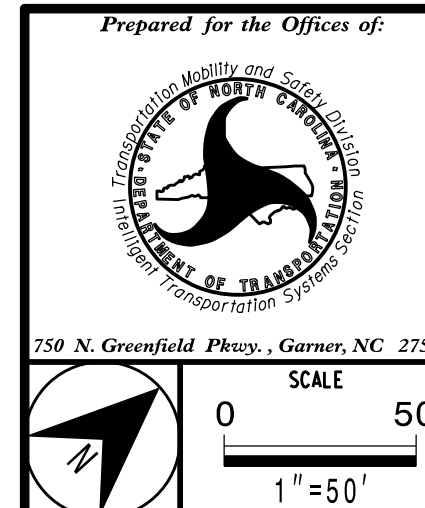


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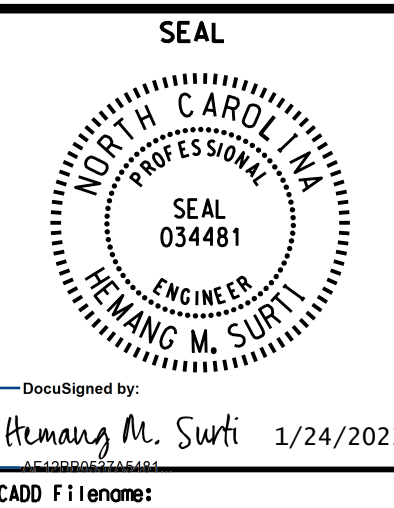
1. ALL CABLE ATTACHMENT POINTS ARE 12 INCHES BELOW CHARTER, FRONT SIDE OF POLE, UNLESS OTHERWISE NOTED.
2. NOTIFY THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064, SEVEN (7) DAYS PRIOR TO BEGINNING WORK ON COMMUNICATIONS CABLE FOR SIGNAL COMMUNICATIONS. CUTOVER TO THE NEW FIBER SHALL NOT EXCEED 24 HOURS IN DURATION. (SEE "ICT"). NOTIFY THE RALEIGH ENGINEER AFTER ALL WORK IS PERFORMED. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
3. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE PLANS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGMENT DIFFERS FROM THE SUPPLIED SPLICE PLANS.

1/24/2023 10:44:00 AM ***AECOM-NO-PW-DENI1 EY-COM-AECOM.DS21_NA_2020\Documents\6090754-U-5748_L1\gcn_m11\#300-CAD_01S\#910-CAD\#70-NCDOT_TIP\Traffic\c651\gpn1s\best\gms1\gpn1s\k2 - Signal_Comp_Post_Let_2022\U-5748_scp_07_POST.dgn
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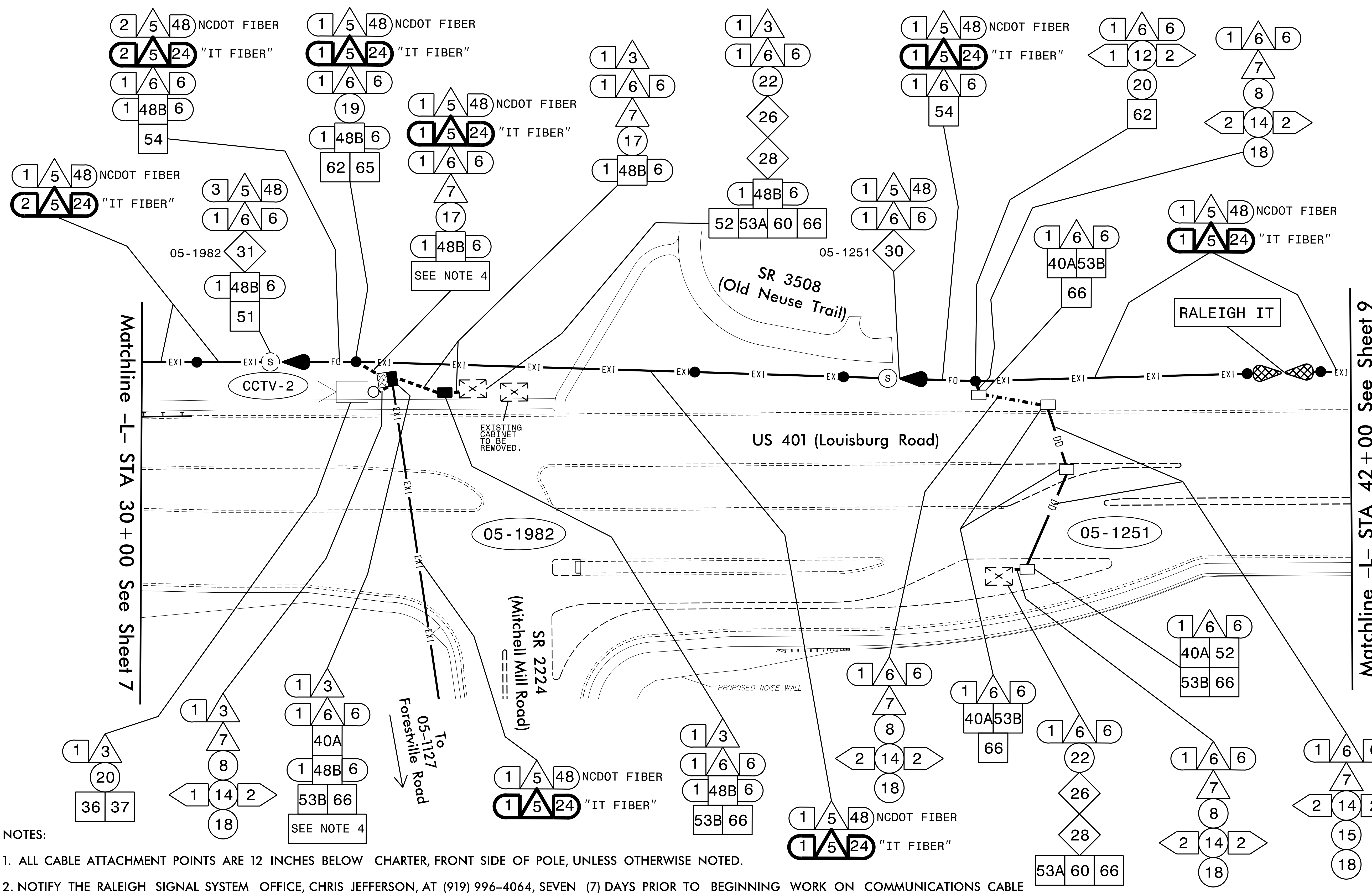
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Prepared for the Offices of:		Post-Let Communication Cable Routing Plans Signal System - City of Raleigh	
Division 5 Wake County Raleigh		Raleigh	
PLAN DATE: Jan 2023	REVIEWED BY: A. Ravipati		
PREPARED BY: M.P. Cavanaugh	REVIEWED BY: H.M. Surti		
REVISIONS	INIT.	DATE	

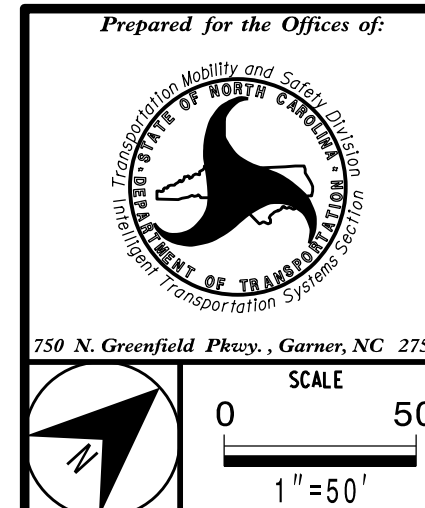


DocuSigned by:
Hemang M. Surti 1/24/2023
CADD Filename:

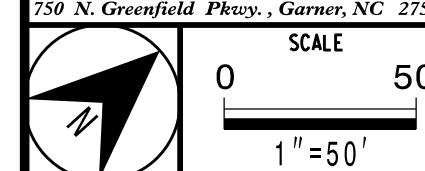
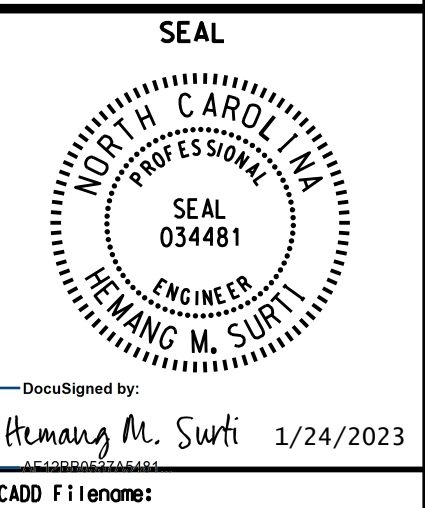


NOTES:

1. ALL CABLE ATTACHMENT POINTS ARE 12 INCHES BELOW CHARTER, FRONT SIDE OF POLE, UNLESS OTHERWISE NOTED.
2. NOTIFY THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064, SEVEN (7) DAYS PRIOR TO BEGINNING WORK ON COMMUNICATIONS CABLE FOR SIGNAL COMMUNICATIONS. CUTOVER TO THE NEW FIBER SHALL NOT EXCEED 24 HOURS IN DURATION. (SEE "ICT"). NOTIFY THE RALEIGH ENGINEER AFTER ALL WORK IS PERFORMED. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
3. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE PLANS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGMENT DIFFERS FROM THE SUPPLIED SPLICE PLANS.
4. INTERCEPT EXISTING CONDUIT, INSTALL NEW JUNCTION BOX, AND ROUTE NEW CONDUIT AND ETHERNET CABLE TO NEW CCTV.

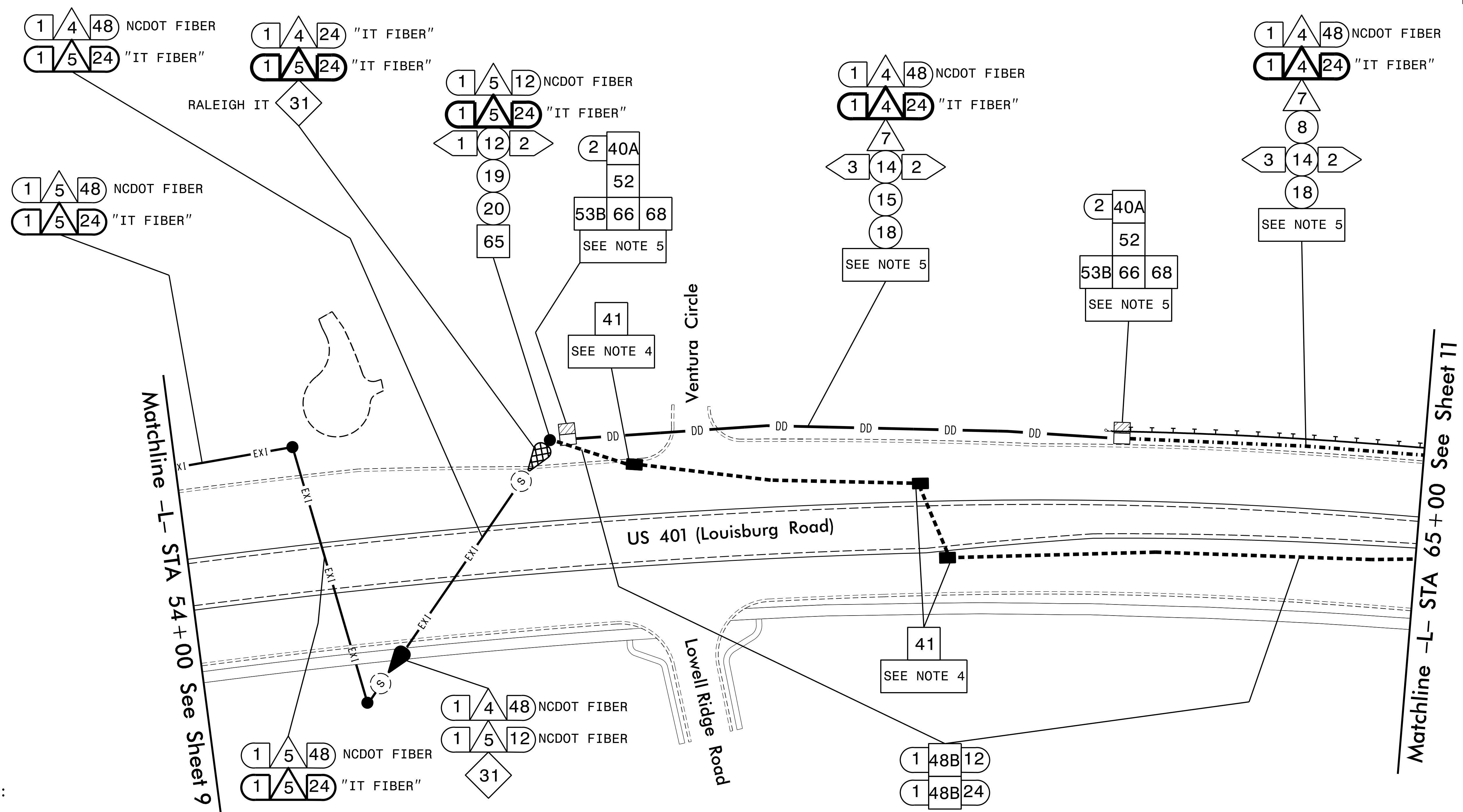


Prepared for the Offices of:		Post-Let	
Division 5		Wake County	
Raleigh		Raleigh	
PLAN DATE:	Jan 2023	REVIEWED BY:	A. Ravipati
PREPARED BY:	M.P. Cavanaugh	REVIEWED BY:	H.M. Surti
REVISIONS	INIT.	DATE	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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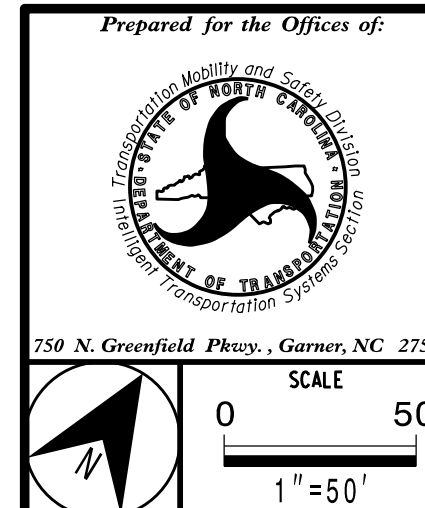


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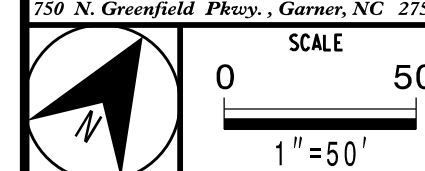
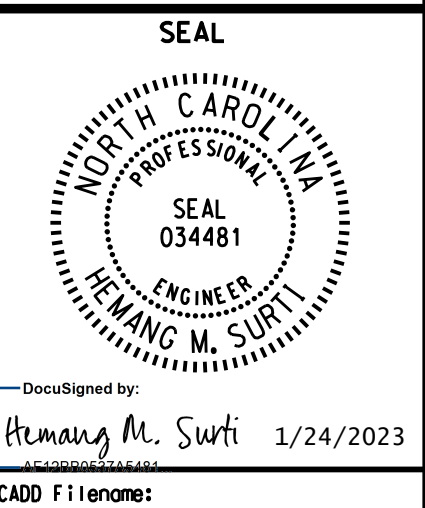
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3. BOLD CONSTRUCTION NOTES REPRESENT CITY OF RALEIGH IT FIBER. NOTIFY RALEIGH INFORMATION TECHNOLOGY, ANDREW PIATEK, AT (919) 996-5438, SEVEN (7) DAYS PRIOR TO BEGINNING WORK ON COMMUNICATIONS CABLE FOR INFORMATION TECHNOLOGY COMMUNICATIONS. NOTIFY INFORMATION TECHNOLOGY AFTER ALL WORK IS PERFORMED. CUTOVER TO NEW IT TRUNK FIBER SHALL NOT EXCEED 24 HOURS IN DURATION. WORK IS NOT COMPLETE UNTIL THE IT NETWORK IS BACK UP AND OPERATIONAL.
4. UPON REMOVAL OF EXISTING FIBER, REMOVE EXISTING JUNCTION BOXES AND BACKFILL WITH APPROVED MATERIAL. ABANDON UNUSED CONDUITS IN PLACE.
5. INSTALL NEW FIBER OPTIC CABLE IN SAME TRENCH. USE SEPARATE CONDUIT AND SEPERATE JUNCTION BOXES FOR IT AND SIGNAL SYSTEM FIBER.

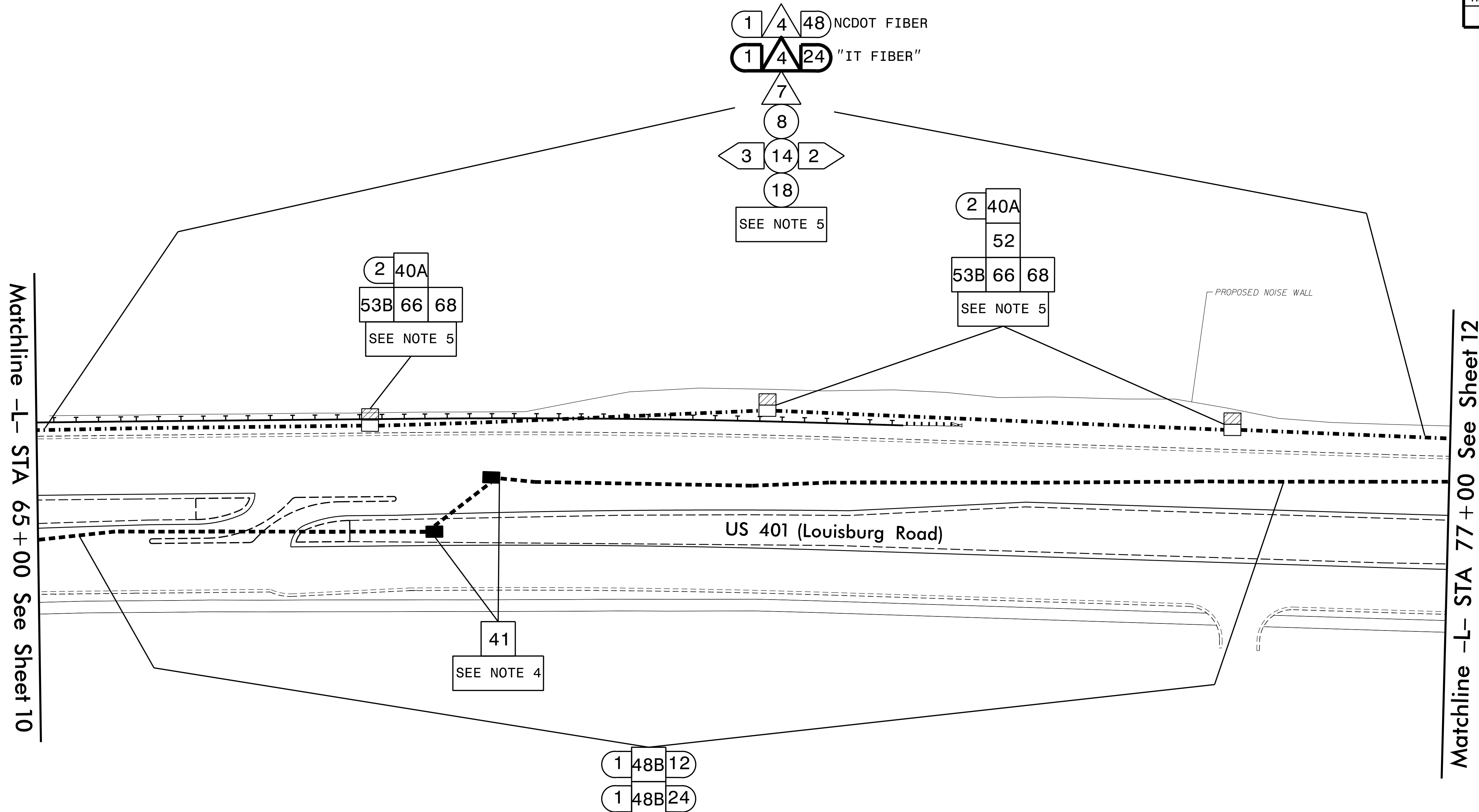
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Post-Let Communication Cable Routing Plans Signal System - City of Raleigh	
Division 5	Wake County
PLAN DATE: Jan 2023	REVIEWED BY: A. Ravipati
PREPARED BY: M.P. Cavanaugh	REVIEWED BY: H.M. Surti
REVISIONS	INIT. DATE



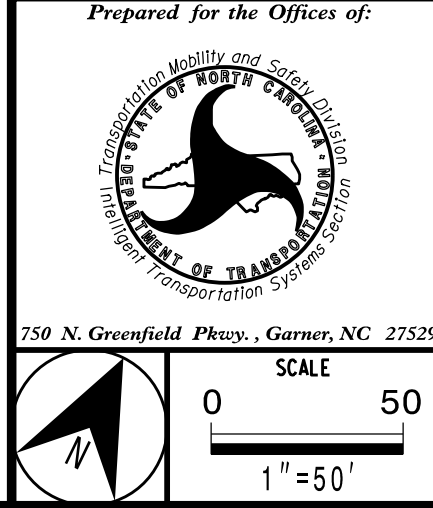


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4. UPON REMOVAL OF EXISTING FIBER, REMOVE EXISTING JUNCTION BOXES AND BACKFILL WITH APPROVED MATERIAL. ABANDON UNUSED CONDUITS IN PLACE.
5. INSTALL NEW FIBER OPTIC CABLE IN SAME TRENCH. USE SEPARATE CONDUIT AND SEPERATE JUNCTION BOXES FOR IT AND SIGNAL SYSTEM FIBER.

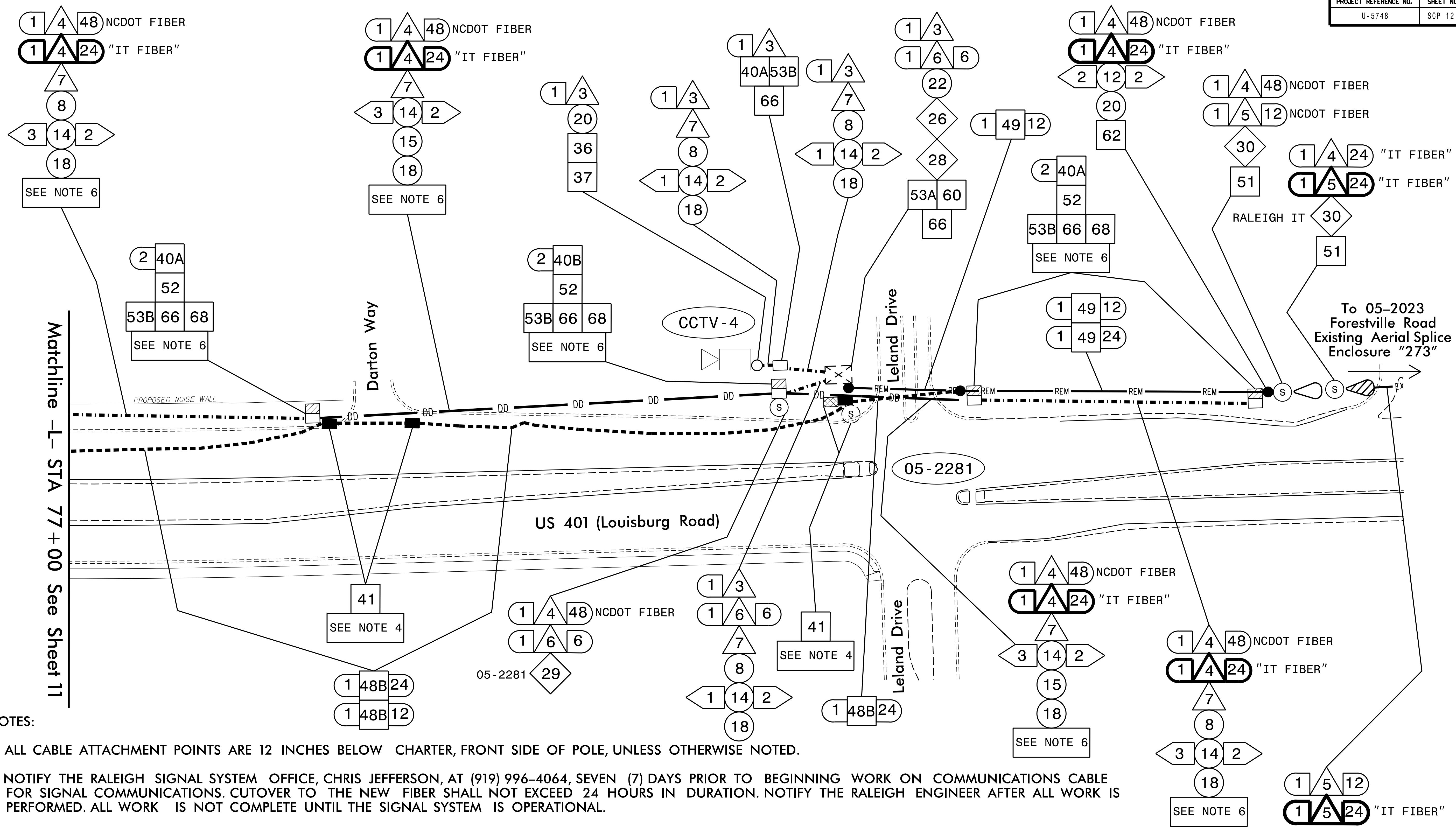
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Prepared for the Offices of:		Post-Let Communication Cable Routing Plans Signal System - City of Raleigh	
Division 5 Wake County Raleigh		Division 5 Wake County Raleigh	
PLAN DATE: Jan 2023	REVIEWED BY: A. Ravipati	PREPARED BY: M.P. Cavanaugh	REVIEWED BY: H.M. Surti
REVISIONS	INIT.	DATE	

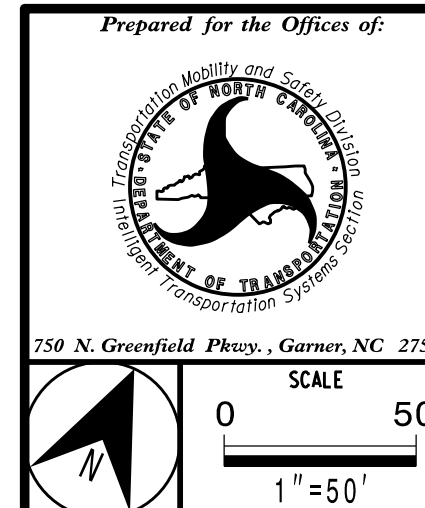
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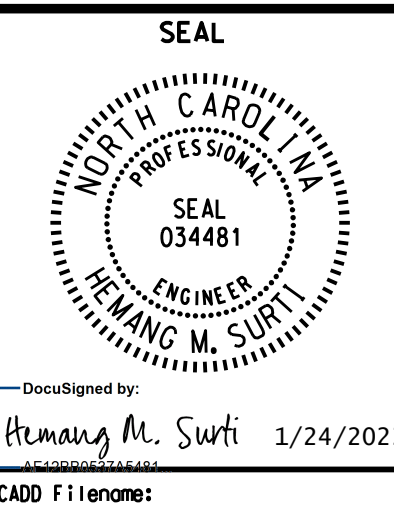
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3. BOLD CONSTRUCTION NOTES REPRESENT CITY OF RALEIGH IT FIBER. NOTIFY RALEIGH INFORMATION TECHNOLOGY, ANDREW PIATEK, AT (919) 996-5438, SEVEN (7) DAYS PRIOR TO BEGINNING WORK ON COMMUNICATIONS CABLE FOR INFORMATION TECHNOLOGY COMMUNICATIONS. NOTIFY INFORMATION TECHNOLOGY AFTER ALL WORK IS PERFORMED. CUTOVER TO NEW IT TRUNK SHALL NOT EXCEED 24 HOURS IN DURATION. WORK IS NOT COMPLETE UNTIL THE IT NETWORK IS BACK UP AND OPERATIONAL.
4. UPON REMOVAL OF EXISTING FIBER, REMOVE EXISTING JUNCTION BOXES AND BACKFILL WITH APPROVED MATERIAL. ABANDON UNUSED CONDUITS IN PLACE.
5. BACKPULL EXISTING FIBER OPTIC CABLE AND REROUTE TO NEW SPLICE ENCLOSURE AS SHOWN.
6. INSTALL NEW FIBER OPTIC CABLE IN SAME TRENCH. USE SEPARATE CONDUIT AND SEPERATE JUNCTION BOXES FOR IT AND SIGNAL SYSTEM FIBER.

1/24/2023 10:41:00 AM ***AECOM-NO-PW-DENI1 EY-COM-AECOM.DS21_NA_2020\Documents\60609754-U-5748_L1\gon.MIT1\#300-CAD_015#910-CAD#70-NCDDT_TIP*Traffi.c451.gpio1.s#0es1.gpio1.s#2 - Signal_Comp_Post_Let_2022#U-5748_sop_pdn_12_POST.dgn



Prepared for the Offices of:		Post-Let Communication Cable Routing Plans Signal System - City of Raleigh	
Division 5 Wake County Raleigh		Division 5 Wake County Raleigh	
PLAN DATE: Jan 2023	REVIEWED BY: A. Ravipati	PREPARED BY: M.P. Cavanaugh	REVIEWED BY: H.M. Surti
REVISIONS	INIT.	DATE	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: Hemanth M. Surti 1/24/2023 CADD Filename:

EXISTING AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) SOUTH OF
SR 2006 (PERRY CREEK ROAD)
SIG. INV. # 05-1247 and 05-1248

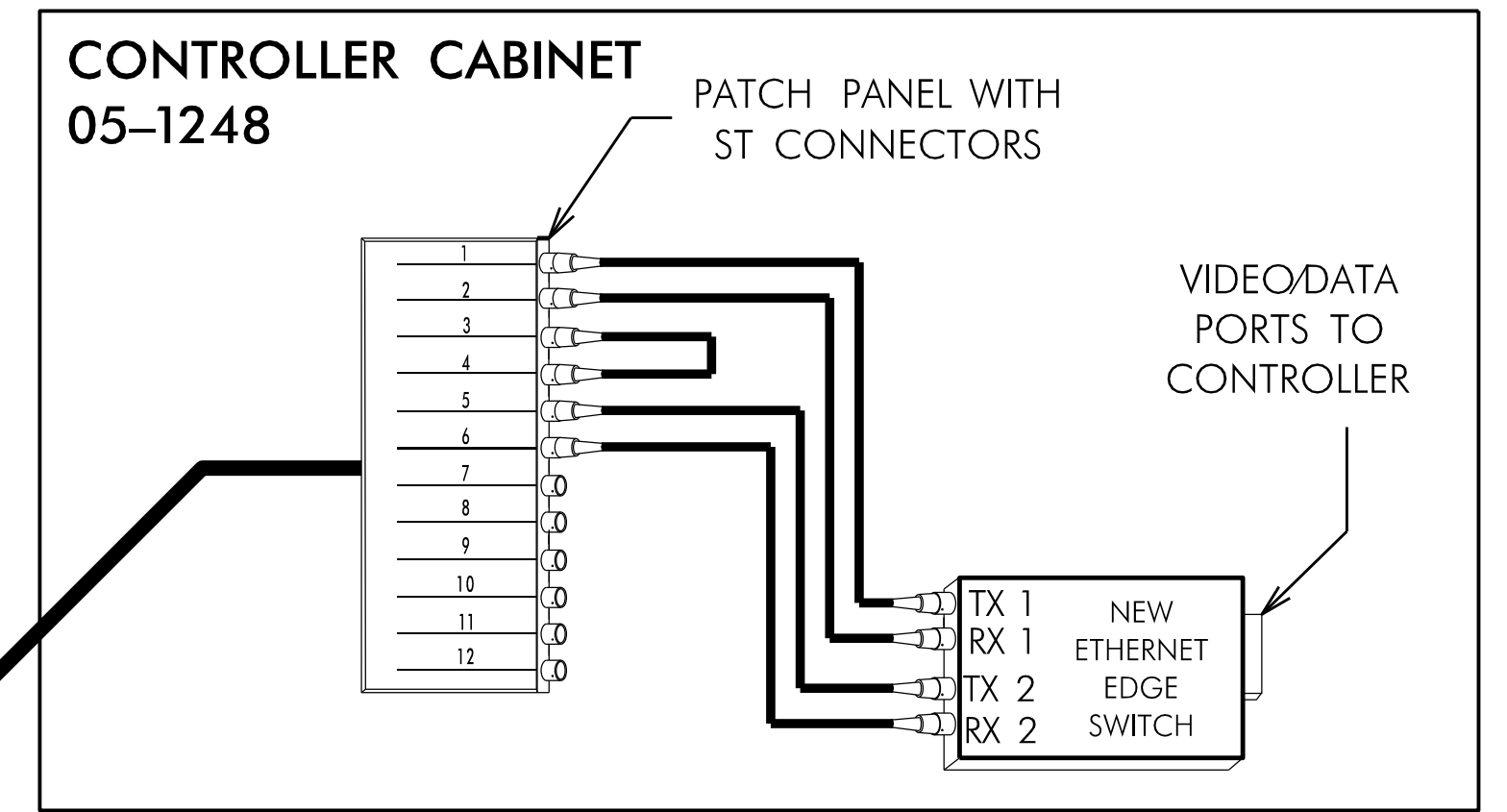
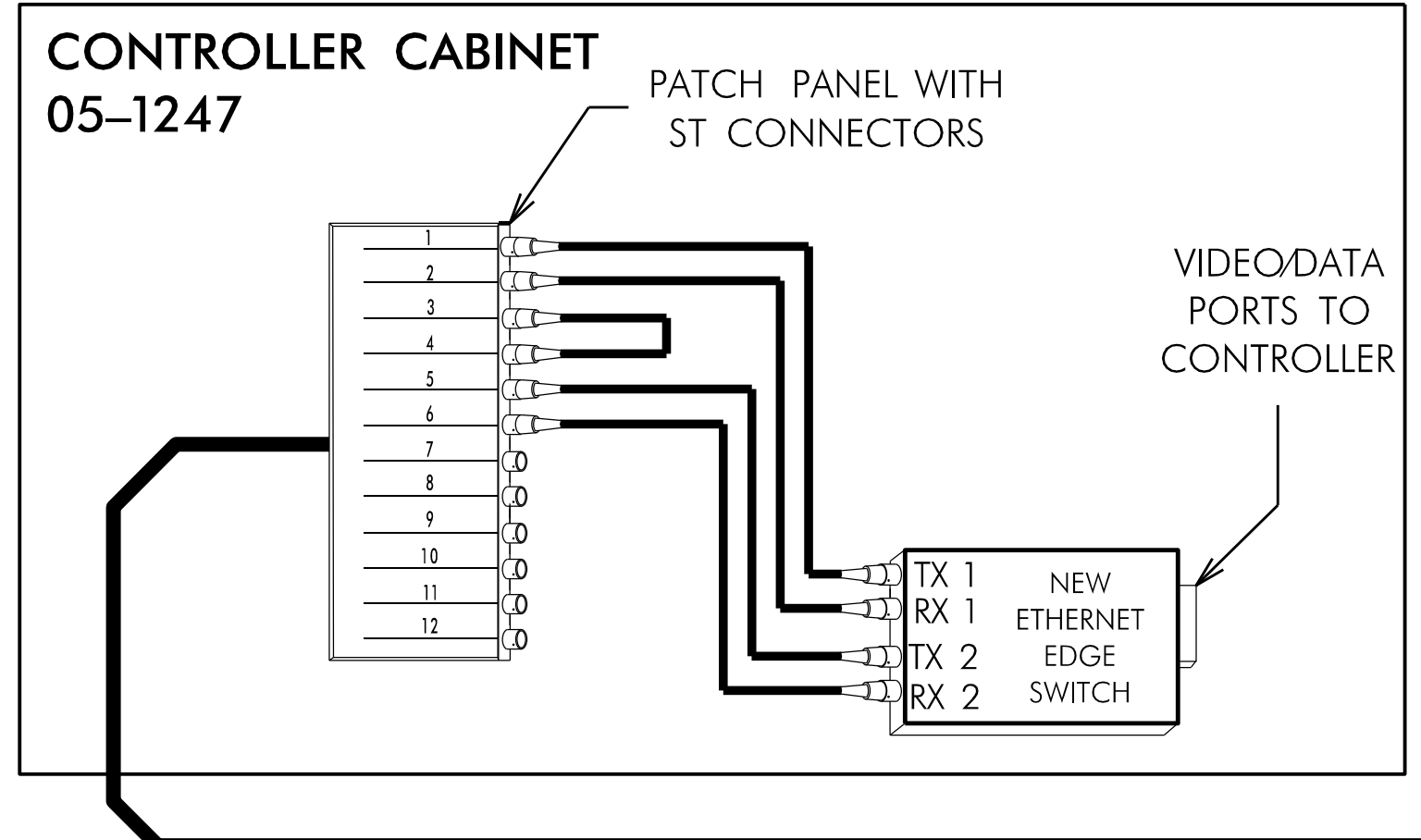
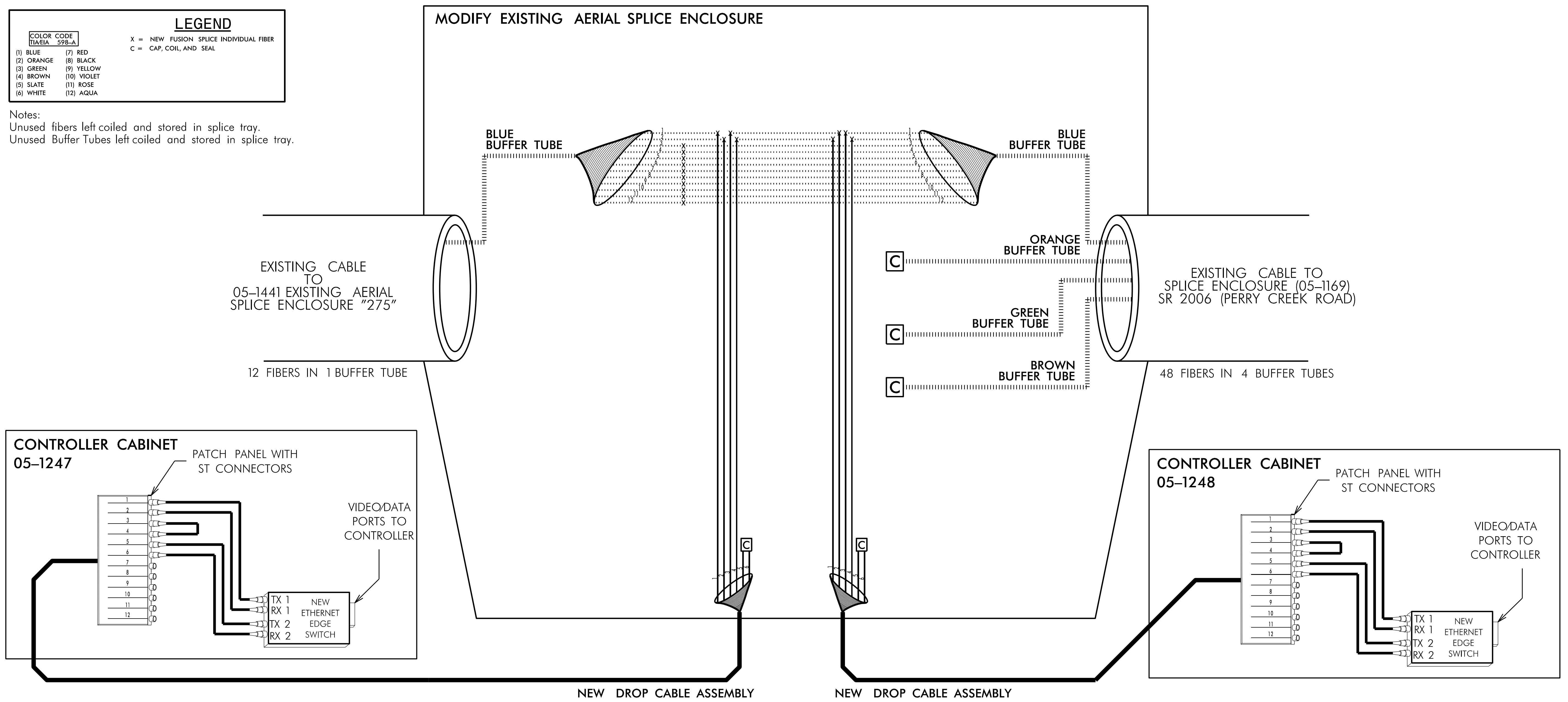
LEGEND

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

X = NEW FUSION SPLICE INDIVIDUAL FIBER
C = CAP, COIL, AND SEAL

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

MODIFY EXISTING AERIAL SPLICE ENCLOSURE



1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064 TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION
2) DATE
3) COMPANY NAME
4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

**Post-Let
Raleigh Signal System
Splice Details**

Division 5 Wake County Raleigh

PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti

PREPARED BY: A. Raviapati REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by:
Hemang M. Surti 1/24/2023
CADD File name:

AECOM

NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100

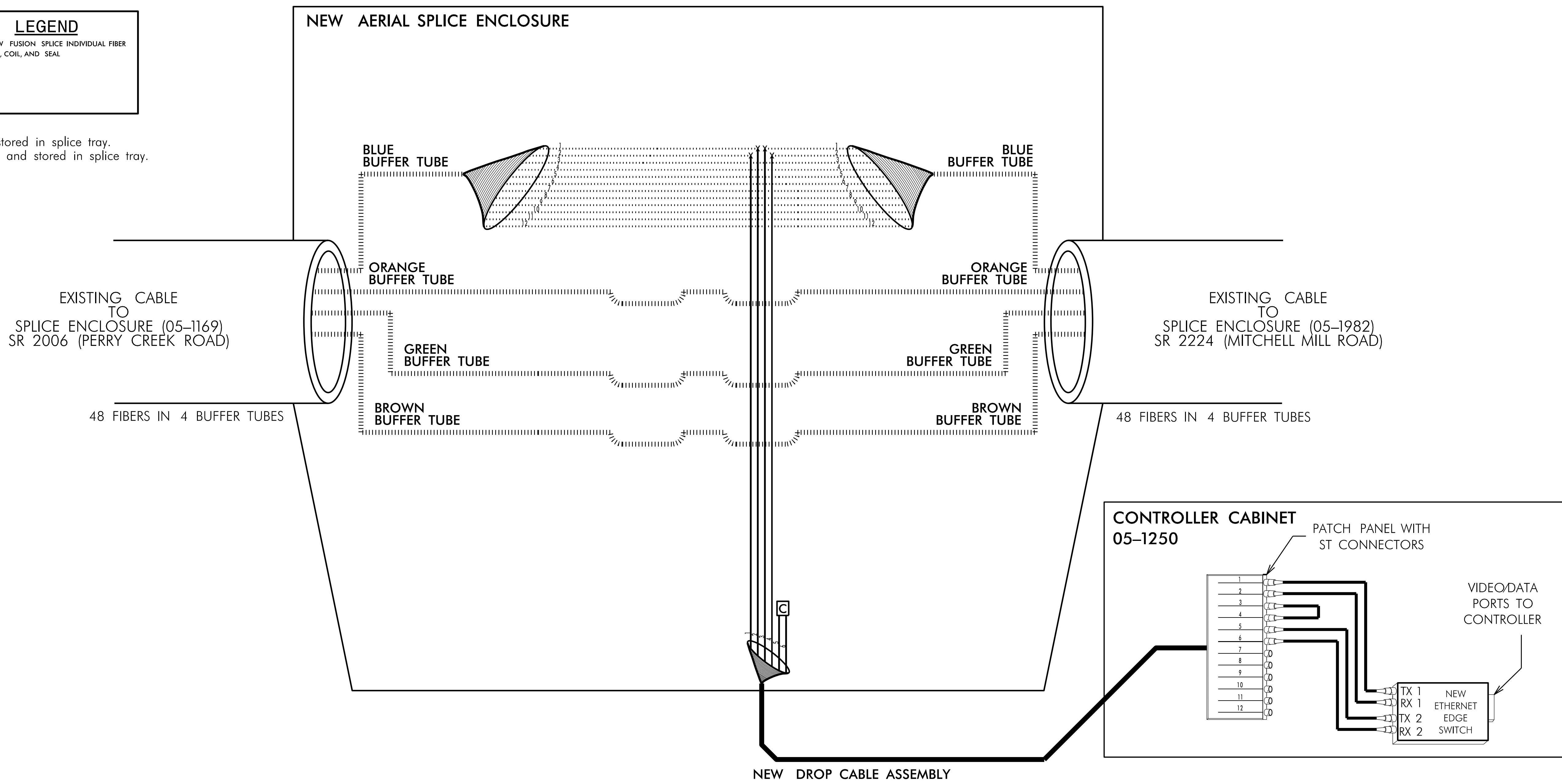
1/24/2023 10:44:00 AM C:\Users\paw.bentl\OneDrive\Documents\60609754-U-5748-L1\gpn\m11\4000-CAD\6154910-CAD\70-ANDDOT-TIP\TR-off\c651gpn1s40est\gpn651gpn1s40_13_POST1.dgn

NEW AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) NORTH OF
SR 2006 (PERRY CREEK ROAD)
SIG. INV. # 05-1250

LEGEND

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

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



1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064 TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION
2) DATE
3) COMPANY NAME
4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

 250 N. Greenfield Place, Garner, NC 27529 NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Raleigh Signal System		SEAL H. M. Surti ENGINEER 1/24/2023
	Post-Let Raleigh Signal System Splice Details Division 5 Wake County Raleigh PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti PREPARED BY: A. Raviapati REVIEWED BY:		
SCALE 0 NA N.T.S.	REVISIONS INIT. DATE	DocuSigned by: H. M. Surti 1/24/2023 CADD File Name:	

1/24/2023 10:44:00 AM C:\Users\paw.bentl\ey-com\AECOM\0521_NA_2020\Documents\60609754-U-5748_L1\gon_m\114000-CAD_0154910-CAD\70_NGDDT_TIP\TR\offi\c451\gon\150\post\gn\651\gn\15\POST.dgn

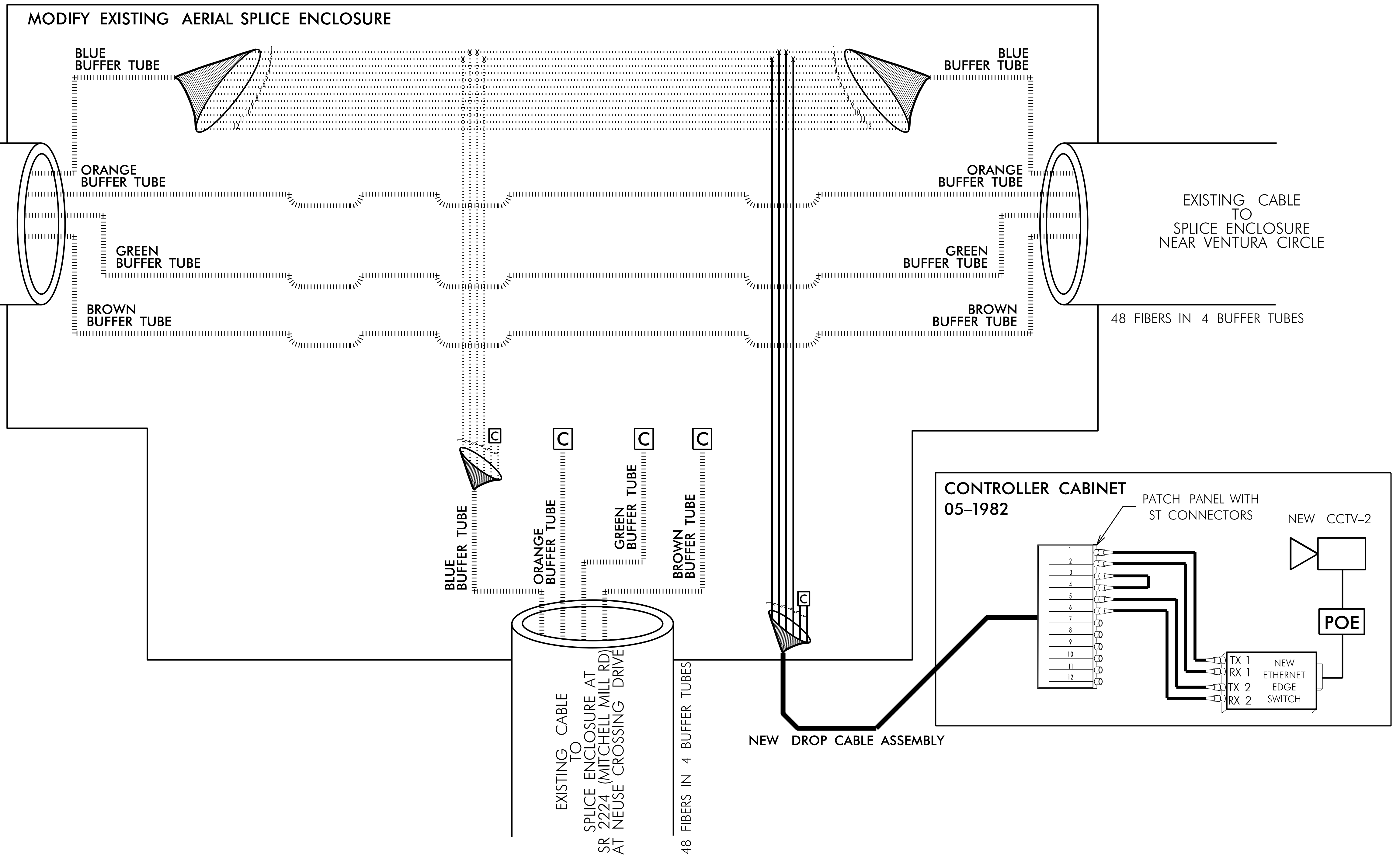
EXISTING AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) AT
SR 2224 (MITCHELL MILL ROAD)
SIG. INV. # 05-1982

LEGEND

COLOR CODE TABLE 598-A	X = NEW FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

C = CAP, COIL, AND SEAL

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



- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064 TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
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- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"
1) SPLICE LOCATION
2) DATE
3) COMPANY NAME
4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

DOCUMENT NOT CONSIDERED FINAL
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Prepared for the Offices of:

**Post-Let
Raleigh Signal System
Splice Details**

Division 5 Wake County Raleigh

PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti

PREPARED BY: A. Ravipti REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE: 0 NA N.T.S.

DocuSigned by:
Arunima M. Surti 1/24/2023

AECOM

NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100

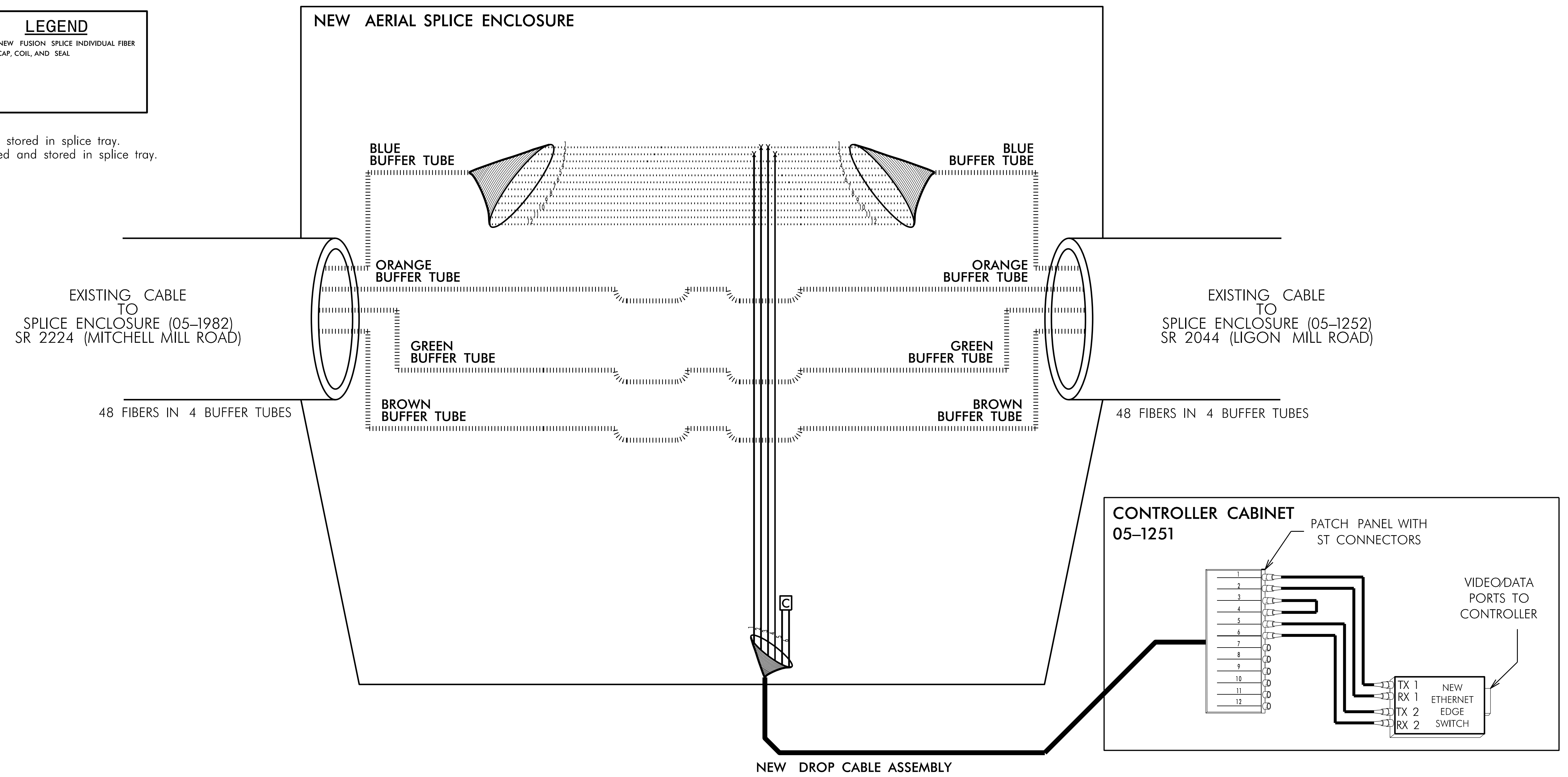
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NEW AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) AT CROSS-OVER
JUST NORTH OF MITCHELL MILL RD
SIG. INV. # 05-1251

LEGEND

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

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



1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064 TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
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3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1) SPLICE LOCATION
2) DATE
3) COMPANY NAME
4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

 250 N. Greenfield Place, Garner, NC 27529 NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		SEAL H. WANG M. SURTI ENGINEER
	Post-Let Raleigh Signal System Splice Details Division 5 Wake County Raleigh PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti PREPARED BY: A. Raviapati REVIEWED BY:		
SCALE 0 NA N.T.S.	REVISIONS _____ INIT. DATE	DocuSigned by: Hemanth M. Surti 1/24/2023 CADD File name:	

1/24/2023 10:44:00 AM C:\Users\paw.bentl\ey-com\AECOM\0521_NA_2020\Documents\60609754-U-5748_L1\gon.Mit\4000-CAD 0154910-CAD\70-ANDOT-TIP\TR-off\c451\gon\is\05\051\gon\is\42 - Signal Comm\Post Let - 2022\U-5748_sep_pch_17_POST.dgn

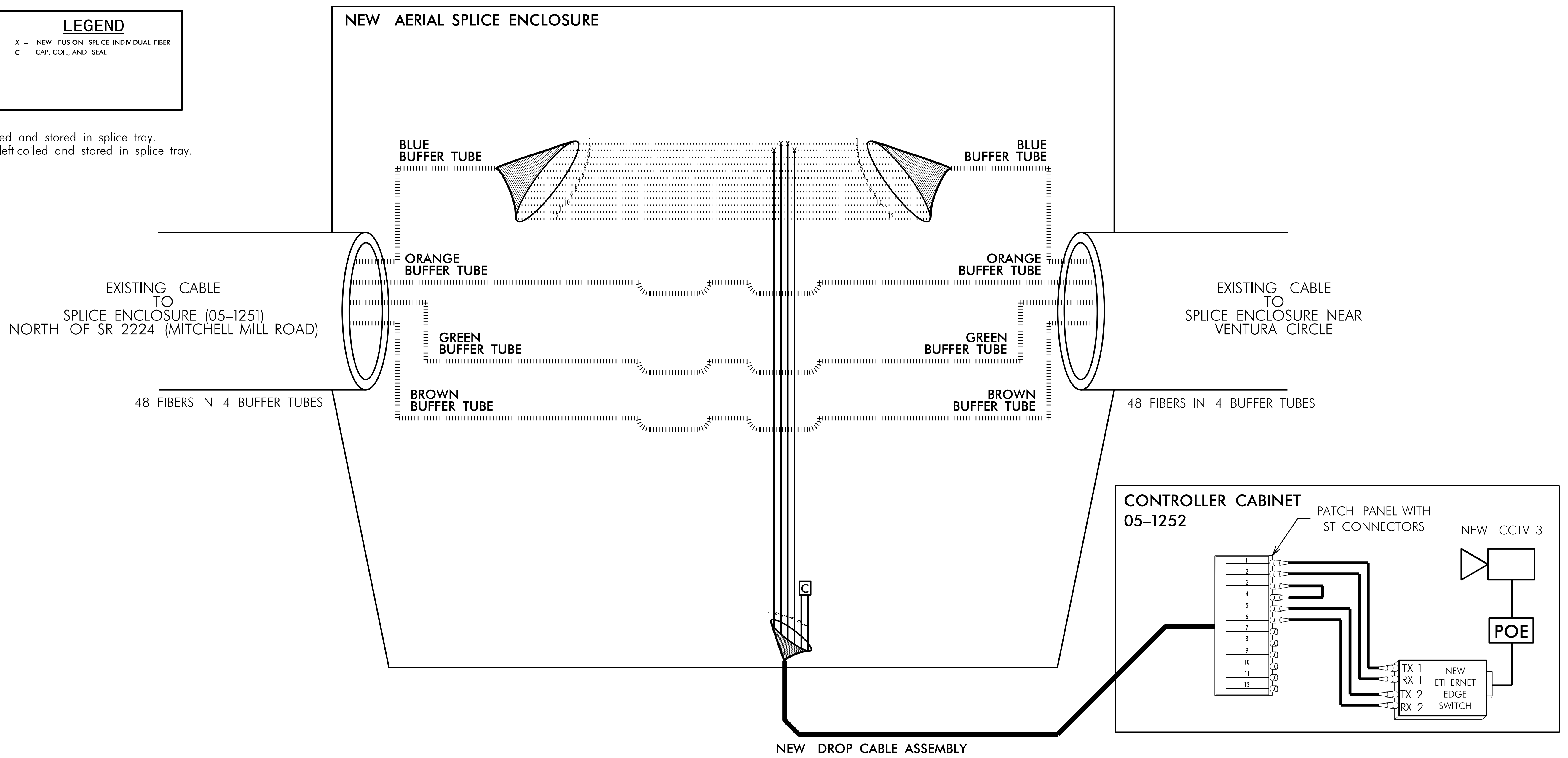
NEW AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) AT
SR 2044 (LIGON MILL ROAD)
SIG. INV. # 05-1252

LEGEND

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

X = NEW FUSION SPLICE INDIVIDUAL FIBER
C = CAP, COIL, AND SEAL

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



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NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100

Prepared for the Offices of:

Post-Let
Raleigh Signal System
Splice Details

Division 5 Wake County Raleigh

PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti

PREPARED BY: A. Raviapati REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE: 0 NA N.T.S.

SEAL

DocuSigned by:
Hwang M. Surti 1/24/2023
CADD File name:

1/24/2023 10:44:00 AM C:\Users\paw.bentl\ey-com\AECOM\0521_NA_2020\Documents\60609754-U-5748_L1\gon_m\1\4000-CAD_0154910-CAD\70_NGDDT_TIP\TR\offi\c\451\gon\1\4000\0521_NA_2020\0521_NA_2020\0521_NA_2020.dgn

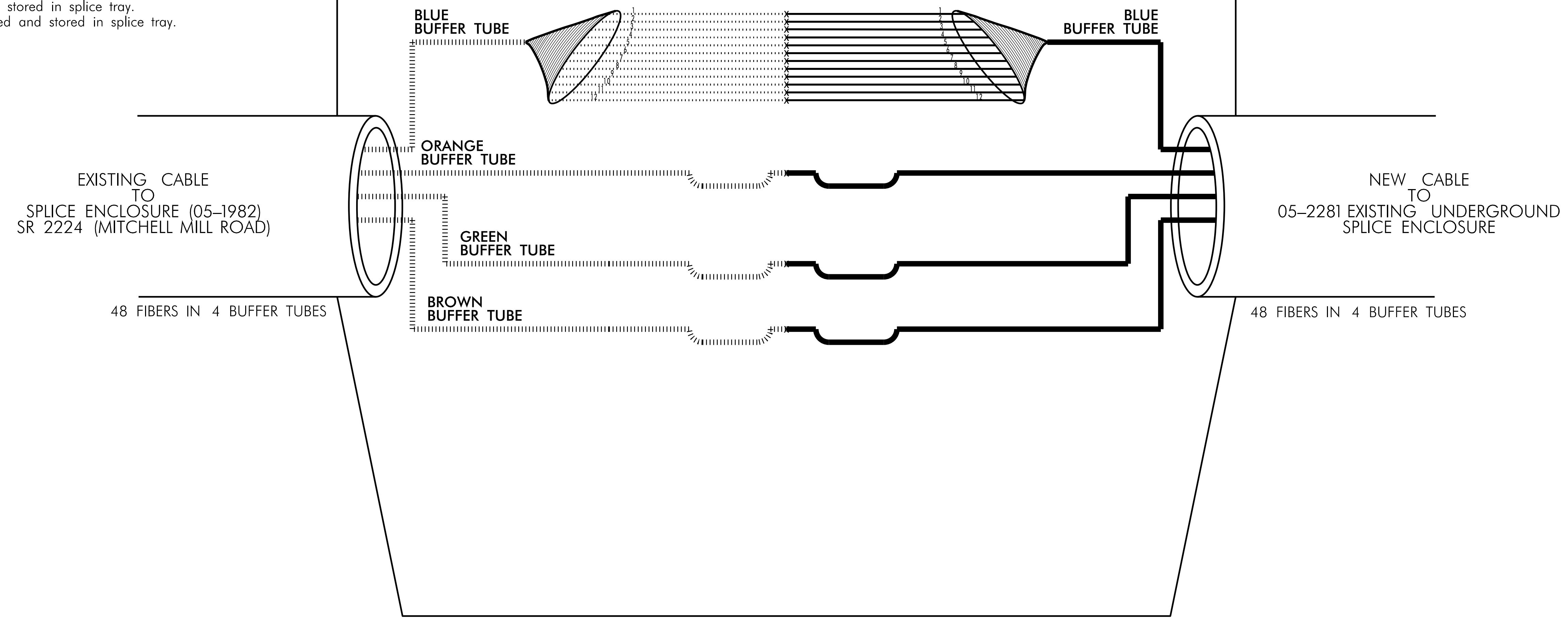
EXISTING AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) NEAR
VENTURA CIRCLE

LEGEND

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

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

MODIFY EXISTING AERIAL SPLICE ENCLOSURE



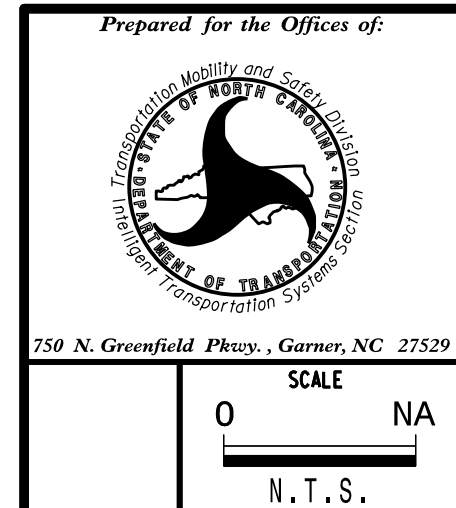
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- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064 TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
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**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



Prepared for the Offices of:		Post-Let Raleigh Signal System Splice Details	
Division 5 Wake County Raleigh		SEAL 034481 H. M. SURTI ENGINEER	
PLAN DATE: Jan 2023	REVIEWED BY: H.M. Surti	INIT.	DATE
PREPARED BY: A. Ravipti	REVIEWED BY:		
REVISIONS			

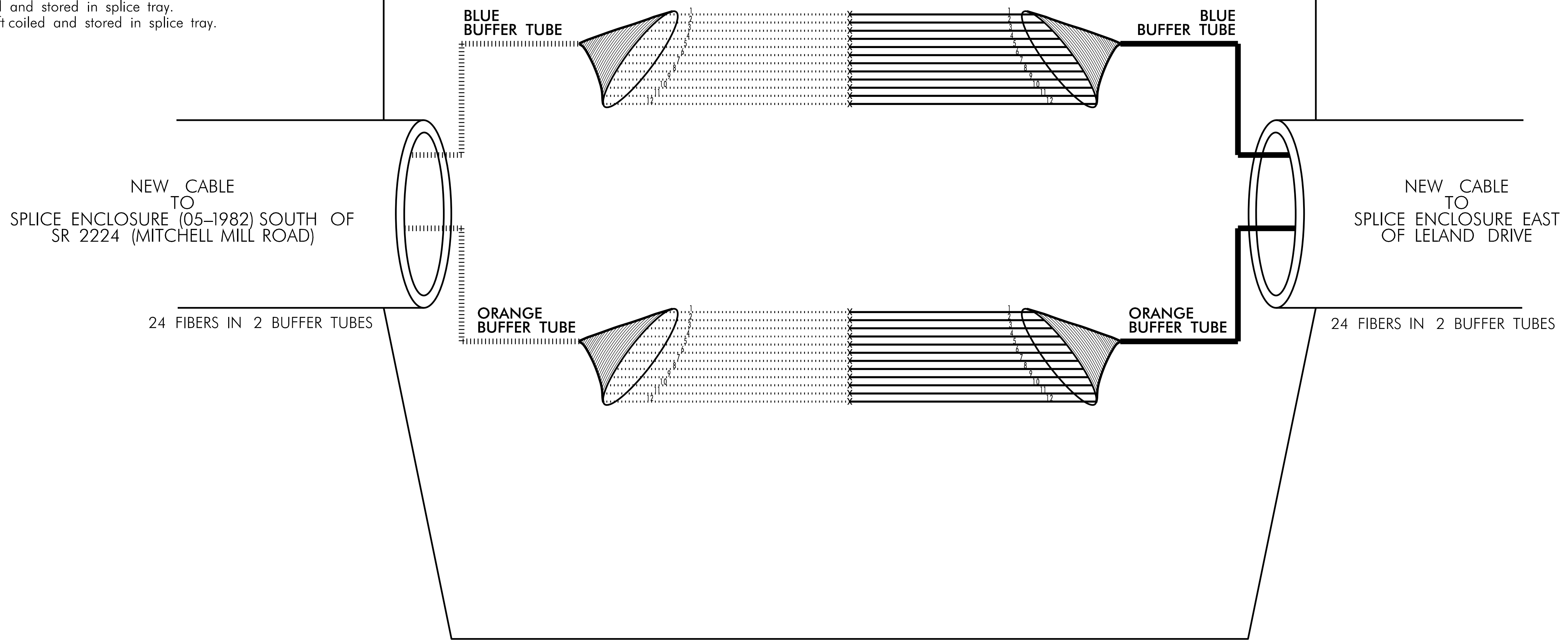
DocuSigned by:
Hemang M. Surti 1/24/2023
CADD File name:

EXISTING AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) NEAR
VENTURA CIRCLE
RALEIGH CITY IT

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
(3) GREEN	(9) YELLOW		
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MODIFY EXISTING AERIAL SPLICE ENCLOSURE

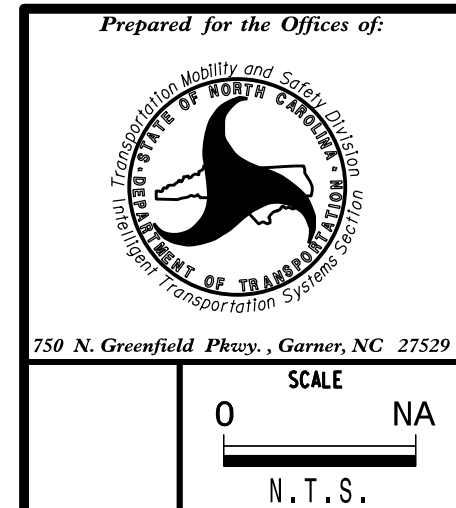


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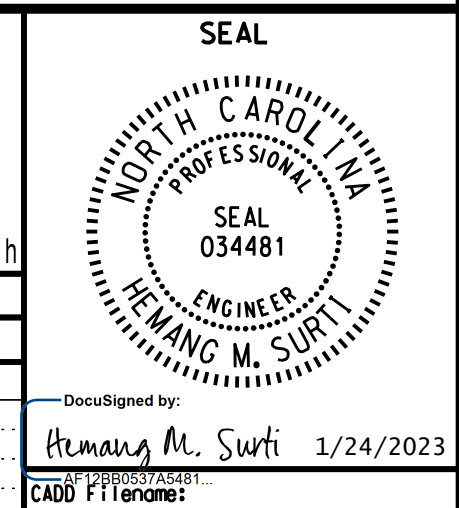
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Prepared for the Offices of:		Post-Let Raleigh Signal System Splice Details City IT	
Division 5		Wake County	Raleigh
PLAN DATE:	Jan 2023	REVIEWED BY:	H.M. Surti
PREPARED BY:	A. Raviapati	REVIEWED BY:	
REVISIONS		INIT.	DATE

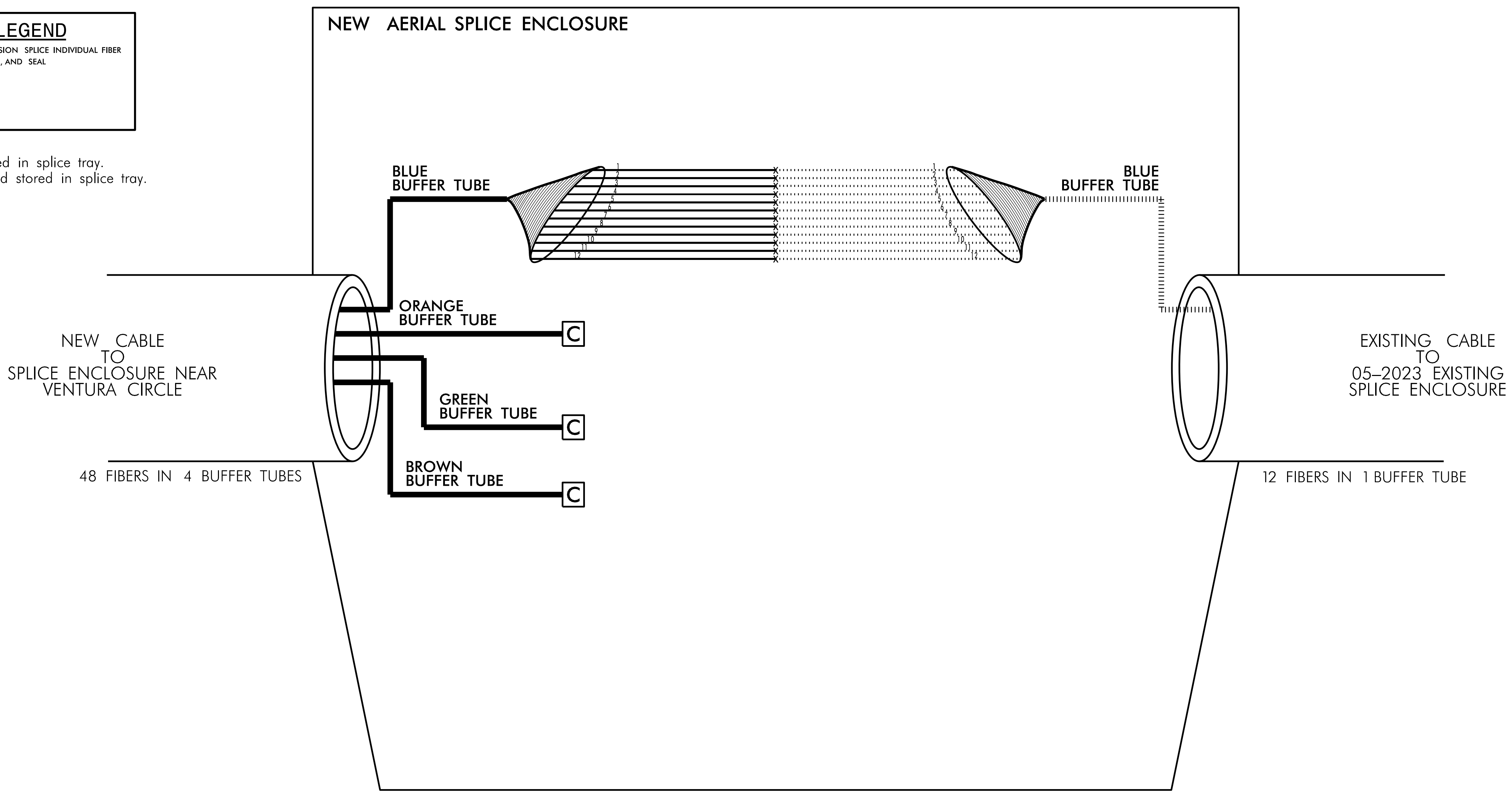


DocuSigned by:
Hemang M. Surti 1/24/2023
CADD File name:

NEW AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) EAST
OF LELAND DRIVE

COLOR CODE		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
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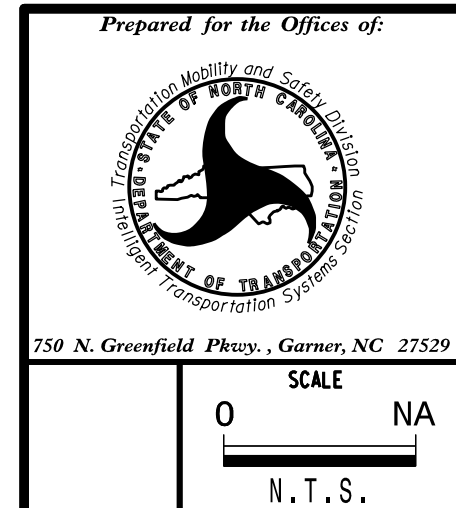


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Division 5 Wake County Raleigh		SEAL 034481 H. M. SURTI ENGINEER	
PLAN DATE: Jan 2023	REVIEWED BY: H.M. Surti	REVISIONS	INIT. DATE
PREPARED BY: A. Raviapati	REVIEWED BY:		
SCALE: 0 NA		N.T.S.	

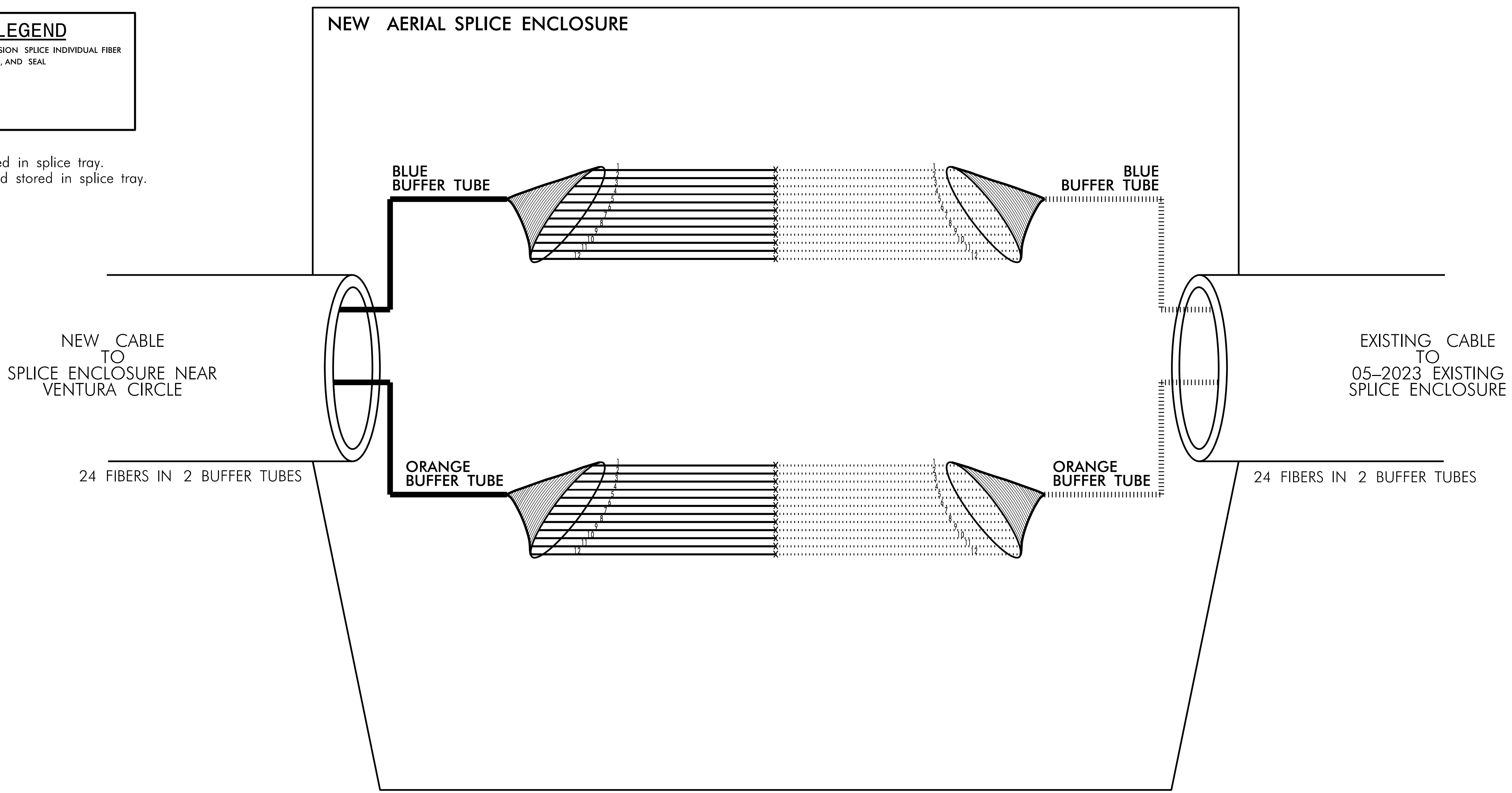
DocuSigned by:
Hemang M. Surti 1/24/2023
CADD Filtername:

NEW AERIAL SPLICE ENCLOSURE
US 401 (LOUISBURG ROAD) EAST
OF LELAND DRIVE
RALEIGH CITY IT

LEGEND

COLOR CODE TIA/EIA 598-A	X = NEW FUSION SPLICE INDIVIDUAL FIBER C = CAP, COIL, AND SEAL
(1) BLUE (7) RED	
(2) ORANGE (8) BLACK	
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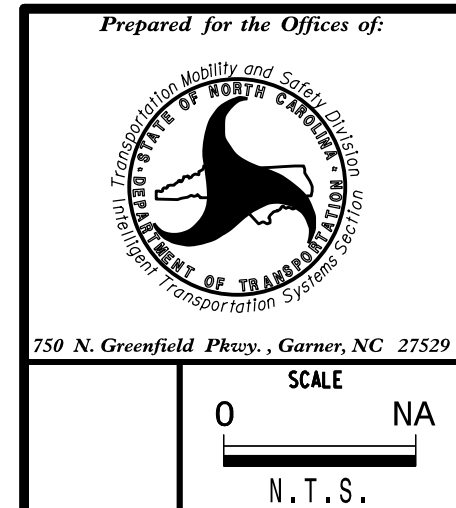


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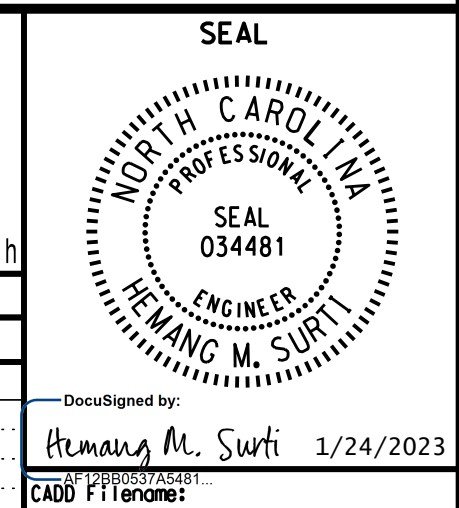
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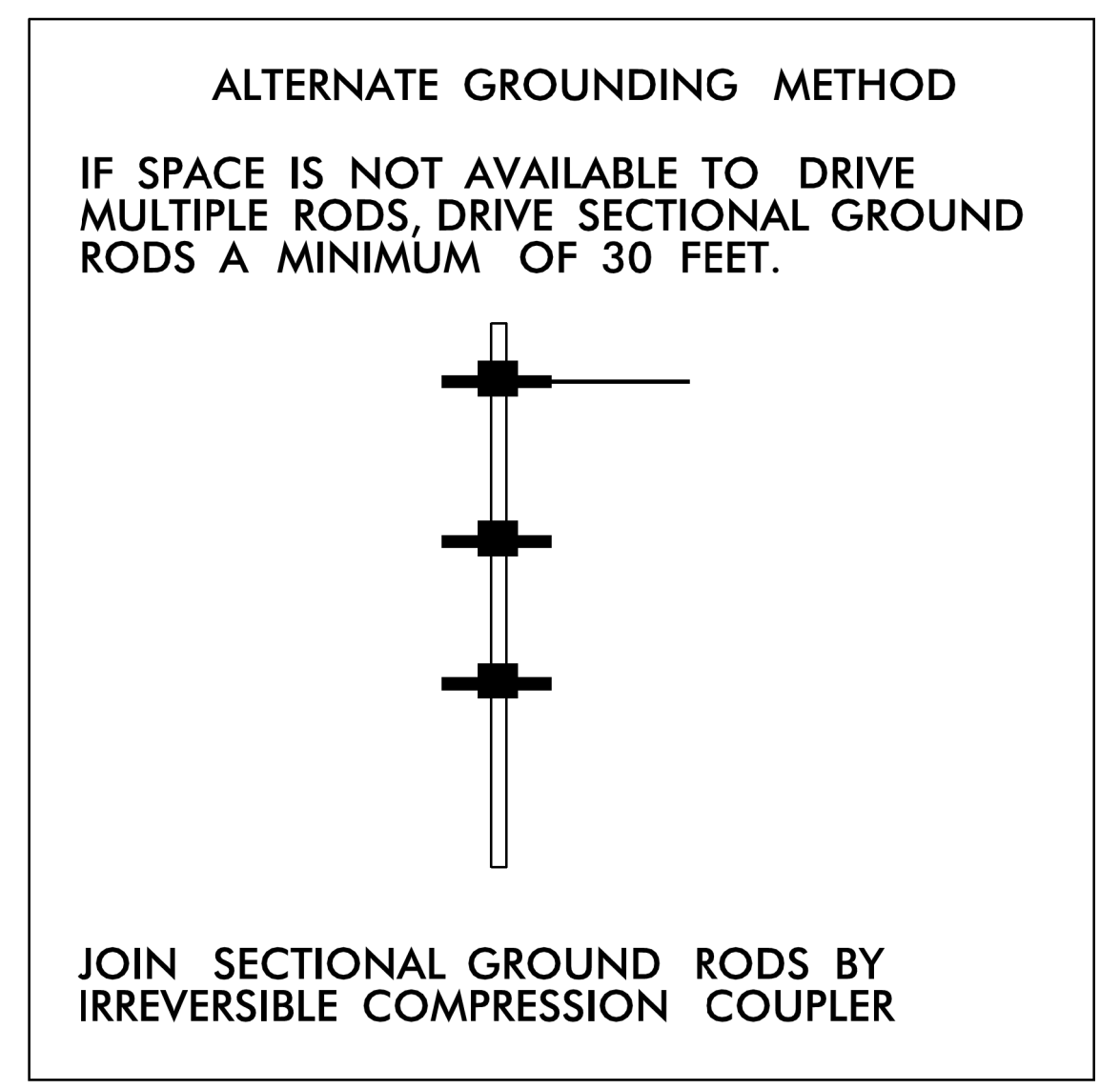
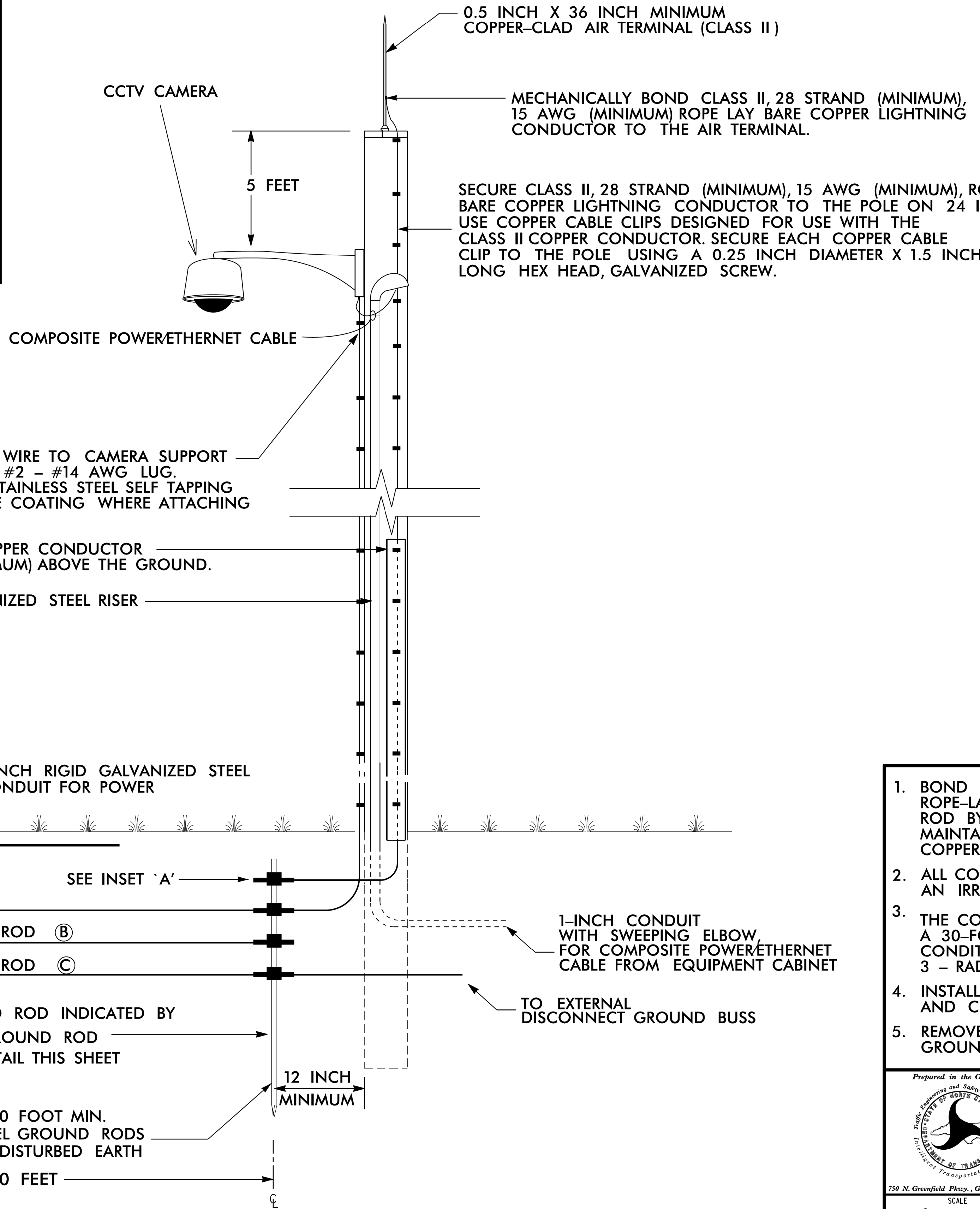
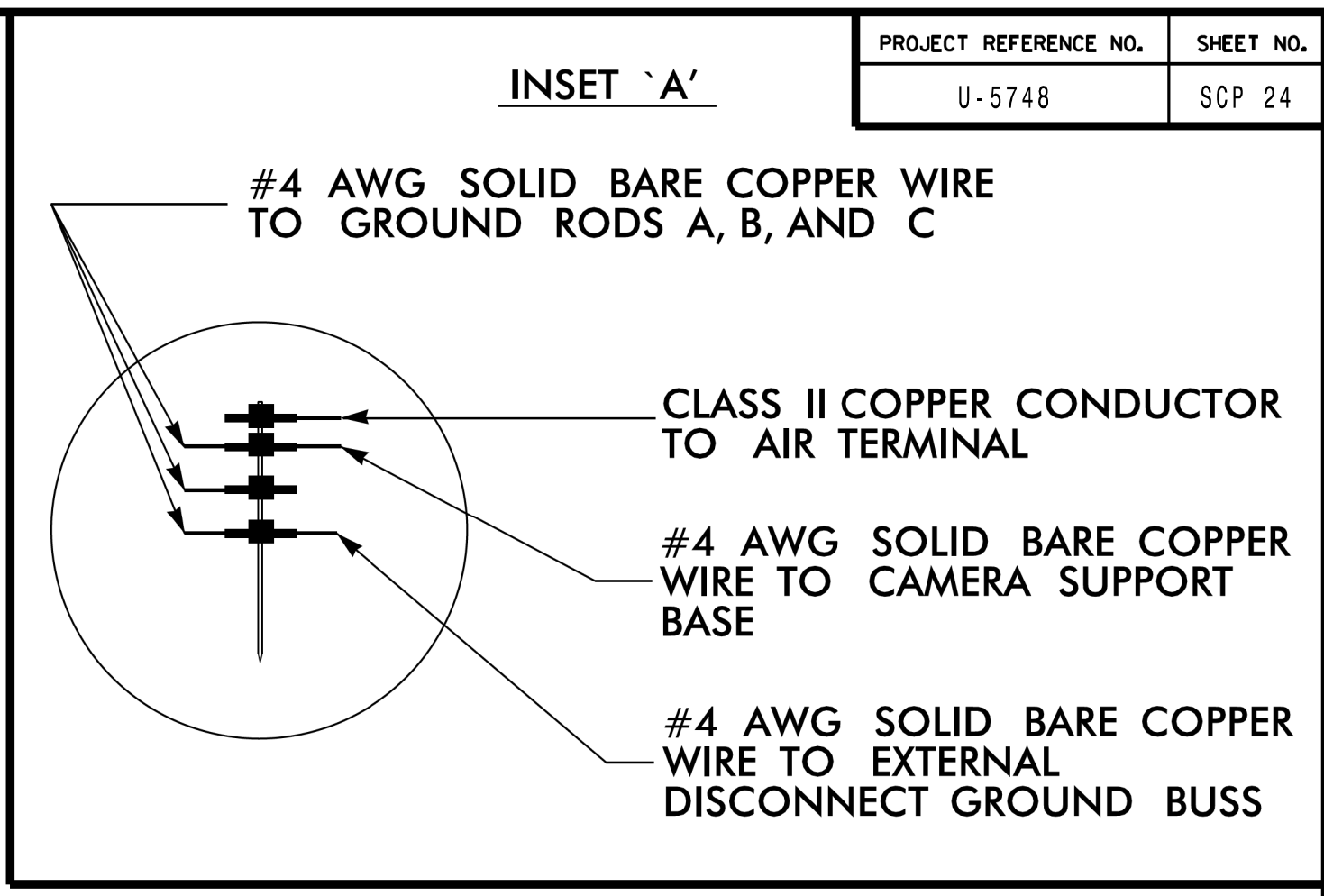
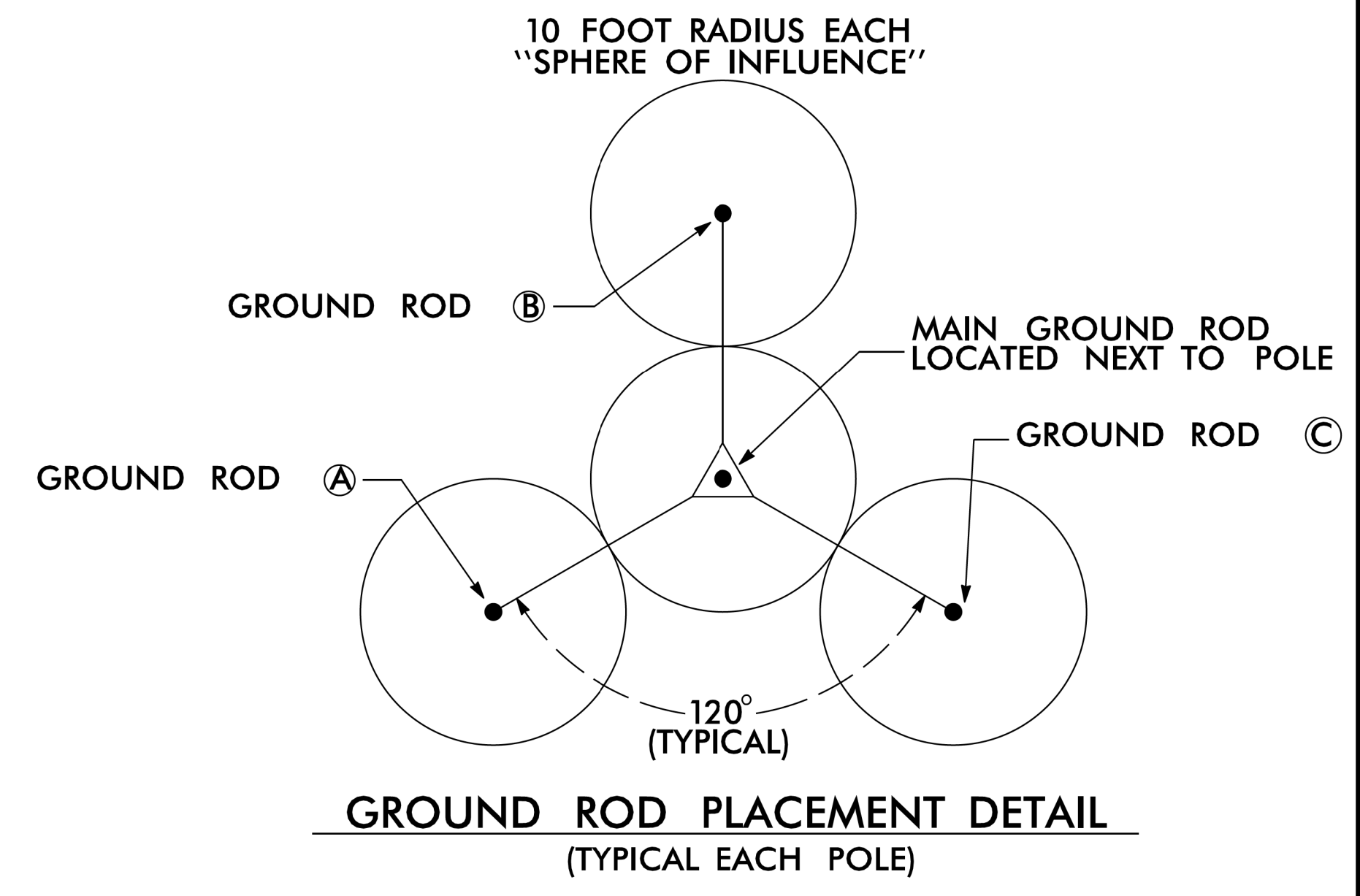
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Prepared for the Offices of:		Post-Let Raleigh Signal System Splice Details City IT	
Division 5		Wake County	Raleigh
PLAN DATE:	Jan 2023	REVIEWED BY:	H.M. Surti
PREPARED BY:	A. Raviapati	REVIEWED BY:	
REVISIONS		INIT.	DATE

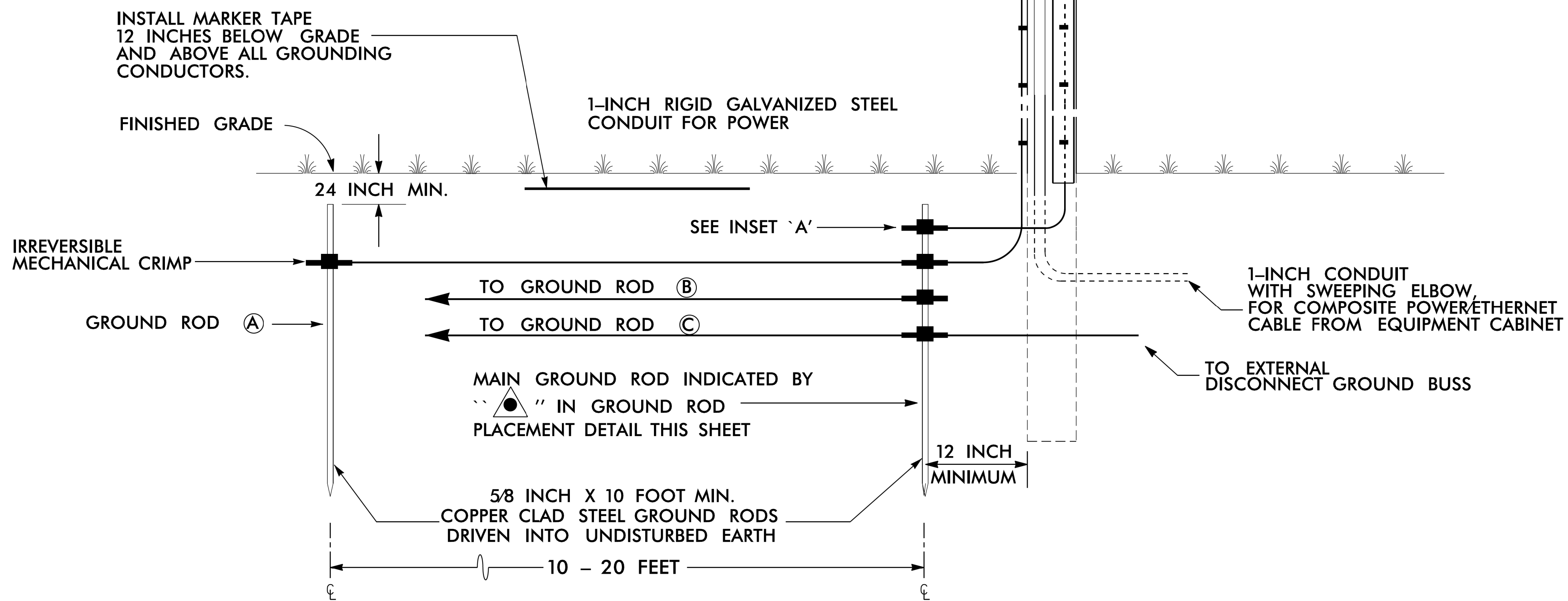


DocuSigned by:
H. M. Surti 1/24/2023
CADD File name:



NOTES

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.



	CCTV CAMERA INSTALLATION FOR WOOD POLES		SEAL
	TYPICAL DETAIL		034481
	PLAN DATE: JANUARY 2008 PREPARED BY:	REVIEWED BY:	DATE: 1/24/2023
SCALE: NONE	REVISIONS: 2018 STANDARD SPECIFICATIONS UPGRADE TO IRREVERSIBLE MECHANICAL CRIMP	INIT.: A.J.S.	DATE: 1/20/17
CADD FILE NAME:			DATE: