PROJECT REFERENCE NO.	SHEET NO.
I-5716	SCP 9

NEW SIGNAL CABINET AT THE NW CORNER OF
LENOIR RHYNE BLVD SE @ 13TH AVENUE DR SE

SIG. INV. # 12-1218

Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.

LEGEND

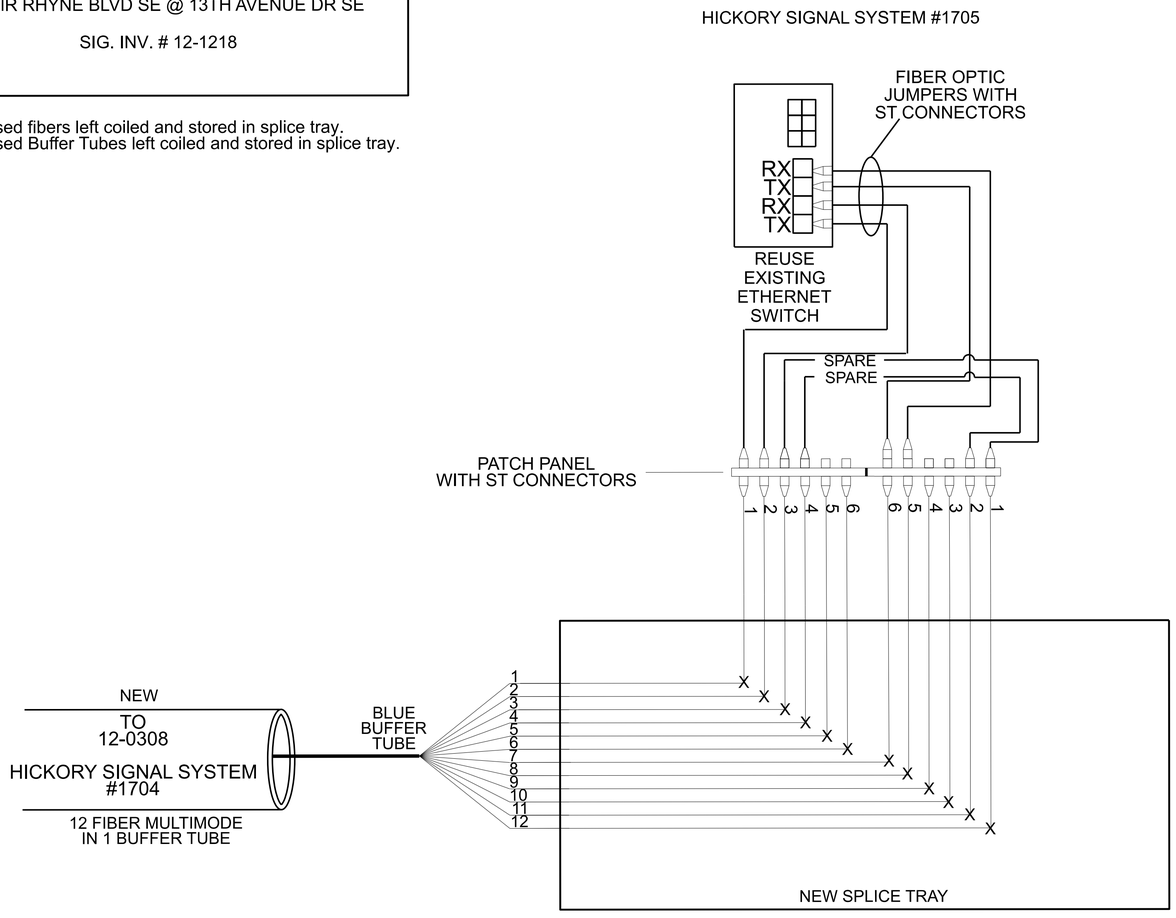
X = FUSION SPLICE
C = CAP IN TRAY

EXPRESS = EXPRESS ALL FIBERS/ BUFFER TUBES

BUFFER SPLICE = SPLICE ALL FIBERS/ BUFFER TUBES

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:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE HICKORY TRAFFIC ENGINEER AT (828) 323-7500 PRIOR TO ANY WORK ON THE SIGNAL SYSTEM. NOTIFY THE HICKORY TRAFFIC ENGINEER AT (828) 323-7500 AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS UP AND OPERATIONAL.
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
3. REUSE EXISTING ETHERNET SWITCH. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \\ ENSURING PROPER TERMINATIONS.
4. 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 PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

TMP PHASE 7D

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
NCDOT Transportation Mobility and Safety Division
750 N. Greenfield Pkwy. , Garner, NC 27529

HICKORY SIGNAL SYSTEM
SPLICE DETAIL

DIVISION 12 CATAWBA HICKORY

PLAN DATE: MARCH 2026 REVIEWED BY:

PREPARED BY: H.T. BERGGREN, EI

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036833 RYAN W. HOUGH
Signed by: Ryan Hough
SIGNATURE: [redacted]
DATE: 04/13/2026