This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.
This file or an individual page shall not be considered a certified document.

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL026

CHANNEL A02
SPLICE ENCLOSURE AT
(HILLSBOROUGH RD AT
US 15–501 NB RAMP)
SIG ID 05–0276
CCTV 2087

COLOR CODE
TIA/EIA 598–C

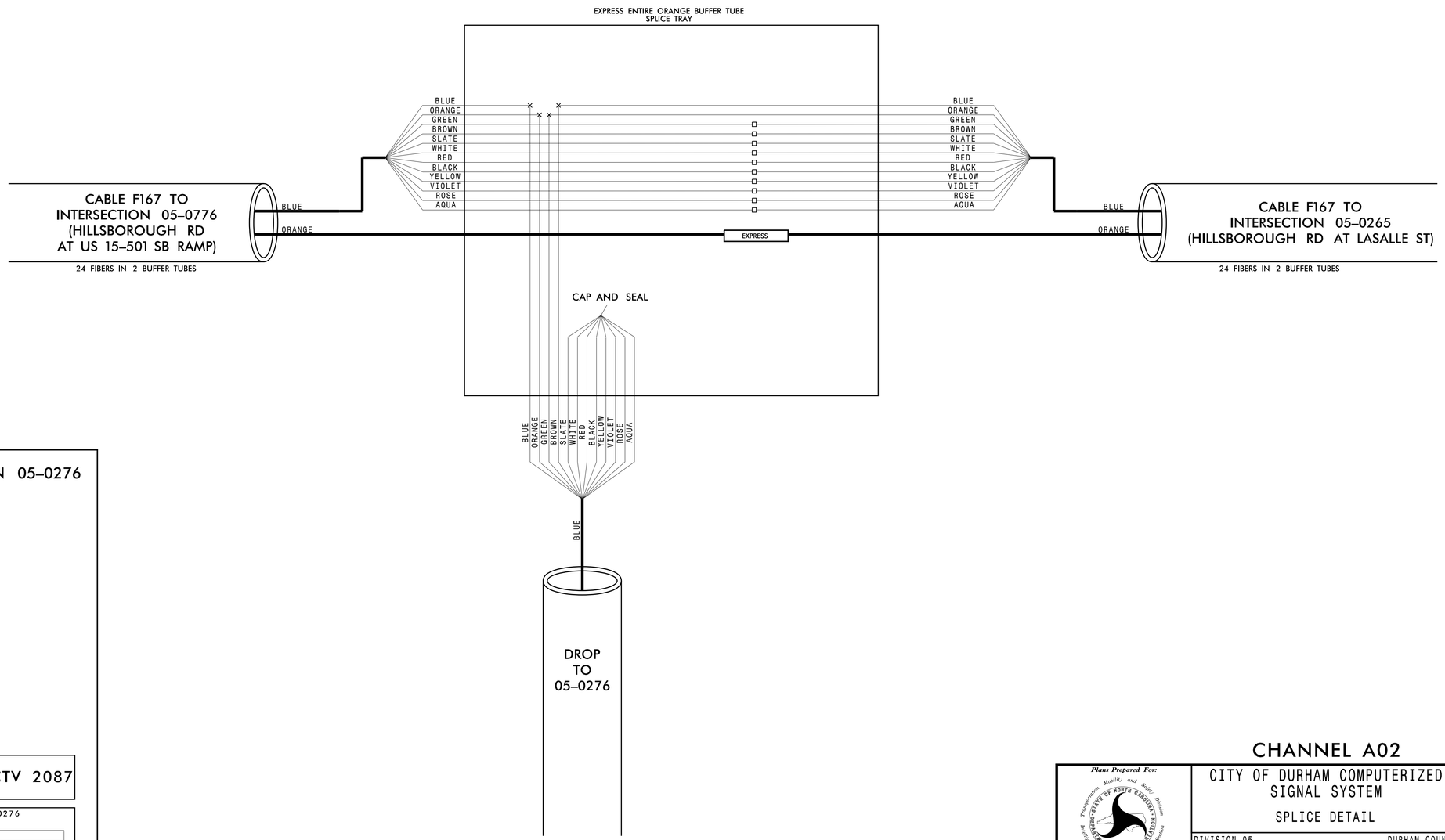
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

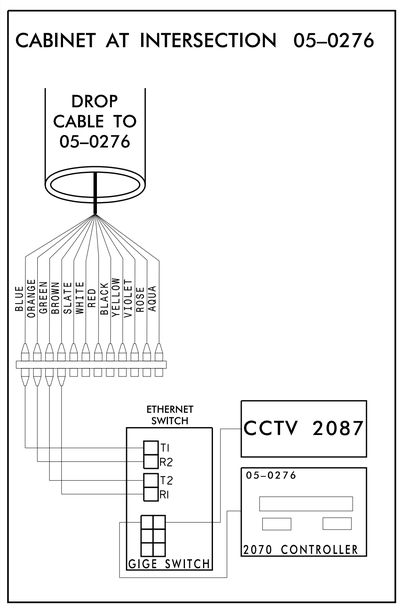
LEGEND

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.





12/17/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA02_026_05-0276.dgn

CHANNEL A02

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

Plans Prepared For:
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0

CITY OF DURHAM COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 05		DURHAM COUNTY	
PLAN DATE:	DEC 2018	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	KHA	REVIEWED BY:	K. SMITH

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith 12/19/2018
SIGNATURE DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL027

CHANNEL A02
SPLICE ENCLOSURE AT
(HILLSBOROUGH RD AT LASALLE ST)
SIG ID 05–0265

COLOR CODE
TIA/EIA 598–C

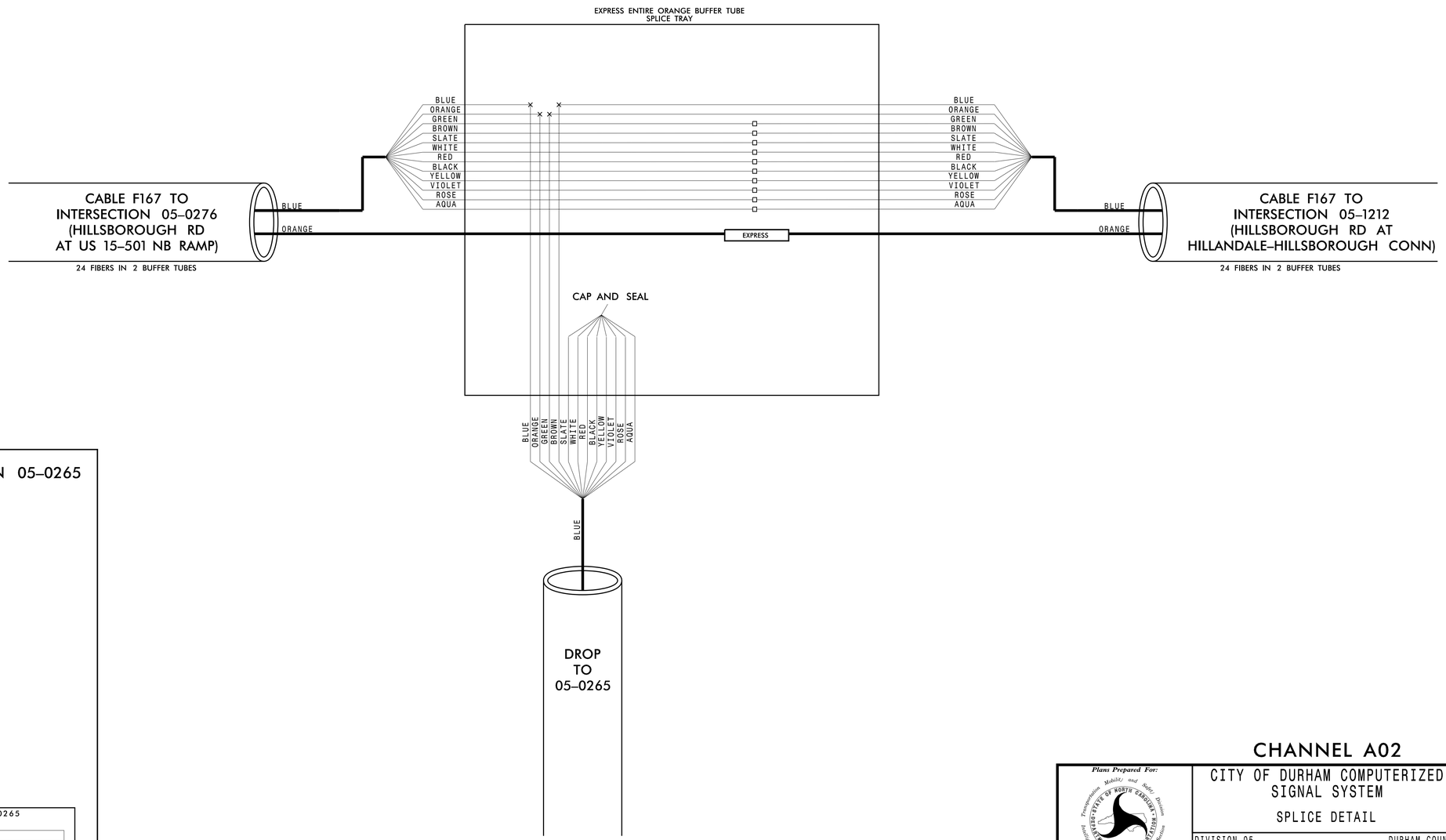
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

LEGEND

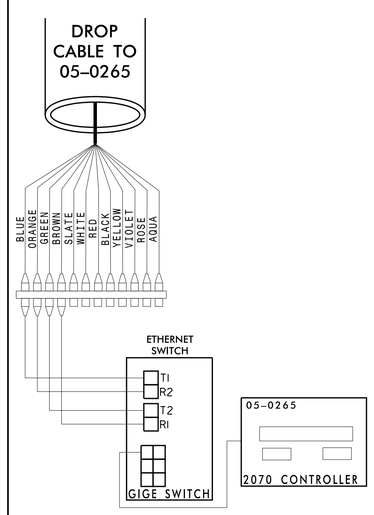
X – FUSION SPLICE INDIVIDUAL FIBER
O – EXISTING SPLICE
□ – EXPRESS INDIVIDUAL FIBER

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.



CABINET AT INTERSECTION 05–0265



12/17/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA02_027_05-0265.dgn

CHANNEL A02

Plans Prepared For:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Transportation Systems

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0

CITY OF DURHAM COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 05		DURHAM COUNTY
PLAN DATE: DEC 2018	REVIEWED BY: N. MENGELKOCH	
PREPARED BY: KHA	REVIEWED BY: K. SMITH	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith 12/19/2018
SIGNATURE DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL027A

CHANNEL A02
SPLICE ENCLOSURE AT
(HILLSBOROUGH RD AT
HILLANDALE–HILLSBOROUGH CONN)
SIG ID 05–1212
CCTV 2088

COLOR CODE
TIA/EIA 598–C

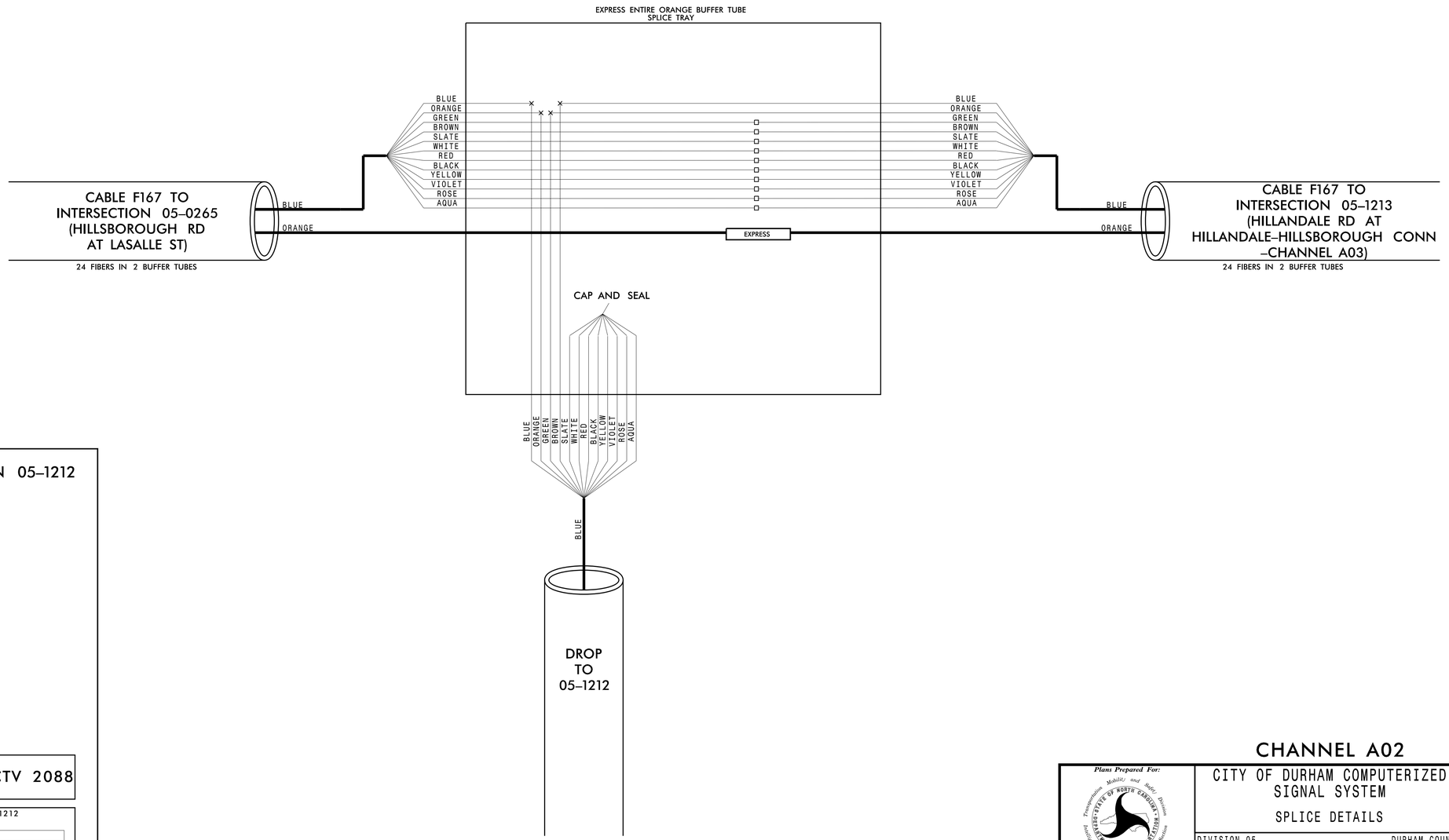
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

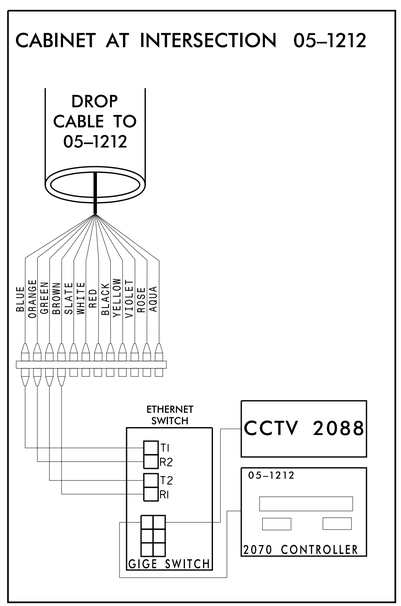
LEGEND

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.





12/19/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA02_027A_05-1212.dgn

CHANNEL A02

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

Plans Prepared For:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Integrated Mobility Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0

CITY OF DURHAM COMPUTERIZED
SIGNAL SYSTEM

SPLICE DETAILS

DIVISION 05 — DURHAM COUNTY

PLAN DATE:	DEC 2018	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	KHA	REVIEWED BY:	K. SMITH

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith 12/19/2018
SIGNATURE DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL028

CHANNEL A02
SPLICE ENCLOSURE AT
(NC 751 AT HILLSBOROUGH RD)
SIG ID 07–0886

COLOR CODE
TIA/EIA 598–C

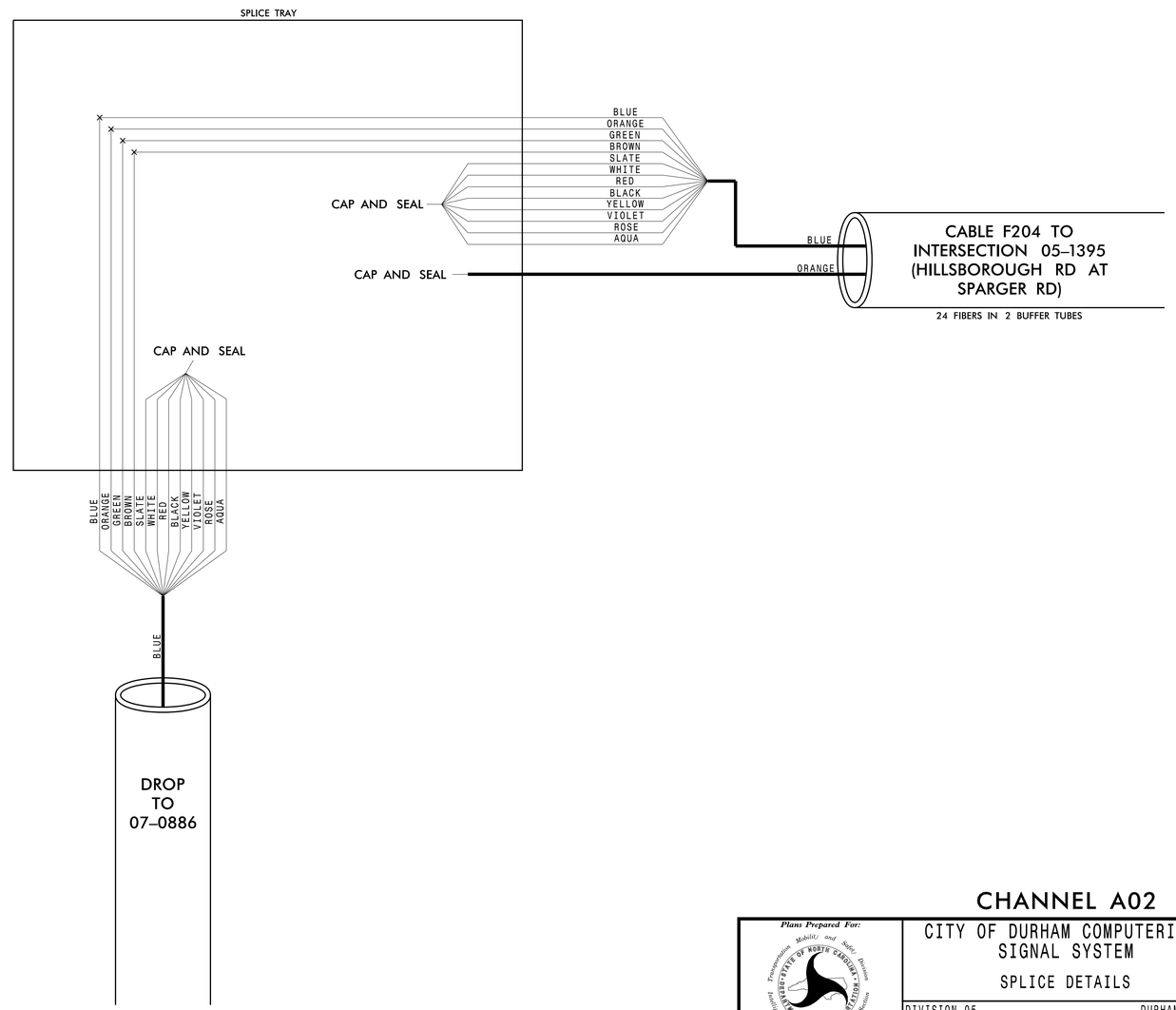
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

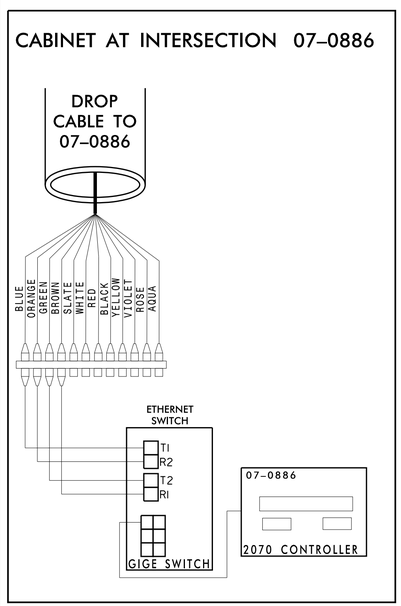
LEGEND

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.





12/19/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA02_028_07-0886.dgn

CHANNEL A02

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

Plans Prepared For:
Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Planning Division
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0

CITY OF DURHAM COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAILS

DIVISION 05 — DURHAM COUNTY

PLAN DATE:	DEC 2018	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	KHA	REVIEWED BY:	K. SMITH

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith 12/19/2018
SIGNATURE DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL028A

CHANNEL A02
SPLICE ENCLOSURE AT
(HILLSBOROUGH RD AT SPARGER RD)
SIG ID 05–1395

COLOR CODE
TIA/EIA 598–C

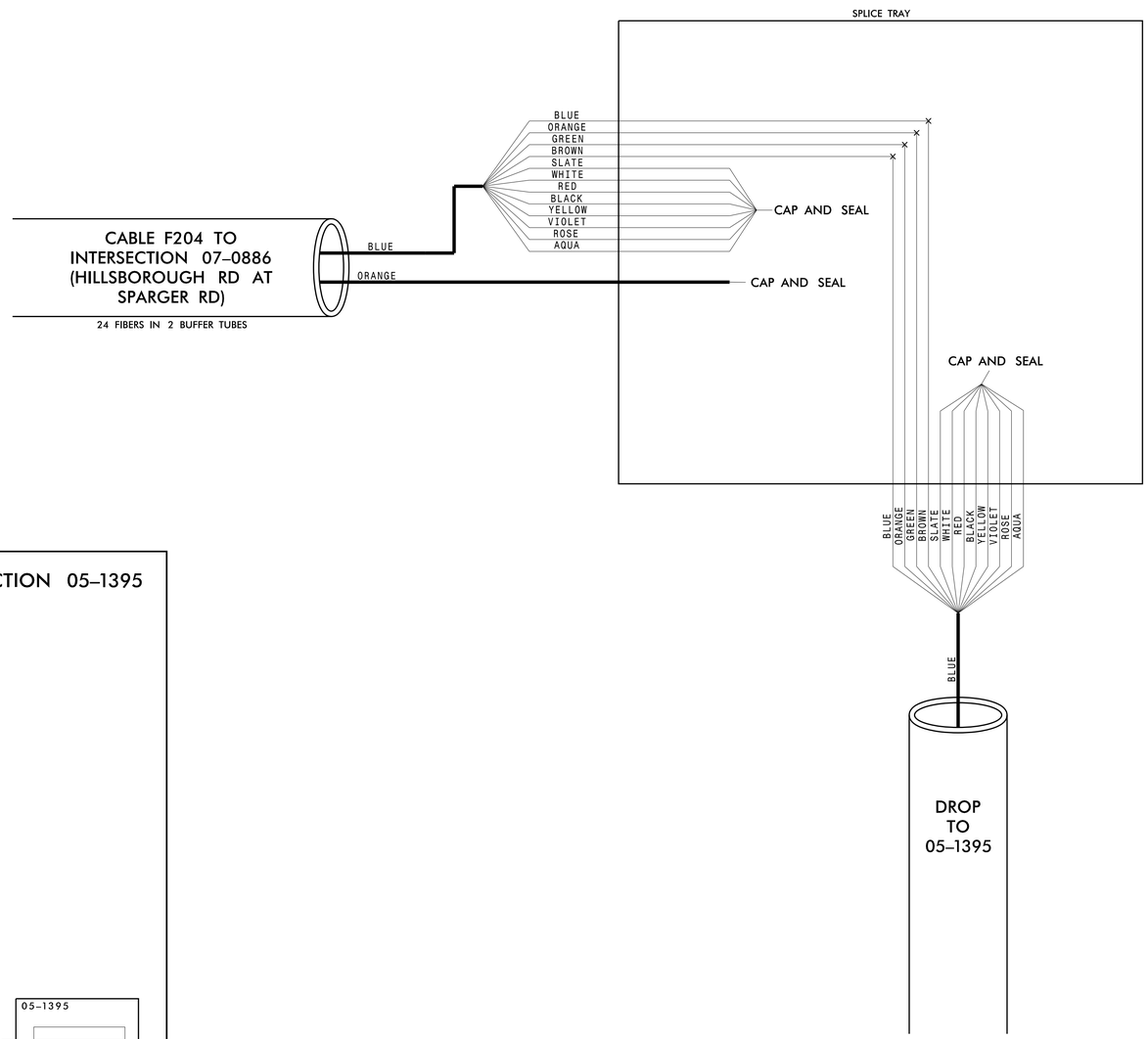
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

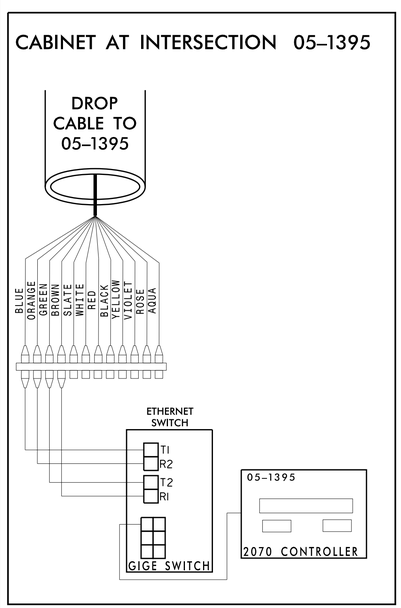
LEGEND

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.





12/19/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA02_028A_05-1395.dgn

CHANNEL A02

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

Plans Prepared For:
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0

CITY OF DURHAM COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAILS

DIVISION 05		DURHAM COUNTY	
PLAN DATE:	DEC 2018	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	KHA	REVIEWED BY:	K. SMITH

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith 12/19/2018
SIGNATURE DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
U-5968	SPL029

CHANNEL A03
SPLICE ENCLOSURE AT (HILLSBOROUGH RD AT OAKLAND AV /TRENT DR) SIG ID 05–0254

COLOR CODE
TIA/EIA 598–C

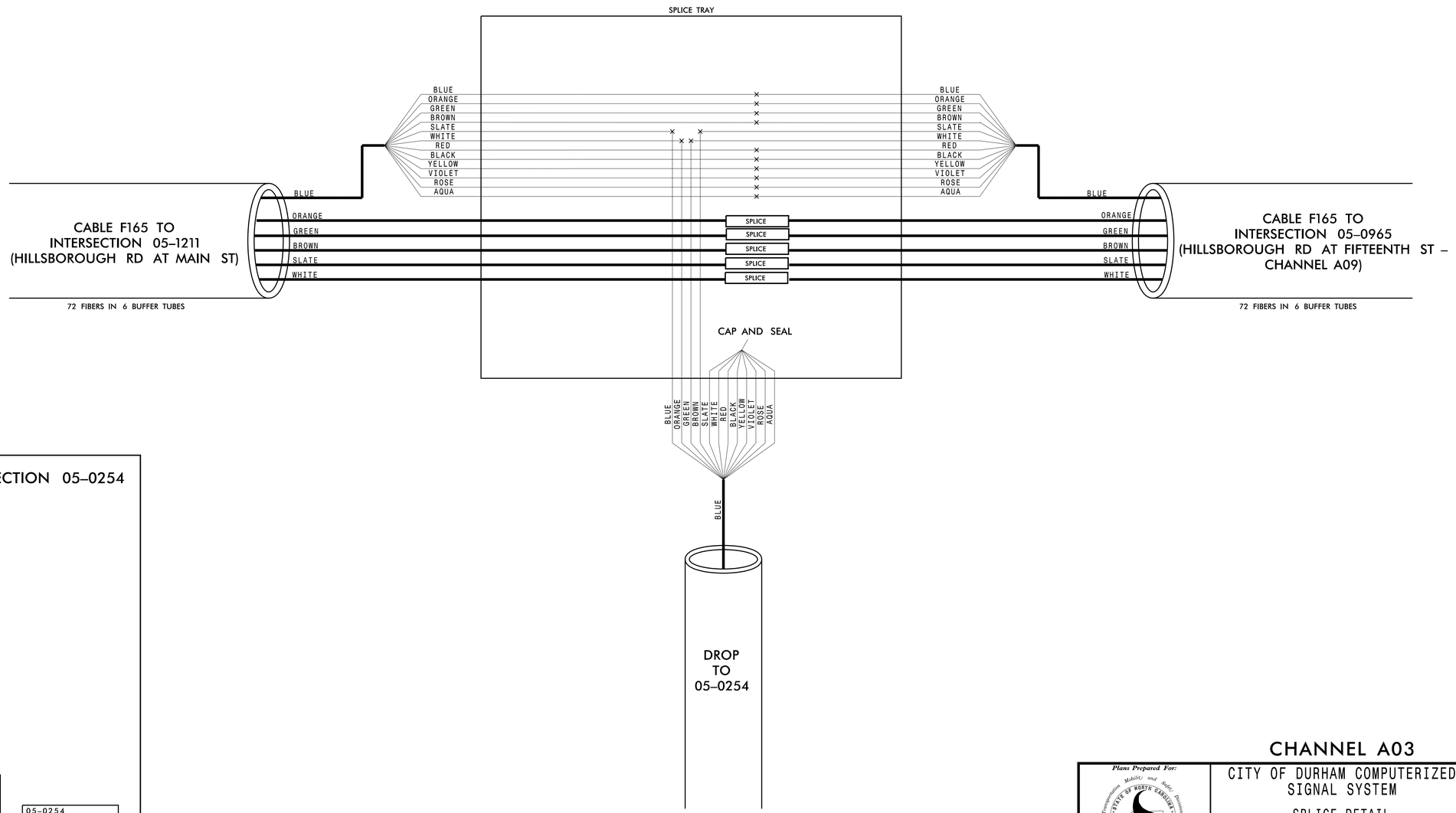
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

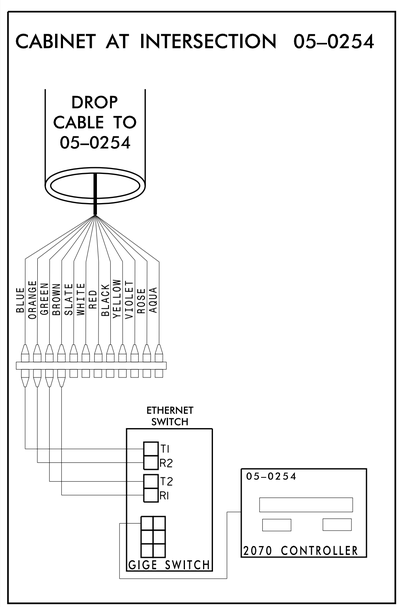
LEGEND

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.





12/17/2018
K:\RAL_TPTO_ITS\011036410 - Durham Signal System\Plans\Splicing\U-5968 _ITS_spl_CHA03_029_05-0254.dgn

CHANNEL A03

Plans Prepared For: Mobility and Safety Division — State of North Carolina Department of Transportation — Transportation Systems Engineering

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0

Kimley»Horn
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

CITY OF DURHAM COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 05 — DURHAM COUNTY

PLAN DATE:	DEC 2018	REVIEWED BY:	N. MENGELKOCH
PREPARED BY:	KHA	REVIEWED BY:	K. SMITH

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH

DocuSigned by: Kevin Smith — SIGNATURE — 12/19/2018 DATE

CADD Filename: