

CHANNEL 4  
SPLICE ENCLOSURE AT  
(FRANKLIN BLVD. [US 29/74] AT  
THOMAS ST./BELVEDERE AVE.)  
SIG ID 12-0048  
CCTV CAMERA-12

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

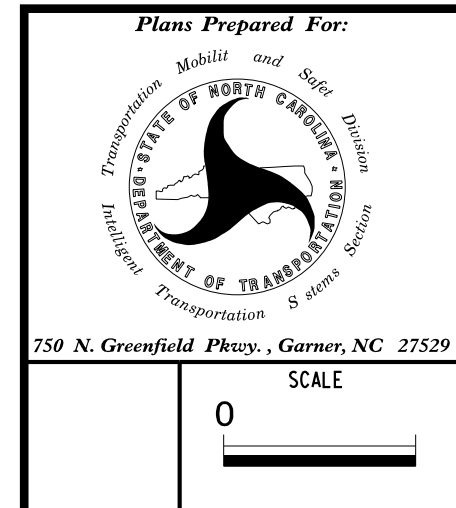
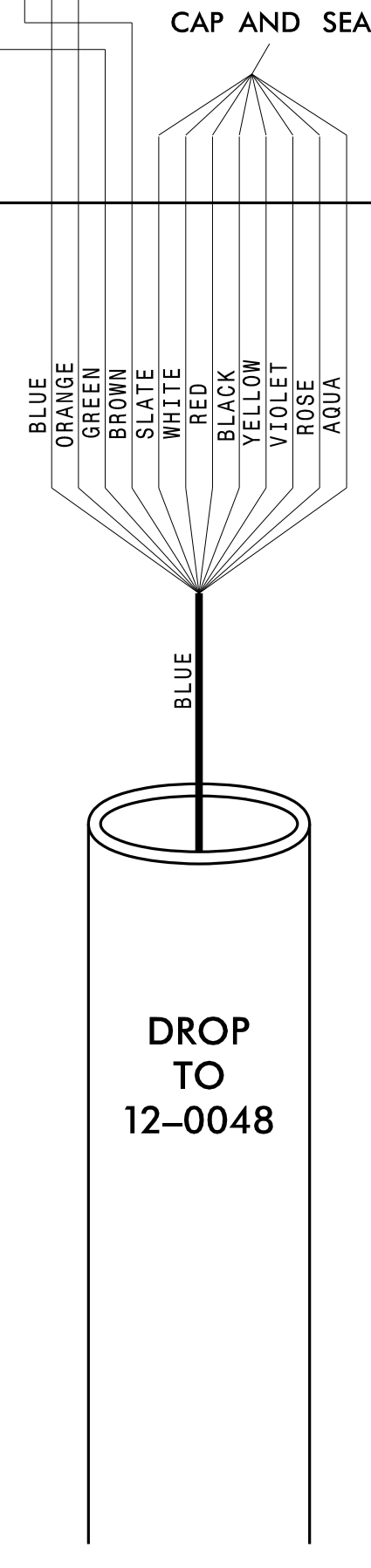
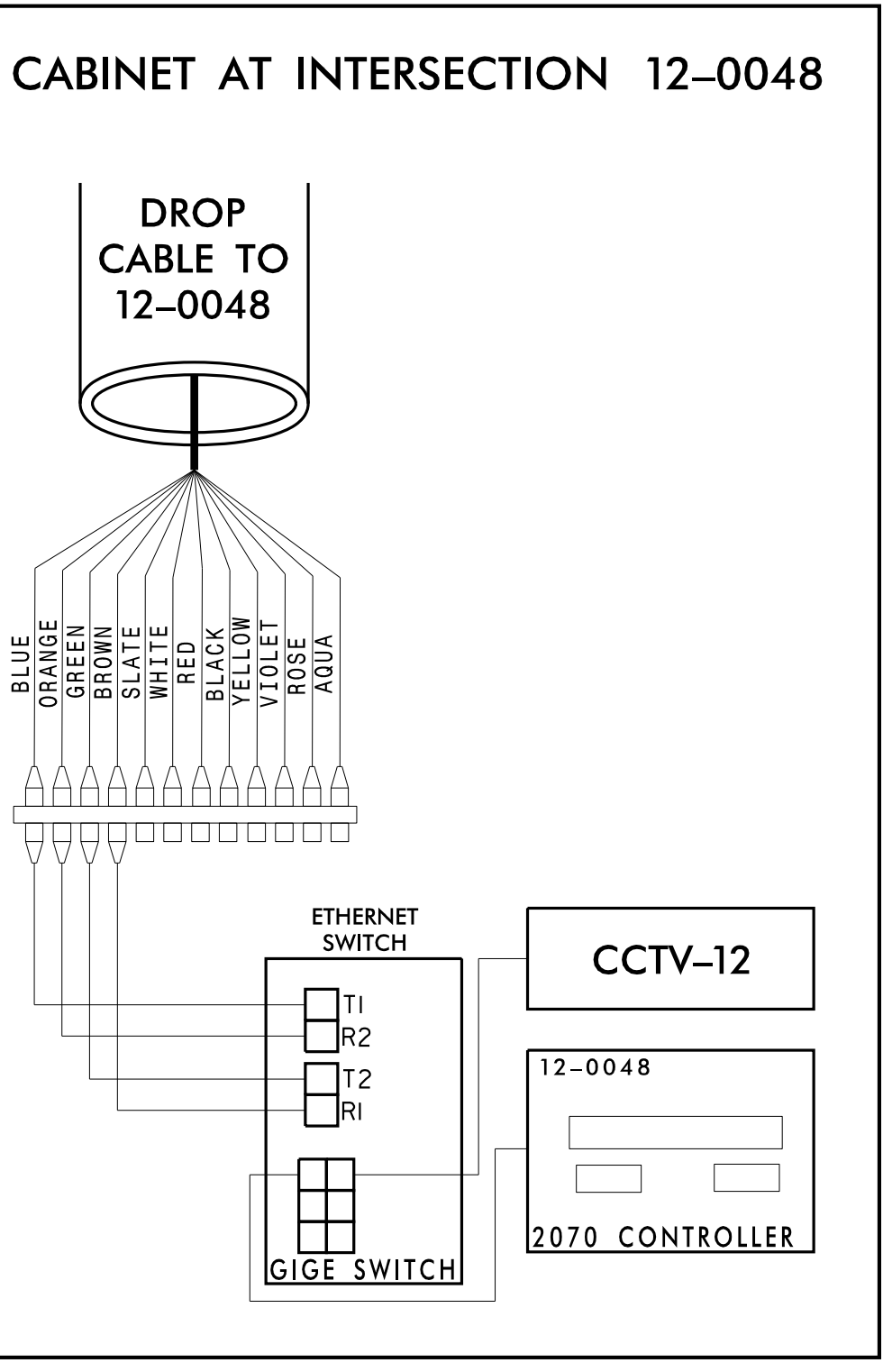
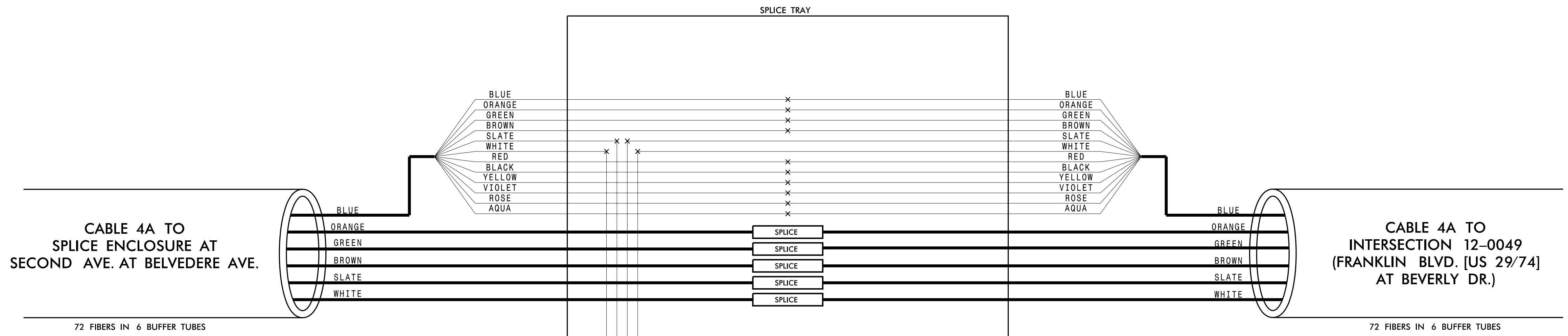
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

**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.



**CHANNEL 4**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS		INIT.	DATE

**Kimley-Horn**  
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 421 Fayetteville St., Suite 600  
 Raleigh, NC 27601  
 Tel: (919) 677-2000  
 Fax: (919) 677-2050

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 IGER Z. VAN OSDELL  
 3/16/2022  
 DATE

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTO\ITS\01036569\_Gastonia\_SignalSystem\6\_Tasks\Splicing\SPL034.dgn

CHANNEL 4  
SPLICE ENCLOSURE AT  
(FRANKLIN BLVD. [US 29/74]  
AT BEVERLY DR.)  
SIG ID 12-0049

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

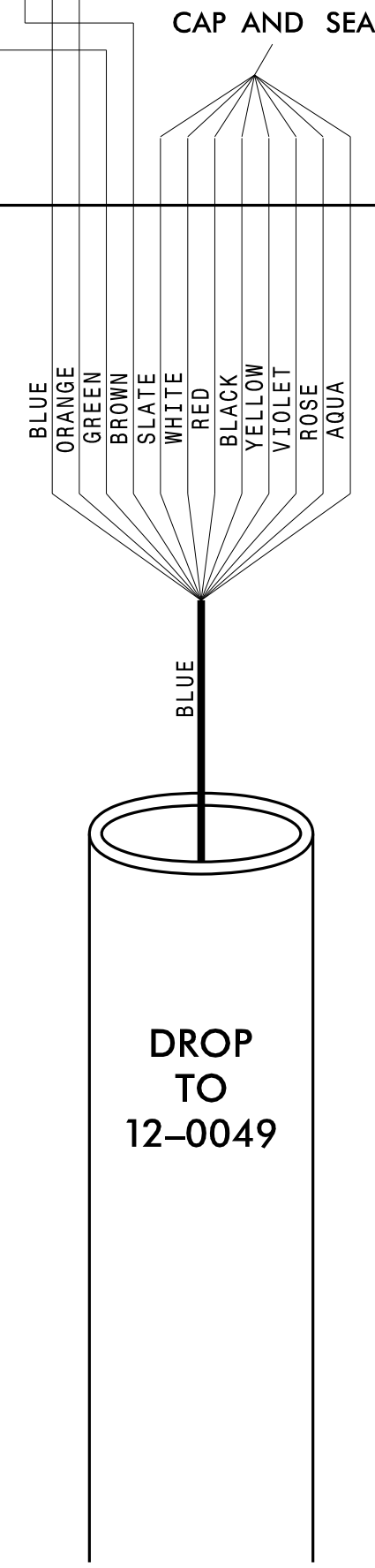
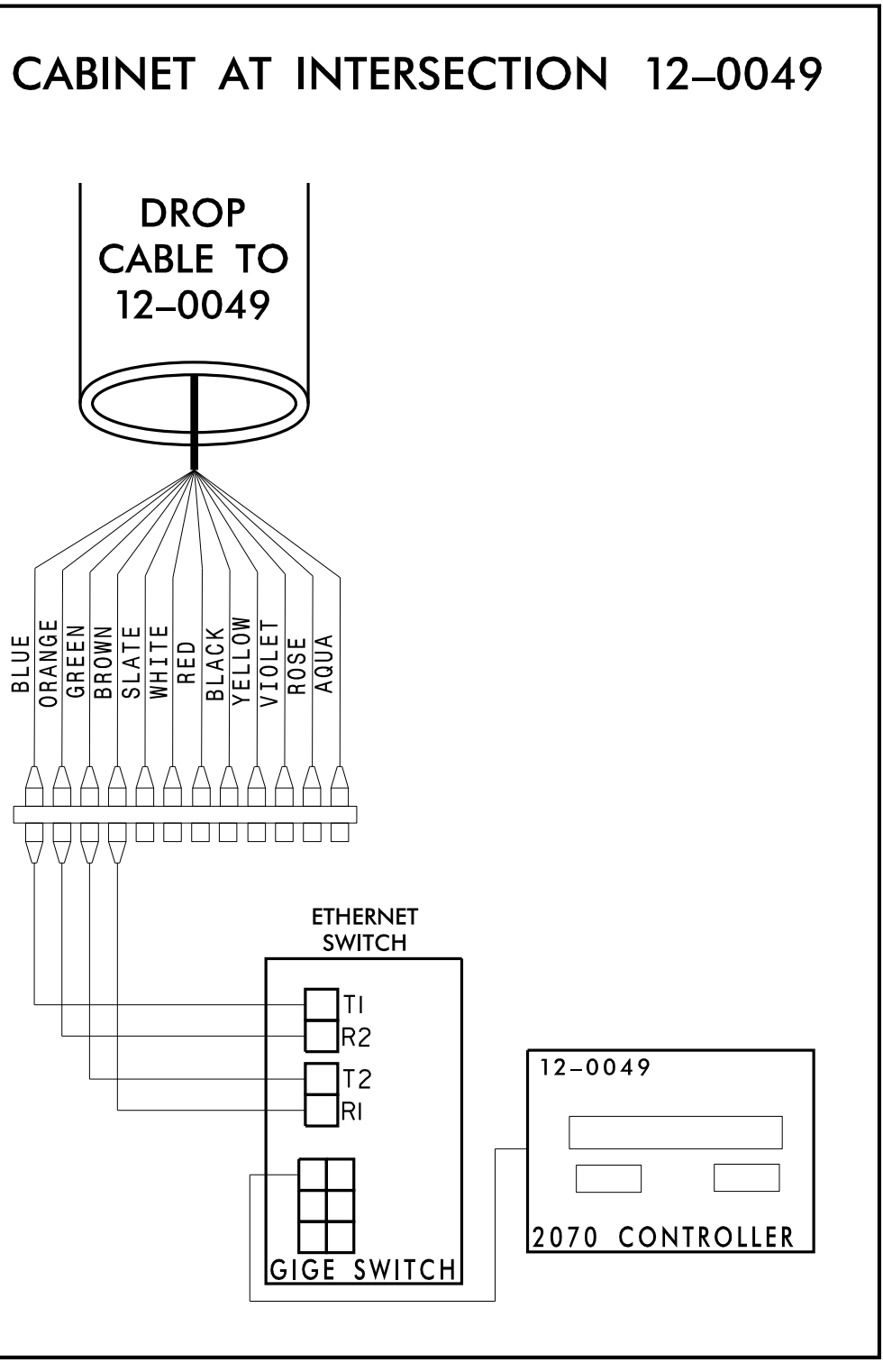
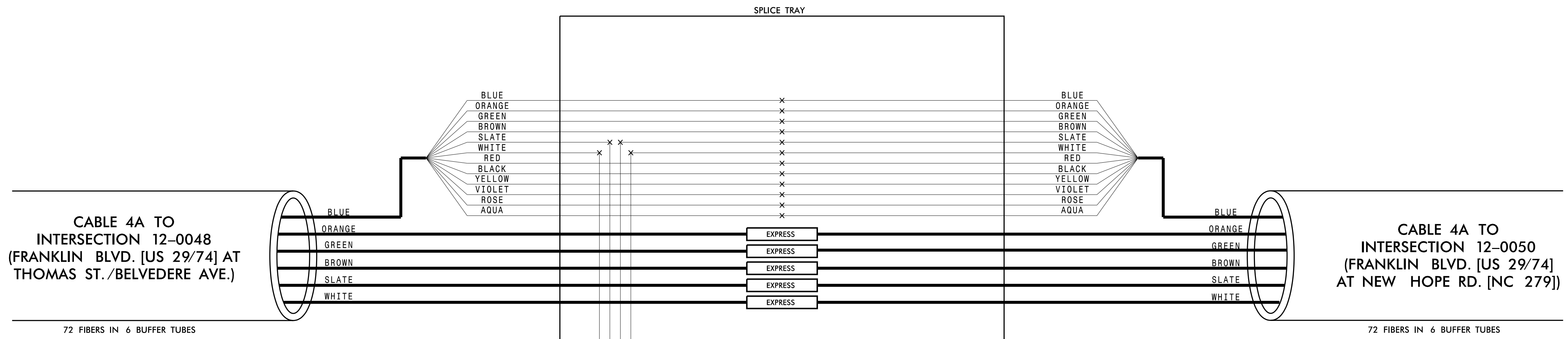
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
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SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

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CHANNEL 5  
SPLICE ENCLOSURE AT  
FRANKLIN BLVD. (US 29/74) AT YORK RD. (US 321)  
SIG ID 12-0039 (FRANKLIN BLVD. [US 29/74] AT YORK RD. [US 321])  
SIG ID 12-0086 (YORK RD. [US 321] AT MAIN AVE.)  
CCTV CAMERA-09

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

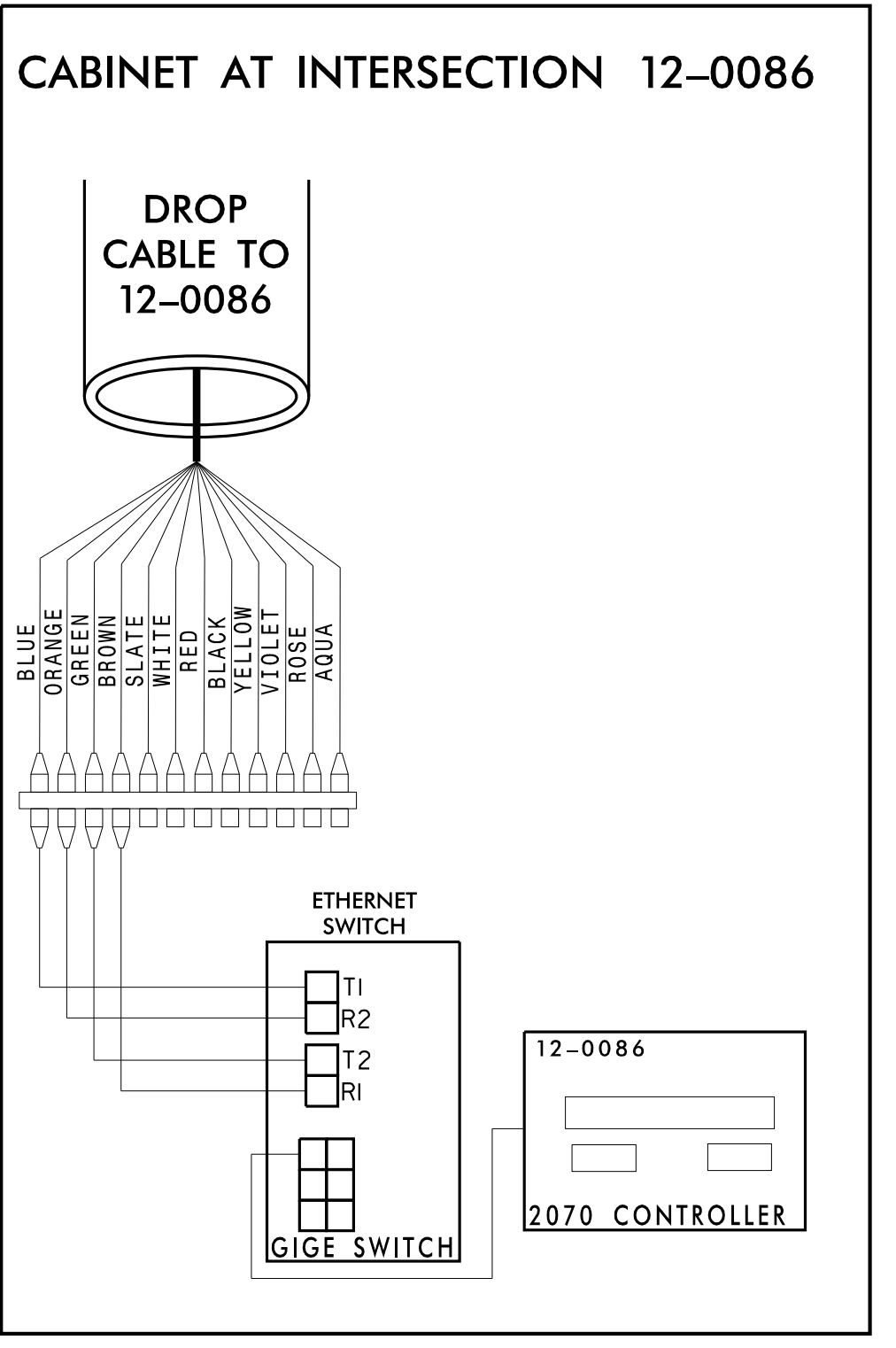
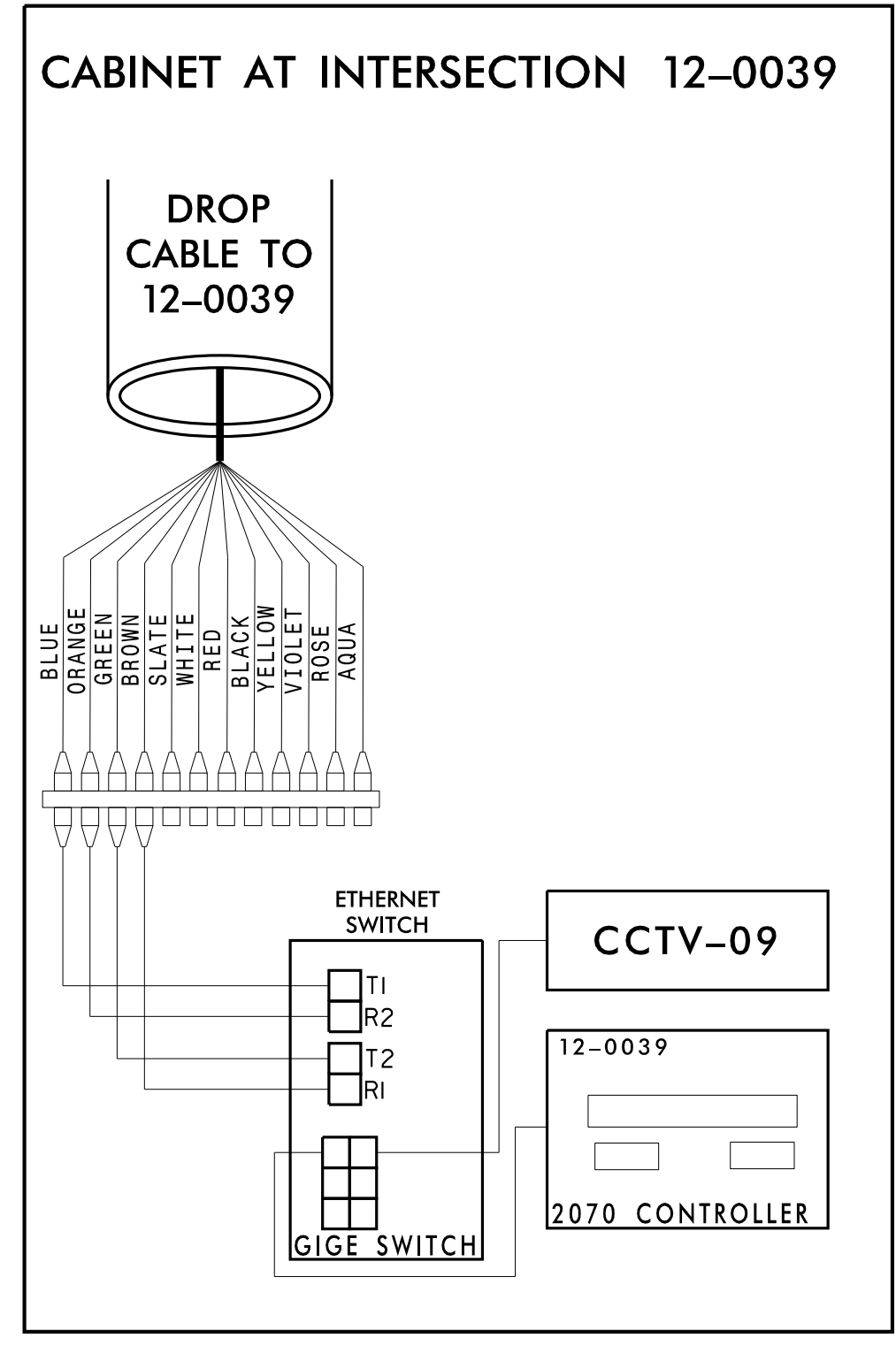
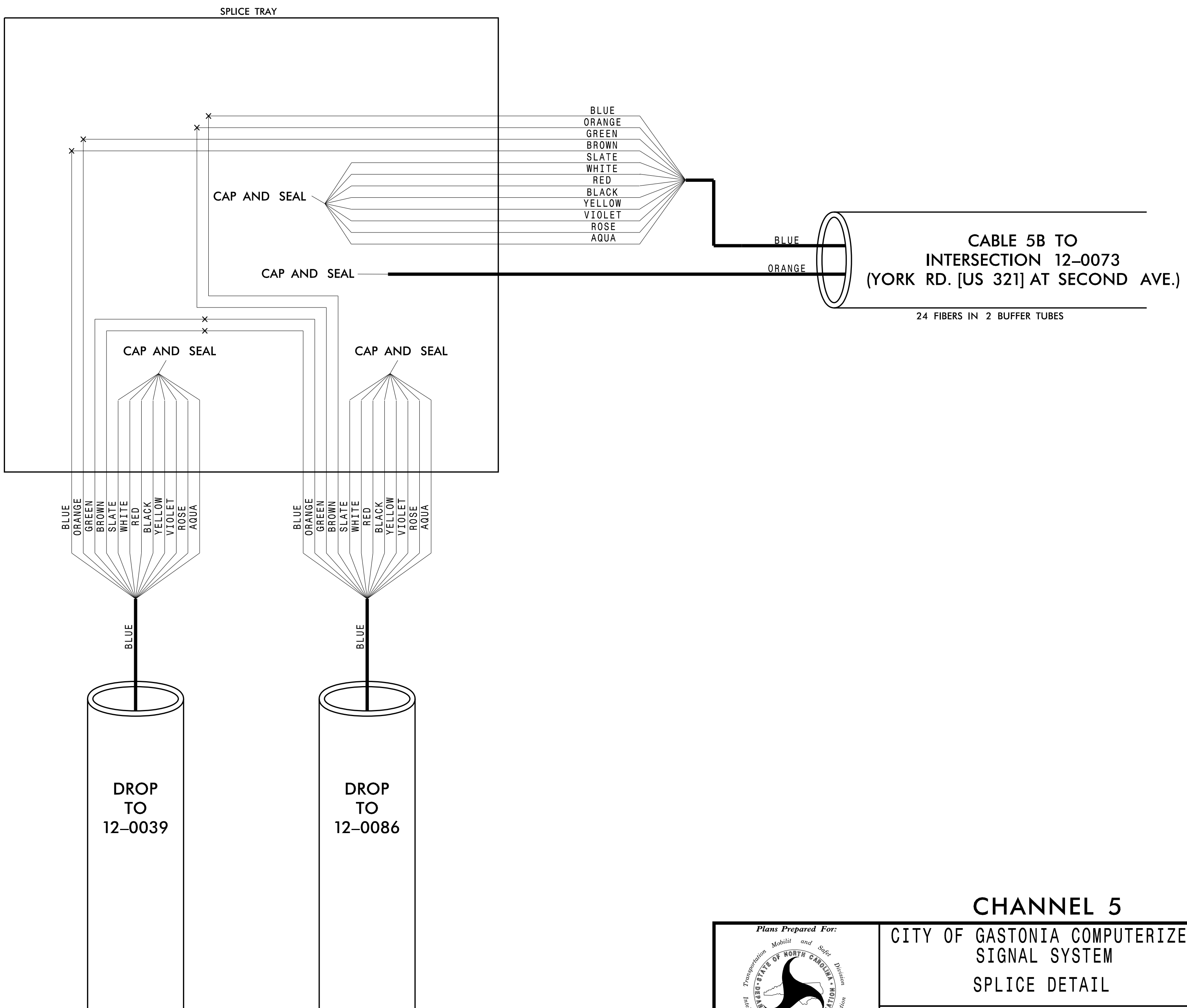
(1) BLUE	(7) RED
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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

Scale: 0

Revisions table with columns: REVISIONS, INIT., DATE

Professional Engineer Seal: **Kimley»Horn**, NC License #F-0102, 421 Fayetteville St., Suite 600, Raleigh, NC 27601, Tel: (919) 677-2000, Fax: (919) 677-2050. Engineer: **Inger Van Osdel**, Seal 028952, Date 3/16/2022.

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CHANNEL 5  
SPLICE ENCLOSURE AT  
(YORK RD. [US 321] AT SECOND AVE.)  
SIG ID 12-0073

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

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

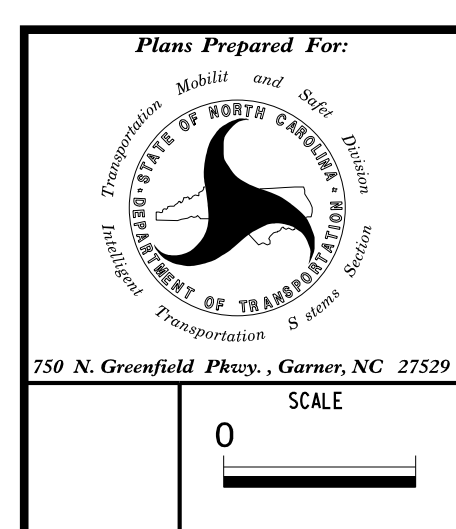
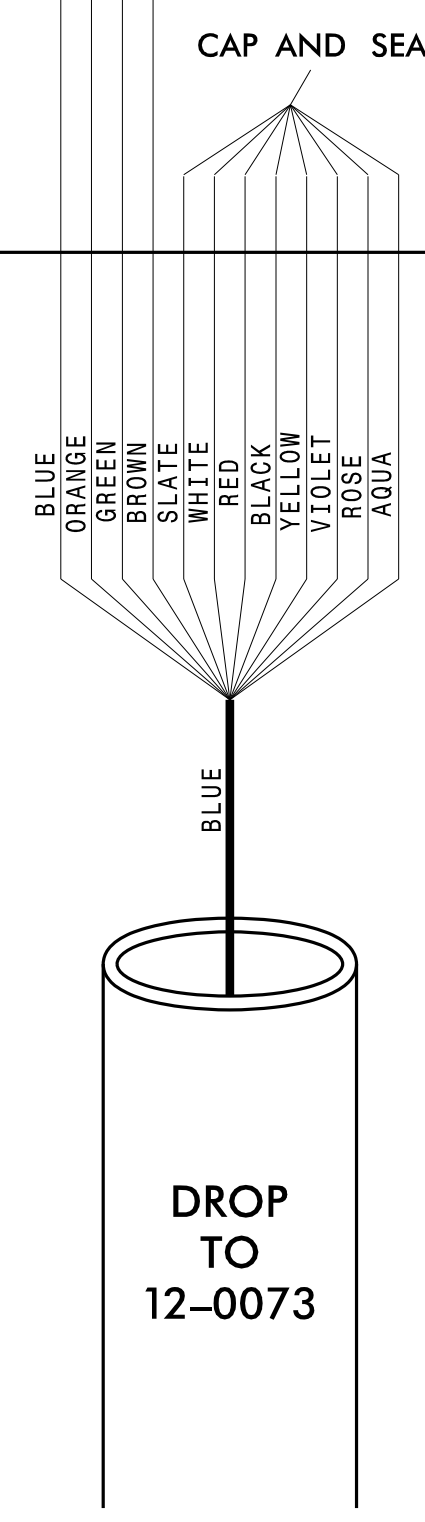
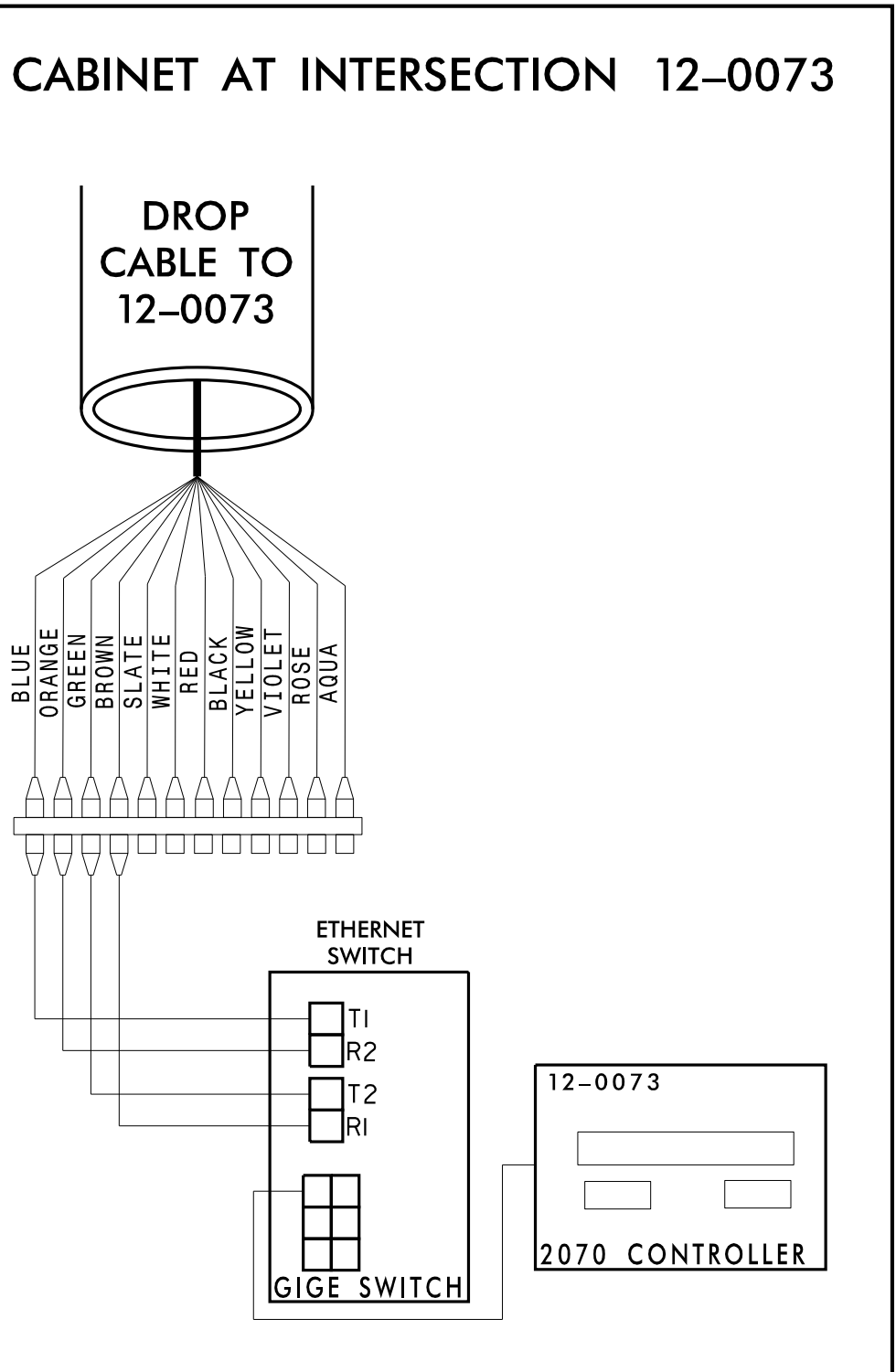
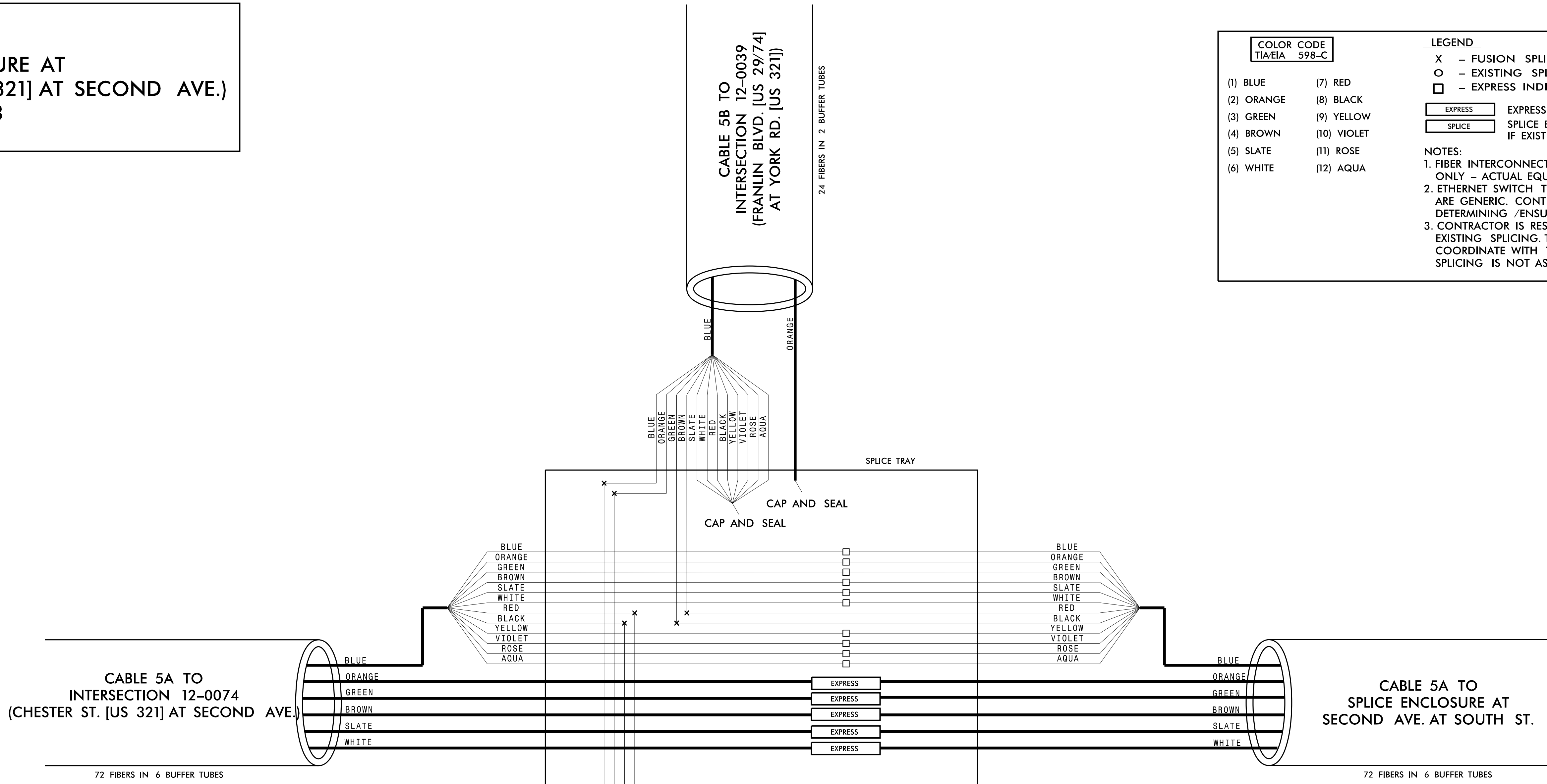
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**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

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Inger Van Osdel  
3/16/2022

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CHANNEL 5  
SPLICE ENCLOSURE AT  
SECOND AVE. AT SOUTH ST.  
SIG ID 12-0040 (FRANKLIN BLVD [US 29/74]  
AT SOUTH ST.)

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

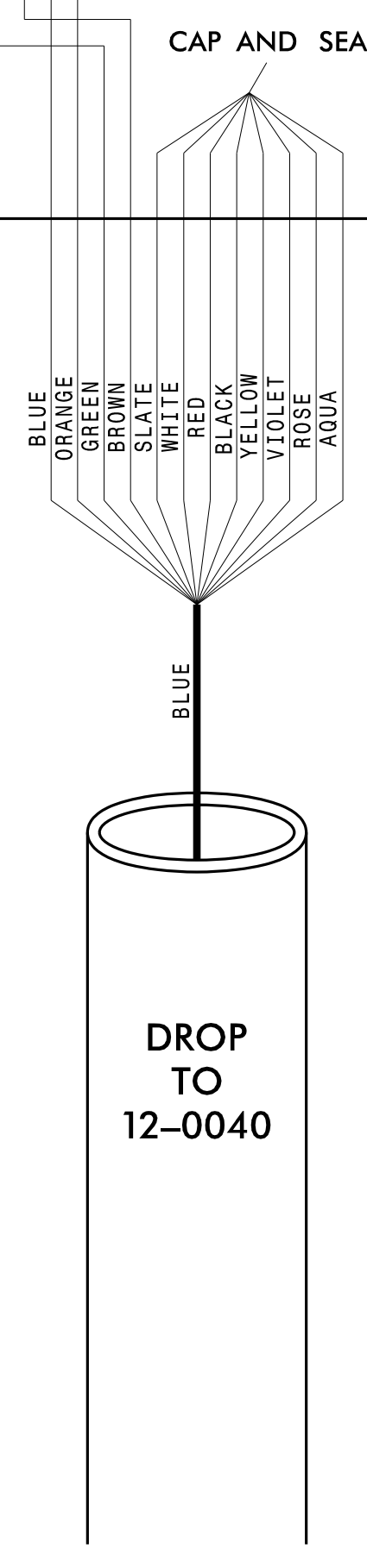
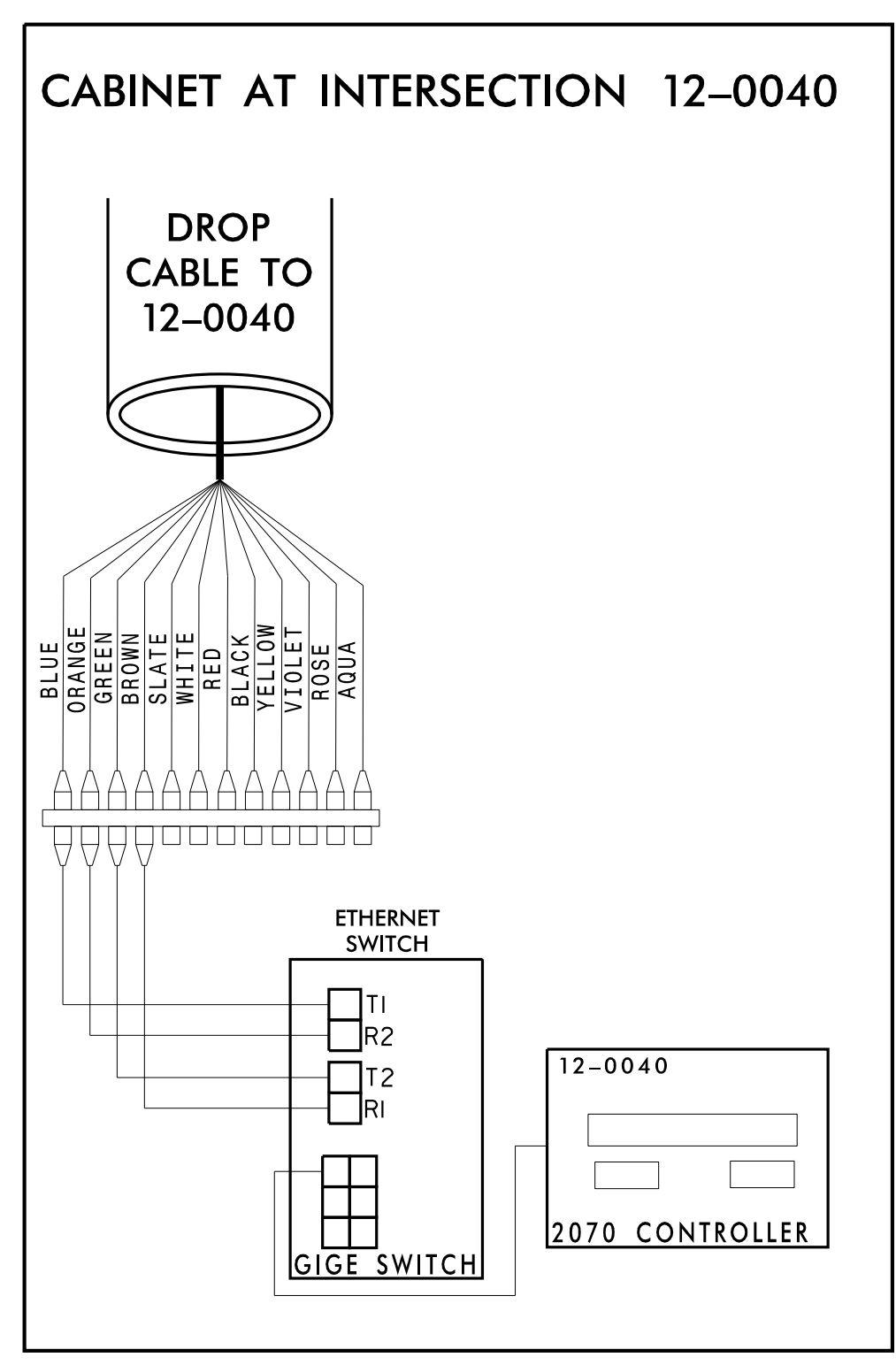
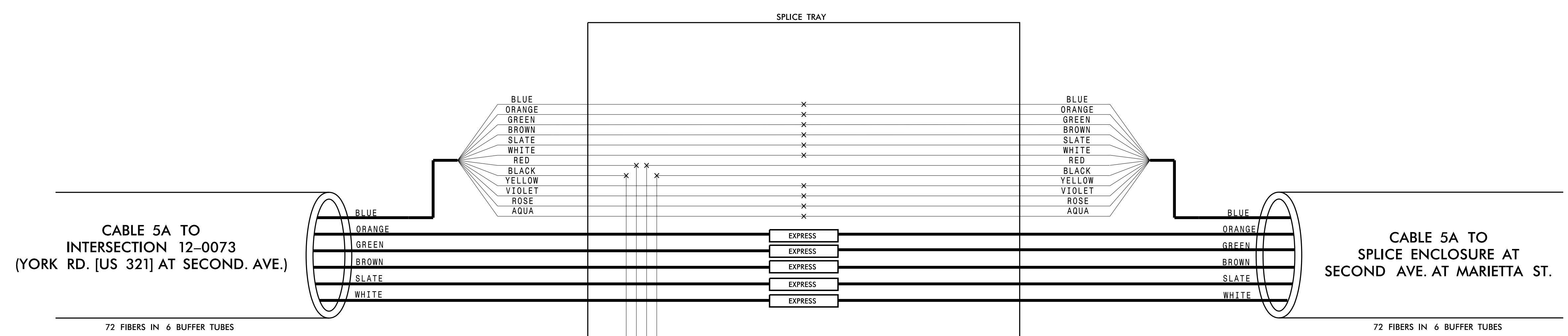
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
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SPlice DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

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DocuSigned by: Inger Van OsdeLL 3/16/2022

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CHANNEL 5  
SPLICE ENCLOSURE AT  
SECOND AVE. AT MARIETTA ST.  
SIG ID 12-0041 (FRANKLIN BLVD. [US 29/74]  
AT MARIETTA ST.)

**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

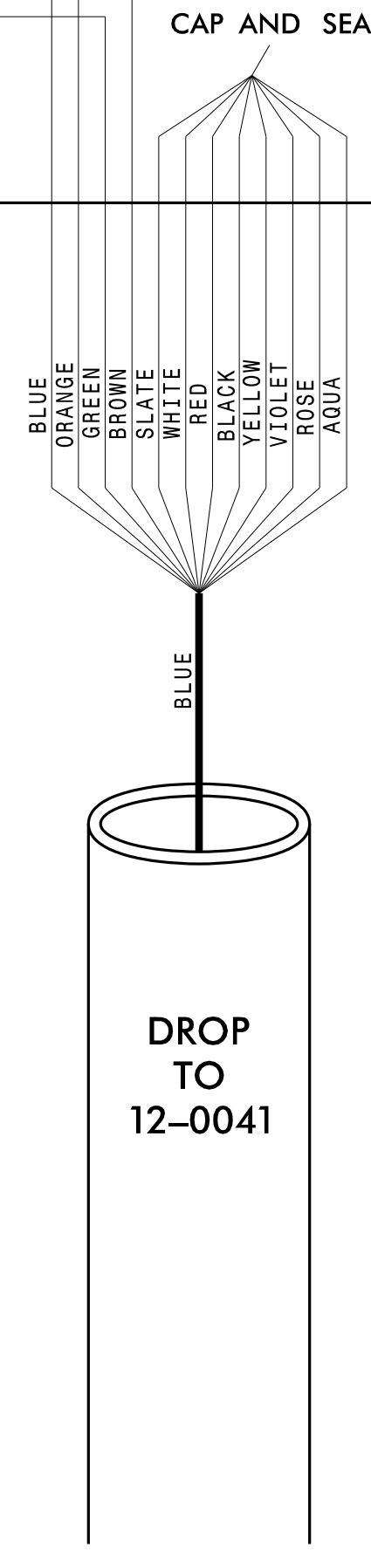
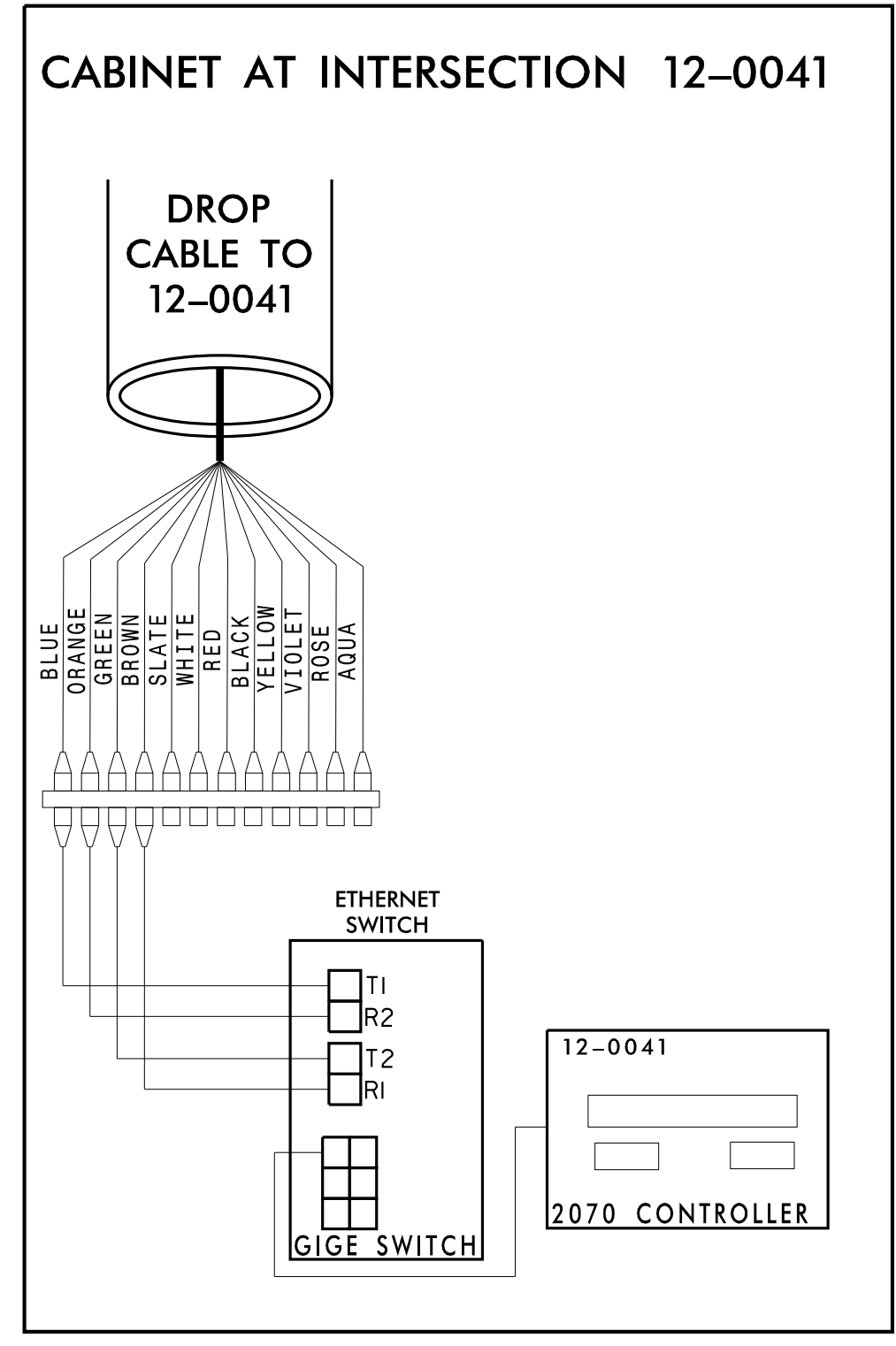
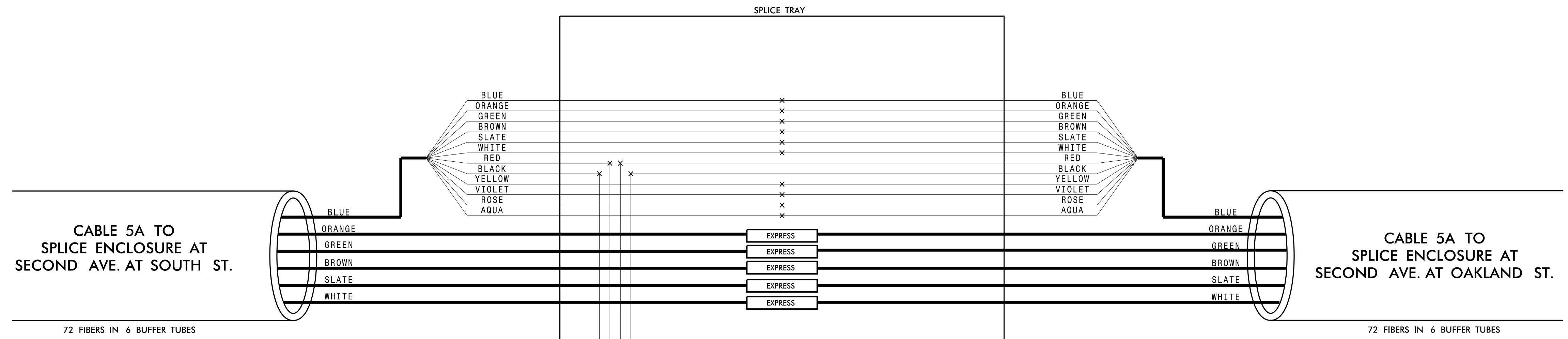
**LEGEND**

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CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952 INGER Z. VAN OSDELL ENGINEER

CADD File name: \_\_\_\_\_

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CHANNEL 5  
SPLICE ENCLOSURE AT  
SECOND AVE. AT OAKLAND ST.

**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

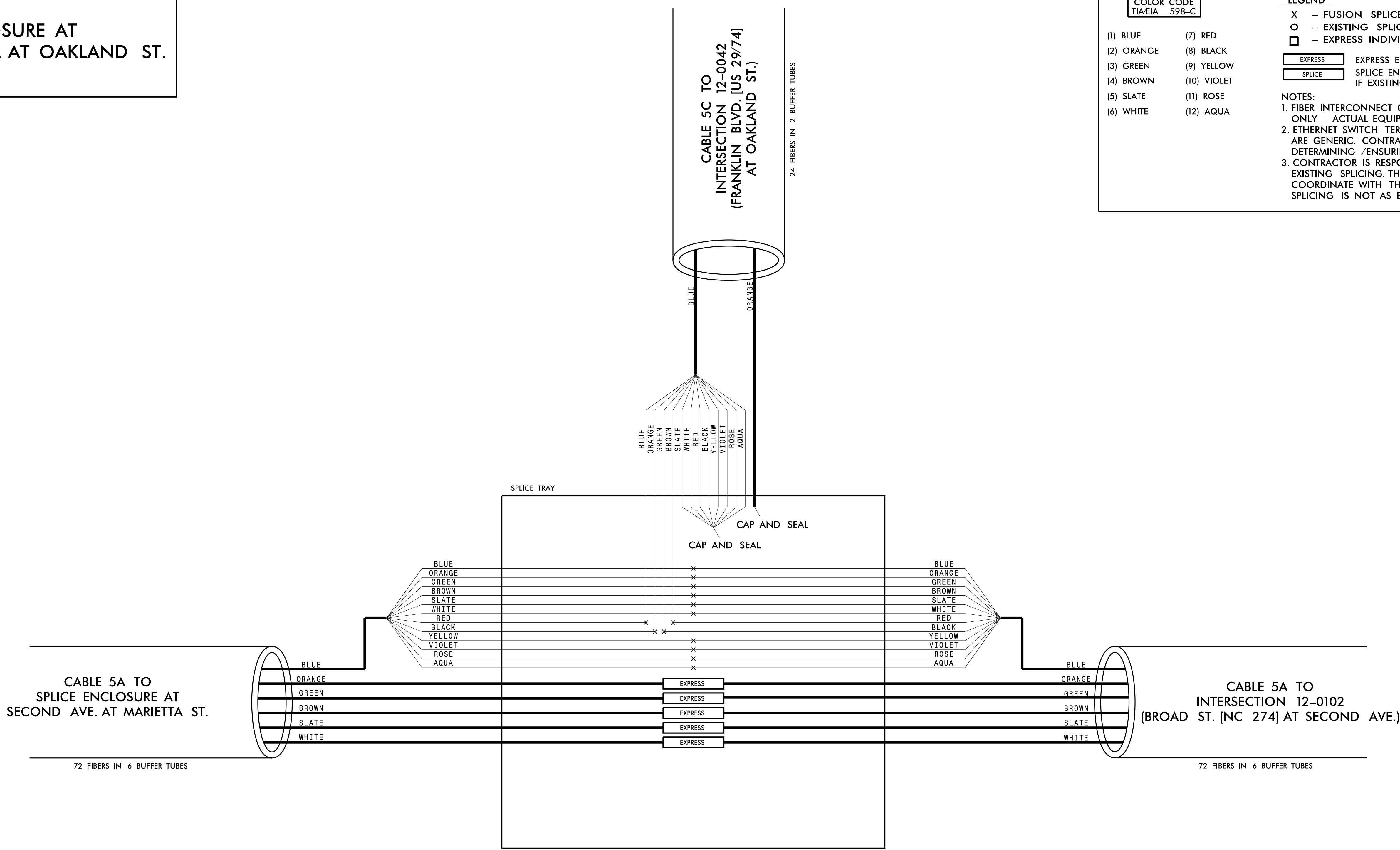
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**CHANNEL 5**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

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DocuSigned by: Inger Van OsdeLL 3/16/2022  
 SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 INGER Z. VAN OSDELL ENGINEER

CADD Filename: \_\_\_\_\_



CHANNEL 5  
SPLICE ENCLOSURE AT  
FRANKLIN BLVD. (US 29/74) AT OAKLAND ST.  
SIG ID 12-0042 (FRANKLIN BLVD. [US 29/74] AT OAKLAND ST.)  
SIG ID CITY-06 (MAIN AVE. AT OAKLAND ST.) (WIRELESS)

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

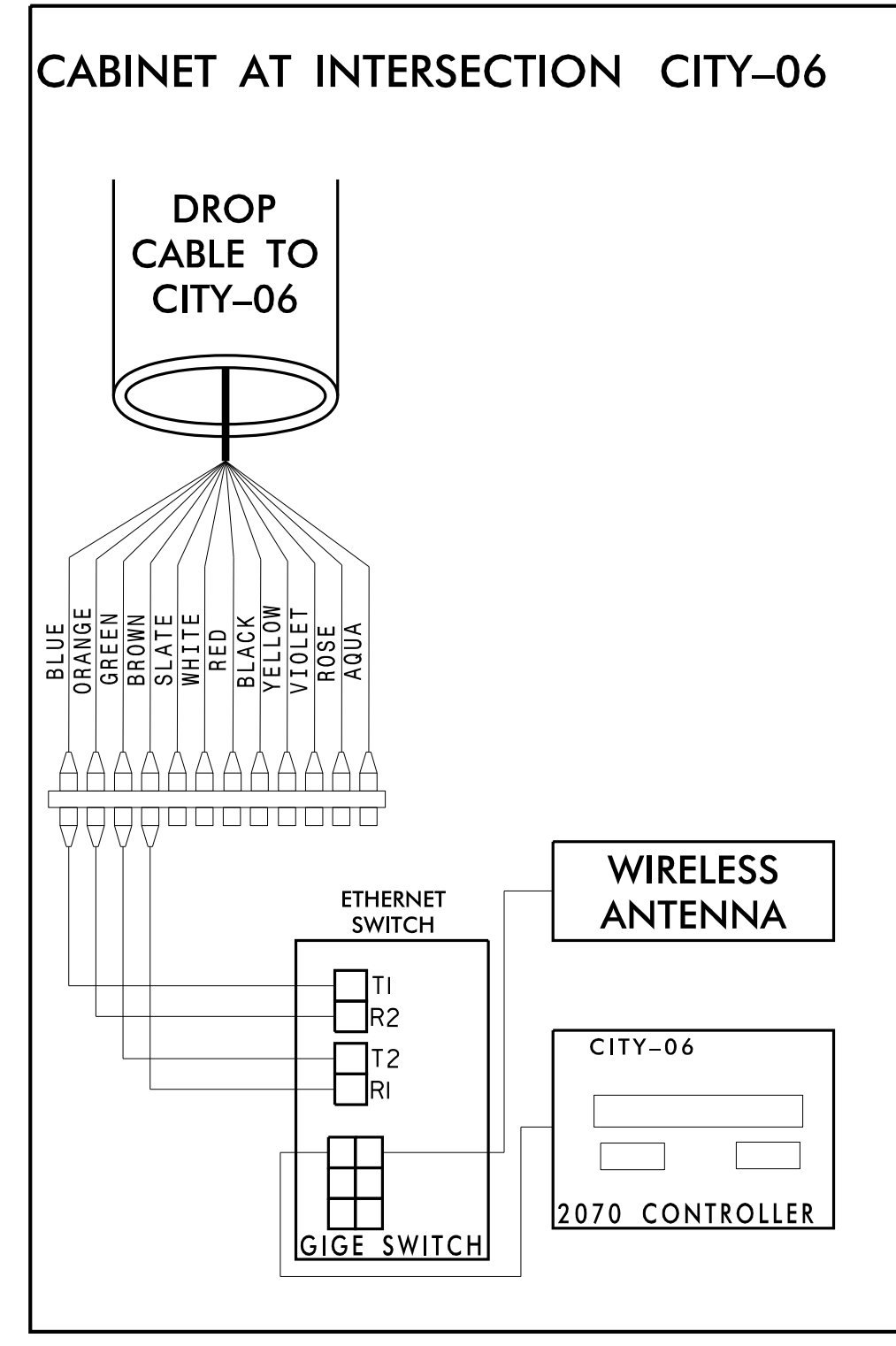
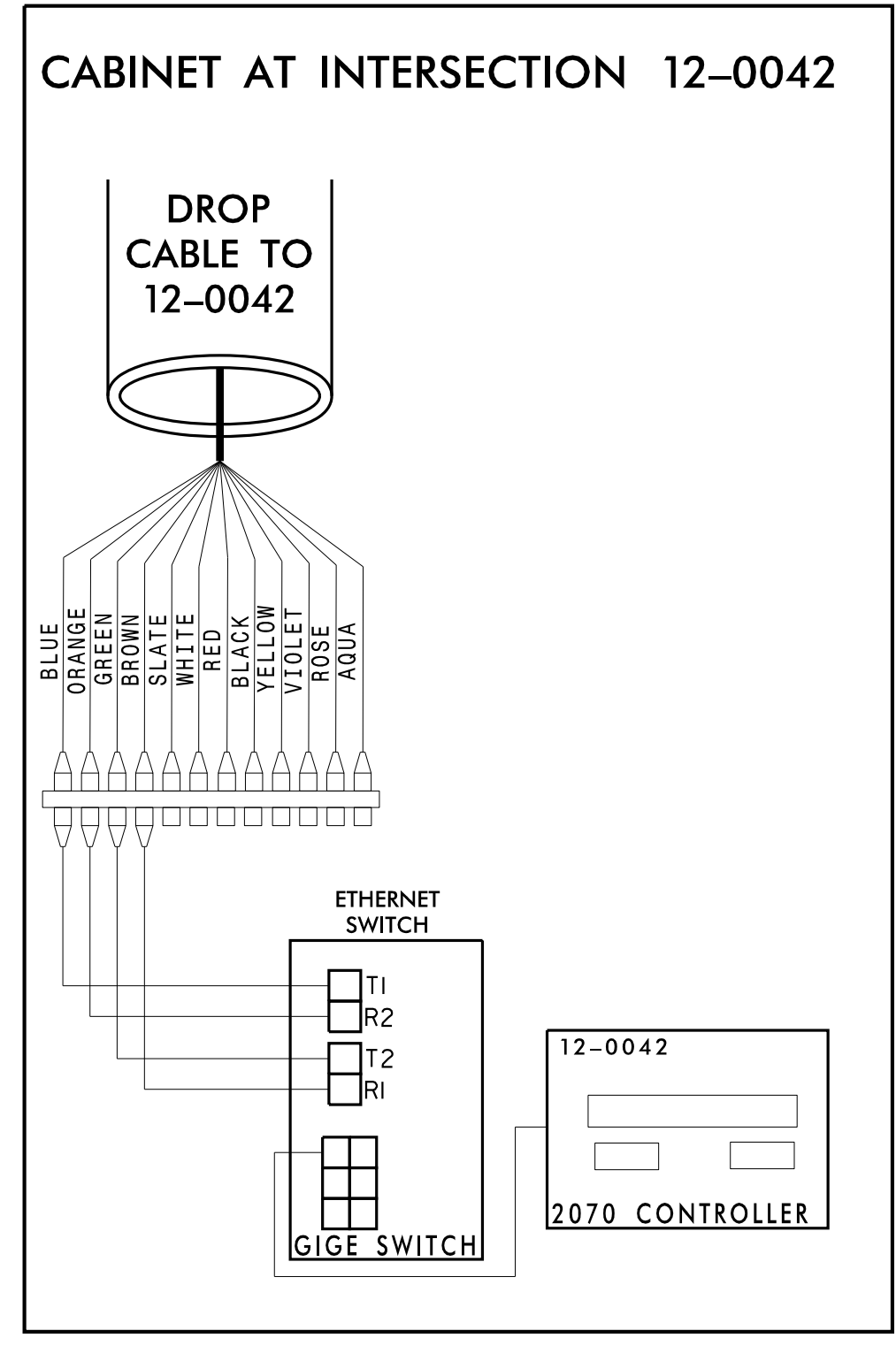
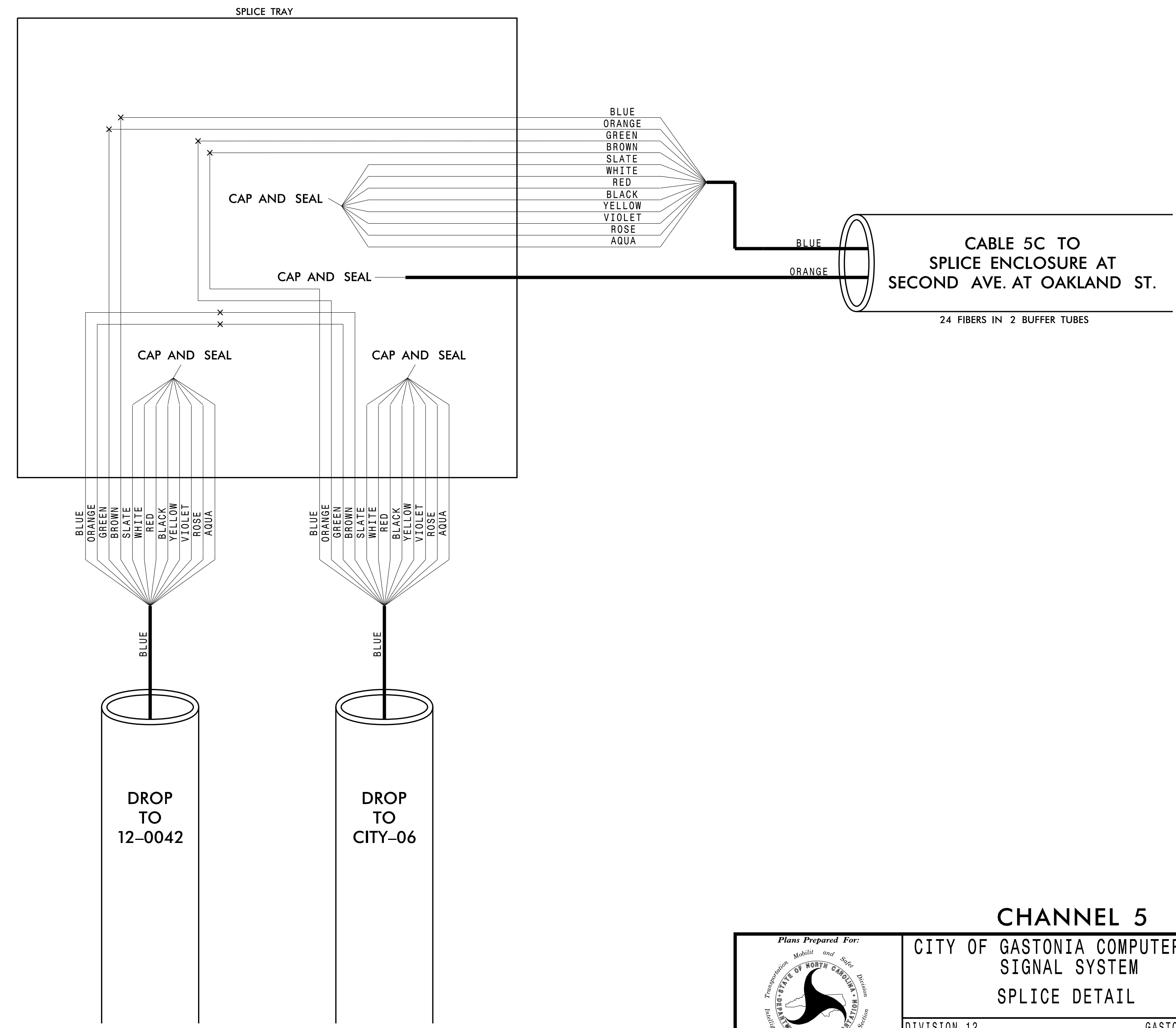
(1) BLUE	(7) RED
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SPlice DETAIL

DIVISION 12 GASTON COUNTY  
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 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

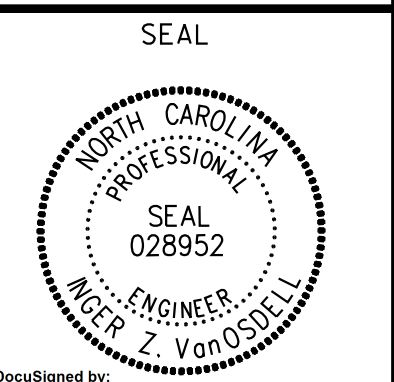
Scale: 0

Revisions table with columns: REVISIONS, INIT., DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

CADD File name:

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 Fax: (919) 677-2050



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CHANNEL 5  
SPLICE ENCLOSURE AT  
BROAD ST. (NC 274) AT SECOND AVE.  
SIG ID 12-0102 (BROAD ST. [NC 274] AT SECOND AVE.)  
SIG ID 12-0043 (FRANKLIN BLVD. [US 29/74] AT BROAD ST. [NC 274])  
CCTV CAMERA-10

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

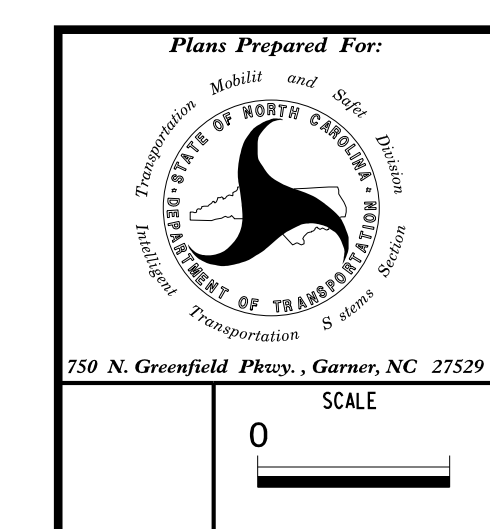
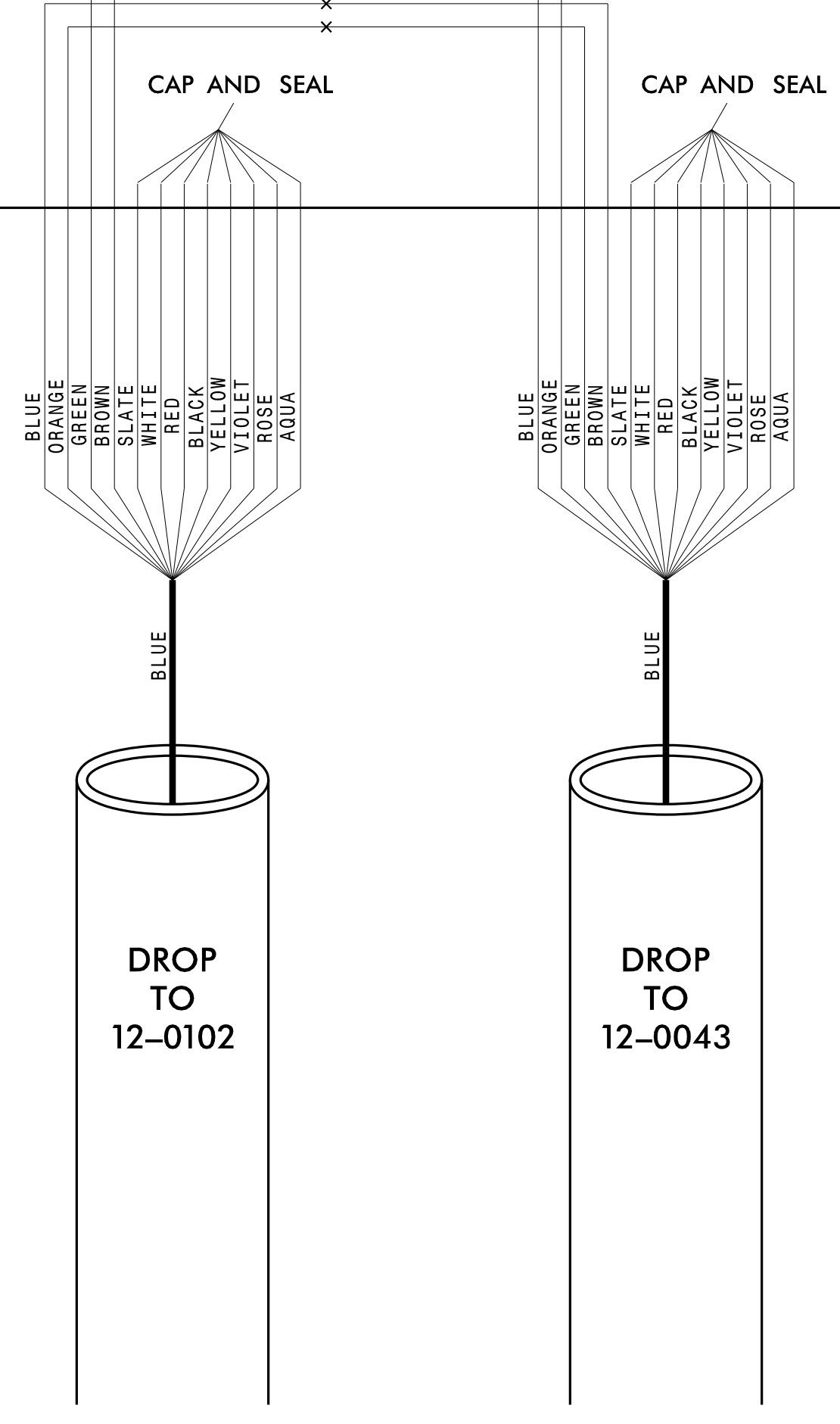
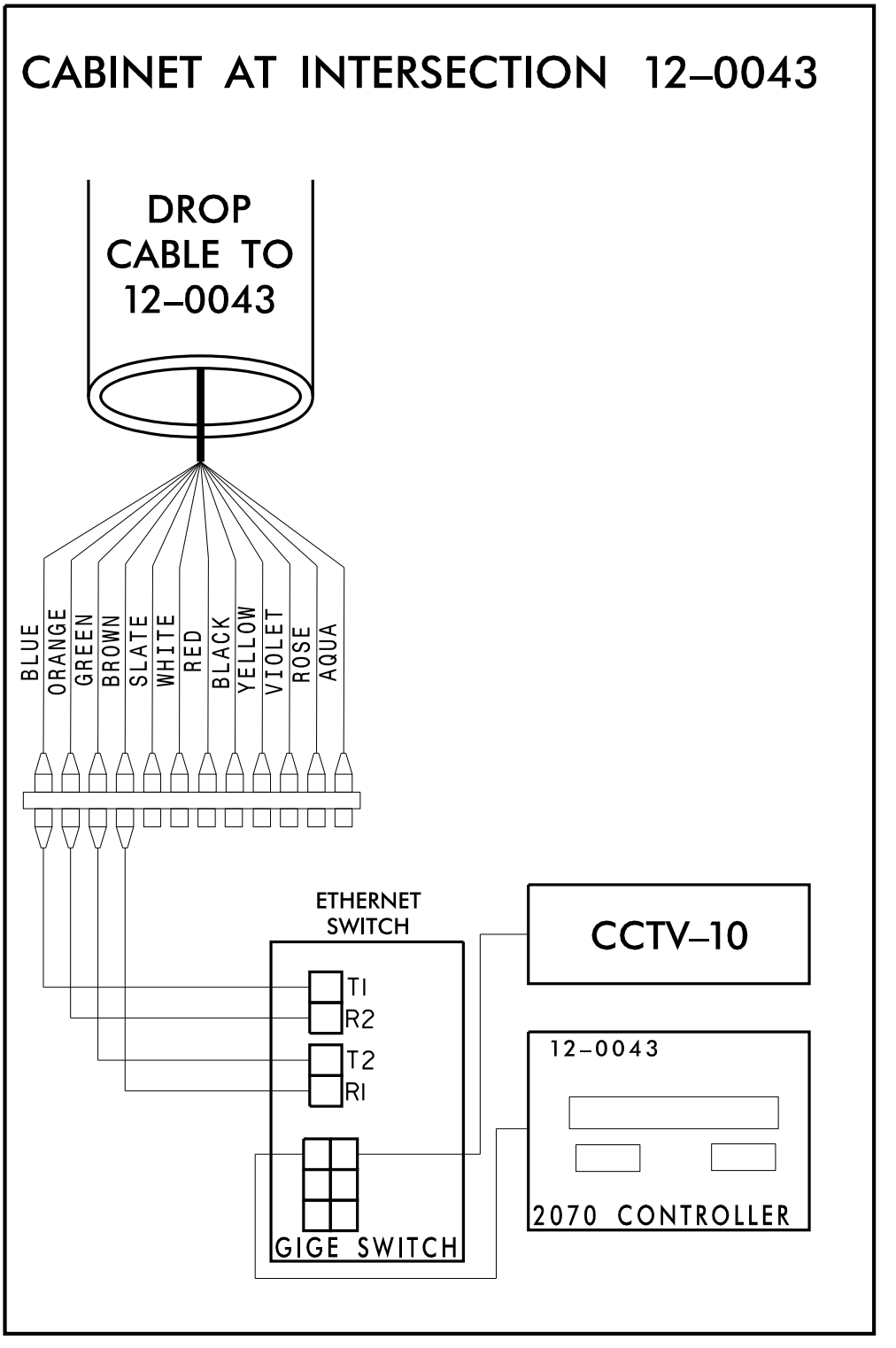
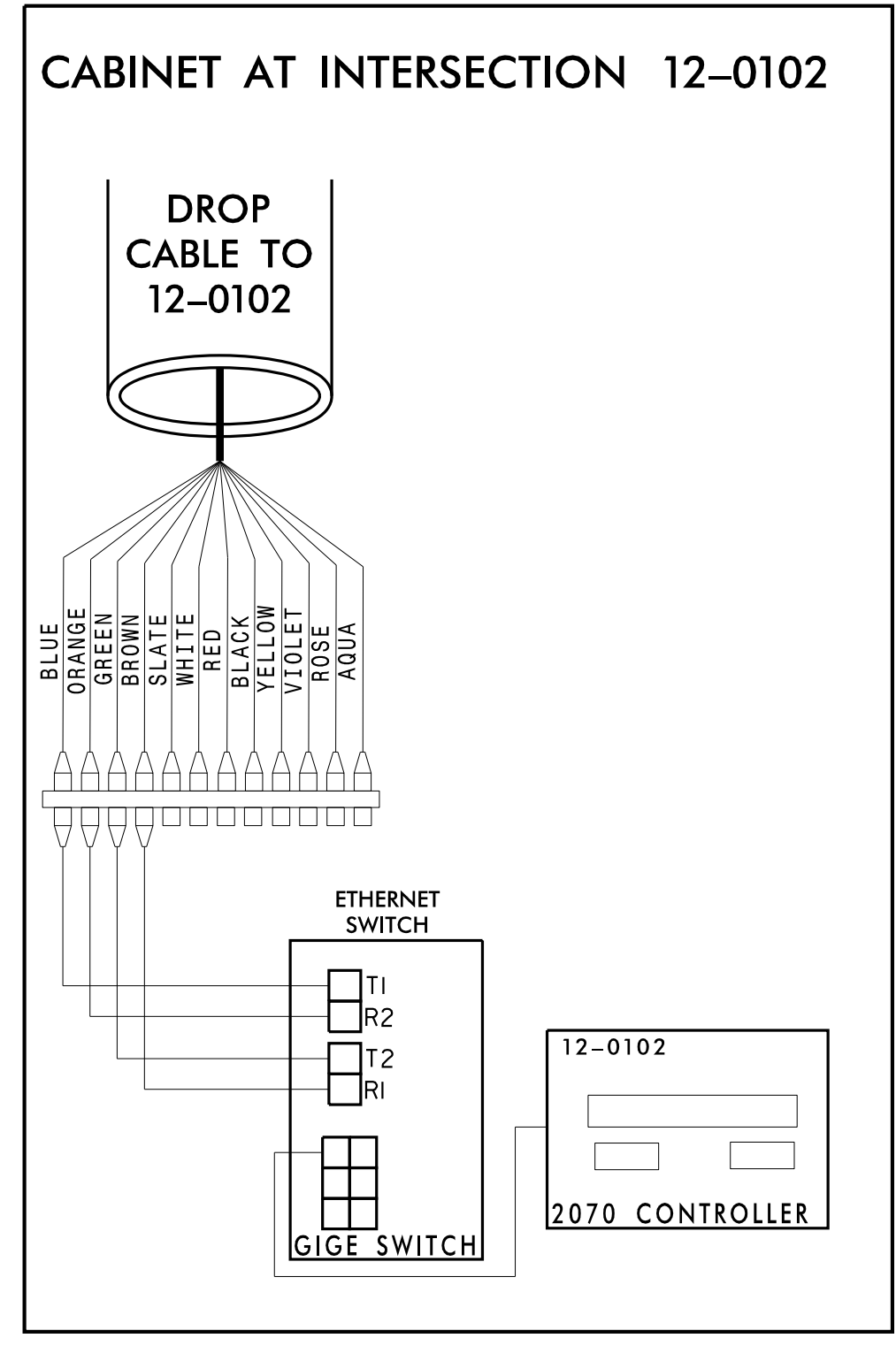
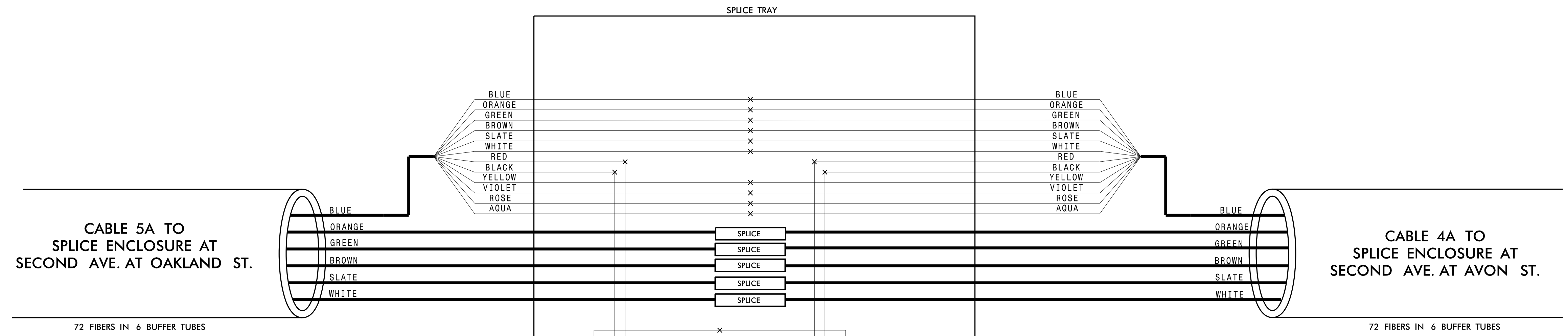
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 3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPlicing. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPlicing IS NOT AS EXPECTED.



**CHANNEL 5**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS		INIT.	DATE

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 Tel: (919) 677-2000  
 Fax: (919) 677-2050

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 IGER Z. VAN OSDELL  
 3/16/2022  
 DATE

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\_SPL042.dgn

### CHANNEL 6 SPLICE ENCLOSURE AT (FRANKLIN BLVD. [US 29/74] AT HOME DEPOT ENTRANCE) SIG ID 12-1454

**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

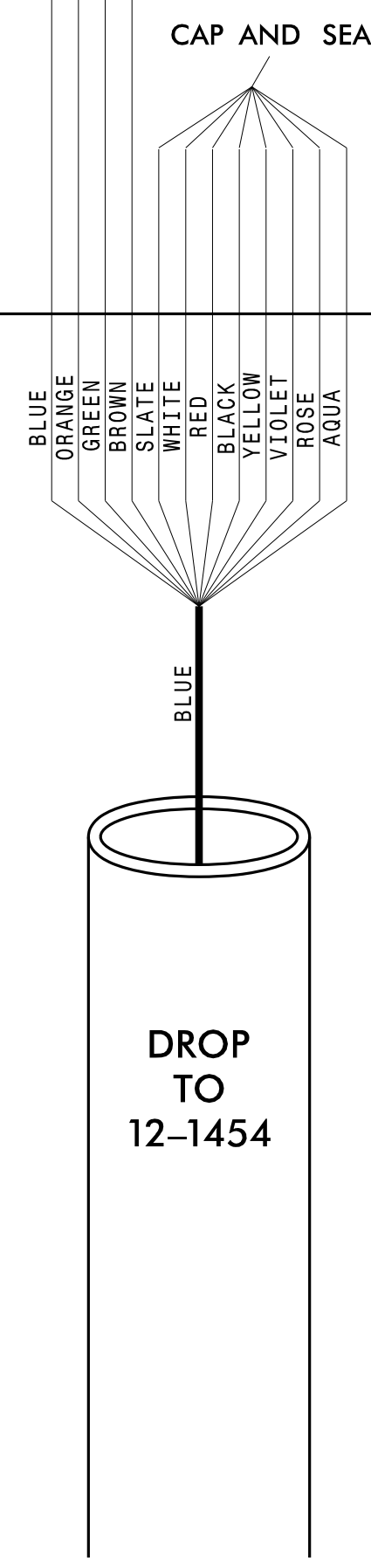
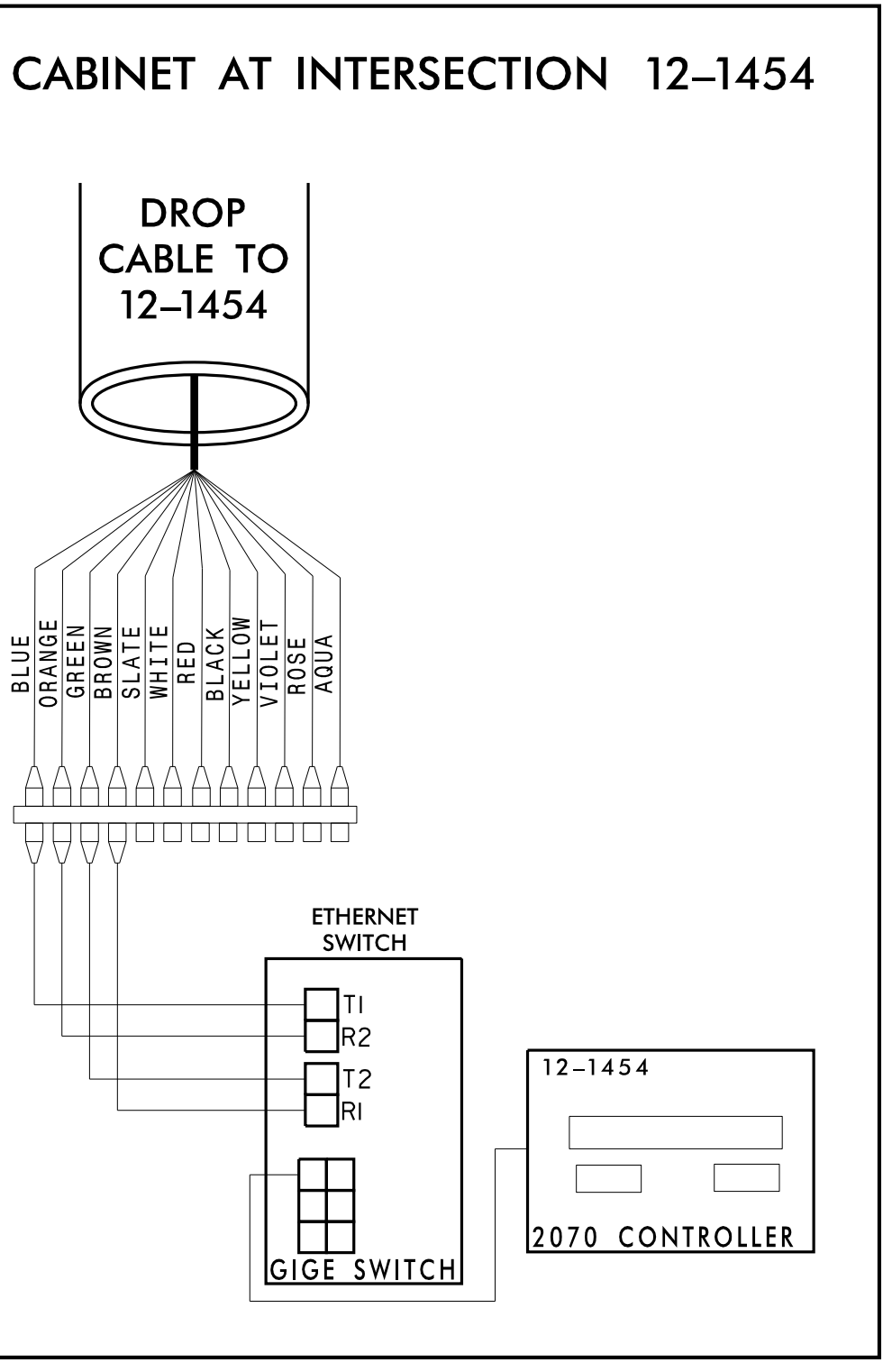
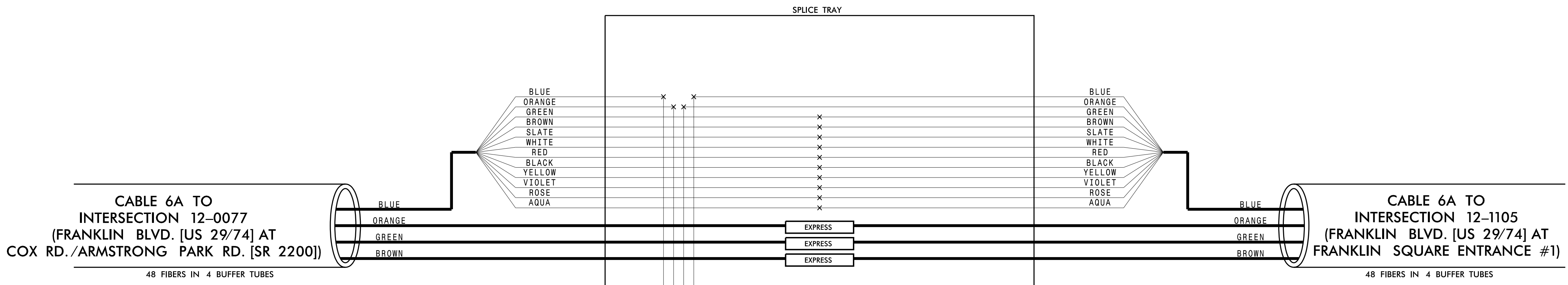
**LEGEND**

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

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

**NOTES:**

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**CHANNEL 6  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL**

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

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SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 028952  
 INGER Z. VAN OSDELL  
 ENGINEER

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CHANNEL 6  
SPLICE ENCLOSURE AT  
(FRANKLIN BLVD. [US 29/74] AT  
FRANKLIN SQUARE ENTRANCE #1)  
SIG ID 12-1105

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

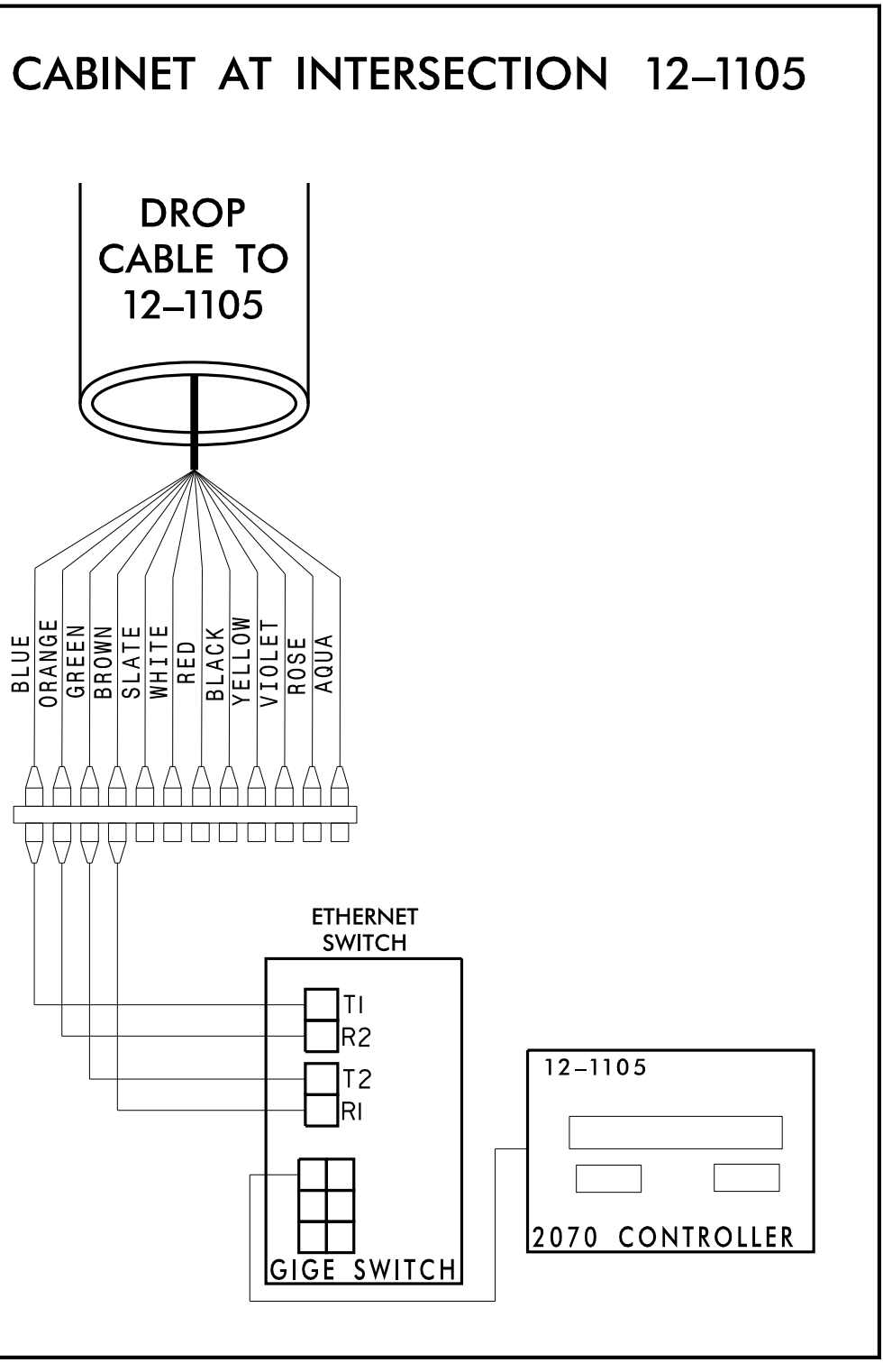
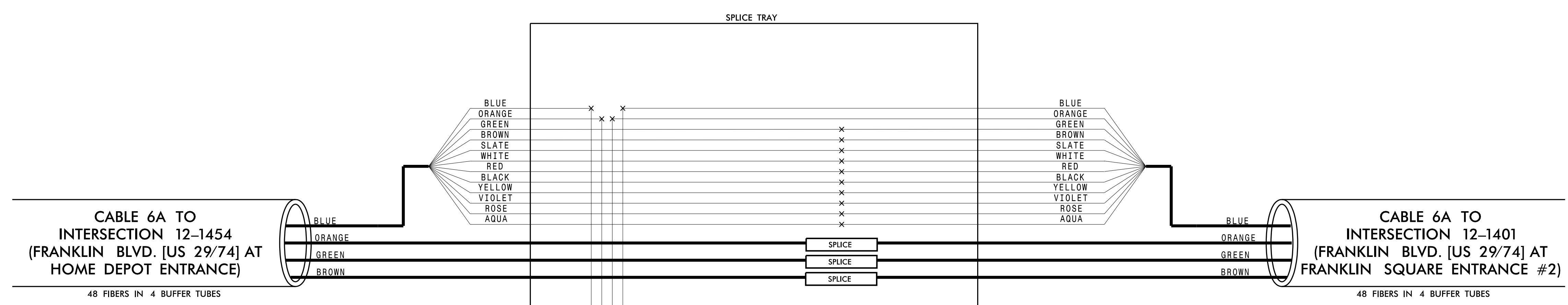
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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 O - EXISTING SPLICE  
 □ - EXPRESS INDIVIDUAL FIBER

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 SPLICE - SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 6**  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

DocuSigned by: Inger Van OsdeLL 3/16/2022  
 SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 INGER Z. VAN OSDELL  
 CADD File name: \_\_\_\_\_

3/15/2022 \\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL044.dgn

CHANNEL 6  
SPLICE ENCLOSURE AT  
FRANKLIN BLVD. (US 29/74) AT  
FRANKLIN SQUARE ENTRANCE #2  
SIG ID 12-1401 (FRANKLIN BLVD. [US 29/74] AT  
FRANKLIN SQUARE ENTRANCE #2)  
SIG ID 12-1562 (FRANKLIN BLVD. [US 29/74] AT  
LINEBERGER RD.)  
CCTV CAMERA-15

**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

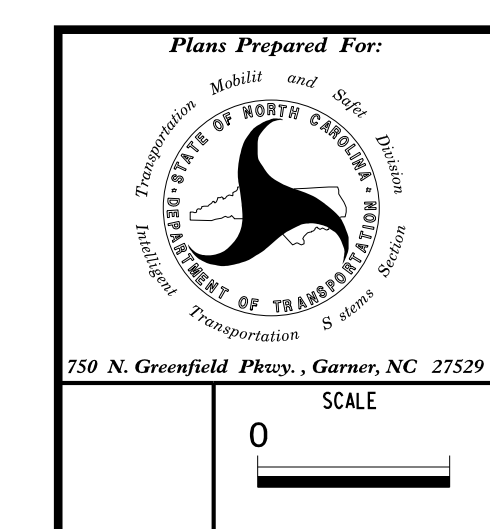
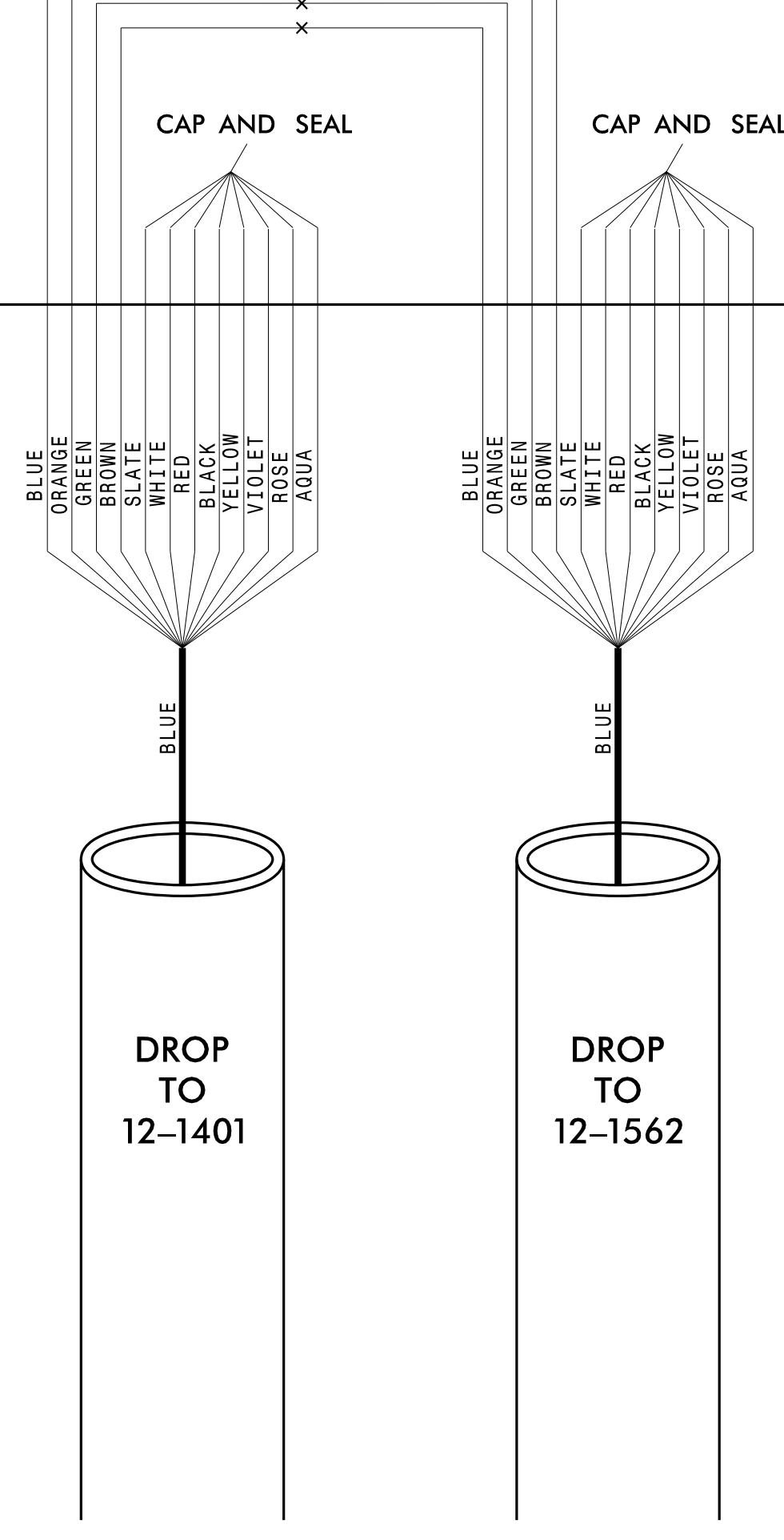
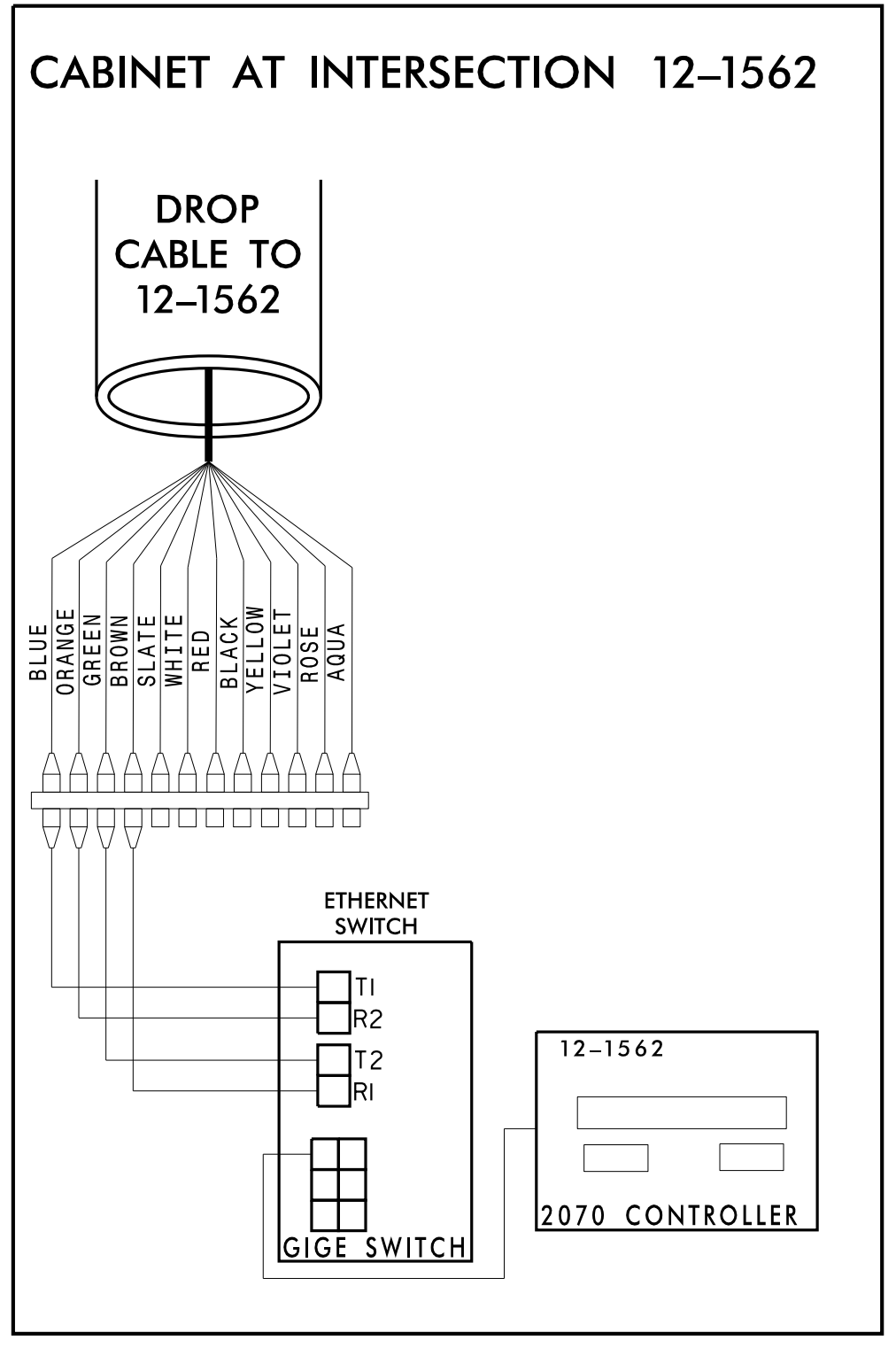
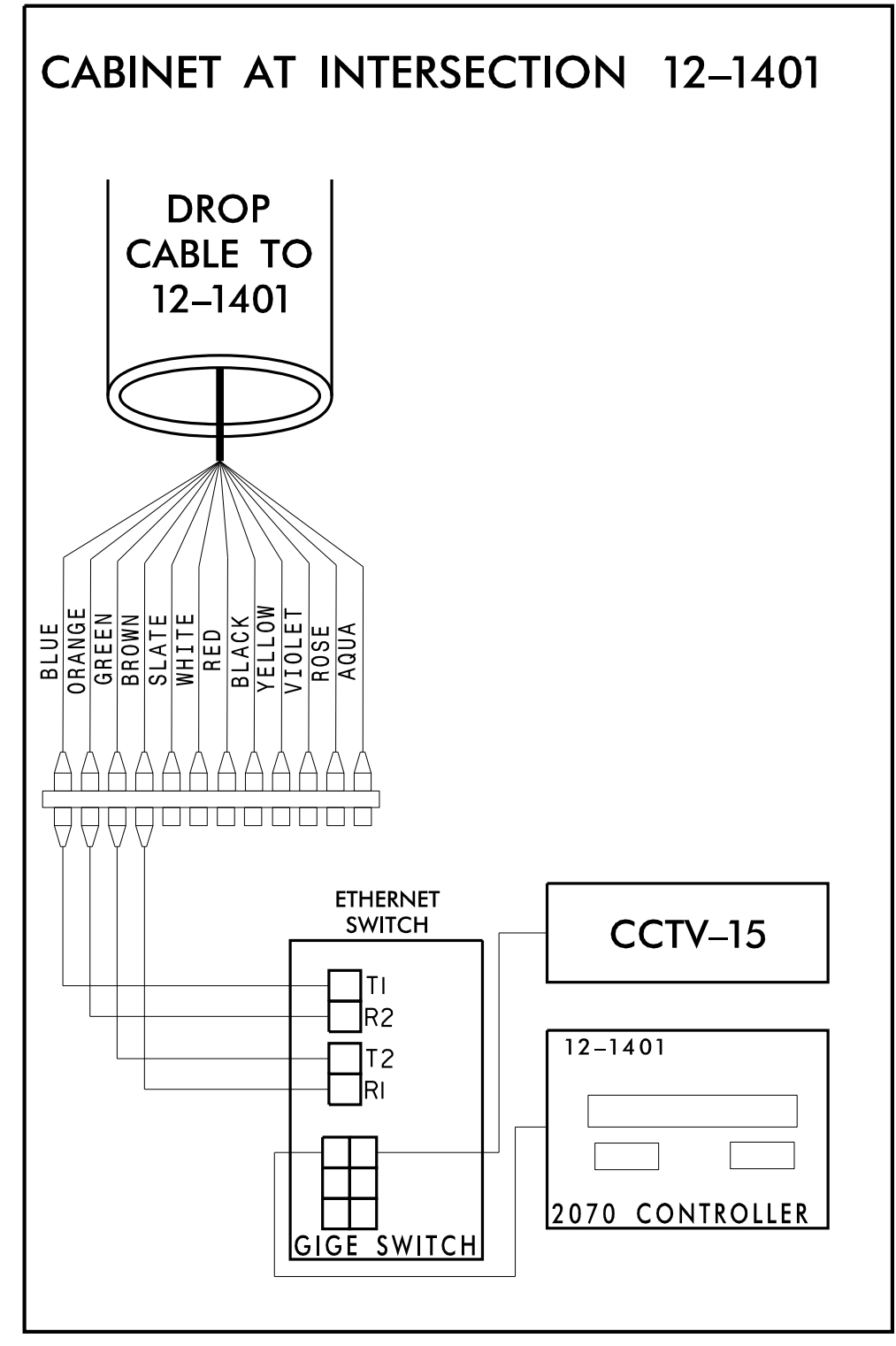
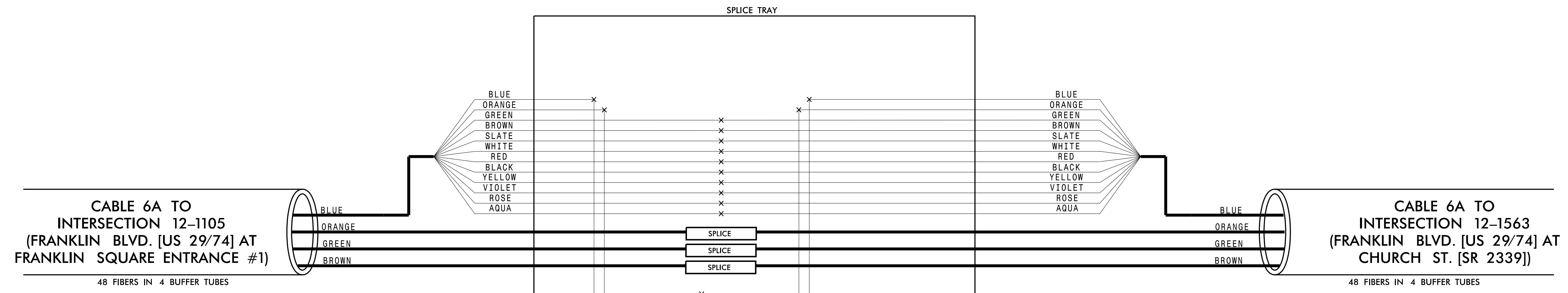
**LEGEND**

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

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
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**CHANNEL 6**  
**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS		INIT.	DATE

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SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
MICHAEL Z. VAN OSDELL  
3/16/2022

CADD File name: \_\_\_\_\_

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CHANNEL 6  
SPLICE ENCLOSURE AT  
(FRANKLIN BLVD. [US 29/74] AT  
CHURCH ST. [SR 2339])  
SIG ID 12-1563

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

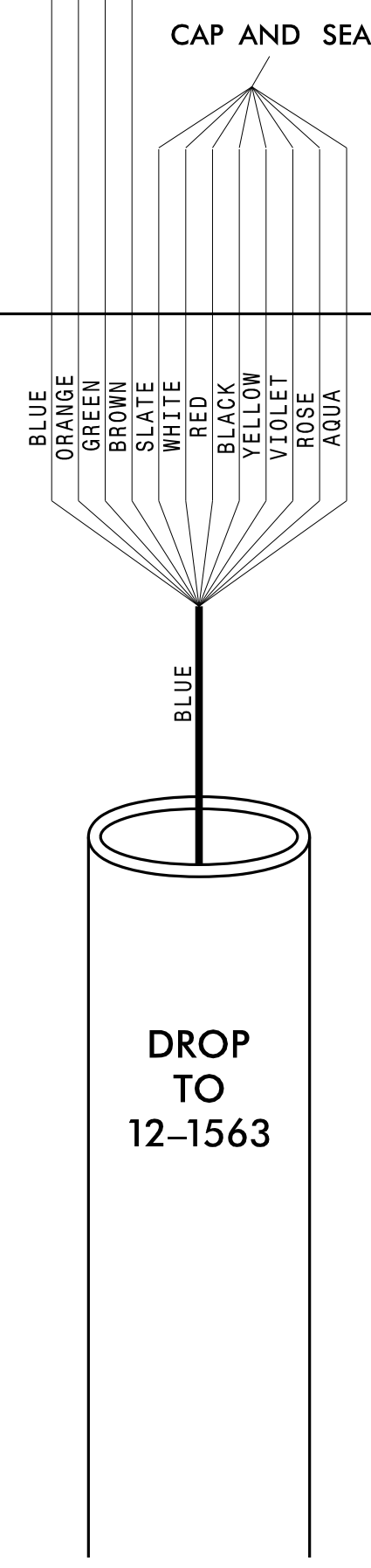
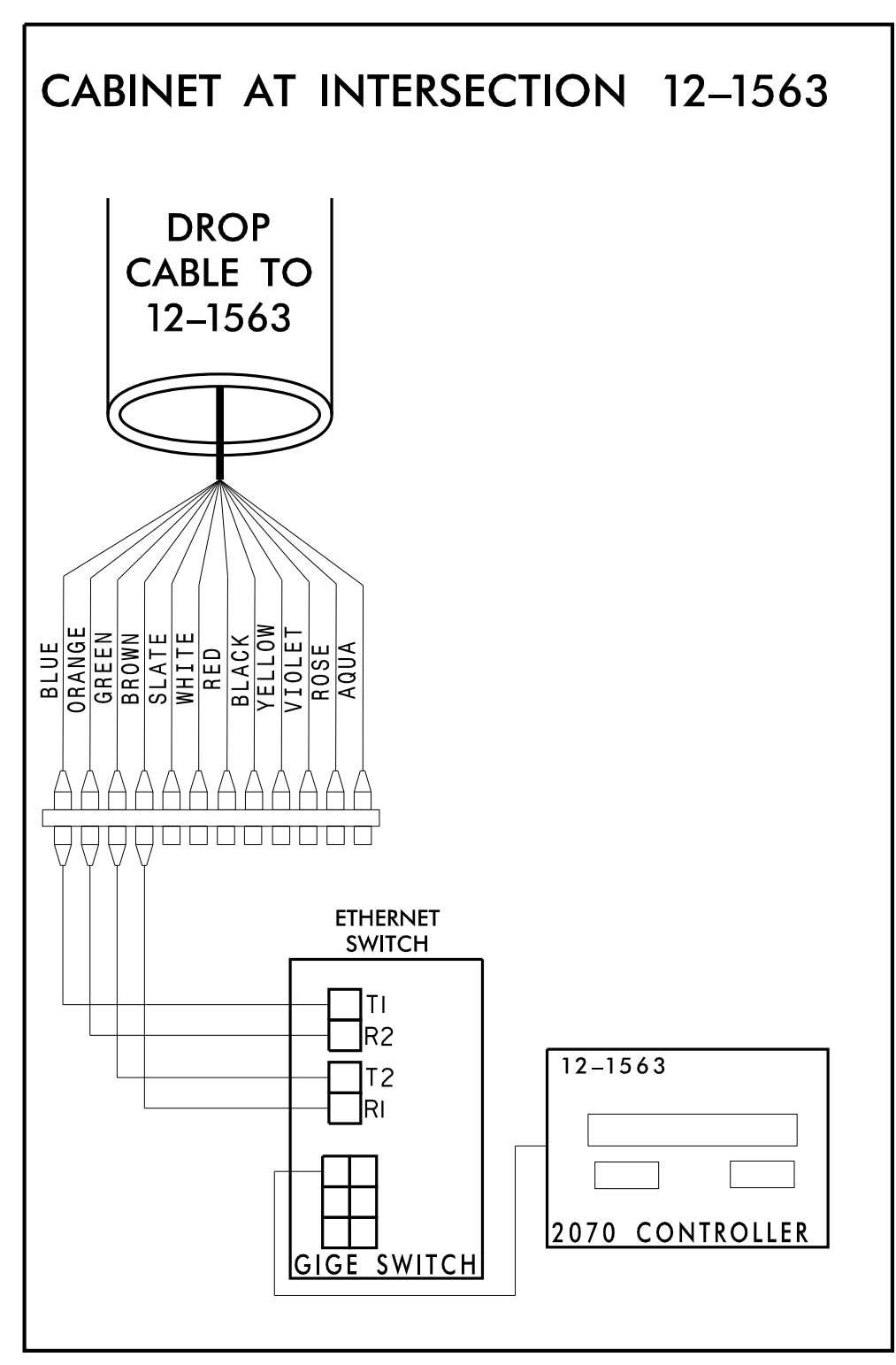
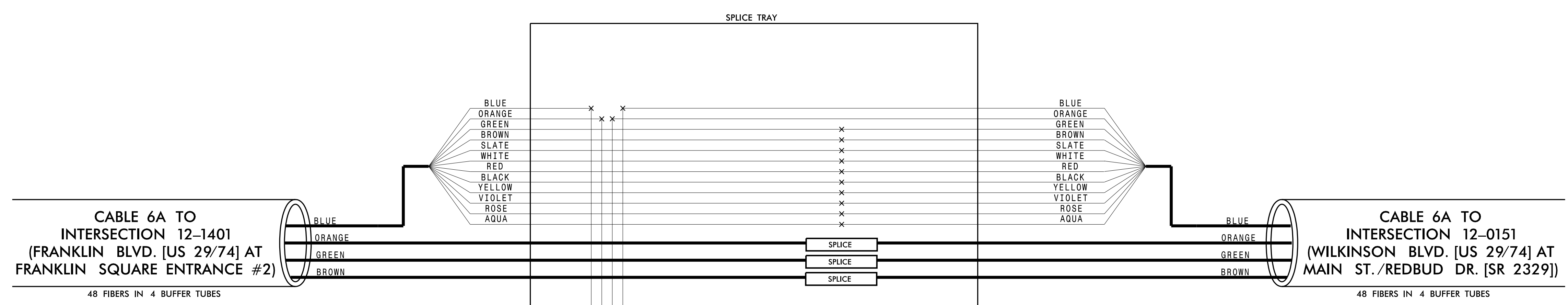
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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**CHANNEL 6**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

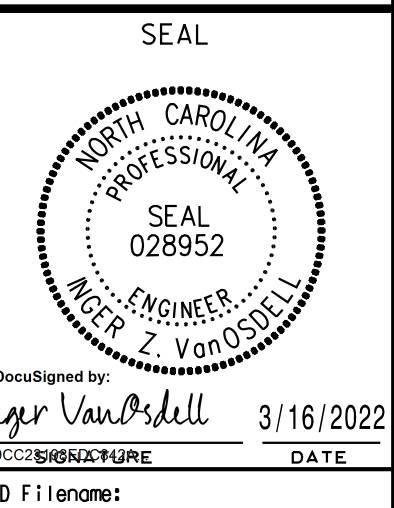
Scale: 0

REVISIONS	INIT.	DATE

DocuSigned by: Inger Van Osdel 3/16/2022

CADD File name:

**Kimley»Horn**  
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CHANNEL 6  
SPLICE ENCLOSURE AT  
(WILKINSON BLVD. [US 29/74] AT  
MAIN ST./REDBUD DR. [SR 2329])  
SIG ID 12-0151  
CCTV CAMERA-16

**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

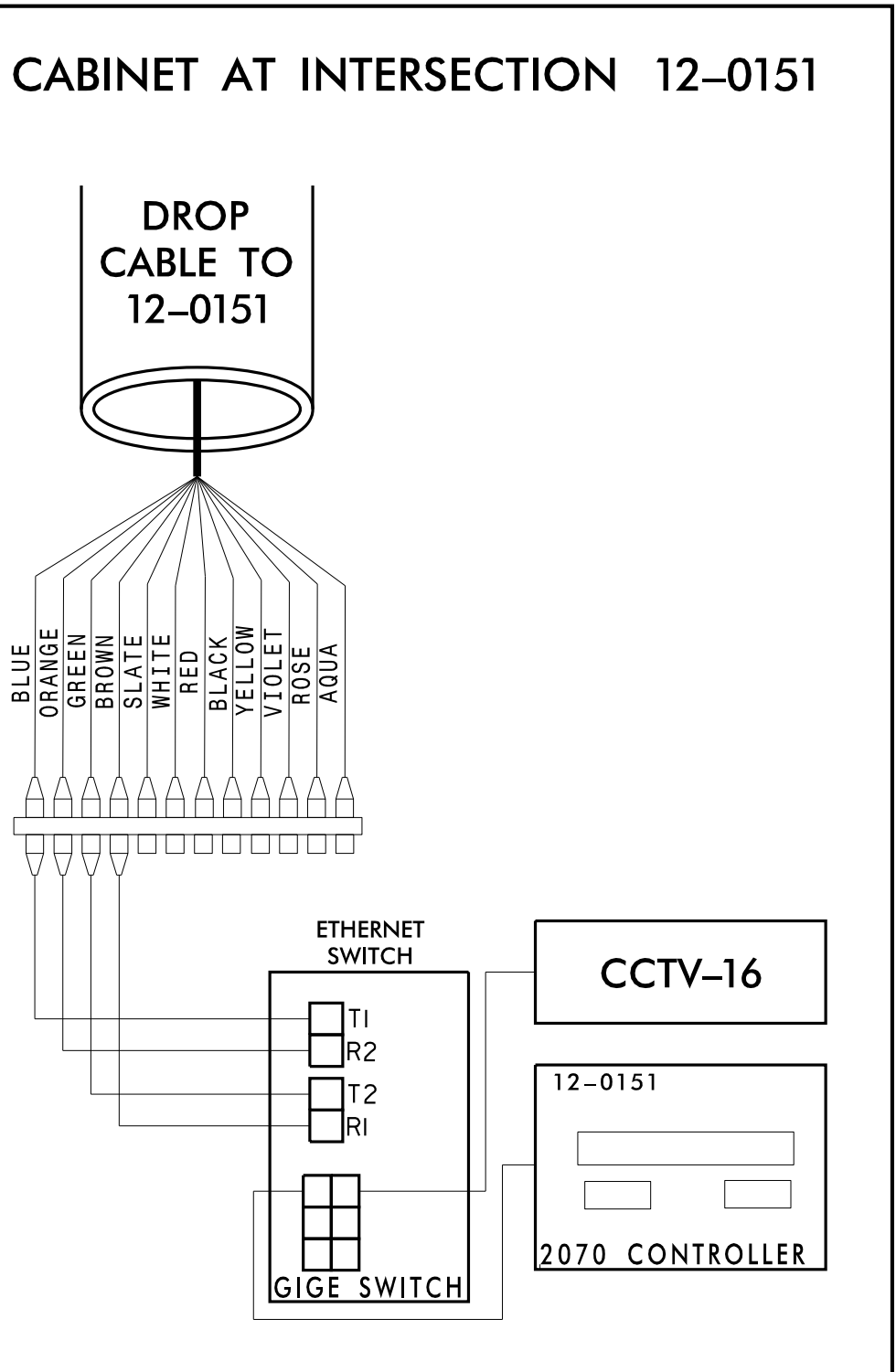
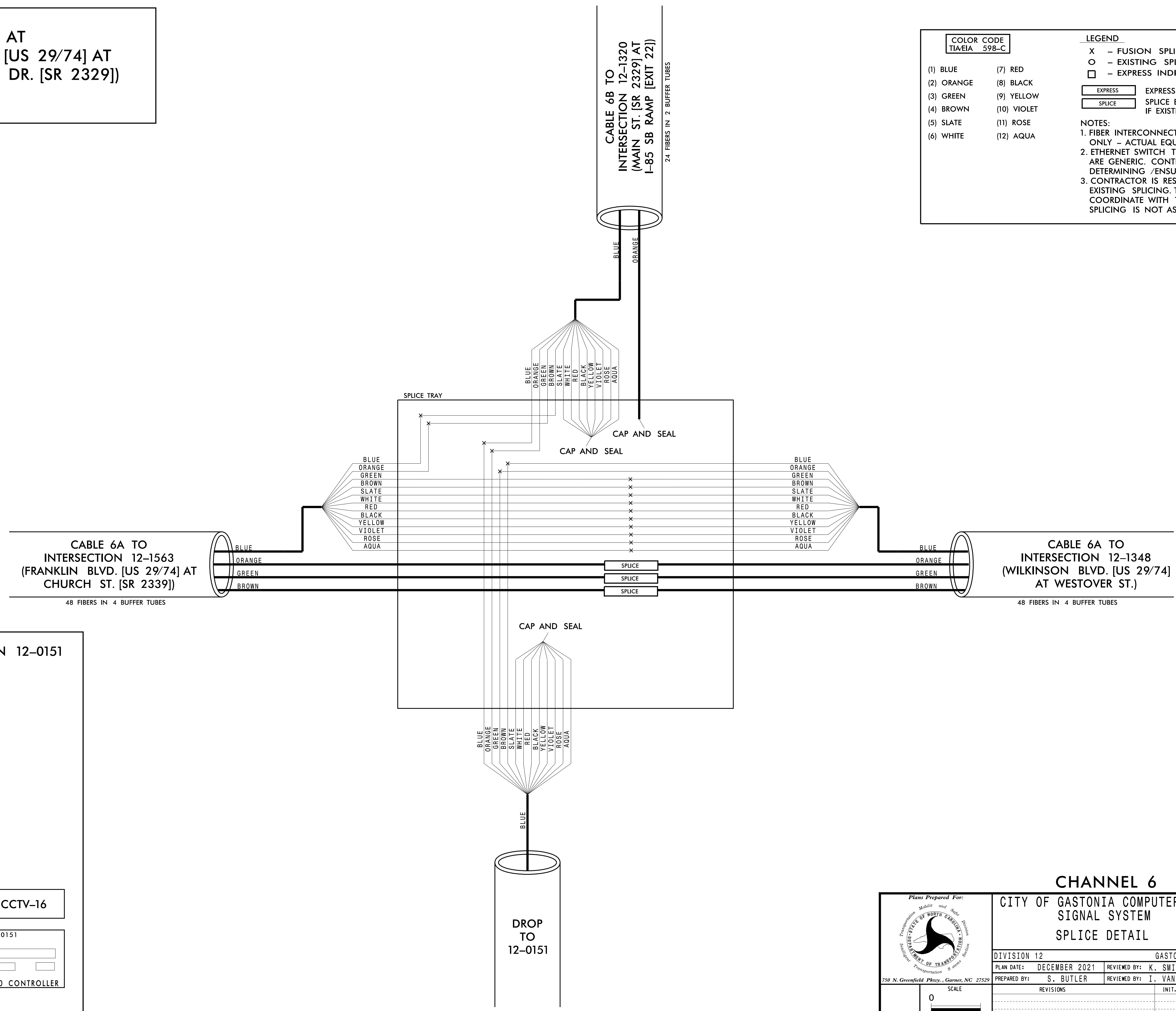
**LEGEND**

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 O - EXISTING SPLICE  
 □ - EXPRESS INDIVIDUAL FIBER

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

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**CHANNEL 6**  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

DocuSigned by:  
 Inger Van OsdeLL  
 3/16/2022

CADD File name: \_\_\_\_\_

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CHANNEL 6  
SPLICE ENCLOSURE AT  
MAIN ST. (SR 2329) AT  
I-85 SB RAMP (EXIT 22)  
SIG ID 12-1320 (MAIN ST. [SR 2329] AT  
I-85 SB RAMP [EXIT 22])  
SIG ID 12-1319 (MAIN ST. [SR 2329] AT  
I-85 NB RAMP [EXIT 22])  
CCTV CAMERA-18

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

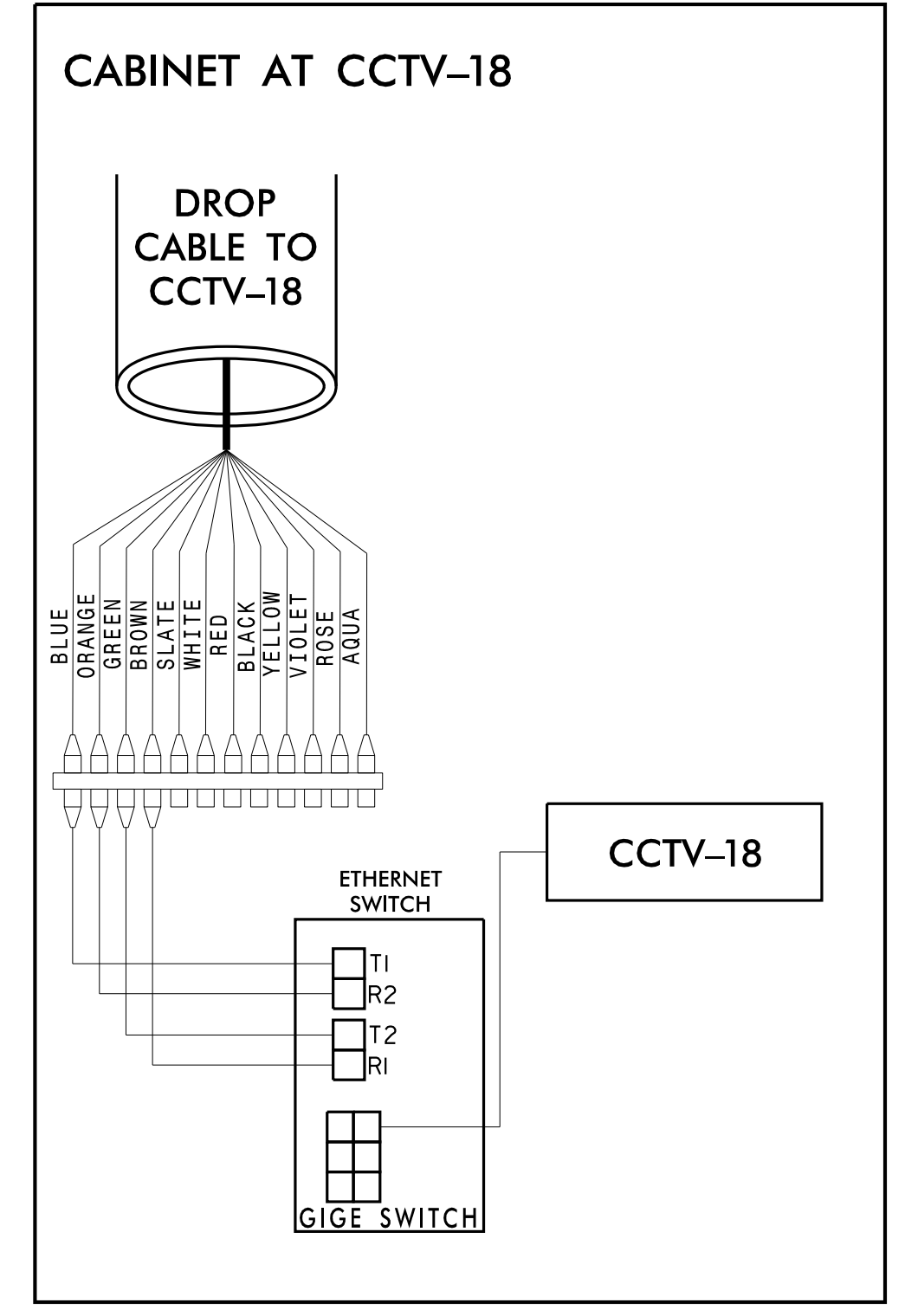
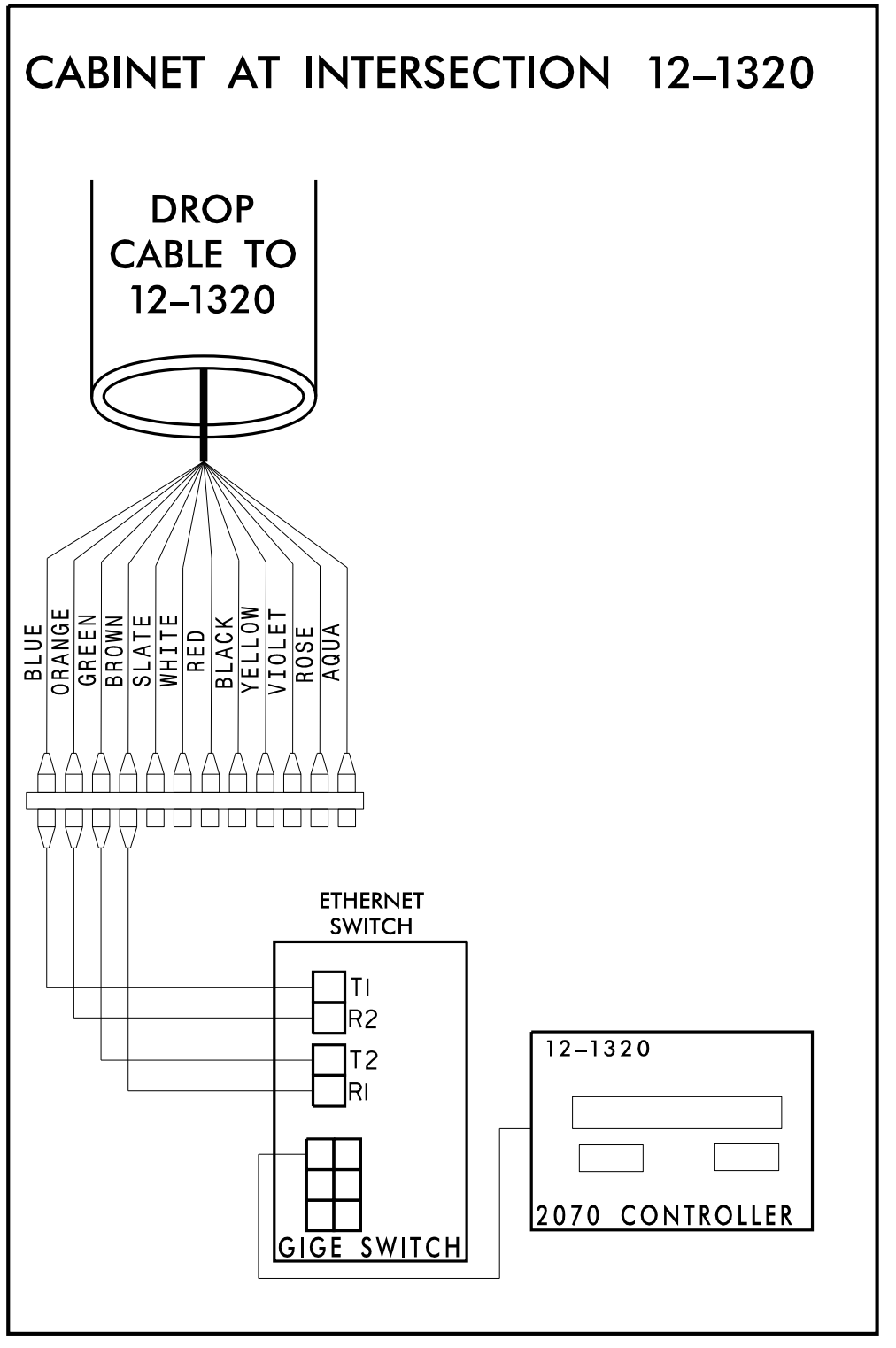
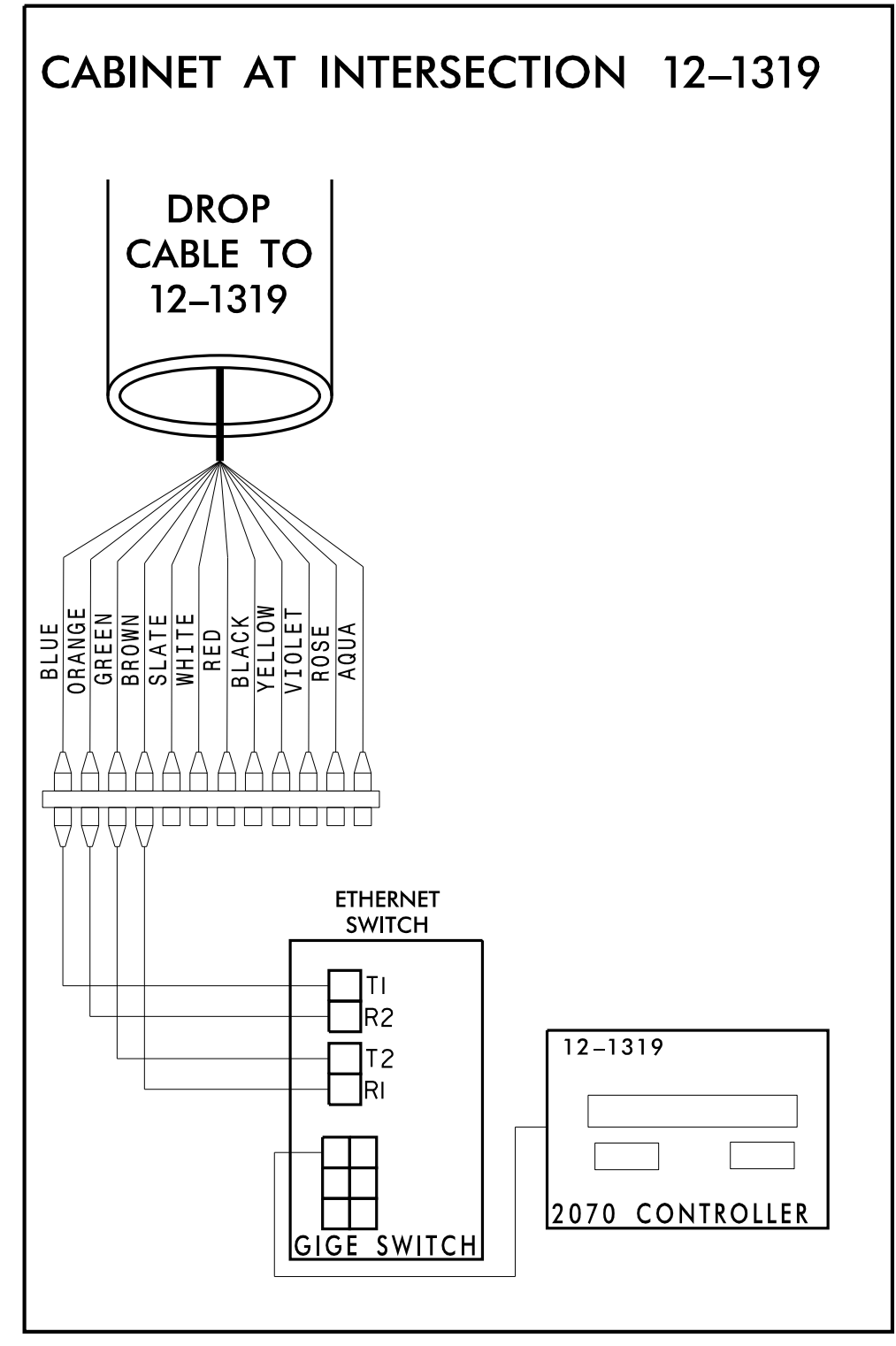
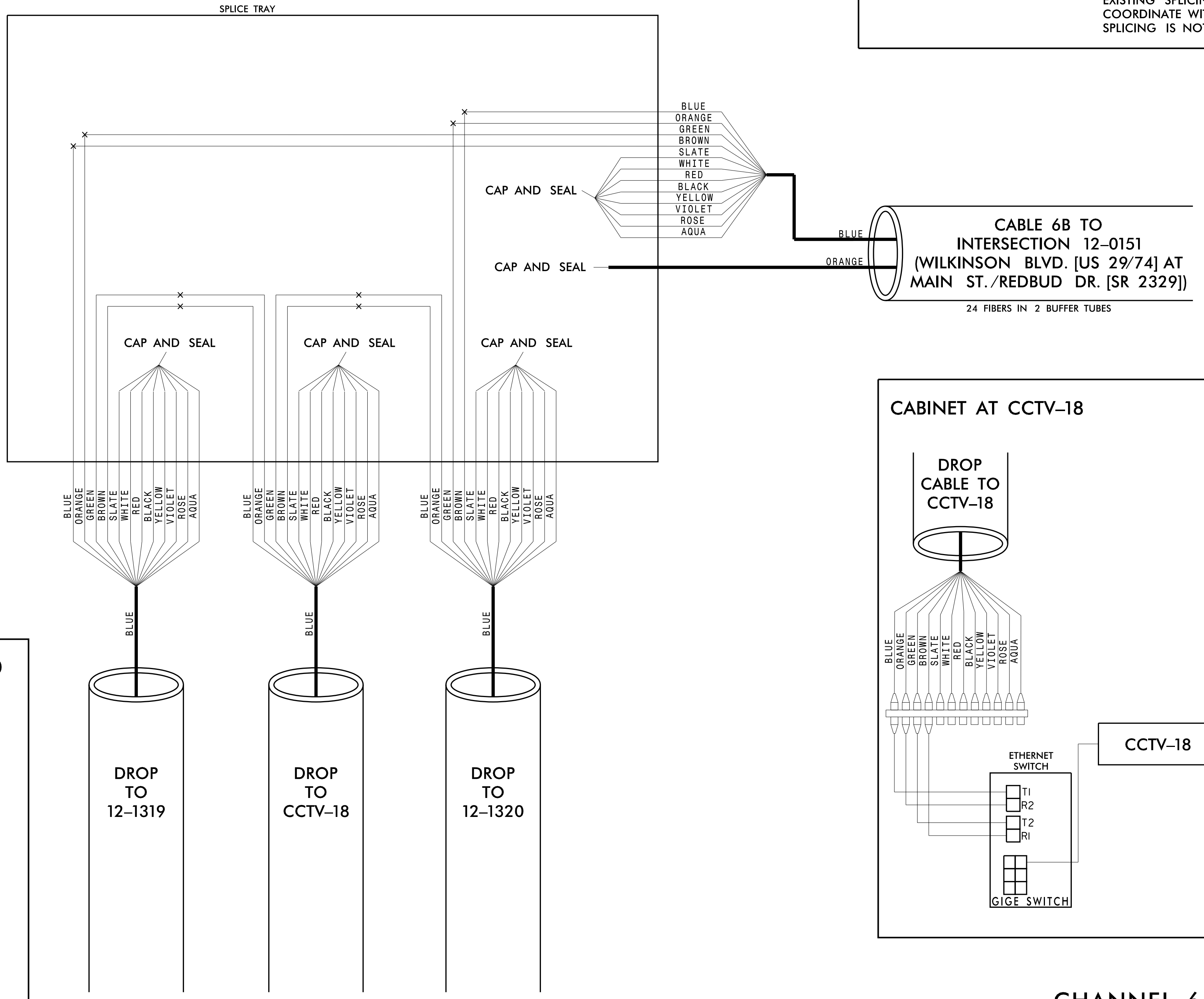
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

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3/15/2022  
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**CHANNEL 6**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL

Division 12 GASTON COUNTY  
PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

Scale: 0

REVISIONS	INIT.	DATE

DocuSigned by:  
Inger Van OsdeLL  
3/16/2022

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SEAL  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
028952  
REGISTERED PROFESSIONAL ENGINEER  
INTEGR. Z. VAN OSDELL

CADD File name:

# CHANNEL 6 SPLICE ENCLOSURE AT (WILKINSON BLVD. [US 29/74] AT WESTOVER ST.) SIG ID 12-1348

**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

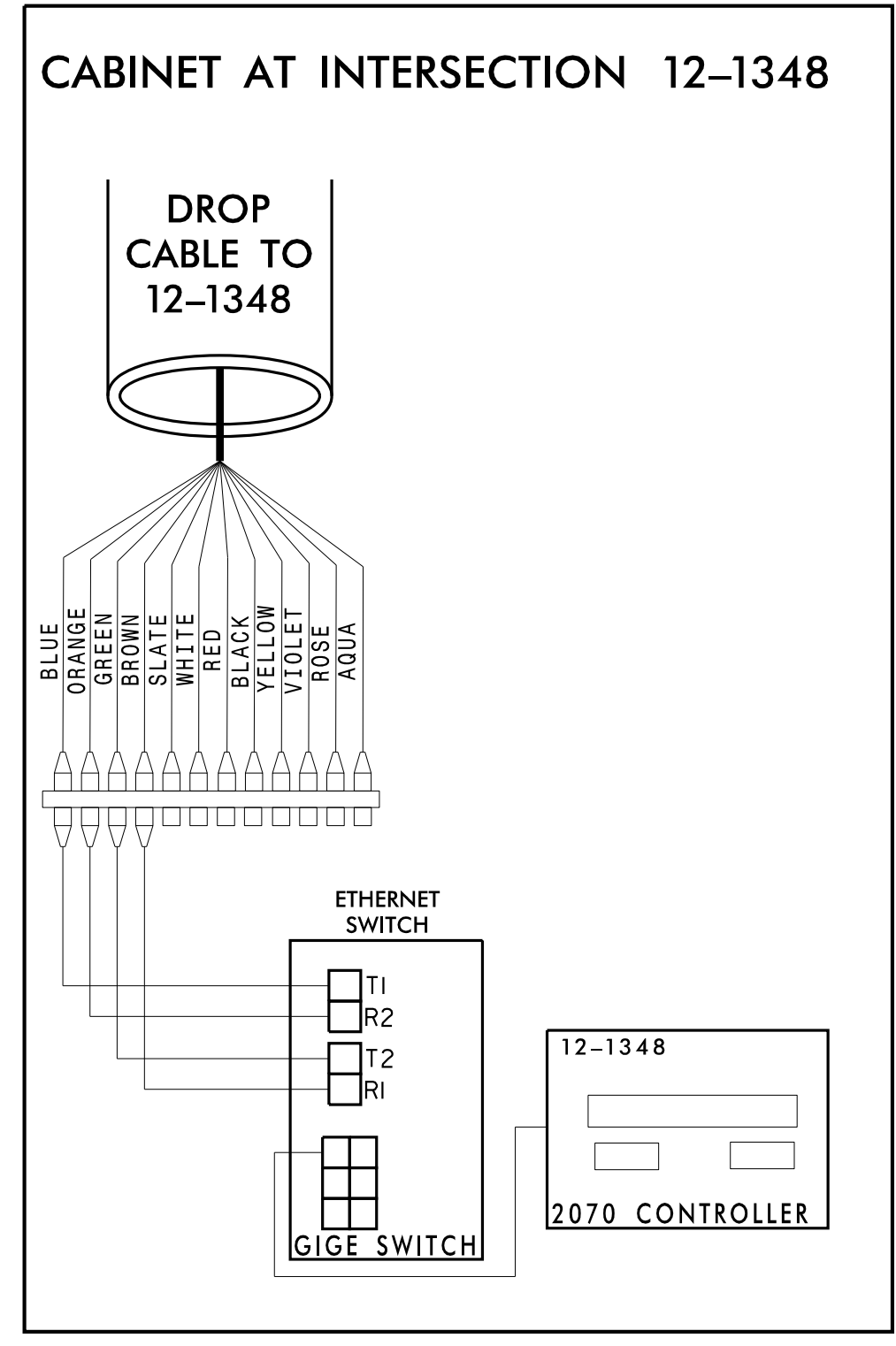
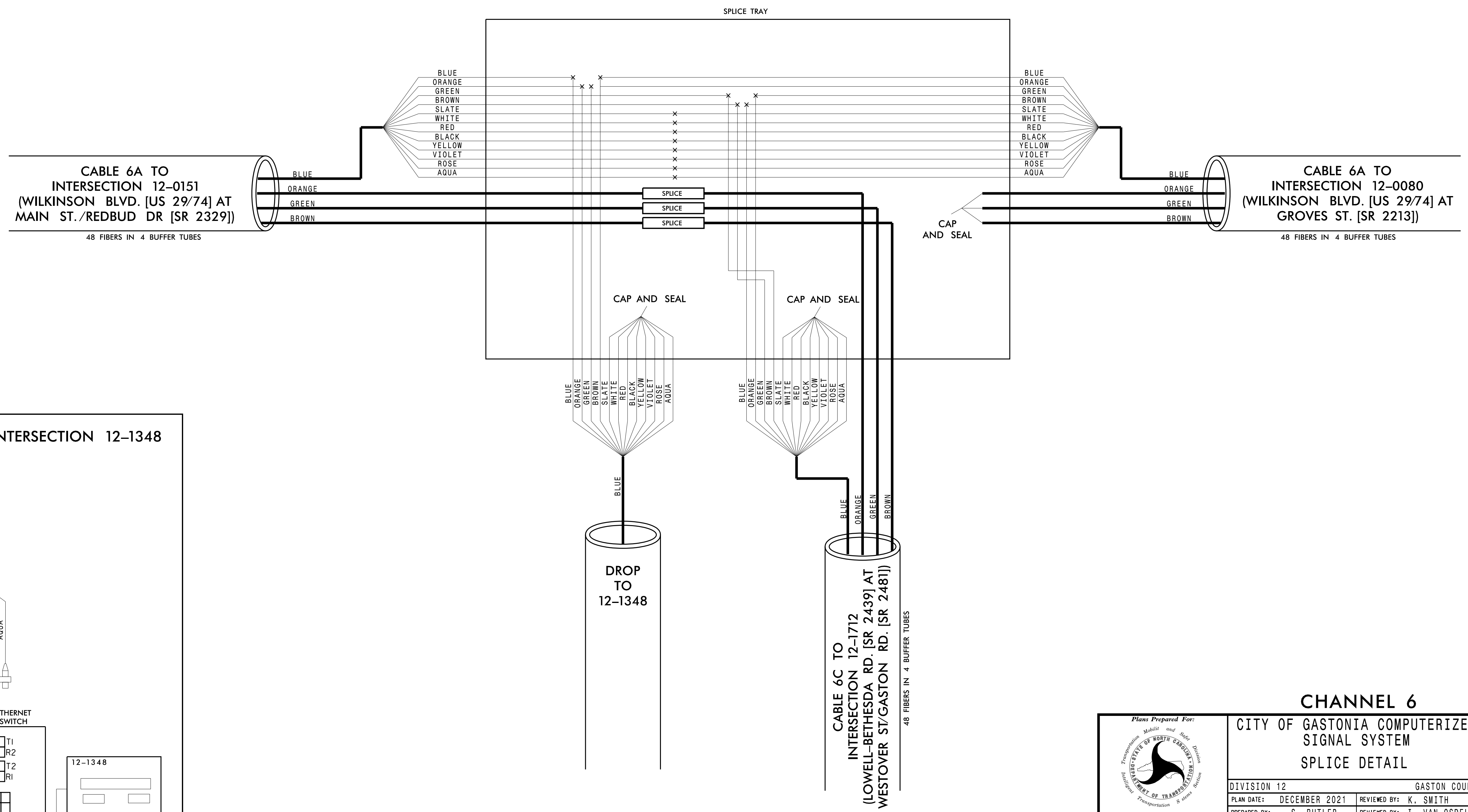
**LEGEND**

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

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

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**CHANNEL 6  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL**

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE

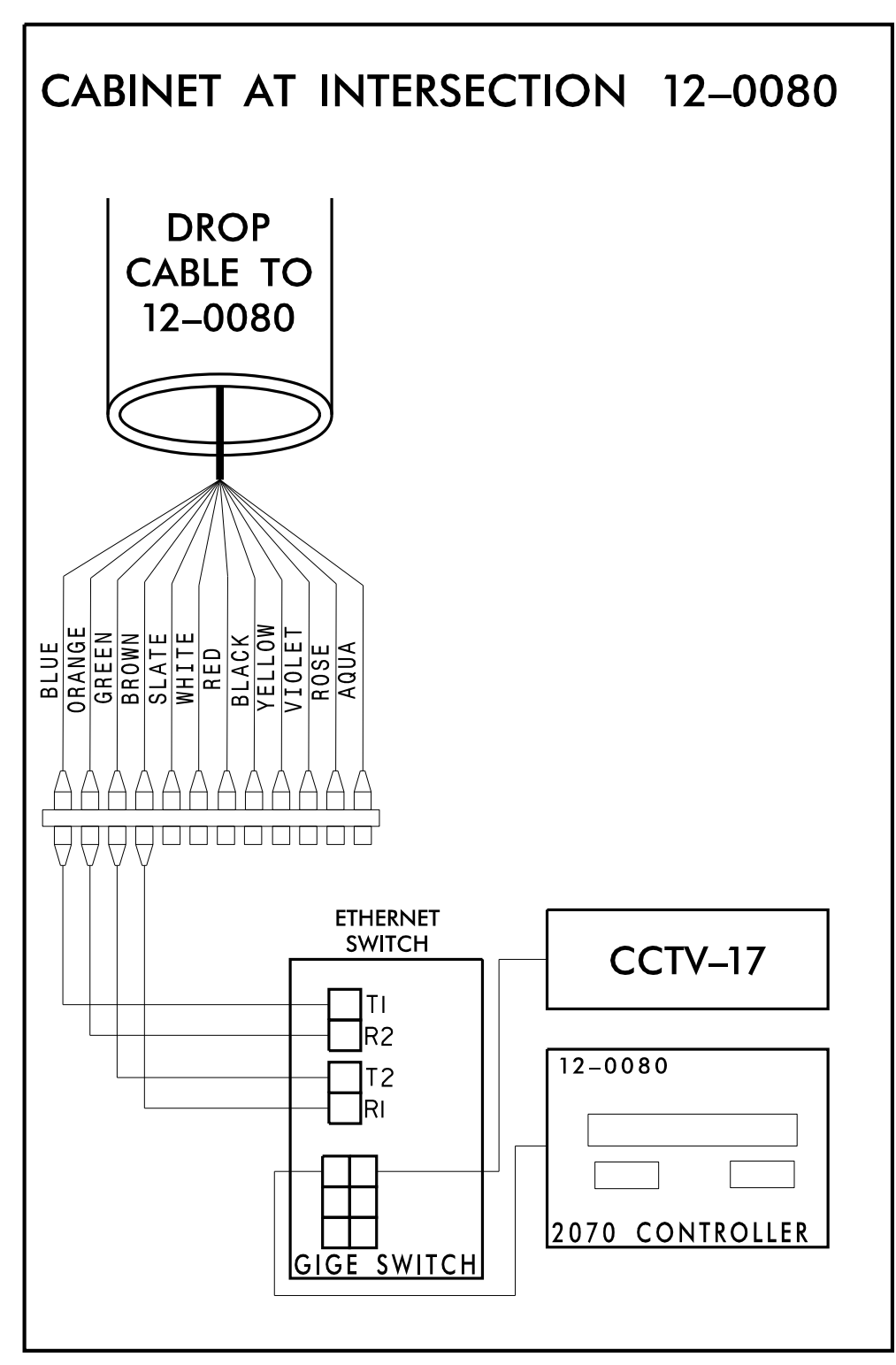
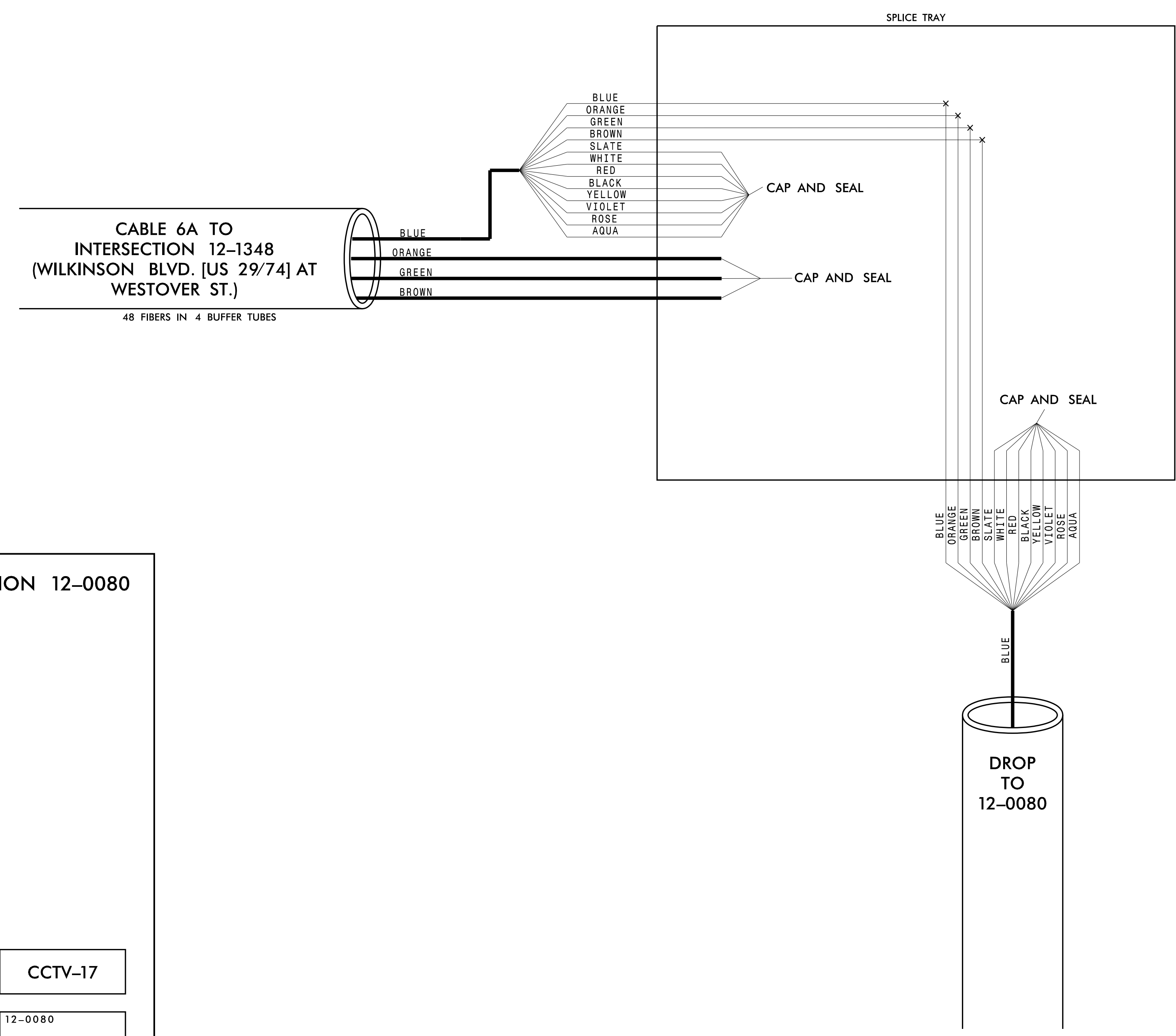
DocuSigned by: Inger Van Osdel 3/16/2022

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**CHANNEL 6  
 SPLICE ENCLOSURE AT  
 (WILKINSON BLVD. [US 29/74] AT GROVES ST. [SR 2213])  
 SIG ID 12-0080  
 CCTV CAMERA-17**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
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	<b>CHANNEL 6</b>		
	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM		
SPLICE DETAIL		GASTON COUNTY	
DIVISION 12		REVIEWED BY: K. SMITH	
PLAN DATE: DECEMBER 2021		REVIEWED BY: I. VAN OSDELL	
PREPARED BY: S. BUTLER		DATE	
REVISIONS		INIT.	
DATE		DATE	
SCALE		DATE	
0		DATE	
CADD File name:		DATE	

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**CHANNEL 7  
SPlice ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
EAST OF LEE ST.**

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

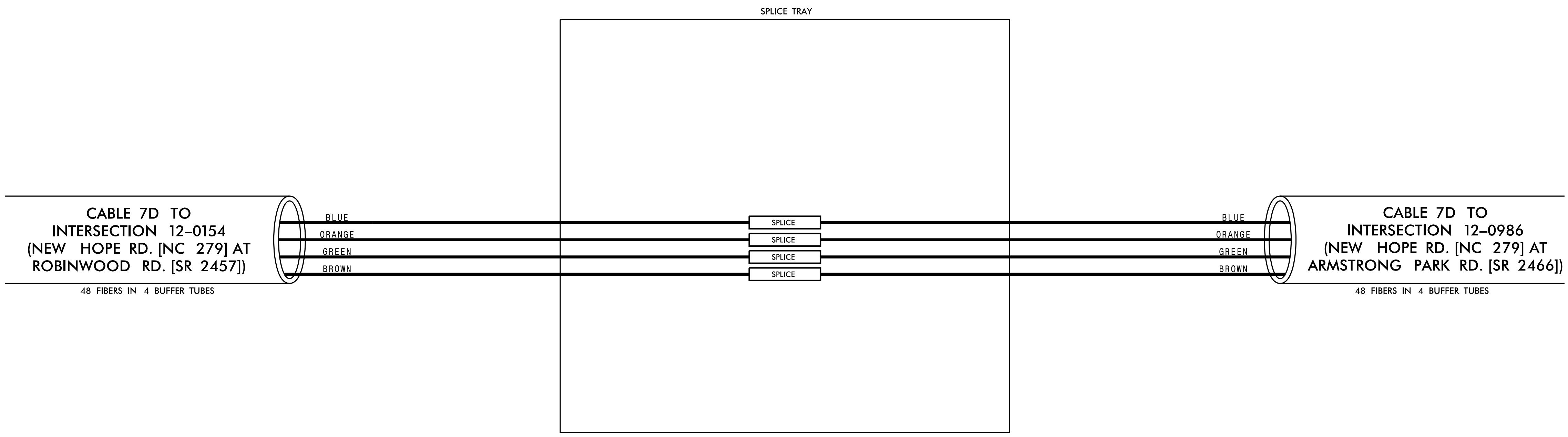
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

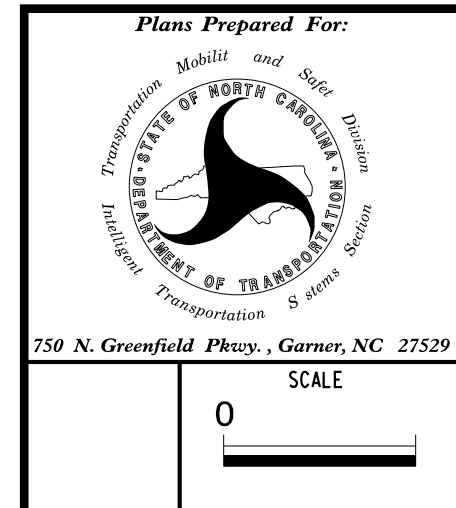
X - FUSION SPlice INDIVIDUAL FIBER  
 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
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**NOTES:**  
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 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.



3/15/2022 \\kimley-horn.com\SE\RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL051.dgn



**CHANNEL 7  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
SCALE	REVISIONS	INIT.	DATE
0			

**Kimley»Horn**

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 Raleigh, NC 27601  
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 Fax: (919) 677-2050

SEAL

DocuSigned by:  
 Inger Van Osdel 3/16/2022

CADD Filename:

CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
ARMSTRONG PARK RD. [SR 2466])  
SIG ID 12-0986  
CCTV CAMERA-23

**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

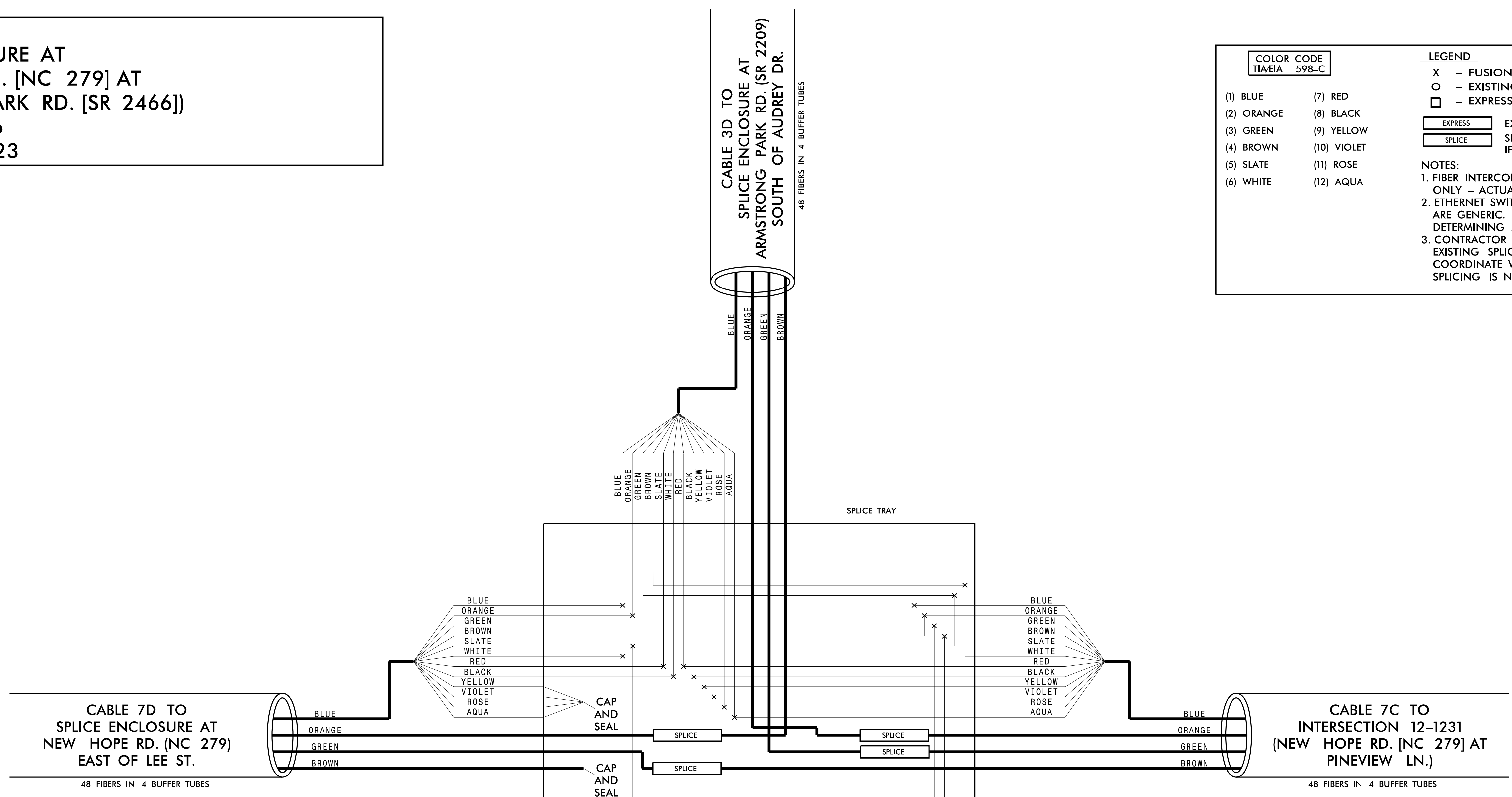
**LEGEND**

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

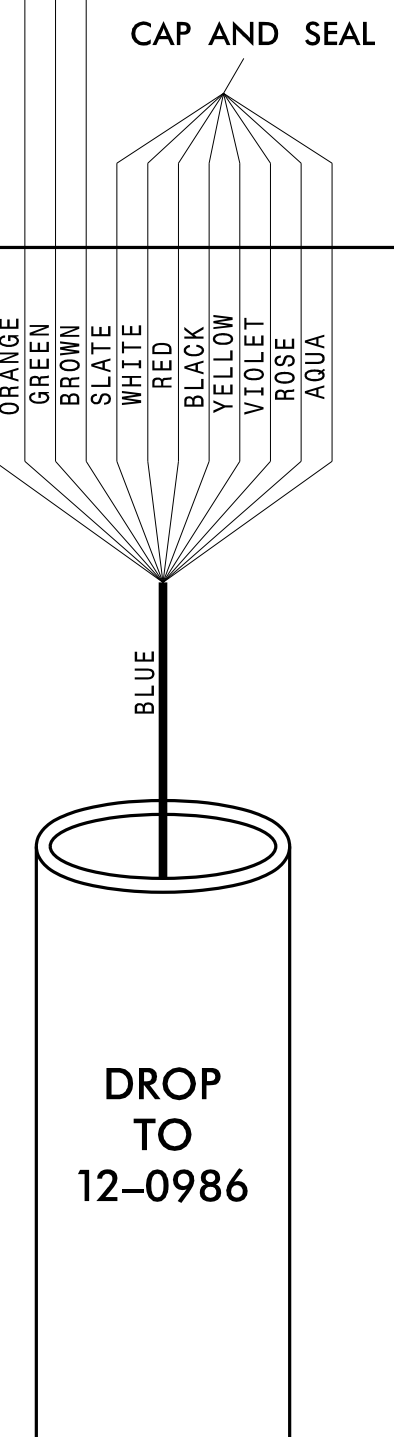
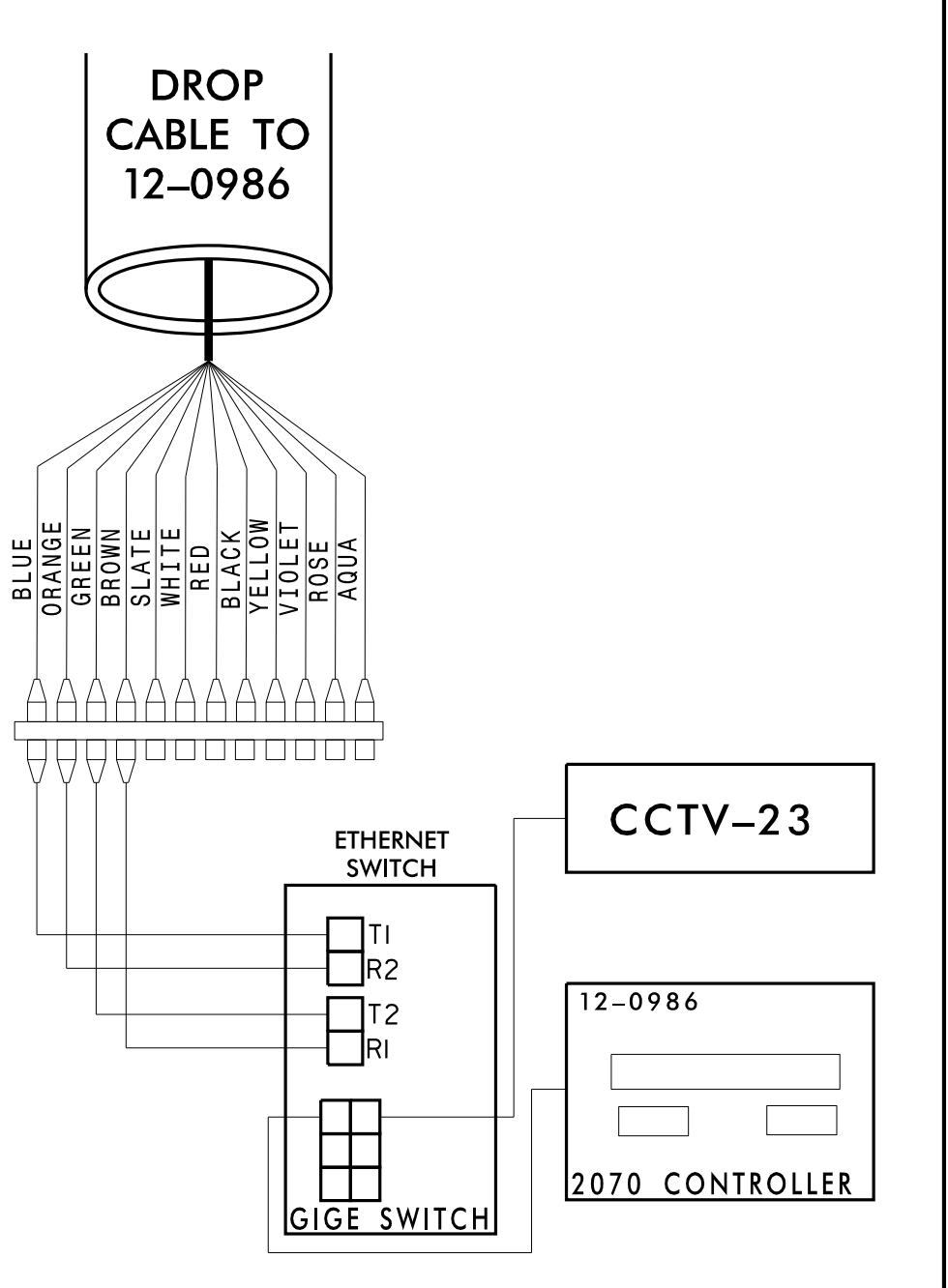
EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPLICE - SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

**NOTES:**

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CABINET AT INTERSECTION 12-0986



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**CHANNEL 7**  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

CADD File name:

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL052.dgn



CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
PINEVIEW LN.)  
SIG ID 12-1231

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

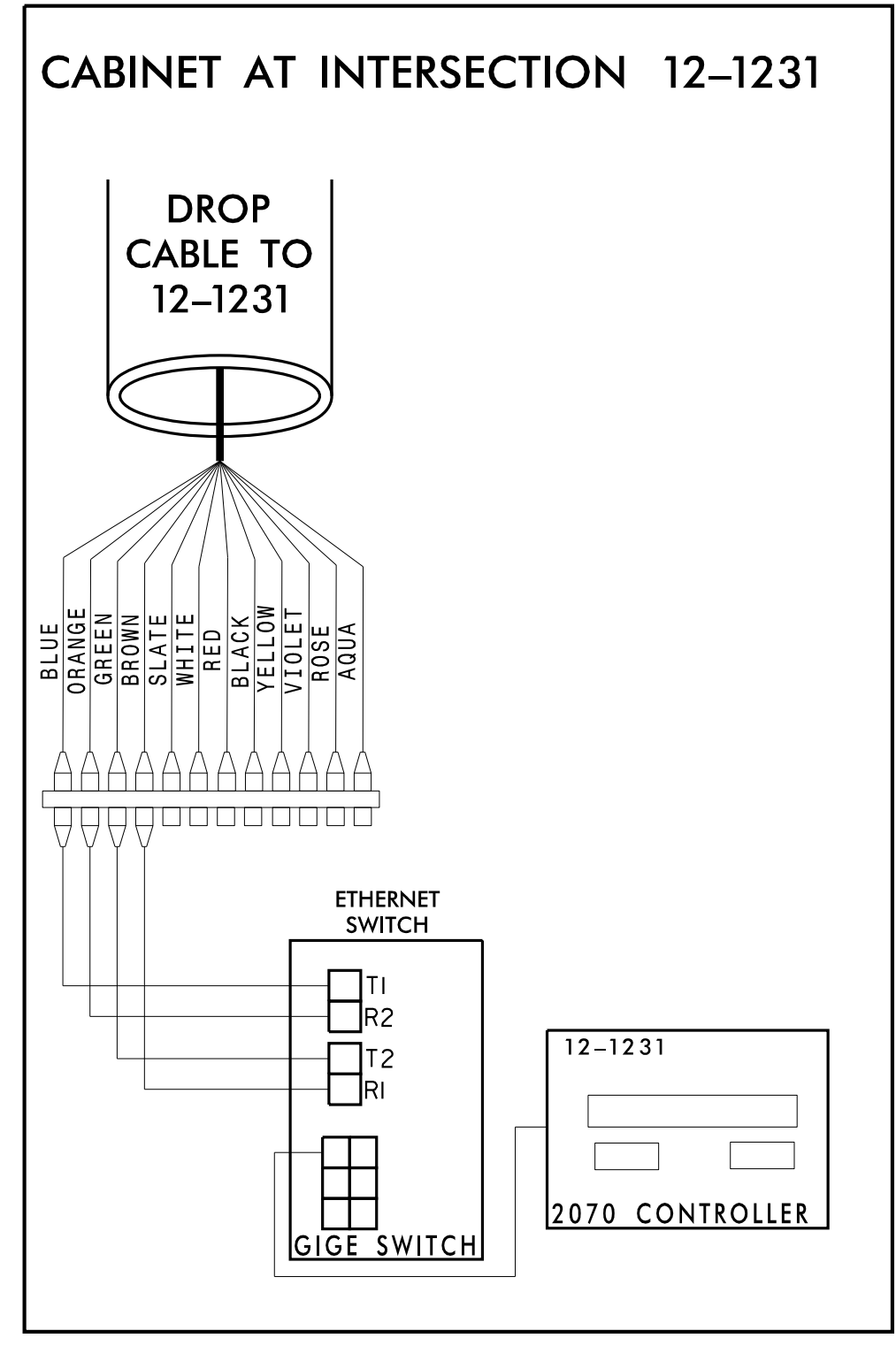
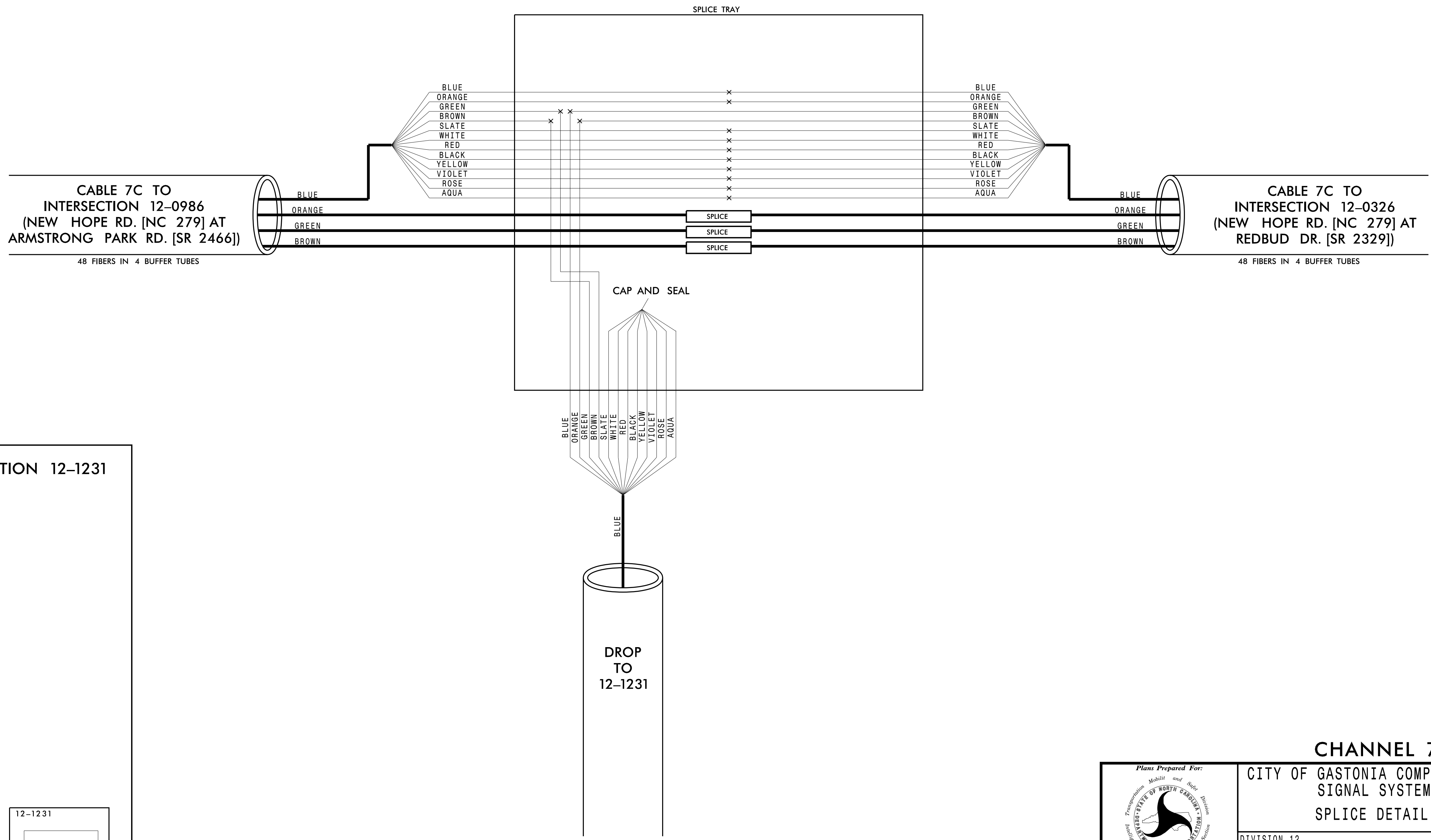
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

Scale: 0

REVISIONS: INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER Z. VAN OSDELL

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\1PTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL053.dgn

CHANNEL 7  
SPLICE ENCLOSURE AT  
NEW HOPE RD. (NC 279) AT  
REDBUD DR. (SR 2329)  
SIG ID 12-0326 (NEW HOPE RD. [NC 279] AT  
REDBUD DR. [SR 2329])  
SIG ID FUTURE-03 (BI-LO DRIVEWAY AT  
REDBUD DR. [SR 2329])  
CCTV CAMERA-24

**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

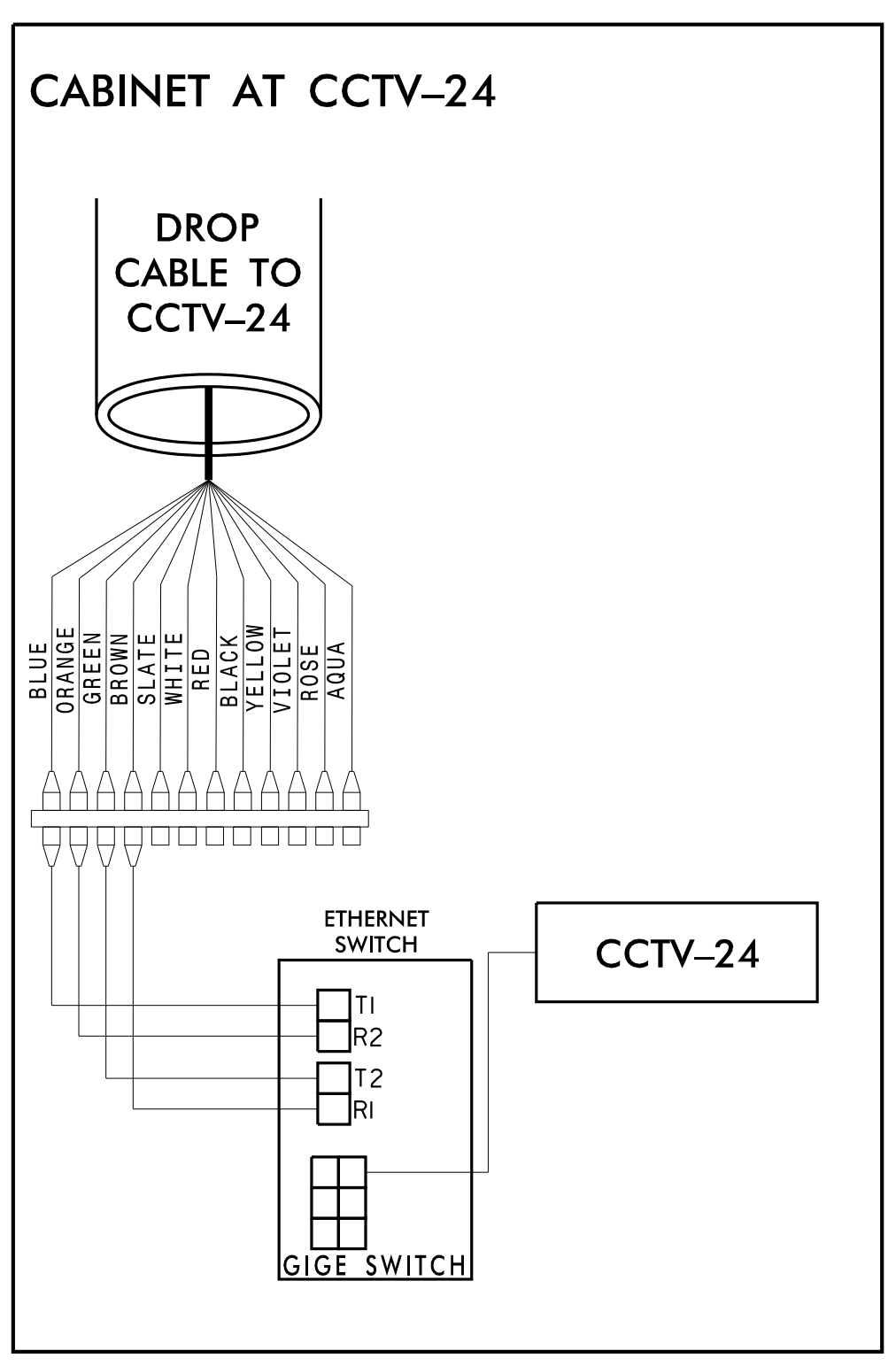
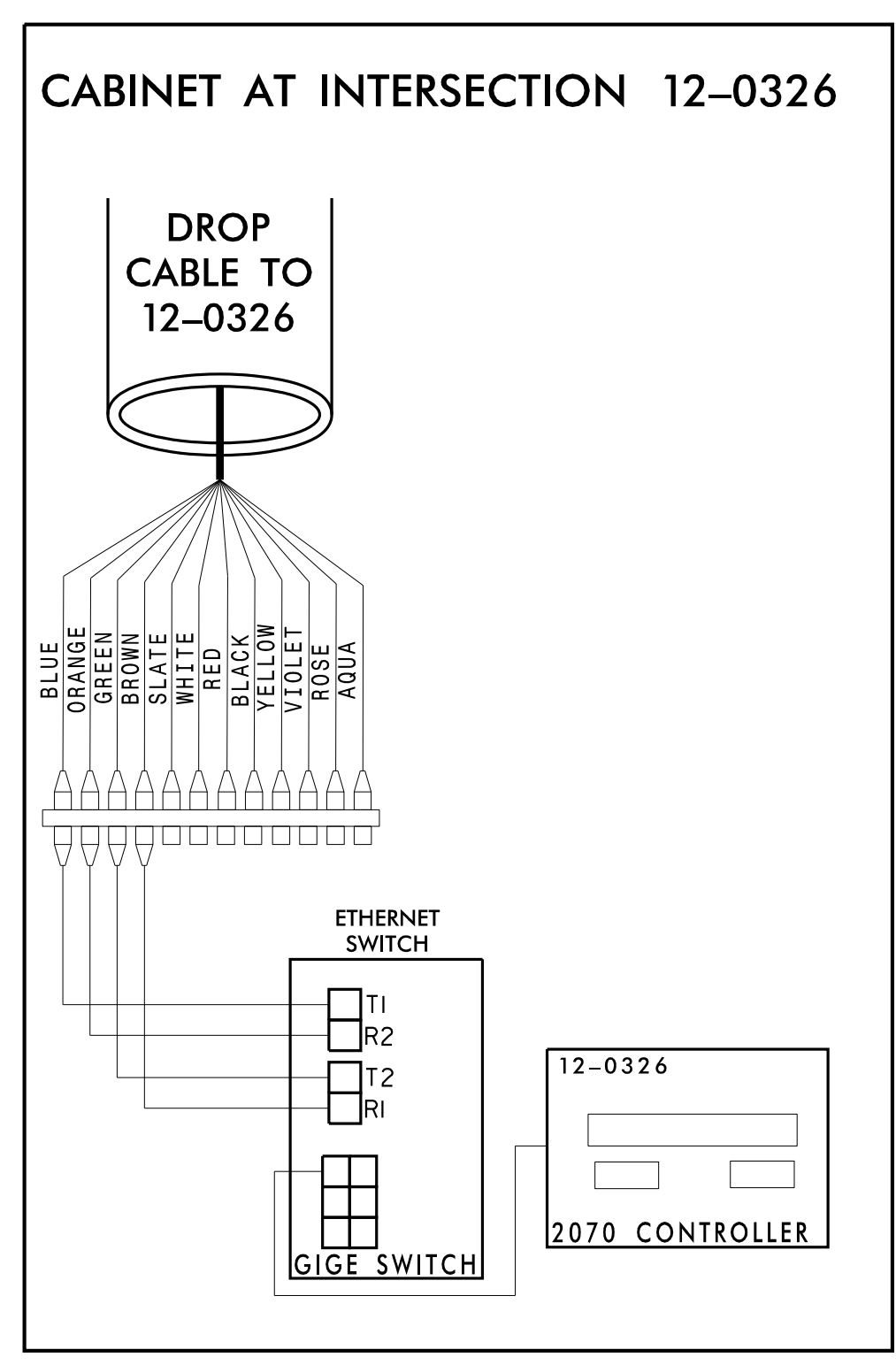
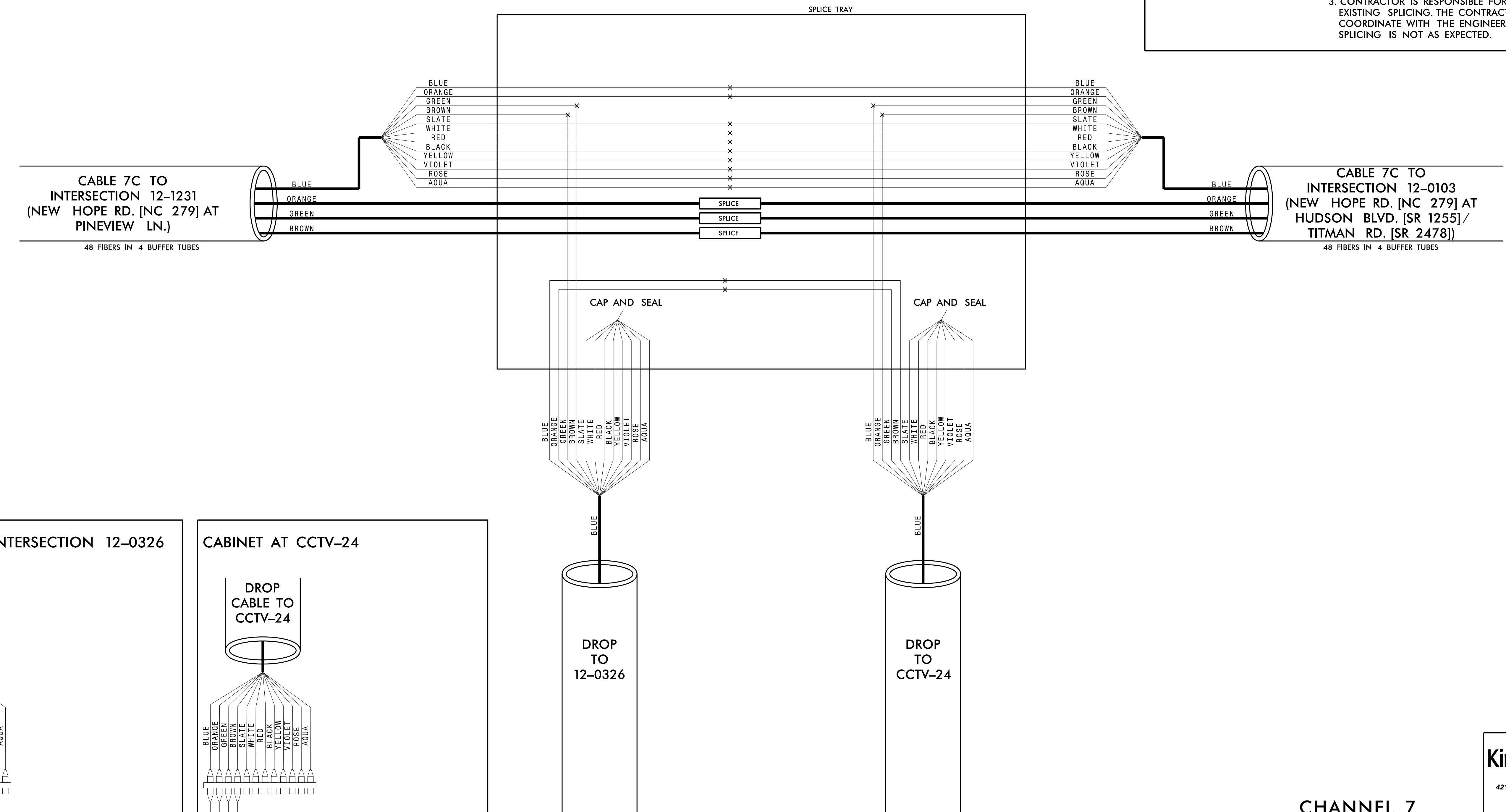
**LEGEND**

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

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

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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

Division 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

250 N. Greenfield Place, Garner, NC 27529

SCALE: 0

REVISIONS: INIT. DATE

DocuSigned by: Inger Van Osdel 3/16/2022

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952

CADD File name:

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CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
HUDSON BLVD. [SR 1255]/TITMAN RD. [SR 2478])  
SIG ID 12-0103

**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

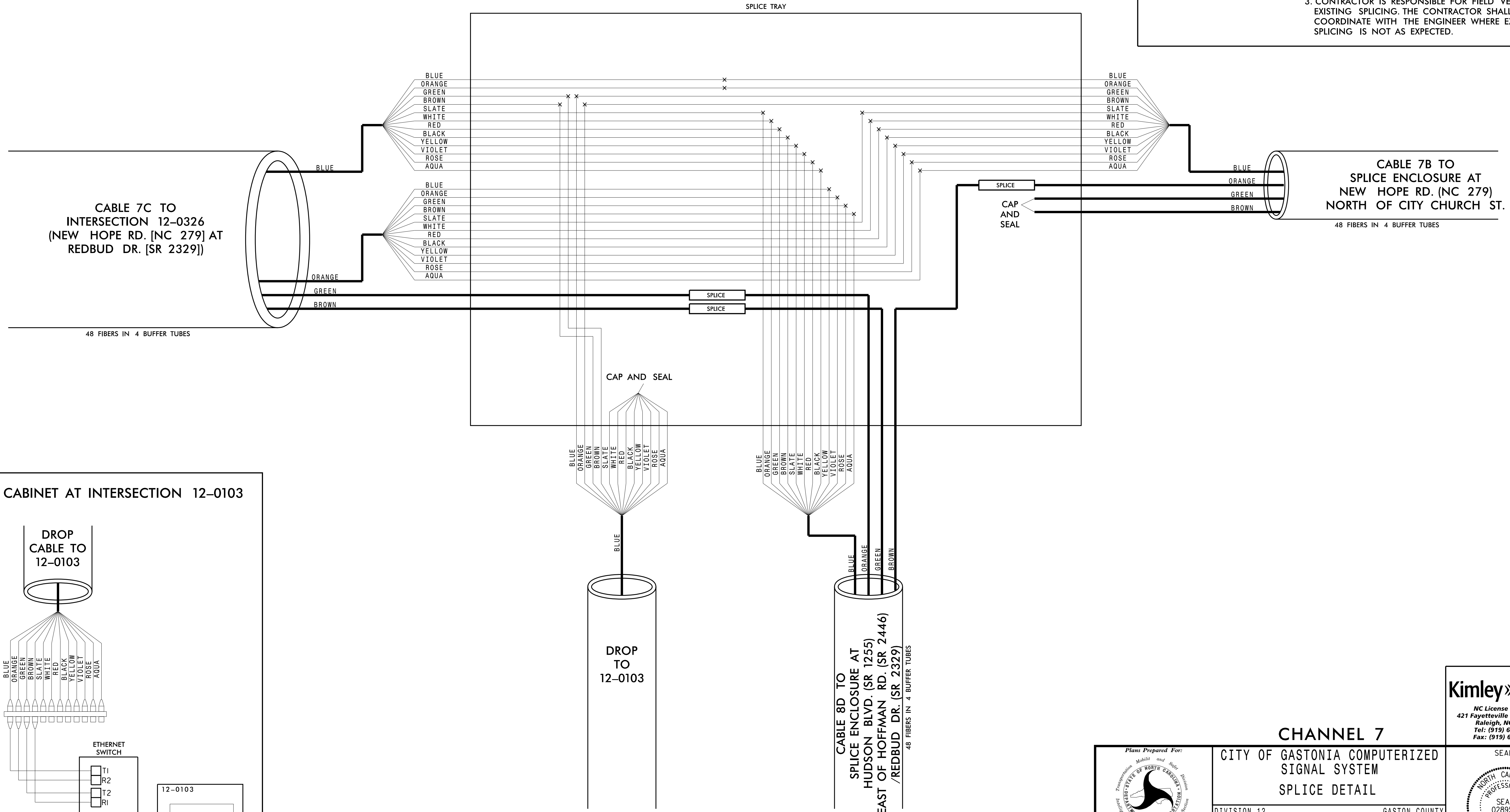
**LEGEND**

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

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

**NOTES:**

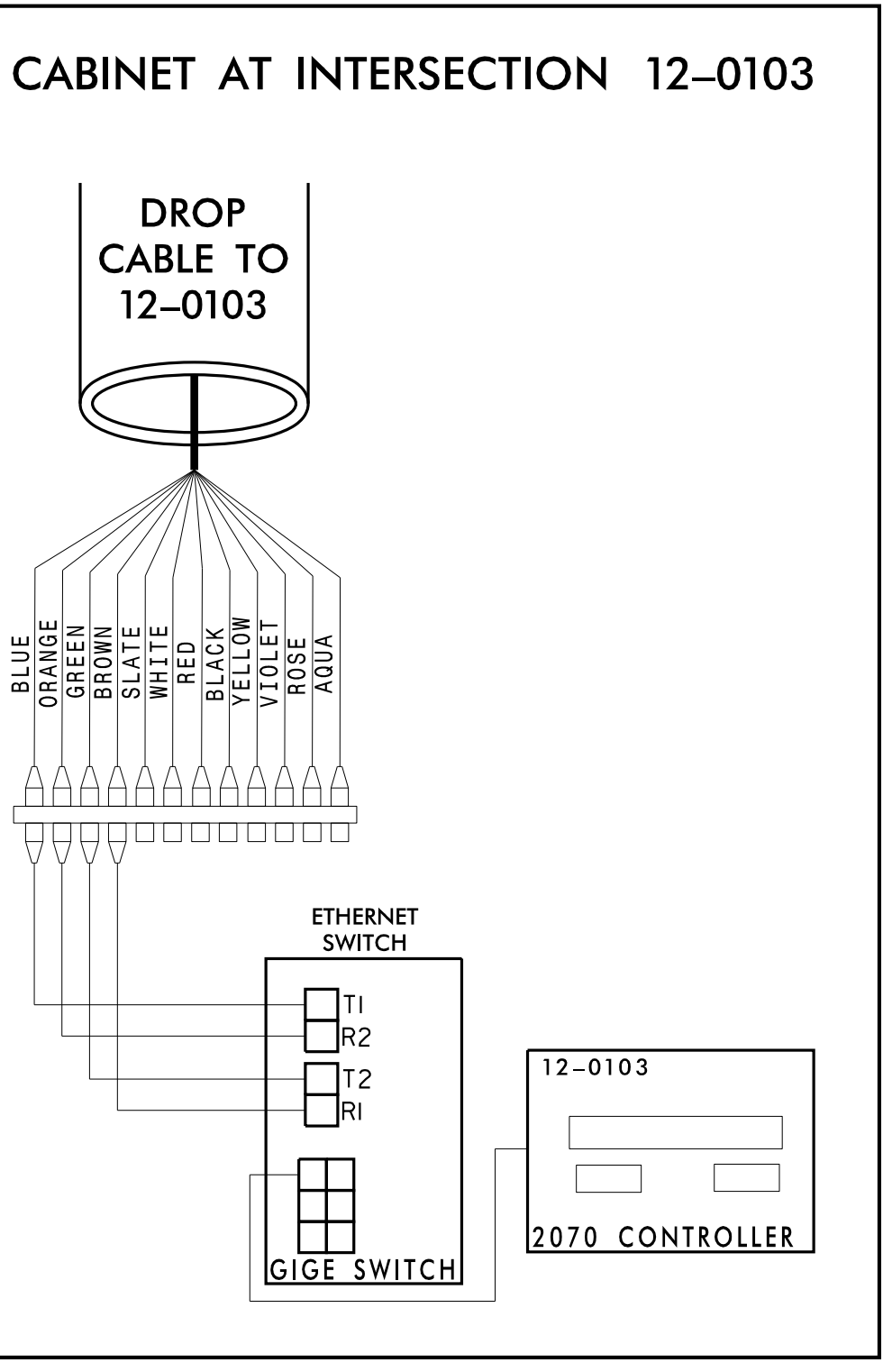
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.
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CABLE 7C TO  
INTERSECTION 12-0326  
(NEW HOPE RD. [NC 279] AT  
REDBUD DR. [SR 2329])

CABLE 7B TO  
SPLICE ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
NORTH OF CITY CHURCH ST.  
48 FIBERS IN 4 BUFFER TUBES

CABLE 8D TO  
SPLICE ENCLOSURE AT  
HUDSON BLVD. (SR 1255)  
EAST OF HOFFMAN RD. (SR 2446)  
/REDBUD DR. (SR 2329)  
48 FIBERS IN 4 BUFFER TUBES



**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL

Division 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

DocuSigned by: Inger Van Osdel 3/16/2022

CADD File name: \_\_\_\_\_

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SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 028952  
 INGER Z. VAN OSDEL  
 ENGINEER

3/15/2022  
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CHANNEL 7  
SPlice ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
NORTH OF CITY CHURCH ST.

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

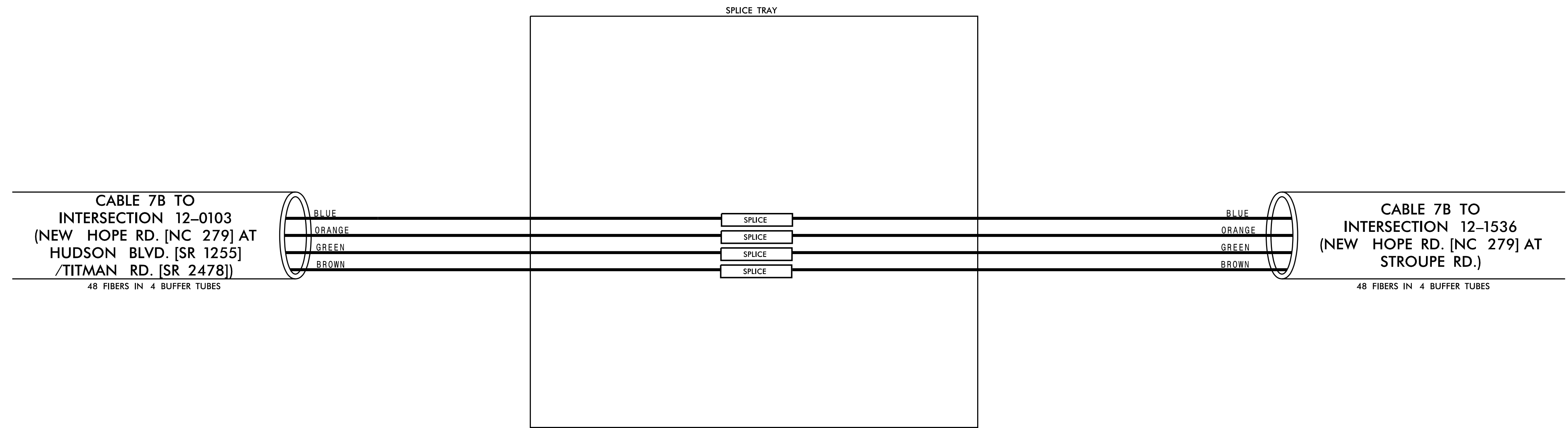
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022  
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Plans Prepared For:  
 Transportation, Mobility and Safe Division  
 DEPARTMENT OF TRANSPORTATION  
 250 N. Greenfield Place, Garner, NC 27529

**CHANNEL 7**  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SCALE  
 0

**Kimley»Horn**  
 NC License #F-0102  
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SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 028952  
 I. VAN OSDELL  
 ENGINEER

DocuSigned by:  
 Iger Van Osdel 3/16/2022  
 DATE

CADD Filename:

CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
STROUPE RD.)  
SIG ID 12-1536

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

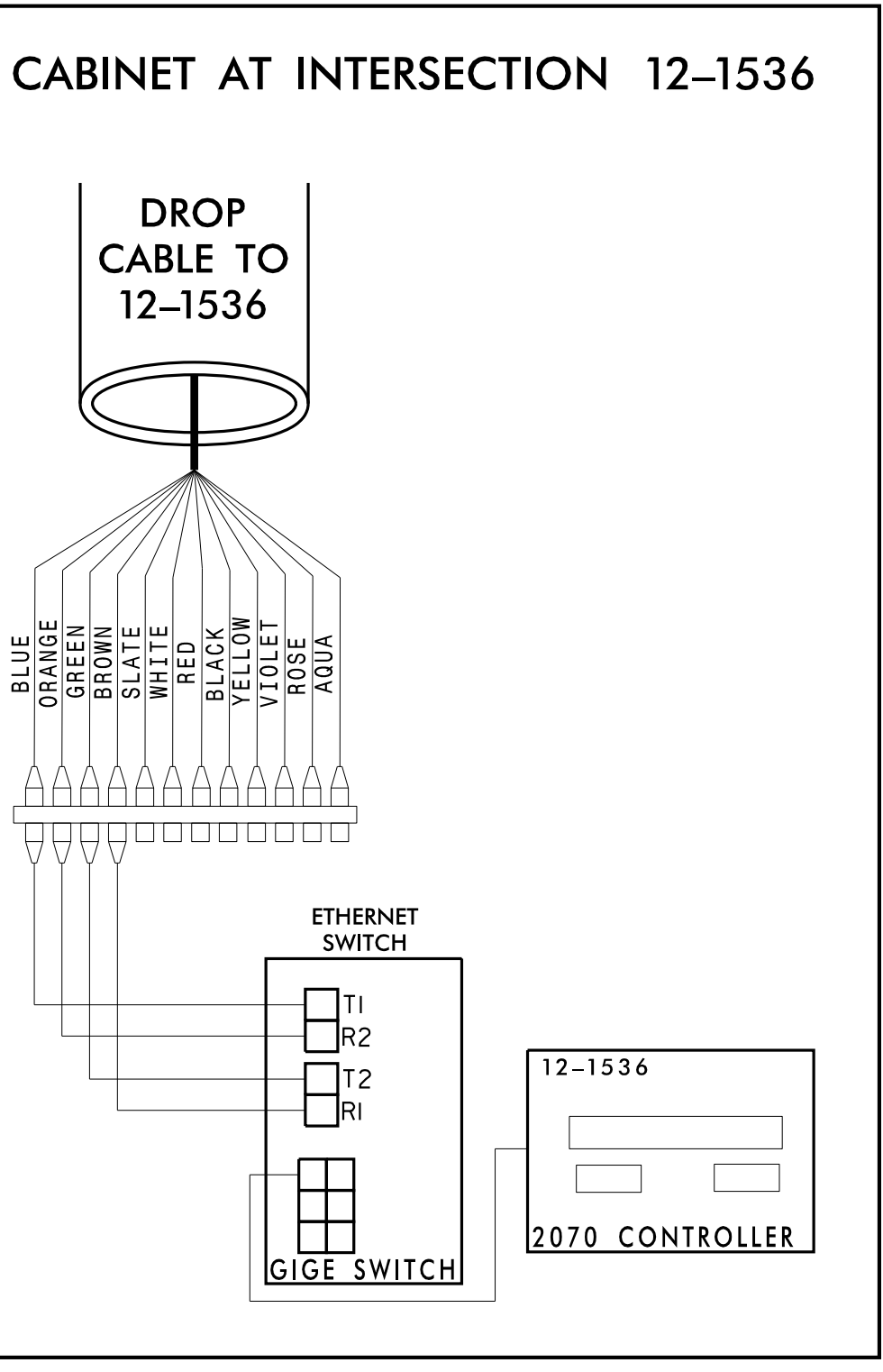
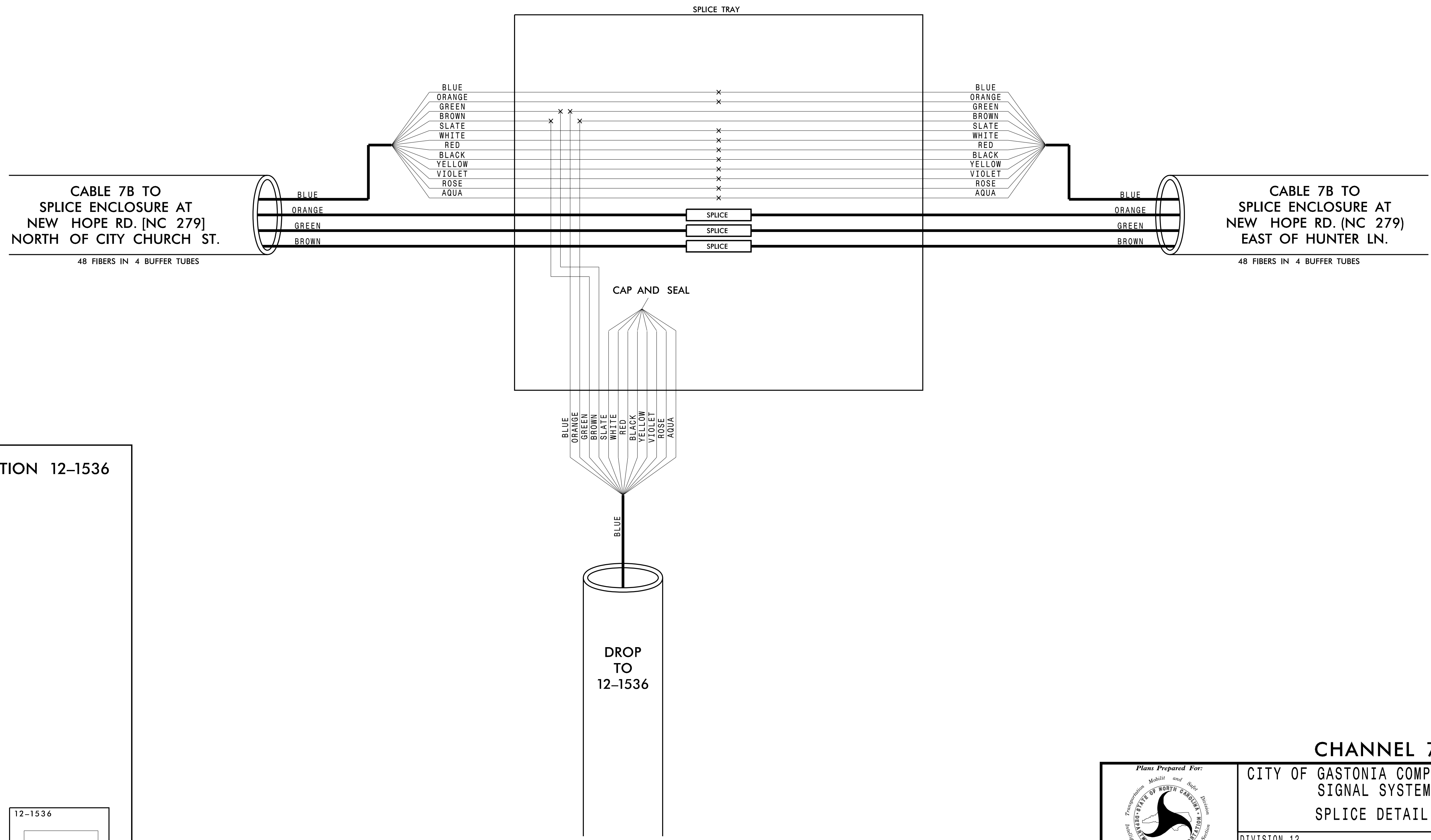
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

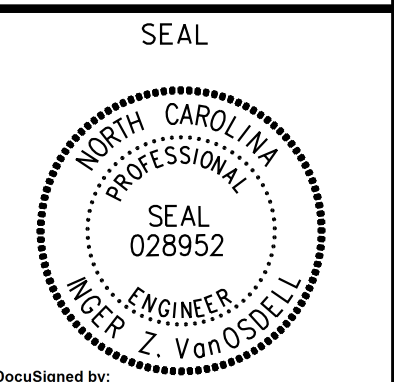
Scale: 0

Revisions table with columns: REVISIONS, INIT., DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022

CADD File name:

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**CHANNEL 7  
SPlice ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
EAST OF HUNTER LN.**

**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

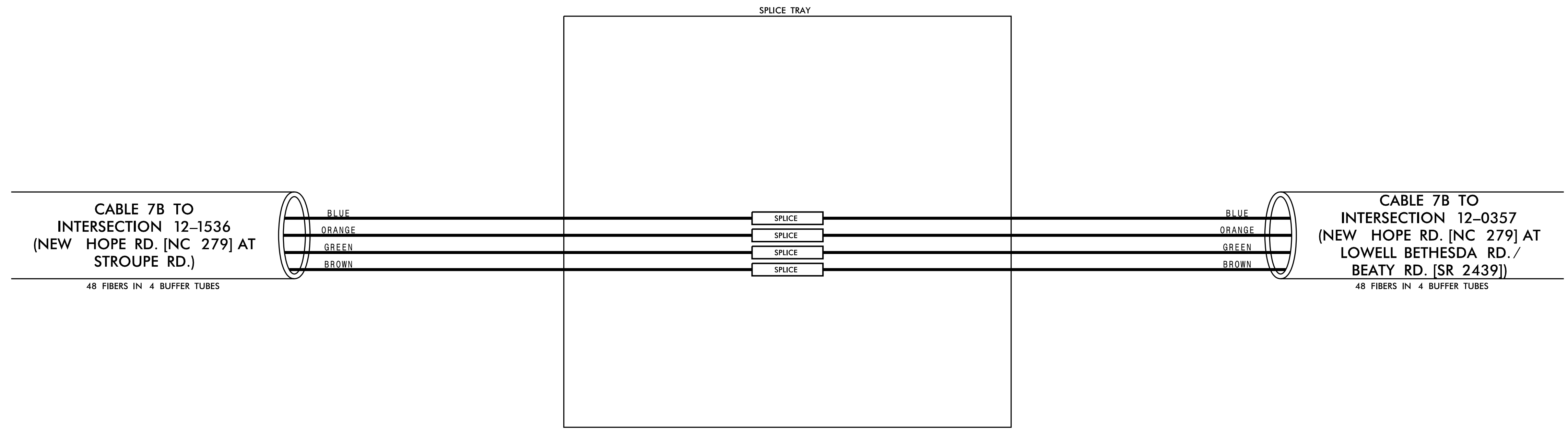
**LEGEND**

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 O - EXISTING SPlice  
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**CHANNEL 7  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT.	DATE	

SCALE: 0

DocuSigned by: *Inger Van OsdeLL* 3/16/2022

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028952 INGER Z. VAN OSDELL

CADD Filename:



CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
LOWELL BETHESDA RD./  
BEATY RD. [SR 2439])  
SIG ID 12-0357

**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

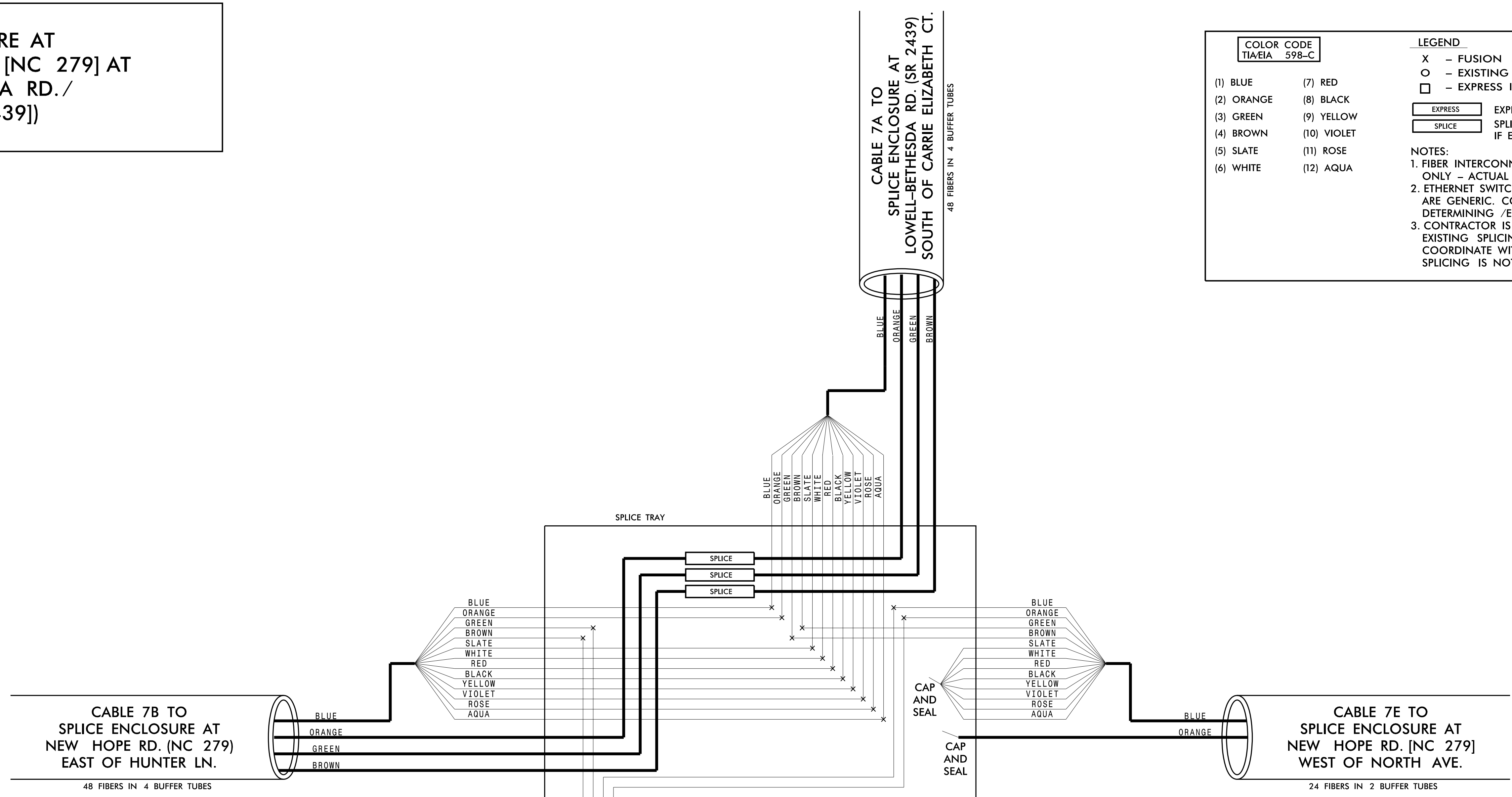
**LEGEND**

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

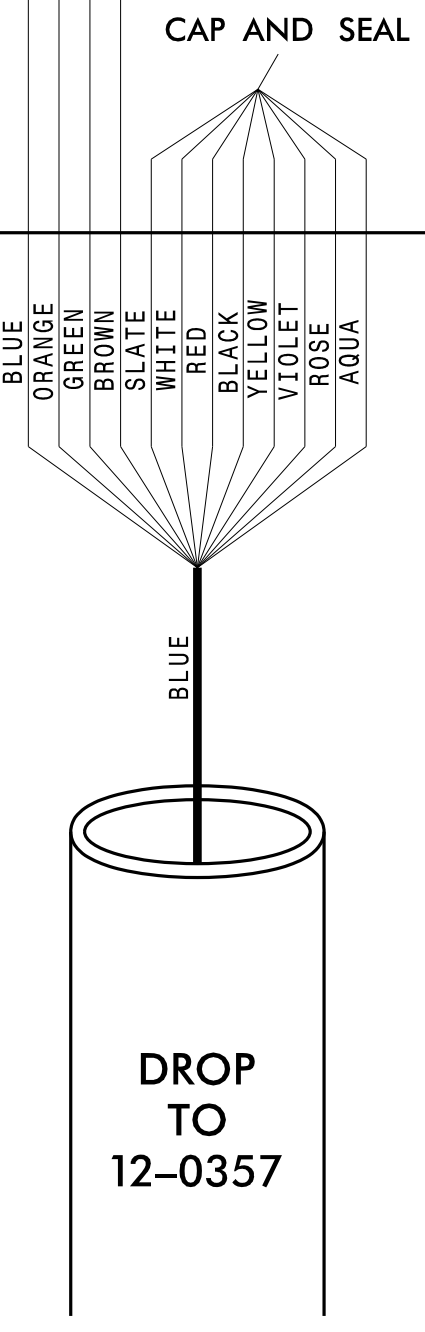
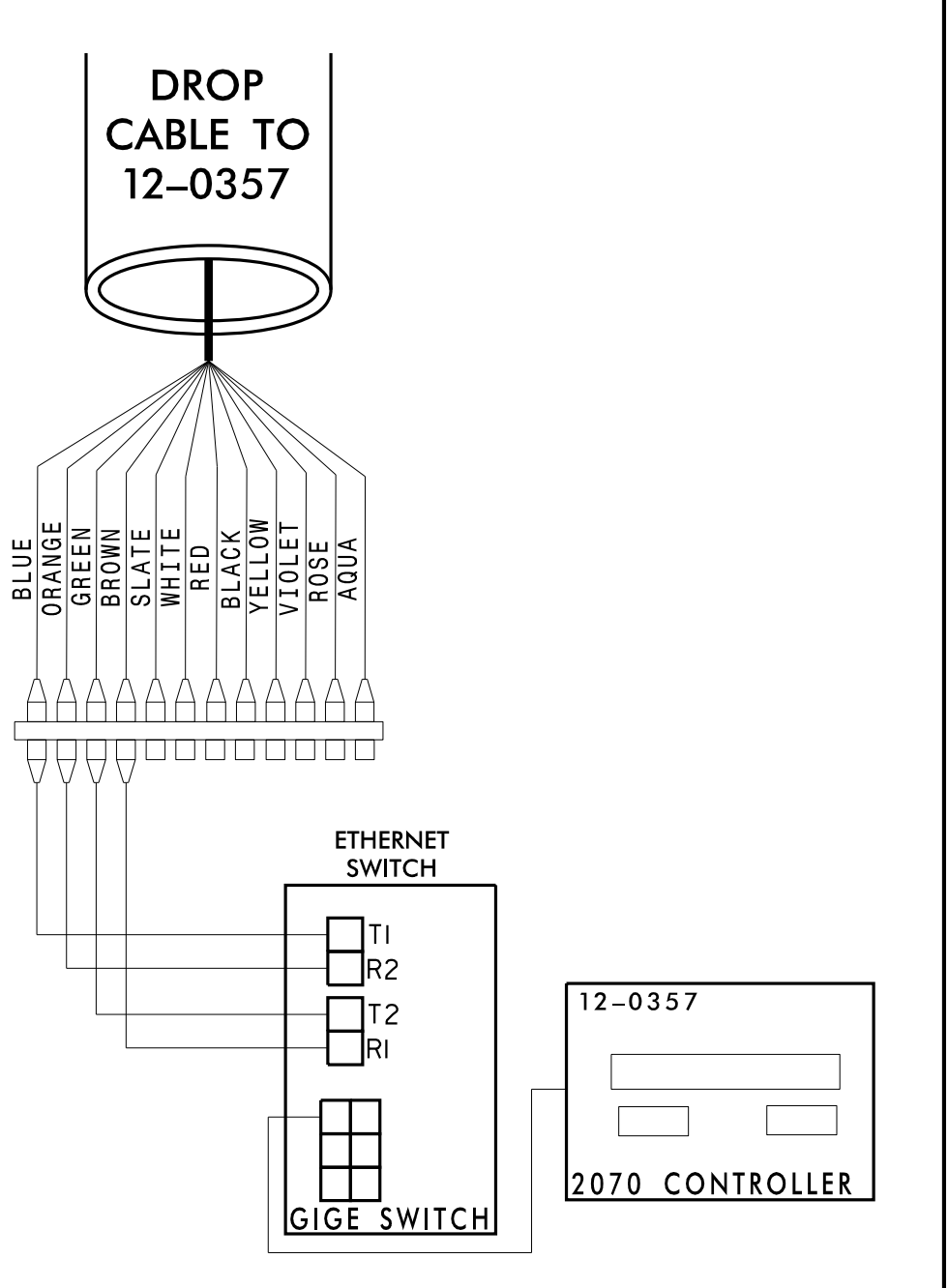
EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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CABINET AT INTERSECTION 12-0357



**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: INIT. DATE

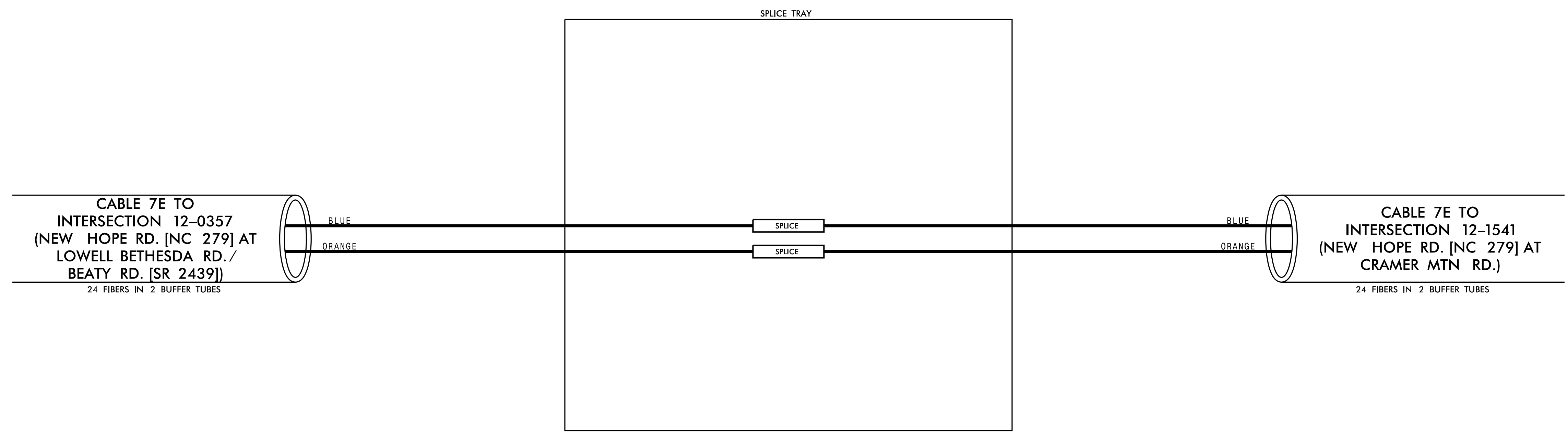
Seal: **Kimley»Horn**  
 NC License #F-0102  
 421 Fayetteville St., Suite 600  
 Raleigh, NC 27601  
 Tel: (919) 677-2000  
 Fax: (919) 677-2050

Seal: **INGEENIER**  
 I. VAN OSDELL  
 028952  
 3/16/2022

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\_SPL059.dgn

**CHANNEL 7  
SPLICE ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
WEST OF NORTH AVE.**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
		1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.	
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3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\_SPL060.dgn

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**CHANNEL 7**

**CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL**



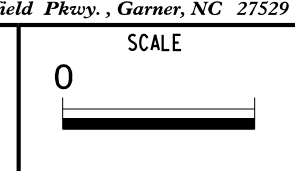
Plans Prepared For:  
Preparation, Mobil and Safe Division  
DEPARTMENT OF TRANSPORTATION  
250 N. Greenfield Place, Garner, NC 27529

DIVISION 12	GASTON COUNTY
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
MICHAEL Z. VAN OSDELL

DocuSigned by:  
*Inger Van Osdel* 3/16/2022  
DATE



CHANNEL 7  
SPlice ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
CRAMER MTN RD.)  
SIG ID 12-1541

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

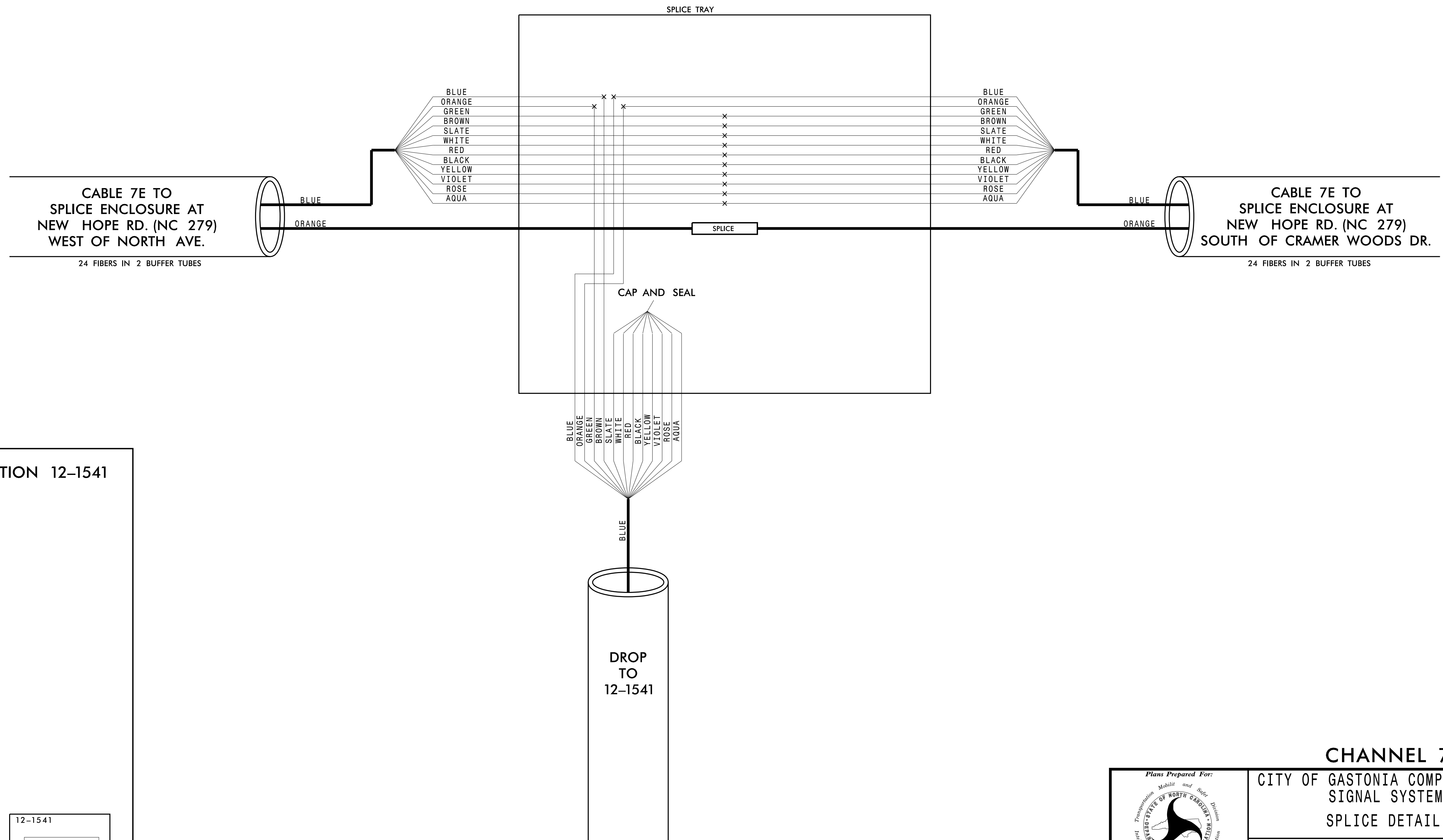
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

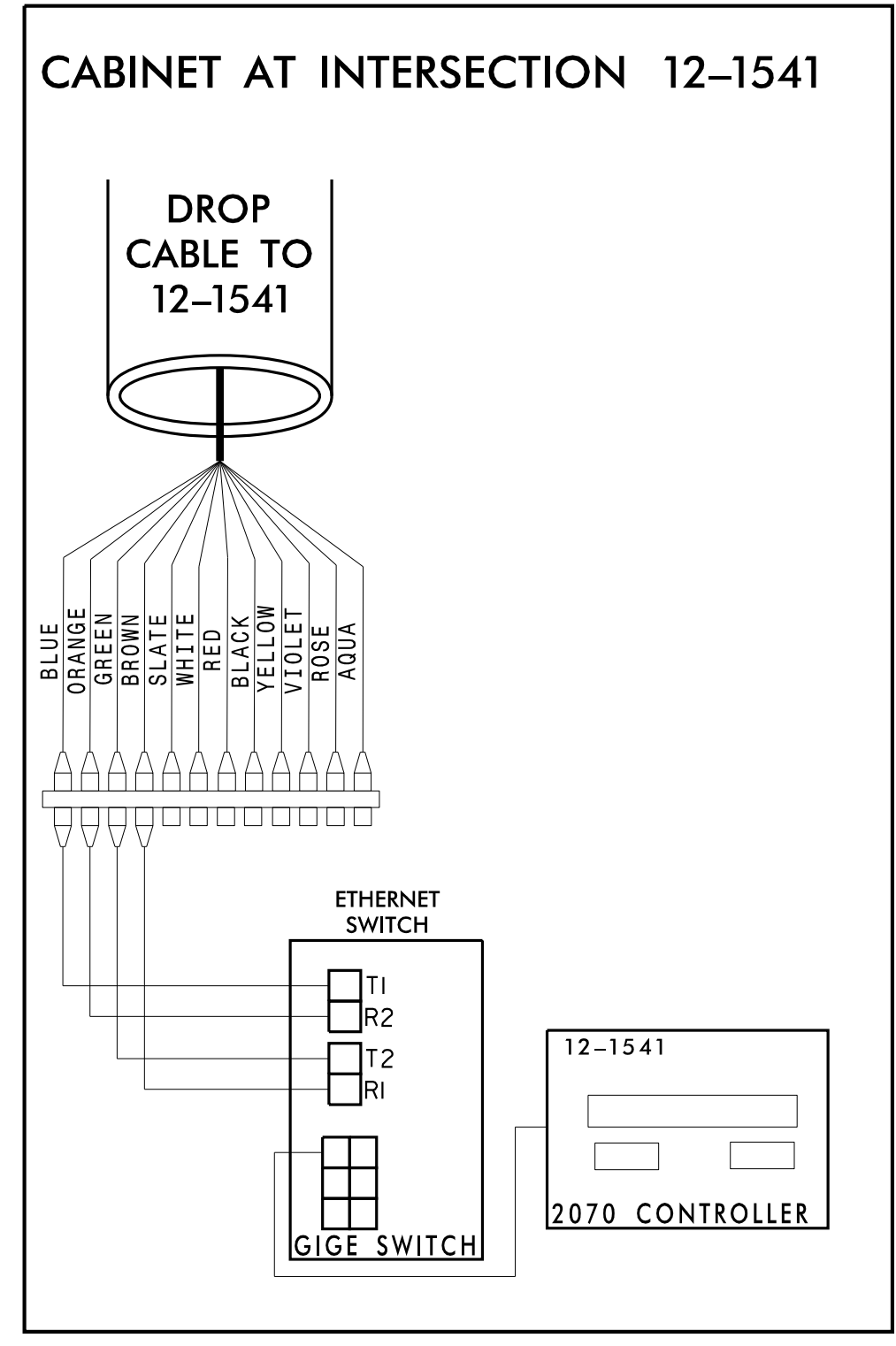
EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

**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.



CABLE 7E TO  
SPlice ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
WEST OF NORTH AVE.  
24 FIBERS IN 2 BUFFER TUBES

CABLE 7E TO  
SPlice ENCLOSURE AT  
NEW HOPE RD. (NC 279)  
SOUTH OF CRAMER WOODS DR.  
24 FIBERS IN 2 BUFFER TUBES



**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

DocuSigned by: Inger Van OsdeLL 3/16/2022

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

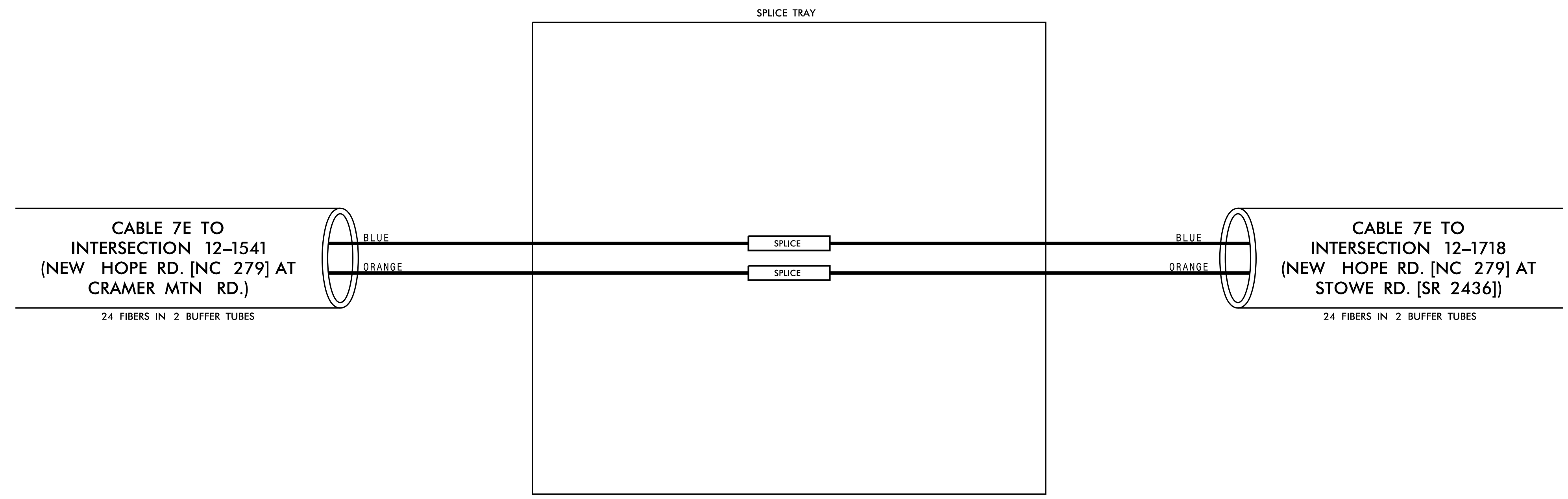
SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 028952  
 INGER Z. VAN OSDELL  
 ENGINEER

3/15/2022  
\\kimley-horn.com\SE\RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL061.dgn



**CHANNEL 7  
 SPLICE ENCLOSURE AT  
 NEW HOPE RD. (NC 279)  
 SOUTH OF CRAMER WOODS DR.**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
		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.	
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 Tel: (919) 677-2000  
 Fax: (919) 677-2050

**CHANNEL 7**

**CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL**



Plans Prepared For:  
 Transportation, Mobility and Safe Division  
 DEPARTMENT OF TRANSPORTATION  
 250 N. Greenfield Place, Garner, NC 27529

DIVISION 12	GASTON COUNTY
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 I. VAN OSDELL  
 License No. 028952

DocuSigned by:  
 I. Van Osdel  
 3/16/2022



CHANNEL 7  
SPLICE ENCLOSURE AT  
(NEW HOPE RD. [NC 279] AT  
STOWE RD. [SR 2436])  
SIG ID 12-1718

**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

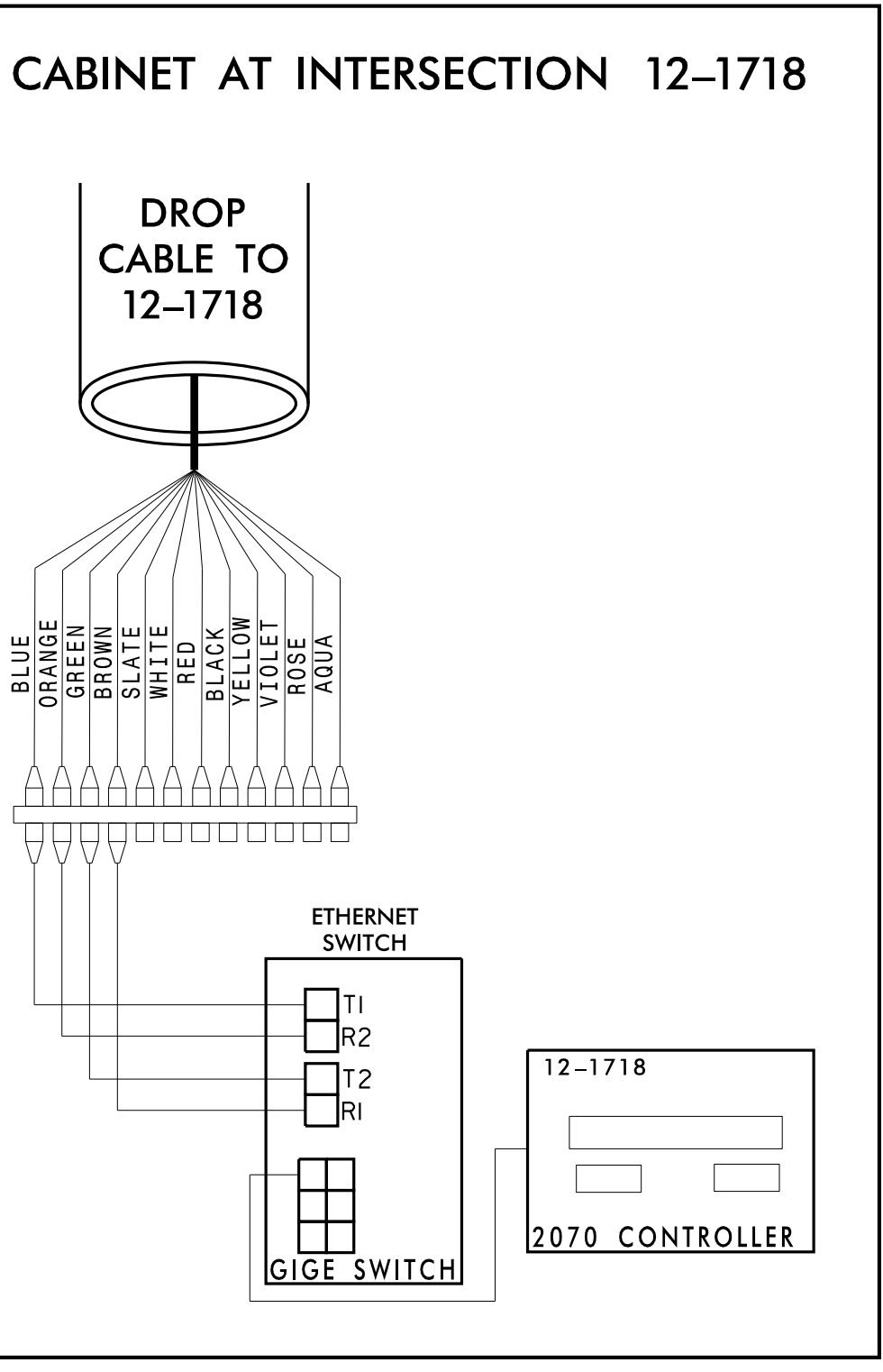
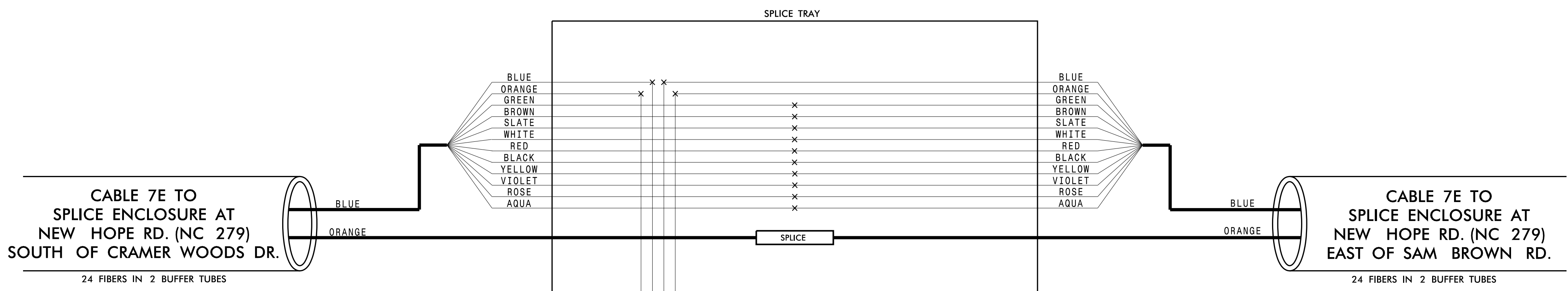
**LEGEND**

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

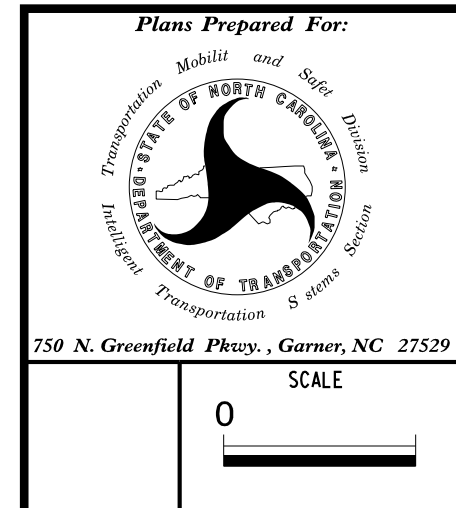
EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPLICE - SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

**Kimley»Horn**

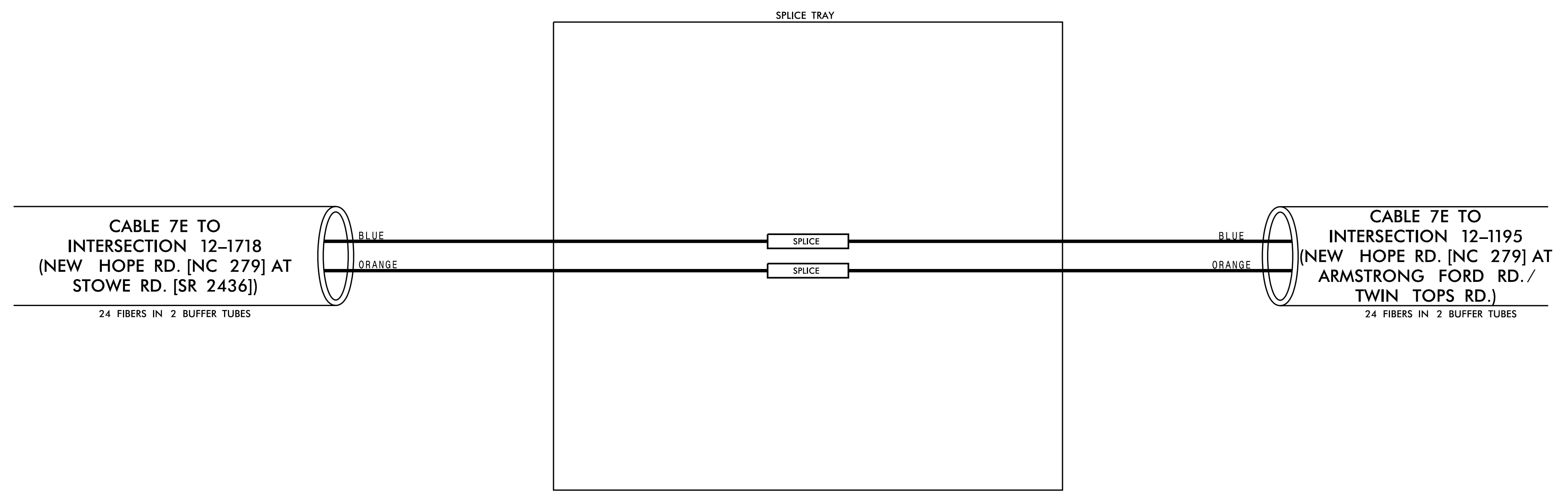
NC License #F-0102  
421 Fayetteville St., Suite 600  
Raleigh, NC 27601  
Tel: (919) 677-2000  
Fax: (919) 677-2050

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
No. 028952  
Inger Van Osdel  
3/16/2022

**CHANNEL 7  
 SPLICE ENCLOSURE AT  
 NEW HOPE RD. (NC 279)  
 EAST OF SAM BROWN RD.**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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		

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3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL064.dgn

	<b>CHANNEL 7</b>																	
	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SPLICE DETAIL																	
Plans Prepared For: Transportation, Mobility and Safe Division DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Gaston, NC 27529	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER		REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL															
SCALE 	REVISIONS <table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>										INIT. DATE <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>							SEAL NORTH CAROLINA PROFESSIONAL ENGINEER I. VAN OSDELL 3/16/2022 CADD Filename:

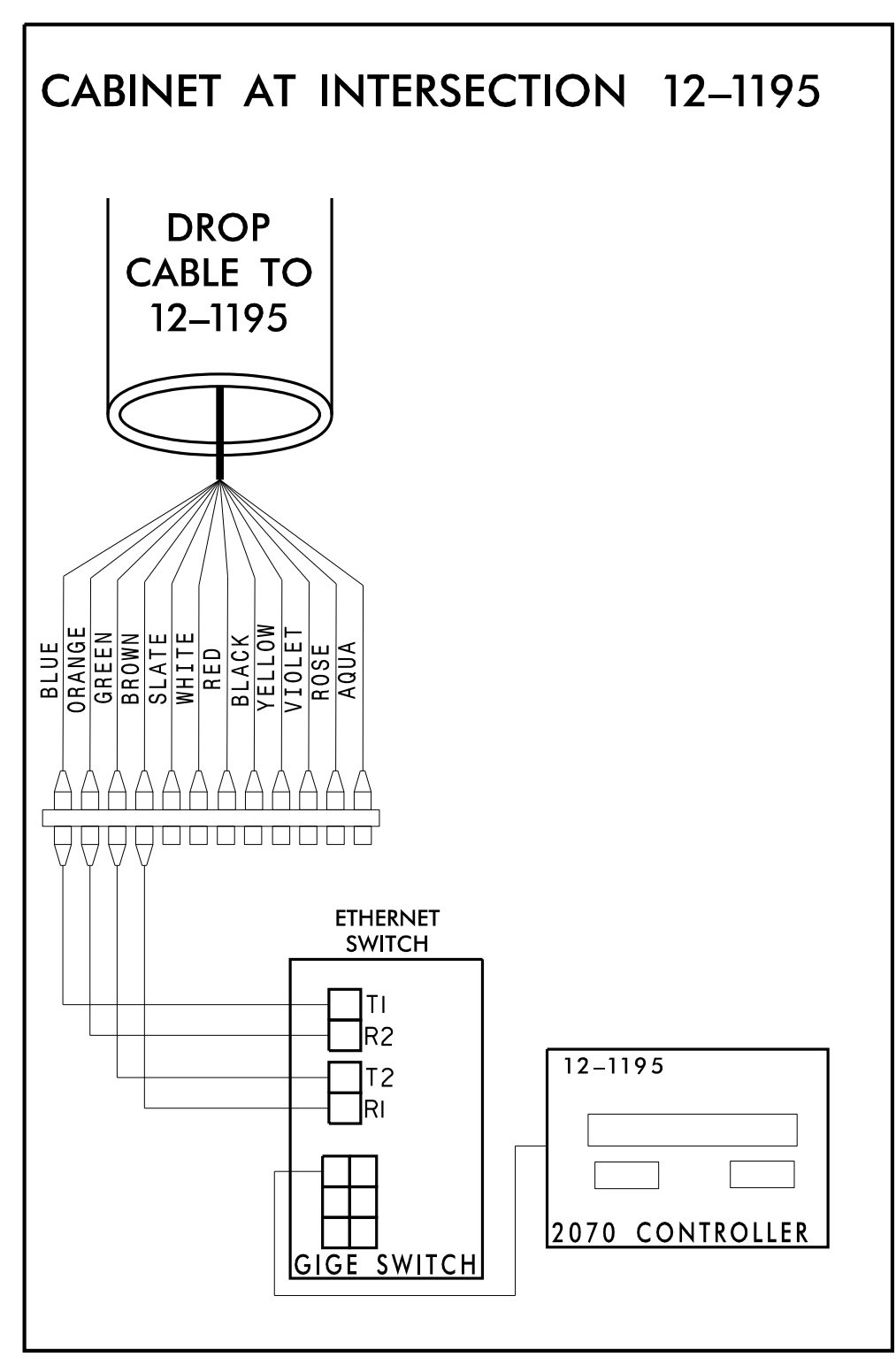
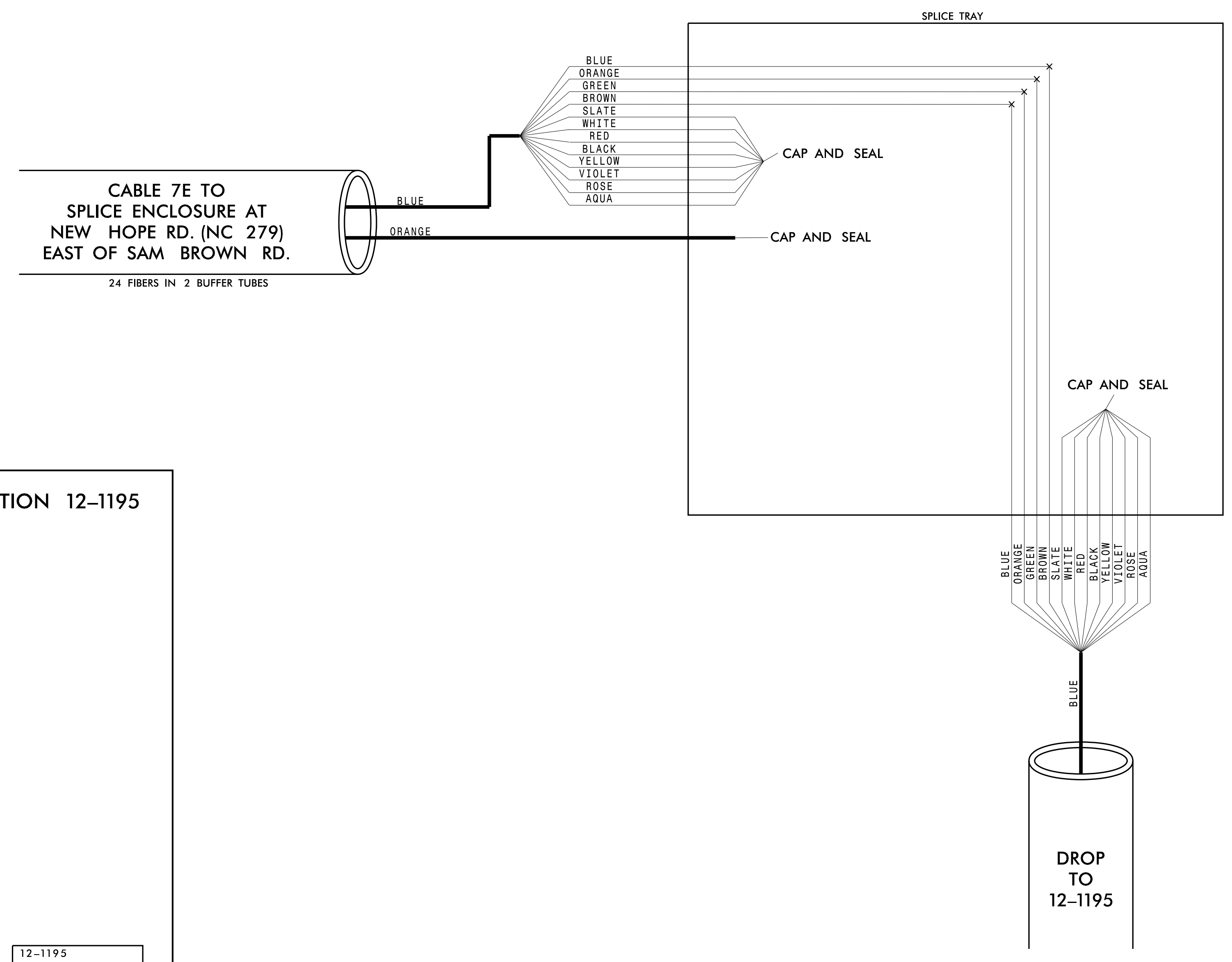
**Kimley»Horn**  
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 421 Fayetteville St., Suite 600  
 Raleigh, NC 27601  
 Tel: (919) 677-2000  
 Fax: (919) 677-2050



**CHANNEL 7  
 SPLICE ENCLOSURE AT  
 (NEW HOPE RD. [NC 279] AT  
 ARMSTRONG FORD RD./  
 TWIN TOPS RD.)  
 SIG ID 12-1195**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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		

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**CHANNEL 7  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT.	DATE	

SCALE: 0

DocuSigned by: *Inger Van OsdeLL* 3/16/2022

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER Z. VAN OSDELL

3/15/2022  
 \\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal System\6\_Tasks\Splcing\SPL065.dgn

CHANNEL 7  
SPlice ENCLOSURE AT  
LOWELL-BETHESDA RD. (SR 2439)  
SOUTH OF CARRIE ELIZABETH CT.

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

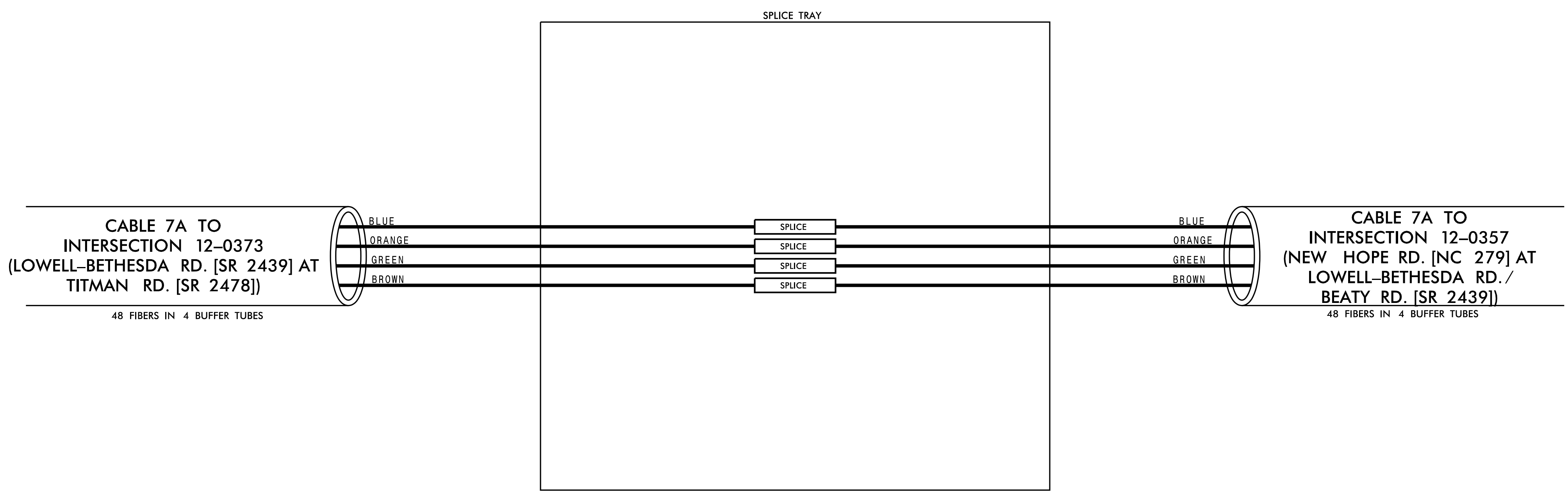
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022 \\kimley-horn.com\SE\_RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\_SPL066.dgn

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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE: \_\_\_\_\_

DocuSigned by: *Inger Van OsdeLL* 3/16/2022  
 SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 INGER Z. VAN OSDELL  
 CADD File name: \_\_\_\_\_

CHANNEL 7  
SPLICE ENCLOSURE AT  
(LOWELL-BETHESDA RD. [SR 2439] AT  
TITMAN RD. [SR 2478])  
SIG ID 12-0373

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

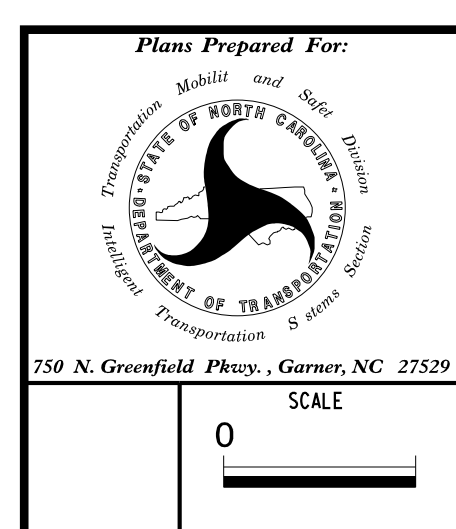
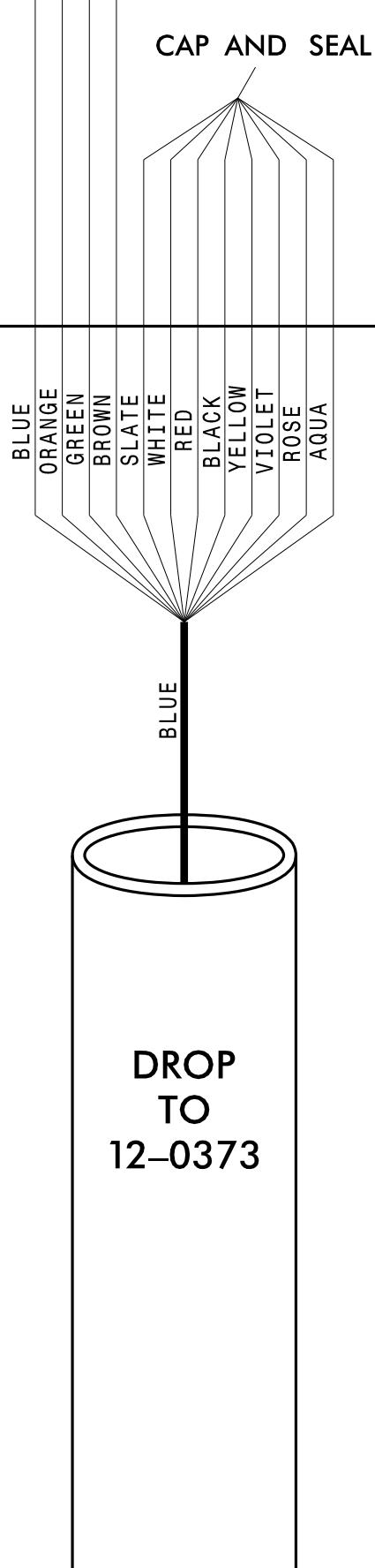
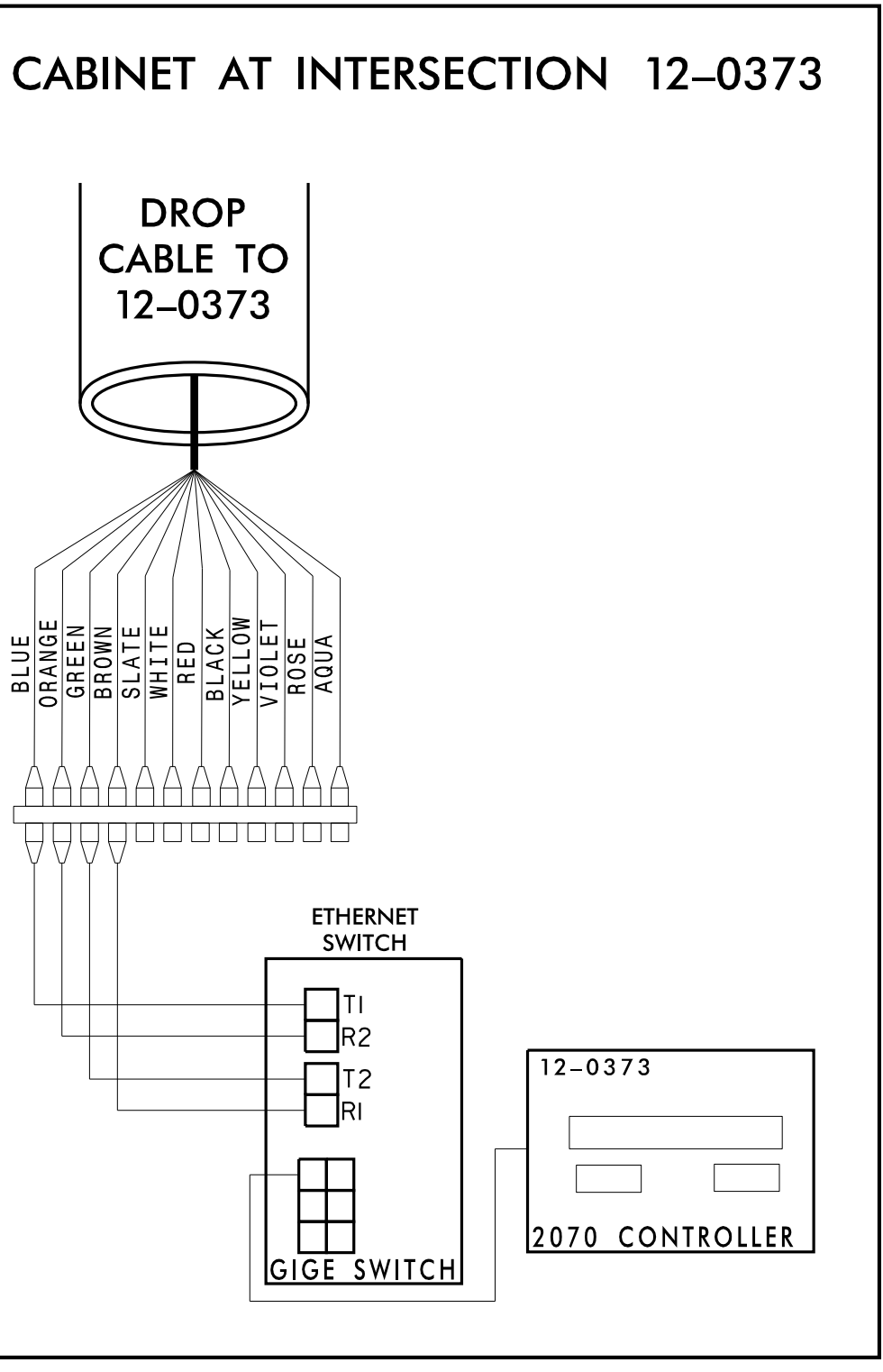
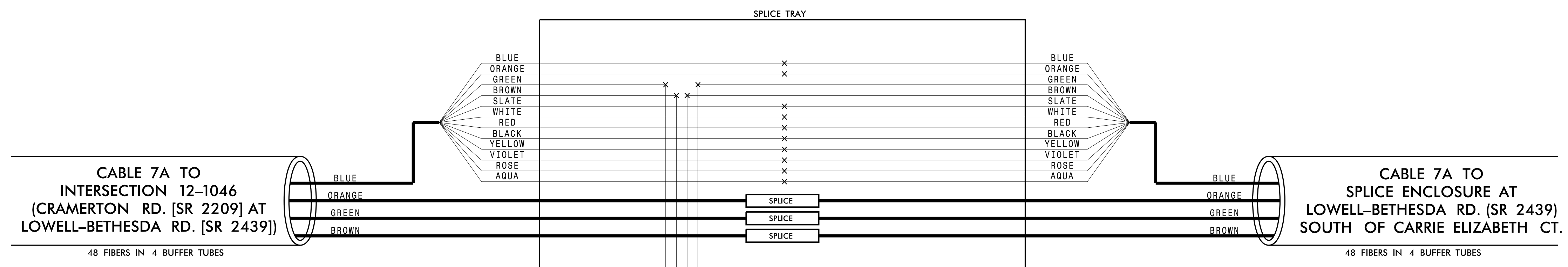
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

**NOTES:**  
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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

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 Fax: (919) 677-2050

DocuSigned by:  
 Inger Van Osdel  
 3/16/2022

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\ITD\ITS\01036569\_Gastonia\_SignalSystem\6\_Tasks\Splicing\SPL067.dgn



CHANNEL 7  
SPLICE ENCLOSURE AT  
(CRAMERTON RD. [SR 2209] AT  
LOWELL-BETHESDA RD. [SR 2439])  
SIG ID 12-1046

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

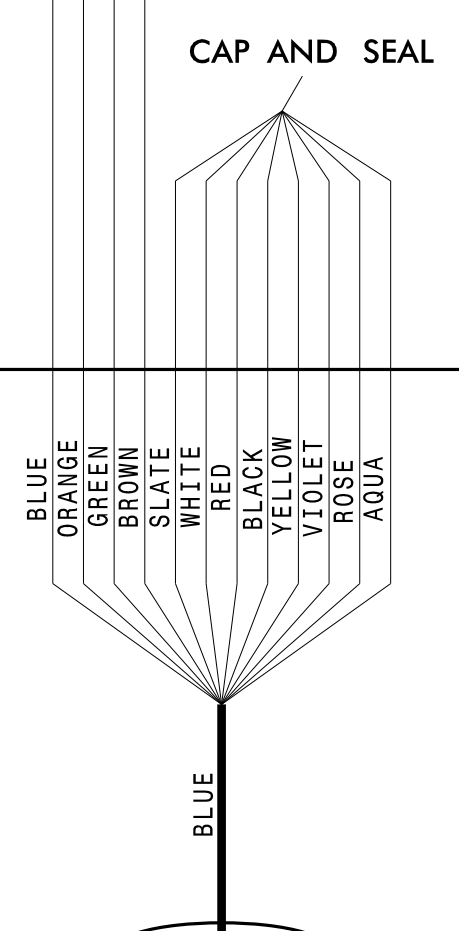
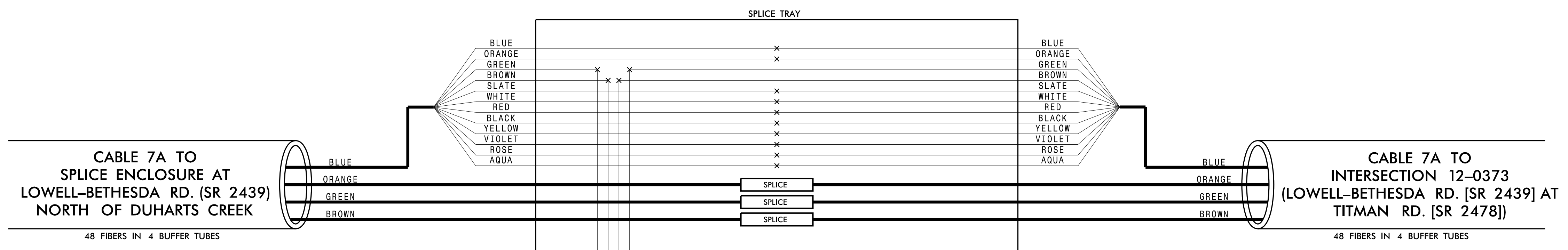
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

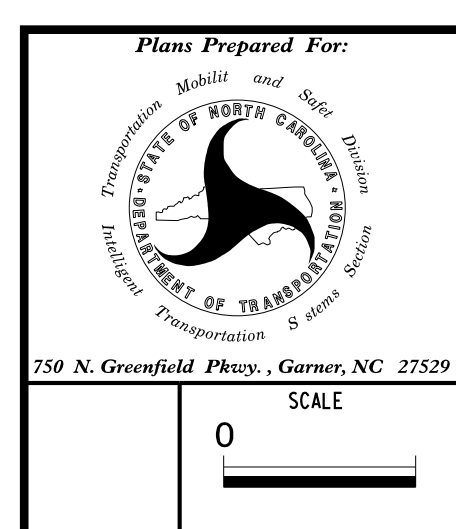
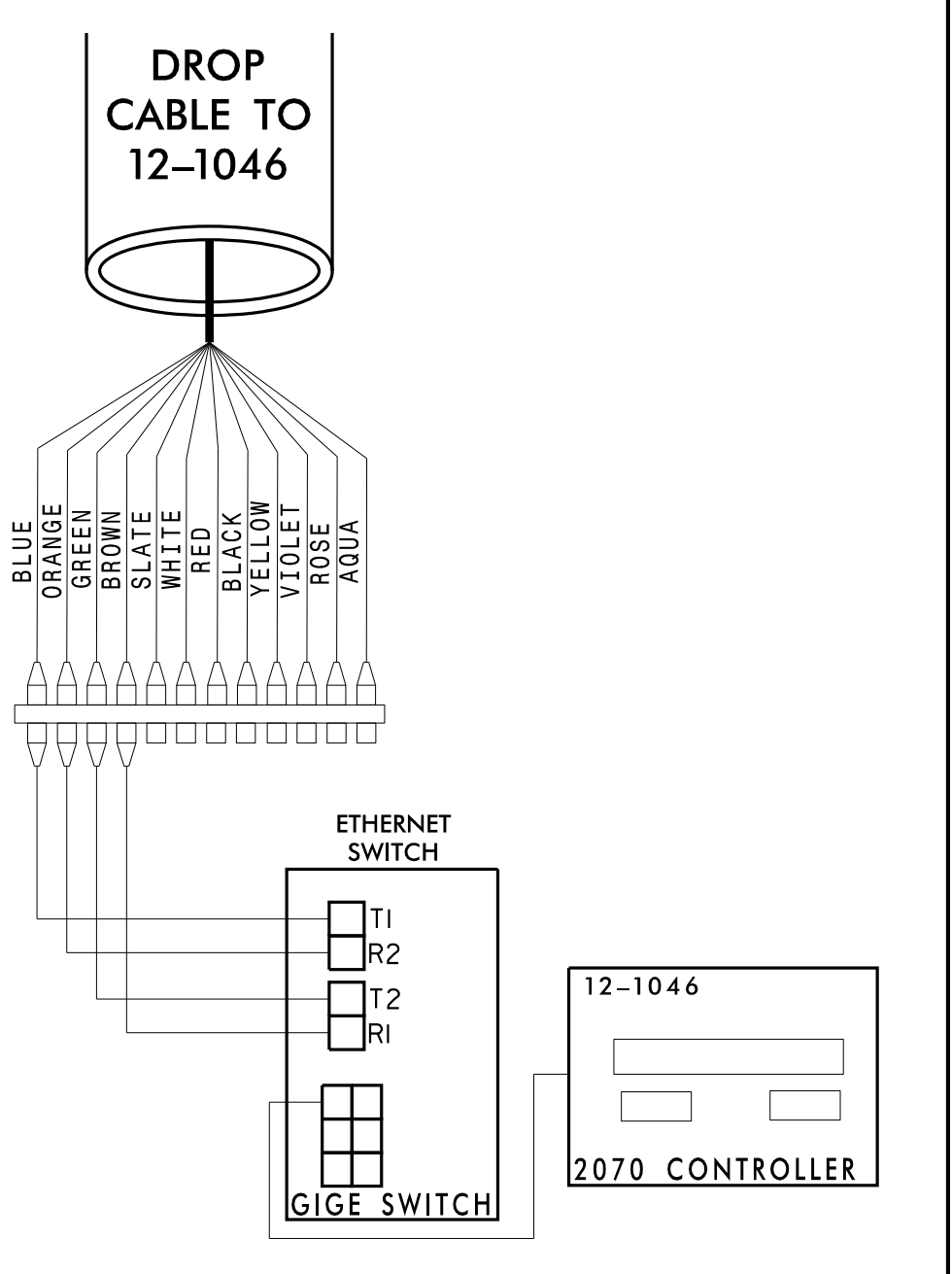
X - FUSION SPlice INDIVIDUAL FIBER  
 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
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CABINET AT INTERSECTION 12-1046



**CHANNEL 7**  
**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SPlice DETAIL**

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SCALE: 0

**Kimley-Horn**

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 Raleigh, NC 27601  
 Tel: (919) 677-2000  
 Fax: (919) 677-2050

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER VAN OSDELL

DocuSigned by:  
 Inger Van Osdel 3/16/2022

CADD File name:

3/15/2022 \\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL068.dgn

CHANNEL 7  
SPlice ENCLOSURE AT  
LOWELL-BETHESDA RD. (SR 2439)  
NORTH OF DUHARTS CREEK

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

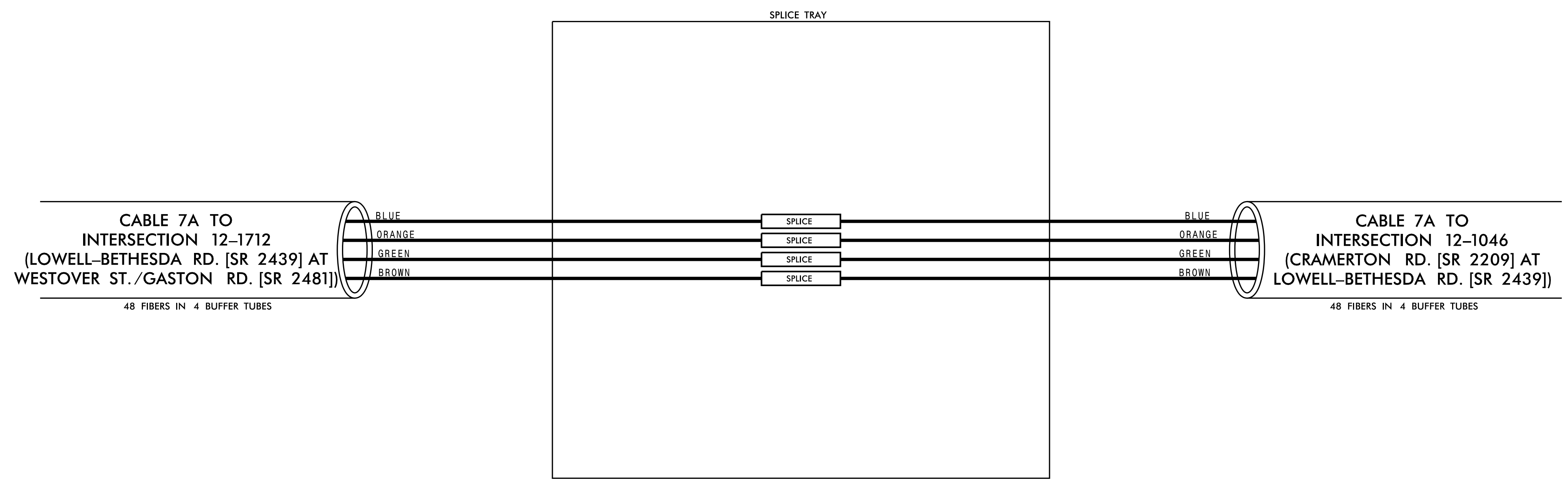
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
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**LEGEND**

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3/15/2022 \\kimley-horn.com\SE\_RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\_SPL069.dgn

**Kimley»Horn**  
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421 Fayetteville St., Suite 600  
Raleigh, NC 27601  
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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE: \_\_\_\_\_

DocuSigned by: *Inger Van OsdeLL* 3/16/2022

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 I. VAN OSDELL, P.E., ENGINEER

CADD File name: \_\_\_\_\_

CHANNEL 7  
SPLICE ENCLOSURE AT  
(LOWELL-BETHESDA RD. [SR 2439] AT  
WESTOVER ST./GASTON RD. [SR 2481])  
SIG ID 12-1712

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

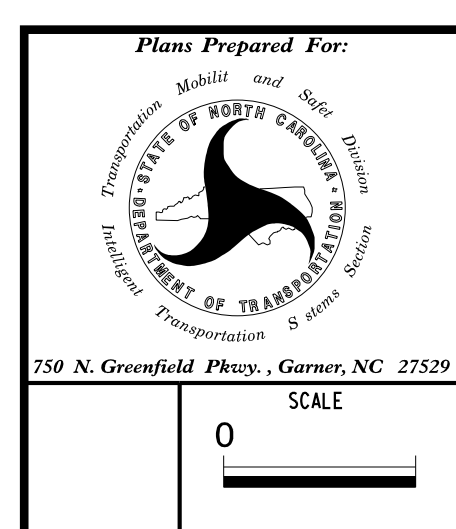
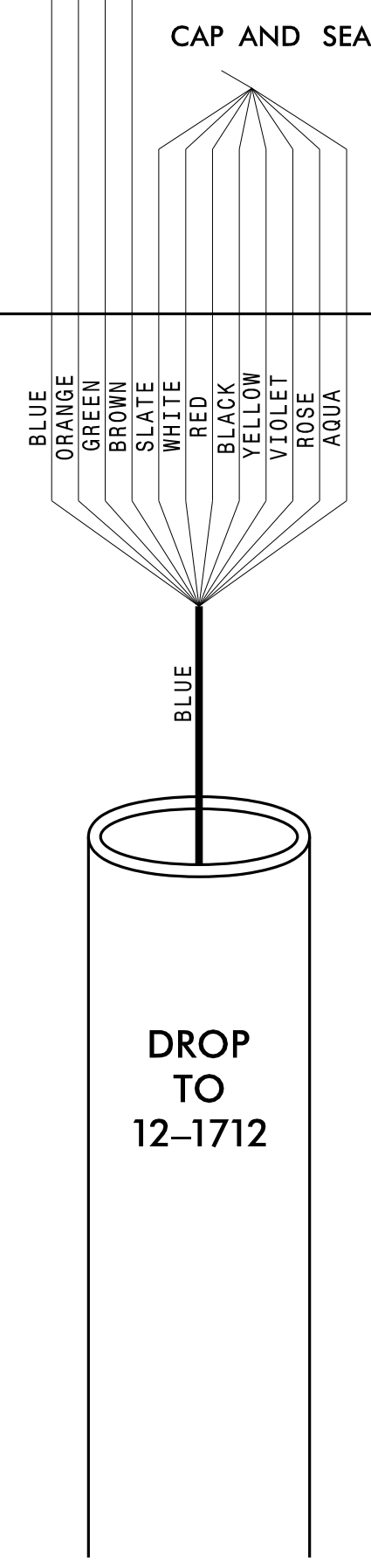
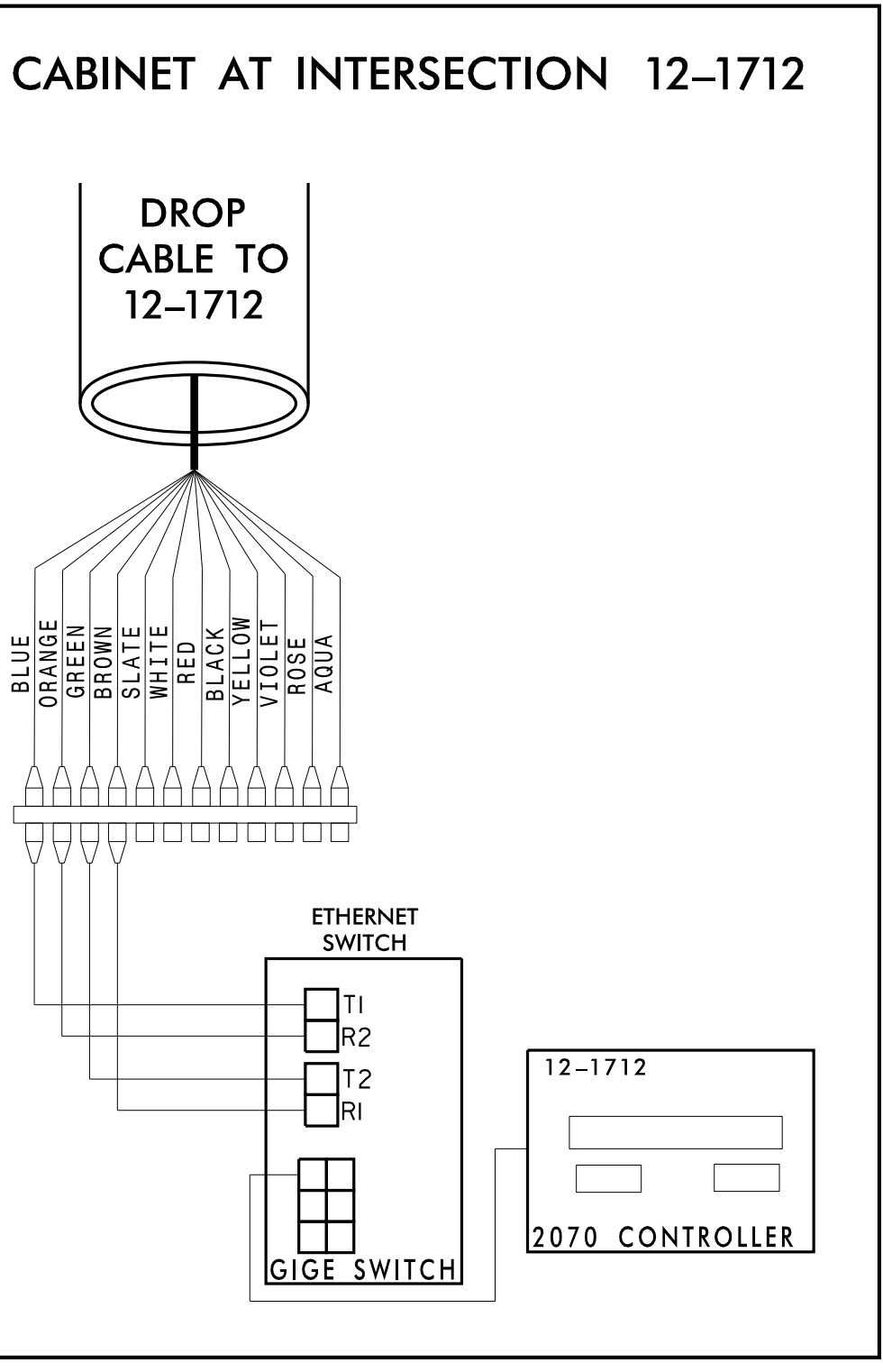
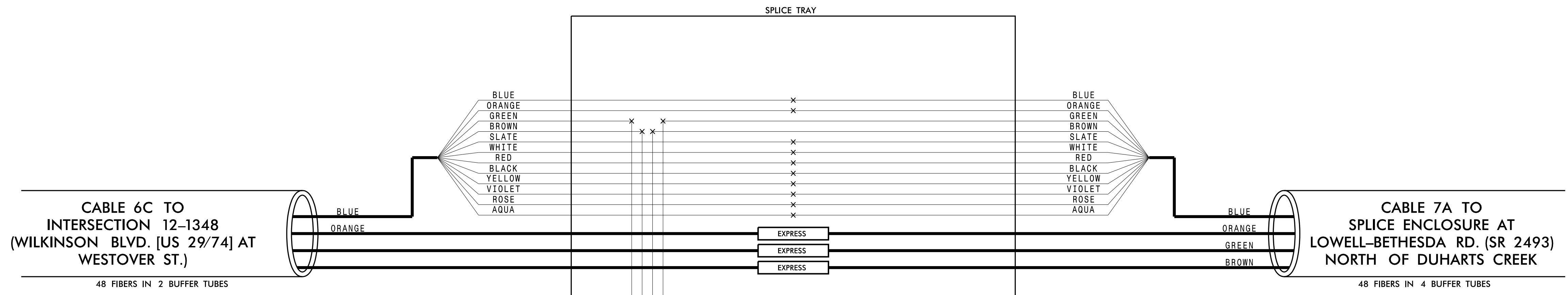
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

**NOTES:**  
 1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.  
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**CHANNEL 7**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

**Kimley»Horn**

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Fax: (919) 677-2050

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 028952  
INGER Z. VAN OSDEL

DocuSigned by:  
Inger Van Osdel  
3/16/2022

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\1PTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL070.dgn



CHANNEL 8  
SPlice ENCLOSURE AT  
UNION RD. (NC 274)  
NORTH OF MALCOLM ST.

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

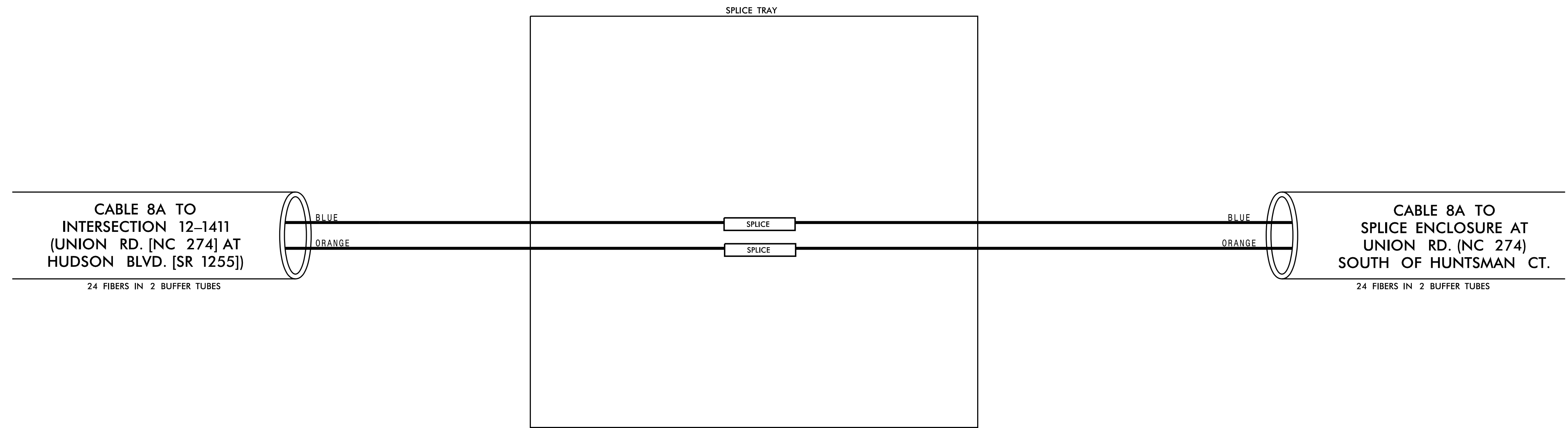
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

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 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022  
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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE  
0

REVISIONS INIT. DATE

DocuSigned by:  
Inger Van OsdeLL 3/16/2022

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 028952  
INGER Z. VAN OSDELL

CADD Filename:

CHANNEL 8  
SPlice ENCLOSURE AT  
UNION RD. (NC 274)  
SOUTH OF HUNTSMAN CT.

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

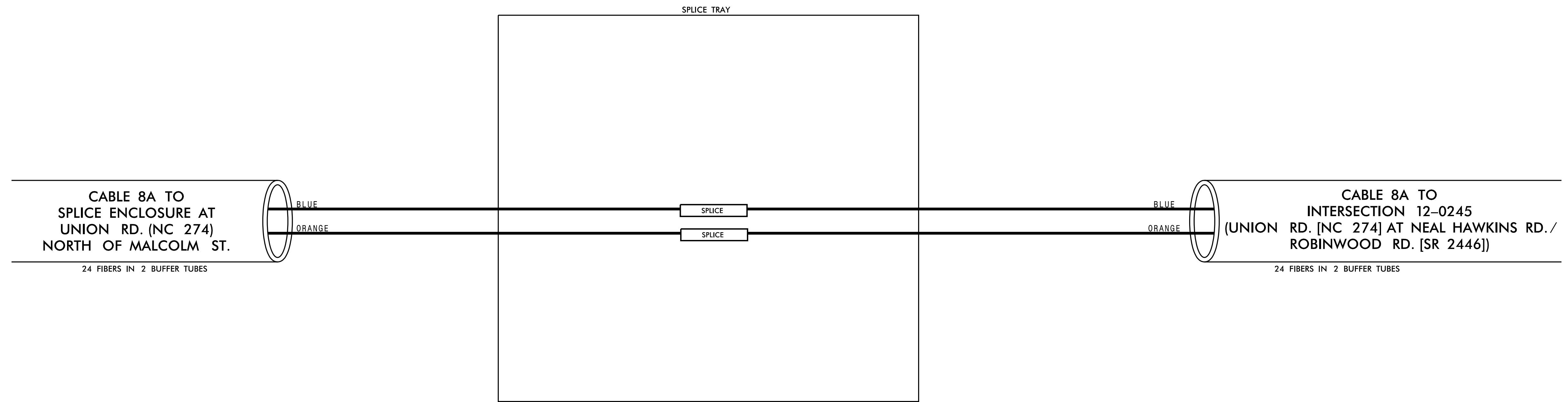
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022  
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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE  
0

REVISIONS INIT. DATE

DocuSigned by:  
Inger Van OsdeLL 3/16/2022

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 028952  
INGEER, I. VAN OSDELL

CADD Filename:

CHANNEL 8  
SPLICE ENCLOSURE AT  
(UNION RD. [NC 274] AT  
NEAL HAWKINS RD./ROBINWOOD RD. [SR 2446])  
SIG ID 12-0245  
CCTV CAMERA-34

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

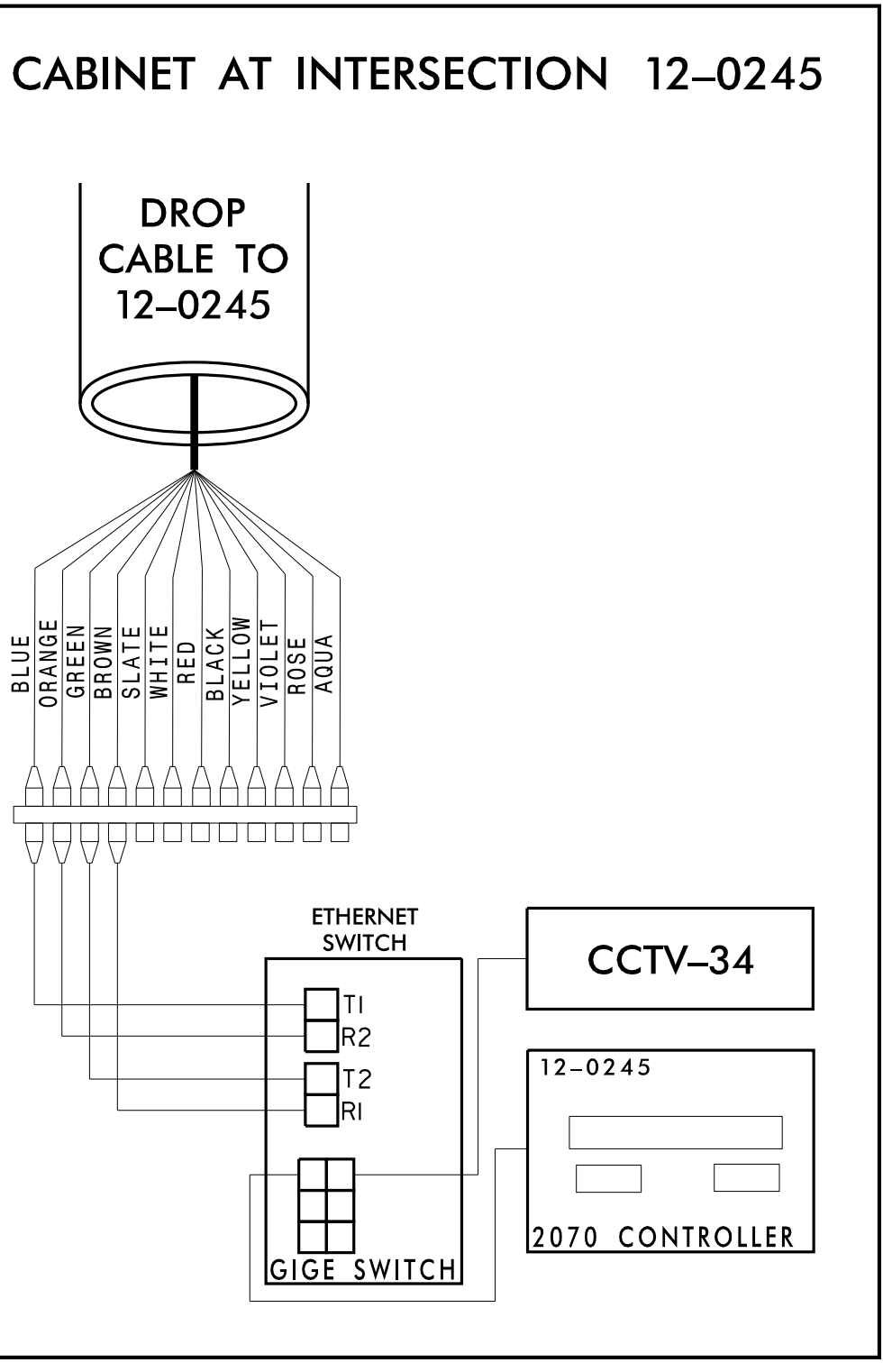
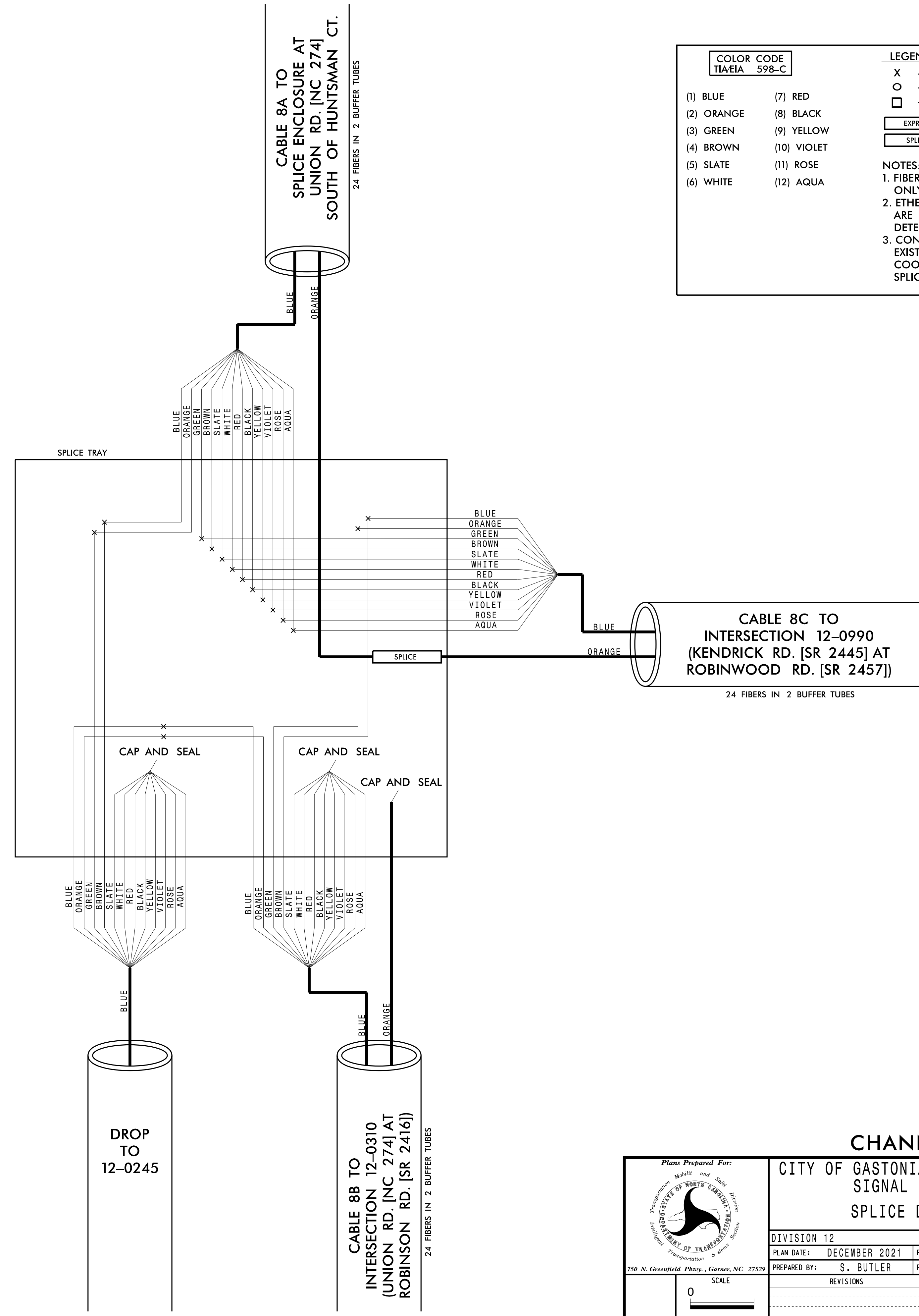
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS: INIT. DATE

SCALE: 0

DocuSigned by: Inger Van Osdel 3/16/2022

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 INGER Z. VAN OSDELL

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**CHANNEL 8  
SPLICE ENCLOSURE AT  
(UNION RD. [NC 274] AT  
ROBINSON RD. [SR 2416])  
SIG ID 12-0310**

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

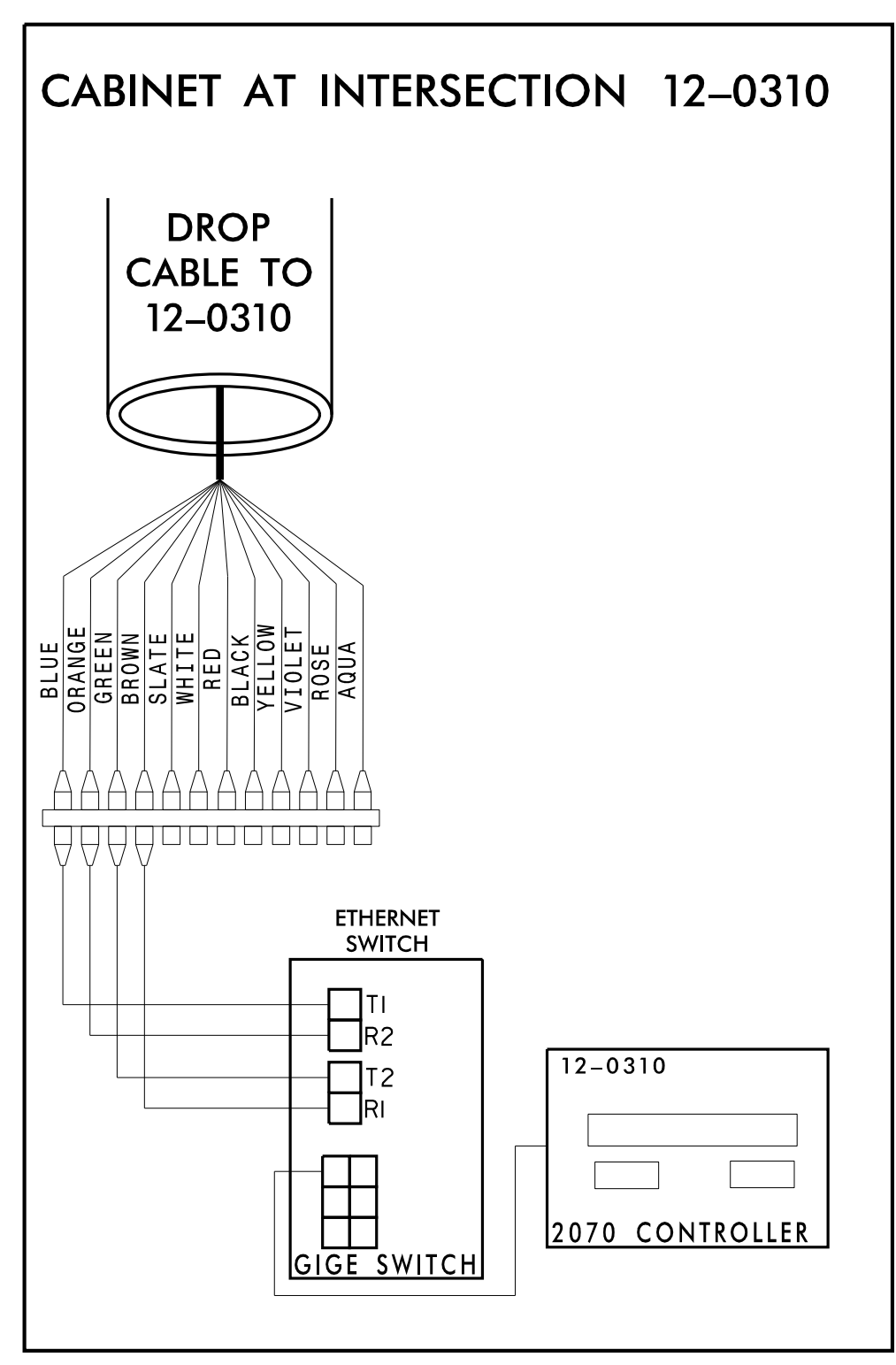
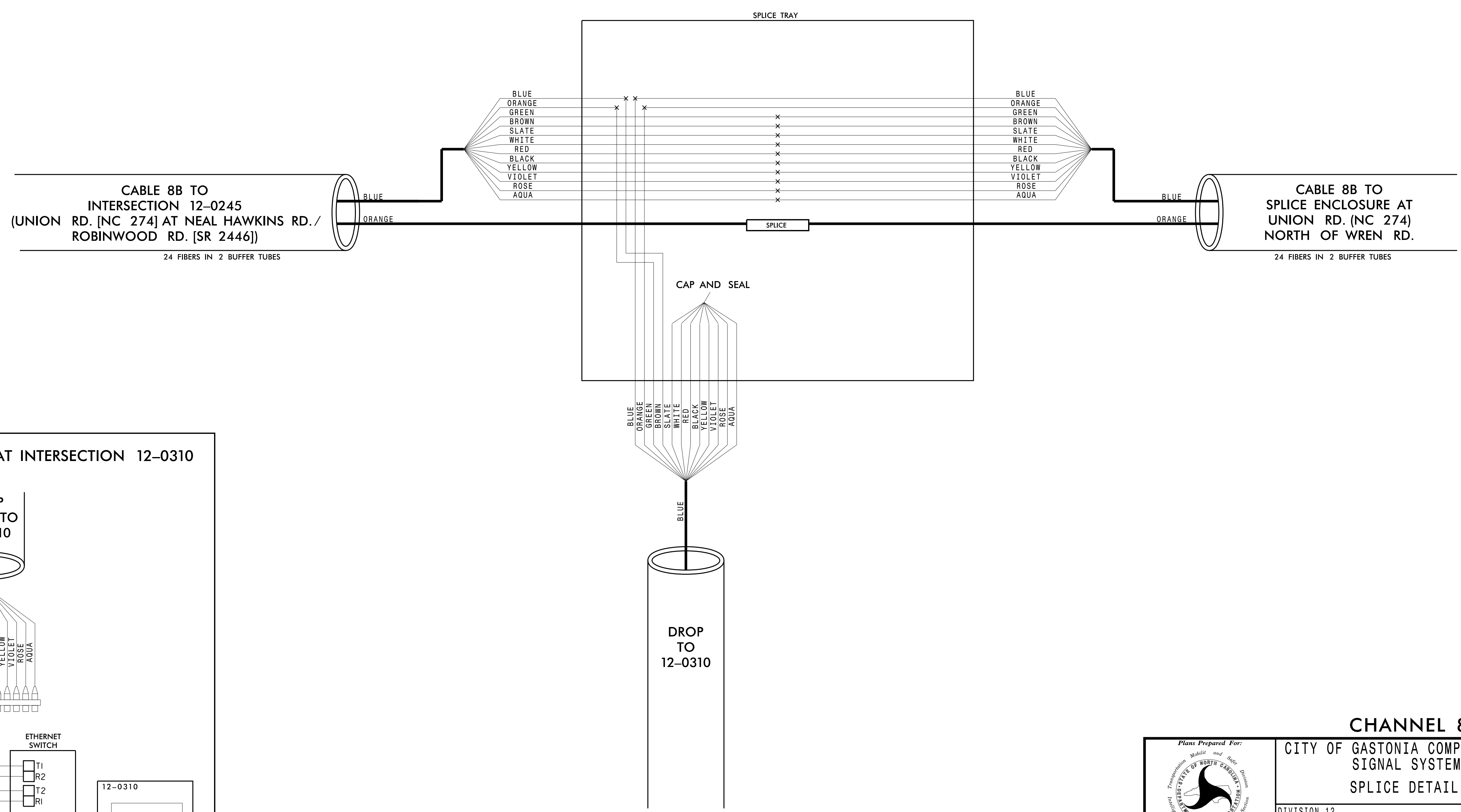
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

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**CHANNEL 8  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL**

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

DocuSigned by: Inger Van OsdeLL 3/16/2022  
 SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 INGER Z. VAN OSDELL  
 CADD File name: \_\_\_\_\_

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CHANNEL 8  
SPlice ENCLOSURE AT  
UNION RD. (NC 274)  
NORTH OF WREN RD.

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

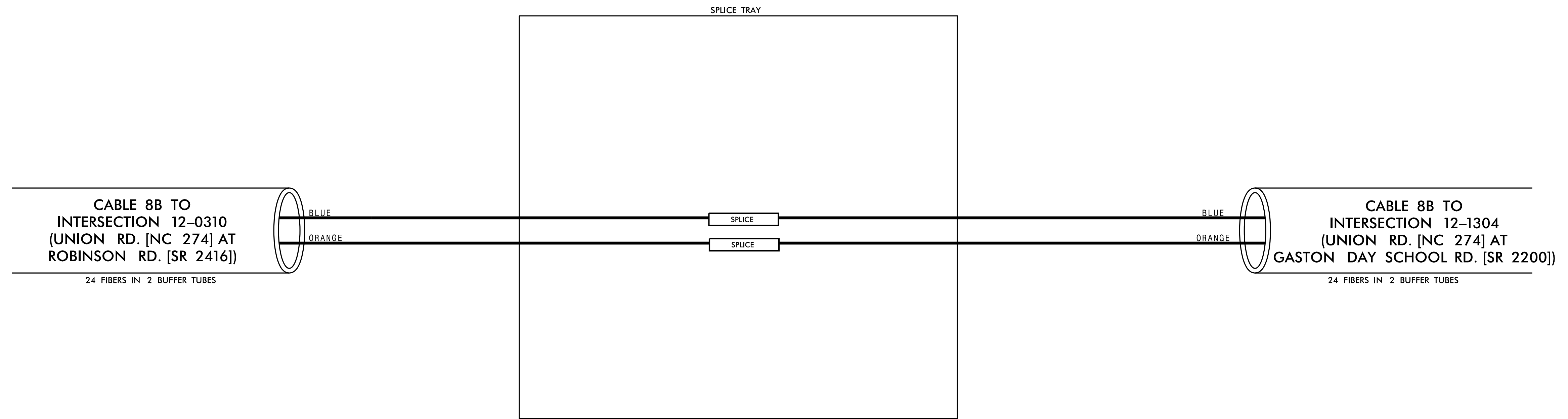
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

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 SPlice - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022  
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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE  
0

REVISIONS INIT. DATE

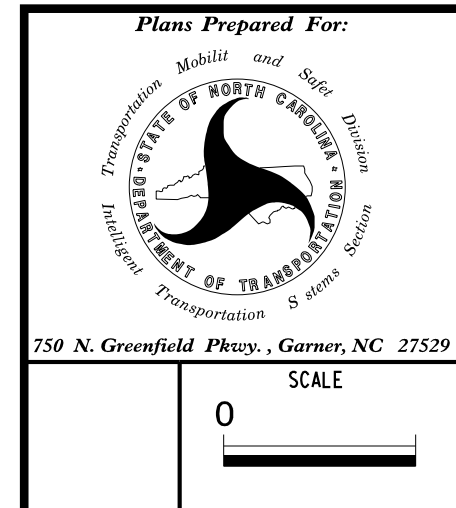
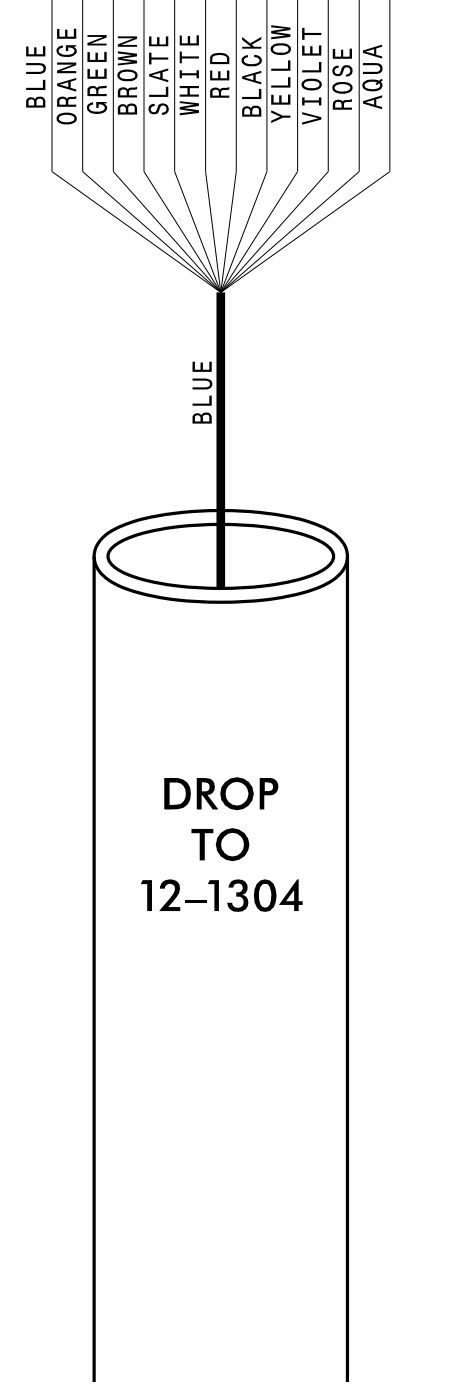
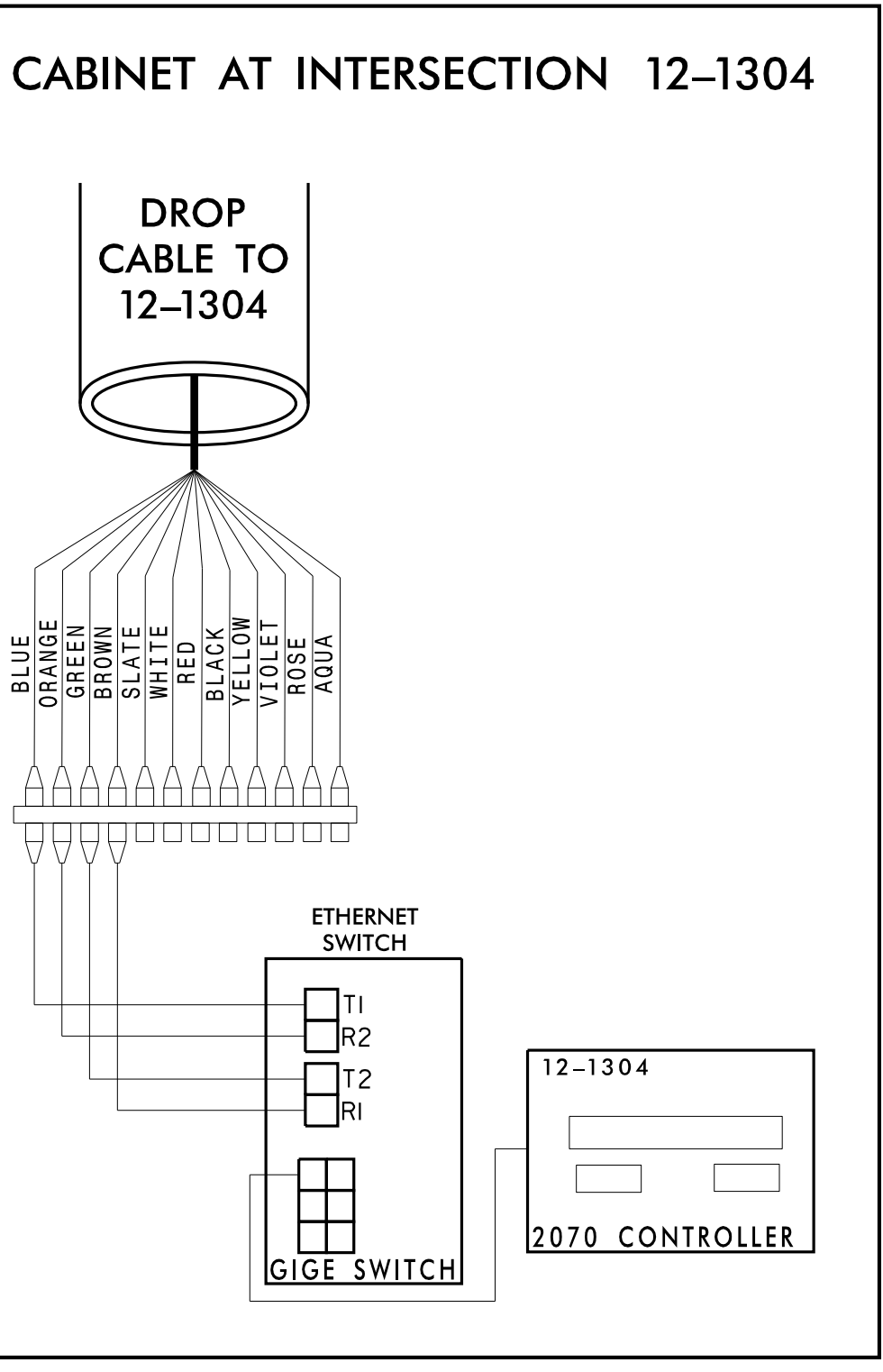
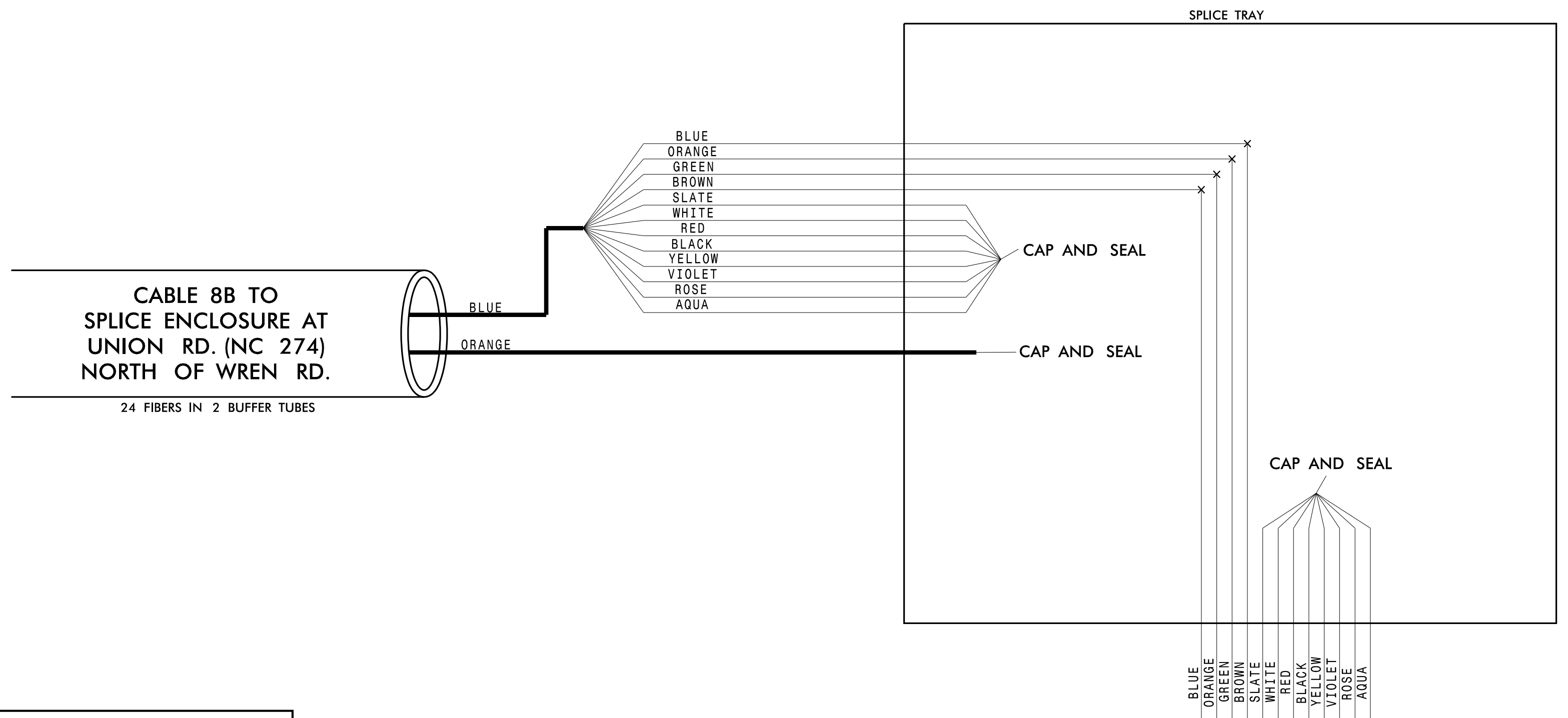
DocuSigned by:  
Inger Van OsdeLL 3/16/2022

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 028952  
INGEER, I. VAN OSDELL

CADD File name:

**CHANNEL 8  
 SPLICE ENCLOSURE AT  
 (UNION RD. [NC 274] AT  
 GASTON DAY SCHOOL RD. [SR 2200])  
 SIG ID 12-1304**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.			
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**CHANNEL 8  
 CITY OF GASTONIA COMPUTERIZED  
 SIGNAL SYSTEM  
 SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE	0	REVISIONS	INIT. DATE

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER Z. VAN OSDELL

DocuSigned by:  
 Inger Van Osdel 3/16/2022  
 DATE

CADD Filename:

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CHANNEL 8  
SPLICE ENCLOSURE AT  
(KENDRICK RD. [SR 2445] AT  
ROBINWOOD RD. [SR 2457])  
SIG ID 12-0990

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

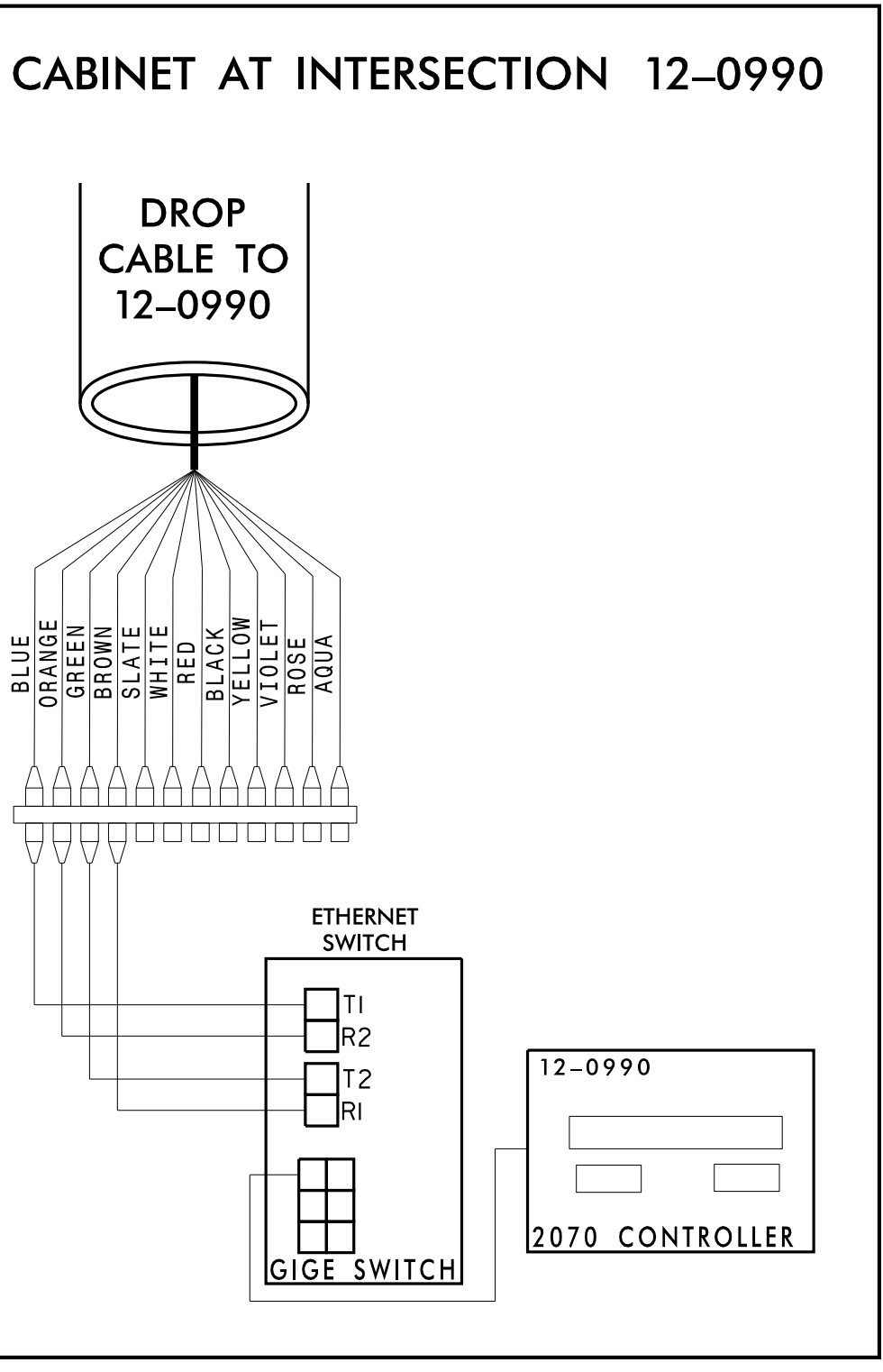
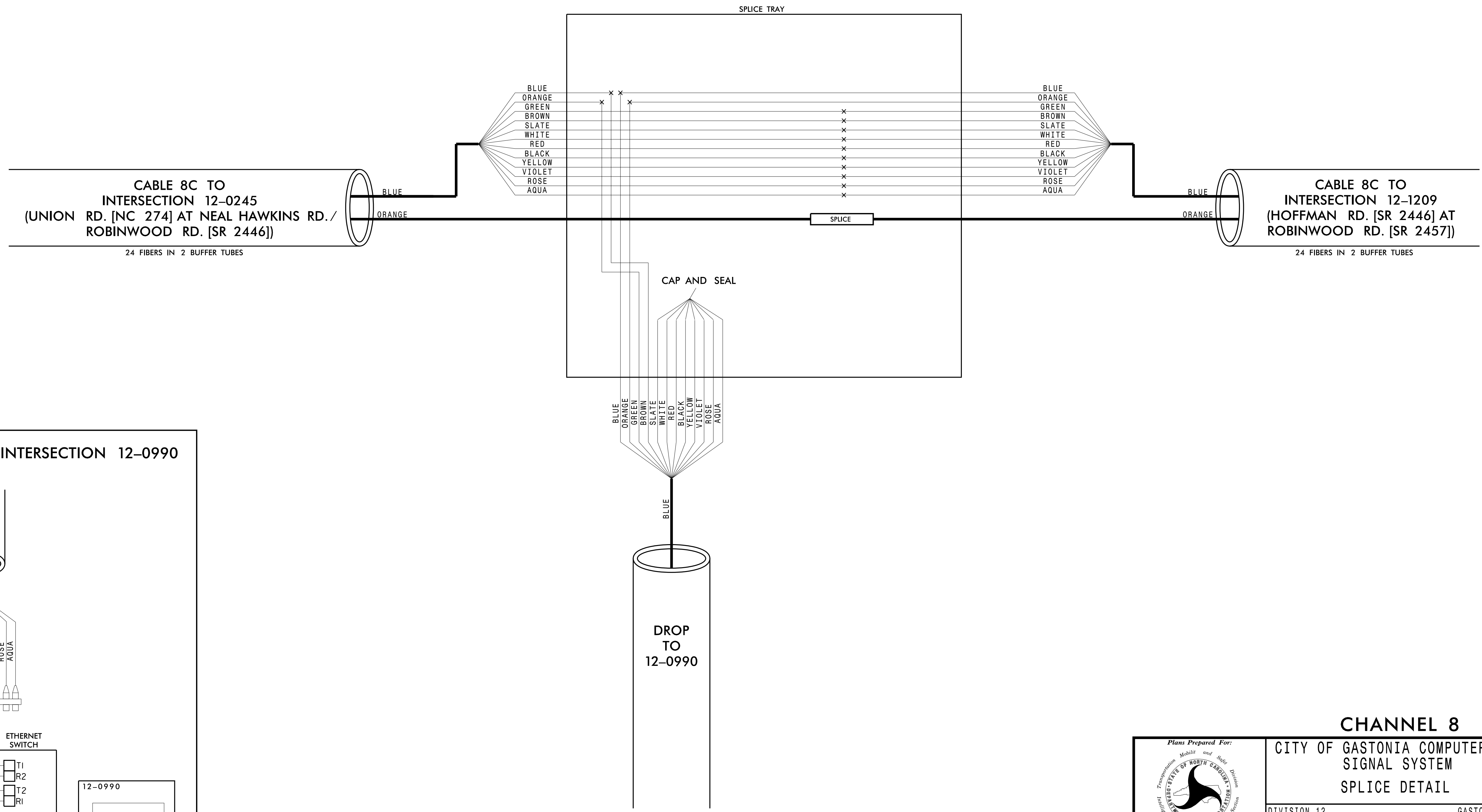
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

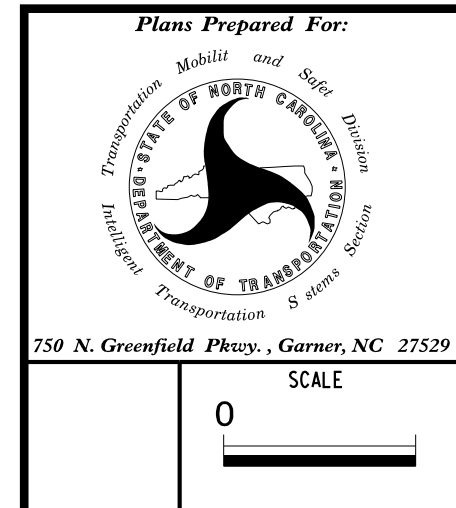
X - FUSION SPLICE INDIVIDUAL FIBER  
 O - EXISTING SPLICE  
 □ - EXPRESS INDIVIDUAL FIBER

EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE	0	REVISIONS	INIT. DATE

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 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 I. VAN OSDELL  
 3/16/2022  
 DATE

### CHANNEL 8 SPLICE ENCLOSURE AT (HOFFMAN RD. [SR 2446] AT ROBINWOOD RD. [SR 2457]) SIG ID 12-1209

**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

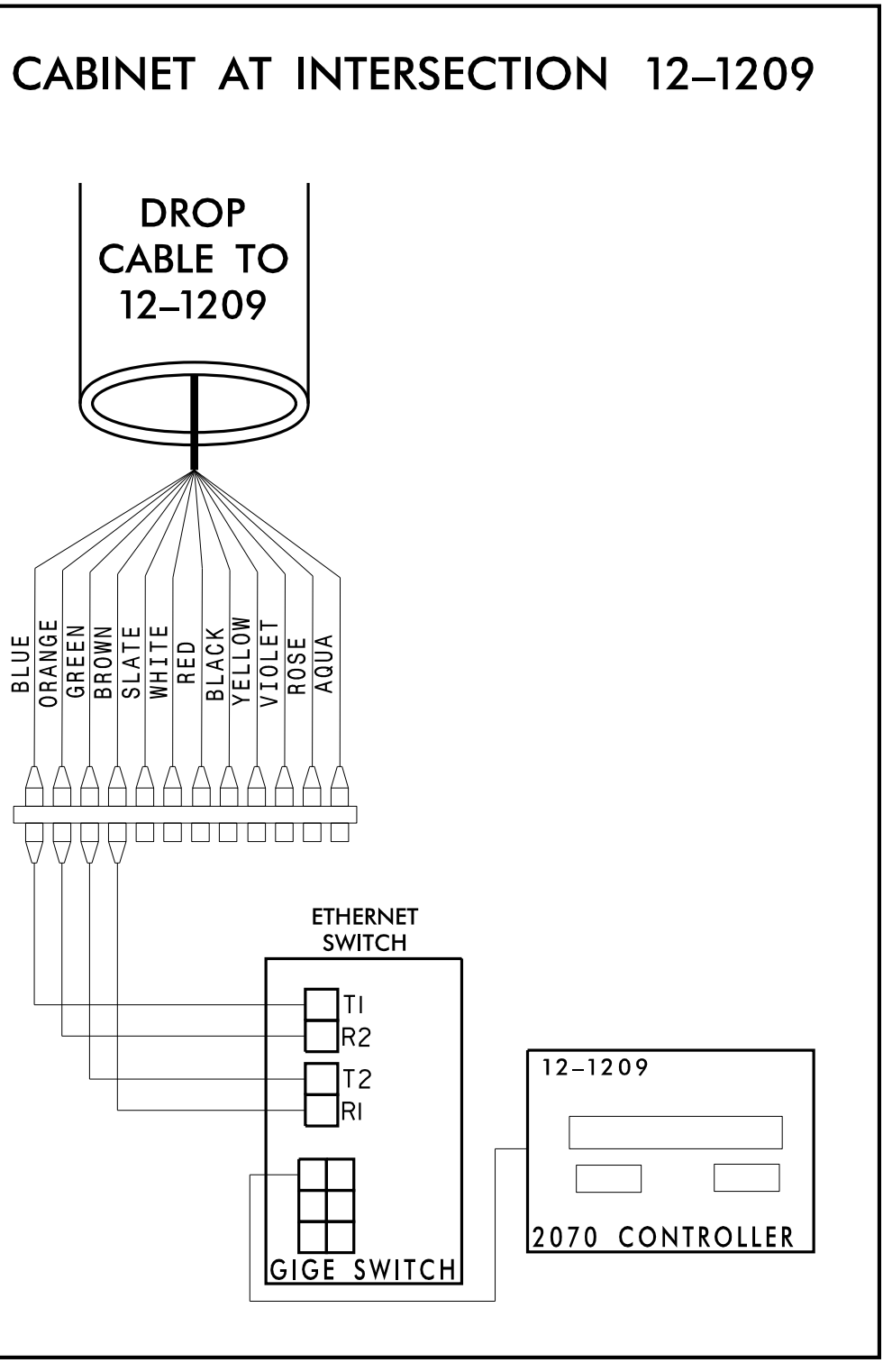
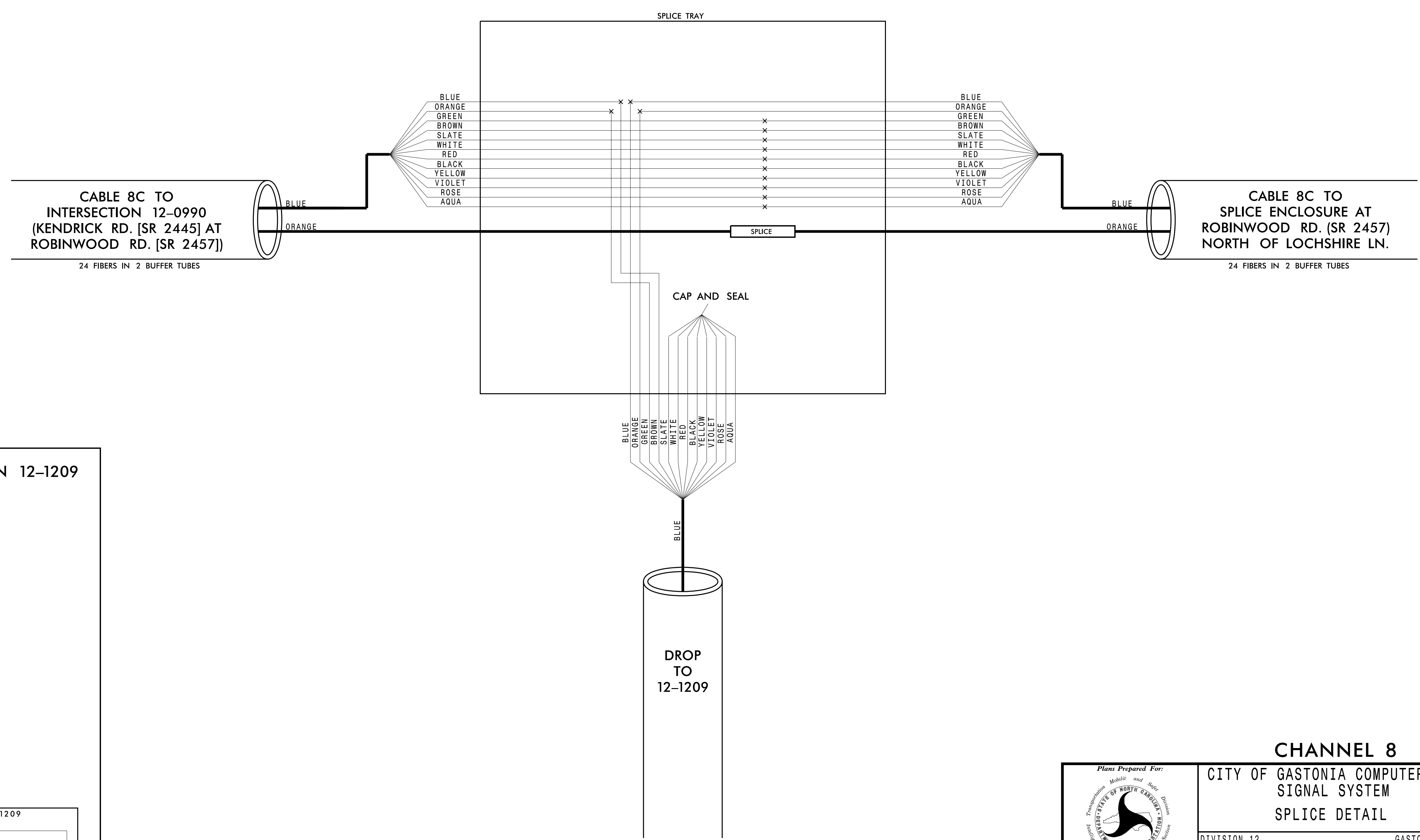
**LEGEND**

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

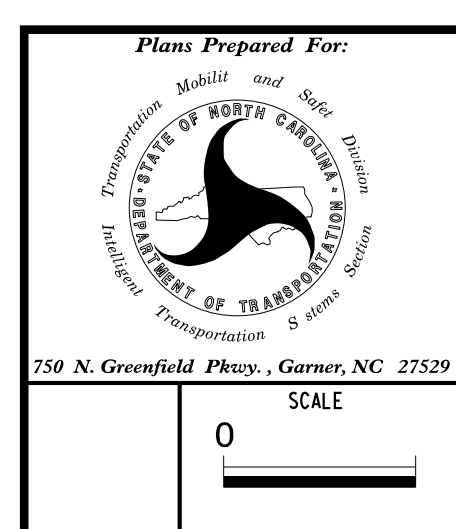
EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
 SPLICE - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE	0	REVISIONS	INIT. DATE

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SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 028952  
 I. VAN OSDELL  
 ENGINEER

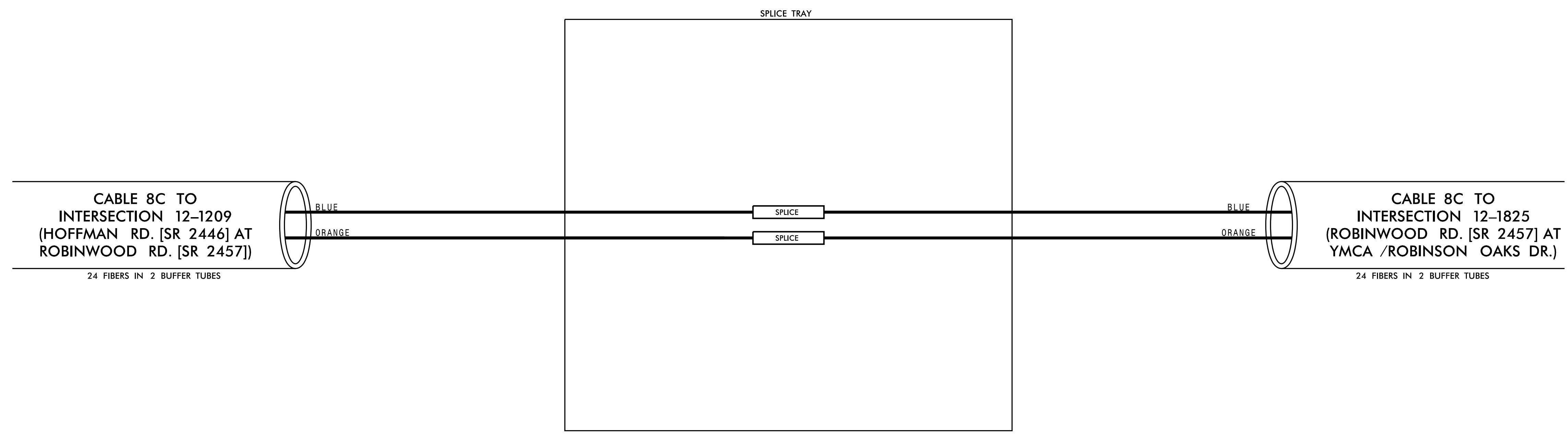
DocuSigned by:  
 Inger Van OsdeLL  
 3/16/2022

CADD File name:

**CHANNEL 8  
SPLICE ENCLOSURE AT  
(ROBINWOOD RD. [SR 2457]  
NORTH OF LOCHSHIRE LN.)**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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		

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3/15/2022 \\kimley-horn.com\SE\RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL079.dgn

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**CHANNEL 8**

**CITY OF GASTONIA COMPUTERIZED  
SIGNAL SYSTEM  
SPLICE DETAIL**



250 N. Greenfield Place, Garner, NC 27529

DIVISION 12	GASTON COUNTY
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SEAL  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
028952  
MICHAEL Z. VAN OSDEL  
ENGINEER

DocuSigned by:  
**Inger Van Osdel** 3/16/2022  
\_\_\_\_\_  
DATE



CADD Filename:



CHANNEL 8  
SPLICE ENCLOSURE AT  
(ROBINWOOD RD. [SR 2457] AT  
YMCA /ROBINSON OAKS DR.)  
SIG ID 12-1825

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

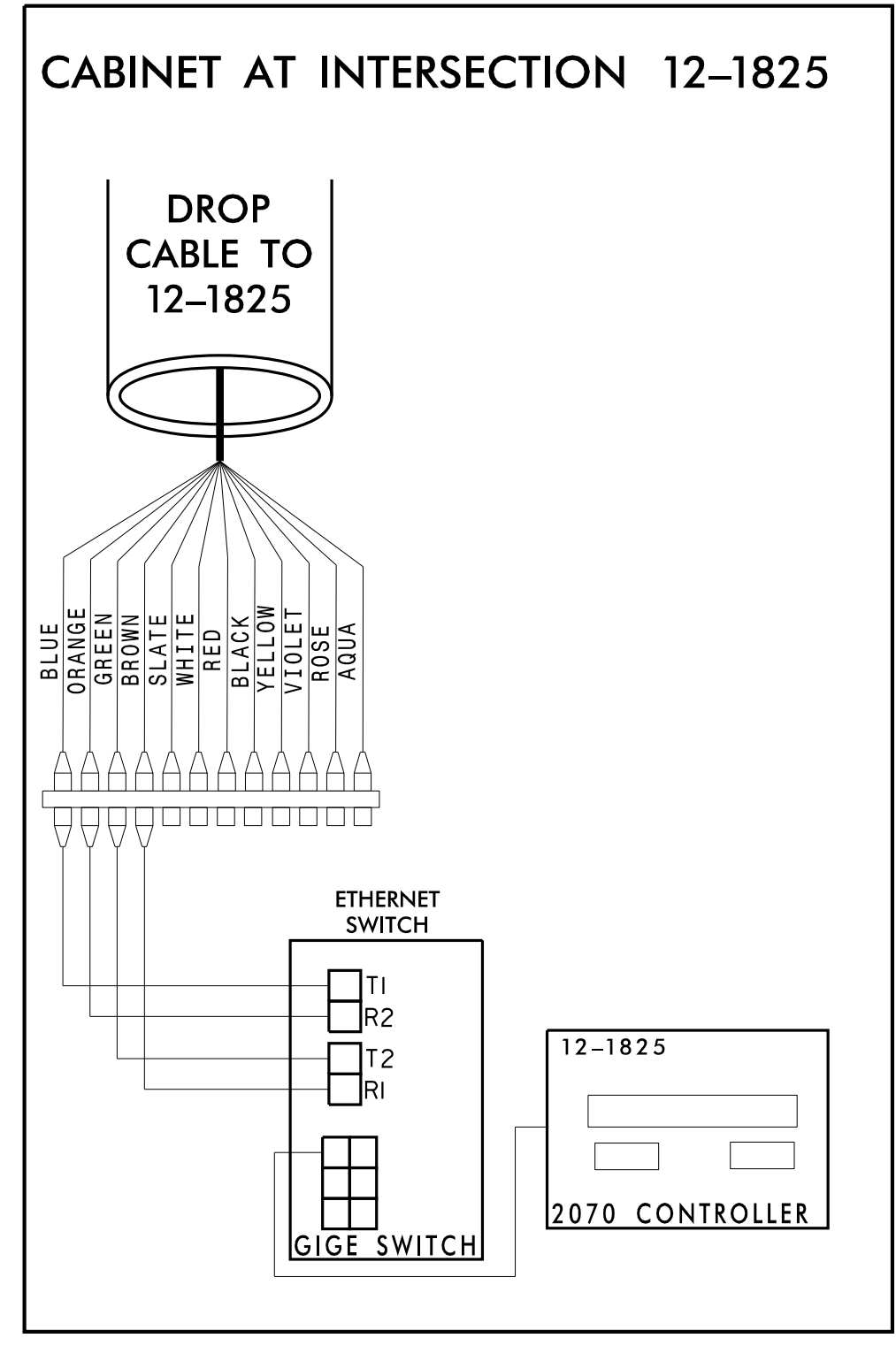
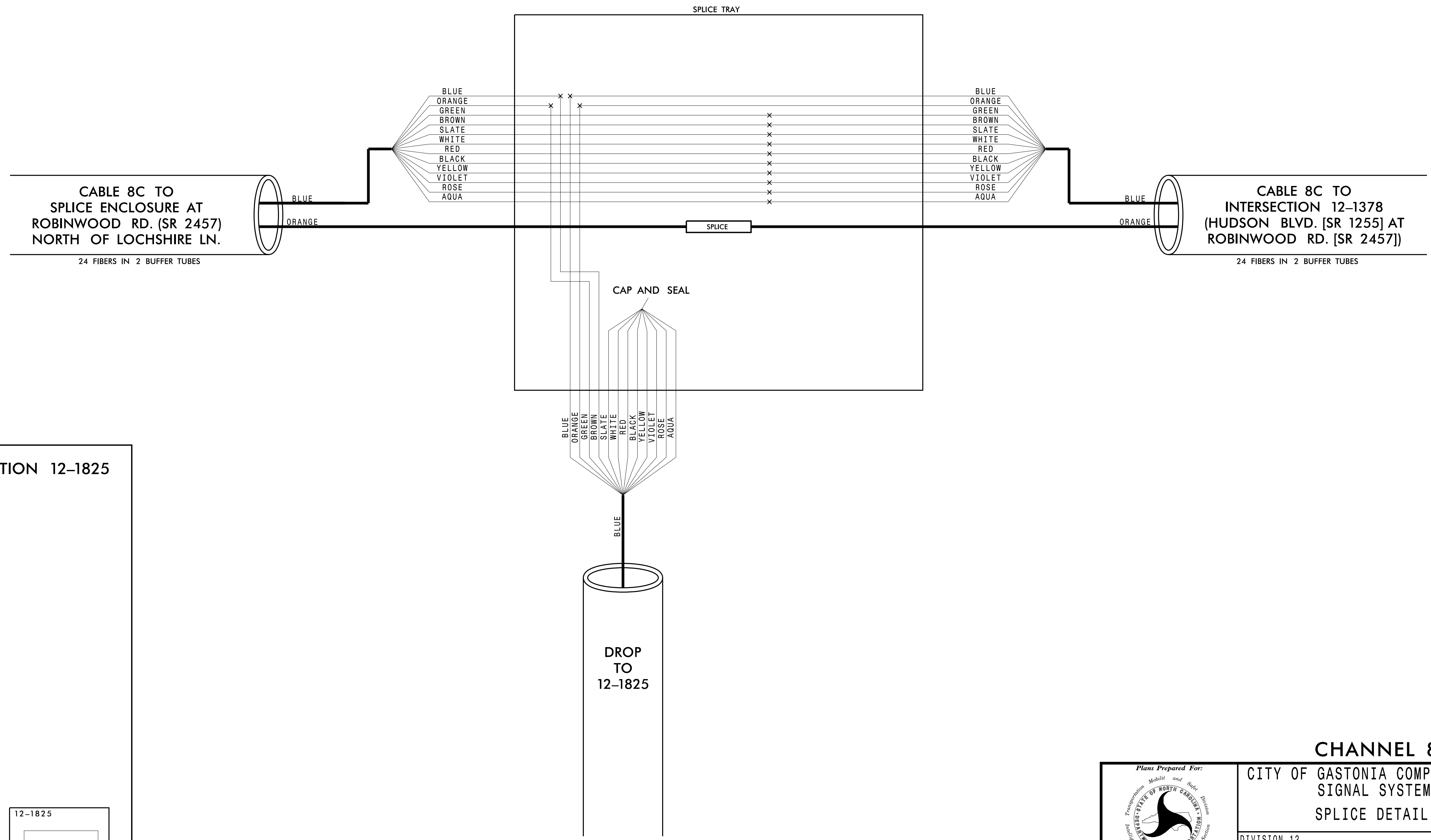
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

**NOTES:**  
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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

DocuSigned by: Inger Van OsdeLL 3/16/2022

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER Z. VAN OSDELL

3/15/2022  
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CHANNEL 8  
SPLICE ENCLOSURE AT  
(HUDSON BLVD. [SR 1255] AT  
ROBINWOOD RD. [SR 2457])  
SIG ID 12-1378

**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

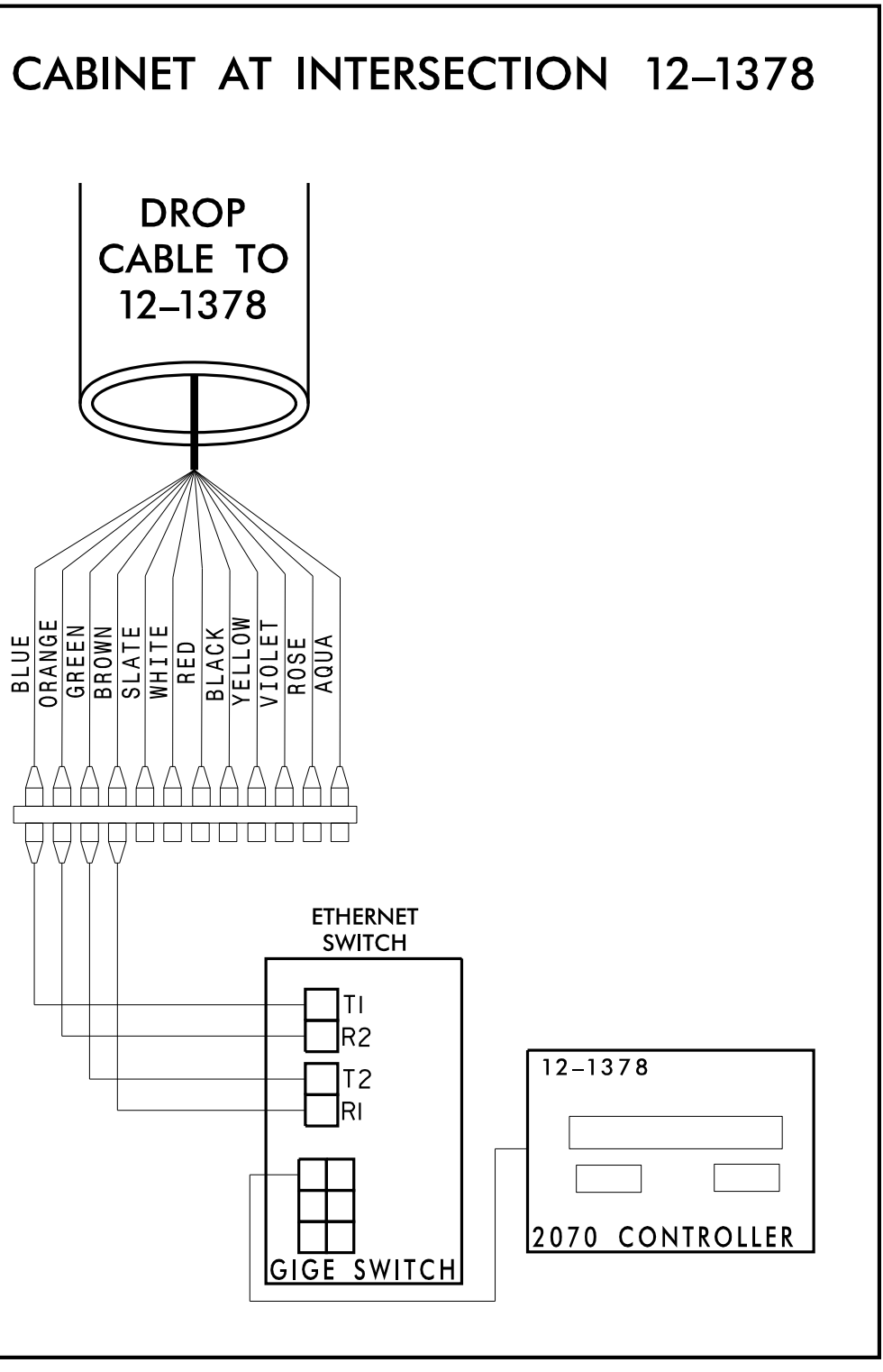
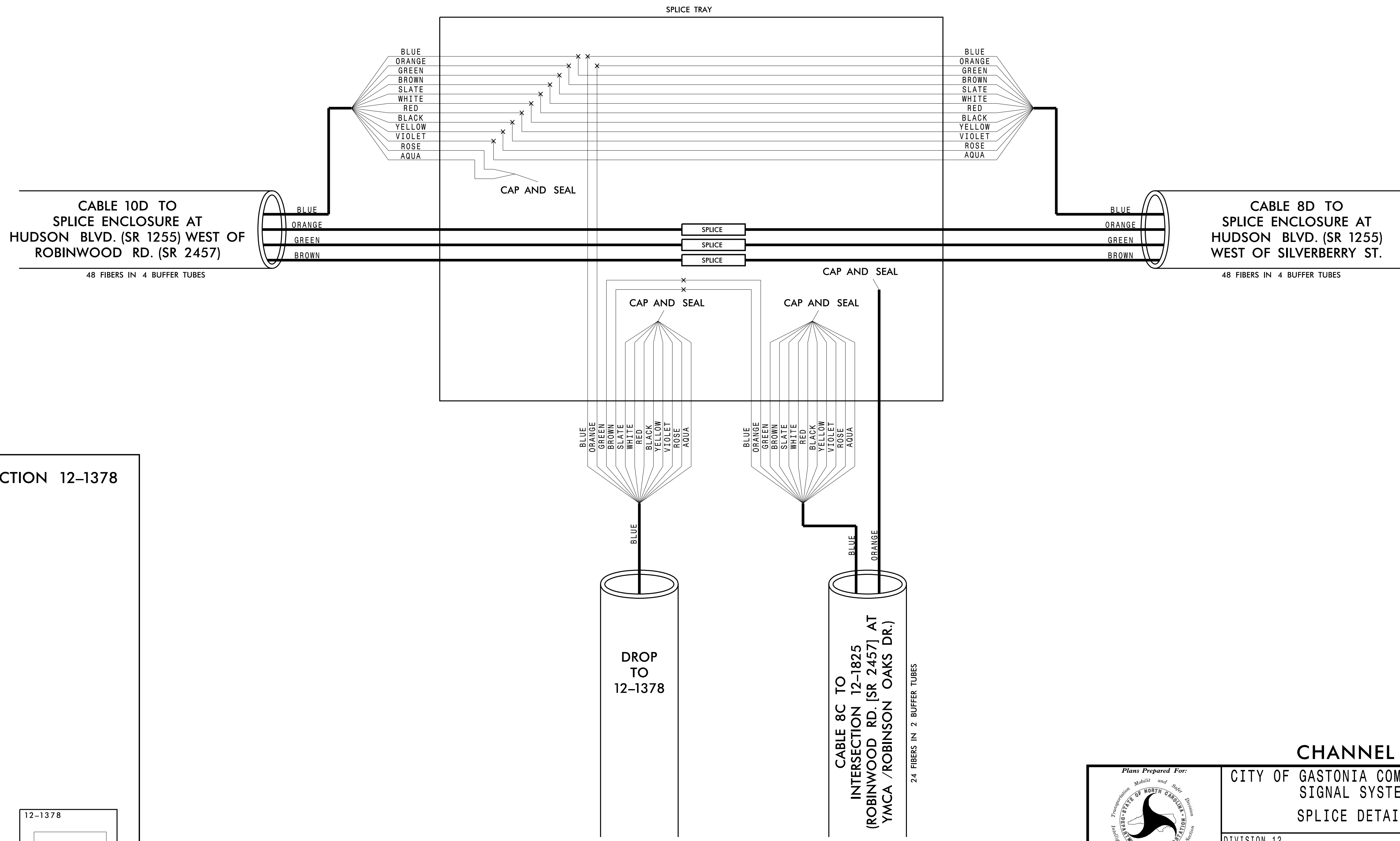
**LEGEND**

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

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

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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

Division 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

Scale: 0

Revisions table with columns: REVISIONS, INIT., DATE

DocuSigned by: Inger Van Osdel 3/16/2022

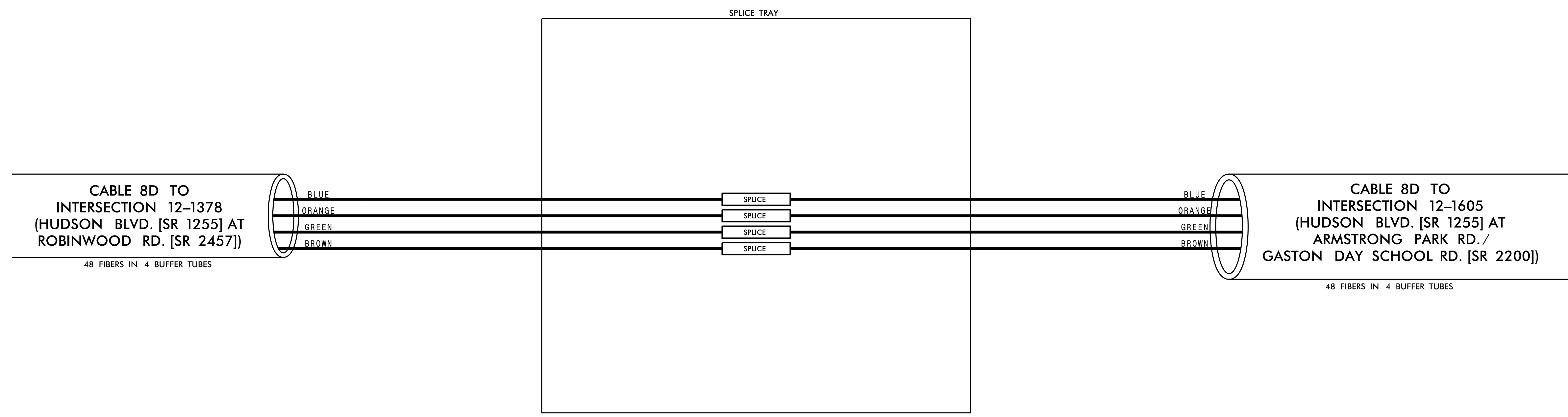
Professional Engineer Seal: NORTH CAROLINA PROFESSIONAL SEAL 028952, INGER Z. VAN OSDELL

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 Fax: (919) 677-2050

3/15/2022 \\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL081.dgn

**CHANNEL 8  
SPlice ENCLOSURE AT  
HUDSON BLVD. (SR 1255)  
WEST OF SILVERBERRY ST.**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
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	<b>CHANNEL 8</b>		
	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SPlice DETAIL		
DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
SCALE	REVISIONS	INIT.	DATE
0			
		DocuSigned by: <i>Roger Van Osdel</i> 3/16/2022	
		CADD Filename:	



CHANNEL 8  
SPLICE ENCLOSURE AT  
HUDSON BLVD. (SR 1255) AT ARMSTRONG PARK RD. (SR 2200)  
SIG ID 12-1605 (HUDSON BLVD. [SR 1255]) AT  
(ARMSTRONG PARK RD./GASTON DAY SCHOOL RD. [SR 2200])  
SIG ID 12-1459 (HUDSON BLVD. [SR 1255]) AT  
BRADFORD HEIGHTS RD.)  
CCTV CAMERA-29

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

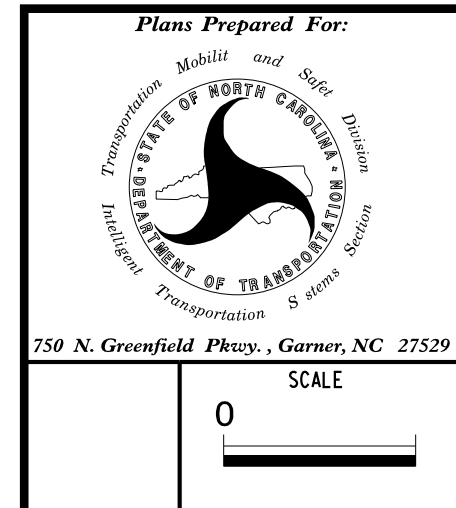
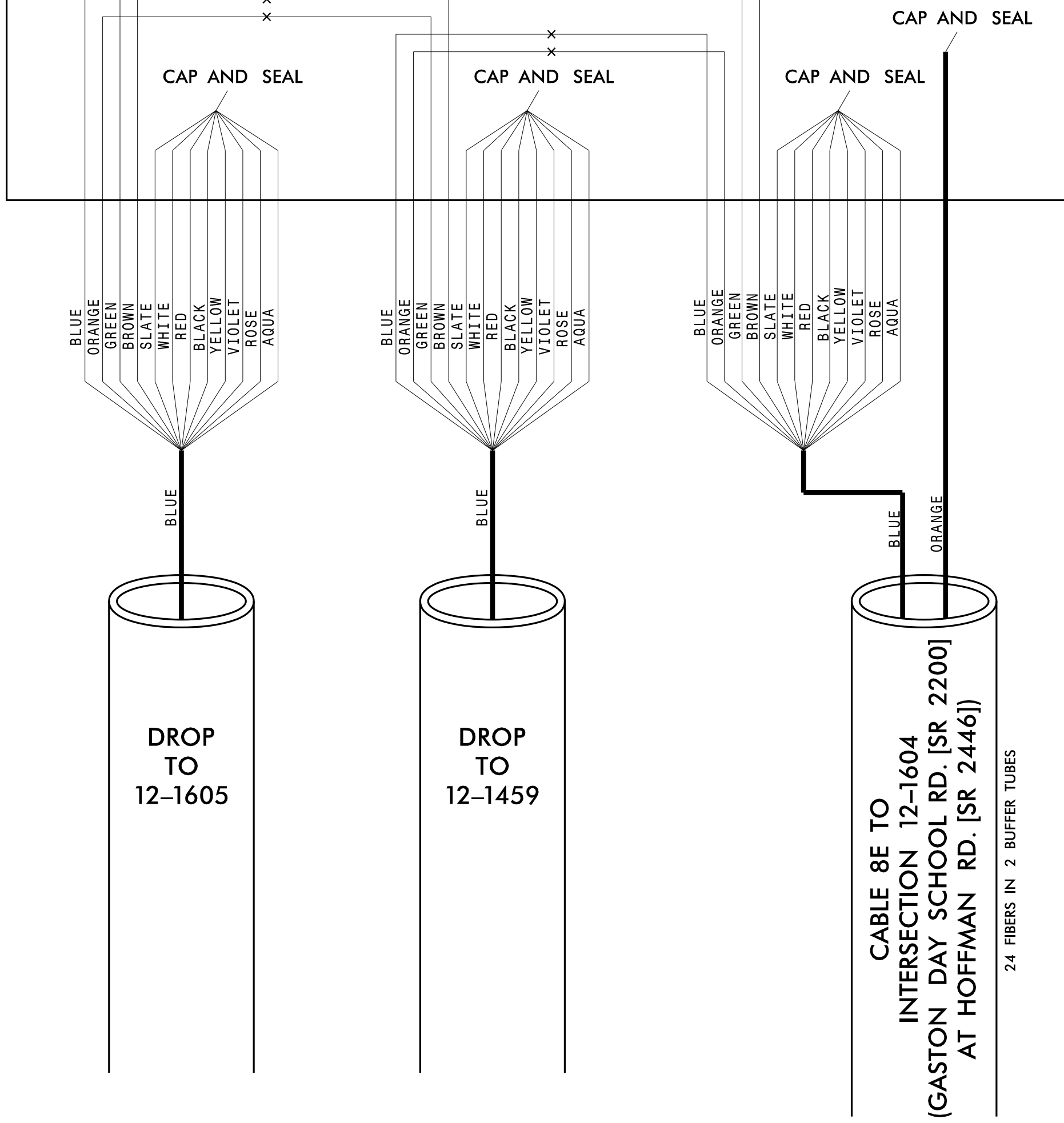
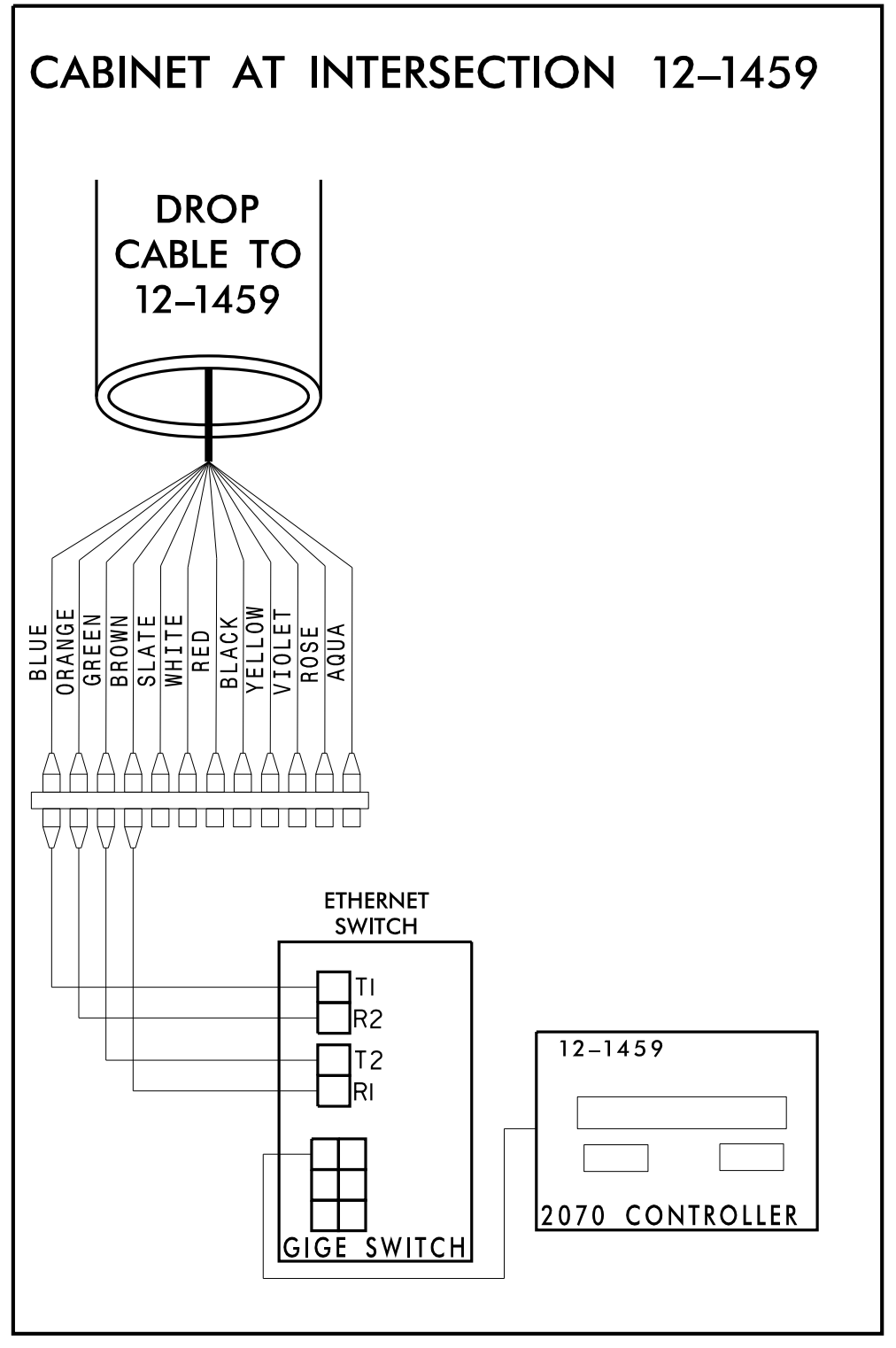
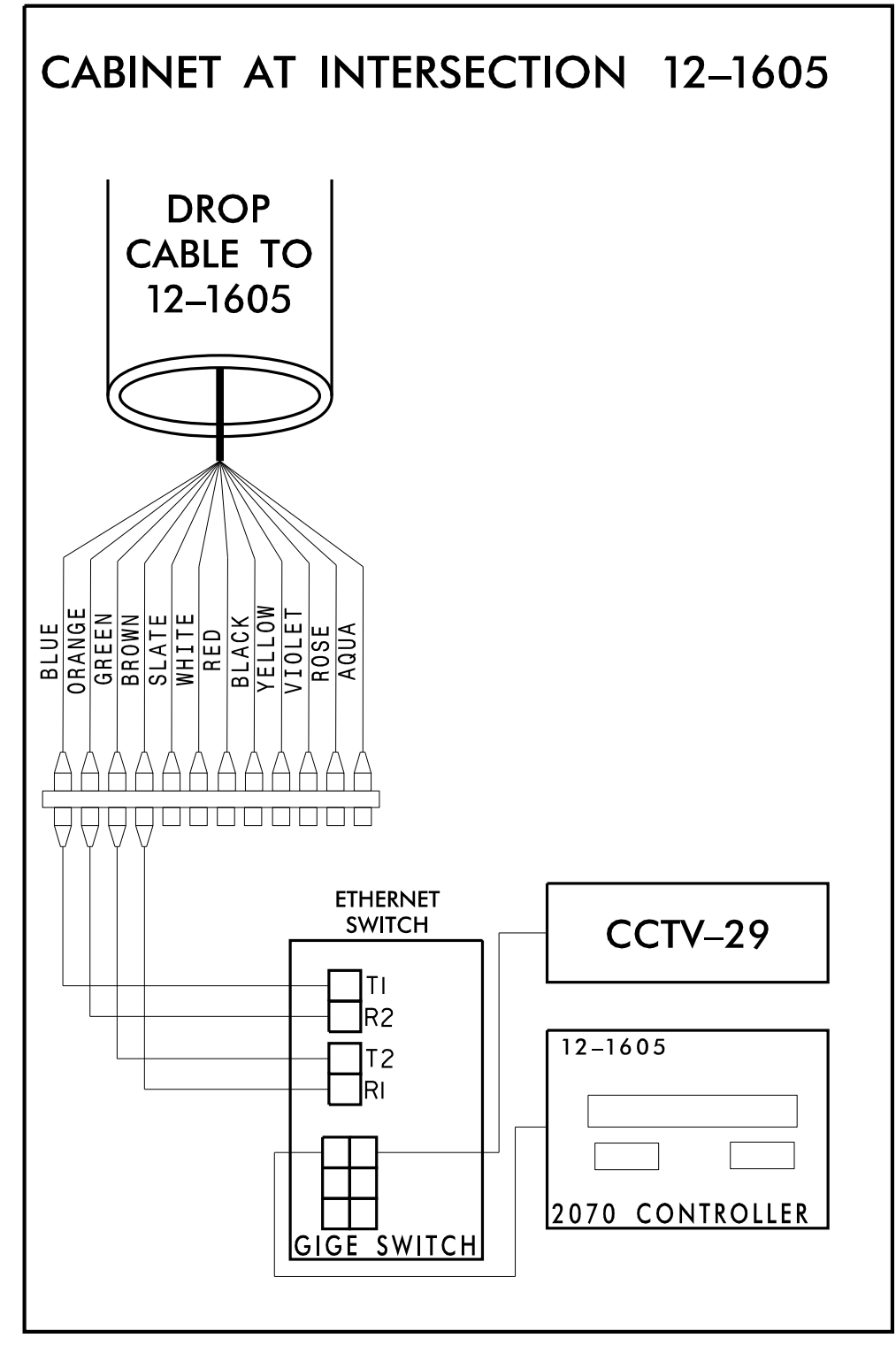
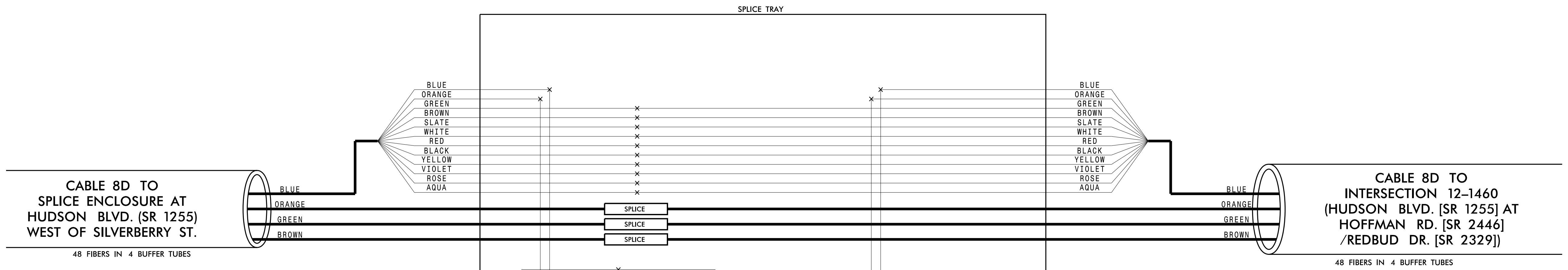
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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**CHANNEL 8**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS		INIT.	DATE

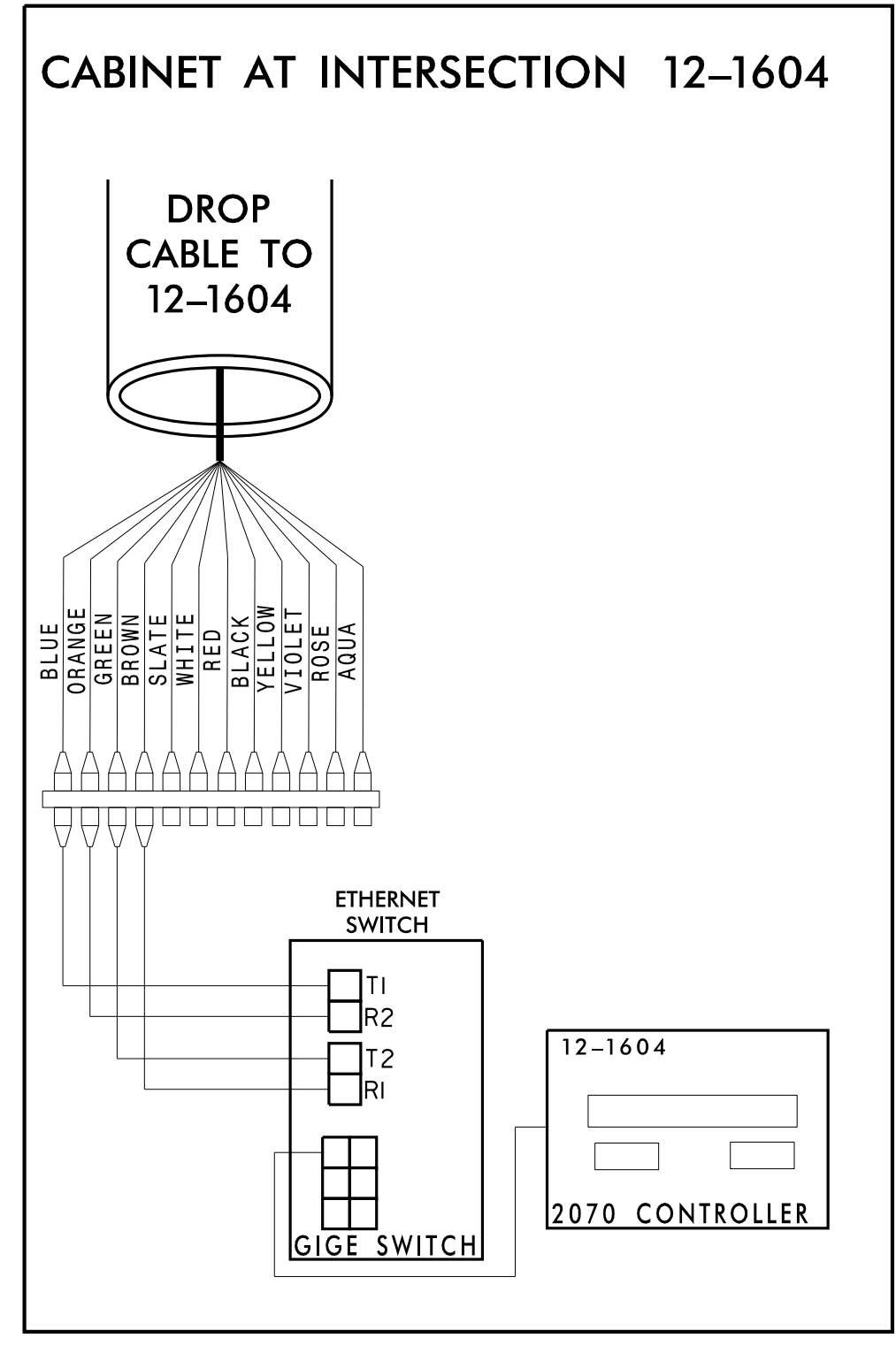
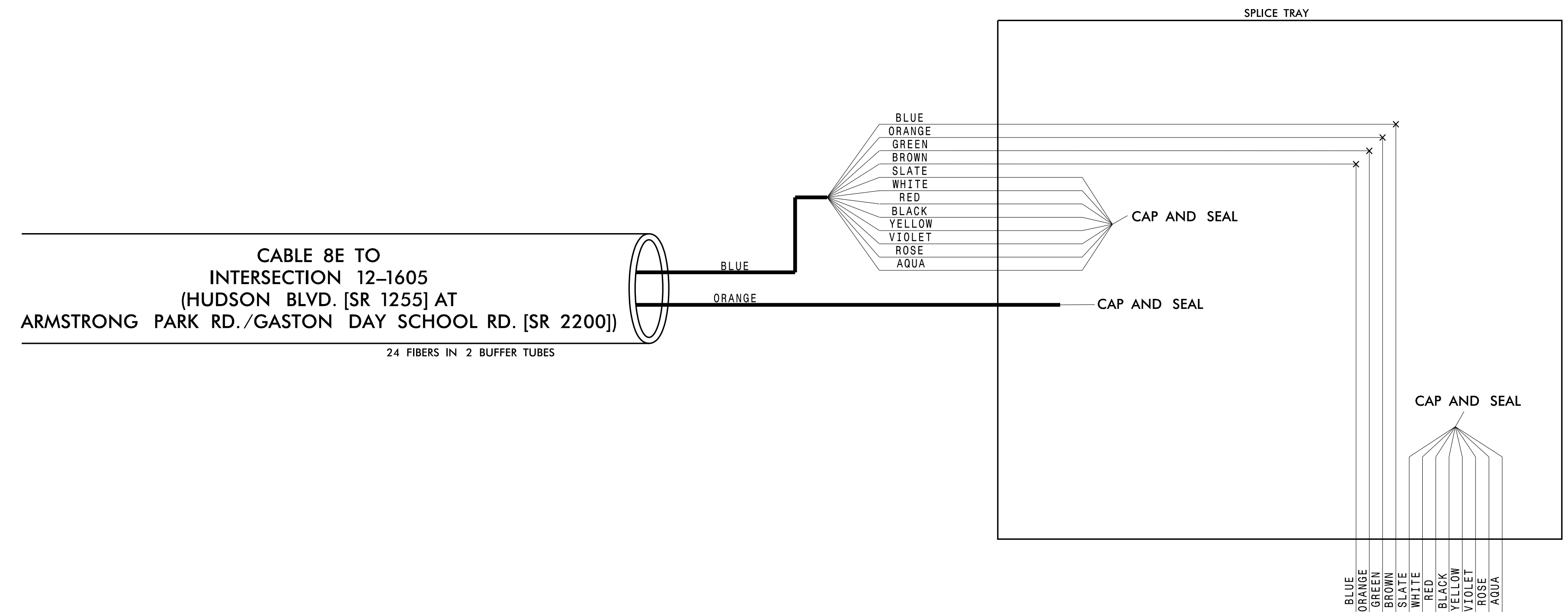
**Kimley»Horn**  
NC License #F-0102  
421 Fayetteville St., Suite 600  
Raleigh, NC 27601  
Tel: (919) 677-2000  
Fax: (919) 677-2050

DocuSigned by:  
*Inger Van OsdeLL*  
3/16/2022

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**CHANNEL 8  
SPLICE ENCLOSURE AT  
(GASTON DAY SCH RD. [SR 2200] AT  
HOFFMAN RD. [SR 2446])  
SIG ID 12-1604**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
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	<b>CHANNEL 8</b>	
	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SPLICE DETAIL	
DIVISION 12 PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER	GASTON COUNTY REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL	SCALE 0
REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	DocuSigned by: Roger Van Osdel 3/16/2022 DATE

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL084.dgn

CHANNEL 8  
SPLICE ENCLOSURE AT  
(HUDSON BLVD. [SR 1255] AT  
HOFFMAN RD. [SR 2446]/REDBUD DR. [SR 2329])  
SIG ID 12-1460

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

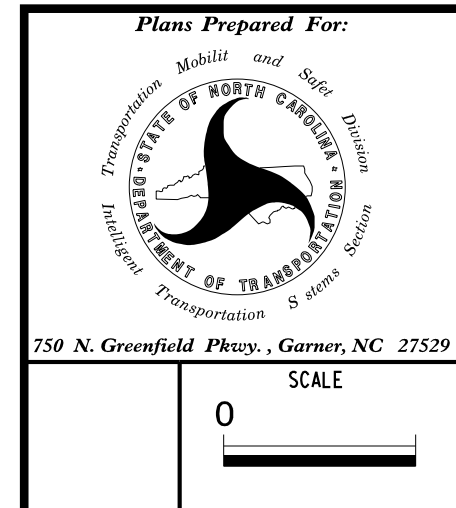
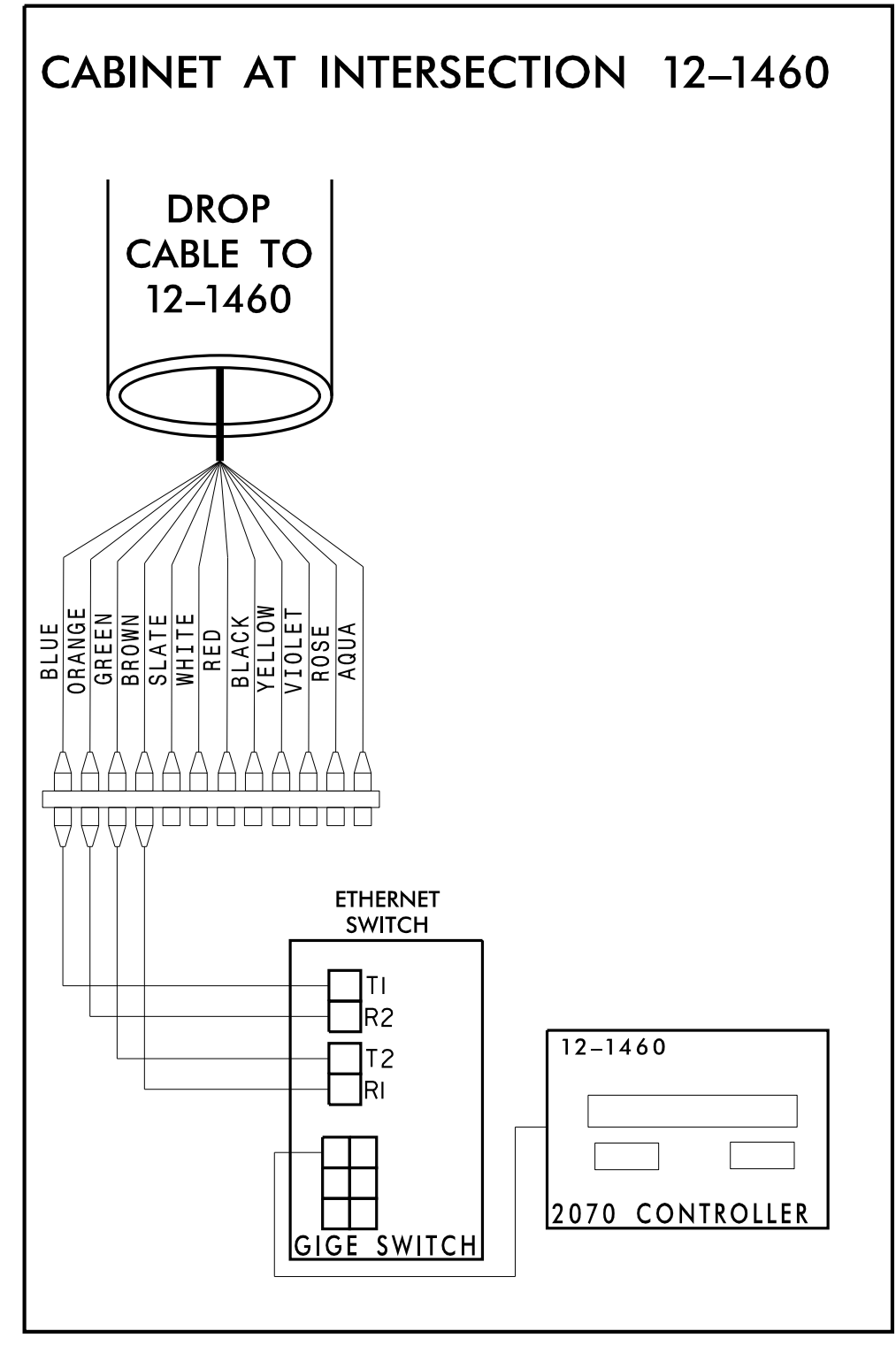
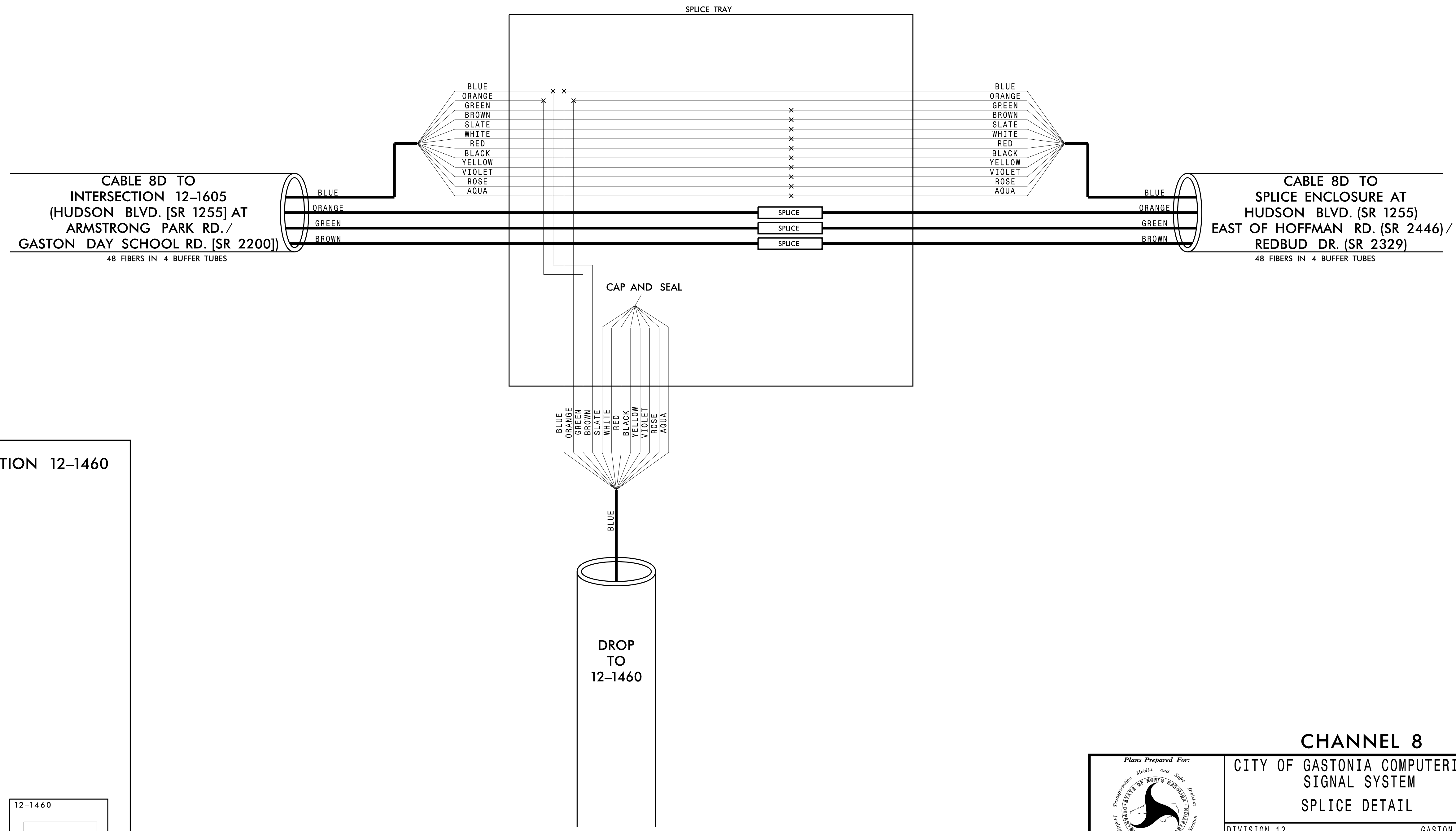
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(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

X - FUSION SPLICE INDIVIDUAL FIBER  
O - EXISTING SPLICE  
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EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
SPLICE - SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 8**  
**CITY OF GASTONIA COMPUTORIZED SIGNAL SYSTEM**  
**SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

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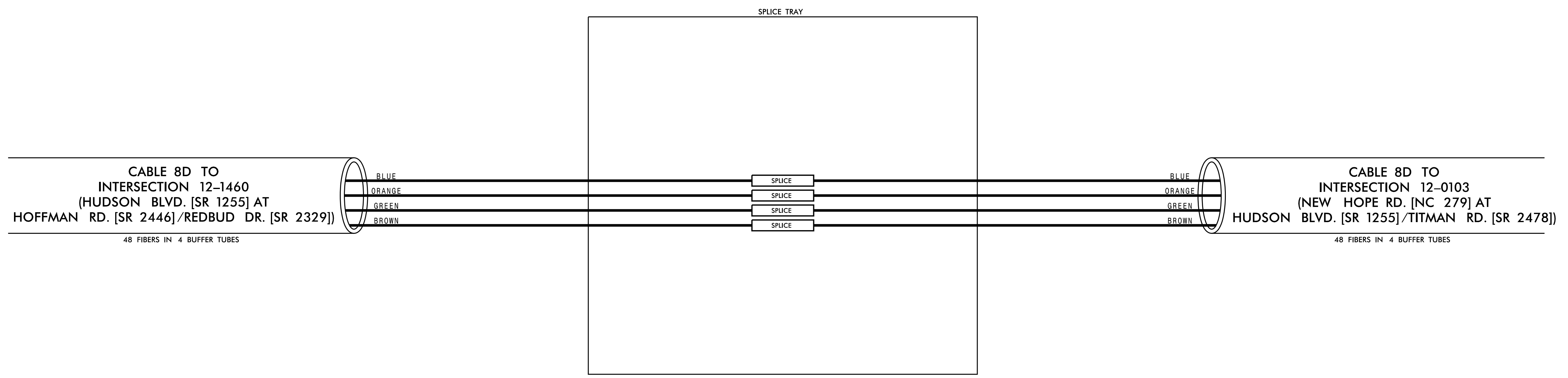
SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 028952  
I. VAN OSDELL  
3/16/2022

3/15/2022  
\\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL085.dgn

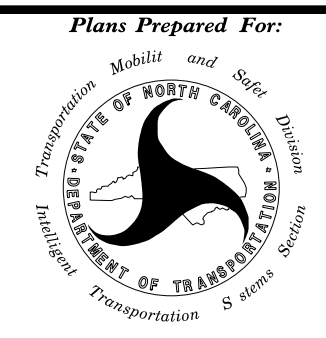





**CHANNEL 8  
 SPLICE ENCLOSURE AT  
 HUDSON BLVD. (SR 1255)  
 EAST OF HOFFMAN RD. (SR 2446) /  
 REDBUD DR. (SR 2329)**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
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3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL086.dgn

 Plans Prepared For: Transportation, Mobility and Safe Districts DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Garner, NC 27529	<b>CHANNEL 8</b>		 NC License #F-0102 421 Fayetteville St., Suite 600 Raleigh, NC 27601 Tel: (919) 677-2000 Fax: (919) 677-2050														
	<b>CITY OF GASTONIA COMPUTERIZED          SIGNAL SYSTEM          SPLICE DETAIL</b>																
DIVISION 12 PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER	GASTON COUNTY REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL		SEAL  Iger Van OsdeLL 3/16/2022														
SCALE 	REVISIONS <table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>											INIT. DATE <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>					
CADD Filename:			DATE														

CHANNEL 9  
SPLICE ENCLOSURE AT  
(GARRISON BLVD. [SR 2466] AT  
MARIETTA ST.)  
SIG ID 12-0633

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

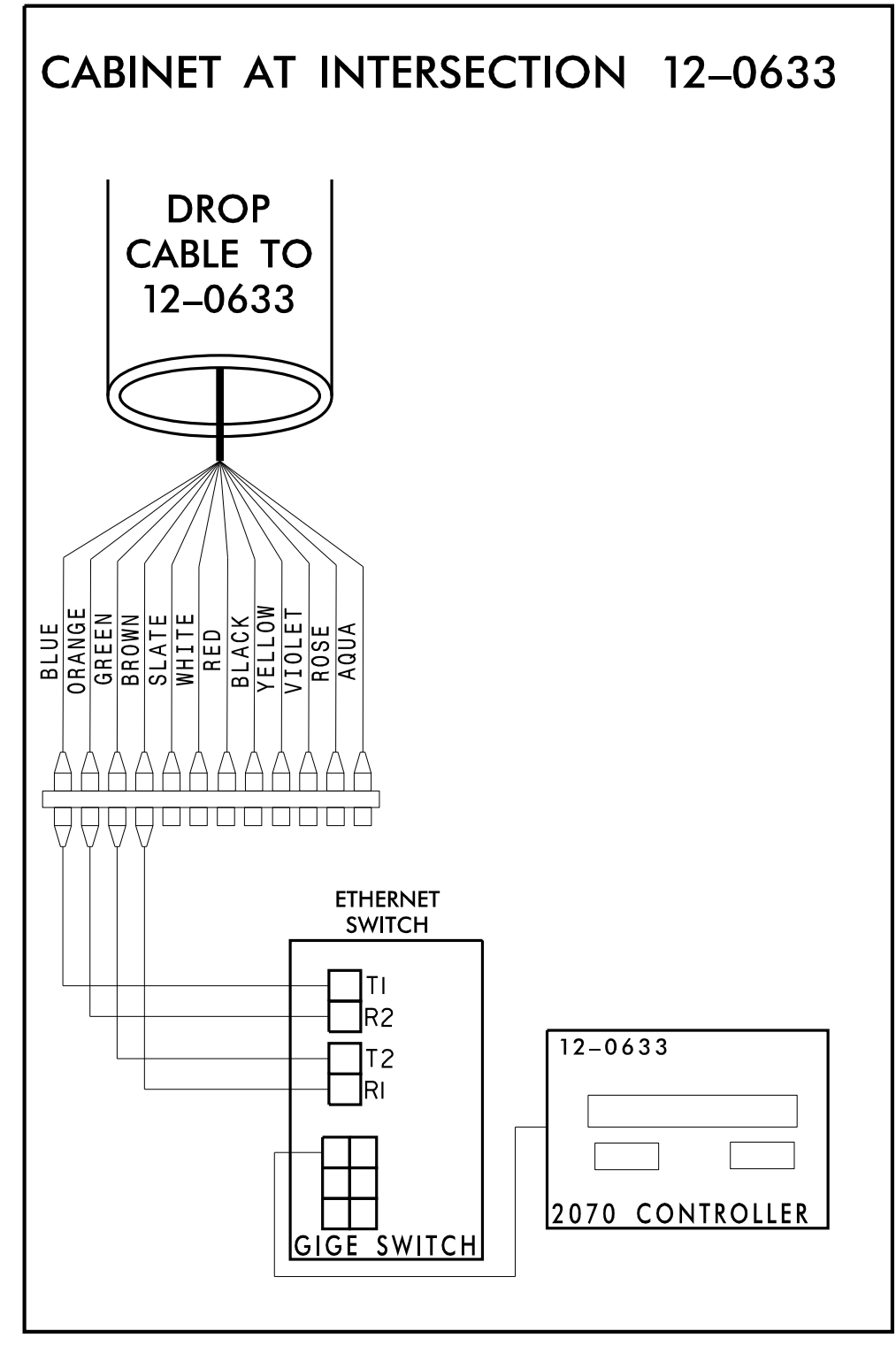
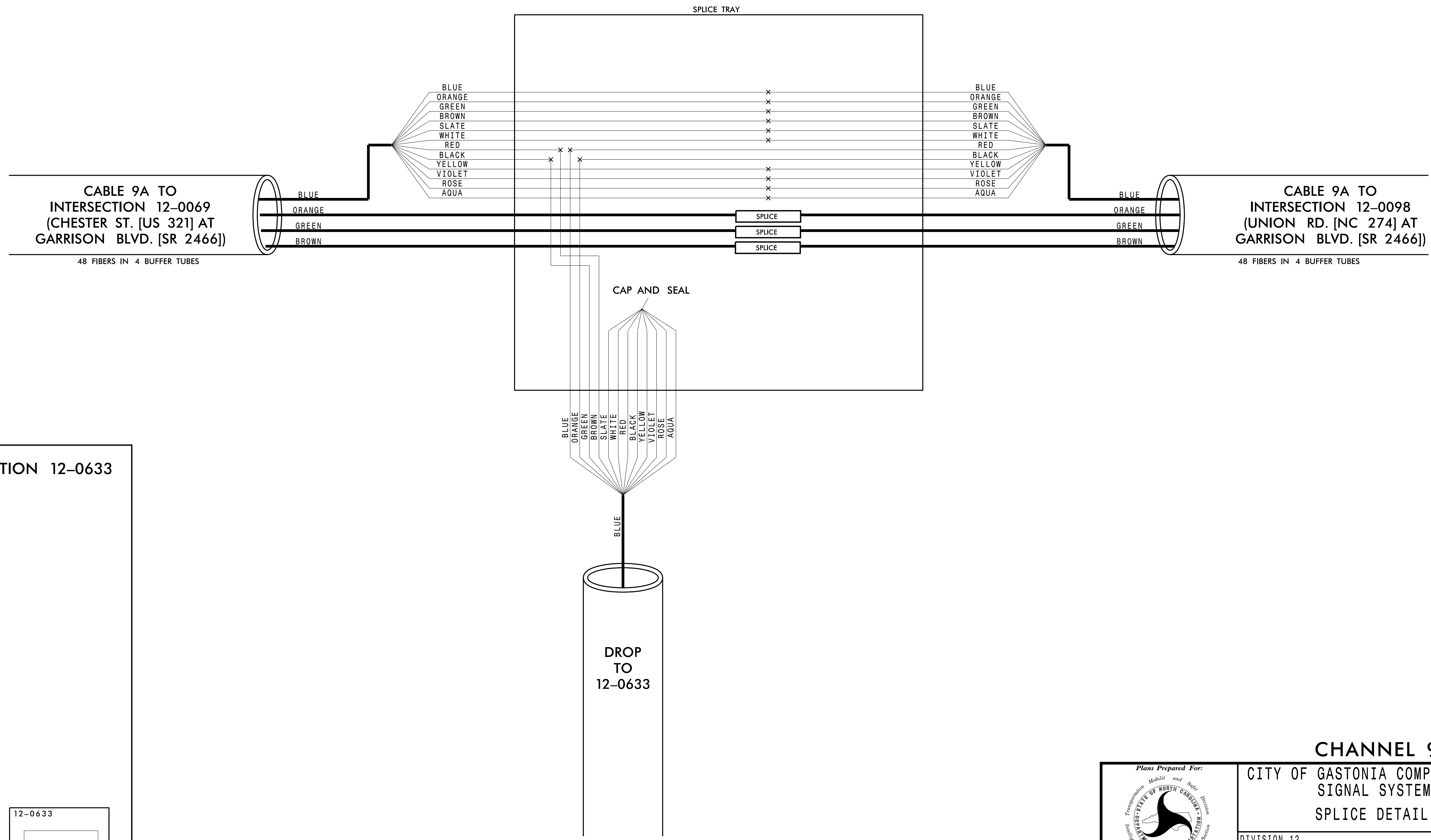
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

X - FUSION SPLICE INDIVIDUAL FIBER  
 O - EXISTING SPLICE  
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EXPRESS - EXPRESS ENTIRE BUFFER TUBE  
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**CHANNEL 9**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

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 Fax: (919) 677-2050

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 INGER Z. VAN OSDEL  
 DocuSigned by: Inger Van Osdel 3/16/2022  
 CADD File name:

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\1PTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL087.dgn

CHANNEL 9  
SPLICE ENCLOSURE AT  
UNION RD. (NC 274) AT GARRISON BLVD. (SR 2466)  
SIG ID 12-0098 (UNION RD. [NC 274] AT GARRISON BLVD. [SR 2466])  
SIG ID 12-1358 (UNION RD. [NC 274] AT OSCEOLA ST.)  
CCTV CAMERA-20

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

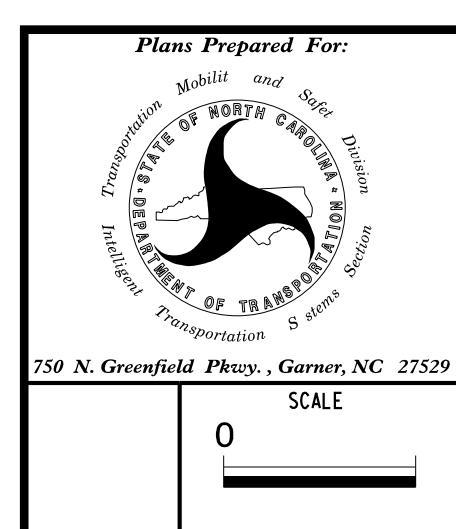
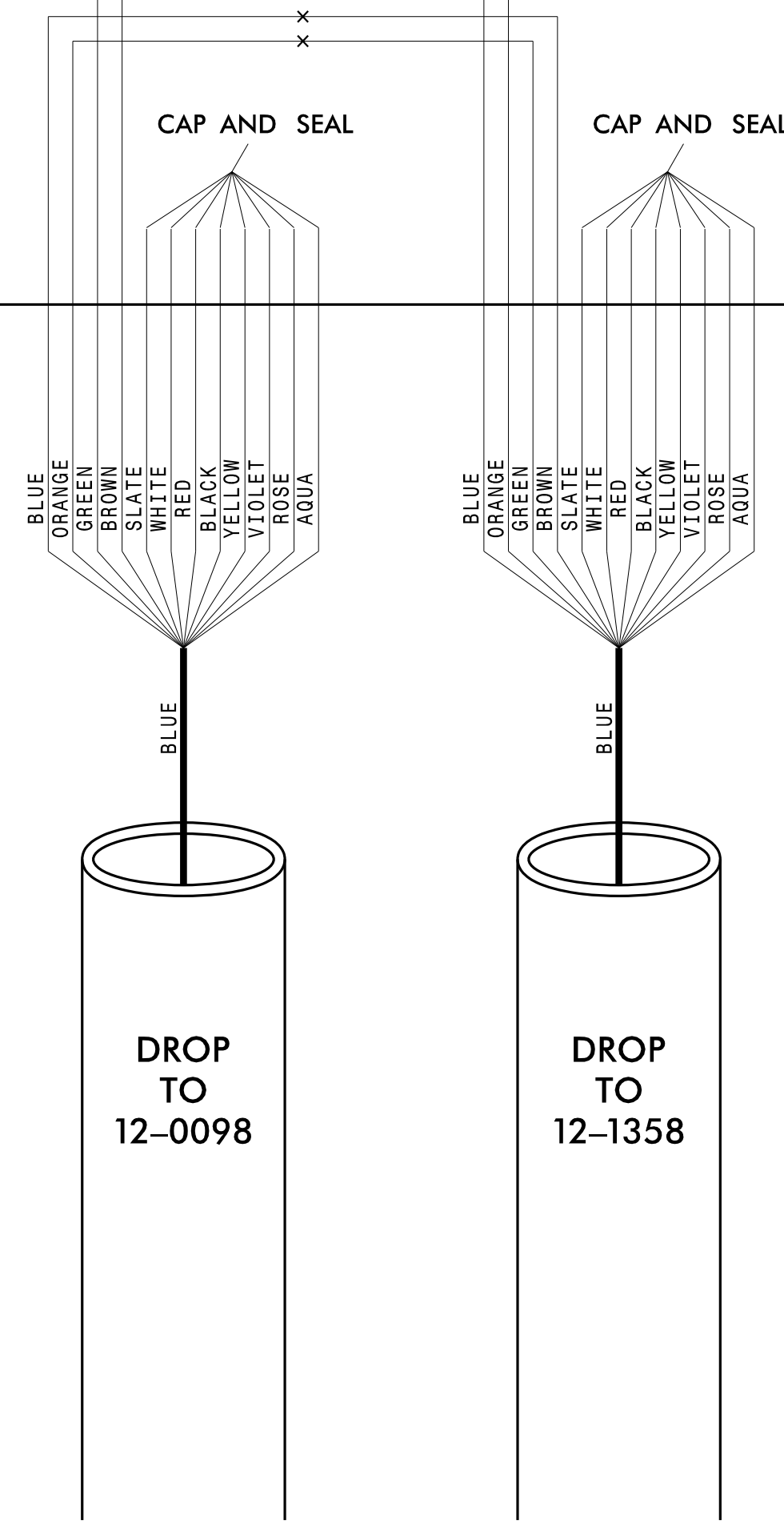
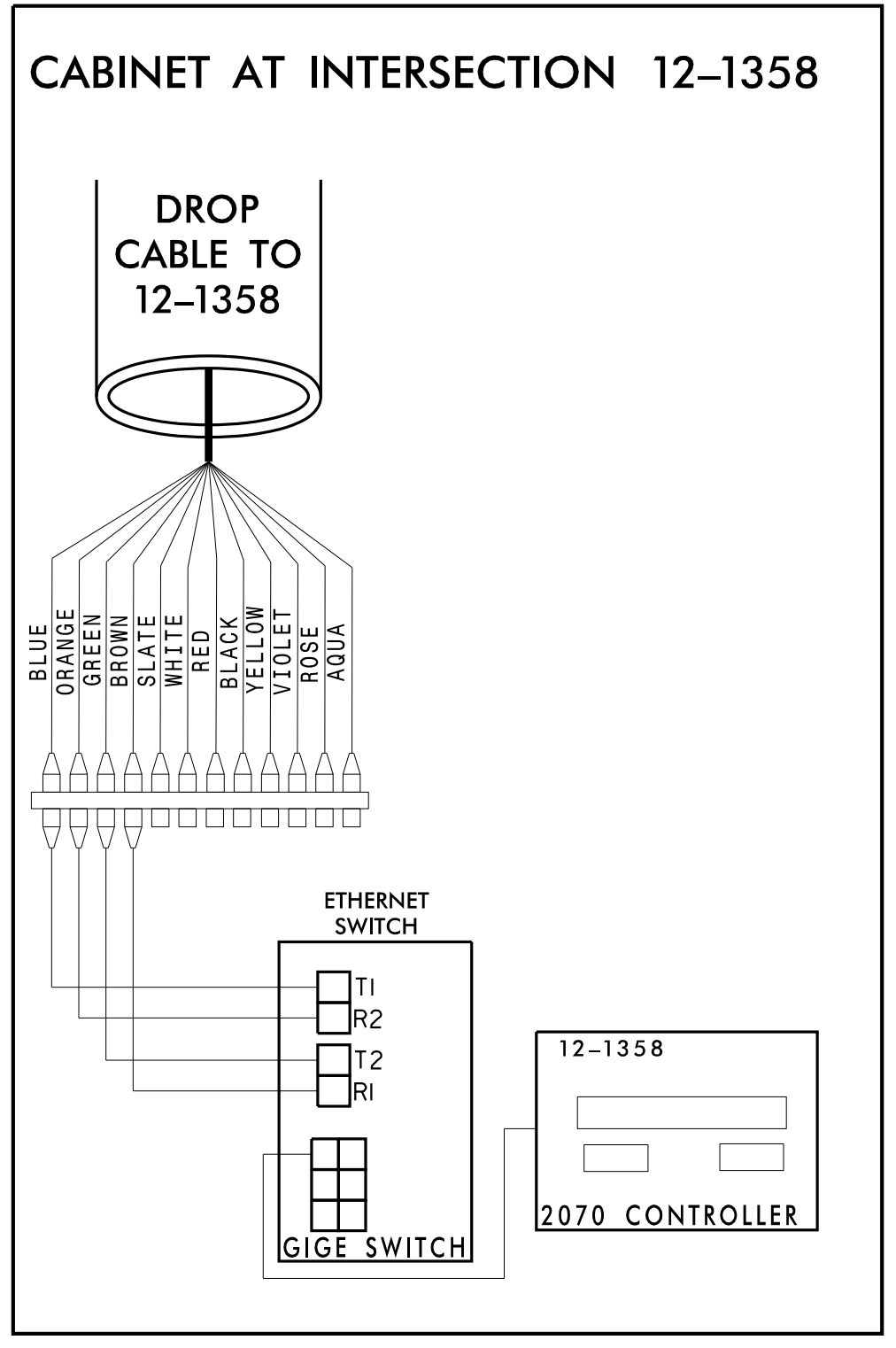
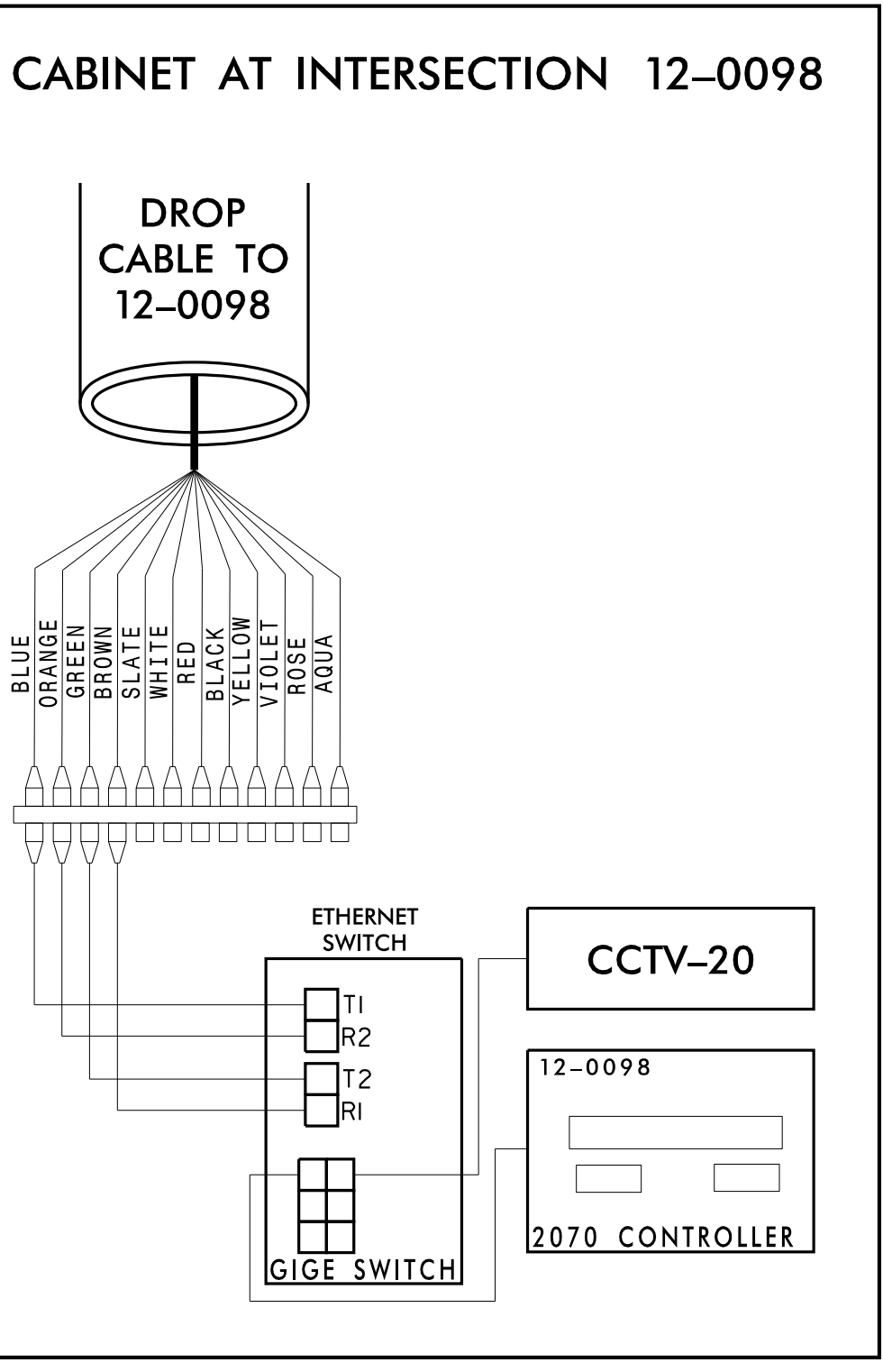
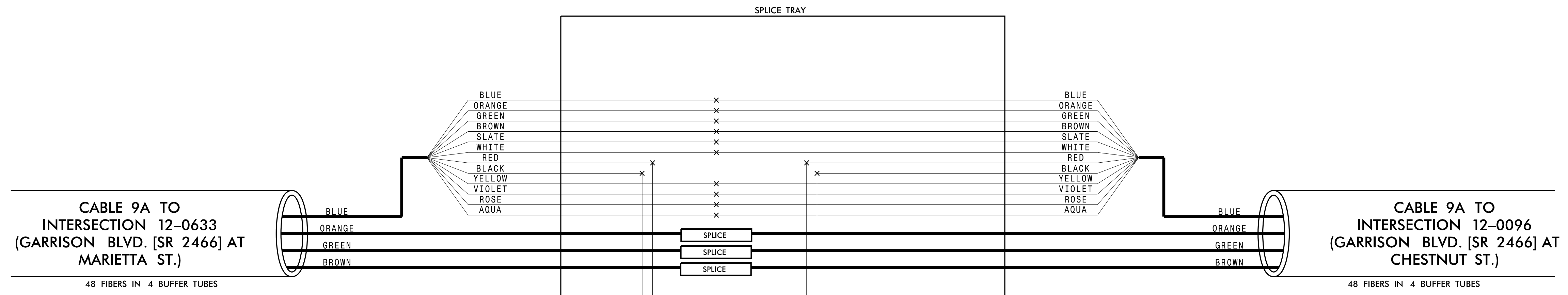
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
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**LEGEND**

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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.



**CHANNEL 9**  
**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SPLICE DETAIL**

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

**Kimley»Horn**  
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Raleigh, NC 27601  
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Fax: (919) 677-2050

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
No. 028952  
Inger Van Osdel  
3/16/2022

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL088.dgn



### CHANNEL 9 SPLICE ENCLOSURE AT (GARRISON BLVD. [SR 2466] AT CHESTNUT ST.) SIG ID 12-0096

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

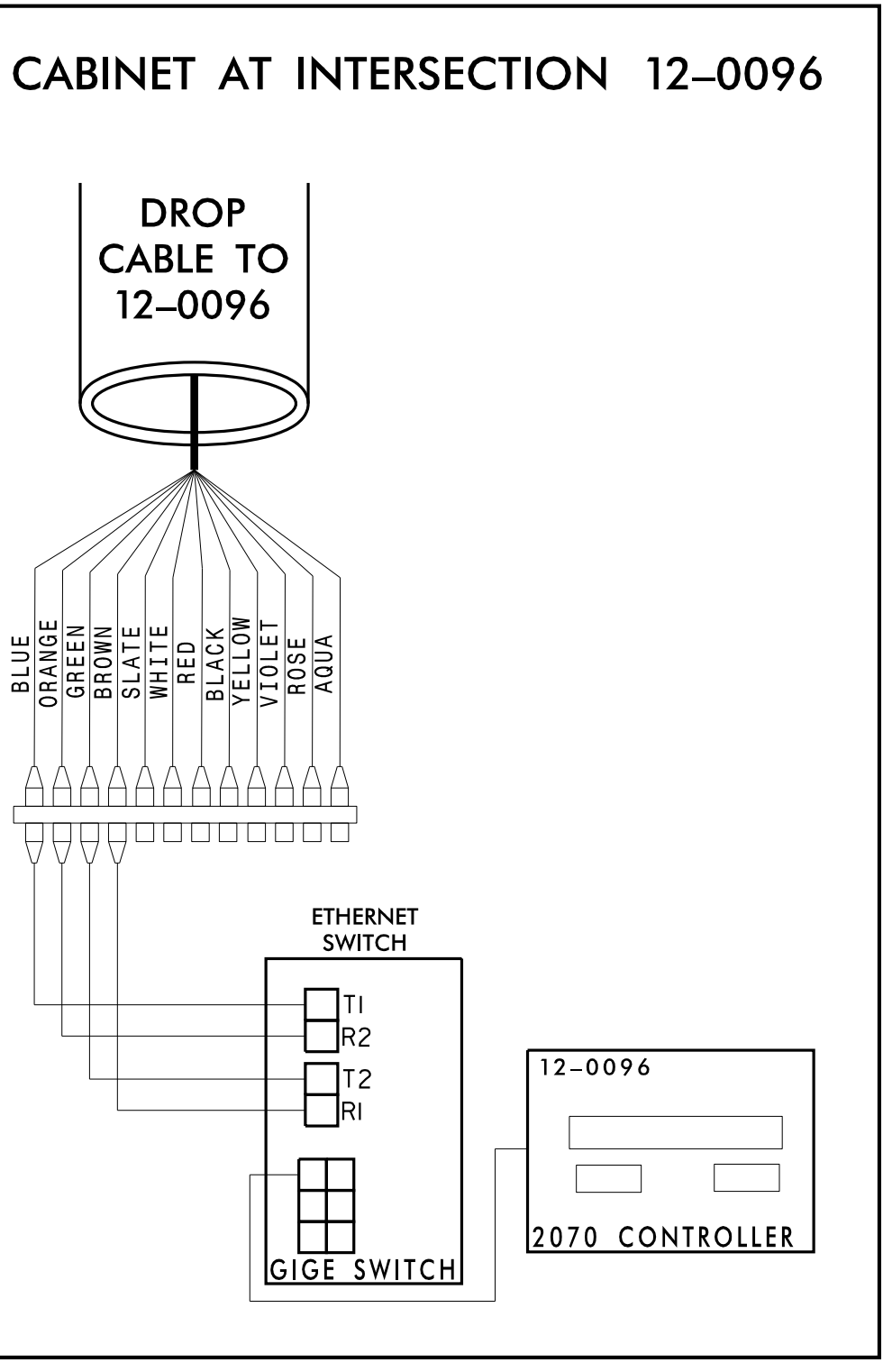
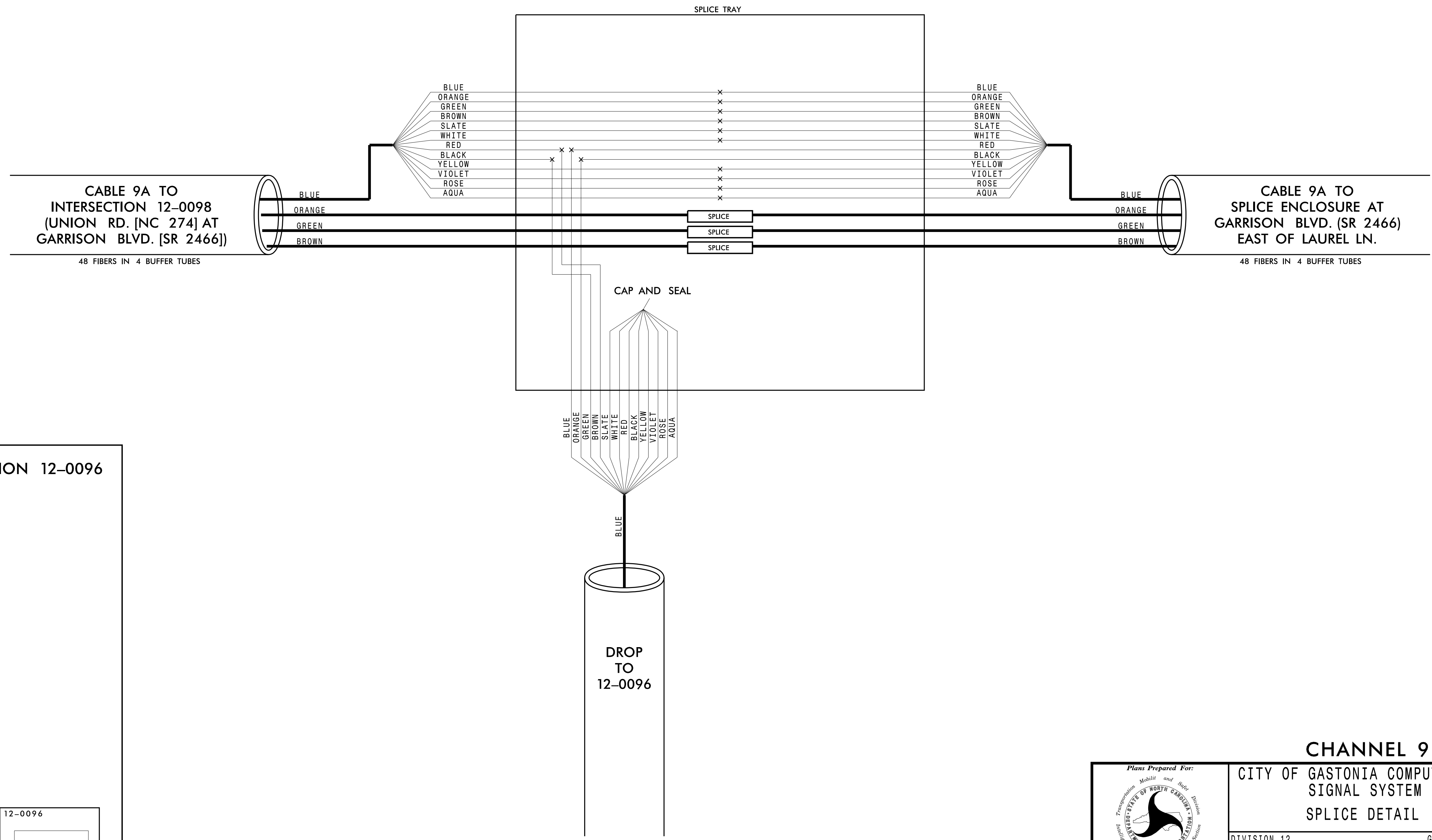
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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

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

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**CHANNEL 9**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPLICE DETAIL

DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

SCALE: 0

REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INIT. DATE

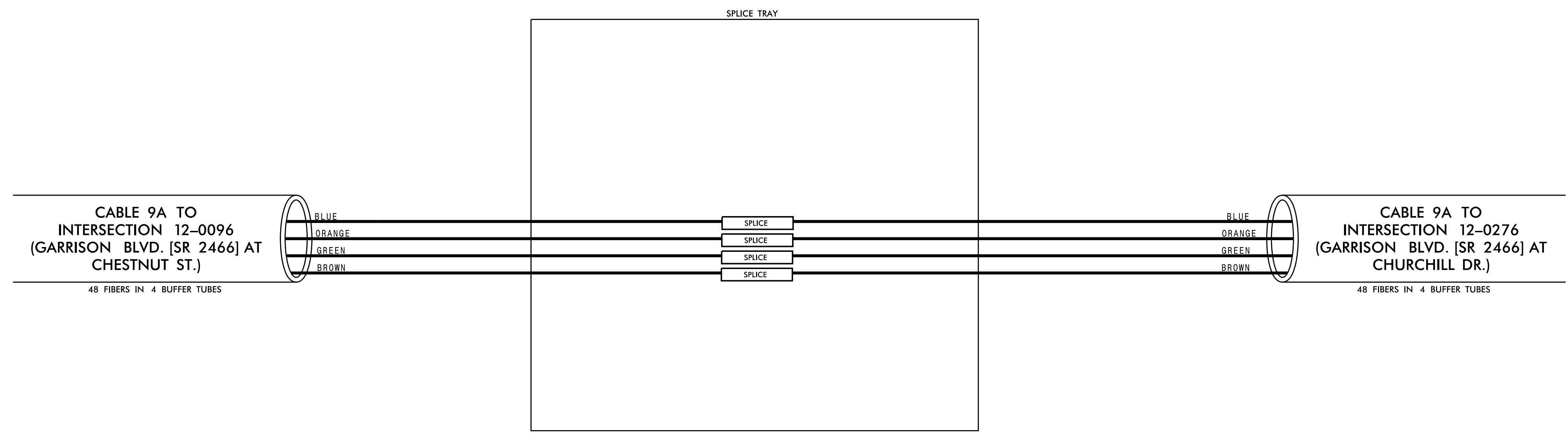
DocuSigned by: Inger Van Osdel 3/16/2022  
 SEAL: NORTH CAROLINA PROFESSIONAL SEAL 028952  
 INGER Z. VAN OSDELL  
 CADD File name: \_\_\_\_\_

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3/15/2022  
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**CHANNEL 9  
SPLICE ENCLOSURE AT  
GARRISON BLVD. (SR 2466)  
EAST OF LAUREL LN.**

<b>COLOR CODE</b> TIA/EIA 598-C		<b>LEGEND</b>	
(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	<b>NOTES:</b>	
		1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.	
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	<b>CHANNEL 9</b>		
	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SPLICE DETAIL		
DIVISION 12 PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER	GASTON COUNTY REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ROGER Z. VAN OSDEL 3/16/2022
SCALE 	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	

CHANNEL 9  
SPLICE ENCLOSURE AT  
(GARRISON BLVD. [SR 2466] AT  
CHURCHILL DR.)  
SIG ID 12-0276

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

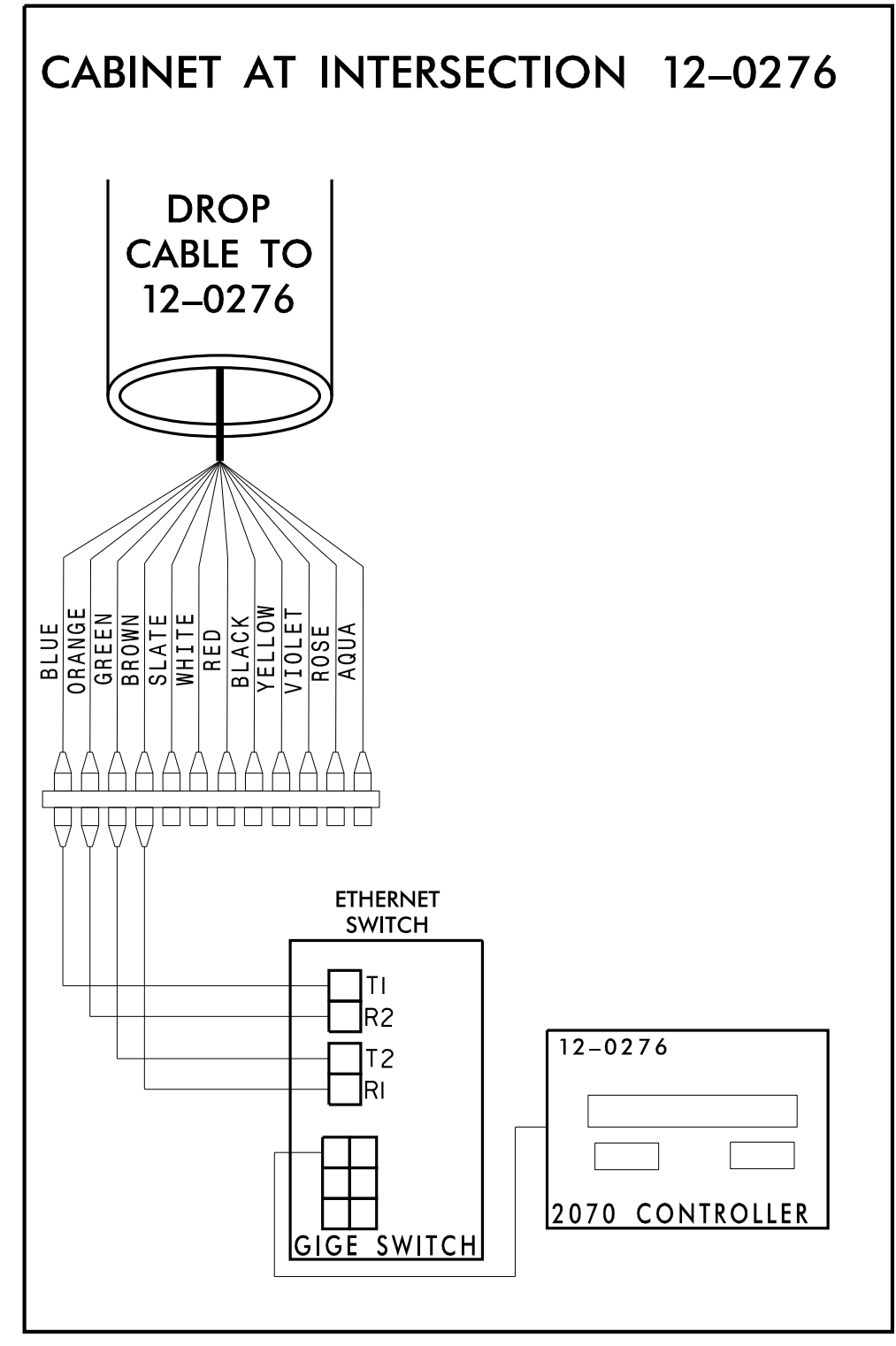
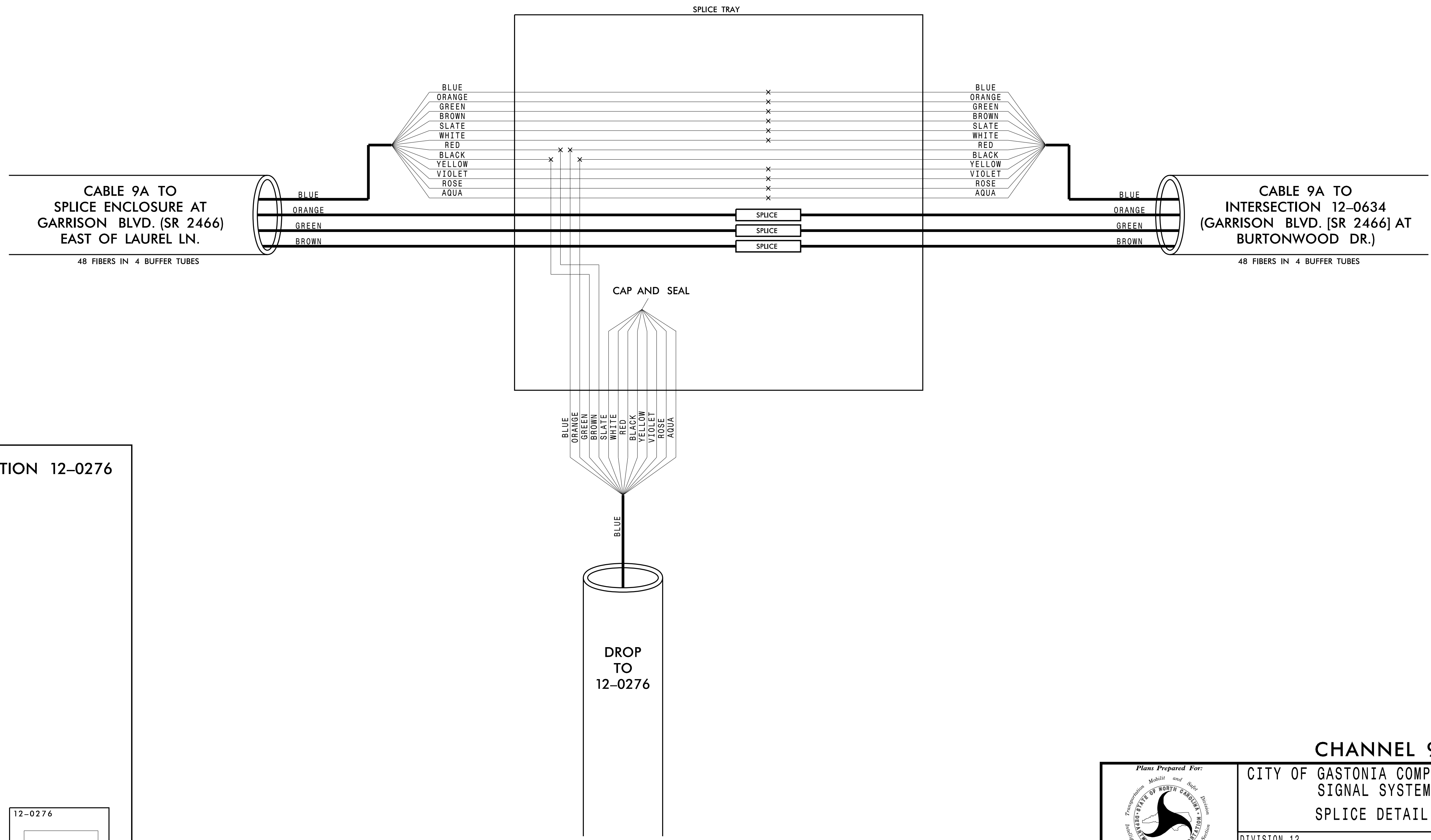
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

**LEGEND**

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 O - EXISTING SPlice  
 □ - EXPRESS INDIVIDUAL FIBER

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 SPLICE - SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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**CHANNEL 9**  
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM  
SPlice DETAIL

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
SCALE: 0	REVISIONS	INIT.	DATE

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SEAL

Professional Engineer Seal for Iger Van OsdeLL, North Carolina License #F-0102, 028952.

DocuSigned by: Iger Van OsdeLL 3/16/2022

CADD File name:

3/15/2022 \\kimley-horn.com\SE-RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Splicing\SPL091.dgn