U-5760 SCP-08

PROPOSED ROW (TYPICAL) Existing ROW (Surveyed) HARMON CREEK ROAD S xisting ROW (Surveyed) 09–0362 PROPOSED DRAINAGE -INFRASTRUCTURE (TYPICAL) 53B 53B (26) 28 53A 60 66

NOTES:

1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DEPUTY DIVISION TRAFFIC ENGINEER, AT 336-747-7800, 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 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 OPERAITONAL.

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) REMOVE EXISTING JUNCTION BOX AND BACKFILL WITH APPROVED SUBGRADE MATERIAL. CUT CONDUIT OFF 30" BELOW GRADE AND ABANDON.



U-5760
Communications Cable and

Conduit Routing Plan

Division 9 Forsyth County Kernersville

PLAN DATE: September 2024 REVIEWED BY: KW Smith

PREPARED BY: MC Burke REVIEWED BY:

REVISIONS

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Kernersville
Smith

INIT. DATE

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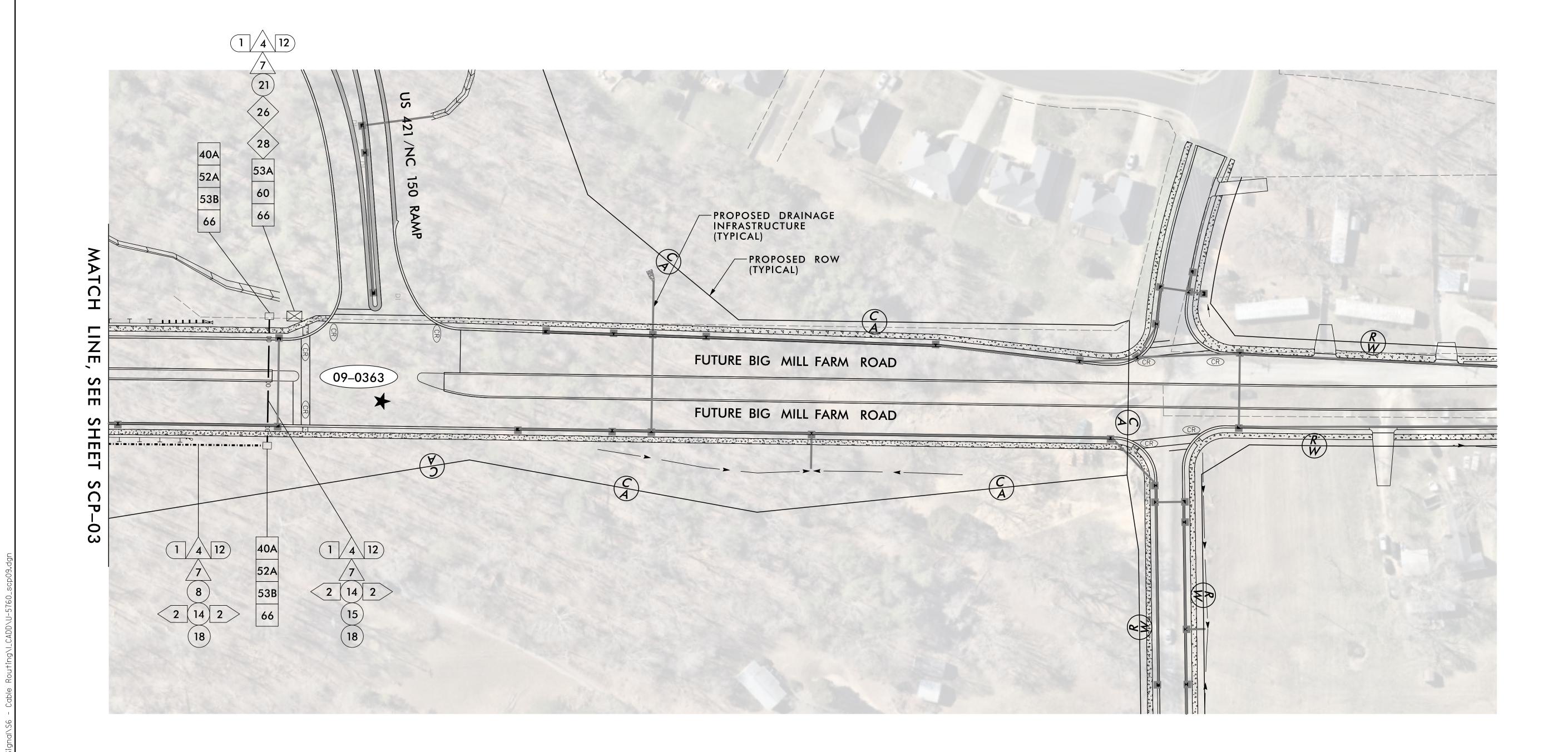
Docusigned by:

Levin Smith

CADD Filename:

PROJECT REFERENCE NO.

U-5760

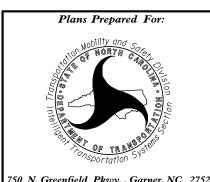


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U-5760

Communications Cable and Conduit Routing Plan

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:

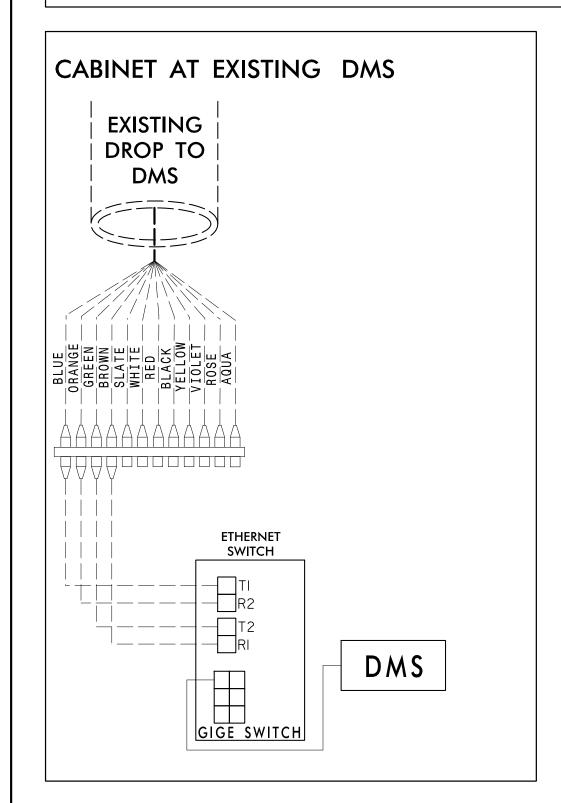
REVISIONS INIT. DATE



Kimley»Horn

7/14/2025

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



BROWN

SLATE

CAPPED

SEALED

EXISTING DROP **CABLE** TO DMS PROJECT REFERENCE NO. U-5760 SCP - 10

LEGEND COLOR CODE TIA/EIA 598-C X - FUSION SPLICE INDIVIDUAL FIBER

(7) RED

(2) ORANGE (8) BLACK (3) GREEN (9) YELLOW

(4) BROWN (10) VIOLET (11) ROSE (5) SLATE (6) WHITE (12) AQUA

> ORANGE GREEN

BROWN

SLATE WHITE RED BLACK YELLOW VIOLET □ - EXPRESS INDIVIDUAL FIBER EXPRESS ENTIRE BUFFER TUBE SPLICE ENTIRE BUFFER TUBE OR MAINTAIN

IF EXISTING EXPRESSED

O – EXISTING SPLICE

ORANGE // GREEN / BROWN // SLATE NEW CABLE TO WHITE NEW CCTV AT US 421 AT RED BLACK FUTURE BIG MILL FARM ROAD YELLOW \\ VIOLET \\ ROSE \\ AQUA \\ 144 FIBERS IN 12 BUFFER TUBES

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.
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- 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

WHITE

YELLOW

2) DATE

EXISTING CABLE FROM

EXISTING CCTV ON

US 421/NC 150 (SALEM PARKWAY)

AT HASTING HILL ROAD

144 FIBERS IN 12 BUFFER TUBES

- 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.

NC License #F-0102 421 Fayetteville St., Suite 600 Raleigh, NC 27601 Tel: (919) 677-2000 Fax: (919) 677-2050

U-5760 Communications Cable and

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

INIT. DATE

SEAL SEAL 030472 7/14/2025

LEGEND COLOR CODE

(12) AQUA

ORANGE //

GREEN //

BROWN //

SLATE

WHITE

BLACK

VIOLET \\

ROSE \\

AQUA \\

YELLOW \\

RED

TIA/EIA 598-C

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

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

(6) WHITE

BLUE ORANGE

GREEN

BROWN

SLATE

WHITE

RED

BLACK YELLOW

VIOLET

ROSE AQUA

O – EXISTING SPLICE □ - EXPRESS INDIVIDUAL FIBER

X - FUSION SPLICE INDIVIDUAL FIBER

EXPRESS ENTIRE BUFFER TUBE 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

\\ 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 AQUA

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:

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 - 1) SPLICE LOCATION

\\ ORANGE

- 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.

|Kimley»Horn NC License #F-0102 421 Fayetteville St., Suite 600 Raleigh, NC 27601 Tel: (919) 677-2000 Fax: (919) 677-2050

SEAL

SEAL 030472

U-5760 Communications Cable and

Conduit Routing Plan 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:

INIT. DATE

7/14/2025

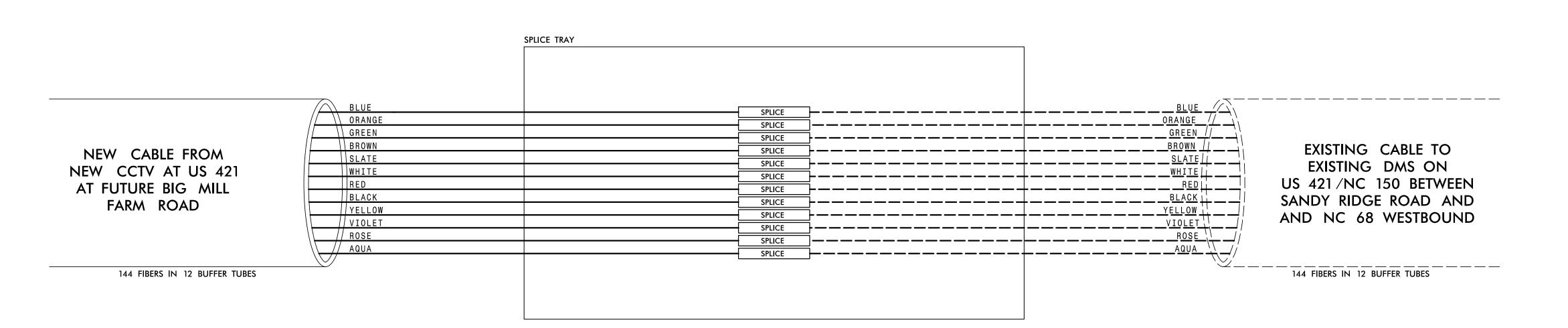
NEW UNDERGROUND SPLICE ENCLOSURE AT US 421/NC 150 (SALEM PARKWAY) EASTBOUND EXIT RAMP TO SOUTH MAIN STREET

PROJECT REFERENCE NO. U-5760 SCP-12

LEGEND COLOR CODE TIA/EIA 598-C X - FUSION SPLICE INDIVIDUAL FIBER O – EXISTING SPLICE □ - EXPRESS INDIVIDUAL FIBER (2) ORANGE (8) BLACK EXPRESS ENTIRE BUFFER TUBE (3) GREEN (9) YELLOW SPLICE ENTIRE BUFFER TUBE OR MAINTAIN (10) VIOLET (4) BROWN IF EXISTING EXPRESSED (11) ROSE (5) SLATE

(6) WHITE

(12) AQUA



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.
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 - 1) SPLICE LOCATION
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SEAL

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Conduit Routing Plan

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

SEAL 030472 7/14/2025

COLOR CODE TIA/EIA 598-C

(1) BLUE (7) RED (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW

(10) VIOLET (11) ROSE

LEGEND

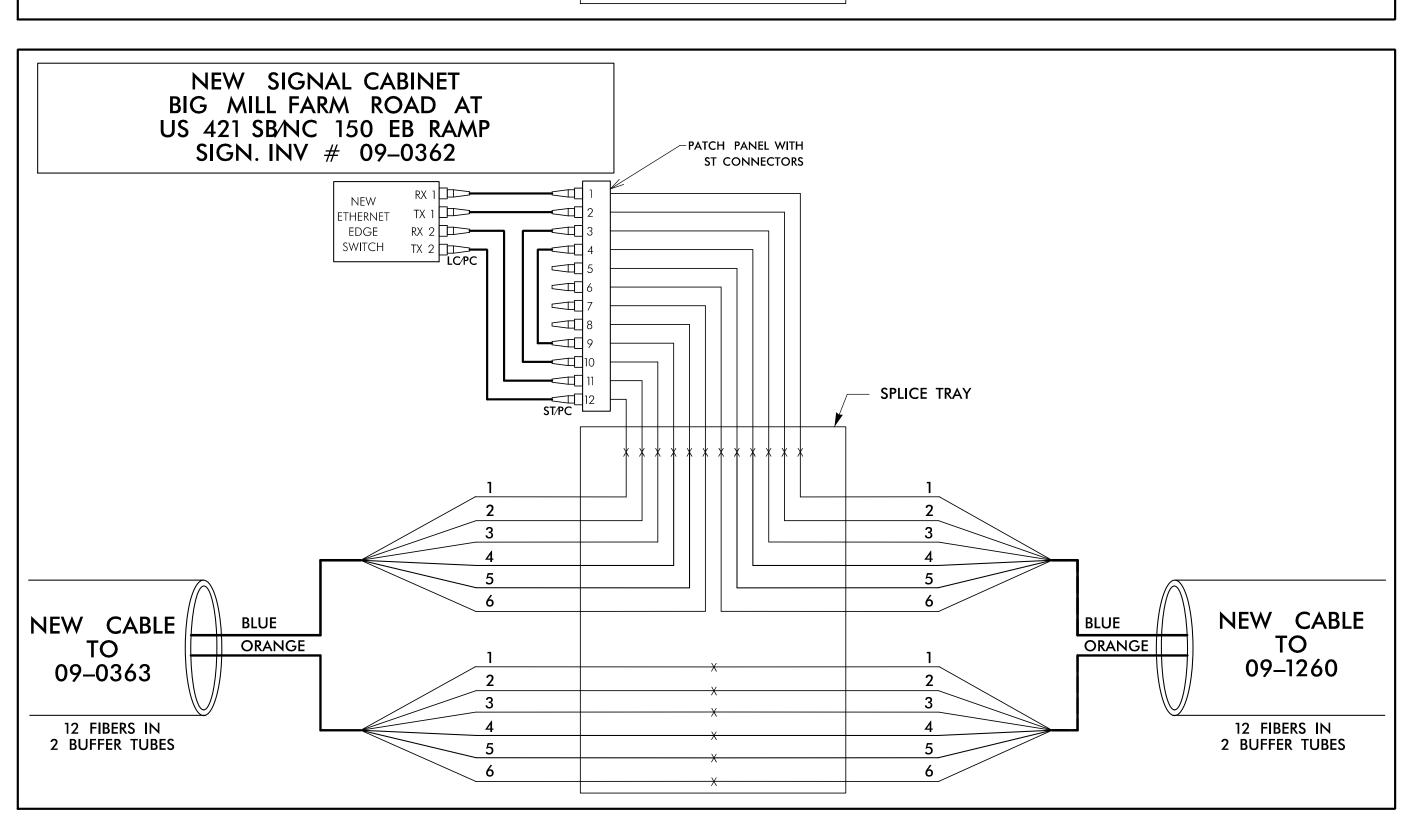
X - FUSION SPLICE INDIVIDUAL FIBER O – EXISTING SPLICE

□ - EXPRESS INDIVIDUAL FIBER

EXPRESS ENTIRE BUFFER TUBE SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

(4) BROWN (5) SLATE (6) WHITE (12) AQUA

NEW SIGNAL CABINET BIG MILL FARM ROAD AT US 421 NB/NC 150 WB RAMP SIGN. INV # 09-0363 ∼ PATCH PANEL WITH ST CONNECTORS NEW ETHERNET EDGE RX 2 SWITCH TX 2 LC/PC **SPLICE TRAY** NEW CABLE BLUE TO ORANGE 09–1062 12 FIBERS IN 2 BUFFER TUBES



PATCH PANEL WITH

ST CONNECTORS

SPLICE TRAY

NOTES:

NEW CABLE

TO

09-0362

12 FIBERS IN

2 BUFFER TUBES

BLUE

ORANGE

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.

EXISTING SIGNAL CABINET SR 4315 (OLD NC 150 AND S. MAIN STREET)

AT HARMON CREEK ROAD

SIGN INV. # 09–1260

ETHERNET

EDGE

SWITCH TX 2

- 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.
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EXISTING CABLE

TO

09–1227

12 FIBERS IN

2 BUFFER TUBES

ORANGE

- 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
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U-5760 Communications Cable and Conduit Routing Plan

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750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: MC Burke REVISIONS INIT. DATE 0



CADD Filename: