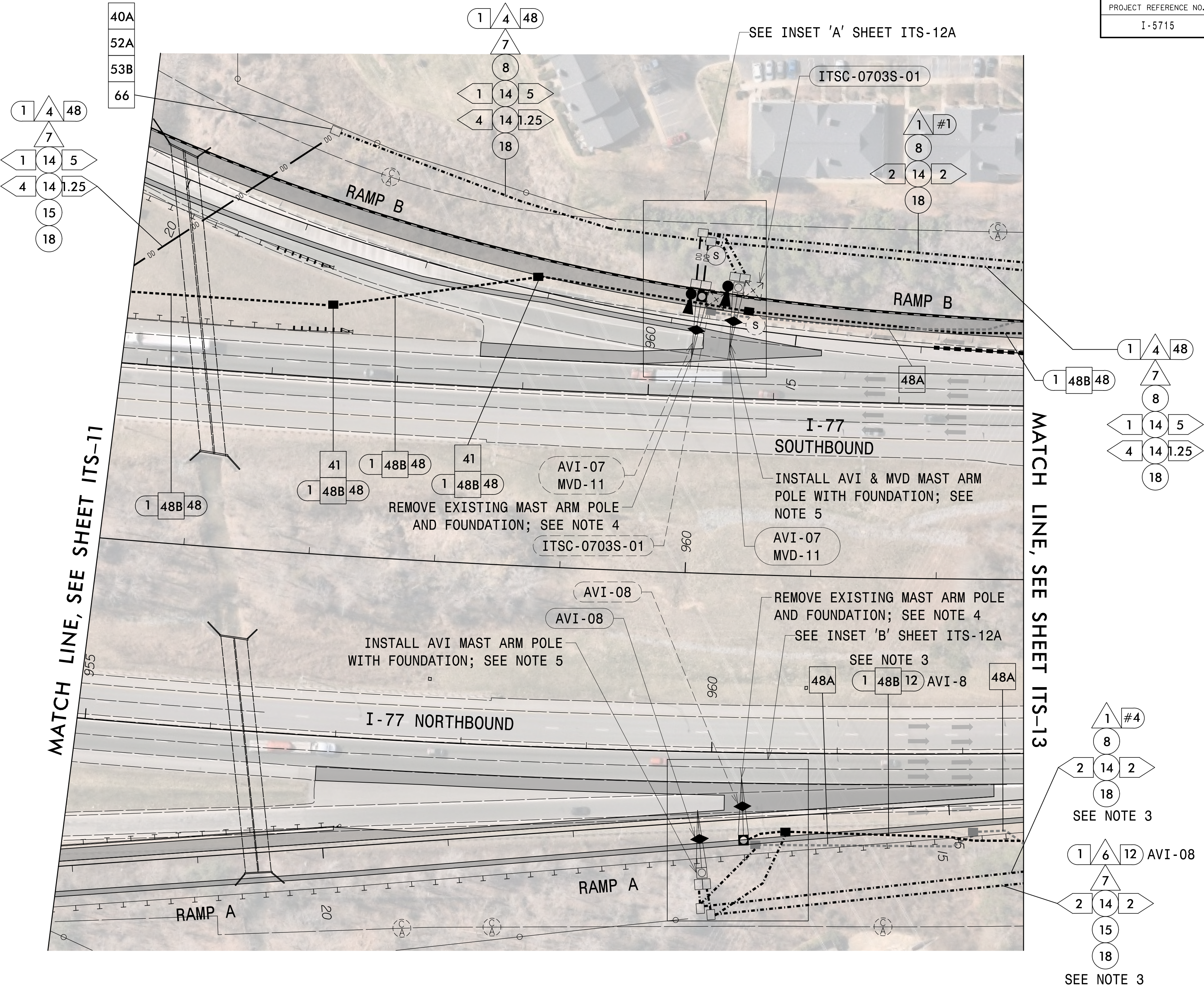


SPECIAL NOTE

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PROJECT REFERENCE NO.	SHEET NO.
I-5715	ITS-12



NOTES:

- 1) THE I-5715 CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING: FIBER-OPTIC CONDUIT AND CABLE INSTALLATION, SPLICING, AND TESTING, INCLUDING BOTH TRUNK-LINE FIBER AND DROP-CABLE CONNECTIONS; ELECTRICAL CONDUIT AND CONDUCTOR INSTALLATION; ELECTRICAL SERVICE MODIFICATION; ITS EQUIPMENT CABINET AND FIBER CONTROL BOX RELOCATION AND INSTALLATION; TRS EQUIPMENT CABINET AND BACKUP GENERATOR PAD INSTALLATION; TRS BACKUP GENERATOR RELOCATION; DESIGN AND INSTALLATION OF METAL SUPPORT STRUCTURES AND FOUNDATIONS; AND REMOVAL OF EXISTING FIBER-OPTIC CABLES, ELECTRICAL CONDUCTORS, AND METAL POLE SUPPORT STRUCTURES AND FOUNDATIONS.
- 2) I-77 MOBILITY PARTNERS IS RESPONSIBLE FOR THE FOLLOWING: RELOCATION OF EXISTING TOLLING DEVICES, INCLUDING AVI, MVD, AND CCTV CAMERAS; PROCUREMENT AND INSTALLATION OF NEW ITS DEVICES; PROCUREMENT AND PROGRAMMING OF CELL MODEMS FOR USE WITH TEMPORARY TOLLING DEVICES; AND CALLIBRATION, COMMISSIONING, AND ACCEPTANCE OF ALL TEMPORARY, RELOCATED, AND NEW TOLLING DEVICES.

3) EARLY WORKS

INSTALL JUNCTION BOXES, CONDUIT, FIBER-OPTIC CABLES, AND ELECTRICAL CONDUCTORS FOR RELOCATION OF TRUNK CABLES, DROP CABLES, AND REMOTE SITE CABLES TO BE IMPACTED BY CONSTRUCTION AS SHOWN ON PLANS. AFTER NEW TRUNK CABLES AND CONDUIT HAVE BEEN INSTALLED, PERFORM TRUNK LINE CUTOVER BETWEEN THE HOURS OF 10:00PM SATURDAY AND 6:00AM SUNDAY. COORDINATE WITH I-77 MP ON PRIORITY BUFFER TUBES FOR RESPLICING TO MINIMIZE IMPACTS TO I-77 MP SYSTEM DURING CUTOVER.

FOR NEW DROP CABLES/REMOTE SITE CABLES, TERMINATE IN EXISTING ITS EQUIPMENT CABINETS/FIBER CONTROL BOXES TO MATCH EXISTING CONDITIONS. COORDINATE WITH I-77 MP TO COMPLETE CALLIBRATION, COMMISSIONING, AND ACCEPTANCE.

