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INSTALL CABINET FOUNDATION

1	INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
<u></u>	INSTALL REA, PE = 38, (FIGURE = 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
3	INSTALL REA, PE = 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
4	INSTALL SMFO CABLE
5	INSTALL MMFO CABLE
6	INSTALL FIBER OPTIC DROP CABLE ASSEMBLY
7	INSTALL TRACER WIRE
8	TRENCH
9	INSTALL PVC CONDUIT
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT
$\overline{11}$	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
14	INSTALL POLYETHYLENE CONDUIT
15	DIRECTIONAL DRILL CONDUIT
16	BORE AND JACK CONDUIT
17	INSTALL CABLE(S) IN EXISTING CONDUIT
18	INSTALL CABLE(S) IN NEW CONDUIT
19	INSTALL CABLE(S) IN EXISTING RISER
20	INSTALL CABLE(S) IN NEW RISER
21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS
22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
(24)	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
26	INSTALL FIBER-OPTIC VIDEO/DATA TRANCEIVER
27	INSTALL FIBER-OPTIC TRANCEIVER - DROP AND REPEAT
28>	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET
29	INSTALL UNDERGROUND SPLICE ENCLOSURE
30>	MODIFY EXISTING SPLICE ENCLOSURE
31	INSTALL POLE MOUNTED SPLICE CABINET
32	INSTALL BASE MOUNTED SPLICE CABINET
33	REMOVE EXISTING SPLICE CABINET

35	REMOVE EXISTING CABINET FOUNDATION
36	INSTALL CCTV CAMERA ASSEMBLY
37	INSTALL CCTV CAMERA WOOD POLE
38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
39	INSTALL JUNCTION BOX
40	INSTALL OVERSIZED JUNCTION BOX
41	REMOVE EXISTING JUNCTION BOX
42	INSTALL WOOD POLE
43	REMOVE EXISTING WOOD POLE
44	INSTALL AERIAL GUY ASSEMBLY
45	INSTALL STANDARD GUY ASSEMBLY
46	INSTALL SIDEWALK GUY ASSEMBLY
47	INSTALL MESSENGER CABLE
48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
49	REMOVE EXISTING COMMUNICATIONS CABLE
50	INSTALL CELL MODEM
51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
52	INSTALL DELINEATOR MARKER
53	STORE 30 FEET OF COMMUNICATIONS CABLE
54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
56	LASH CABLE(S) TO NEW MESSENGER CABLE
57	MODIFY EXISTING ELECTRICAL SERVICE
	INICTALL NIEWY ELECTRICAL CERVICE

INSTALL NEW ELECTRICAL SERVICE

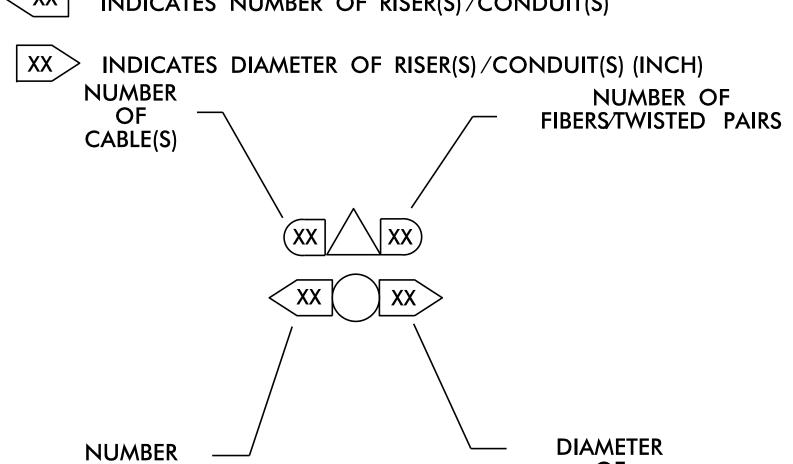
INSTALL NEW POLE MOUNTED CCTV CABINET

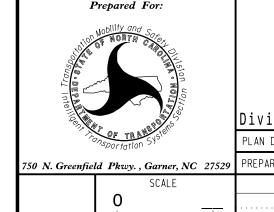
BOND TRACER WIRE TO EQUIPMENT GROUND BUS

PROJECT REFERENCE NO. U-5710A <u>LEGEND</u> NEW FIBER OPTIC COMMUNICATIONS CABLE NEW TWISTED PAIR COMMUNICATIONS CABLE EXISTING COMMUNICATIONS CABLE EXISTING COMMUNICATIONS CABLE TO BE REMOVED NEW AERIAL GUY ASSEMBLY NEW CONDUIT EXISTING CONDUIT NEW DIRECTIONAL DRILLED CONDUIT NEW BORED AND JACKED CONDUIT NEW JUNCTION BOX EXISTING JUNCTION BOX NEW WOOD POLE EXISTING WOOD POLE NEW UNDERGROUND SPLICE ENCLOSURE NEW METAL POLE EXISTING METAL POLE NEW CCTV CAMERA ASSEMBLY EXISTING CCTV CAMERA ASSEMBLY NEW STANDARD GUY ASSEMBLY NEW STANDARD GUY USING EXISTING ANCHOR NEW SIDEWALK GUY ASSEMBLY NEW CABLE STORAGE RACKS (SNOW SHOES) EXISTING CONTROLLER AND CABINET EXISTING SPLICE CABINET S NEW SPLICE CABINET SIGNAL POLE XX-XXXX SIGNAL INVENTORY NUMBER CONSTRUCTION NOTE SYMBOLOGY KEY INDICATES NUMBER OF CABLES, LOOPS, ETC. INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC. INDICATES NUMBER OF RISER(S)/CONDUIT(S)

SHEET NO.

SCP-1





RISER(S)/CONDUIT(S)

RISER(S)/CONDUIT(S) (INCH)

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Wilmington REVISIONS INIT. DATE William J. Hamilton 11/08/2021

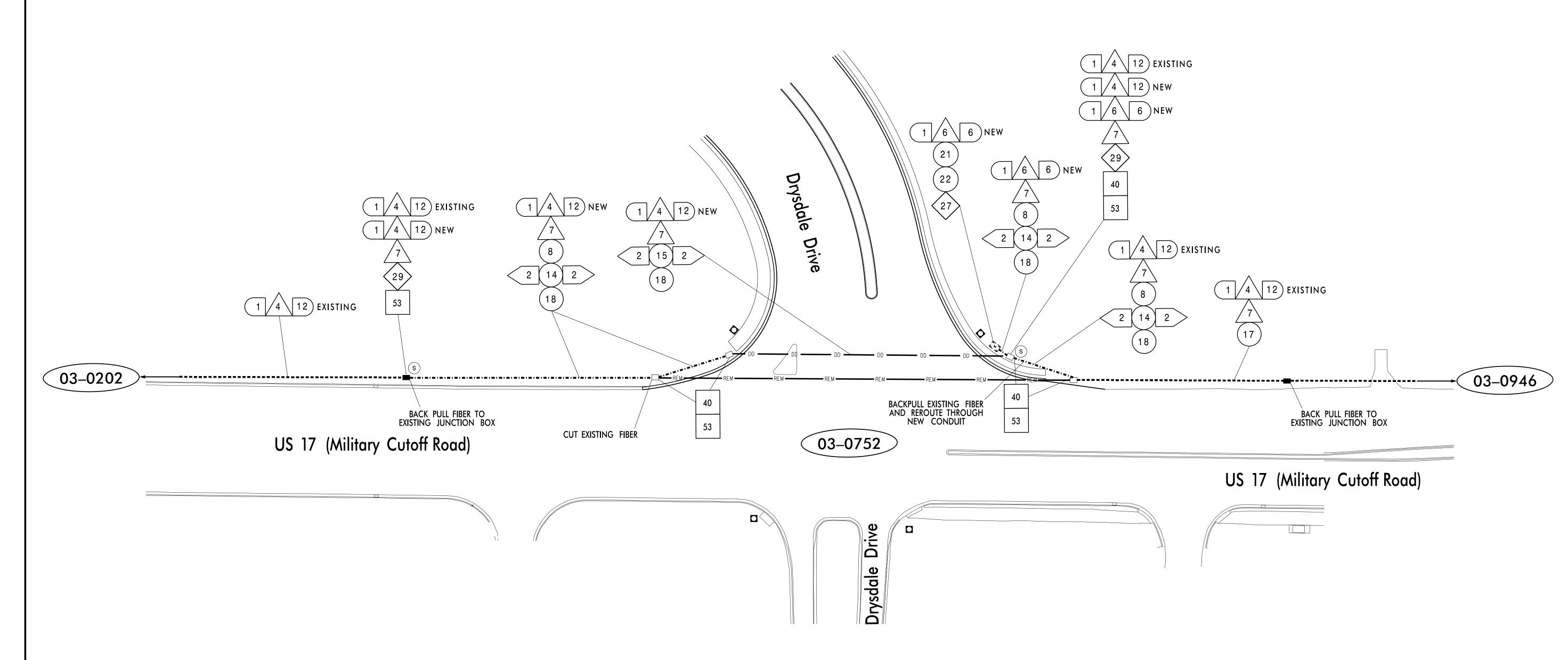
Construction Notes

Division 3 New Hanover County PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton 750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: A. Andrews RKA PROJ NO: 19258 (041)

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DocuSign Envelope ID: BC993C83-7488-4378-9D99-61583583DEA0

PROJECT REFERENCE NO. U-5710A



NOTES:

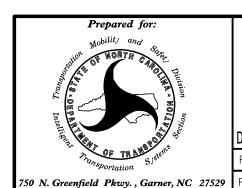
1) NOTIFY THE CITY OF WILMINGTON SIGNAL SYSTEMS ENGINEER, DENYS VIELKANOWITZ, AT 910–341–4676 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE CITY OF WILMINGTON SIGNAL SYSTEMS ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.

2) RESTORE COMMUNICATIONS WITHIN 24 HOURS IF THE FIBER OPTIC CABLE IS CUT OR NOT COMMUNICATING PROPERLY DURING CONSTRUCTION.

3) 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.

4) CONTRACTOR SHALL ENSURE THAT SYSTEM DOWN TIME IS MINIMIZED DURING SPLICING OF NEW FIBER.

5) ALL JUNCTION BOX LIDS TO READ "NCDOT FIBER OPTIC CABLE"



Drysdale Drive at US 17 (Military Cutoff Road) Cable Routing Plan

Division 3 New Hanover County Wilmington PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton RKA PROJ. No.: 19258 (041)

William J. Hamilton

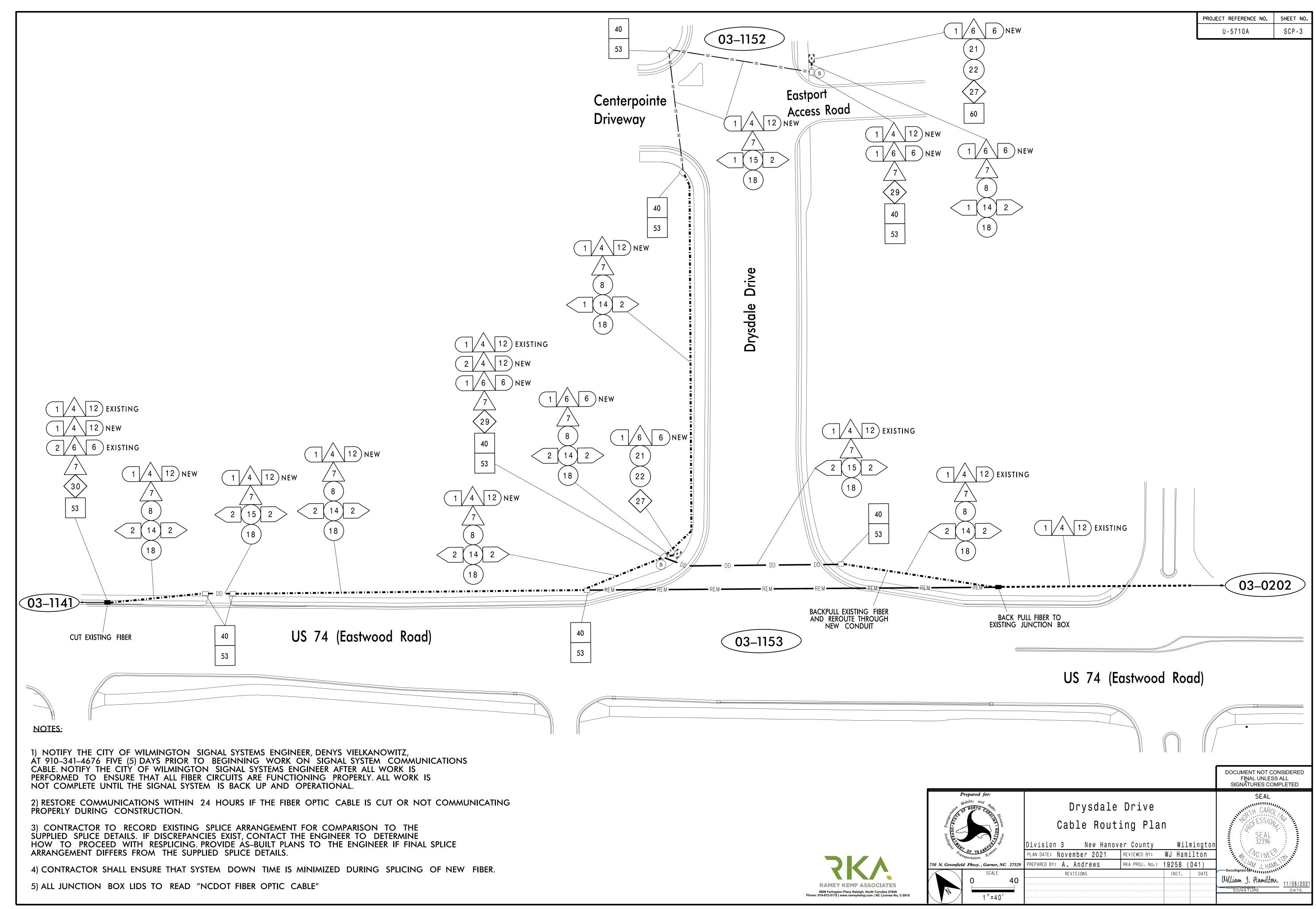
DOCUMENT NOT CONSIDERED

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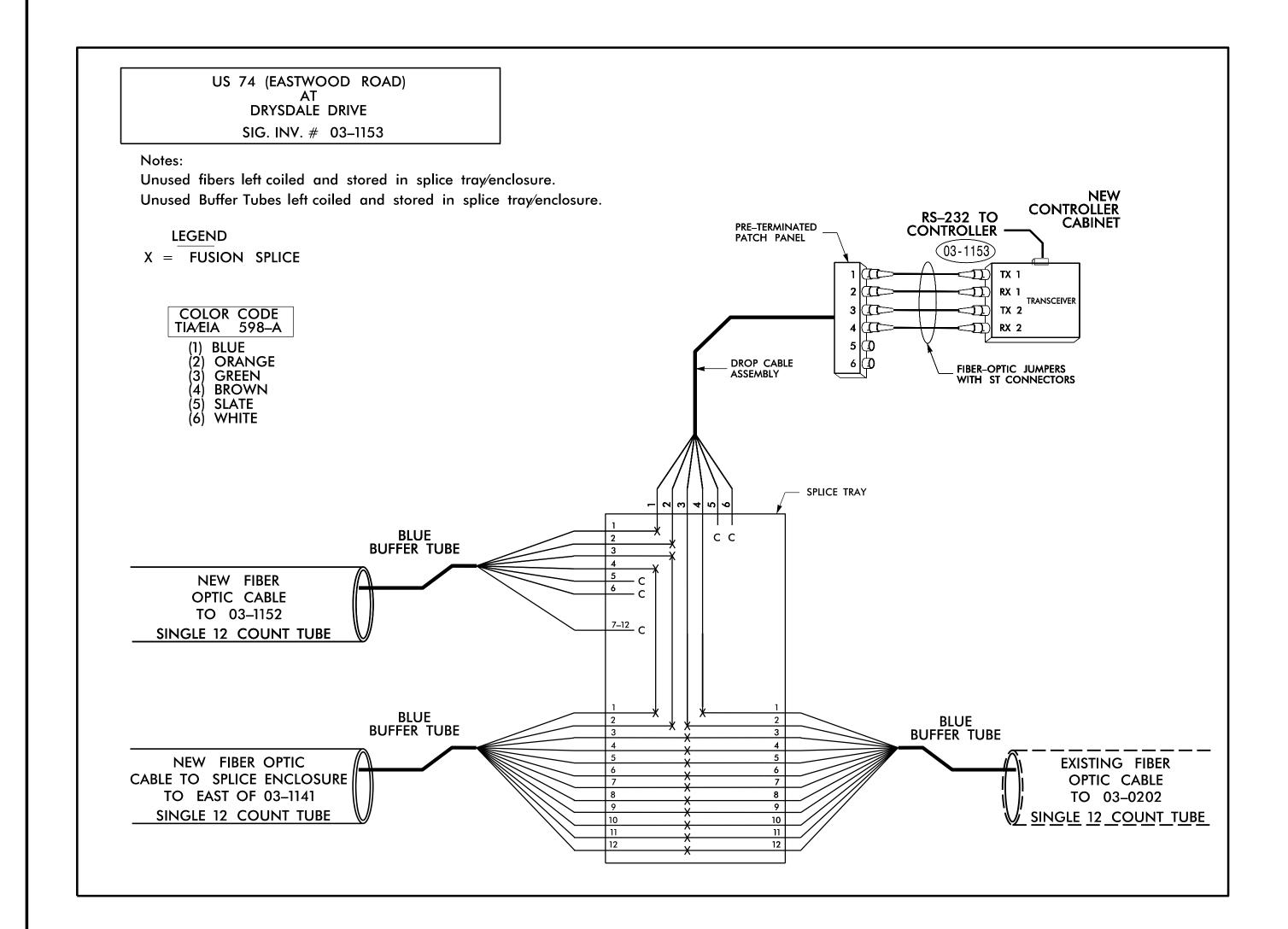
SIGNATURES COMPLETED

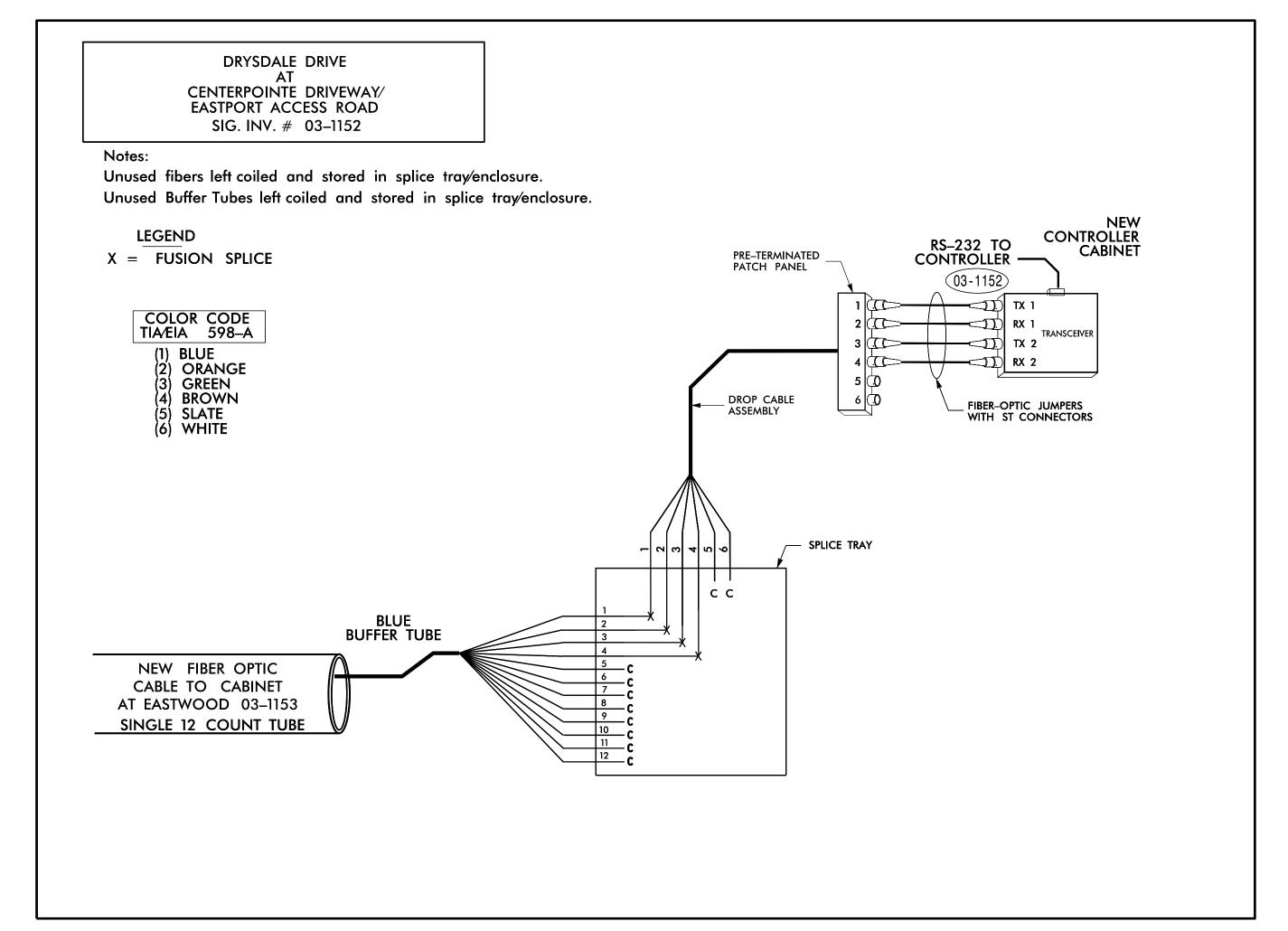
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O N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: A. ANCIPEWS INIT. 1"=40'



PROJECT REFERENCE NO. SHEET NO. U-5710A SCP-4





NOTES:

- 1) NOTIFY THE CITY OF WILMINGTON SIGNAL SYSTEMS ENGINEER, DENYS VIELKANOWITZ, AT 910-341-4676 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE CITY OF WILMINGTON SIGNAL SYSTEMS ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
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- 3) 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.

4) CONTRACTOR SHALL ENSURE THAT SYSTEM DOWN TIME IS MINIMIZED DURING SPLICING OF NEW FIBER.

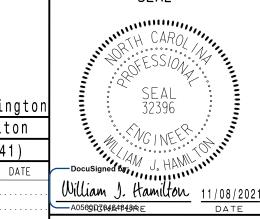




N/A

Splice Details

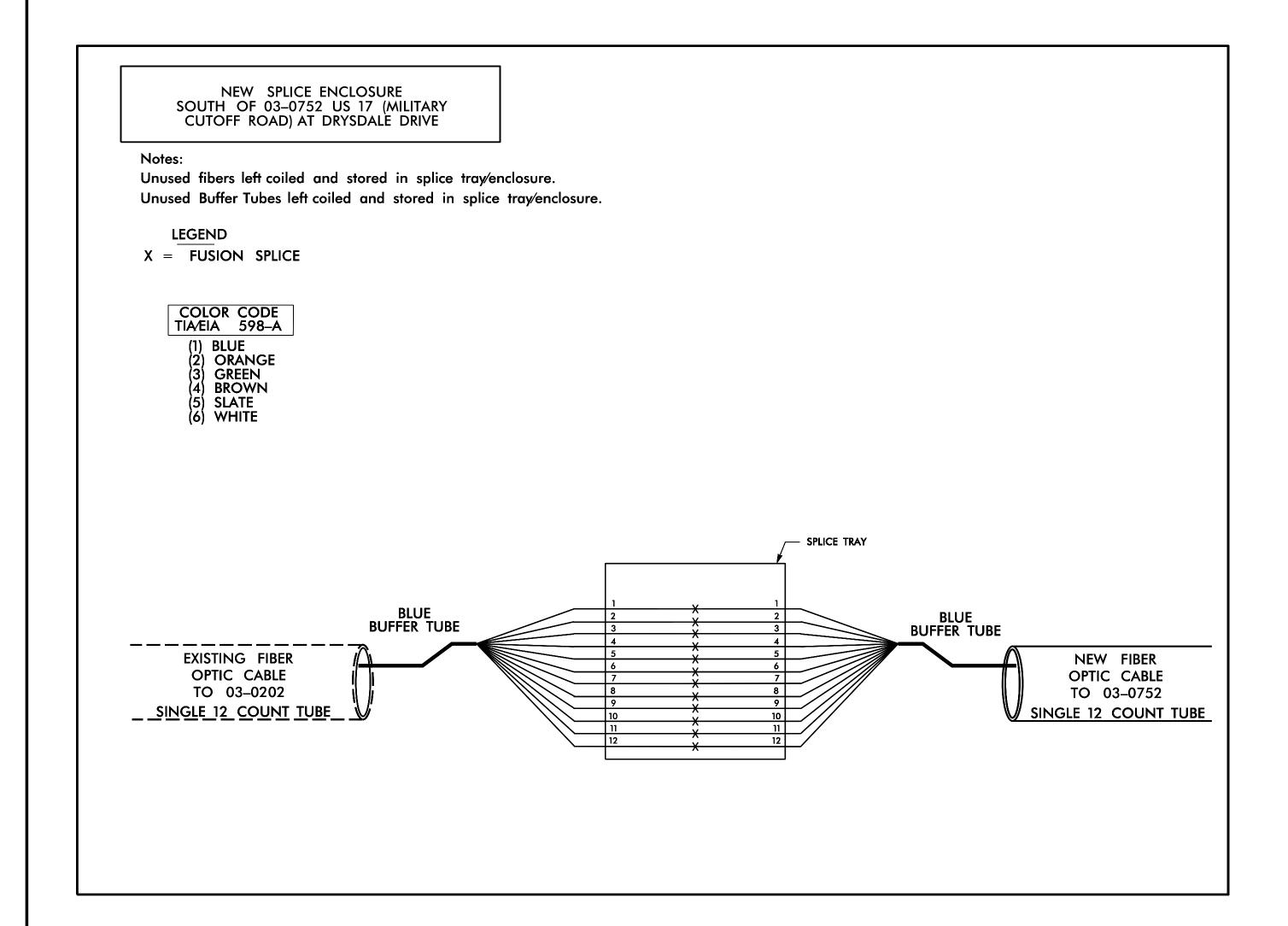
Division 3 New Hanover County Wilmington
PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton
PREPARED BY: A. Andrews RKA PROJ. No.: 19258 (041)
REVISIONS INIT. DATE

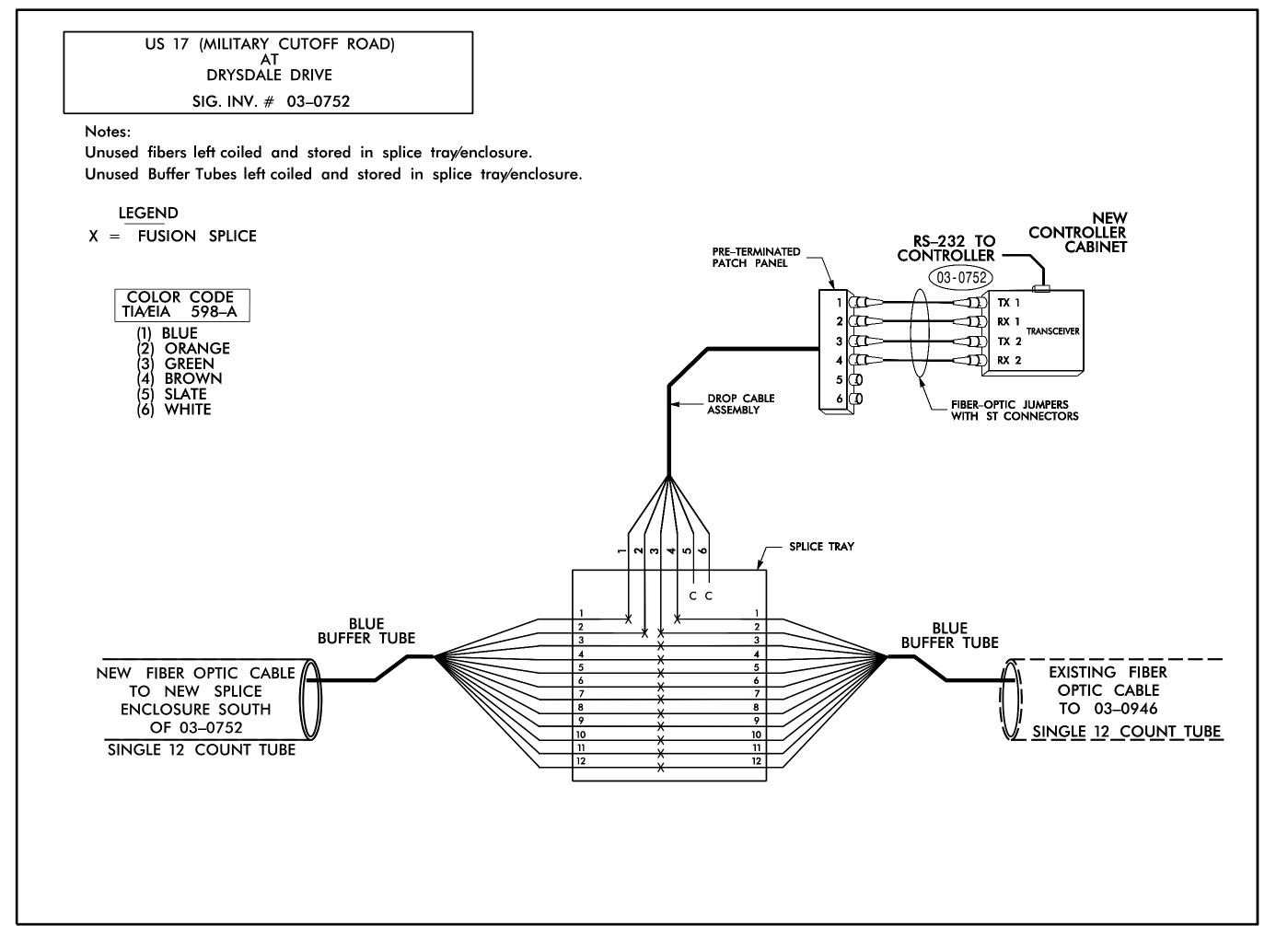


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PROJECT REFERENCE NO. SHEET NO. U-5710A SCP-5





NOTES:

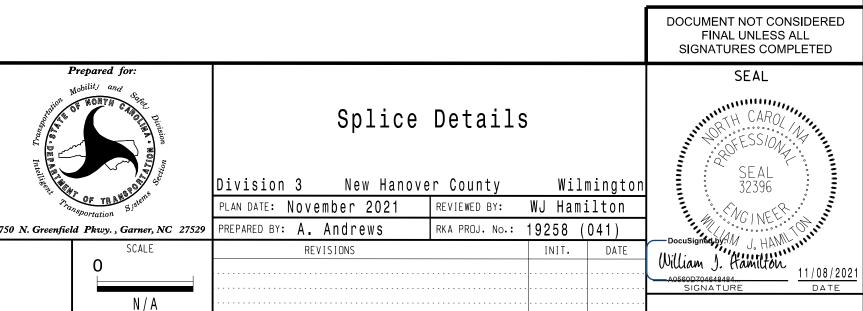
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U-5710A SCP-6

MODIFIED SPLICE ENCLOSURE EAST OF 03–1141 (US 74 AT CAVALIER DRIVE)

Notes:

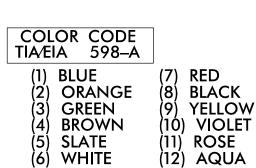
Unused fibers left coiled and stored in splice tray/enclosure.

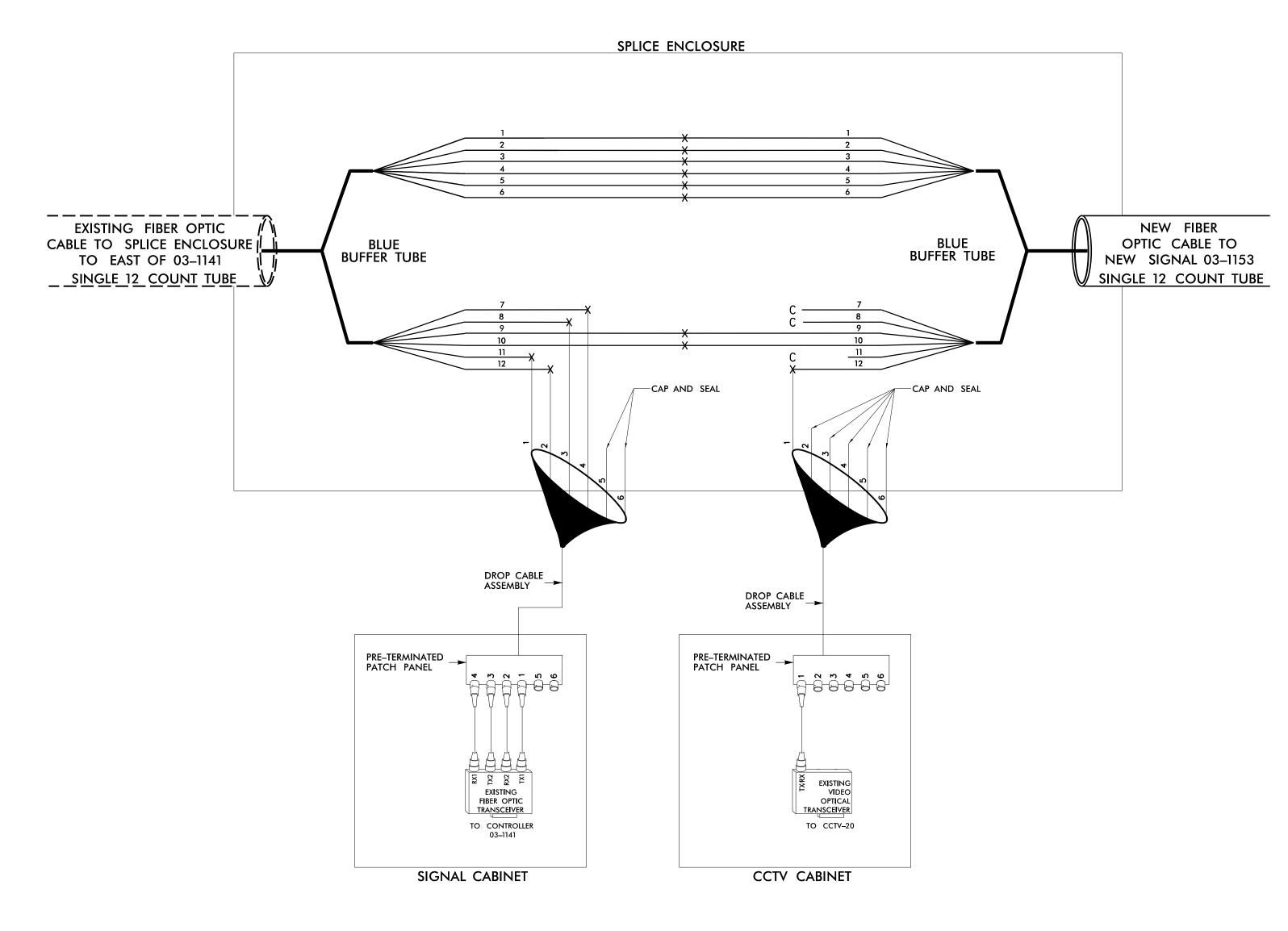
Unused Buffer Tubes left coiled and stored in splice tray/enclosure.

LEGEND

C = CAP AND SEAL

X = FUSION SPLICE





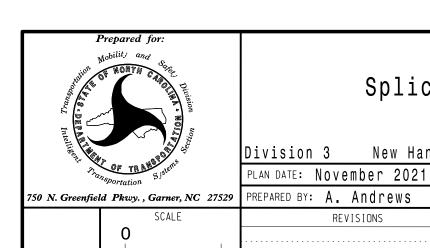
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N/A

Splice Details

Division 3 New Hanover County Wilmington
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PREPARED BY: A. Andrews RKA PROJ. No.: 19258 (041)

REVISIONS INIT. DATE

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