

- 1

INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
- 2

INSTALL COAX CABLE
- 3

INSTALL ETHERNET CABLE
- 4

INSTALL SMFO CABLE
- 5

INSTALL MMFO CABLE
- 6

INSTALL FIBER OPTIC DROP CABLE
- 7

INSTALL TRACER WIRE
- 8

TRENCH
- 9

INSTALL PVC CONDUIT
- 10

INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 11

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 12

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
- 13

INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
- 14

INSTALL POLYETHYLENE CONDUIT
- 15

DIRECTIONAL DRILL CONDUIT
- 16

BORE AND JACK CONDUIT
- 17

INSTALL CABLE(S) IN EXISTING CONDUIT
- 18

INSTALL CABLE(S) IN NEW CONDUIT
- 19

INSTALL CABLE(S) IN EXISTING RISER
- 20

INSTALL CABLE(S) IN NEW RISER
- 21

INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
- 22

INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 23

INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 24

INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
- 25

INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
- 26

MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE
- 27

INSTALL NEW ETHERNET EDGE SWITCH
- 28

INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET
- 29

INSTALL UNDERGROUND SPLICE ENCLOSURE
- 30

INSTALL AERIAL SPLICE ENCLOSURE
- 31

INSTALL POLE MOUNTED SPLICE CABINET
- 32

INSTALL BASE MOUNTED SPLICE CABINET
- 33

REMOVE EXISTING SPLICE CABINET

- 34

INSTALL CABINET FOUNDATION
- 35

REMOVE EXISTING CABINET FOUNDATION
- 36

INSTALL CCTV CAMERA ASSEMBLY
- 37

INSTALL CCTV CAMERA WOOD POLE
- 38

INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 39

INSTALL JUNCTION BOX
- 40A

INSTALL OVERSIZED JUNCTION BOX
- 40B

INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" X 24" X 24")
- 41

REMOVE EXISTING JUNCTION BOX
- 42

INSTALL WOOD POLE
- 43

REMOVE EXISTING WOOD POLE
- 44

INSTALL AERIAL GUY ASSEMBLY
- 45

INSTALL STANDARD GUY ASSEMBLY
- 46

INSTALL SIDEWALK GUY ASSEMBLY
- 47

INSTALL MESSENGER CABLE
- 48

REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE
- 49

REMOVE EXISTING MESSENGER CABLE
- 50

INSTALL TELEPHONE SERVICE
- 51

INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
- 52A

INSTALL DELINEATOR MARKER
- 52B

INSTALL JUNCTION BOX MARKER
- 53

STORE 50 FEET OF COMMUNICATIONS CABLE
- 54

LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
- 55

LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 56

LASH CABLE(S) TO NEW MESSENGER CABLE
- 57

MODIFY EXISTING ELECTRICAL SERVICE
- 58

INSTALL NEW ELECTRICAL SERVICE
- 59

INSTALL NEW FIELD ETHERNET SWITCH
- 60

BOND TRACER WIRE TO EQUIPMENT GROUND BUS
- 61

DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
- 62

BOND RISER AND MESSENGER CABLE TO POLE GROUND

ATTACHMENT POINT:

- XX"/SS

YYY

DISTANCE ABOVE (IN)/ATTACHMENT POINT REFERENCE POINT
- YYY

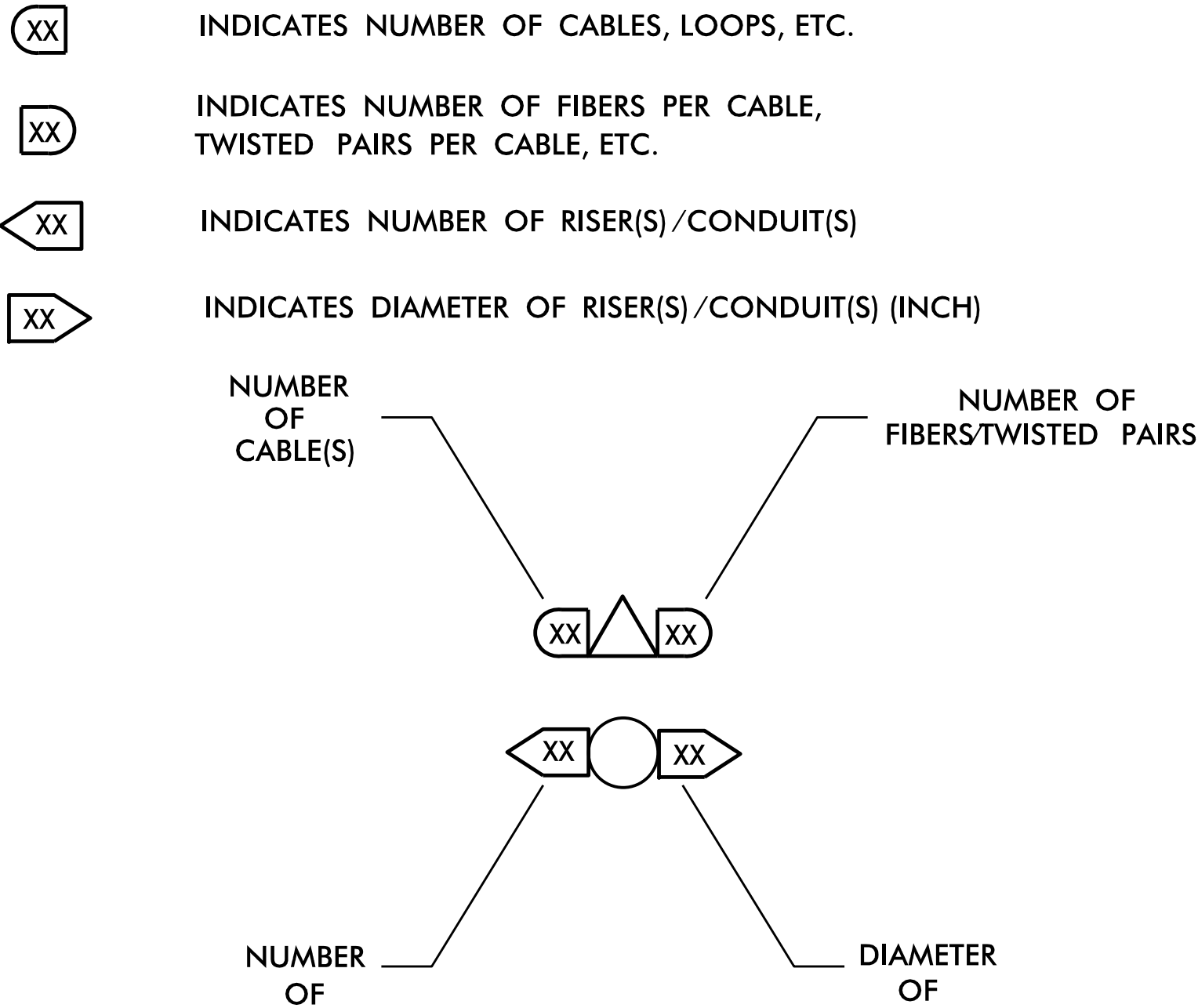
XX"/SS

REFERENCE POINT DISTANCE BELOW (IN)/ATTACHMENT POINT

"SS" REFERENCE LOCATION
FS = FRONT SIDE OF POLE
BS = BACK SIDE OF POLE

LEGEND	
	NEW FIBER OPTIC COMMUNICATIONS CABLE
	NEW TWISTED PAIR COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
	NEW AERIAL GUY ASSEMBLY
	NEW CONDUIT
	EXISTING CONDUIT
	NEW DIRECTIONAL DRILLED CONDUIT
	NEW BORED AND JACKED CONDUIT
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	NEW WOOD POLE
	EXISTING WOOD POLE
	NEW UNDERGROUND SPLICE ENCLOSURE
	AERIAL SPLICE ENCLOSURE
	NEW METAL POLE
	EXISTING METAL POLE
	NEW CCTV ASSEMBLY
	NEW STANDARD GUY ASSEMBLY
	NEW SIDEWALK GUY ASSEMBLY
	NEW CABLE STORAGE RACKS (SNOW SHOES)
	EXISTING CABLE STORAGE RACK (SNOW SHOES)
	EXISTING CONTROLLER AND CABINET
	EXISTING GATEWAY CONTROLLER AND CABINET
	EXISTING SPLICE CABINET
	NEW SPLICE CABINET
	SIGNAL POLE
	SIGNAL INVENTORY NUMBER

CONSTRUCTION NOTE SYMBOLOGY KEY



Plans Prepared By:

DRMP, Inc.

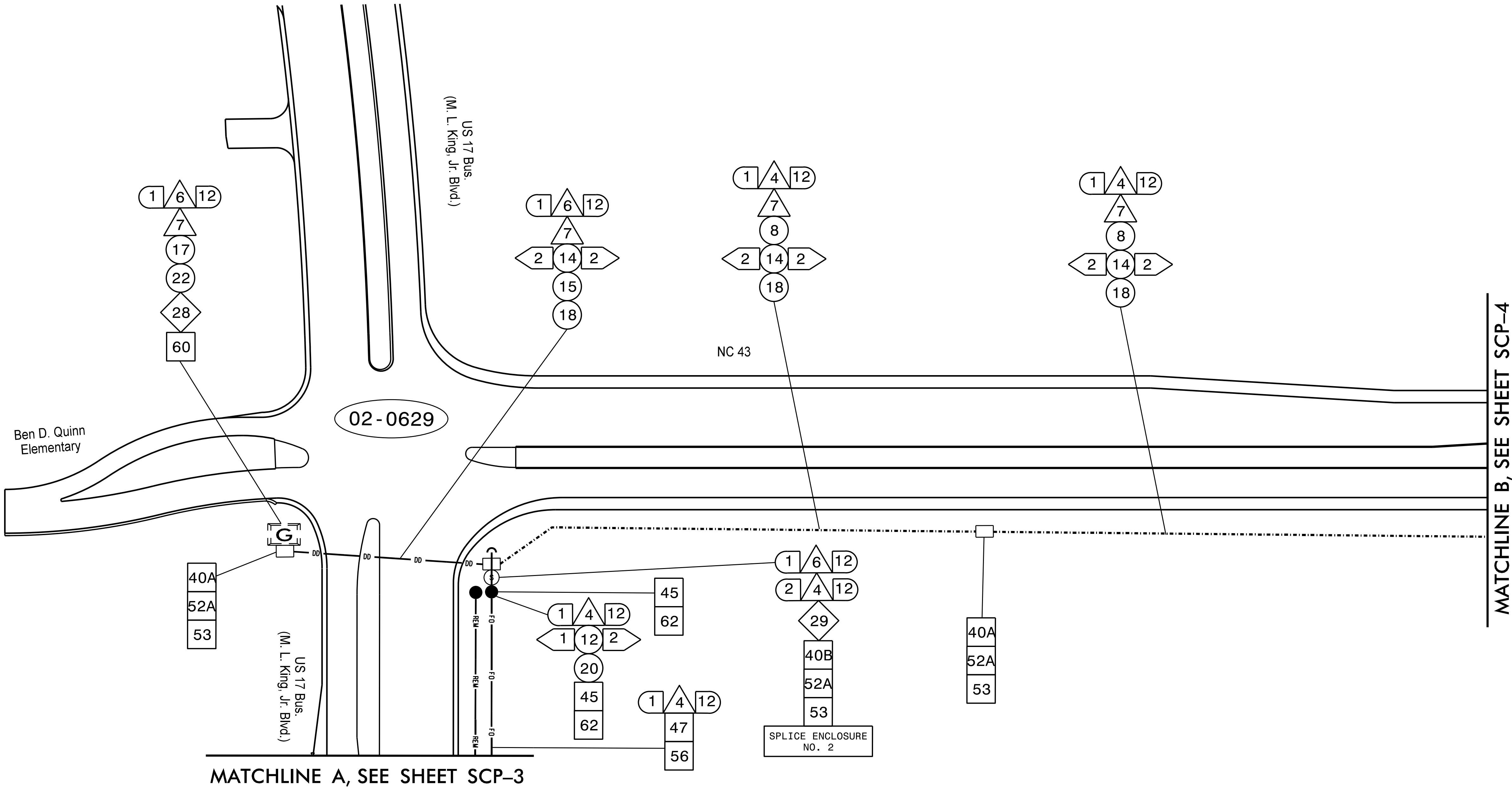
8210 University Executive Park Dr, Suite 220

Charlotte, NC 28262

NC License No. F-1526 (TSA) 549-4260

<div>Prepared For:</div> <div></div> <div>250 N. Greenfield Place, Garner, NC 27529</div>	<div>D02-15_New Bern Cable Routing Plans</div> <div>Division 2 Craven County New Bern</div> <div>PLAN DATE: April 2025 REVIEWED BY: BN Groome</div> <div>PREPARED BY: DS Griffith RKA PROJ. NO.: 17359 (041)</div> <div>REVISIONS</div> <div>INIT. DATE</div>	<div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div> <div>SEAL</div> <div></div> <div>Signed by: <u>Brittany N. Groome</u> 4/24/2025</div> <div>DATE</div>
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PROJECT REFERENCE NO.	SHEET NO.
R-4463A	SCP-2



NOTES:

- 1) NOTIFY THE DIVISION TRAFFIC ENGINEER AT (252)439-2829 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL 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) PRIOR TO CUTTING AND REMOVING ANY EXISTING FIBER OPTIC CABLE, INSTALL A NEW 12-FIBER TRUNK CABLE BETWEEN THE NEW SPLICE ENCLOSURE ON SCP-3 AND THE NEW SPLICE ENCLOSURE ON SCP-2. ENSURE THE NEW 12-FIBER TRUNK LINE AND THE 12-FIBER DROP CABLE TO 02-0629 ARE INSTALLED, SPLICED AND OPERATIONAL.
- 4) RELOCATE EXISTING FIELD ETHERNET SWITCH AND MODEM TO NEW SIGNAL CABINET WHEN INSTALLED IN TMP PHASE 1, STEP 1.
- 5) ATTACH THE FIBER OPTIC CABLE AT A HEIGHT OF 28' ON THE NEW POLES.

4/23/2025  
User: k.jones  
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Plans Prepared By:

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Prepared For:

**Division of Transportation**  
North Carolina Department of Transportation

750 N. Greenfield Place, Garner, NC 27529

SCALE  
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**D02-15 New Bern  
Cable Routing Plans**

Division 2 Craven County New Bern

PLAN DATE: April 2025 REVIEWED BY: BN Groome

PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)

REVISIONS	INIT.	DATE

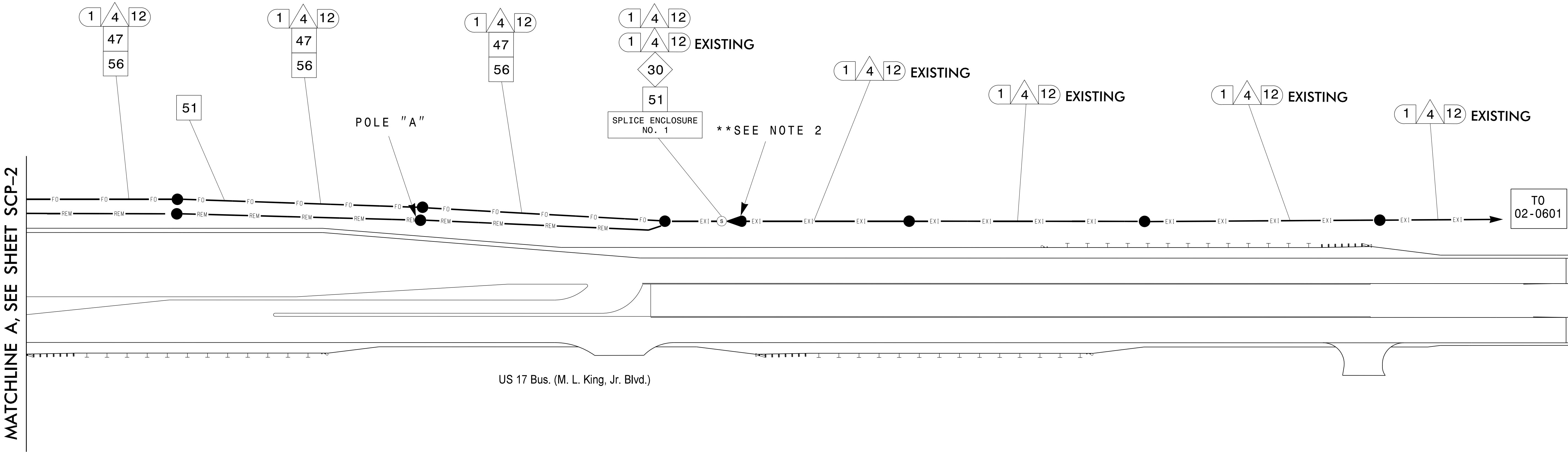
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ENGINEER  
BRITTANY N GROOME

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*Brittany N Groome* 4/24/2025  
DATE





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- 2) BACKPULL EXISTING FIBER FROM POLE "A" TO NEW AERIAL SPLICE ENCLOSURE. WRAP EXISTING SLACK FIBER AROUND SNOW SHOE AS SHOWN.
- 3) PRIOR TO CUTTING AND REMOVING ANY EXISTING FIBER OPTIC CABLE, INSTALL A NEW 12-FIBER TRUNK CABLE BETWEEN THE NEW SPLICE ENCLOSURE ON SCP-3 AND THE NEW SPLICE ENCLOSURE ON SCP-2. ENSURE THE NEW 12-FIBER TRUNK LINE AND THE 12-FIBER DROP CABLE TO 02-0629 ARE INSTALLED, SPLICED AND OPERATIONAL.
- 4) ATTACH THE FIBER OPTIC CABLE AT A HEIGHT OF 28' ON THE NEW POLES.

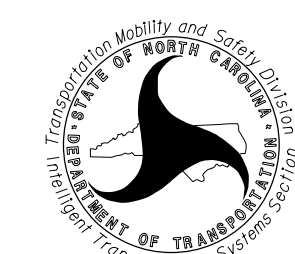
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K-Jones AT CHA-K-JONES

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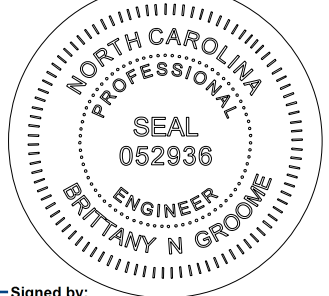


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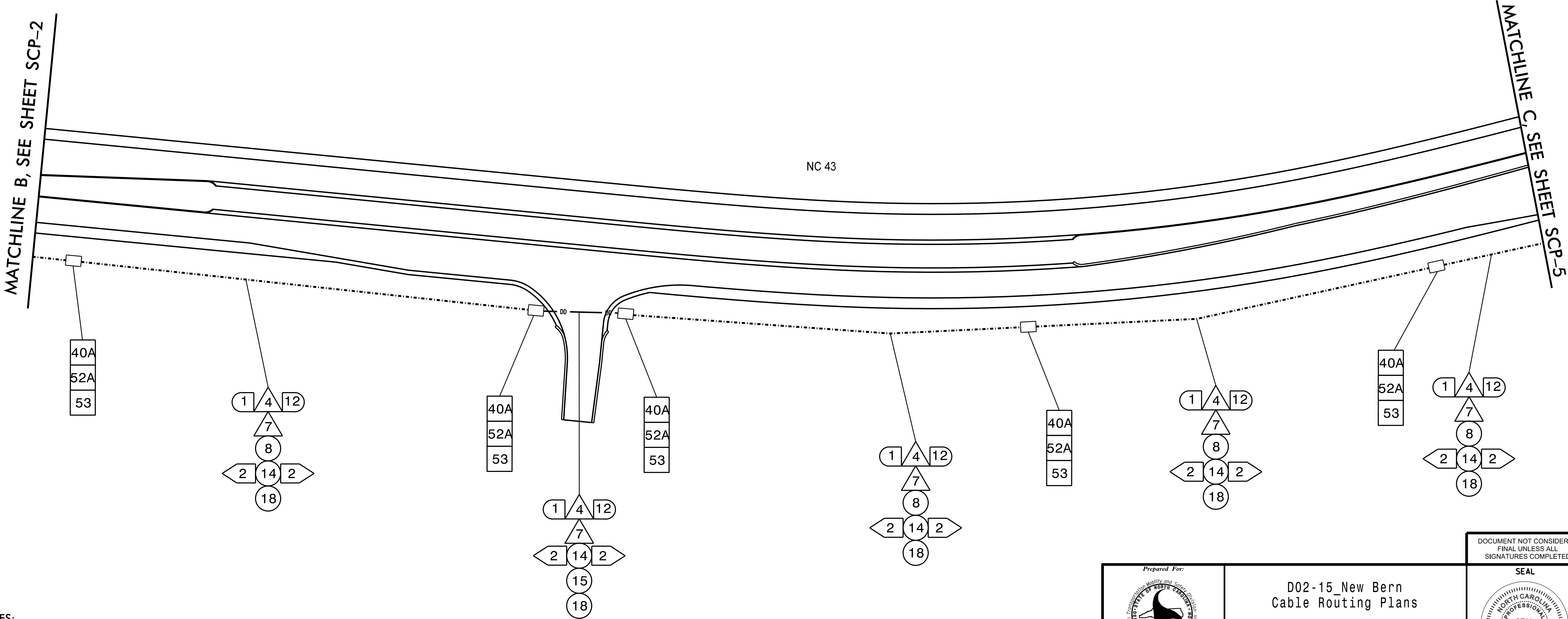
D02-15 New Bern Cable Routing Plans			
Division 2		Craven County	
PLAN DATE: April 2025		REVIEWED BY: BN Groome	
PREPARED BY: DS Griffith		DRMP PROJ. NO: 17359 (041)	
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1E09340E168484 DATE



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User: jgn

NOTES:

1) NOTIFY THE DIVISION TRAFFIC ENGINEER AT (252)439-2829 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.

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Prepared For:



750 N. Greenfield Place, Garner, NC 27529



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D02-15 New Bern  
Cable Routing Plans

Division 2 Craven County New Bern

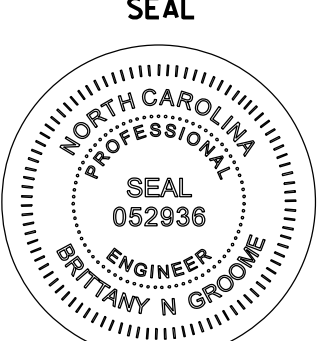
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PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)

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*Brittany N. Groome* 4/24/2025  
DATE



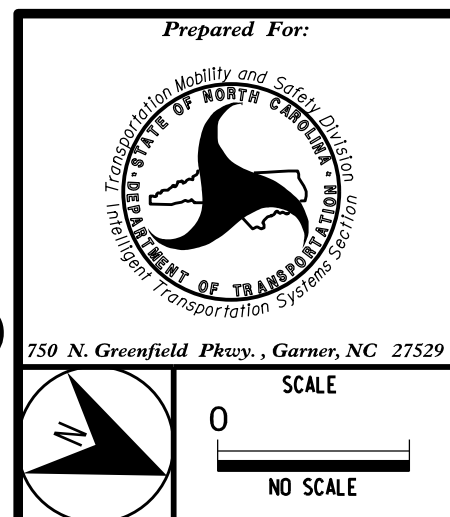
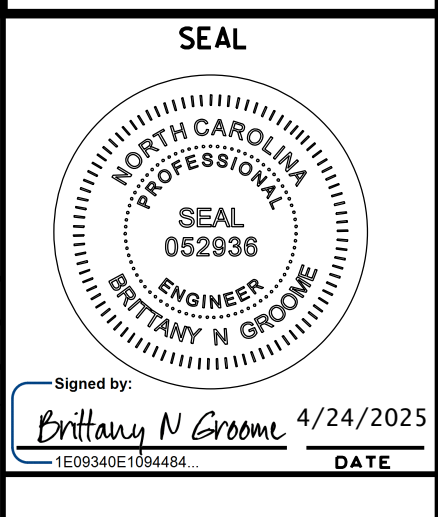
**MATCHLINE D, SEE SHEET SCP-6**

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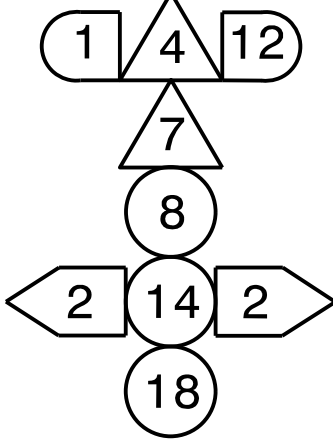


PROJECT REFERENCE NO.	SHEET NO.
R-4463A	SCP-6

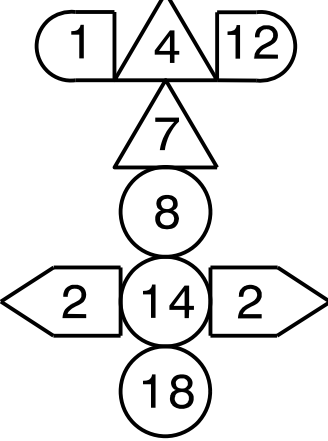
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NC 43

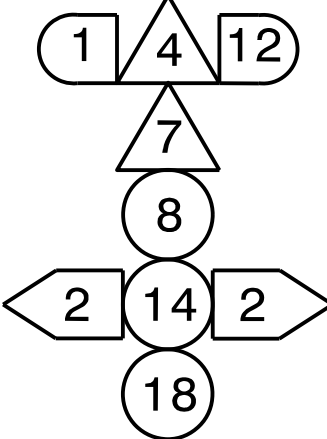
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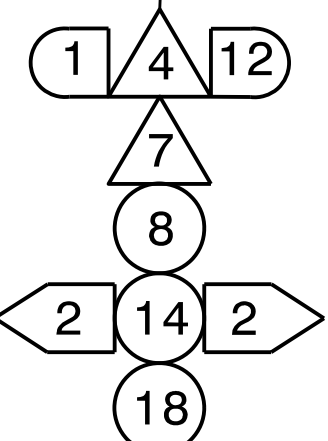
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52A  
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40A  
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NOTES:

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NC License No. F-1524 (704) 549-4260

Prepared For:  
  
750 N. Greenfield Place, Garner, NC 27529  


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D02-15 New Bern  
Cable Routing Plans


Division 2 Craven County New Bern

PLAN DATE: April 2025 REVIEWED BY: BN Groome

PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)

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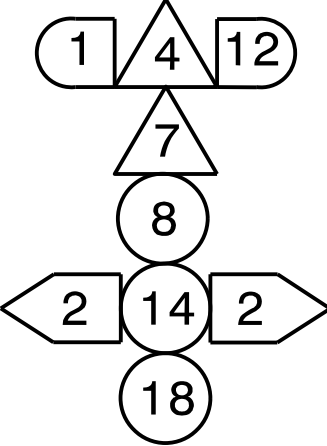
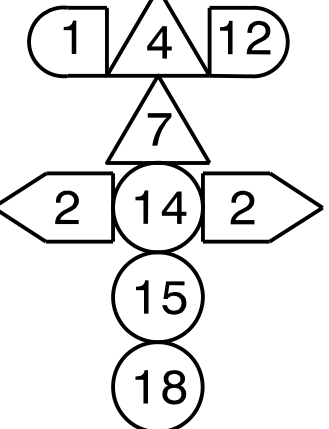
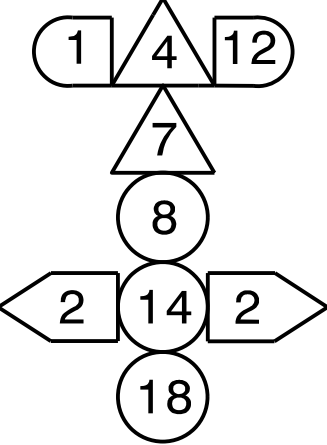
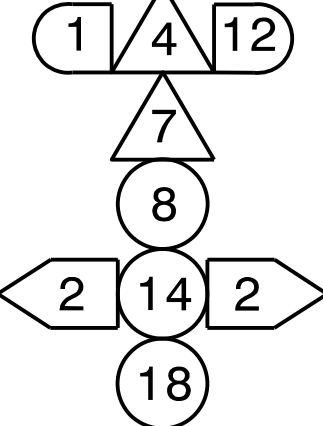
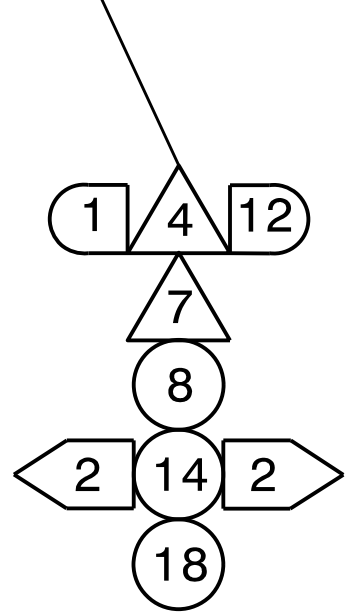
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Brittany N. Groome  
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4/24/2025  
DATE

PROJECT REFERENCE NO.	SHEET NO.
R - 4463A	SCP - 7

MATCHLINE E, SEE SHEET SCP-6

NC 43

MATCHLINE F, SEE SHEET SCP-8



NOTES:


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Plans Prepared By:

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8210 University Executive Park Dr, Suite 220  
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NC License No. F-1524 (T04) 549-4260

Prepared For:



750 N. Greenfield Place, Garner, NC 27529

Division 2

Craven County

New Bern

PLAN DATE: April 2025

REVIEWED BY: BN Groome

PREPARED BY: DS Griffith

DRMP PROJ. NO: 17359 (041)

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BRITTANY N. GROOME

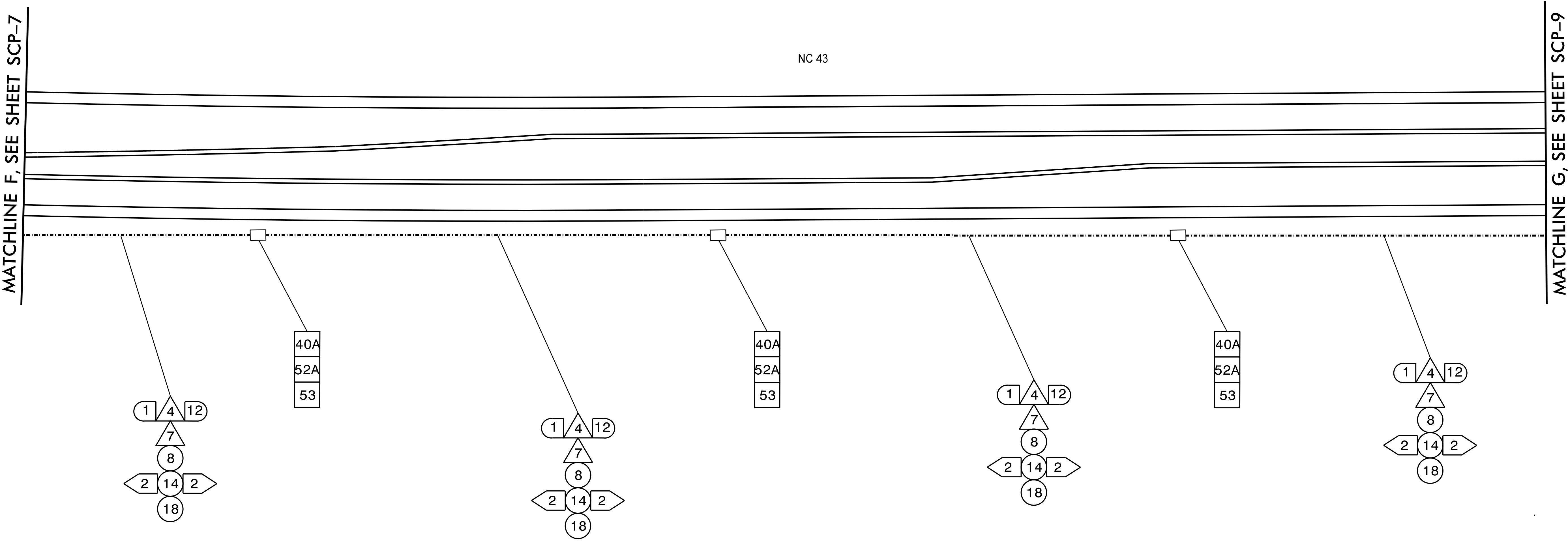
ENGINEER

Signed by:

Brittany N. Groome

4/24/2025

DATE



4/23/2025  
User: k.jones


NOTES:

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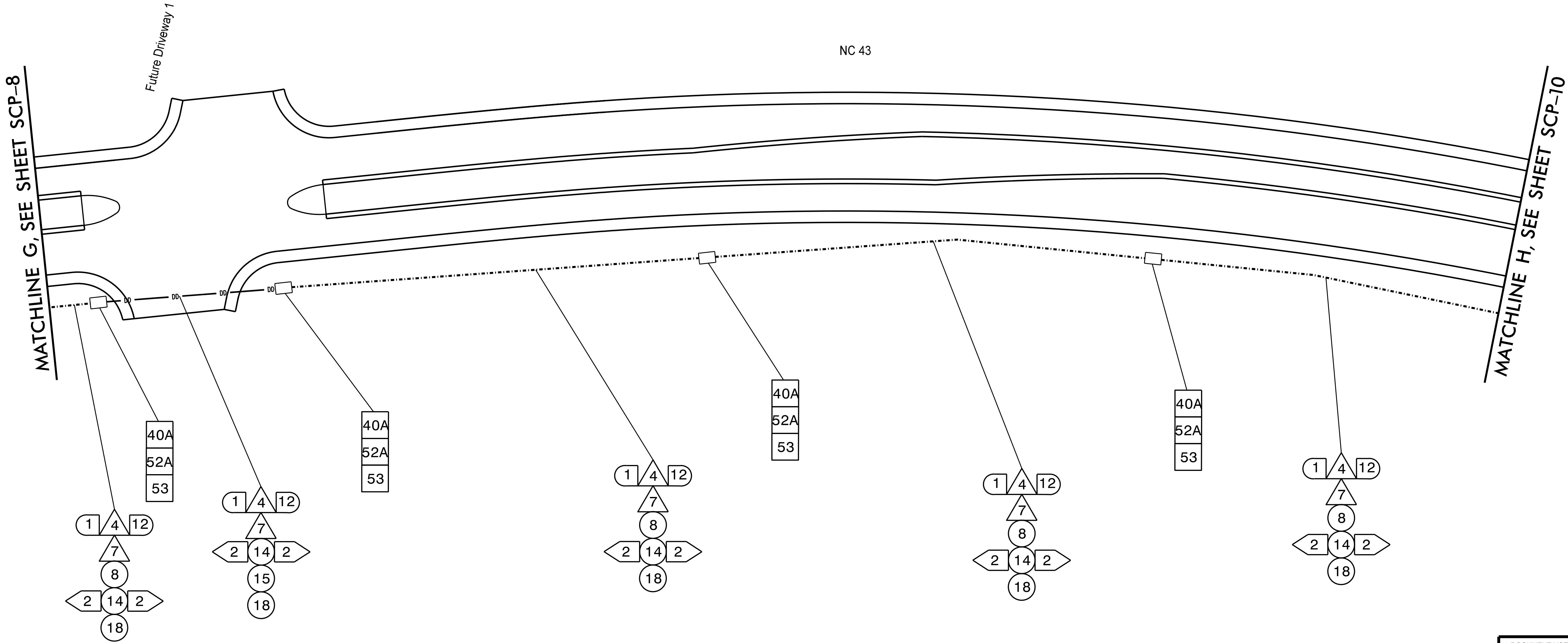
Plans Prepared By:

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8210 University Executive Park Dr, Suite 220  
Charlotte, NC 28262  
NC License No. F-1524 (T04) 549-4260

<p>Prepared For:</p>  <p>750 N. Greenfield Place, Garner, NC 27529</p>	<p><b>D02-15 New Bern Cable Routing Plans</b></p>		<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>							
	<p>Division 2 Craven County New Bern</p> <p>PLAN DATE: April 2025 REVIEWED BY: BN Groome</p> <p>PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)</p>	<p>REVISIONS</p> <table><tr><th>INIT.</th><th>DATE</th></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	INIT.	DATE						
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User: j.k.jones

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Prepared For:



750 N. Greenfield Place, Garner, NC 27529



SCALE

0

NO SCALE

D02-15 New Bern  
Cable Routing Plans

Division 2 Craven County New Bern


PLAN DATE: April 2025 REVIEWED BY: BN Groome

PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)

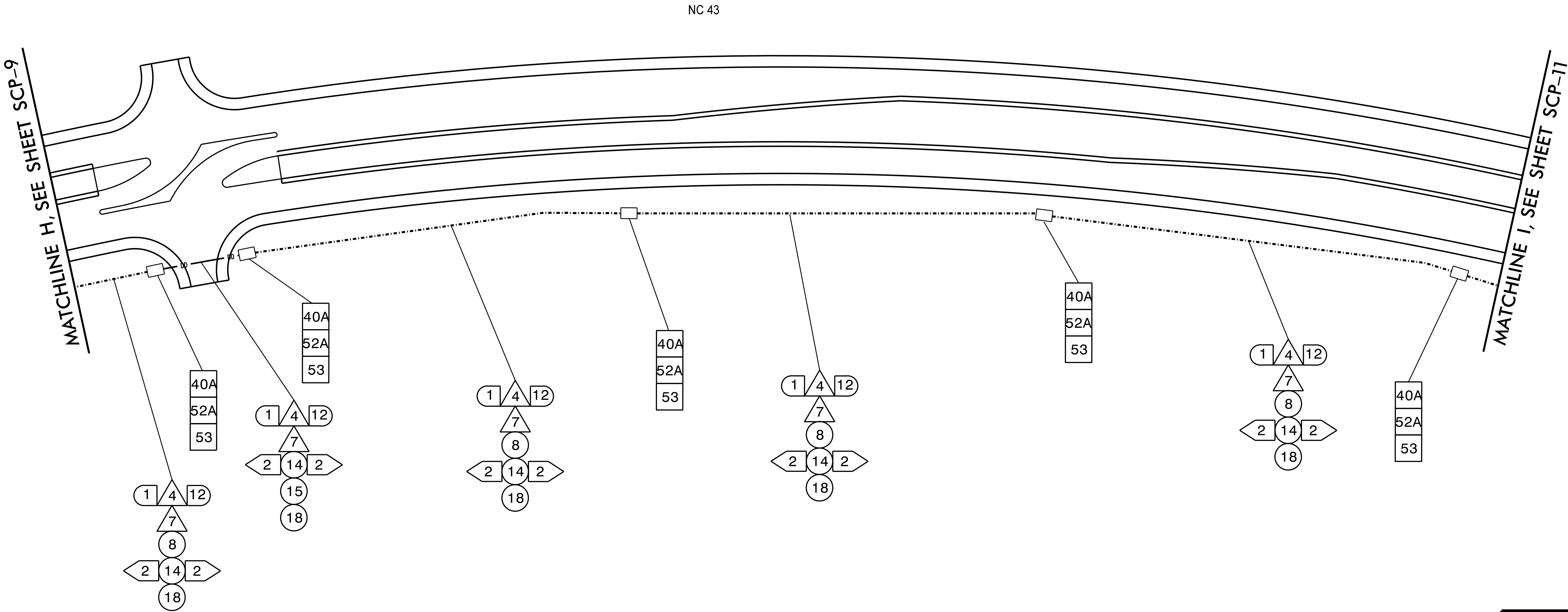
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*Brittany N. Groome* 4/24/2025  
1E03540E168484 DATE



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User: k.jones

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D02-15 New Bern  
Cable Routing Plans

Division 2 Craven County New Bern

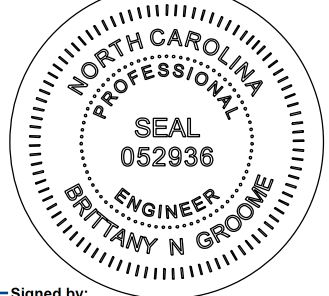
PLAN DATE: April 2025 REVIEWED BY: BN Groome

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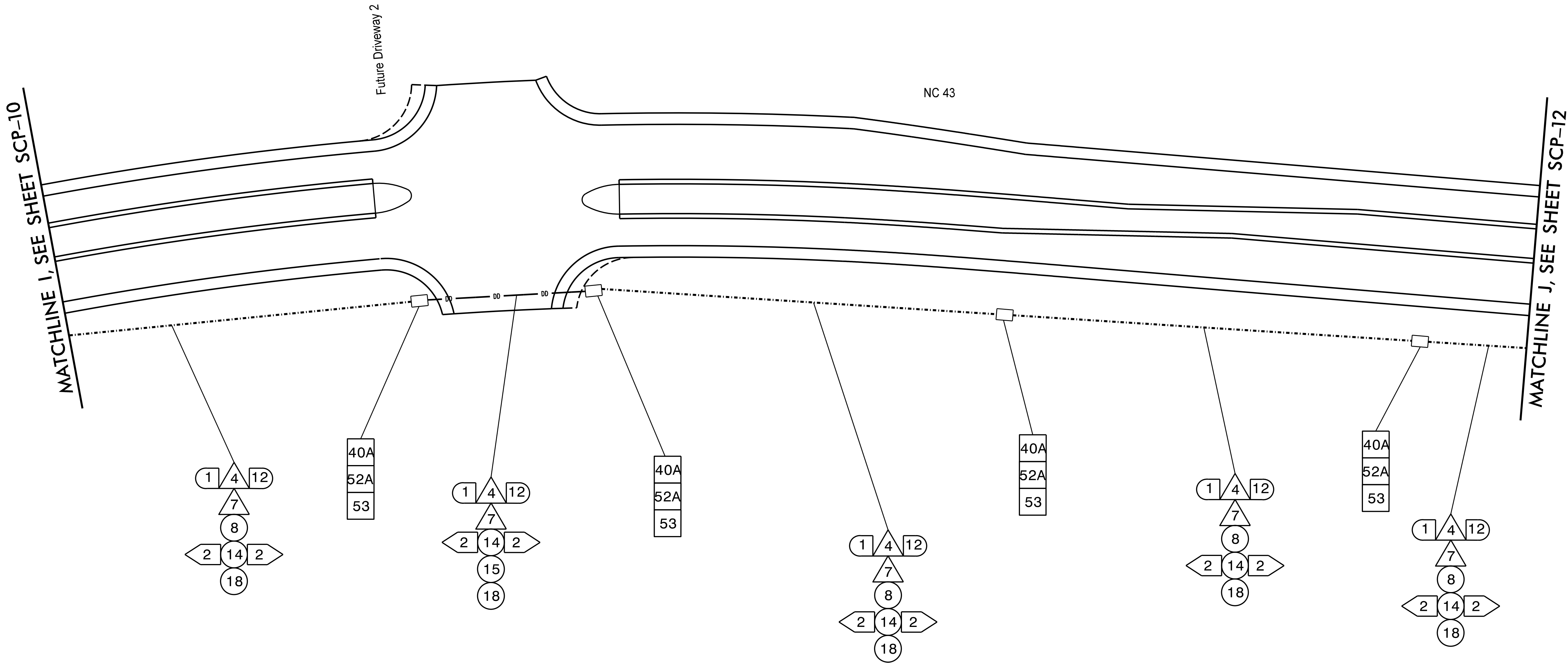
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DATE

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	SCP-11



4/23/2025  
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User: k.jones


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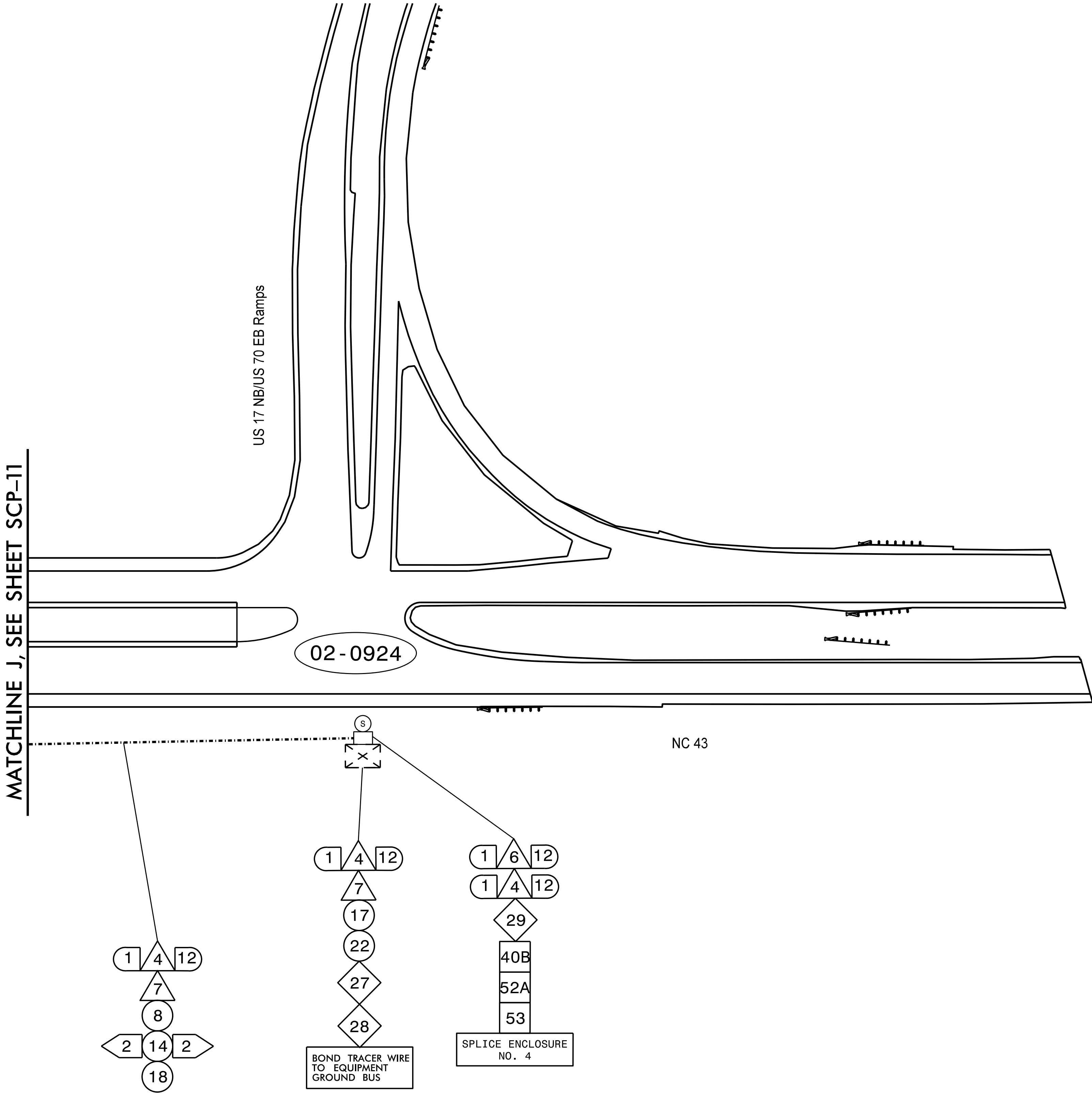
**DRMP**

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Charlotte, NC 28269  
NC License No. F-1524 (704) 549-4260

Prepared For:  750 N. Greenfield Place, Garner, NC 27529		D02-15 New Bern Cable Routing Plans		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Division 2 Craven County New Bern		PLAN DATE: April 2025		REVIEWED BY: BN Groome	
PREPARED BY: DS Griffith		DRMP PROJ. NO: 17359 (041)		SEAL 052936 ENGINEER BRITTANY N GROOME	
REVISIONS		INIT.		DATE	
				Signed by: Brittany N Groome 1E03540E168484	
				4/24/2025 DATE	



PROJECT REFERENCE NO.	SHEET NO.
R-4463A	SCP-12



NOTES:

1) NOTIFY THE DIVISION TRAFFIC ENGINEER AT (252)439-2829 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.

4/23/2025  
...404-D065 on \*SCP-12.dgn  
User: k.jones

Plans Prepared By:

**DRMP**

DRMP, Inc.  
6210 University Executive Park Dr, Suite 220  
Charlotte, NC 28269  
NC License No. F-1524 (T04) 549-4260

Prepared For:		Division 2		Craven County		New Bern	
		PLAN DATE: April 2025		REVIEWED BY: BN Groome			
750 N. Greenfield Place, Garner, NC 27529		PREPARED BY: DS Griffith		DRMP PROJ. NO: 17359 (041)			
		REVISIONS		INIT.		DATE	
0							
NO SCALE							

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 052836

ENGINEER

BRITANY N GROOME

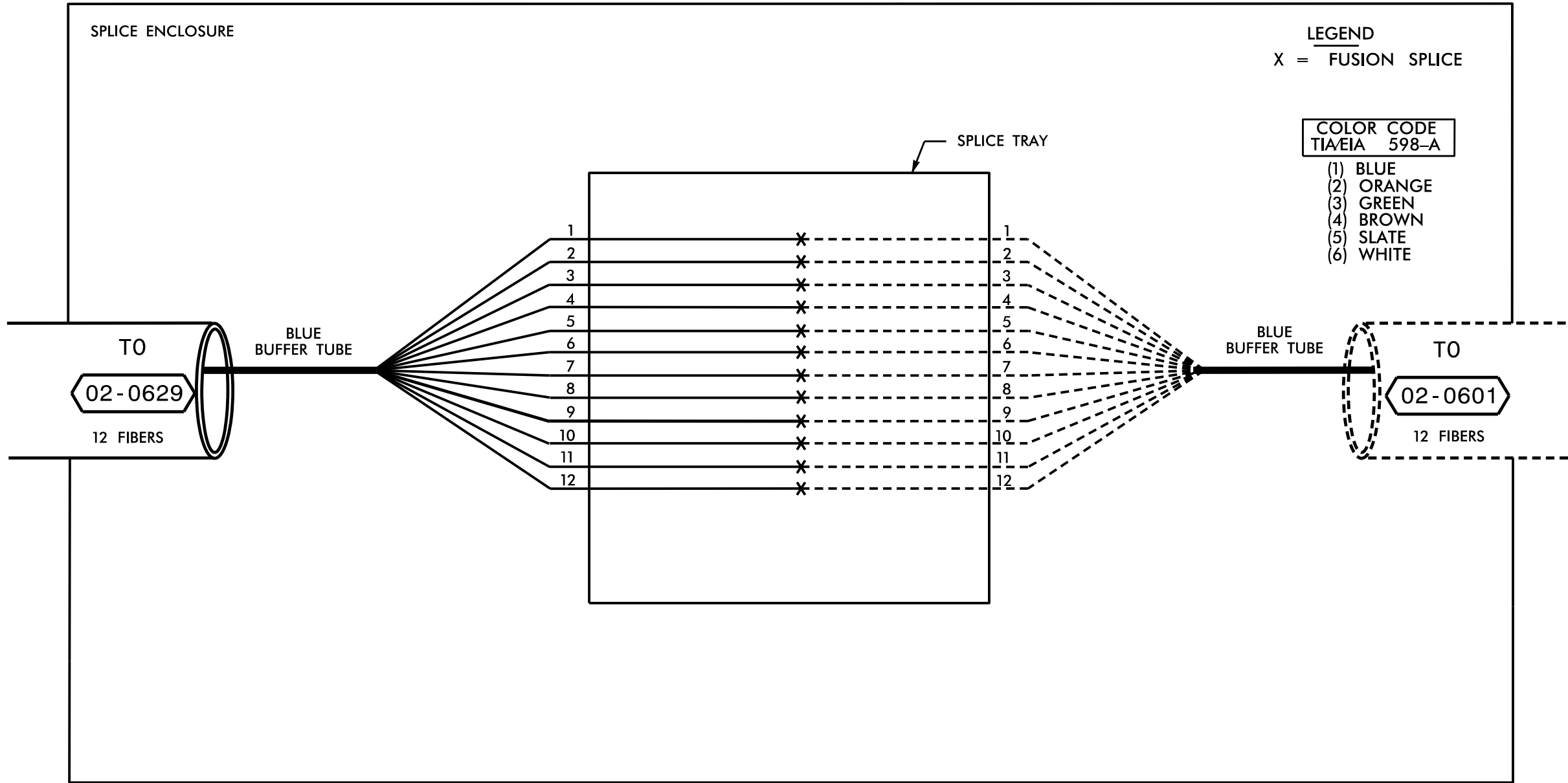
Signed by: Brittany N Groome 4/24/2025

DATE

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

US 17 Business  
(M. L. King, Jr. Blvd.)  
(SCP-3)




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

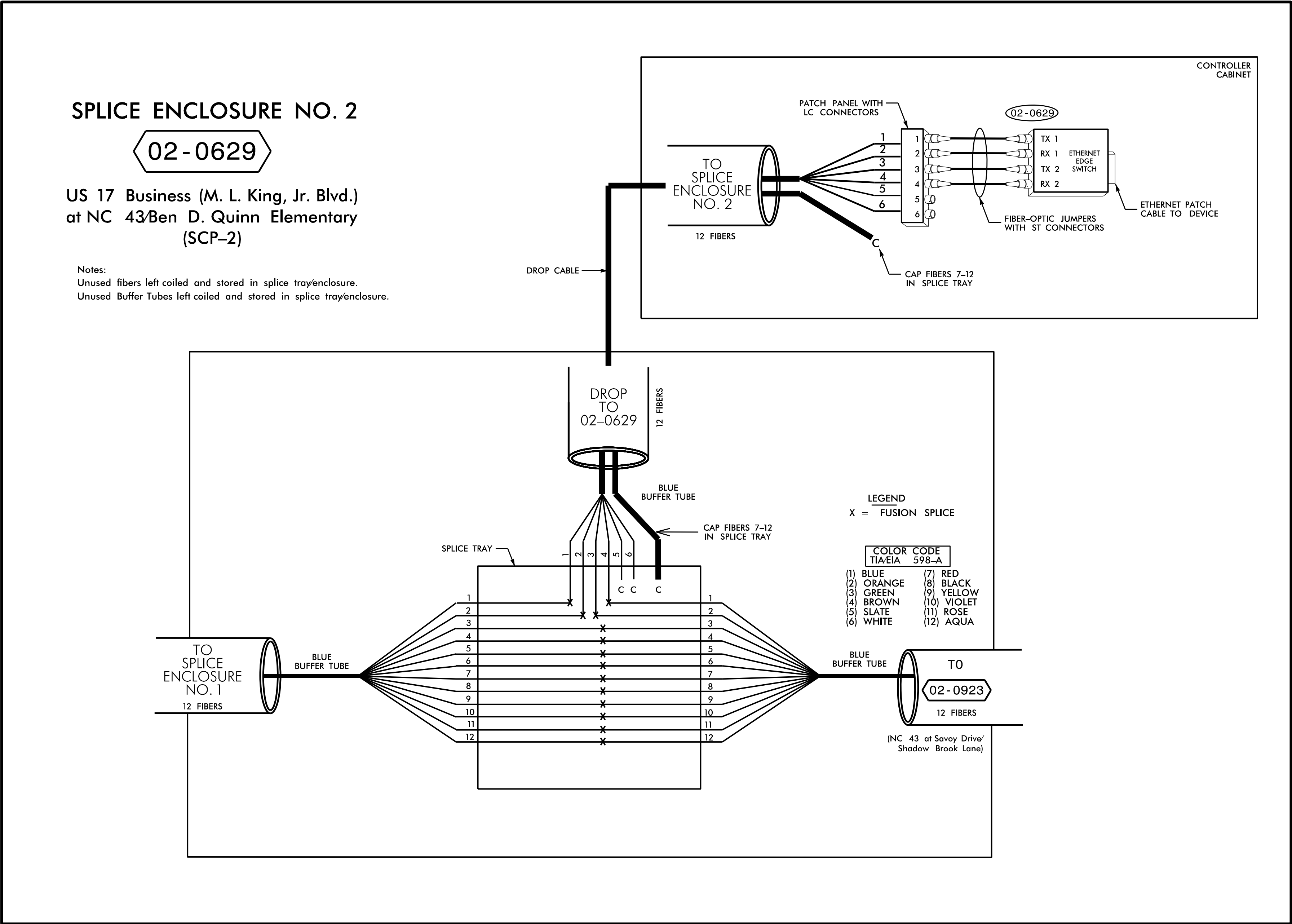


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- PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS



<p>Prepared For:</p>  <p>750 N. Greenfield Pkwy., Garner, NC 27529</p>	<h2 style="margin: 0;">D02-15_New Bern Splice Details</h2>	<p>SEAL</p> 
<p>Division 2      Craven County      New Bern</p>		
<p>PLAN DATE:    April 2025</p>		<p>REVIEWED BY:    BN Groome</p>
<p>PREPARED BY:    DS Griffith</p>		<p>DAMP PROJ. NO:    17359 (041)</p>
<p>REVISIONS</p>		<p>INIT.      DATE</p>
<p>0  NO SCALE</p>		
		<p>Signed by: <u>Brittany N Groome</u> 4/24/2025</p> <p>1E03040E1094484      DATE</p>



NOTES:

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2. 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

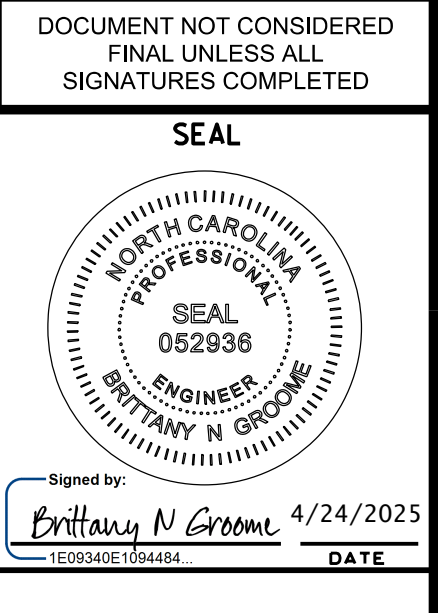
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

4/23/2025  
User: k.jones



D02-15 New Bern Splice Details			
Division 2		Craven County	
New Bern			
PLAN DATE:	April 2025	REVIEWED BY:	BN Groome
PREPARED BY:	DS Griffith	DRMP PROJ. NO:	17359 (041)
REVISIONS		INIT.	DATE



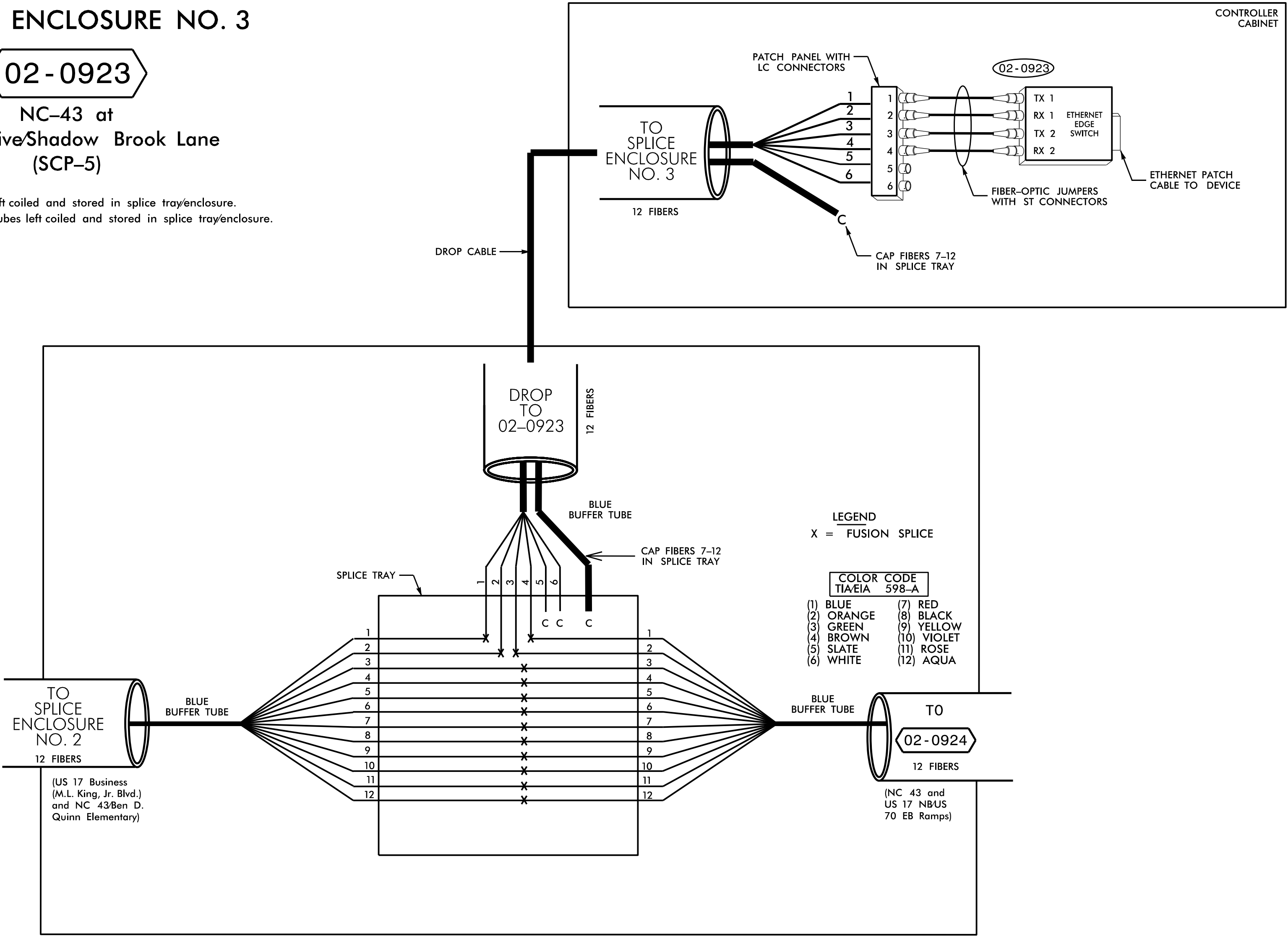


SPLICE ENCLOSURE NO. 3

02-0923

NC-43 at  
Savoy DriveShadow Brook Lane  
(SCP-5)

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



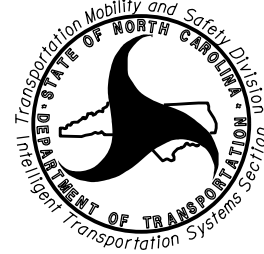
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

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  - 2) DATE
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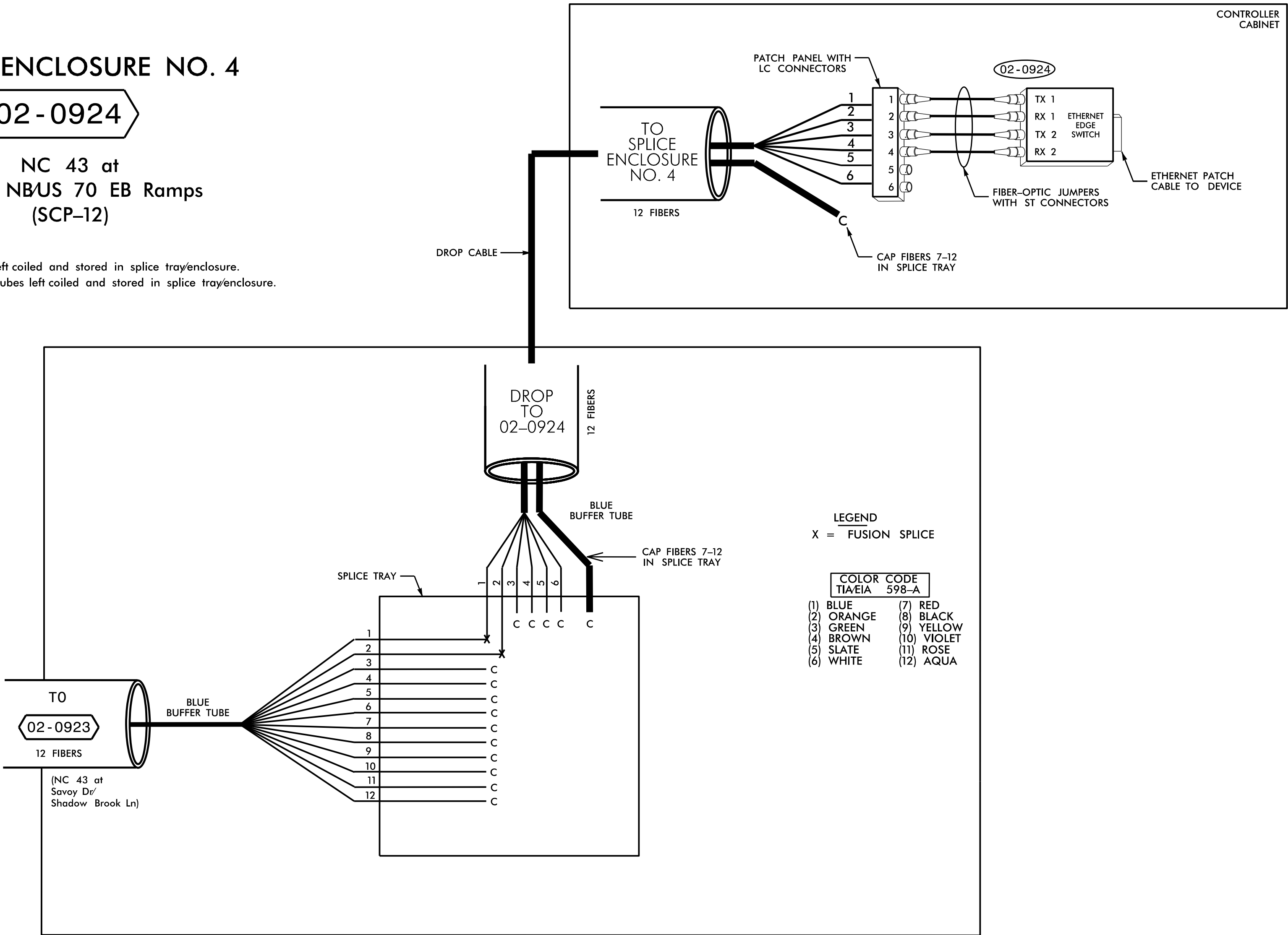
Prepared For:  750 N. Greenfield Place, Garner, NC 27529		D02-15 New Bern Splice Details		Division 2 Craven County New Bern		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PLAN DATE: April 2025		REVIEWED BY: BN Groome		SEAL 052936 ENGINEER BRITANNY N GROOME		Signed by: Brittany N Groome 1E03540E184484	
PREPARED BY: DS Griffith		DRMP PROJ. NO: 17359 (041)		DATE		4/24/2025	
REVISIONS		INIT.		DATE			
0		NO SCALE					

SPLICE ENCLOSURE NO. 4

02-0924

NC 43 at  
US 17 NB/US 70 EB Ramps  
(SCP-12)

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



ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.

NOTES:

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Prepared For:  750 N. Greenfield Place, Garner, NC 27529		D02-15_New Bern Splice Details		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Division 2 Craven County New Bern		PLAN DATE: April 2025 REVIEWED BY: BN Groome		 Signed by: <u>Brittany N. Groome</u> 4/24/2025 DATE	
PREPARED BY: DS Griffith DRMP PROJ. NO: 17359 (041)		REVISIONS			
SCALE 0 NO SCALE		INIT.		DATE	