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4) PHASE 1 NORTH, STEP 2

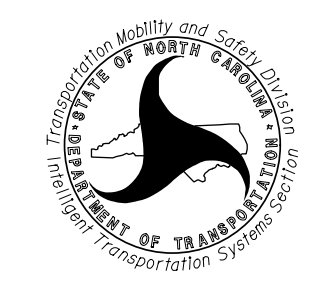
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5) PHASE 2 NORTH, STEP 6

UPON CONFIRMATION OF FINAL GRADE, INSTALL CONDUIT, JUNCTION BOXES, FIBER-OPTIC CABLES, AND ELECTRICAL CONDUCTORS AS SHOWN ON PLANS. INSTALL AVI-07/MVD-11 AND AVI-08 METAL POLE FOUNDATIONS AND SUPPORT STRUCTURES AS SHOWN ON PLANS. COORDINATE WITH I-77 MP FOR THE RELOCATION OF AVI-07/MVD-11 AND AVI-08 BY I-77 MP. RELOCATE THE EXISTING ITS EQUIPMENT CABINET AND FIBER CONTROL BOX AND ALL COMPONENTS TO THE NEW SITES. TERMINATE COMMUNICATIONS CABLES TO MATCH EXITING CONDITIONS. ROUTE COAXIAL AND POE CABLES FROM THE AVI AND MVD THROUGH THE EXISTING POLE RISERS/RACEWAYS TO THE RELOCATED ITS EQUIPMENT CABINET AND FIBER CONTROL BOX, AND TERMINATE TO MATCH EXISTING CONDITIONS. COORDINATE WITH I-77 MP TO COMPLETE CALLIBRATION, COMMISSIONING, AND ACCEPTANCE.

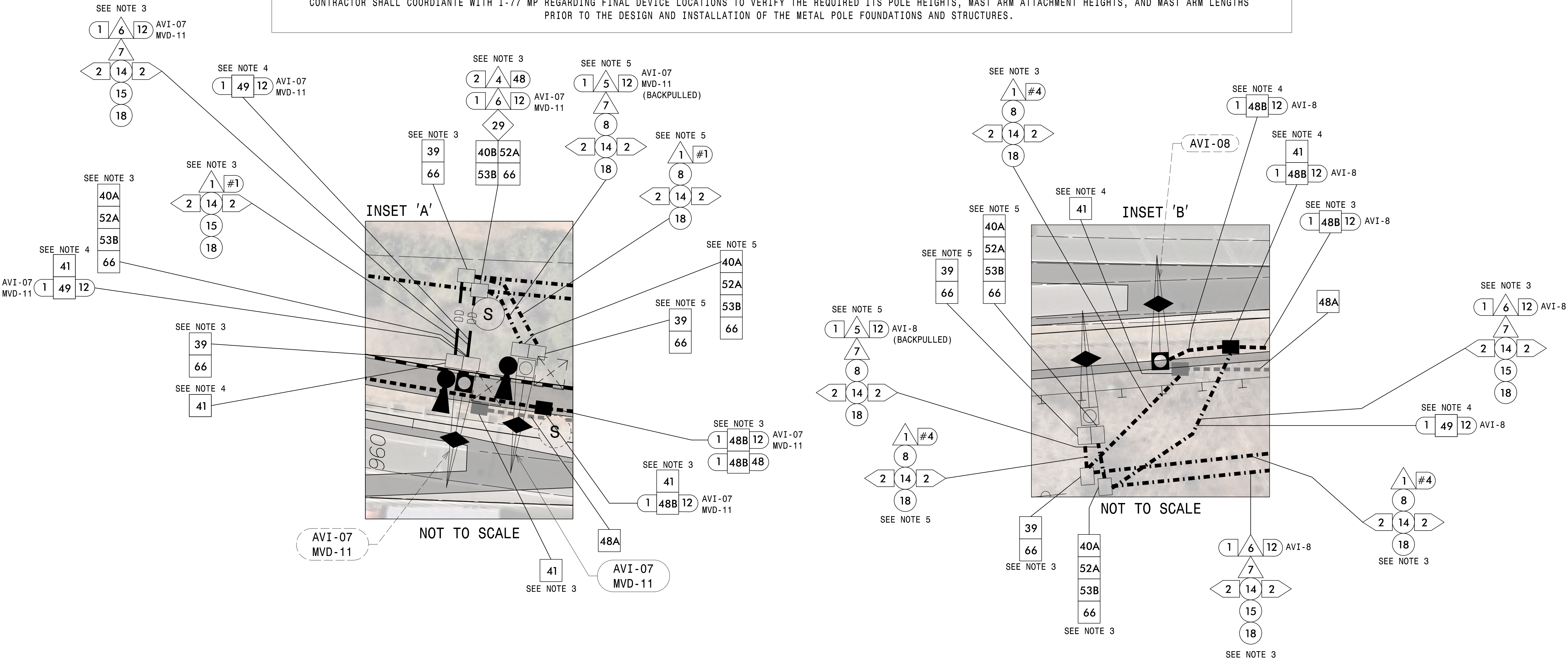
PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Prepared for the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529 SCALE 0 N/A	I-5715 Communications Cable and Conduit Routing Plan		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MOLLY C. BURKE-MCKENNA SEAL 058883 Signed by: <i>Molly Burke-Mckenna</i> SIGNATURE DATE CADD Filename:	
	Division 10	Mecklenburg		Huntersville
	PLAN DATE: March 2026	REVIEWED BY: MC Burke		
	PREPARED BY: SP Pennington	REVIEWED BY:		
	REVISIONS	INIT.	DATE	

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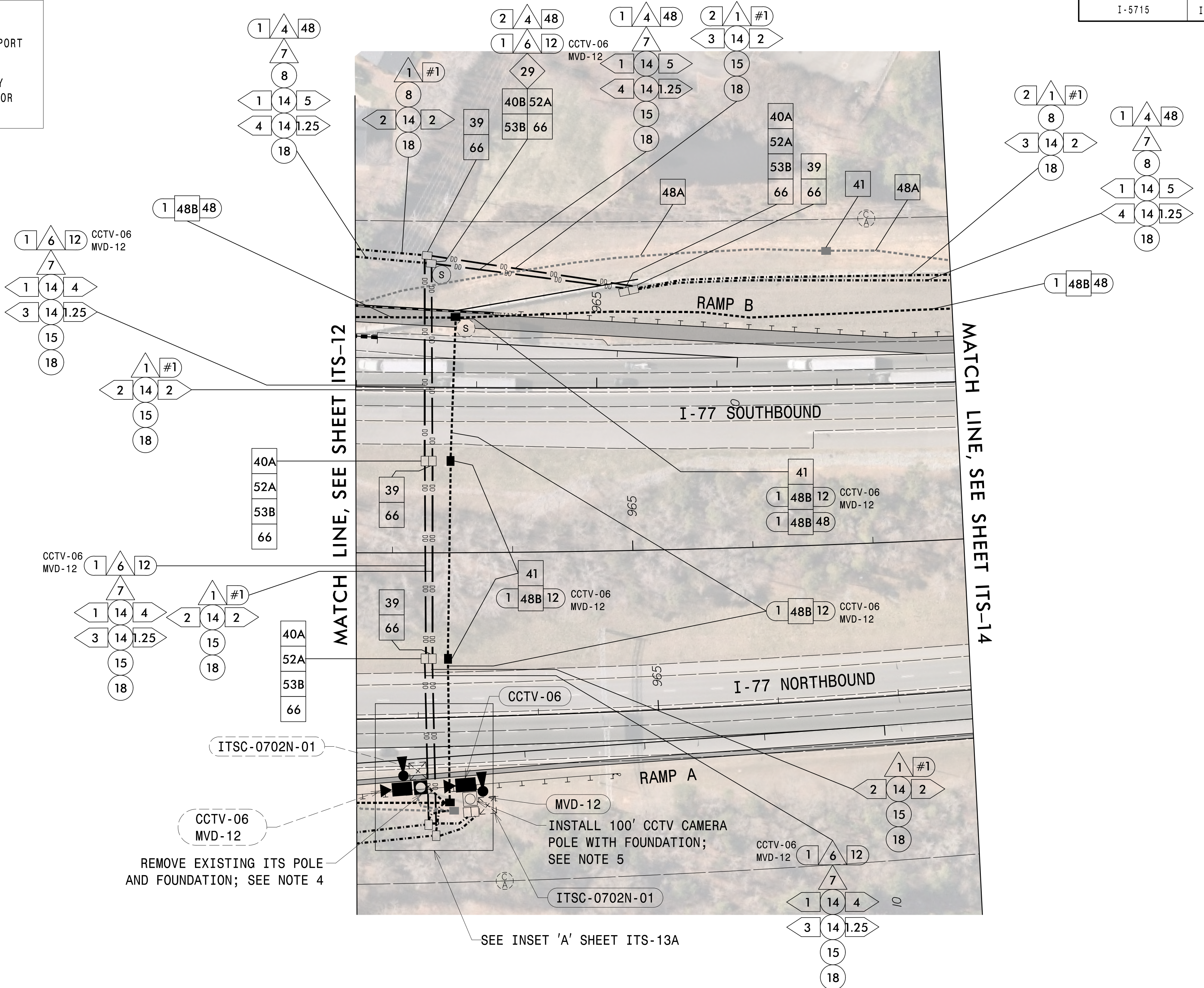
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PLANS PREPARED IN THE OFFICE OF:
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Raleigh, NC 27601
(919) 677-2000

Prepared for the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	I-5715 Communications Cable and Conduit Routing Plan		SEAL Signed by: <i>Molly Burke-McLaren</i> REGISTERED PROFESSIONAL ENGINEER SIGNATURE DATE CADD Filename:		
	Division 10	Mecklenburg		Huntersville	
	PLAN DATE:	March 2026		REVIEWED BY:	MC Burke
	PREPARED BY:	SP Pennington		REVIEWED BY:	
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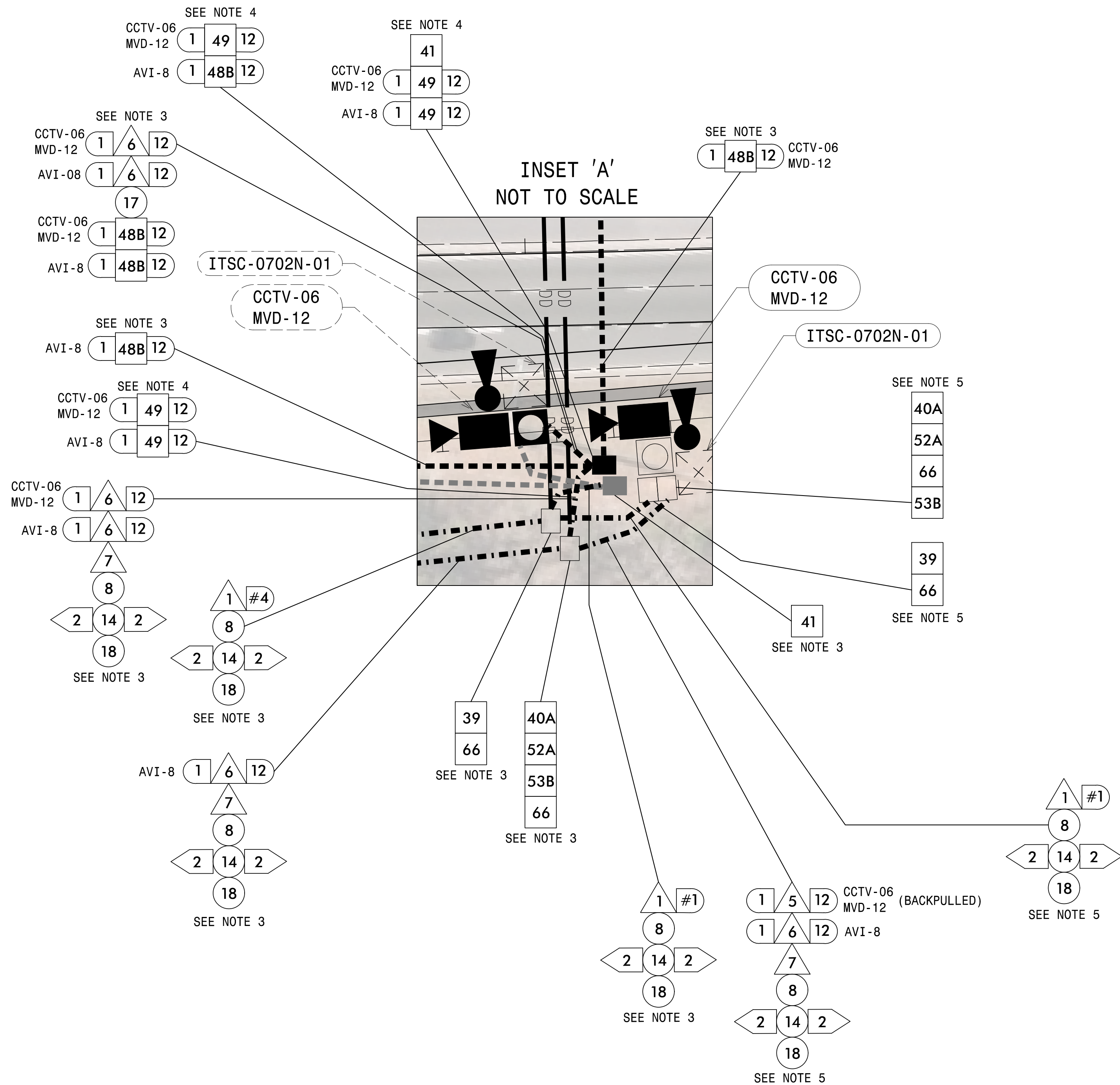


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		Division 10 Mecklenburg Huntersville			
		PLAN DATE: March 2026	REVIEWED BY: MC Burke		
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		REVISIONS		INIT.	DATE
SCALE 0 N/A 		Signs by: Molly Burke-McKinnon 26 STATE REGISTERED PROFESSIONAL ENGINEER SIGNATURE DATE			
		CADD Filename:			

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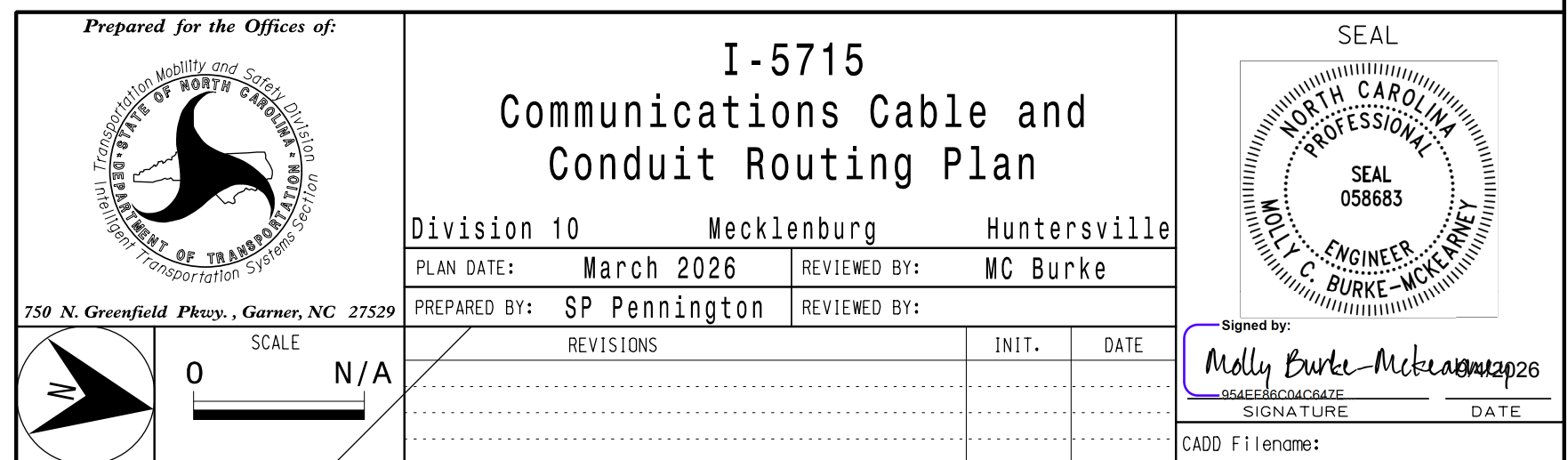
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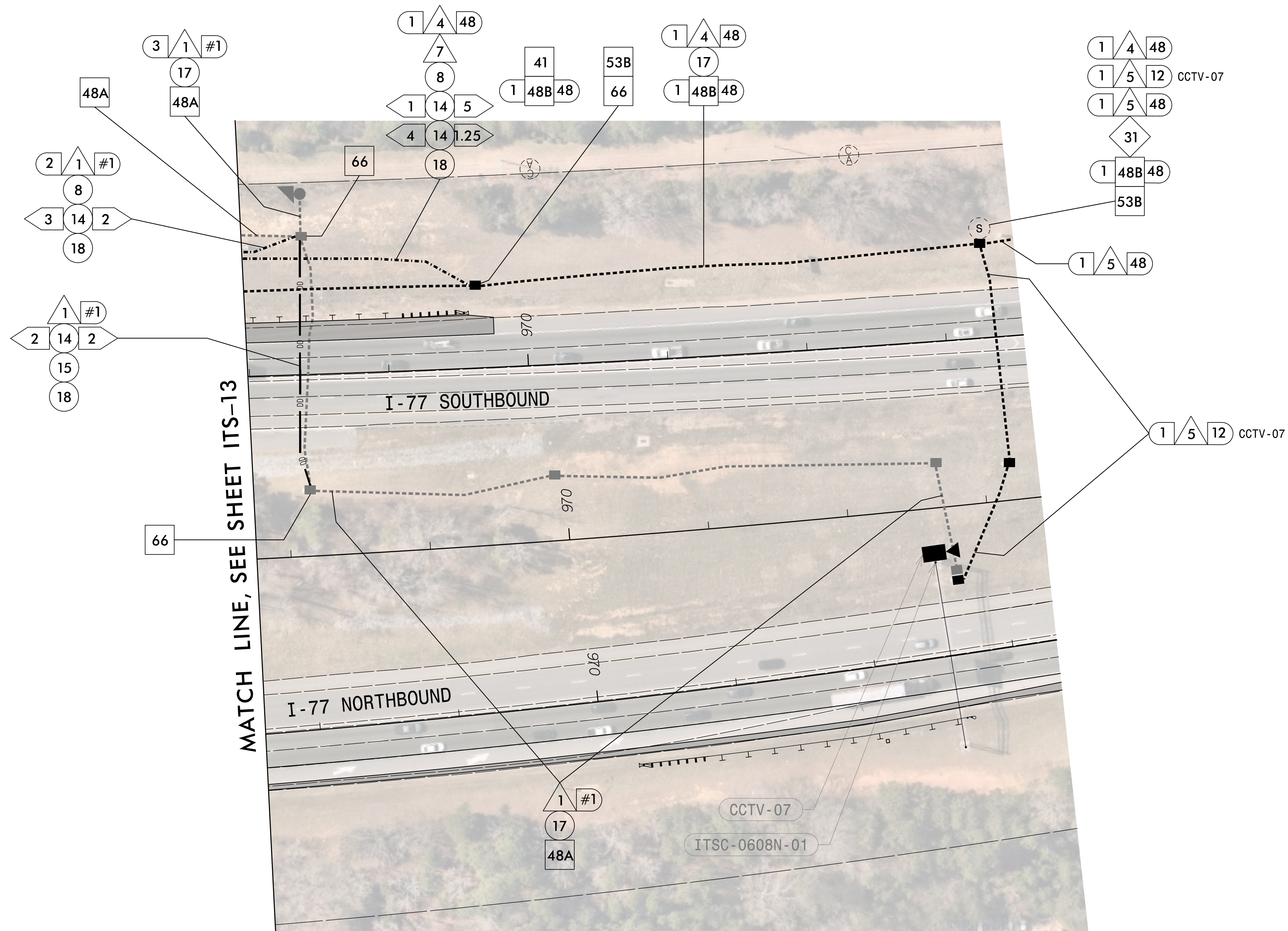
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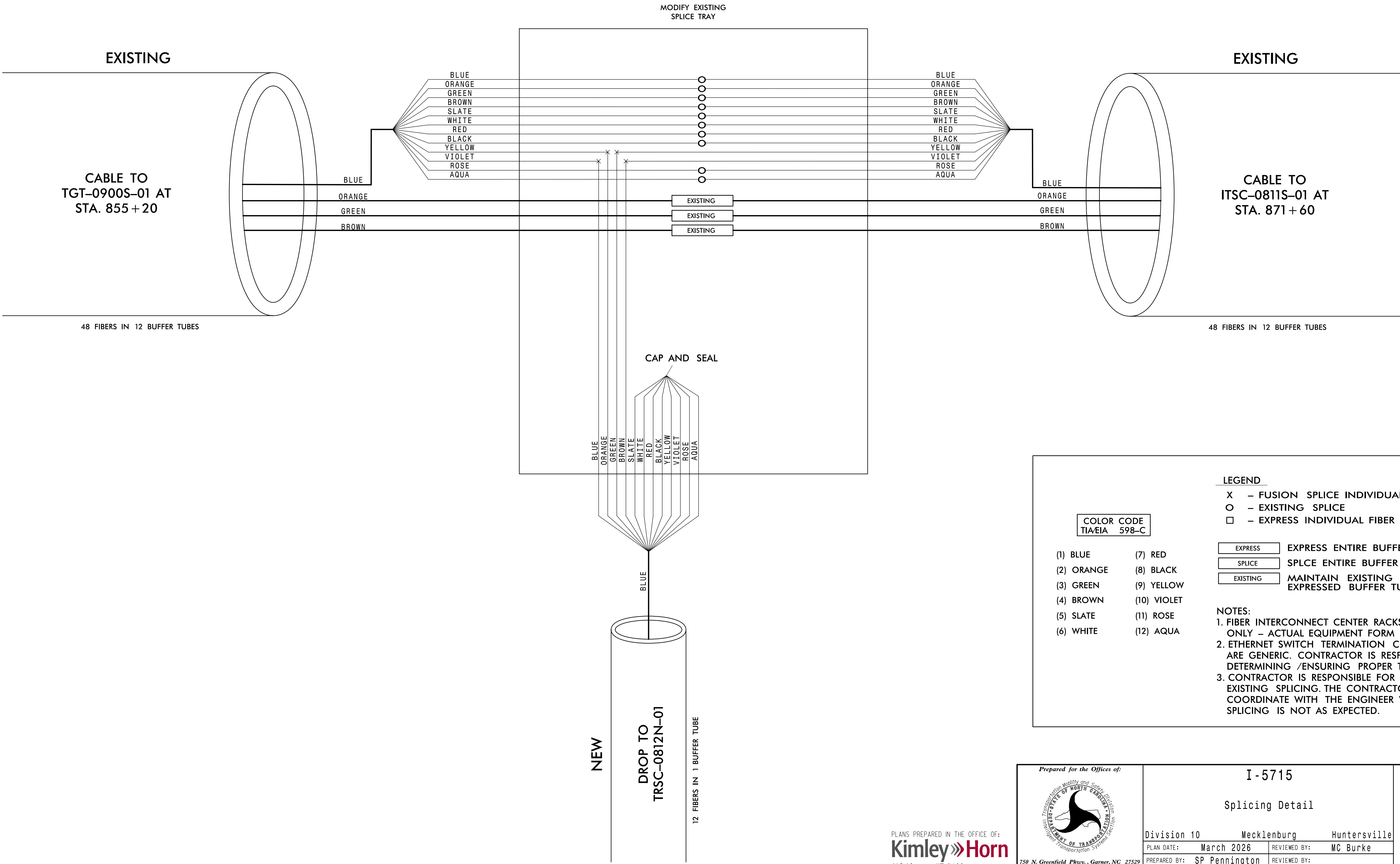
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Prepared for the Offices of:  North Carolina DEPARTMENT OF TRANSPORTATION Transportation Mobility and Safety Division 759 N. Greenfield Pkwy., Garner, NC 27529		I-5715 Communications Cable and Conduit Routing Plan		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 058683 MOLLY C. BURKE-MCKINNIS																																		
Division 10		Mecklenburg		Huntersville																																		
PLAN DATE: March 2026		REVIEWED BY: MC Burke																																				
PREPARED BY: SP Pennington		REVIEWED BY: _____																																				
SCALE  N/A		REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">REVISIONS</th> <th style="width: 20%;">INIT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISIONS	INIT.	DATE																															Signed by:  Molly Burke-McKinnis _____ SIGNATURE DATE _____ DATE	
REVISIONS	INIT.	DATE																																				
CADD Filename:		CADD Filename:																																				

MODIFY EXISTING UNDERGROUND SPLICE ENCLOSURE
AT STA. 865 + 60
TO TRSC-0812N-01



LEGEND

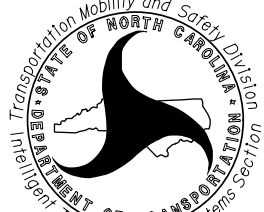
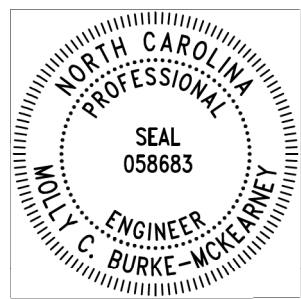
X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE
□ - EXPRESS INDIVIDUAL FIBER

COLOR CODE
TIA/EIA 598-C

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

EXPRESS - EXPRESS ENTIRE BUFFER TUBE
SPLICE - SPLICE ENTIRE BUFFER TUBE
EXISTING - MAINTAIN EXISTING SPLICED OR EXPRESSED BUFFER TUBE

NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.
2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPLICING. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPLICING IS NOT AS EXPECTED.

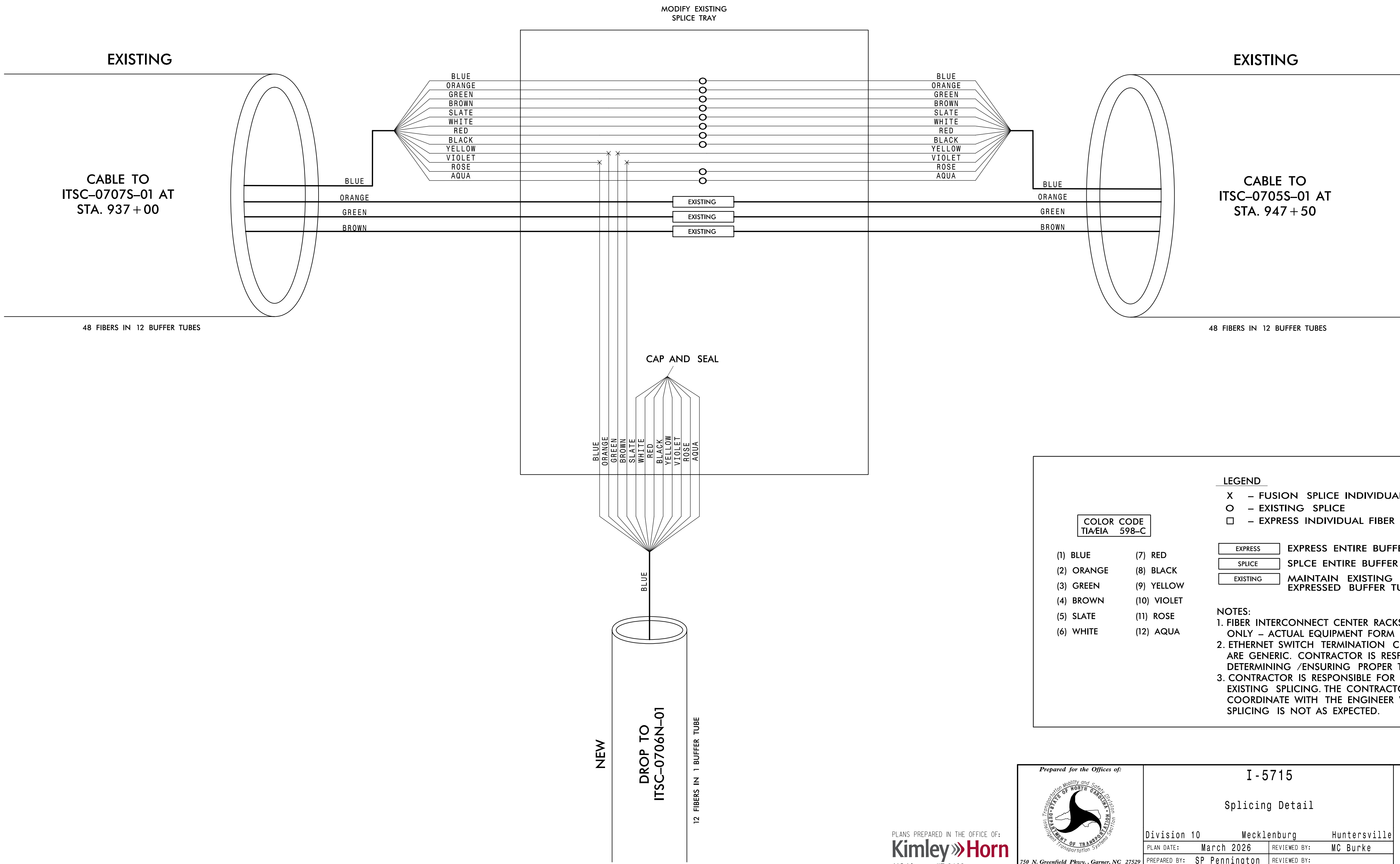
Prepared for the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529	I-5715 Splicing Detail		SEAL  Signed by: Molly C. Burke-McKenna
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	PLAN DATE: March 2026	REVIEWED BY: MC Burke	
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REVISIONS		INIT.	DATE
0 SCALE N/A			
CADD Filename:			

PLANS PREPARED IN THE OFFICE OF:

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421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

MODIFY EXISTING UNDERGROUND SPLICE ENCLOSURE
AT STA. 938+30
TO ITSC-0706N-01



- | |
|---------------|
| COLOR CODE |
| TIA/EIA 598-C |

- | | |
|------------|-------------|
| (1) BLUE | (7) RED |
| (2) ORANGE | (8) BLACK |
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- | | |
|----------|---|
| EXPRESS | EXPRESS ENTIRE BUFFER TUBE |
| SPLICE | SPLCE ENTIRE BUFFER TUBE |
| EXISTING | MAINTAIN EXISTING SPLICED OR
EXPRESSED BUFFER TUBE |

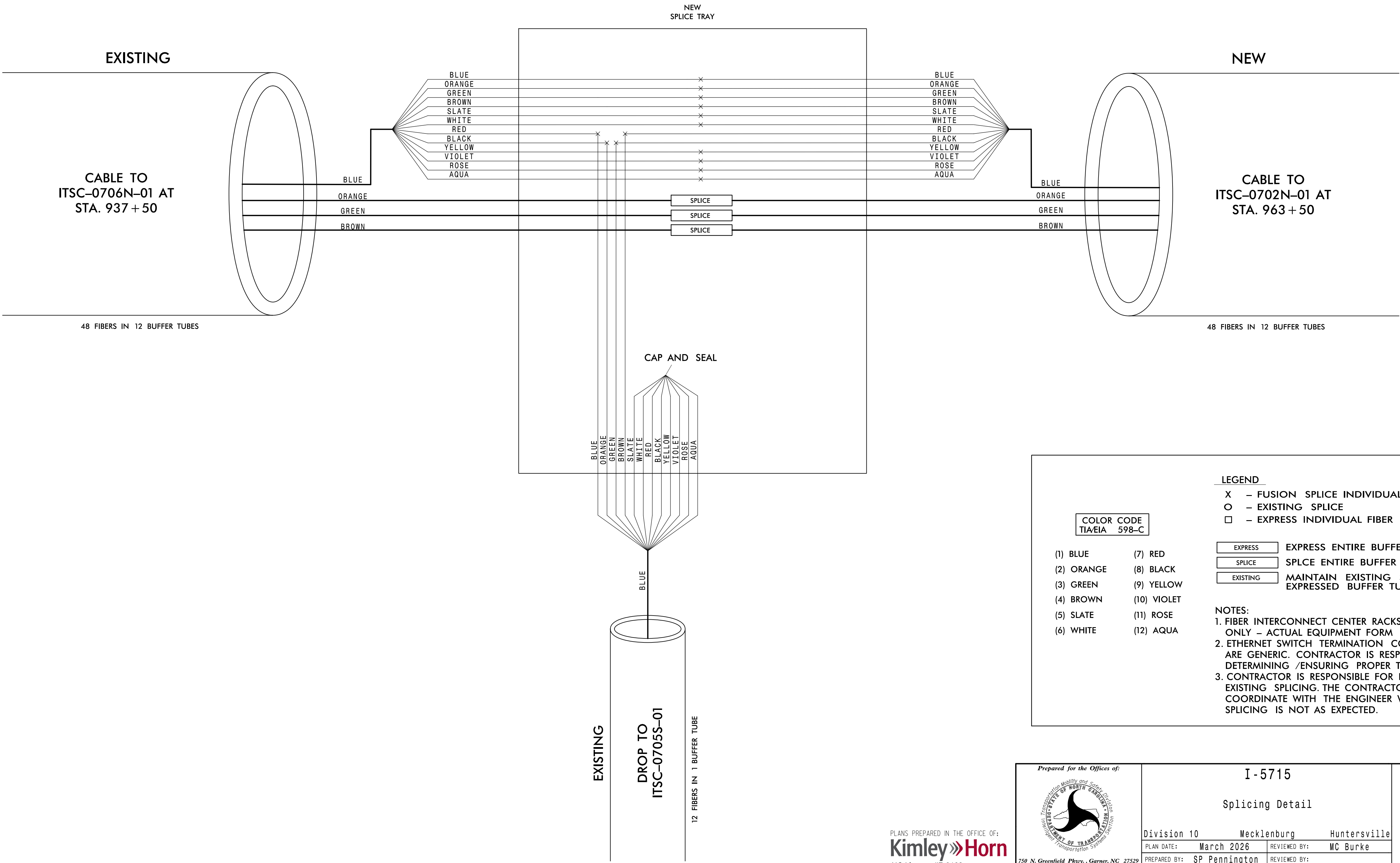
NOTES:

1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.
2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPLICING. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPLICING IS NOT AS EXPECTED.

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Prepared for the Offices of:  I-5715 Splicing Detail		SEAL 
Division 10 Mecklenburg Huntersville		
PLANNED DATE: March 2026	REVIEWED BY: MC Burke	
PREPARED BY: SP Pennington	REVIEWED BY:	
SCALE 0 N/A 		Signed by:  Molly Burke-McKinnney DATE: 03/06/26 SIGNATURE DATE CADD Filename:

MODIFY EXISTING UNDERGROUND SPLICE ENCLOSURE
AT STA. 947 + 50
TO ITSC-0705S-01



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

EXPRESS

SPLICE

EXISTING

EXPRESS ENTIRE BUFFER TUBE

SPLCE ENTIRE BUFFER TUBE

MAINTAIN EXISTING SPLICED OR EXPRESSED BUFFER TUBE

LEGEND

X - FUSION SPLICE INDIVIDUAL FIBER

O - EXISTING SPLICE

□ - EXPRESS INDIVIDUAL FIBER

NOTES:

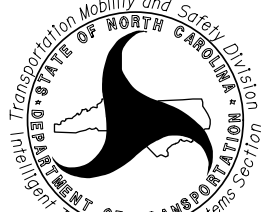
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Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Prepared for the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

Division 10

Mecklenburg

Huntersville

PLAN DATE: March 2026

REVIEWED BY: MC Burke

PREPARED BY: SP Pennington

REVIEWED BY:

REVISIONS

INIT.

DATE

0

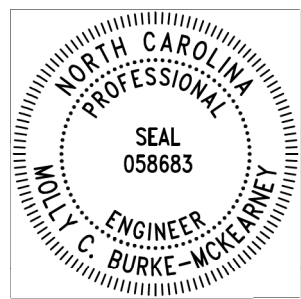
SCALE

N/A

I-5715

Splicing Detail

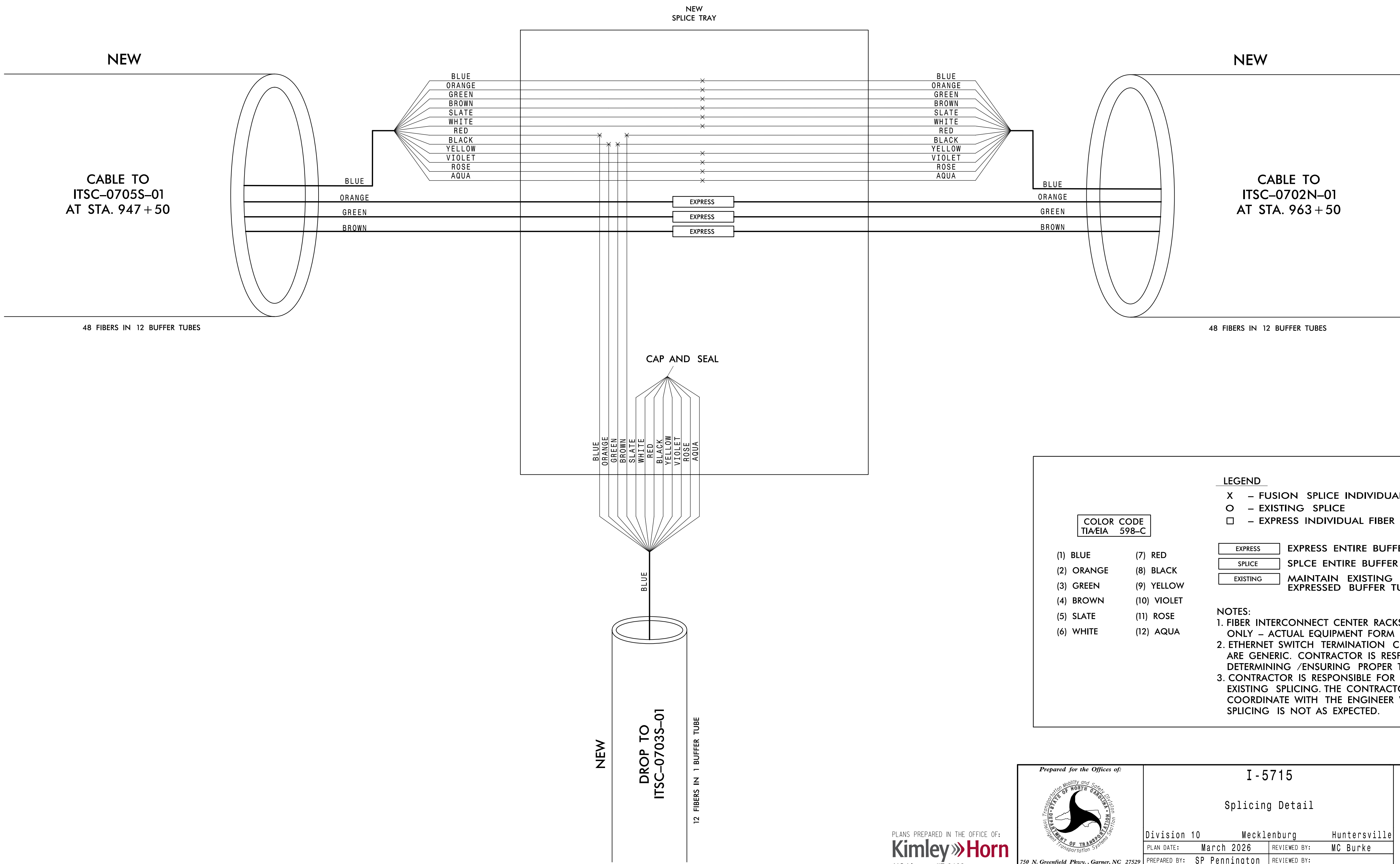
SEAL



Signed by:
Molly C. Burke-McKinnis
DATE

CADD Filename:

NEW UNDERGROUND SPLICE ENCLOSURE
AT STA. 960+40
TO ITSC-0703S-01



- | |
|---------------|
| COLOR CODE |
| TIA/EIA 598-C |

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

LEGEND

- X – FUSION SPLICE INDIVIDUAL FIBER
O – EXISTING SPLICE
□ – EXPRESS INDIVIDUAL FIBER

- | | |
|----------|---|
| EXPRESS | EXPRESS ENTIRE BUFFER TUBE |
| SPLICE | SPLCE ENTIRE BUFFER TUBE |
| EXISTING | MAINTAIN EXISTING SPLICED OR
EXPRESSED BUFFER TUBE |

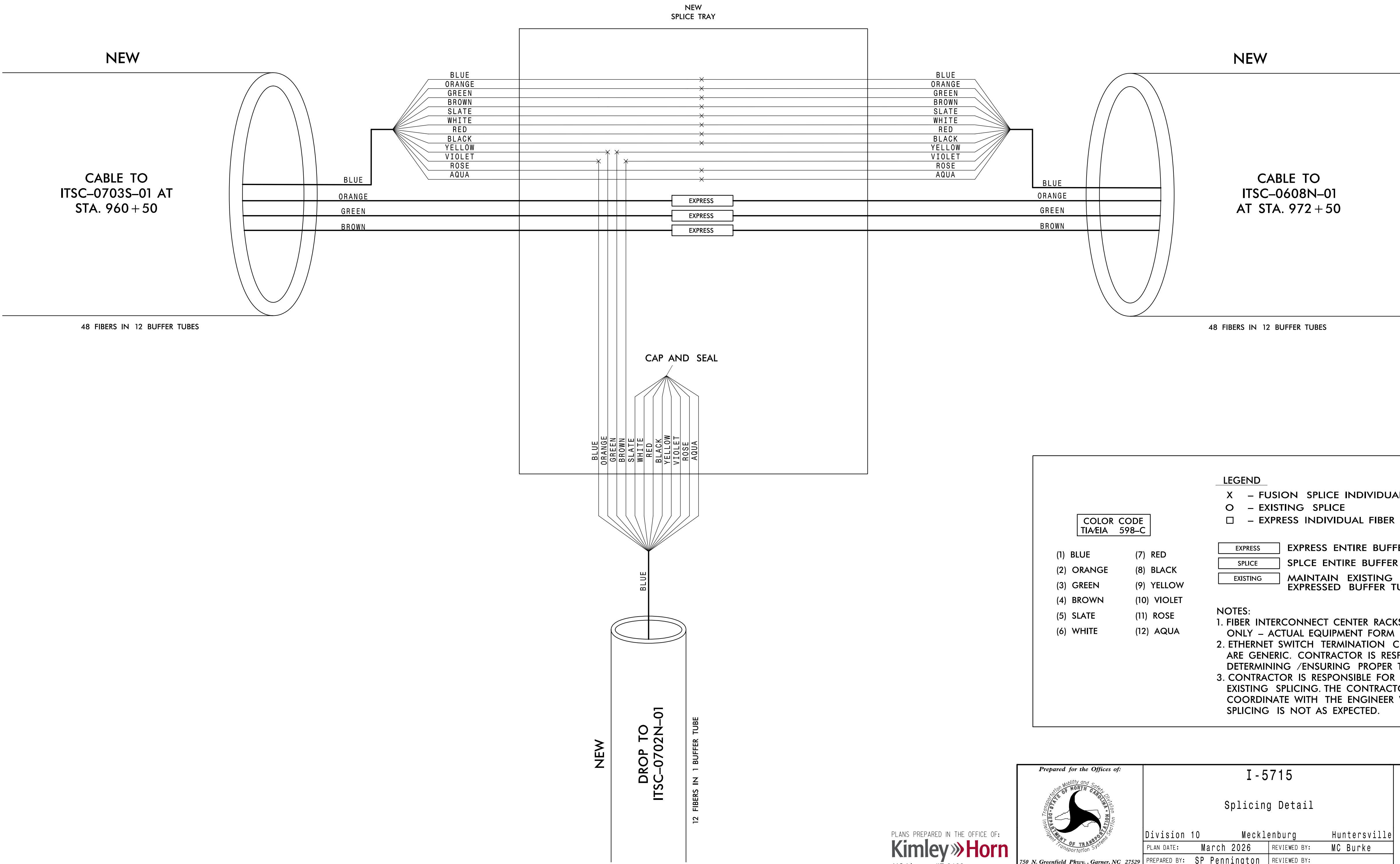
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PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
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Raleigh, NC 27601
(919) 677-2000

<i>Prepared for the Offices of:</i> 		I-5715 Splicing Detail		SEAL 	
Division 10 Mecklenburg Huntersville		PLANNED DATE: March 2026 REVIEWED BY: MC Burke			
PREPARED BY: SP Pennington REVIEWED BY:					
750 N. Greenfield Pkwy., Garner, NC 27529		REVISIONS		INIT. DATE	
SCALE O N/A		DATE		Signed by:  MOBILE ENGINEER STATE OF NORTH CAROLINA SIGNATURE DATE	
CADD Filename:		CADD Filename:		CADD Filename:	

NEW UNDERGROUND SPLICE ENCLOSURE
AT STA. 963 + 50
TO ITSC-0702N-01



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

EXPRESS

SPLICE

EXISTING

EXPRESS ENTIRE BUFFER TUBE

SPLCE ENTIRE BUFFER TUBE

MAINTAIN EXISTING SPLICED OR EXPRESSED BUFFER TUBE

LEGEND

X - FUSION SPLICE INDIVIDUAL FIBER

O - EXISTING SPLICE

□ - EXPRESS INDIVIDUAL FIBER

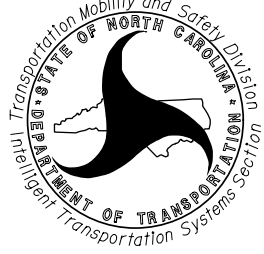
NOTES:

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PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
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(919) 677-2000

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

I-5715

Splicing Detail

Division 10 Mecklenburg Huntersville

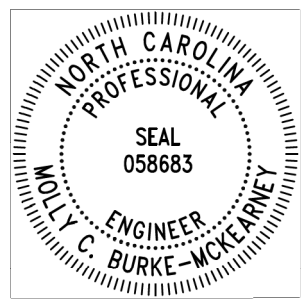
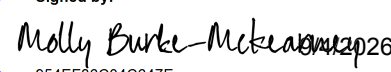
PLAN DATE: March 2026 REVIEWED BY: MC Burke

PREPARED BY: SP Pennington REVIEWED BY:

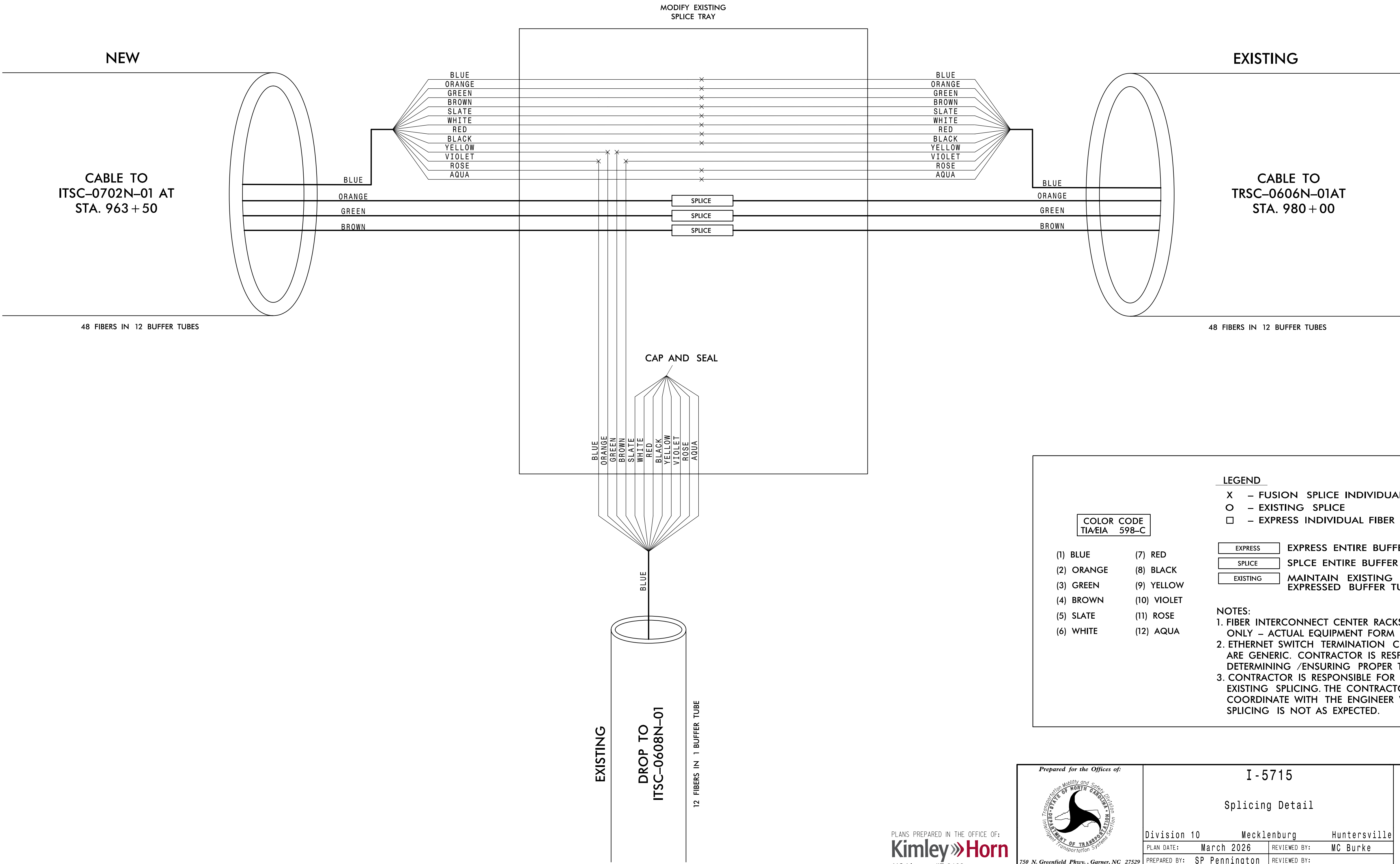
REVISIONS

INIT. DATE

SEAL


Signed by:

MOLLY C. BURKE-MCKINNIS
SIGNATURE DATE
CADD Filename:

MODIFY EXISTING UNDERGROUND SPLICE ENCLOSURE
AT STA. 973+10
TO ITSC-0608N-01



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

EXISTING

EXPRESS ENTIRE BUFFER TUBE

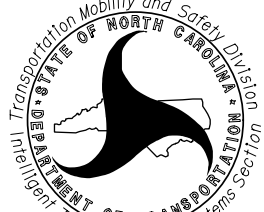
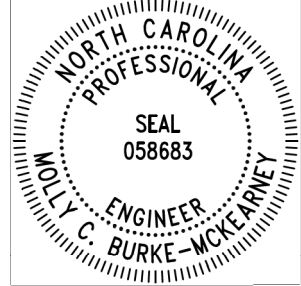
SPLICE ENTIRE BUFFER TUBE

MAINTAIN EXISTING SPLICED OR EXPRESSED BUFFER TUBE

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9/4/2026 12:10:59 PM Israel, Mantley K:\CHL_PRJ\4011036264 - I-5715\651\gna\se65A - ITS\ITS-15F (Splicing Detail) 61.dgn

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Prepared for the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529		I-5715 Splicing Detail		SEAL 	
Division 10 Mecklenburg Huntersville		PLAN DATE: March 2026		REVIEWED BY: MC Burke	
PREPARED BY: SP Pennington		REVIEWED BY:		SIGNED BY: Molly Burke-McKenna	
REVISIONS		INIT.		DATE	
0 N/A					
SCALE				SIGNATURE	
				DATE	
				CADD Filename:	