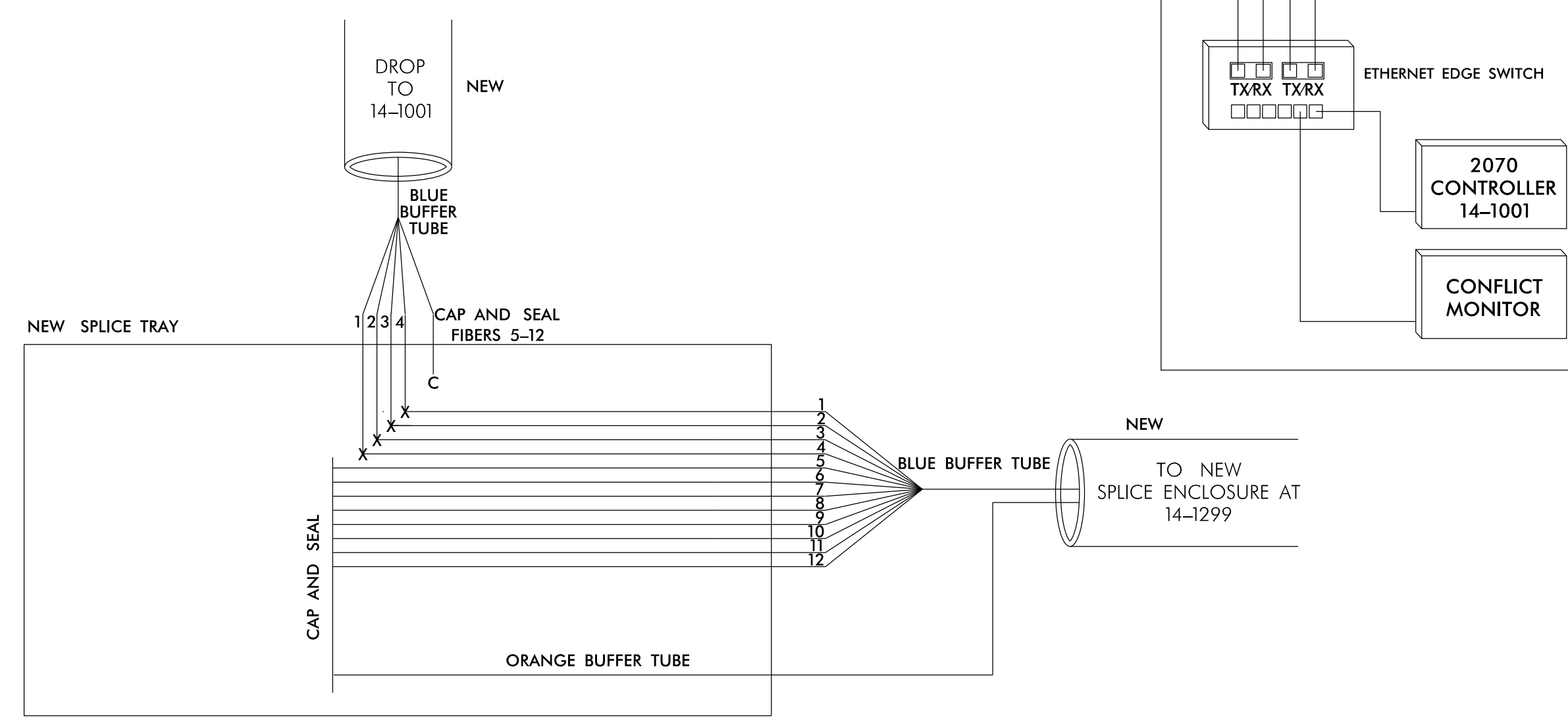
**NEW UNDERGROUND SPLICE ENCLOSURE**  
 US 129 (RODNEY ORR BYP.)/NC 143  
 AT N. MAIN STREET  
 SIG. INV. # 14-1001

**LEGEND**  
 X = FUSION SPLICE  
 C = CAP IN TRAY  
 EXPRESS EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING

**COLOR CODE TIA/EIA 598-A**

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

**NOTES:**  
 UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.  
 UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.



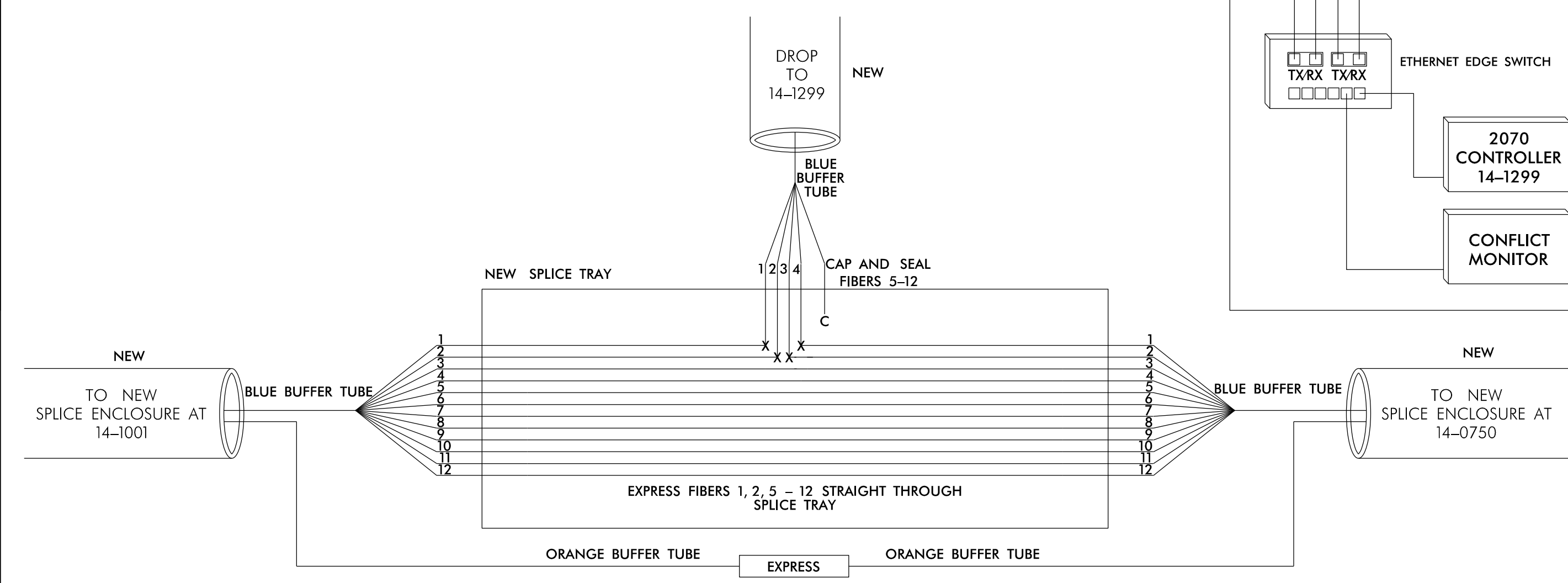
**NEW UNDERGROUND SPLICE ENCLOSURE**  
 US 129 (RODNEY ORR BYP.)/NC 143  
 AT CONNECTOR ROAD  
 SIG. INV. # 14-1299

**LEGEND**  
 X = FUSION SPLICE  
 C = CAP IN TRAY  
 EXPRESS EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING

**COLOR CODE TIA/EIA 598-A**

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

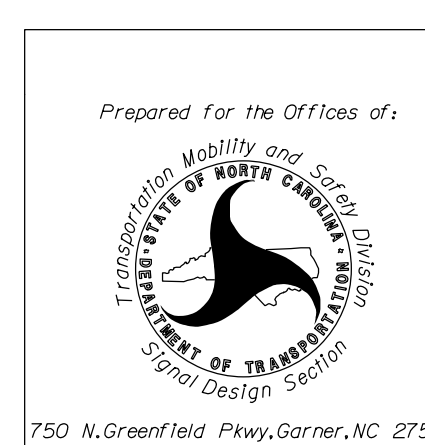
**NOTES:**  
 UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.  
 UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.



**NOTES:**

1. NOTIFY THE NCDOT DIVISION 14 TRAFFIC ENGINEER STEVEN BUCHANAN, AT 828-631-1185 TWO (2) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM COMMUNICATIONS CABLES. 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 OPERATIONAL.
  2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
  3. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:  
 REFERENCE NCDOT 2018 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES 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 PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.



**US 129(Rodney Orr Bypass) /NC 143 (Sweetwater Road) Communications Cable Splice Details**

Division 14	Graham County	Robbinsville
PLAN DATE: May 2022	REVIEWED BY: M. L. Stygles	
PREPARED BY: J. Ma	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEERS  
 SEAL 033108  
 J. Ma  
 5/10/2022  
 SIGNATURE DATE