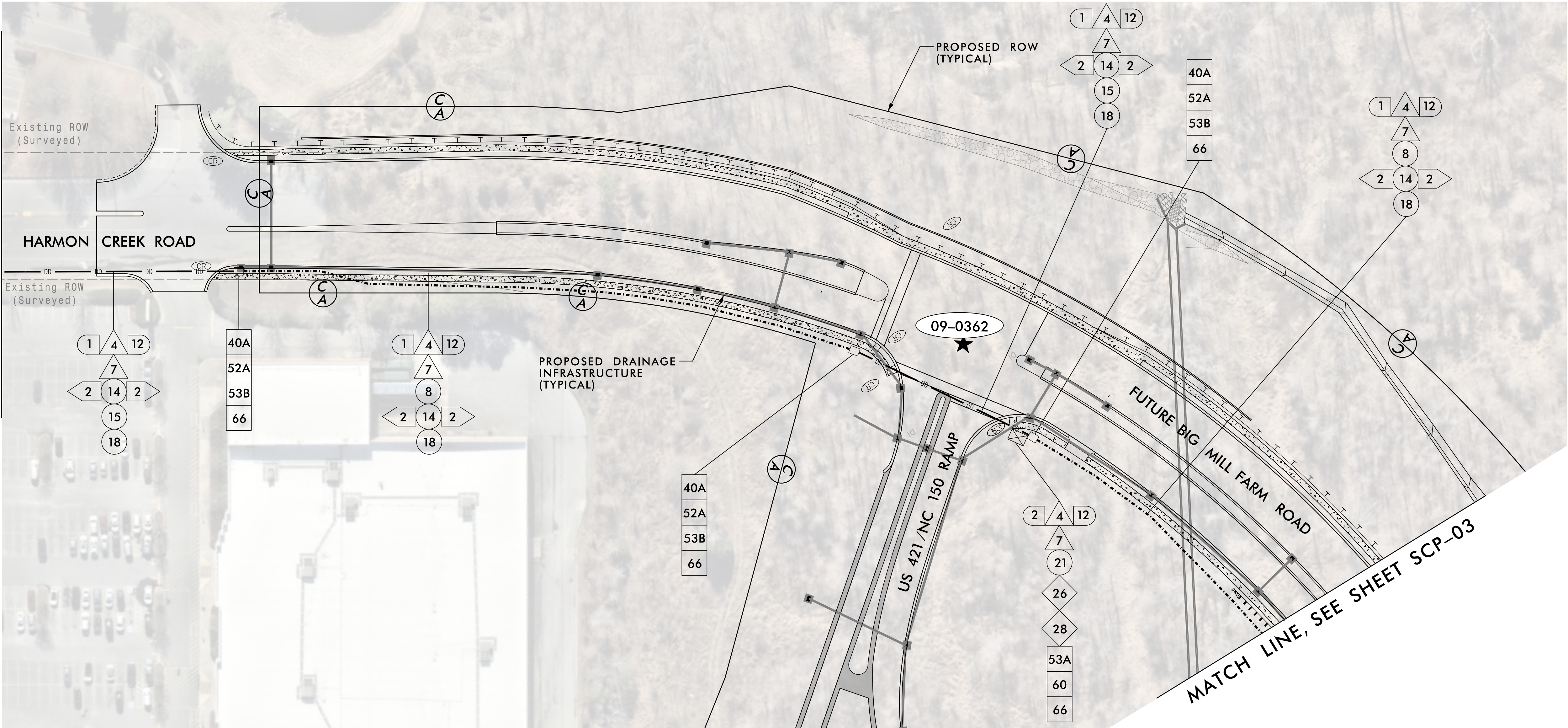


MATCH LINE, SEE SHEET SCP-07

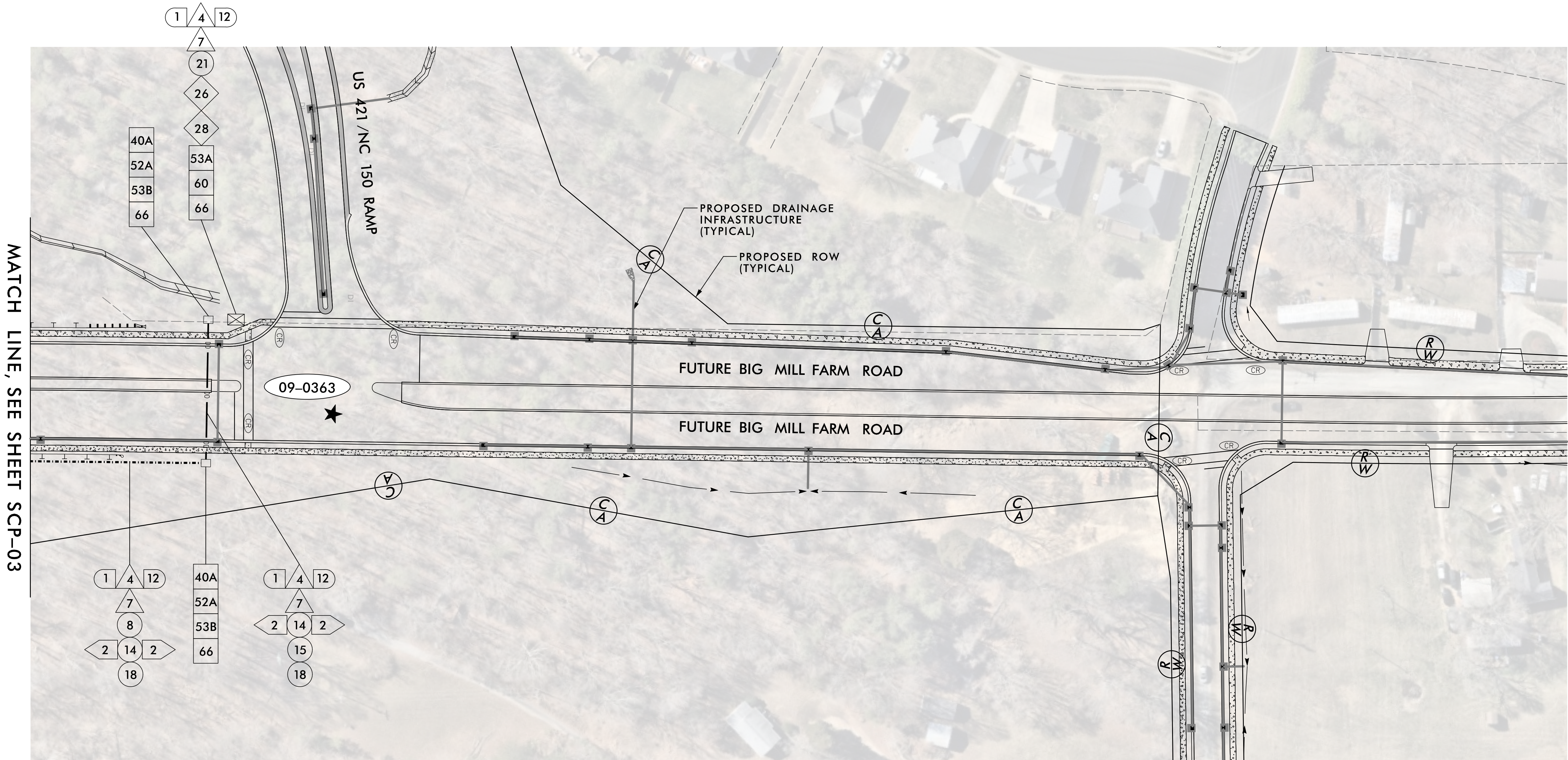


NOTES:

- 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	INIT.	DATE
SIGNATURE		DATE	
CADD Filename:			

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



MATCH LINE, SEE SHEET SCP-03

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.
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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	
PREPARED BY: MC Burke	REVIEWED BY:	INIT.	DATE
REVISIONS			
0 N/A			
SCALE			
7/14/2025		7/14/2025	
KsRAL-Roadway\01036392 - U-5760 Big Mill Farm Road\Traffic Signal\36 - Cable Routing\1.CADD\U-5760_scp09.dgn		CADD Filename:	

Kimley»Horn

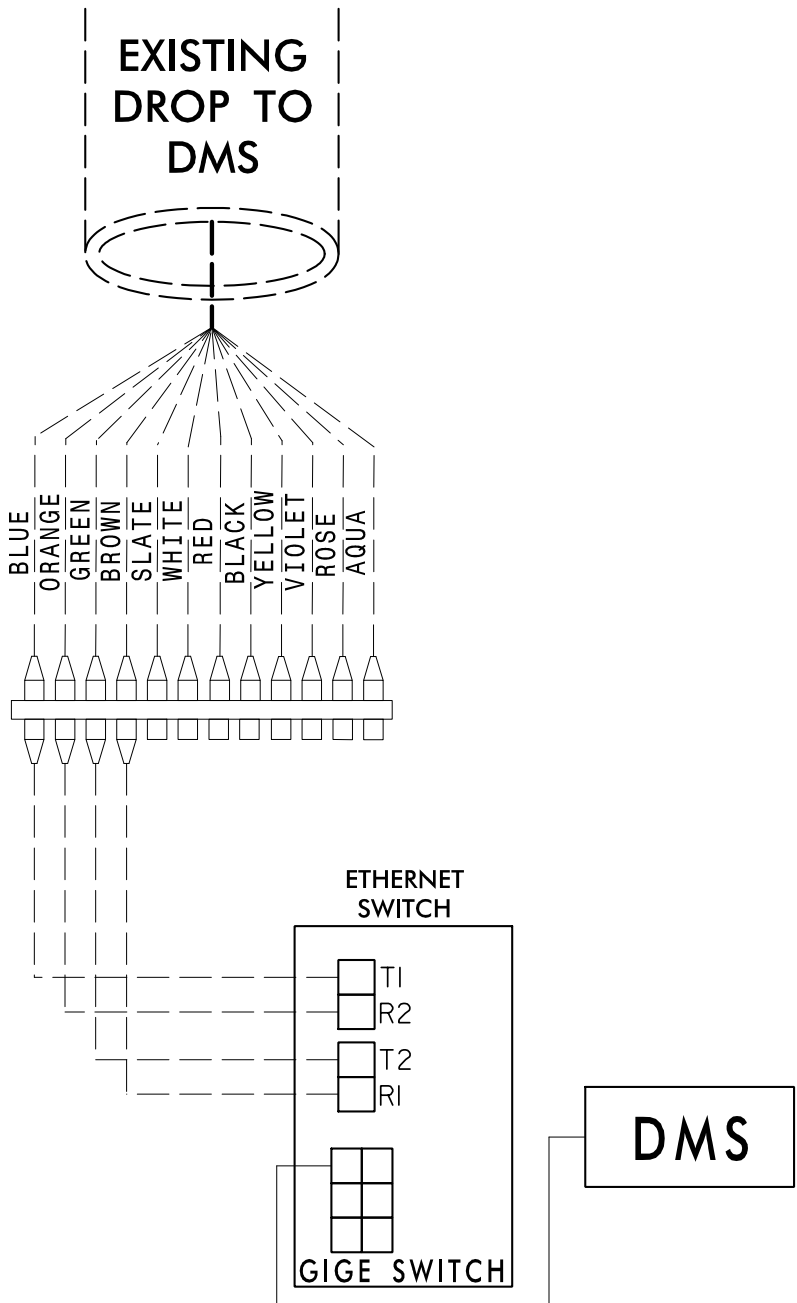
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
030472
ENGINEER
KEVIN W. SMITH

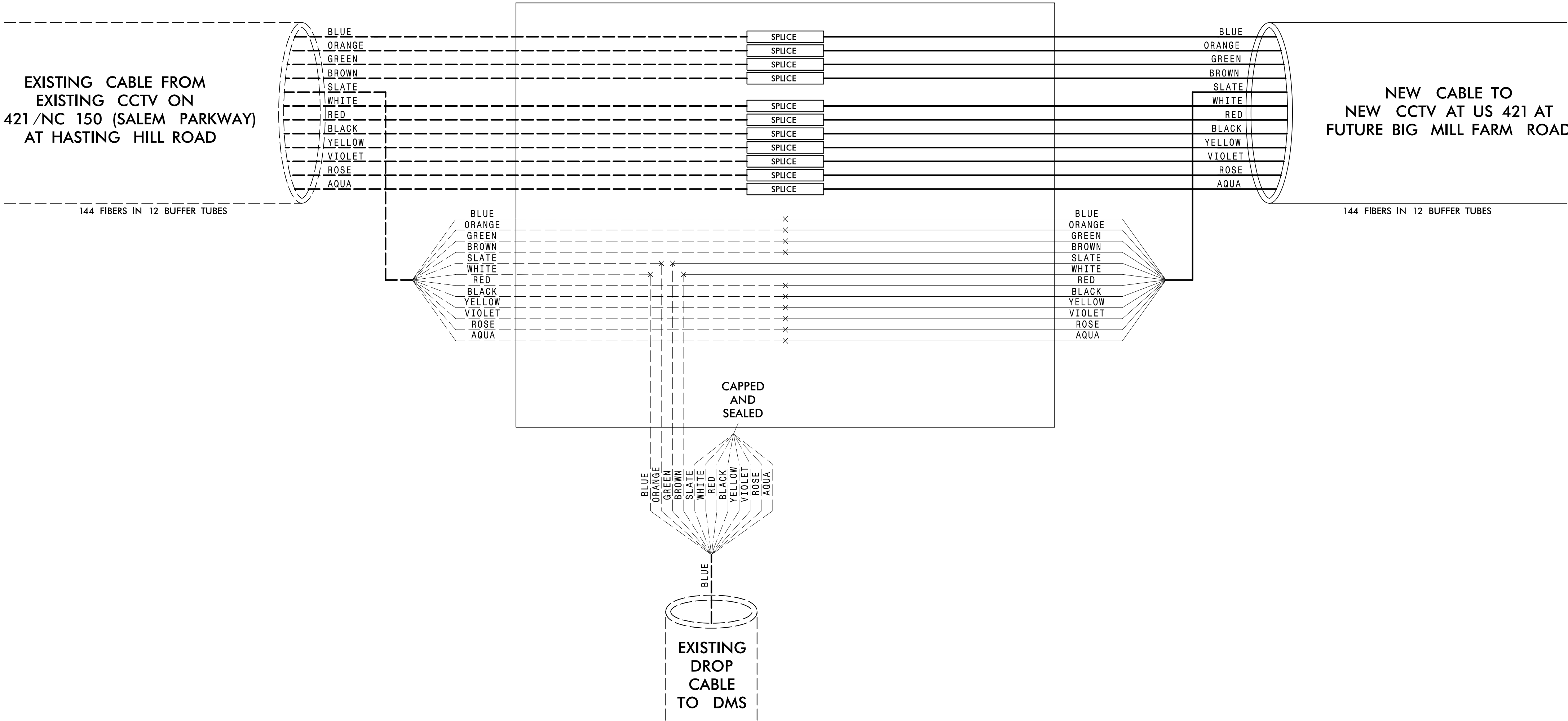
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Kevin Smith
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SIGNATURE DATE

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

CABINET AT EXISTING DMS



EXISTING CABLE FROM
EXISTING CCTV ON
US 421/NC 150 (SALEM PARKWAY)
AT HASTING HILL ROAD



COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X - FUSION

O - EXISTING

□ - EXPRESS

EXPRESS

SPLICE

SPLICE INDIVIDUAL FIBER

EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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

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.

Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

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

INIT.

DATE

SCALE

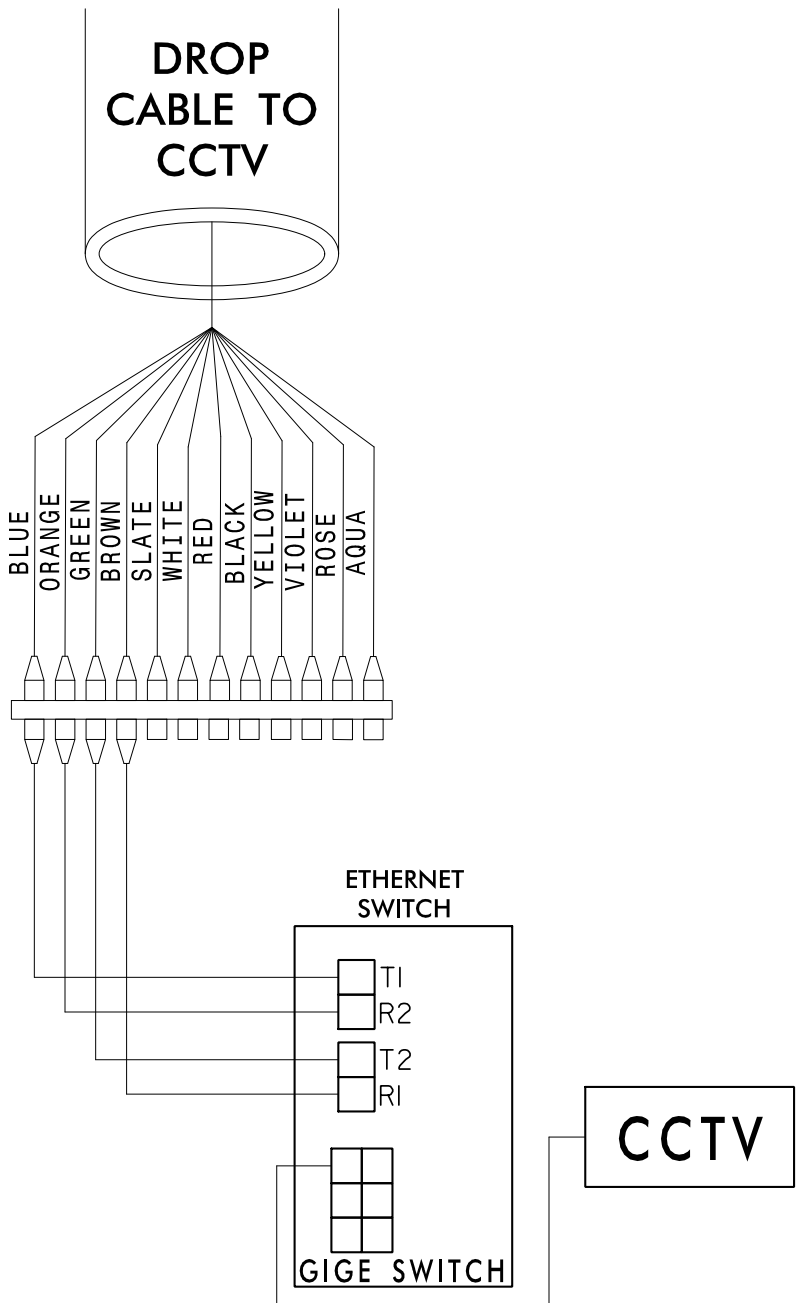
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DocuSigned by
Kevin Smith
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7/14/2025
SIGNATURE DATE
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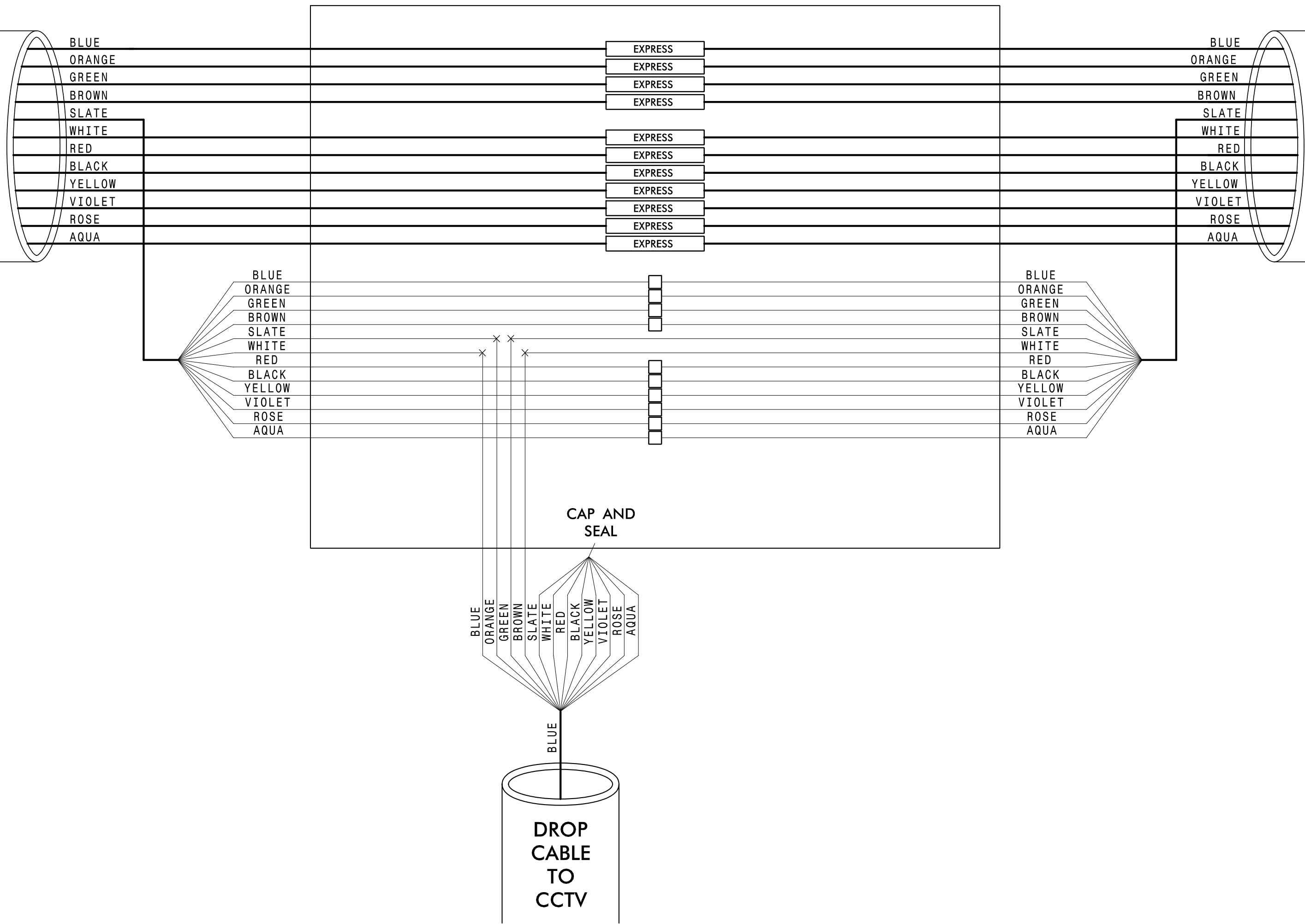
NEW CCTV AT US 421 AT FUTURE BIG MILL FARM ROAD

CABINET AT CCTV



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



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

COLOR CODE TIA/EIA 598-C		LEGEND	
(1) BLUE	(7) RED	X - FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	O - EXISTING SPLICE	
(3) GREEN	(9) YELLOW	□ - EXPRESS INDIVIDUAL FIBER	
(4) BROWN	(10) VIOLET	EXPRESS	EXPRESS ENTIRE BUFFER TUBE
(5) SLATE	(11) ROSE	SPLICE	SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED
(6) WHITE	(12) AQUA		

NOTES:

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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 PREPARED BY: MC Burke REVIEWED BY:		
SCALE 0 N/A	REVISIONS	INIT.	DATE
SIGNATURE		DATE	
CADD Filename:			

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

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

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

- FUSION SPLICE INDIVIDUAL FIBER

- EXISTING SPLICE

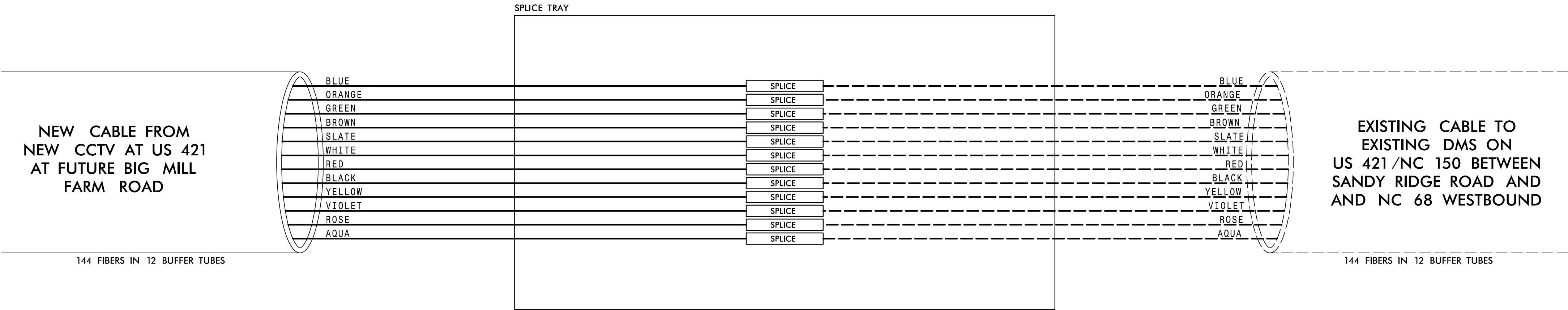
- EXPRESS INDIVIDUAL FIBER

EXPRESS

SPLICE

EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED



NOTES:

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Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

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

INIT. DATE

SCALE

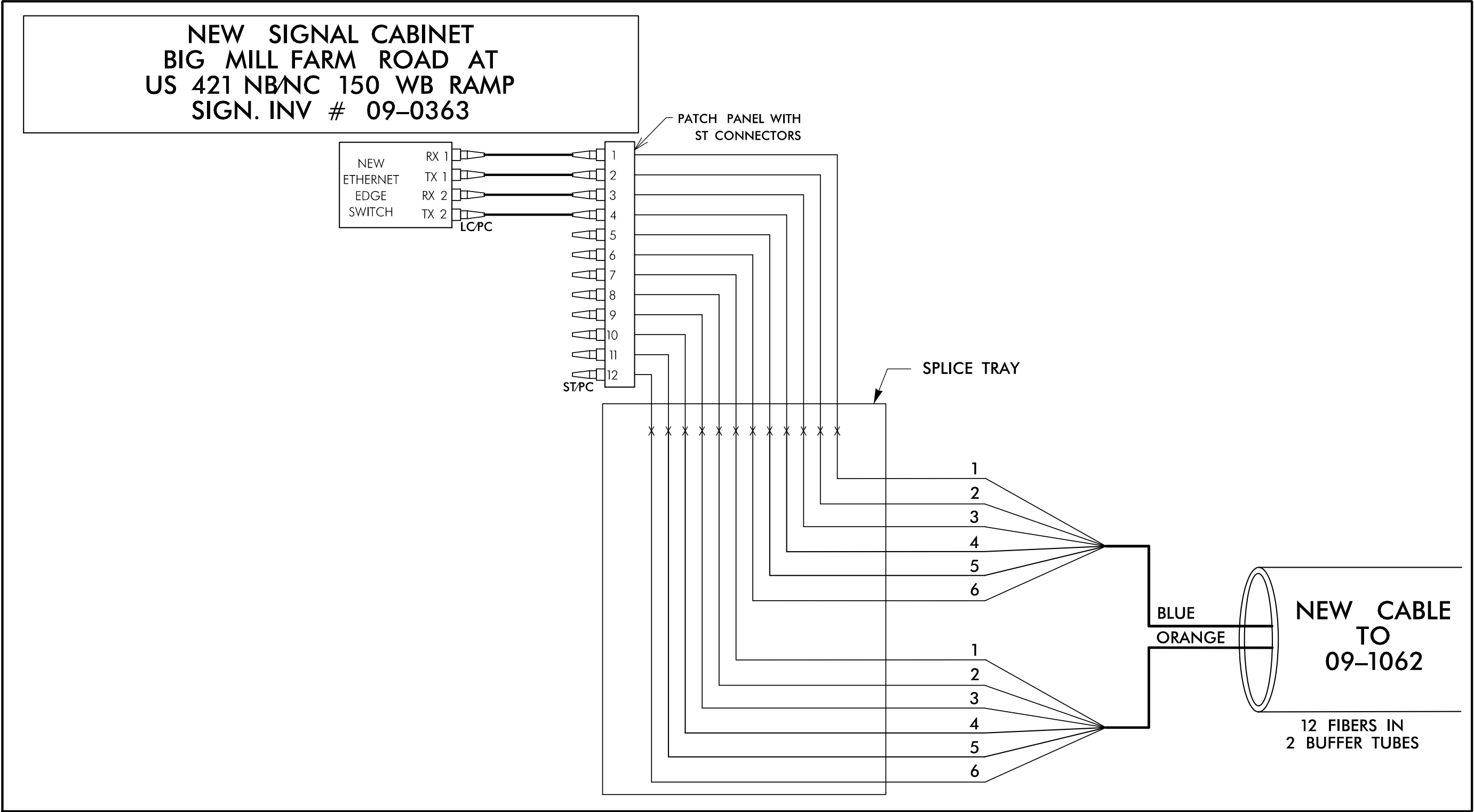
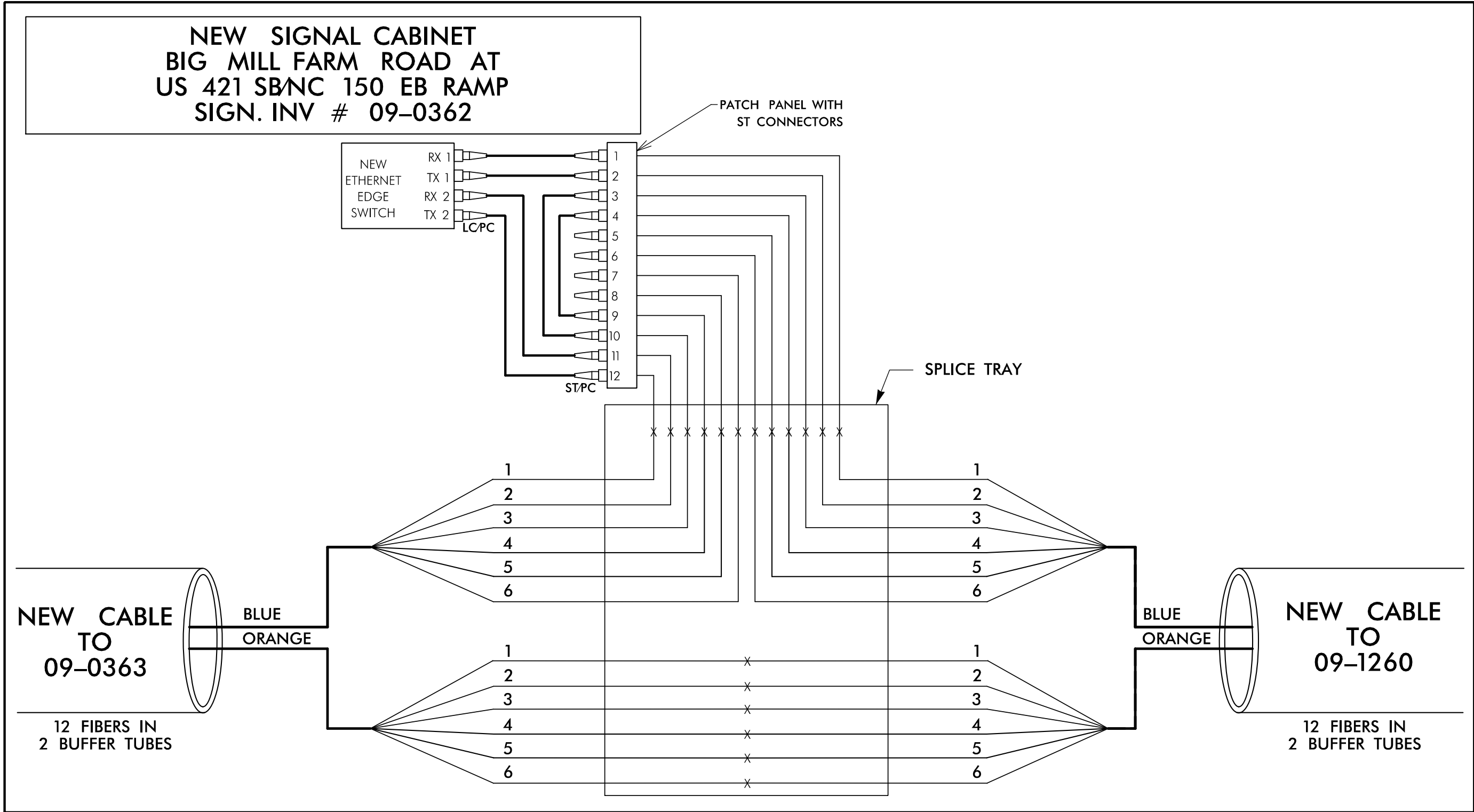
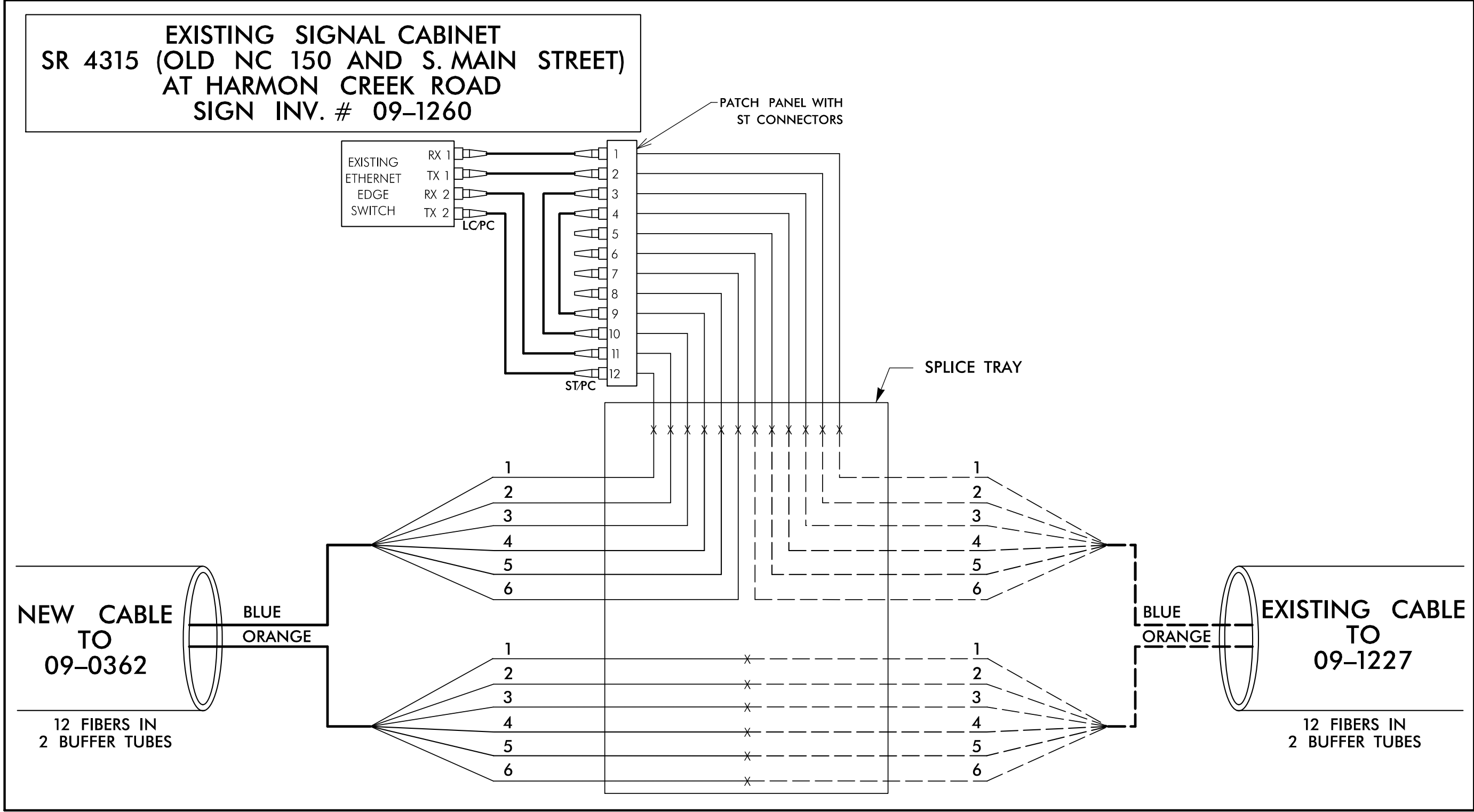
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Kevin Smith
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7/14/2025

SIGNATURE DATE

CADD Filename:



NOTES:

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Plans Prepared For: 750 N. Greenfield Pkwy., Garner, NC 27529 0 SCALE N/A	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 INIT. DATE	SEAL SEAL 030472 ENGINEER KEVIN W. SMITH DocuSigned by Kevin Smith 7/14/2025 SIGNATURE DATE CADD Filename: