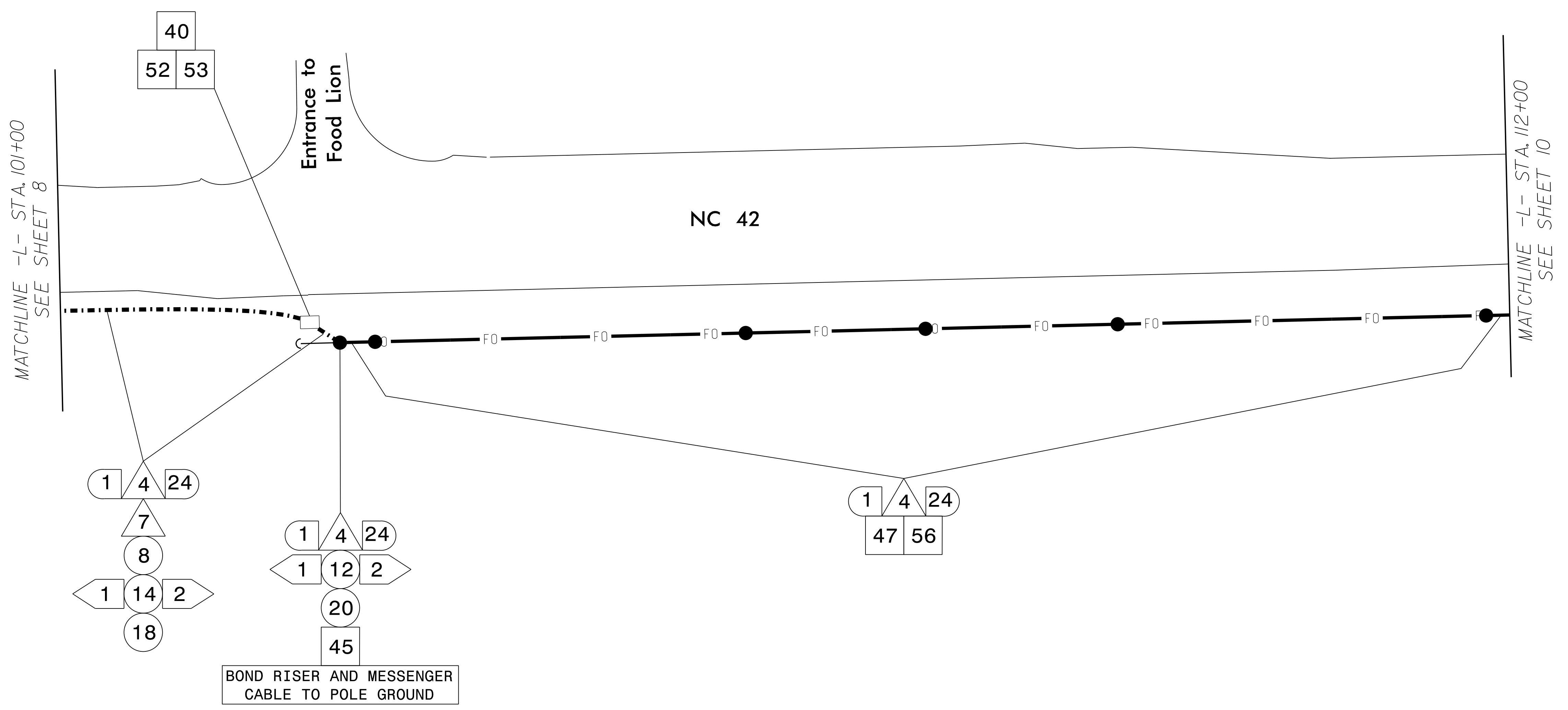


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**NOTES:**

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5/25/2018  
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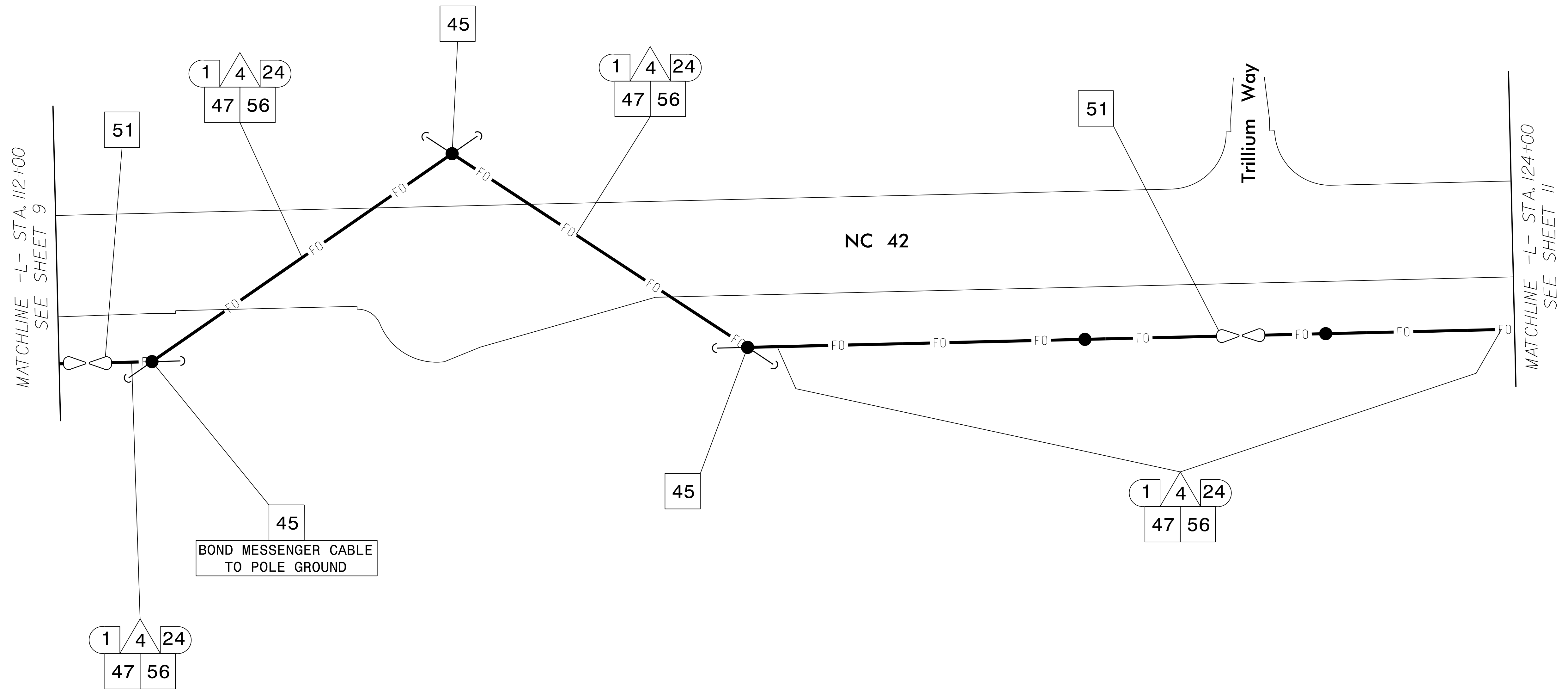
Prepared by  
**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
 NC LICENSE # C-2243

Prepared for the Offices of:  
  
 750 N. Greenfield Pkwy., Garner, NC 27529  
 SCALE  
 0 50  
 1"=50'

<b>Communications Cable and Conduit Routing Plans</b>	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 STEVEN W. COX  
 5/25/2018  
 CADD Filename:

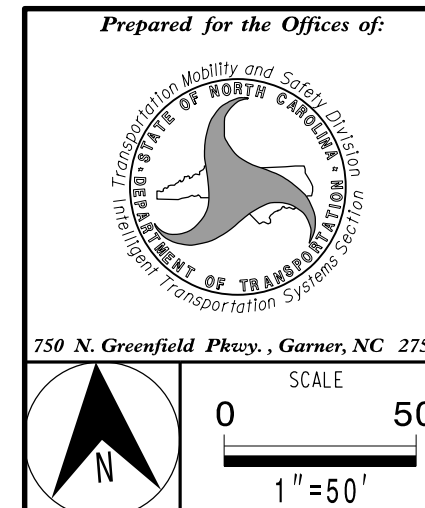


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<b>Communications Cable and Conduit Routing Plans</b>	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

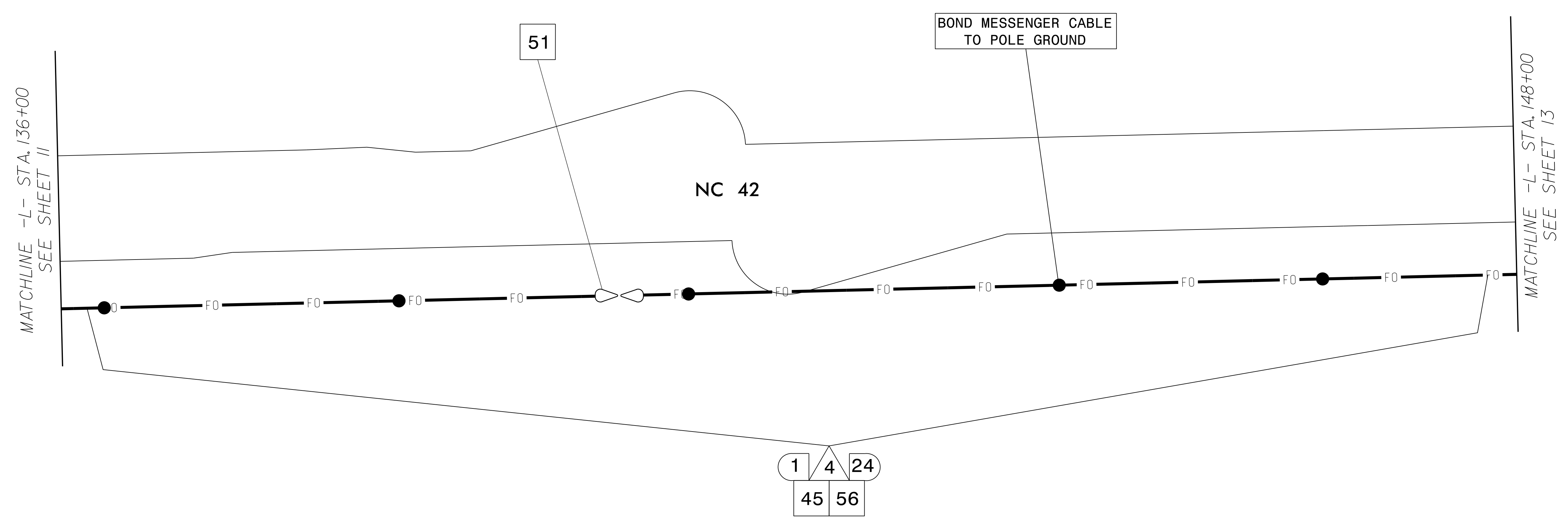
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SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 37856  
 STEVEN W. COX  
 Steven W. Cox  
 5/25/2018  
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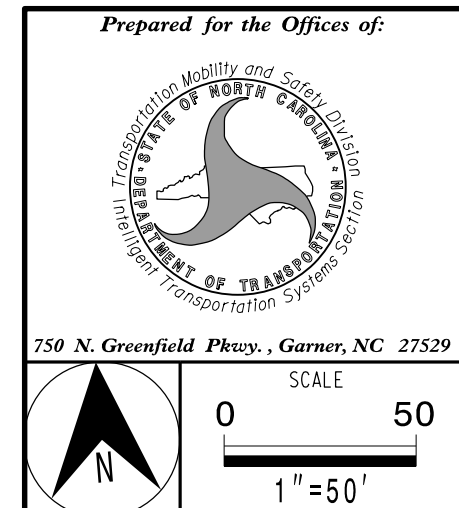


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5/25/2018  
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COAST

Prepared by  
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 1600 Perimeter Park Drive  
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 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
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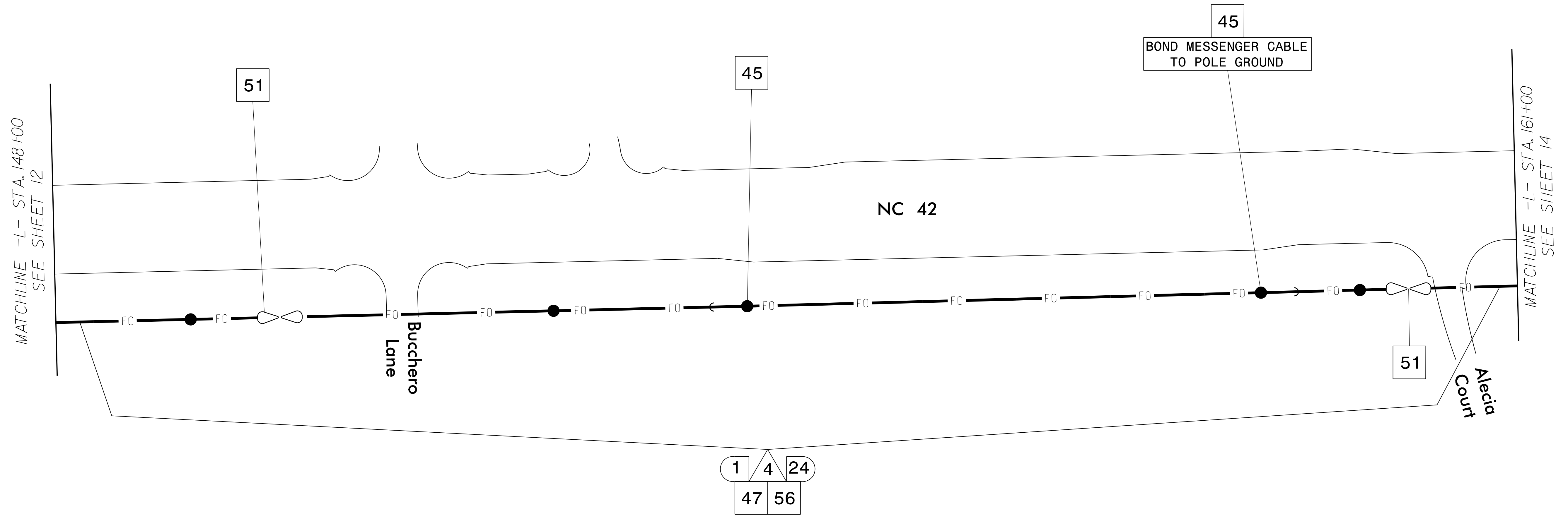


<b>Communications Cable and Conduit Routing Plans</b>	
Division 4	Johnston County Clayton
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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SEAL

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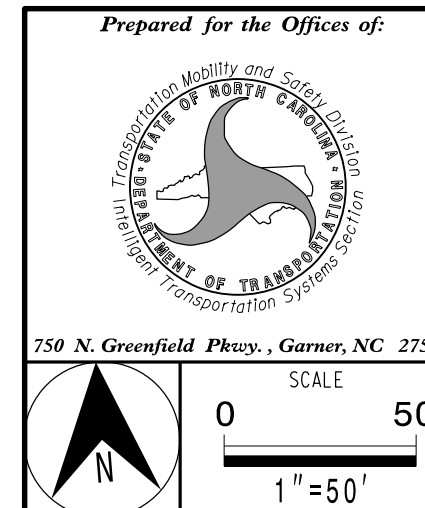


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COA81

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 Morrisville, North Carolina 27560  
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 NC LICENSE # C-2243

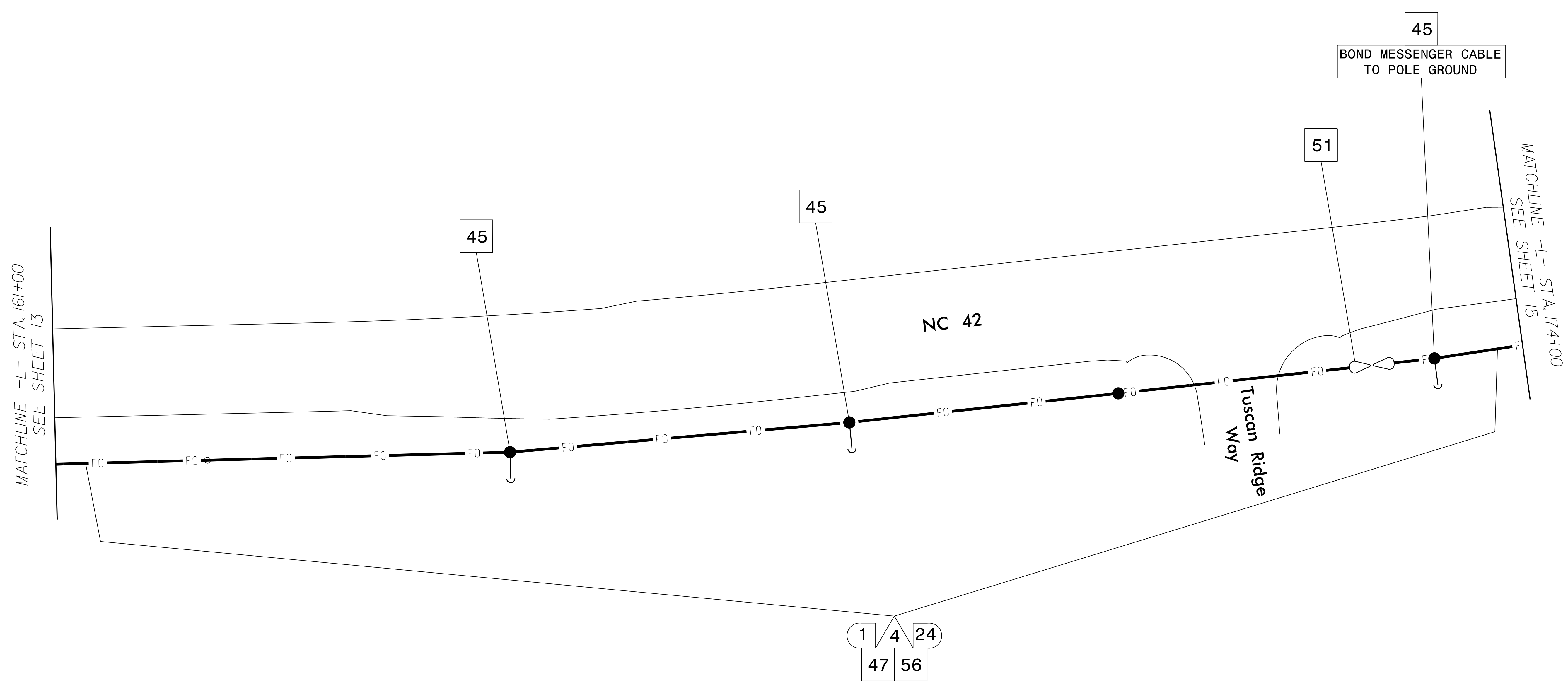


Prepared for the Offices of: 	
<b>Communications Cable and Conduit Routing Plans</b>	
Division 4 Johnston County Clayton PLAN DATE: January 2018 PREPARED BY: S. W. Cox	REVIEWED BY: C. L. Kalencik REVIEWED BY:
REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____

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COA1

Prepared by  
**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
 NC LICENSE # C-2243

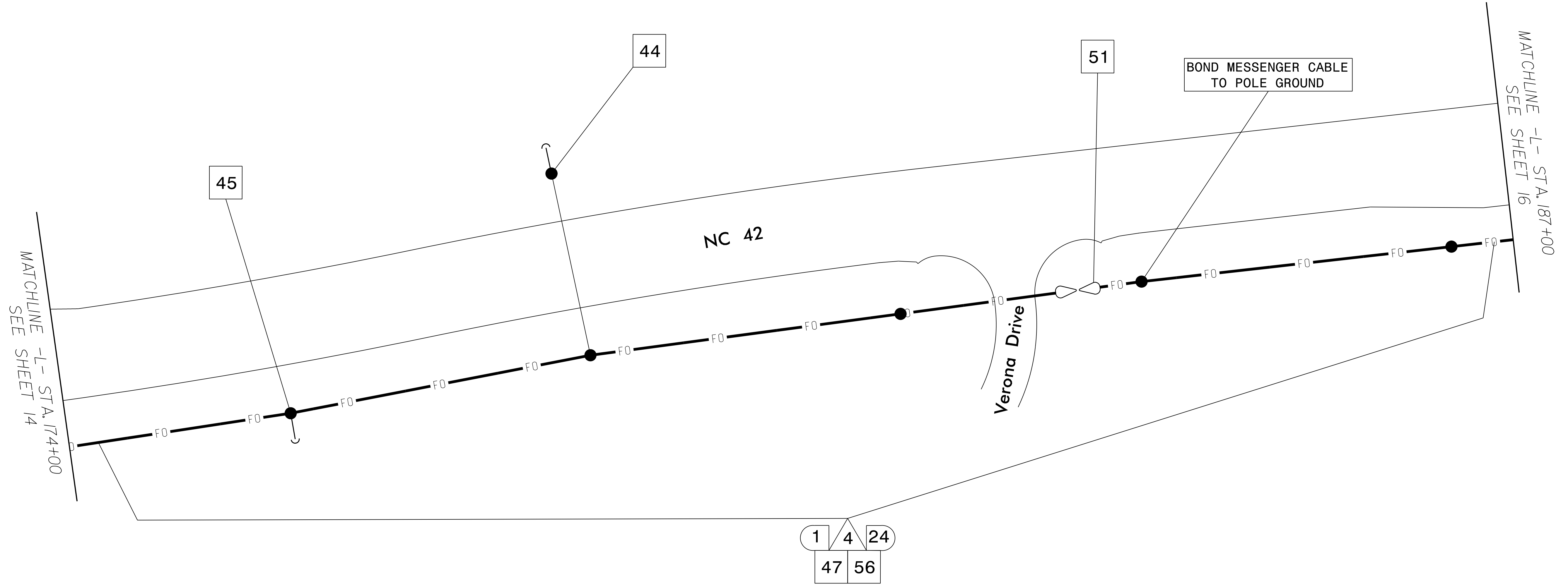
Prepared for the Offices of:  
  
 750 N. Greenfield Pkwy., Garner, NC 27529

<b>Communications Cable and Conduit Routing Plans</b>	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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 Steven W. Cox  
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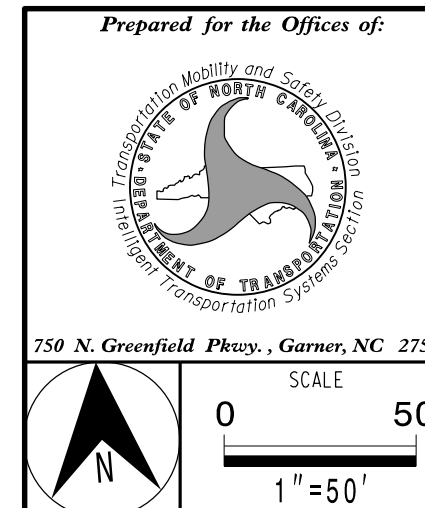


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COA81

Prepared by  
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 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
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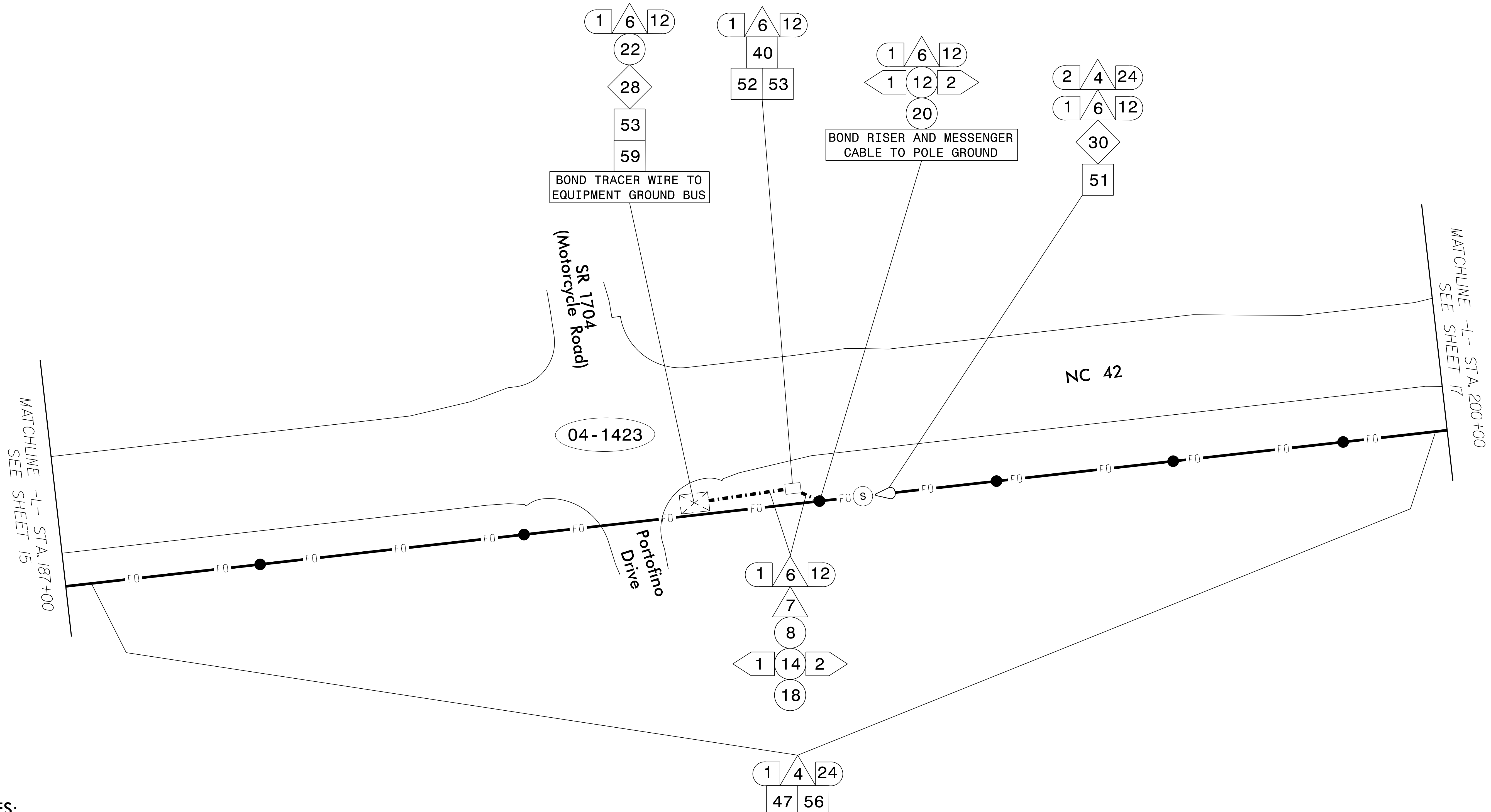
<b>Communications Cable and Conduit Routing Plans</b>	
Division 4	Johnston County
Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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SEAL

STEVEN W. COX  
 37856  
 5/25/2018  
 CADD Filename:





NOTES:

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5/25/2018  
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Prepared by  
**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
 TELEPHONE: (919) 461-1100 FAX: (919) 461-1415  
 NC LICENSE: C-2243

Prepared for the Offices of:  
  
 750 N. Greenfield Pkwy., Garner, NC 27529

Communications Cable and Conduit Routing Plans

Division 4 Johnston County Clayton

PLAN DATE: January 2018 REVIEWED BY: C. L. Kalencik

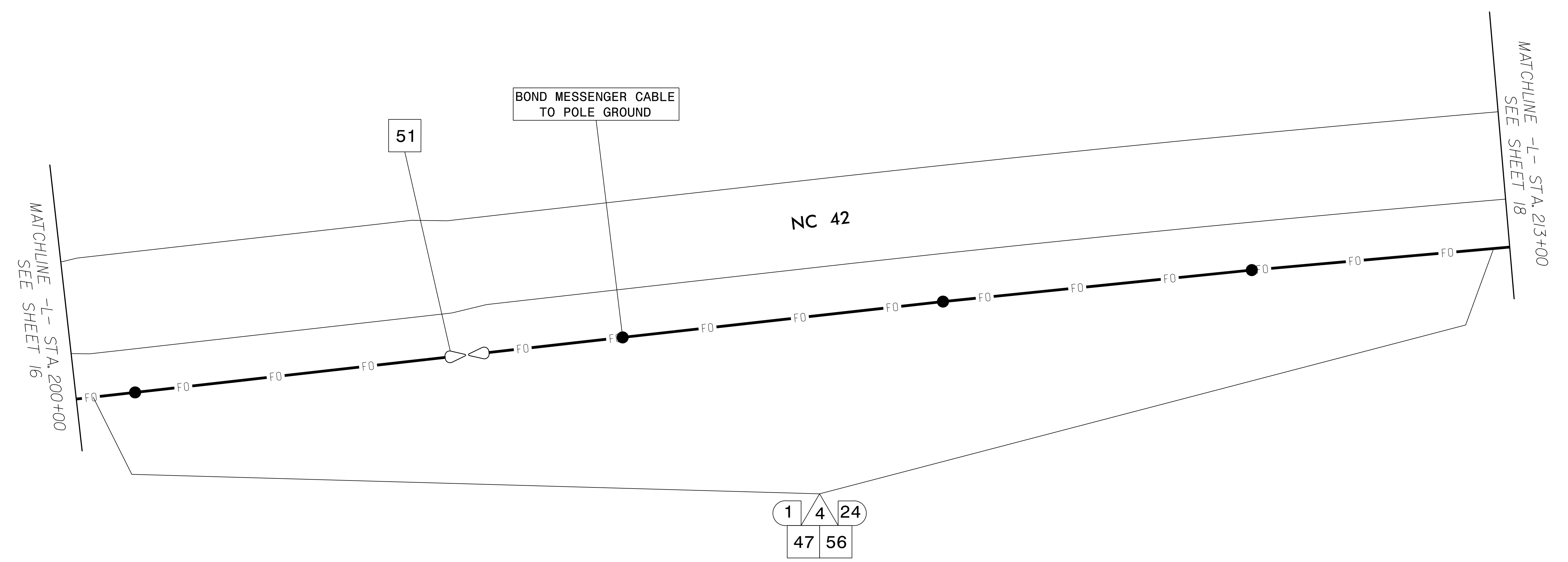
PREPARED BY: S. W. Cox REVIEWED BY:

REVISIONS	INIT.	DATE

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Communications Cable and Conduit Routing Plans

Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

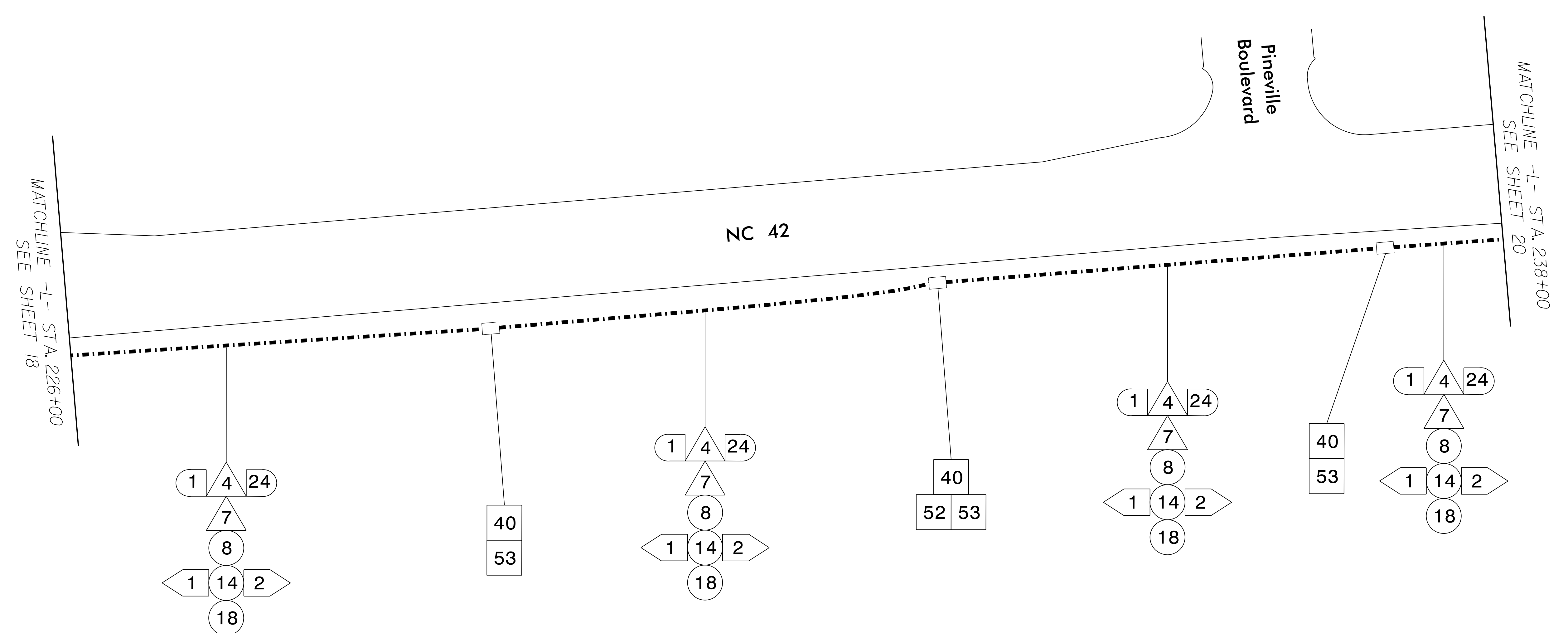
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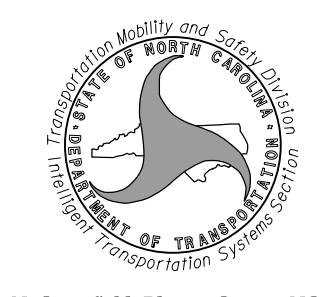


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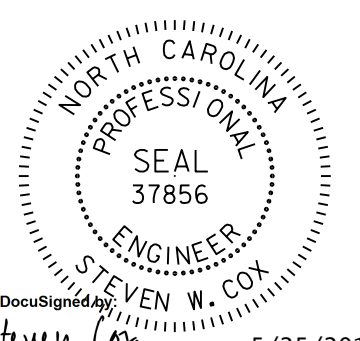
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COA181

Prepared by  
**URS**  
URS Corporation - North Carolina  
1600 Perimeter Park Drive  
Morrisville, North Carolina 27560  
TELEPHONE (919) 461-1100 FAX (919) 461-1415  
NC LICENSE # C-2243

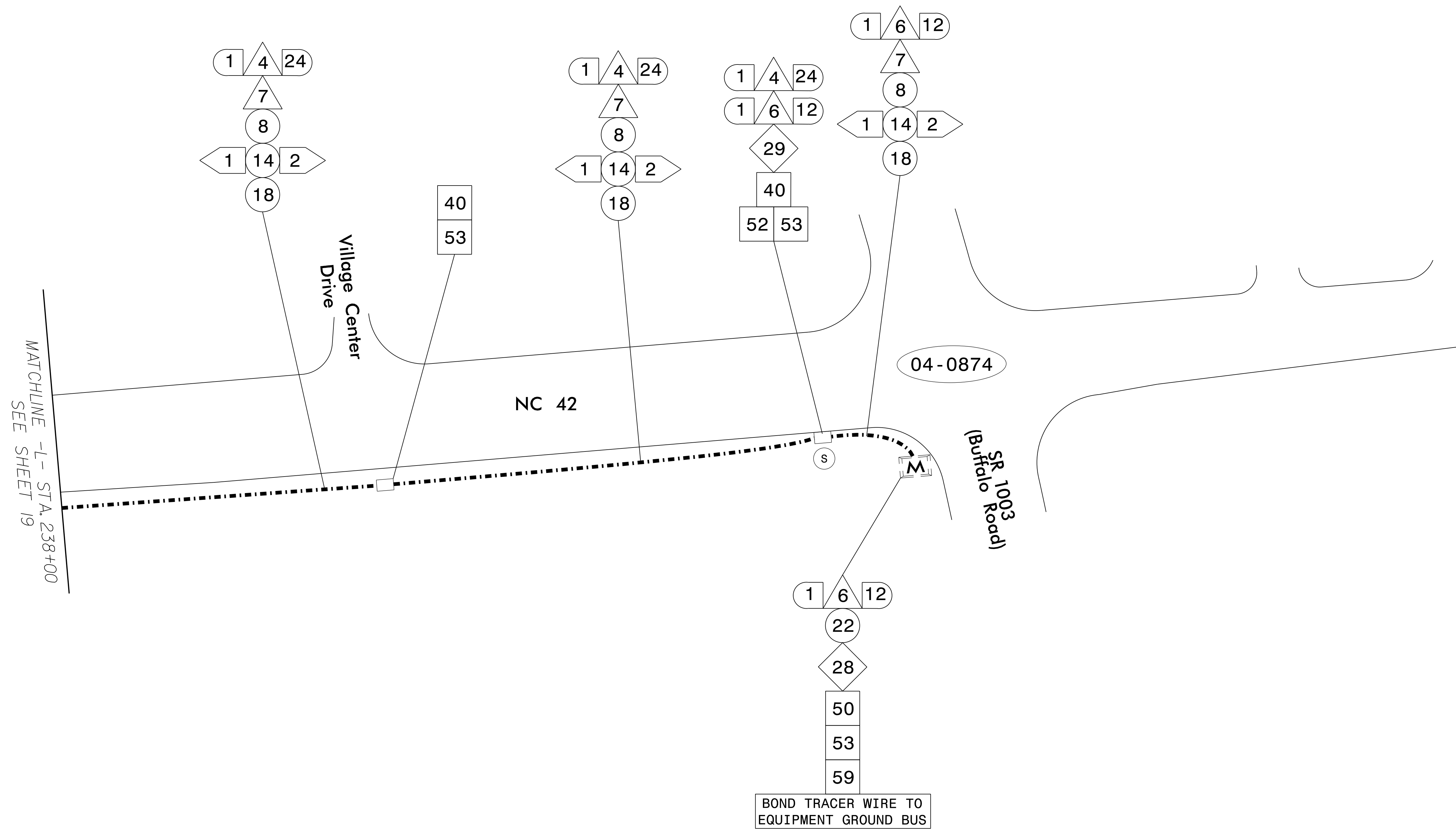
Prepared for the Offices of  
  
 750 N. Greenfield Pkwy., Garner, NC 27529  
 SCALE  
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 1"=50'

<b>Communications Cable and Conduit Routing Plans</b>	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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 STEVEN W. COX  
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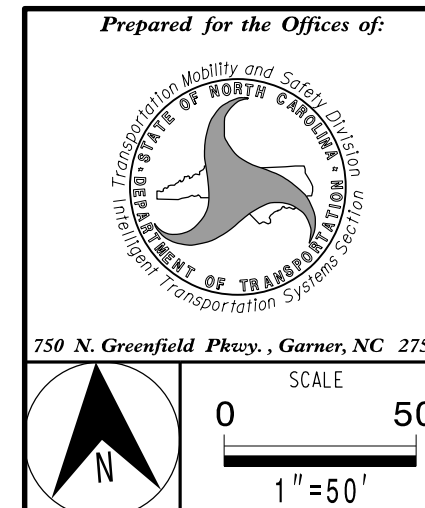


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**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
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Communications Cable and Conduit Routing Plans	
Division 4 Johnston County Clayton	
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PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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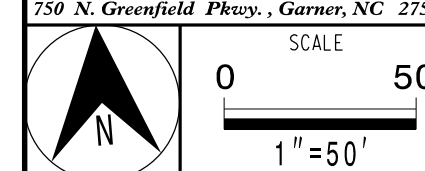
NORTH CAROLINA PROFESSIONAL ENGINEER

STEVEN W. COX

37856

5/25/2018

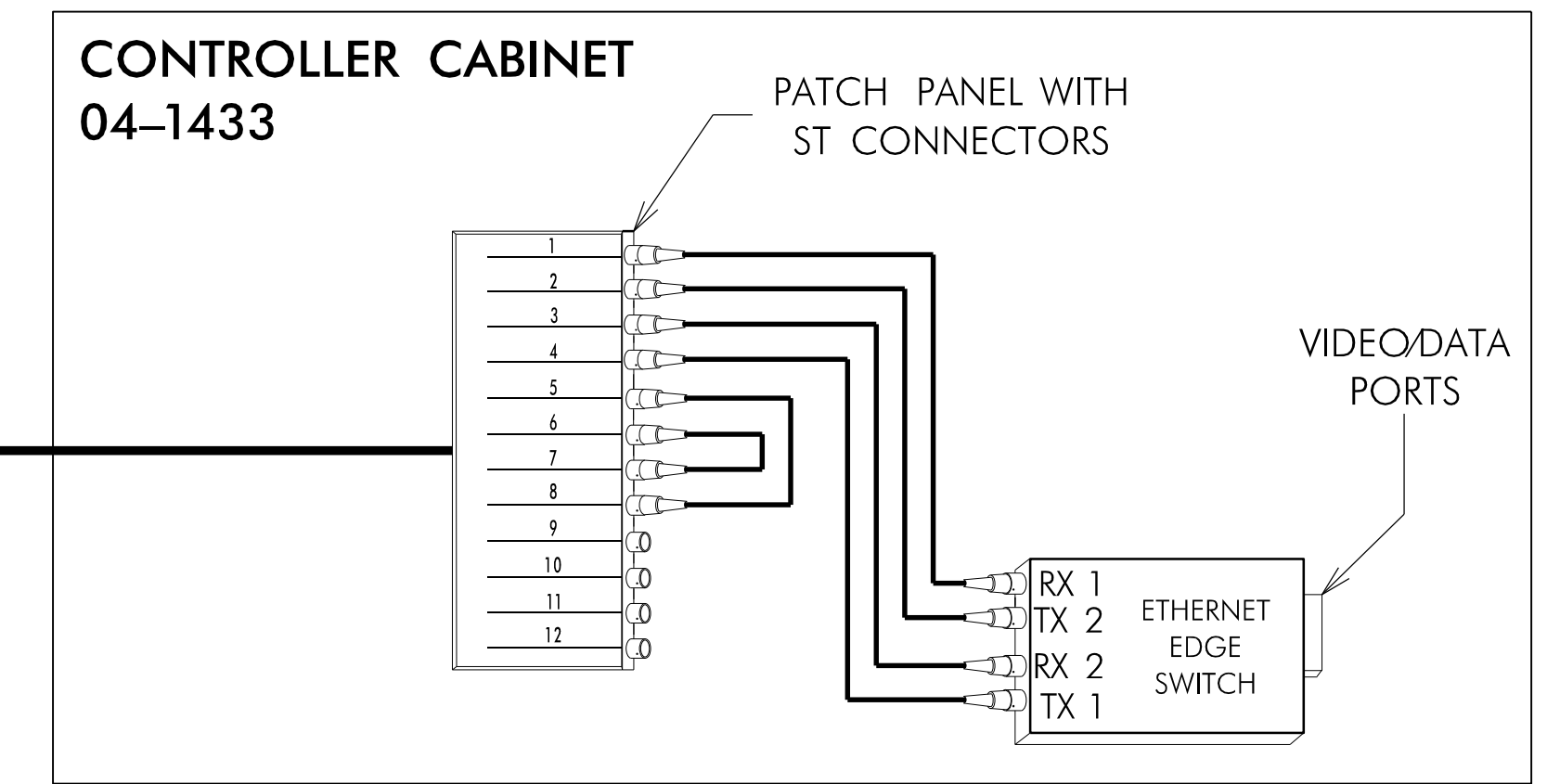
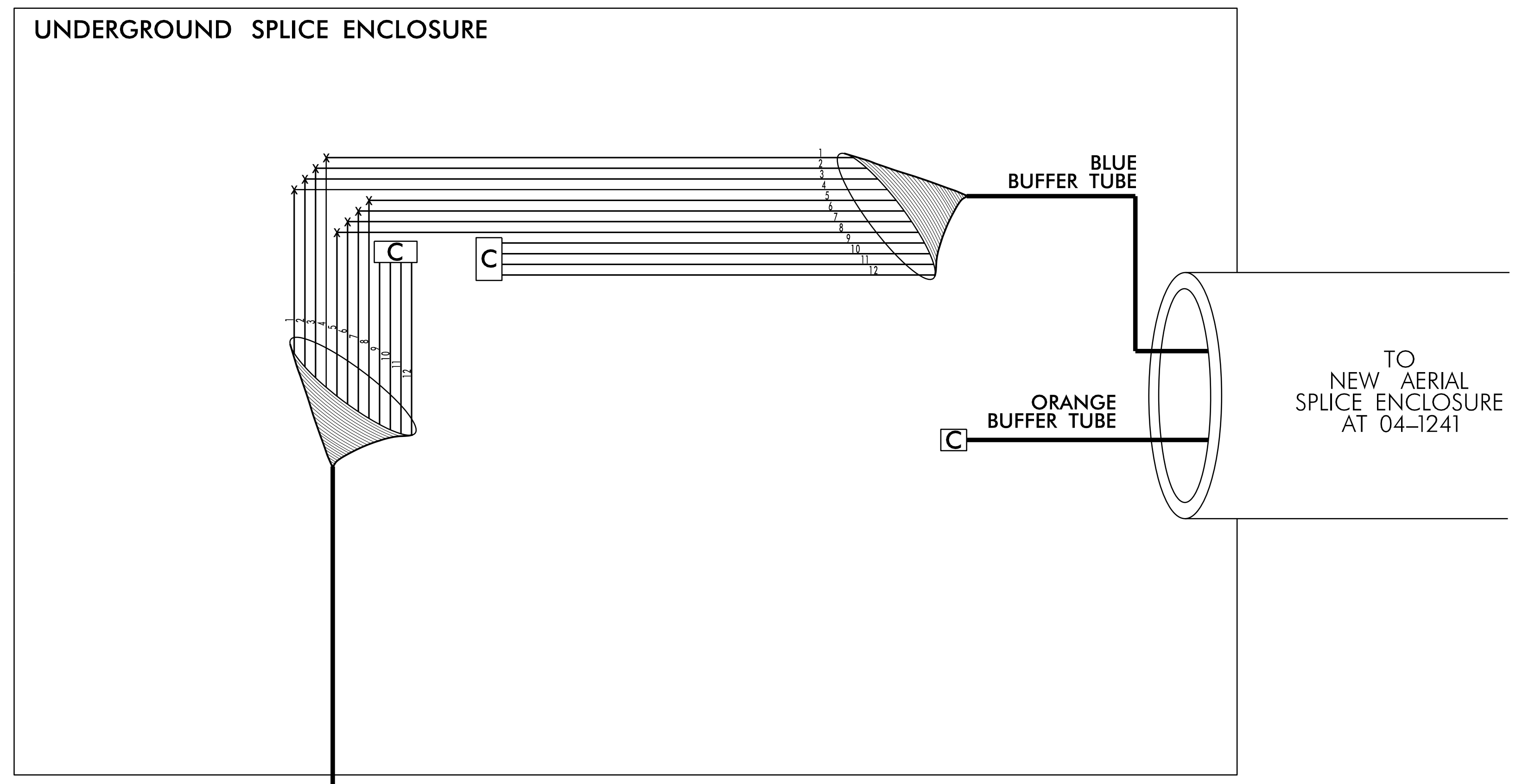
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**CONTROLLER CABINET**  
 AT NC 42 AND SAM HUNT PROPERTY  
 SIG. INV. # 04-1433

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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



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

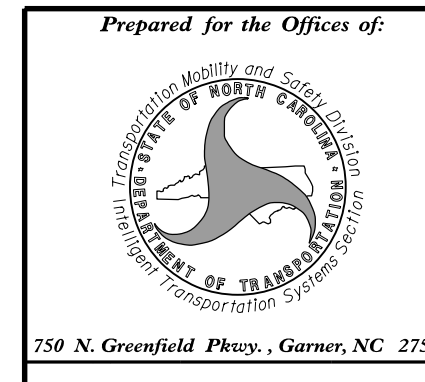
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

**NOTES:**

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2. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATIONS AND SHALL PERFORM ALL SPLICING AND TERMINATIONS IN CONTROLLER CABINET.

5/25/2018  
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 COAS1

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**URS**  
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 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
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Splice Details	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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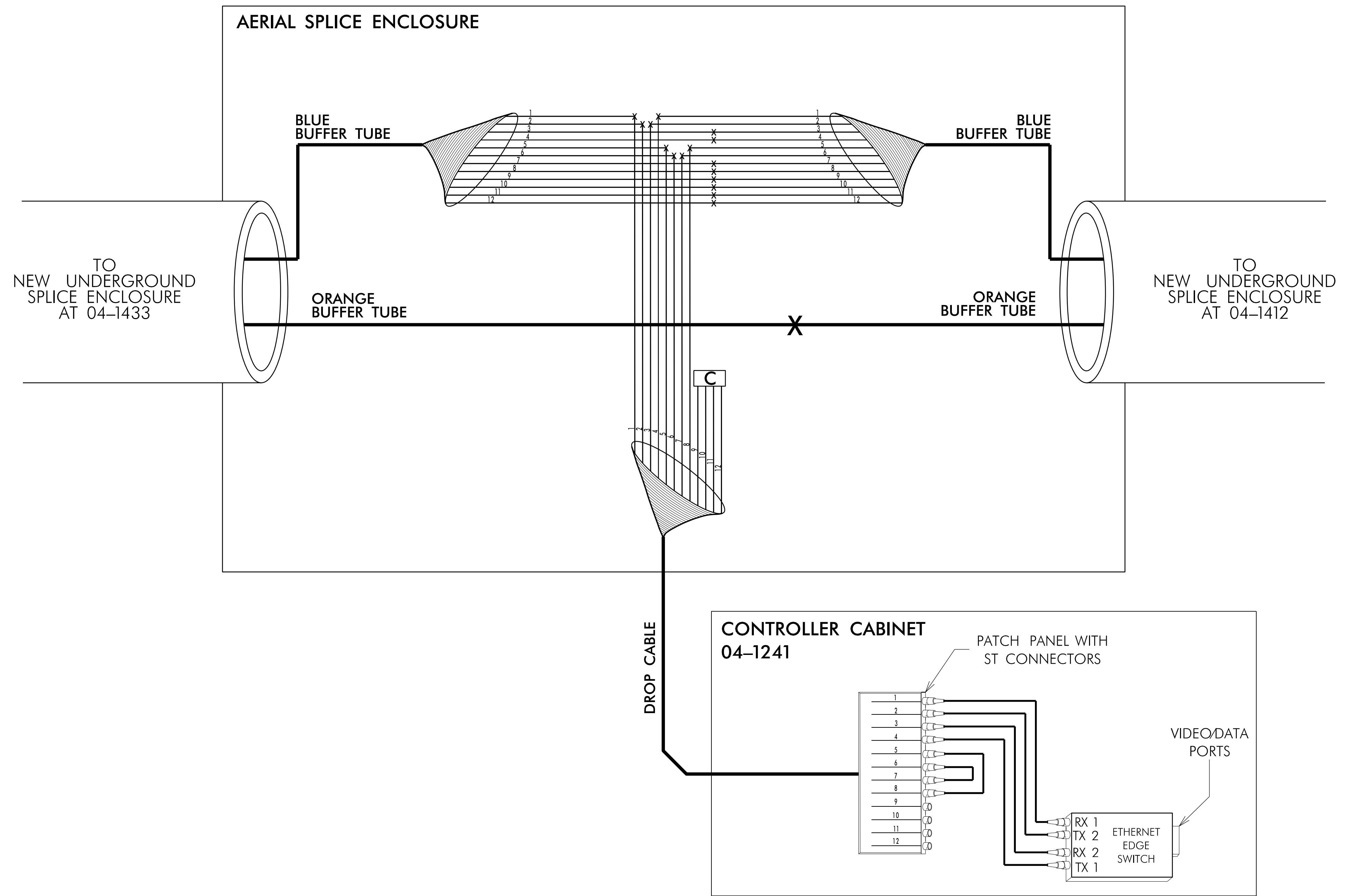
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 37856  
 STEVEN W. COX  
 5/25/2018  
 CADD Filename:

**AERIAL SPLICE ENCLOSURE**  
 AT NC 42 AND  
 SR 1705 (CASTLEBERRY RD)  
 SIG. INV. # 04-1241

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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



**NOTES:**

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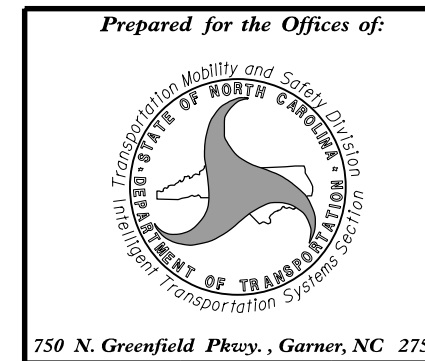
INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:  
 REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

- 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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Prepared by  
**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
 NC LICENSE # C-2243



Splice Details	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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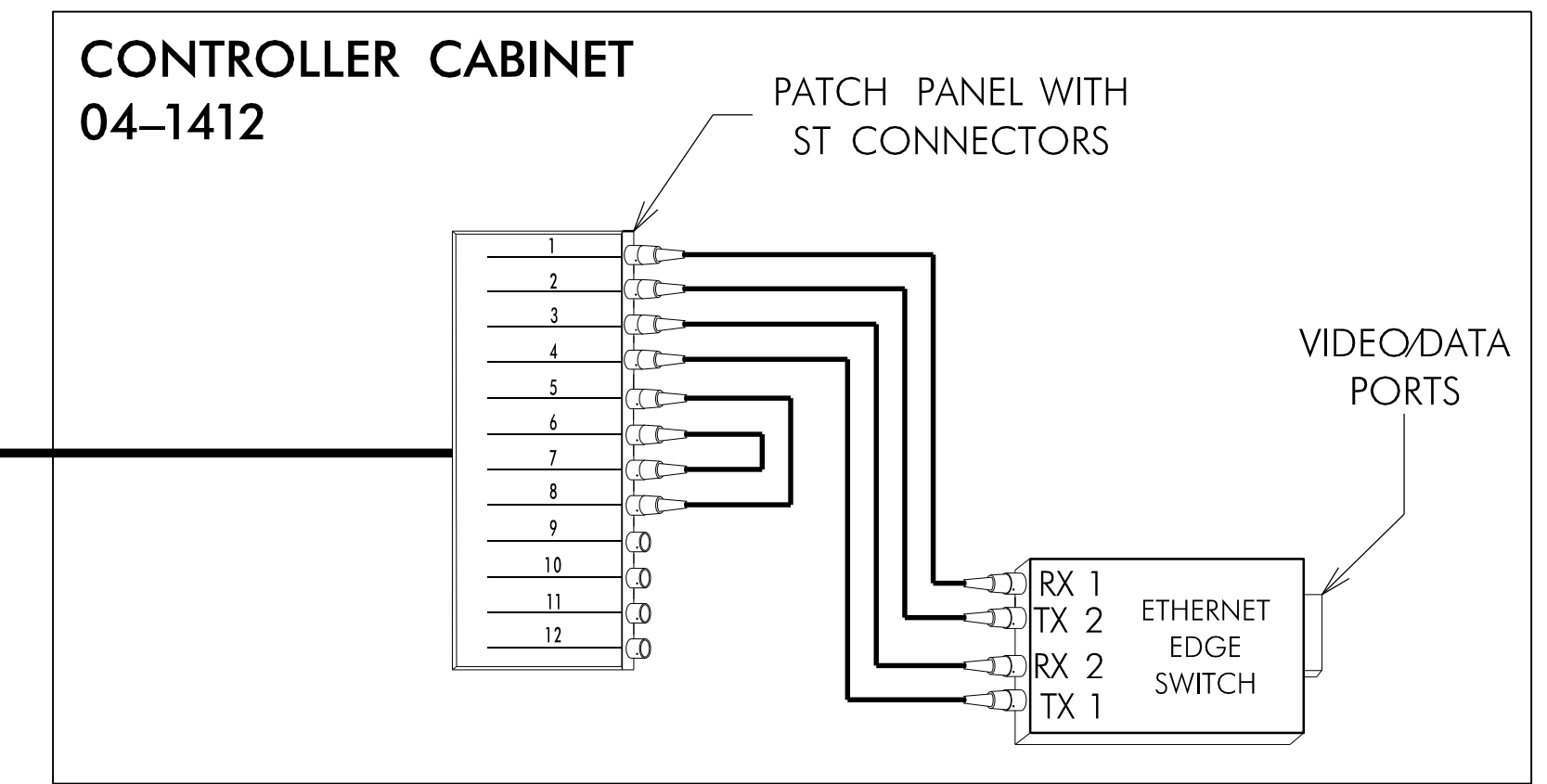
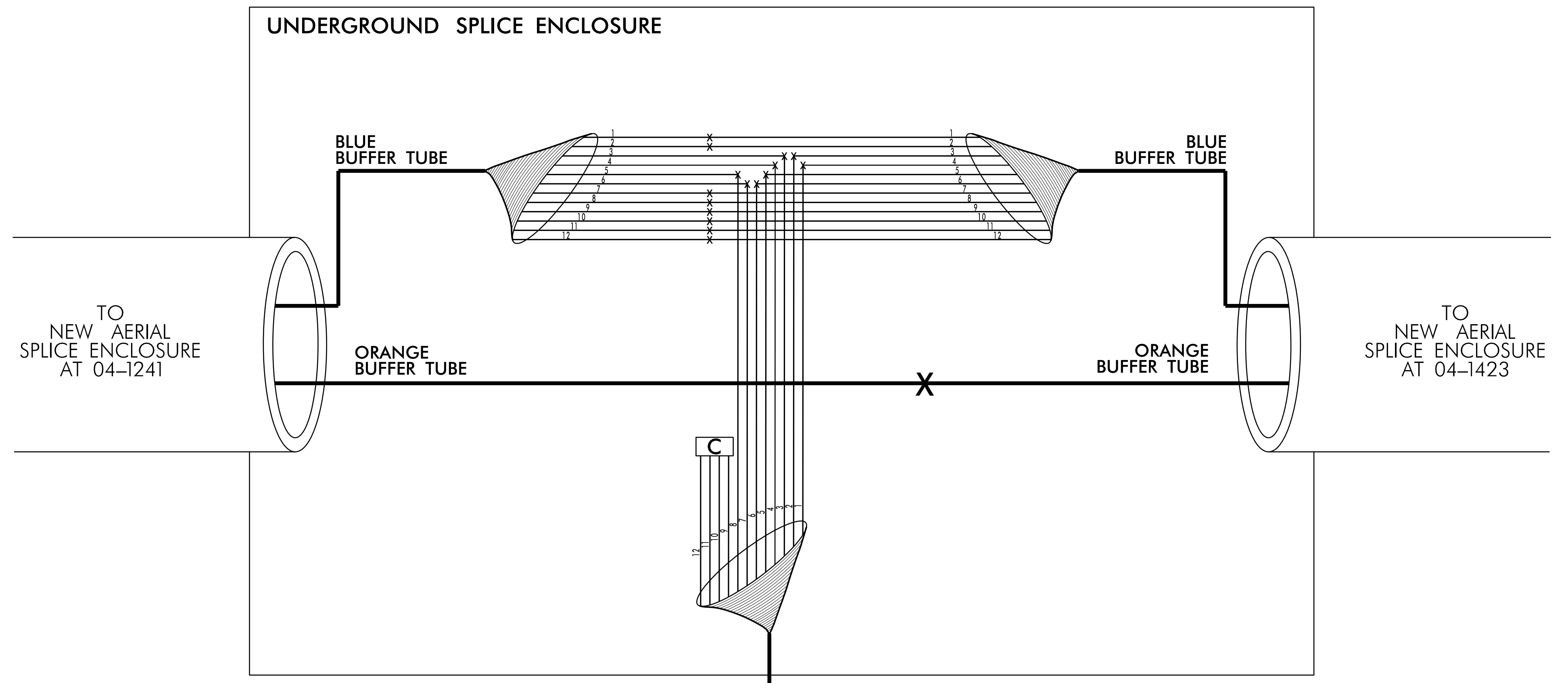
NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 37856  
 STEVEN W. COX  
 5/25/2018  
 CADD Filename:



**UNDERGROUND SPLICE ENCLOSURE**  
 AT NC 42 AND  
 SR 1704 (NEUSE RIVER PKWY)/  
 QUEEN ANN DR  
 SIG. INV. # 04-1412

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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



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- 3) COMPANY NAME
- 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

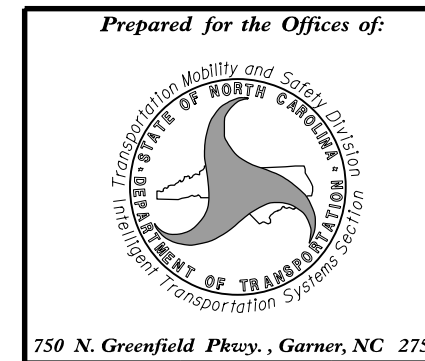
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

**NOTES:**

1. NOTIFY THE NCDOT DIVISION 4 TRAFFIC ENGINEER, ANDY BROWN, AT (252) 640-6505 EXT 3544, FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION 4 TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
2. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATIONS AND SHALL PERFORM ALL SPLICING AND TERMINATIONS IN CONTROLLER CABINET.

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Prepared by  
**URS**  
 URS Corporation - North Carolina  
 1600 Perimeter Park Drive  
 Morrisville, North Carolina 27560  
 TELEPHONE (919) 461-1100 FAX (919) 461-1415  
 NC LICENSE # C-2243



Splice Details	
Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 37856  
 STEVEN W. COX  
 5/25/2018  
 CADD Filename:



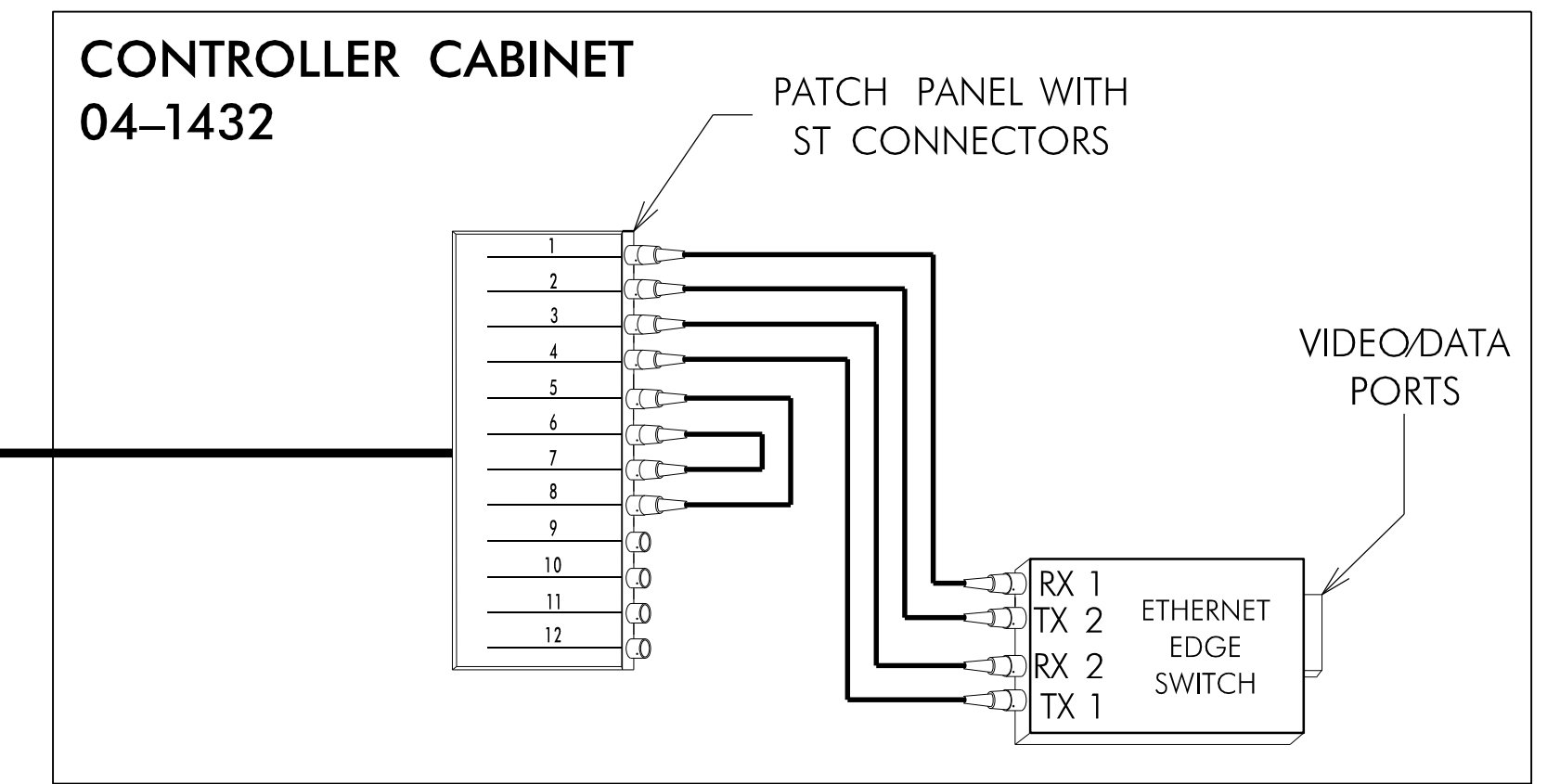
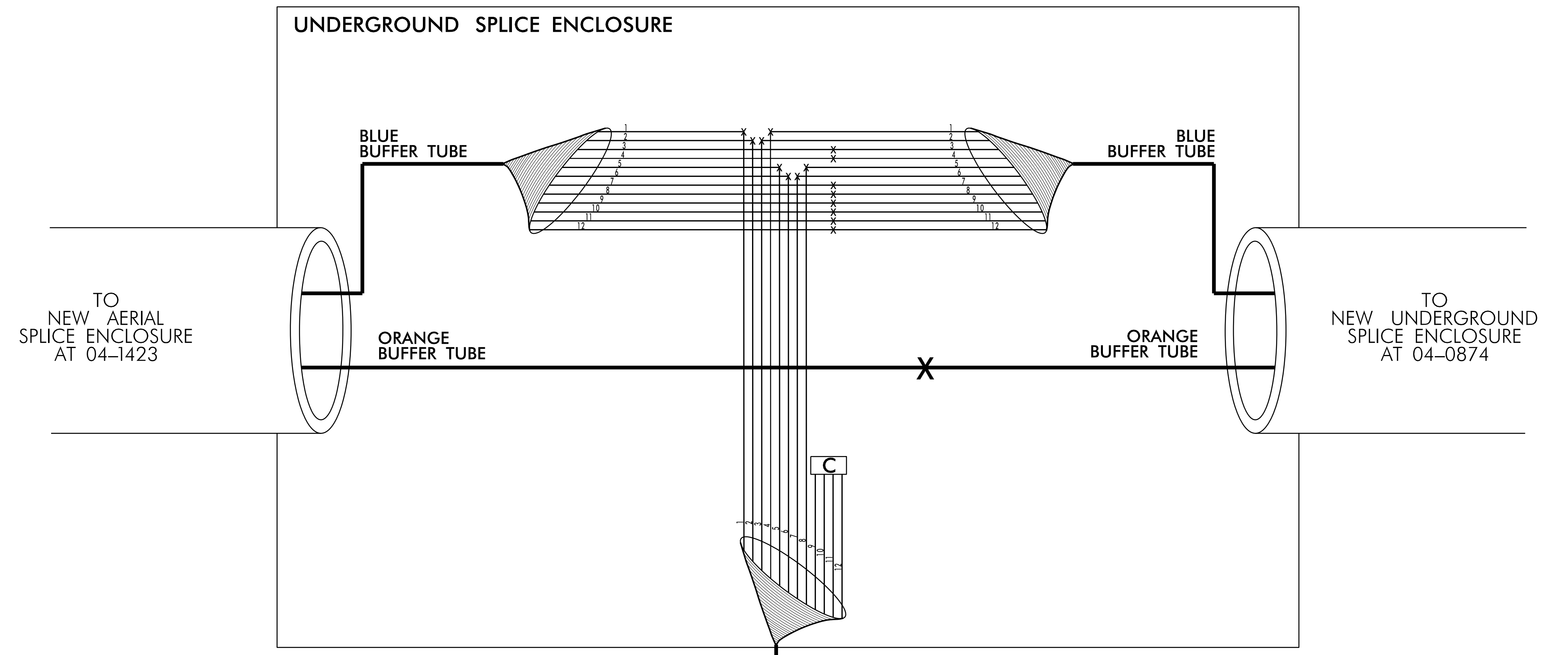


**UNDERGROUND SPLICE ENCLOSURE  
AT NC 42 AND FLOWERS PKWY**

SIG. INV. # 04-1432

COLOR CODE TIA/EIA 598-A		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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



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

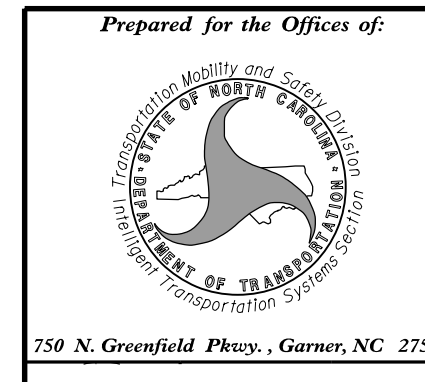
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

**NOTES:**

1. NOTIFY THE NCDOT DIVISION 4 TRAFFIC ENGINEER, ANDY BROWN, AT (252) 640-6505 EXT 3544, FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION 4 TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
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Prepared by  
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NC LICENSE # C-2243



Division 4 Johnston County Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. Cox	REVIEWED BY:
REVISIONS	INIT. DATE

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SEAL

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
STEVEN W. COX  
37856

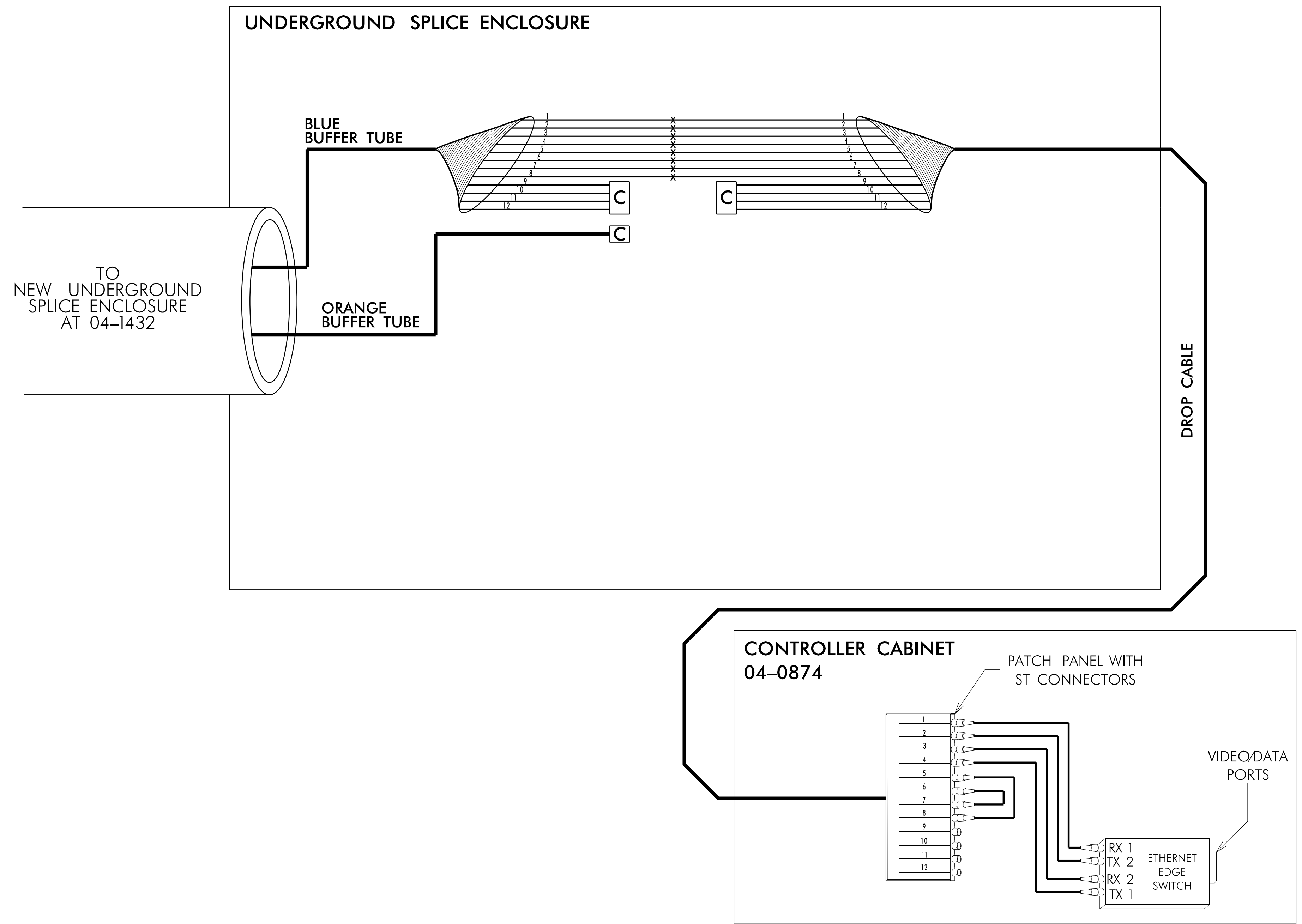
5/25/2018

CADD Filename:

**SPLICE ENCLOSURE**  
 AT NC 42 AND SR 1003 (BUFFALO RD)  
 SIG. INV. # 04-0874

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

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



**NOTES:**

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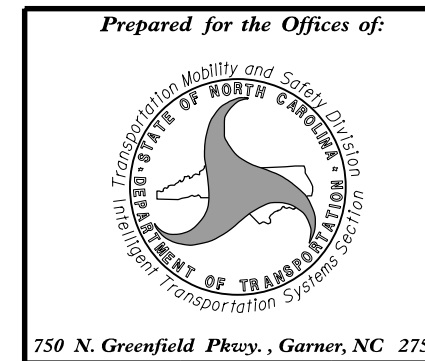
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- 1) SPLICE LOCATION
- 2) DATE
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