U-5760

COLOR CODE TIA/EIA 598-C

(1) BLUE (7) RED (2) ORANGE (8) BLACK

(3) GREEN (9) YELLOW (4) BROWN (10) VIOLET (11) ROSE (5) SLATE

(12) AQUA

ORANGE //

GREEN //

BROWN //

SLATE

WHITE

BLACK

VIOLET \\

ROSE \\

AQUA \\

YELLOW \\

RED

(6) WHITE

BLUE ORANGE

GREEN

BROWN

SLATE

WHITE

RED

BLACK YELLOW

VIOLET

ROSE AQUA

O – EXISTING SPLICE □ - EXPRESS INDIVIDUAL FIBER EXPRESS ENTIRE BUFFER TUBE

X - FUSION SPLICE INDIVIDUAL FIBER

LEGEND

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

CABINET AT CCTV DROP CABLE TO CCTV ETHERNET CCTV

GIGE SWITCH

FARM ROAD

NEW CCTV AT US 421 AT FUTURE BIG MILL

NEW CABLE TO DMS EXISTING DMS ON US 421/NC 150 (SALEM PARKWAY) AT 1 MILE WEST OF KERNERSVILLE ROAD EASTBOUND

144 FIBERS IN 12 BUFFER TUBES

\\ ORANGE \\ GREEN **EXPRESS** \\ BROWN EXPRESS \\SLATE ||WHITE RED **EXPRESS** ||BLACK EXPRESS //YELLOW EXPRESS // VIOLET **EXPRESS** // ROSE // AQUA **EXPRESS** BLUE ORANGE GREEN BROWN SLATE WHITE RED BLACK YELLOW VIOLET ROSE

NEW CABLE TO NEW UNDERGROUND SPLICE ENCLOSURE AT US 421/NC 150 (SALEM PARKWAY) EASTBOUND EXIT RAMP TO SOUTH MAIN STREET

144 FIBERS IN 12 BUFFER TUBES

CAP AND SEAL DROP **CABLE** 

CCTV

## NOTES:

- 1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF DURHAM TRAFFIC ENGINEER AT 336-747-7800 TO ARRANGE FOR THE CITY 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 INFORMATION. NOTIFY THE 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) 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) 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.

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U-5760 Communications Cable and

Division 9 Forsyth County Kernersville PLAN DATE: September 2024 REVIEWED BY: KW Smith 750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: MC Burke REVIEWED BY:

Conduit Routing Plan INIT. DATE

SEAL SEAL 030472

7/14/2025