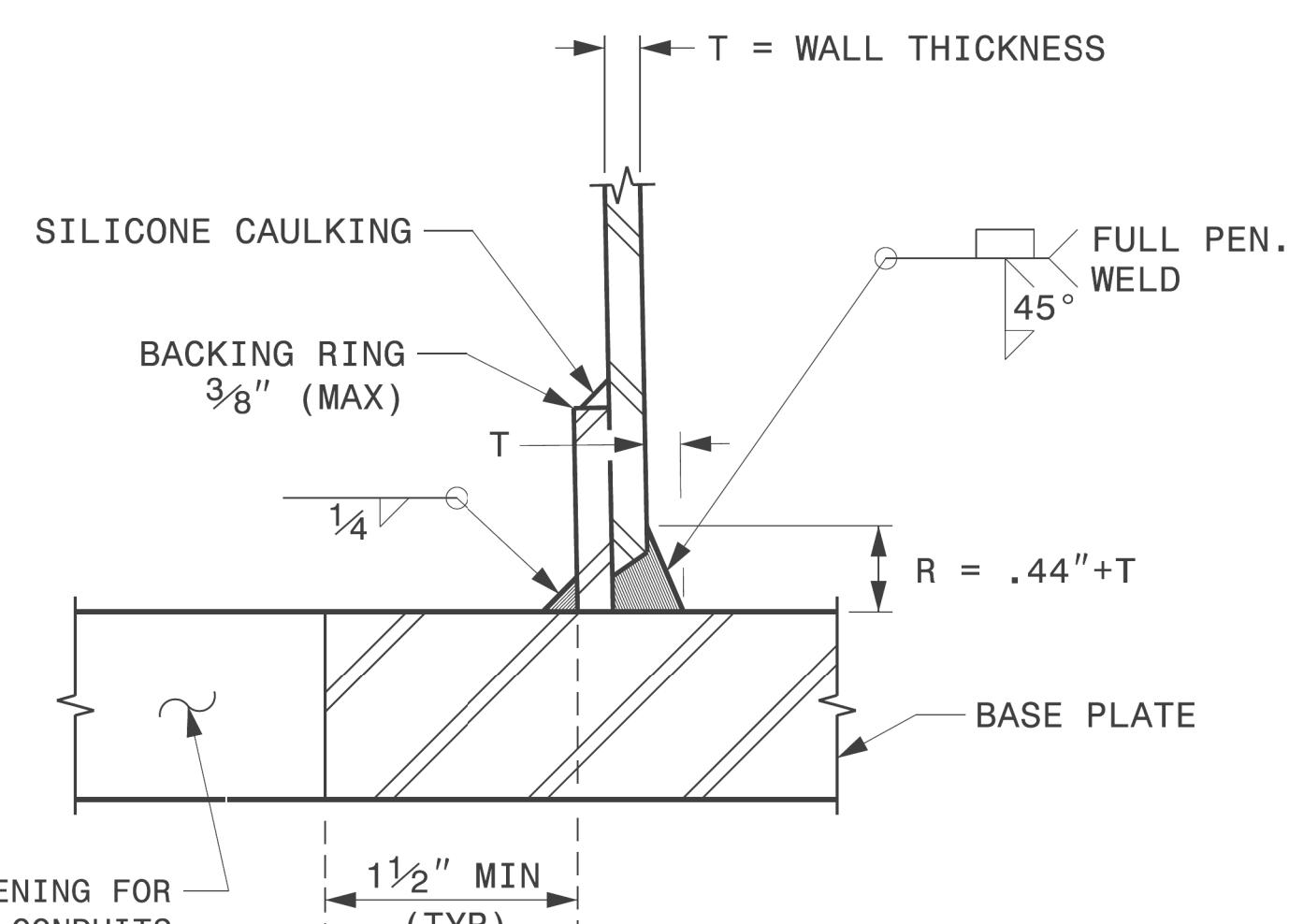


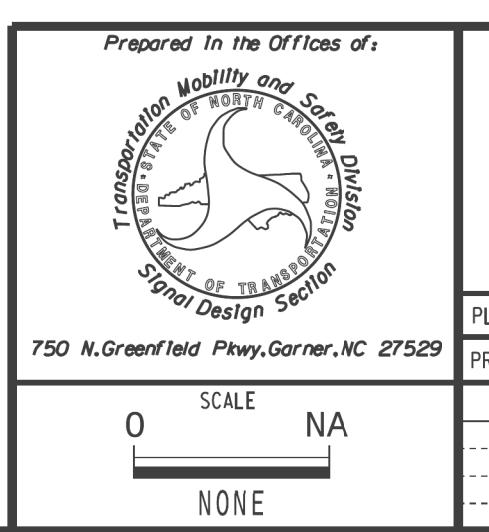
BASE PLATE DETAILS



SECTION D-D

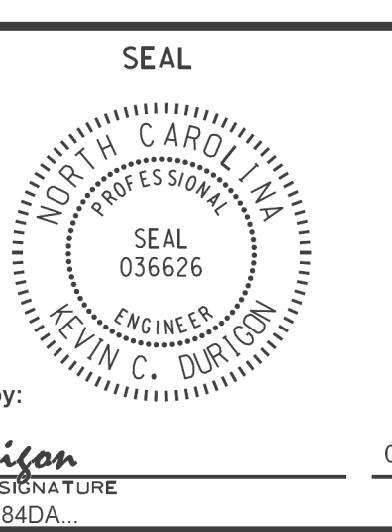
(POLE ATTACHMENT TO BASE PLATE)

FULL-PENETRATION GROOVE WELD DETAIL



Typical Fabrication Details For CCTV Poles

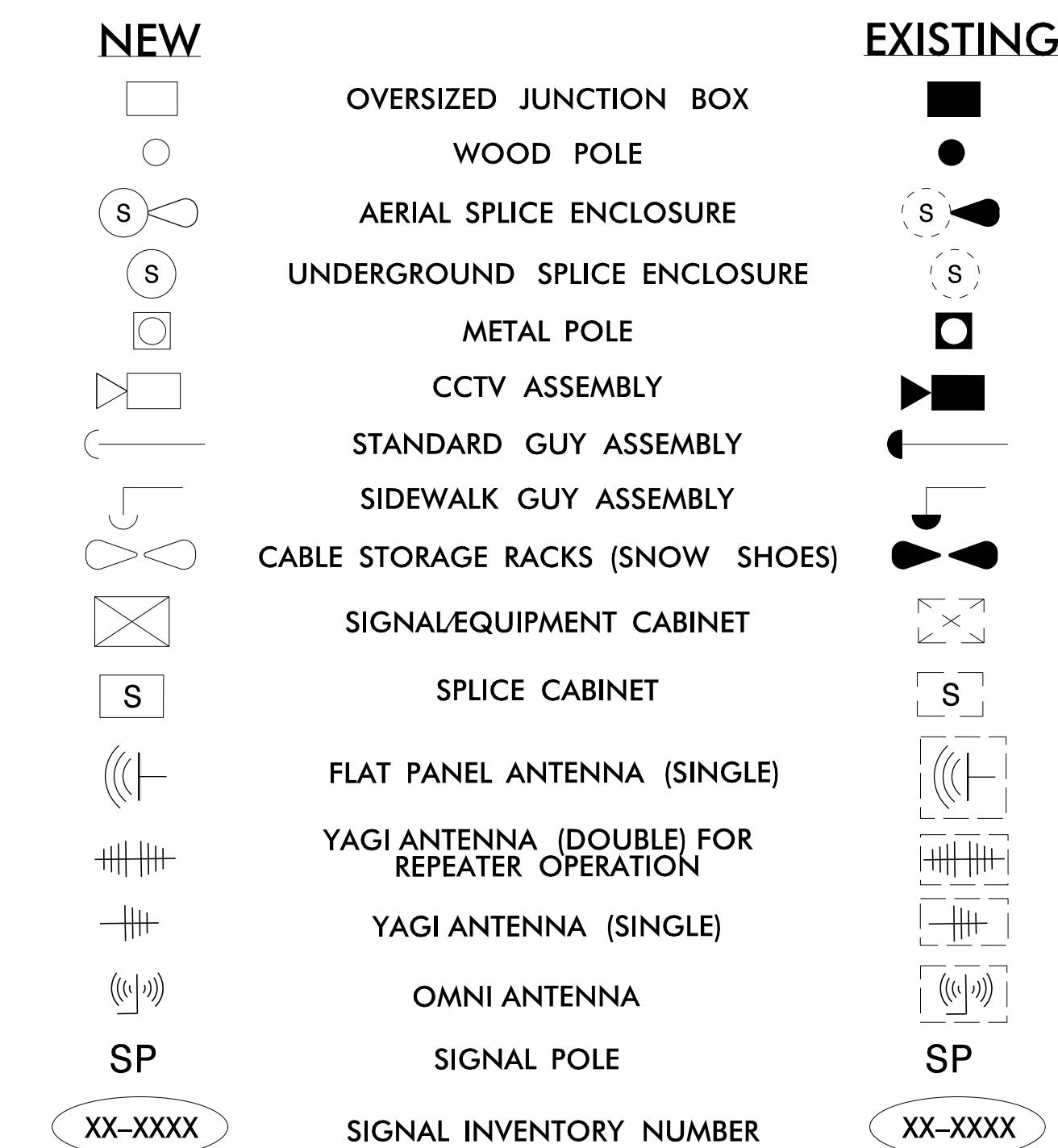
DATE:	SEPTEMBER 2023	DESIGNED BY:	K.C. DURIGON
REVIEWED BY:	K.C. DURIGON	REVIEWED BY:	C.F. ANDREWS
REVISIONS		INIT.	DATE



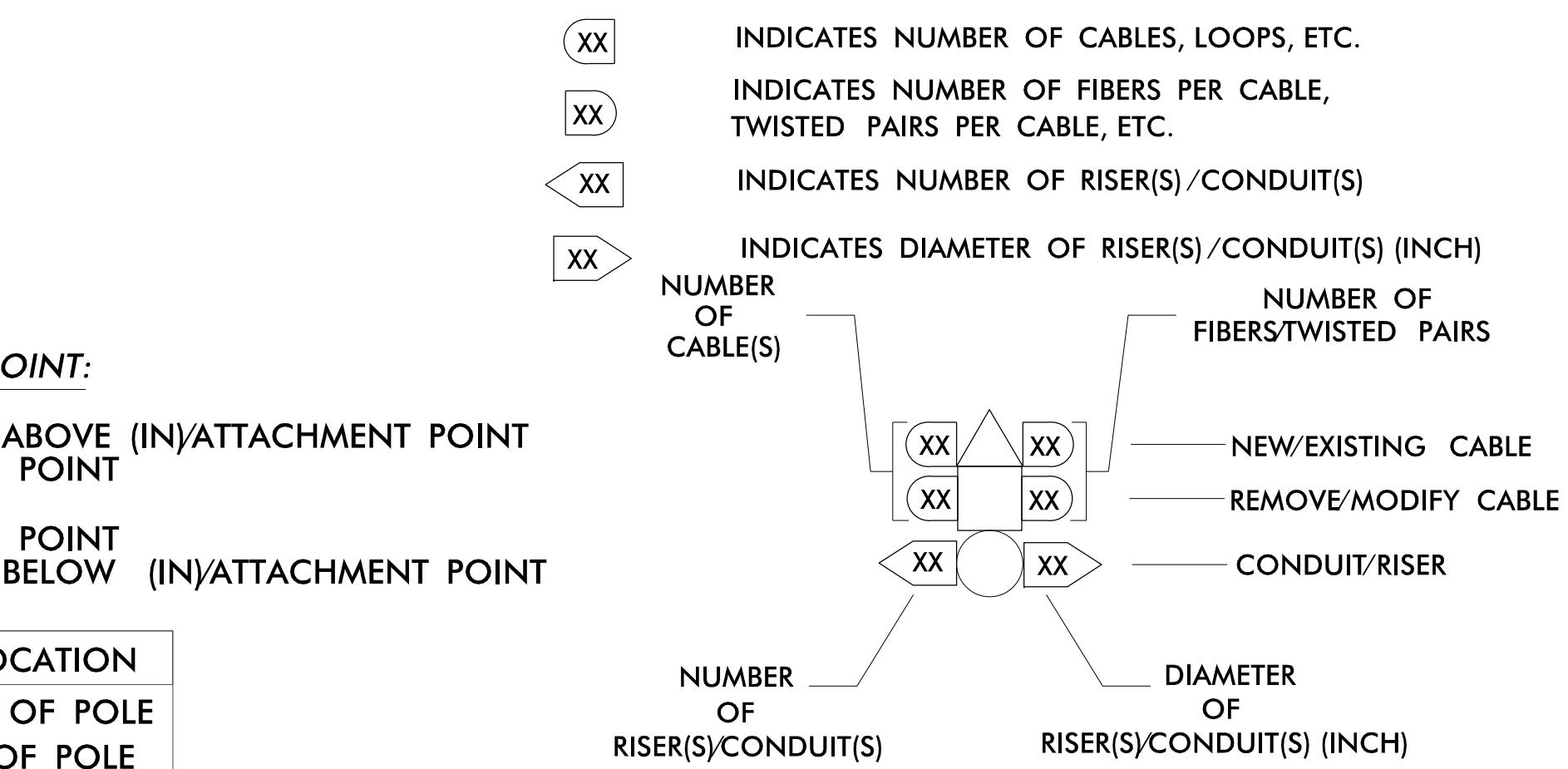
- 1 INSTALL COAX CABLE
- 2 INSTALL ETHERNET CABLE
- 3 EXISTING ETHERNET (OR COAX) CABLE
- 4 INSTALL SMFO CABLE
- 5 EXISTING SMFO CABLE
- 6 INSTALL FIBER OPTIC DROP CABLE
- 6A EXISTING FIBER OPTIC DROP CABLE
- 7 INSTALL TRACER WIRE
- 8 TRENCH
- 9 INSTALL PVC CONDUIT
- 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 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 STUB-OUTS
- 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 NEW ETHERNET EDGE SWITCH
- 27 INSTALL NEW FIBER OPTIC TRANSCEIVER
- 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS
AND FUSION SPLICE CABLE IN CABINET
- 29 INSTALL UNDERGROUND SPLICE ENCLOSURE
- 30 INSTALL AERIAL SPLICE ENCLOSURE
- 31 MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE
- 32 INSTALL POLE MOUNTED SPLICE CABINET
- 33 INSTALL BASE MOUNTED SPLICE CABINET

- 34 INSTALL CABINET FOUNDATION
- 35 INSTALL CCTV CAMERA POLE MOUNTED CABINET
- 36 INSTALL CCTV CAMERA ASSEMBLY
- 37 INSTALL CCTV CAMERA WOOD POLE
- 38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 39 INSTALL JUNCTION BOX
- 40A INSTALL OVERSIZED JUNCTION BOX
- 40B INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")
- 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
- 48A REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE
- 48B REMOVE EXISTING COMMUNICATIONS CABLE
- 49 BACK PULL EXISTING COMMUNICATIONS CABLE
- 50 INSTALL CELL MODEM AND ANTENNA
- 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE
100 FEET OF CABLE
- 52A INSTALL DELINEATOR MARKER
- 52B INSTALL JUNCTION BOX MARKER
- 53A STORE 20 FEET OF COMMUNICATIONS CABLE
- 53B STORE 50 FEET OF EACH COMMUNICATIONS CABLE
- 54 LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE
- 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 56 LASH CABLE(S) TO NEW MESSENGER CABLE
- 57 MODIFY EXISTING ELECTRICAL SERVICE
- 58 INSTALL NEW ELECTRICAL SERVICE
- 59 INSTALL NEW EQUIPMENT CABINET DISCONNECT
- 60 BOND TRACER WIRE TO EQUIPMENT
GROUND BUS
- 61 DO NOT BOND TRACER WIRE TO
EQUIPMENT GROUND BUS
- 62 BOND RISER AND MESSENGER CABLE
TO POLE GROUND
- 63 BOND RISER TO POLE GROUND
- 64 BOND MESSENGER CABLE TO POLE GROUND
- 65 INSTALL HEAT SHRINK TUBING RETROFIT KIT
- 66 INSTALL MOLDABLE DUCT SEAL
- 67 SLACK SPAN

LEGEND	
FO	NEW FIBER OPTIC COMMUNICATIONS CABLE
EXI	EXISTING COMMUNICATIONS CABLE
REM	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
	NEW AERIAL GUY ASSEMBLY
	NEW CONDUIT
	EXISTING CONDUIT
DD	NEW DIRECTIONAL DRILLED CONDUIT



CONSTRUCTION NOTE SYMBOL KEY



ATTACHMENT POINT:

DISTANCE ABOVE (IN) / ATTACHMENT POINT
REFERENCE POINT

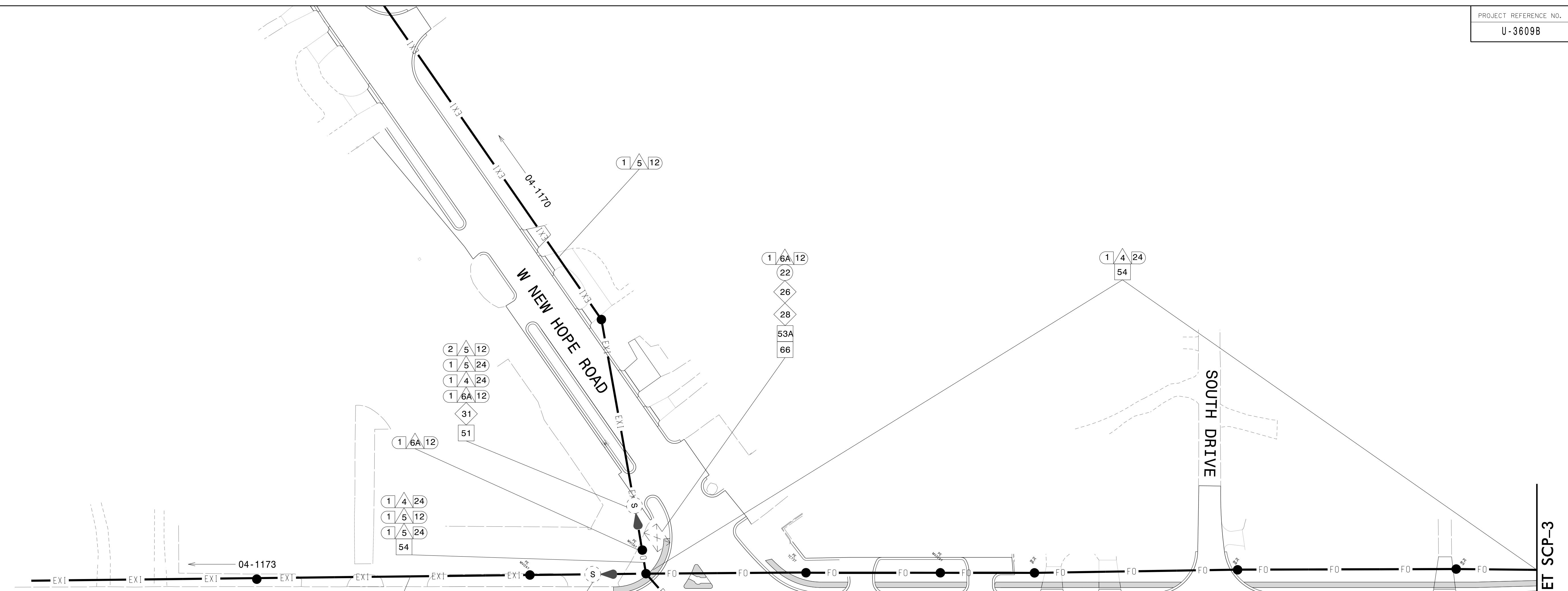
DISTANCE BELOW (IN) / ATTACHMENT POINT
REFERENCE POINT

"SS" REFERENCE LOCATION

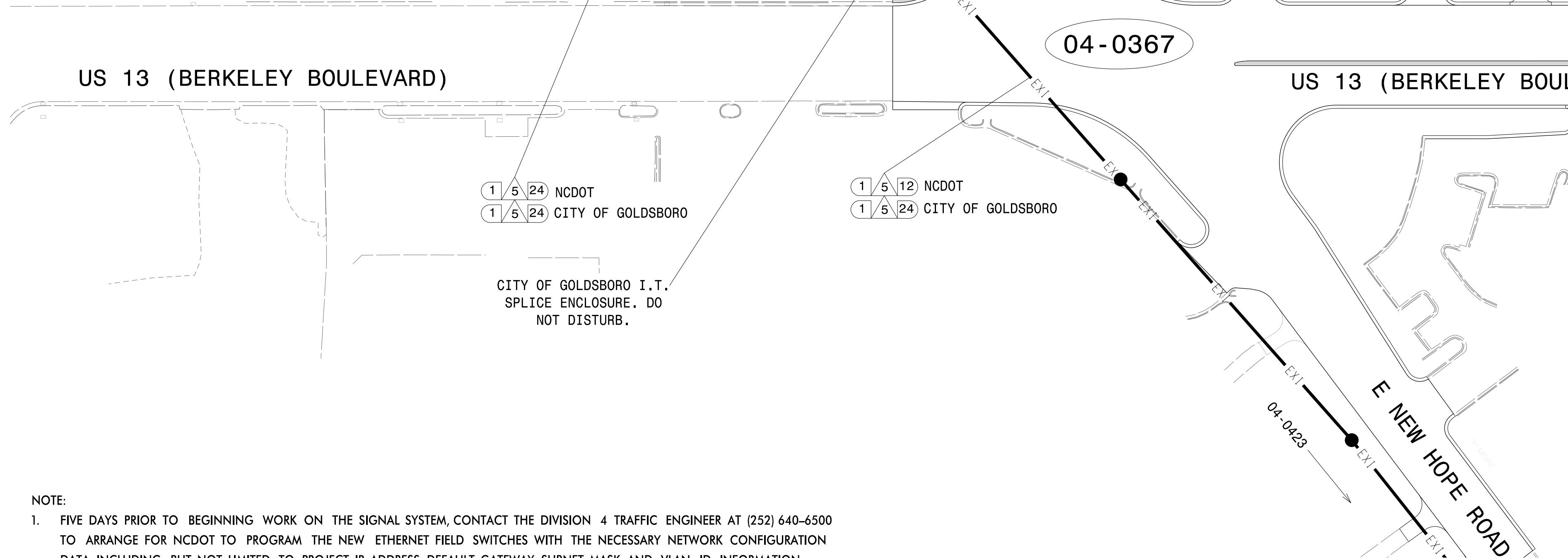
FS = FRONT SIDE OF POLE

BS = BACK SIDE OF POLE

Prepared for the Offices of:																			
Stantec																			
All Transportation, Mobility, and Safety Division Division of North Carolina Department of Transportation																			
CONSTRUCTION NOTES																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Division 4</td> <td style="width: 10%;">Wayne County</td> <td style="width: 10%;">Goldsboro</td> </tr> <tr> <td>PLAN DATE:</td> <td>March 2025</td> <td>REVIEWED BY:</td> </tr> <tr> <td>PREPARED BY:</td> <td>JBG</td> <td>REVIEWED BY:</td> </tr> <tr> <td>REVISIONS:</td> <td>INIT.:</td> <td>DATE:</td> </tr> <tr> <td colspan="3" style="text-align: center;">0</td> </tr> <tr> <td colspan="3" style="text-align: center;">NTS</td> </tr> </table>		Division 4	Wayne County	Goldsboro	PLAN DATE:	March 2025	REVIEWED BY:	PREPARED BY:	JBG	REVIEWED BY:	REVISIONS:	INIT.:	DATE:	0			NTS		
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SEAL 029904 JASON P. GALLOWAY 8/18/2025 SIGHTED/BEARING CADD Filename:																			

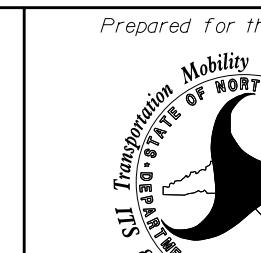
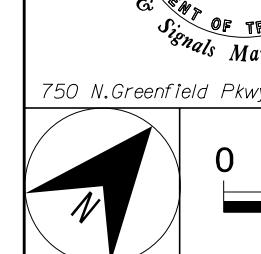


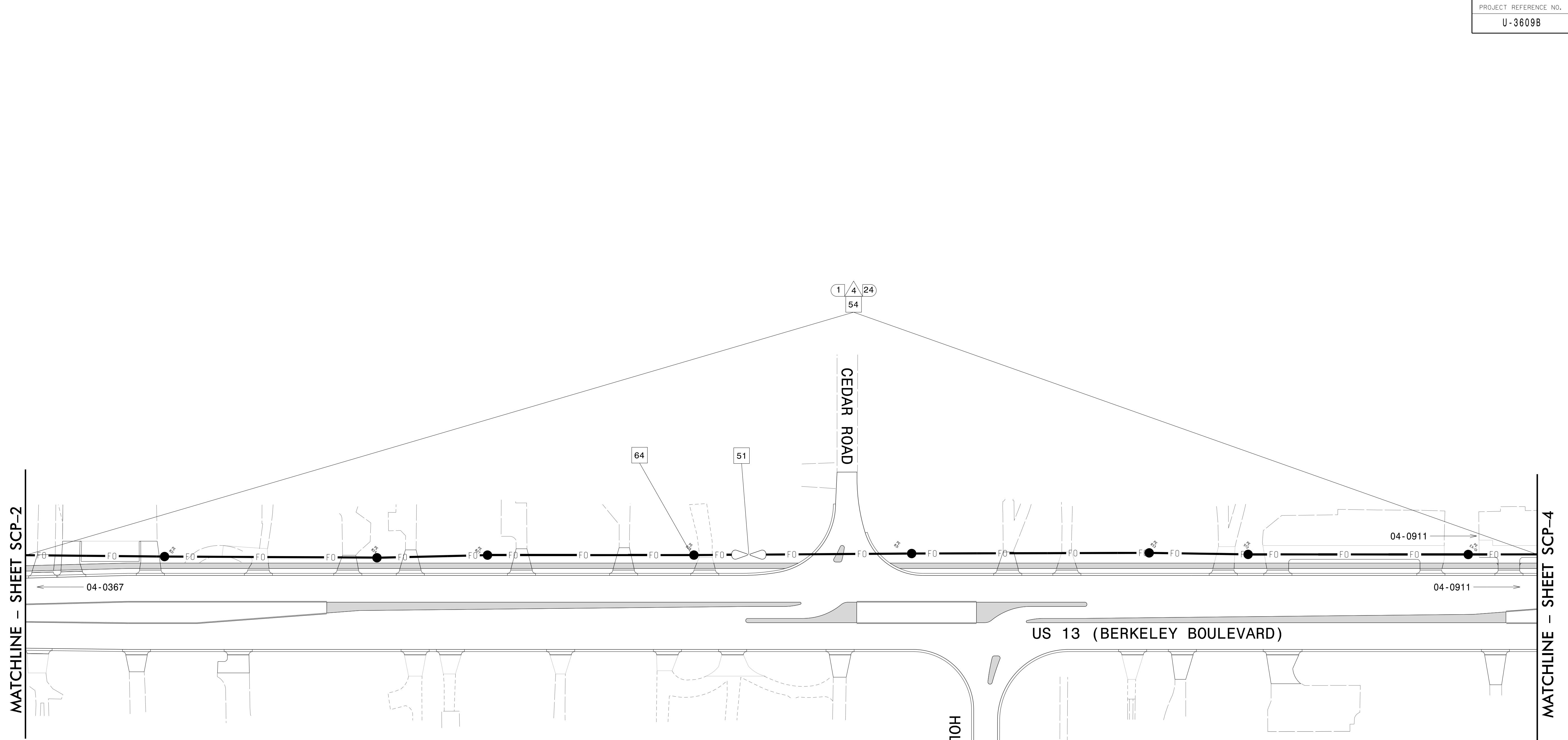
MATCHLINE - SHEET SCP-3



NOTE:

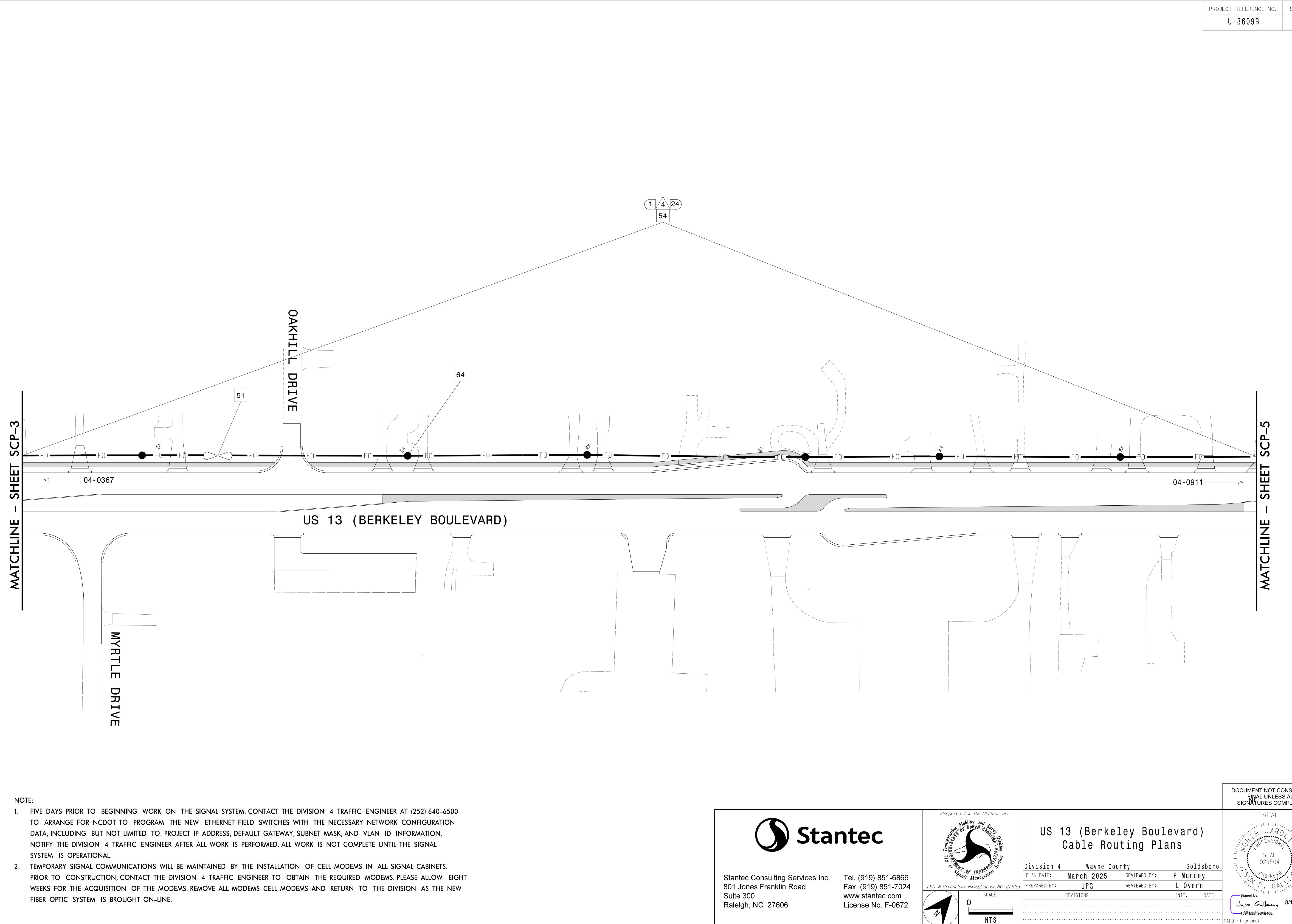
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 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672		Prepared for the Offices of:  Division 4 Wayne County Goldsboro PLAN DATE: March 2025 REVIEWED BY: R Muncey PREPARED BY: JRG REVIEWED BY: L Overn	
		 750 N. Greenfield Pkwy, Garner, NC 27529 SCALE  NTS	US 13 (Berkeley Boulevard) Cable Routing Plans DIVISION 4 Wayne County Goldsboro PLAN DATE: March 2025 REVIEWED BY: R Muncey PREPARED BY: JRG REVIEWED BY: L Overn REVISED DATE INIT. DATE Signed by: JASON P. GALLOWAY 8/18/2025 CADD Filename:



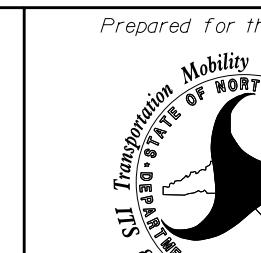
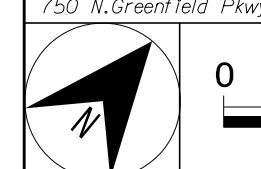
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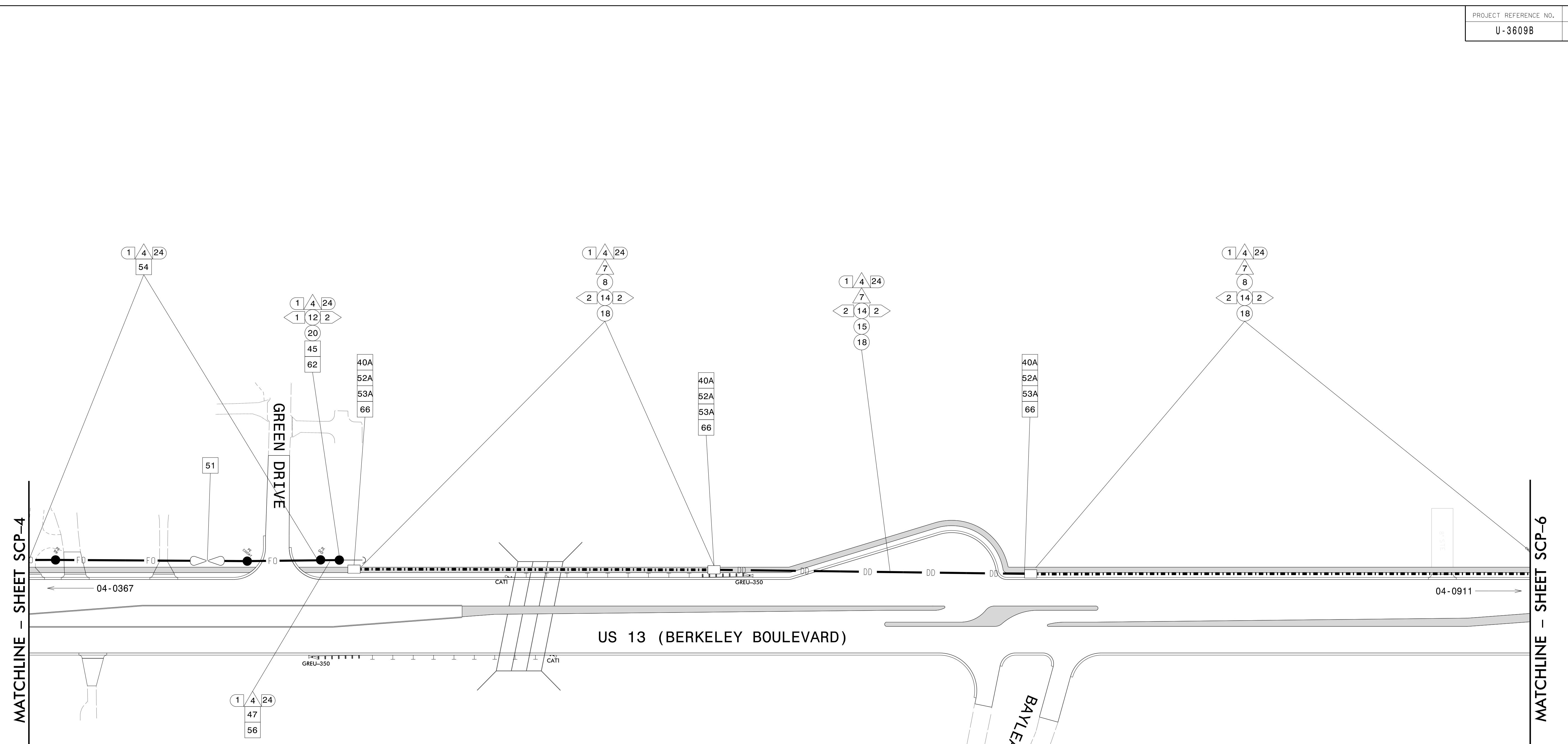
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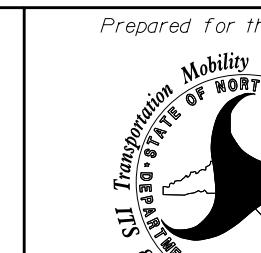
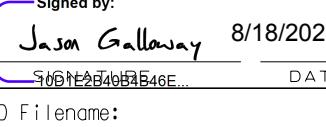
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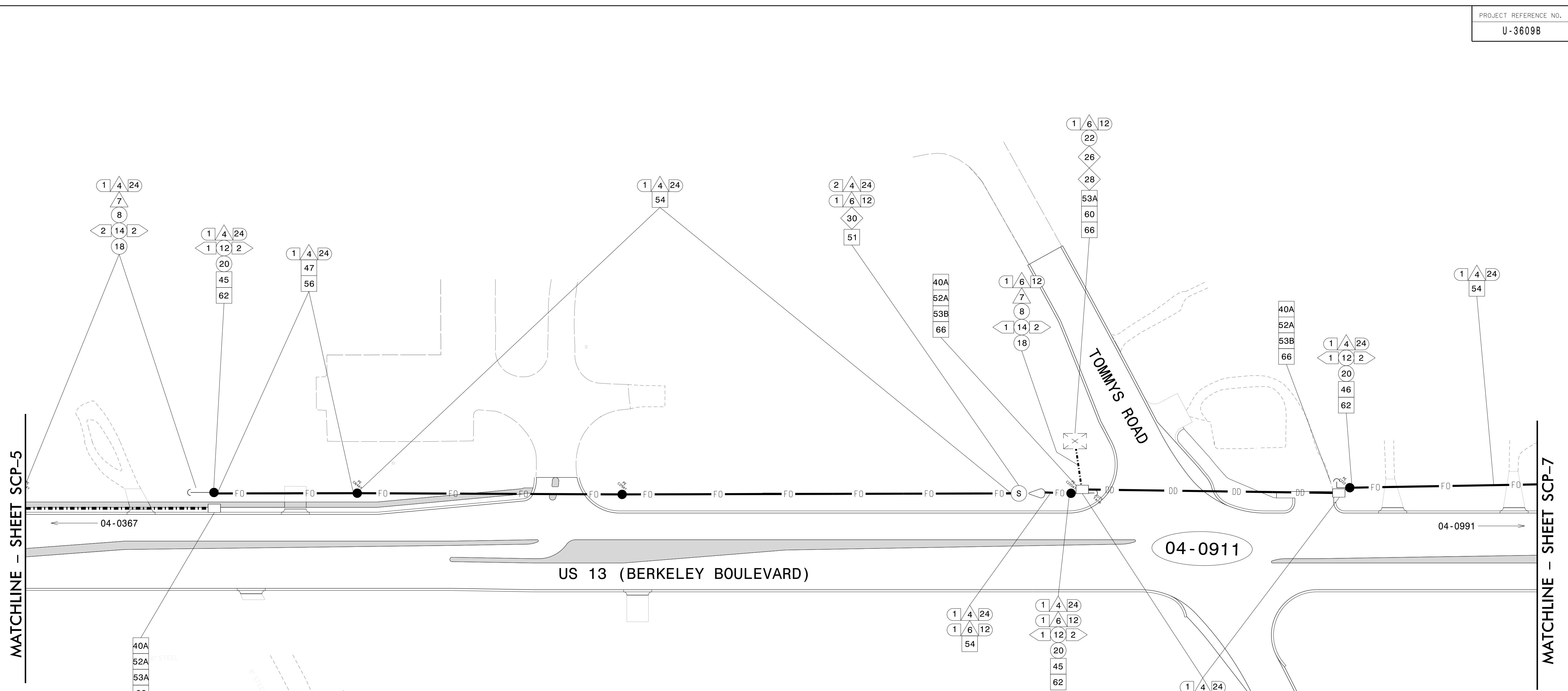
 Stantec Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606		Prepared for the Offices of:	
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 US 13 (Berkeley Boulevard) Cable Routing Plans Signed by: JASON P. GALLAWAY 8/18/2025 CADD Filename: 81617200000000000000000000000000		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029904 JASON P. GALLAWAY 8/18/2025 CADD Filename:	
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NOTE:

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 0 NTS		US 13 (Berkeley Boulevard) Cable Routing Plans Signed by:  Jason P. Galloway 8/18/2025 CADD Filename:	



NOTE

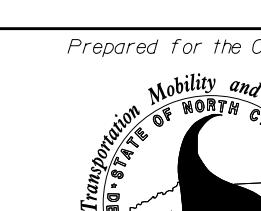
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[User: jgal | QWAVY



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The logo is circular with a black and white striped border. Inside, the words 'CITY OF MILWAUKEE' are written in a curved font along the top. Below that, 'DEPARTMENT OF TRANSPORTATION' is written in a larger, curved font. At the bottom, 'ITS Signals Management' is written in a smaller, curved font. The letters 'ITS' are in a bold, sans-serif font.

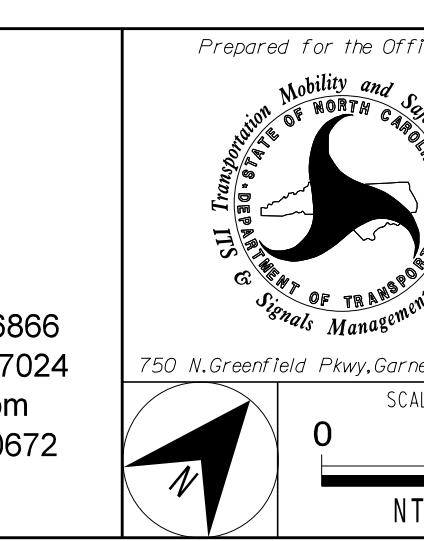
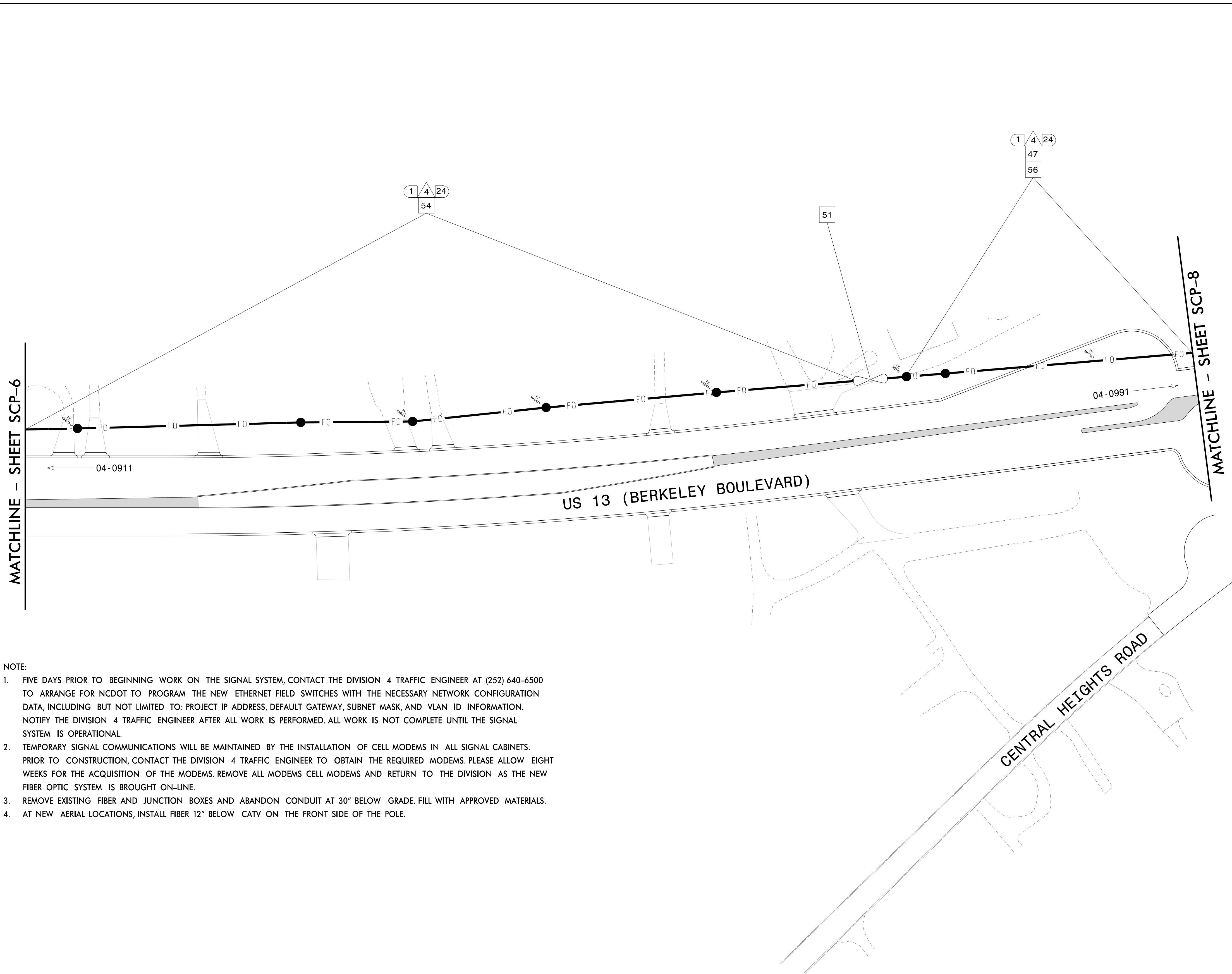
of:

US 13 (Berkeley Boulevard)
Cable Routing Plans

Division 4 PLAN DATE: PREPARED BY: REVISIONS	Wayne County	Goldsb REVIEWED BY: REVIEWED BY: INIT.
	March 2025	R Muncey
	JPG	L Overn

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SIGNATURES COMPLETED

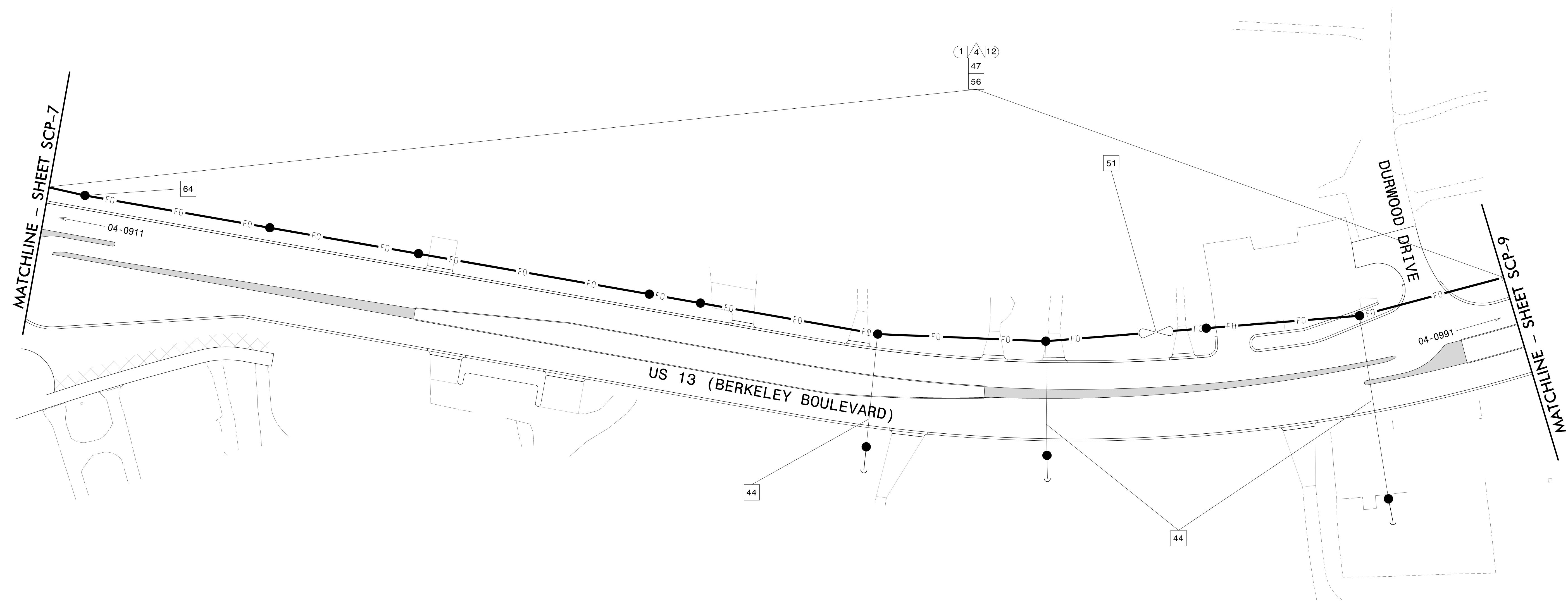




of:	<h1>US 13 (Berkeley Boulevard) Cable Routing Plans</h1>			
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Division number</p> <p>C 27529</p>	Division 4	Wayne County	Goldsboro	
	PLAN DATE:	March 2025	REVIEWED BY:	R Muncey
	PREPARED BY:	JPG	REVIEWED BY:	L Overn
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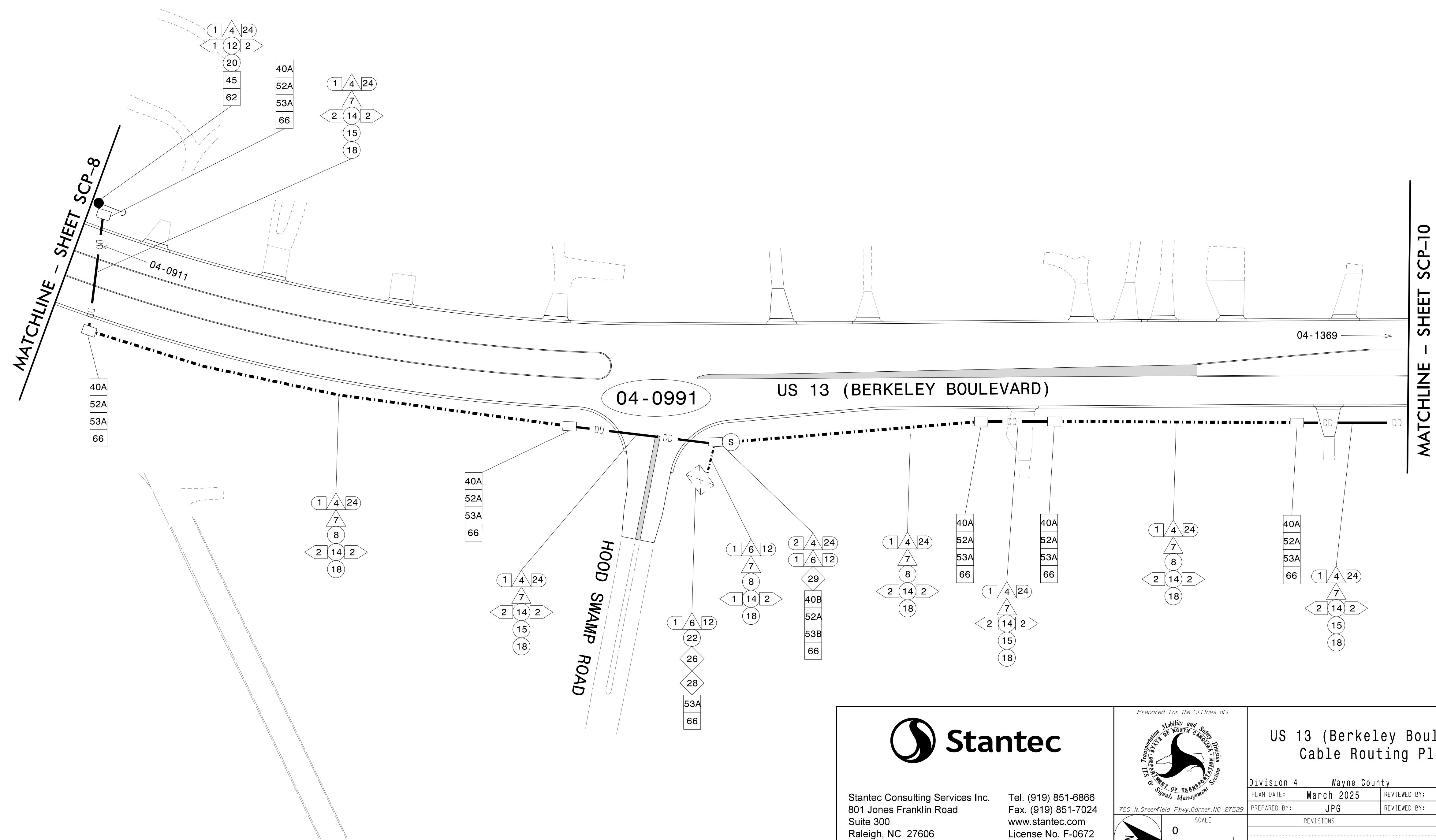




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3. REMOVE EXISTING FIBER AND JUNCTION BOXES AND ABANDON CONDUIT AT 30" BELOW GRADE. FILL WITH APPROVED MATERIALS.
4. AT NEW AERIAL LOCATIONS, INSTALL FIBER 12" BELOW CATV ON THE FRONT SIDE OF THE POLE.

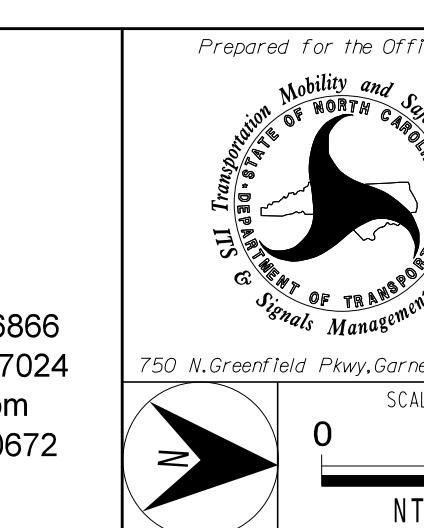
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801 Jones Franklin Road
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Raleigh, NC 27606



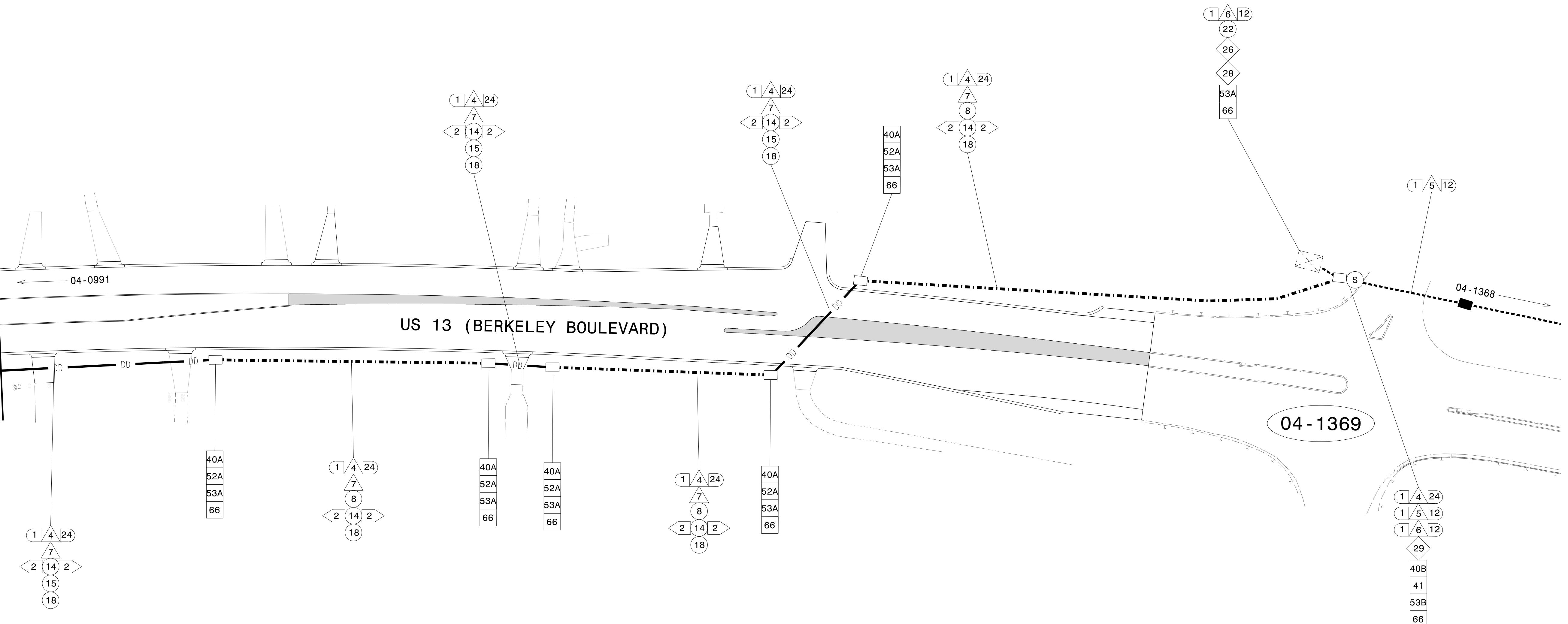
US 13 (Berkeley Boulevard) Cable Routing Plans

NC 27529	Division 4 Wayne County		Goldsboro	
	PLAN DATE:	March 2025	REVIEWED BY:	R Muncey
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	REVISIONS		INIT.	DATE
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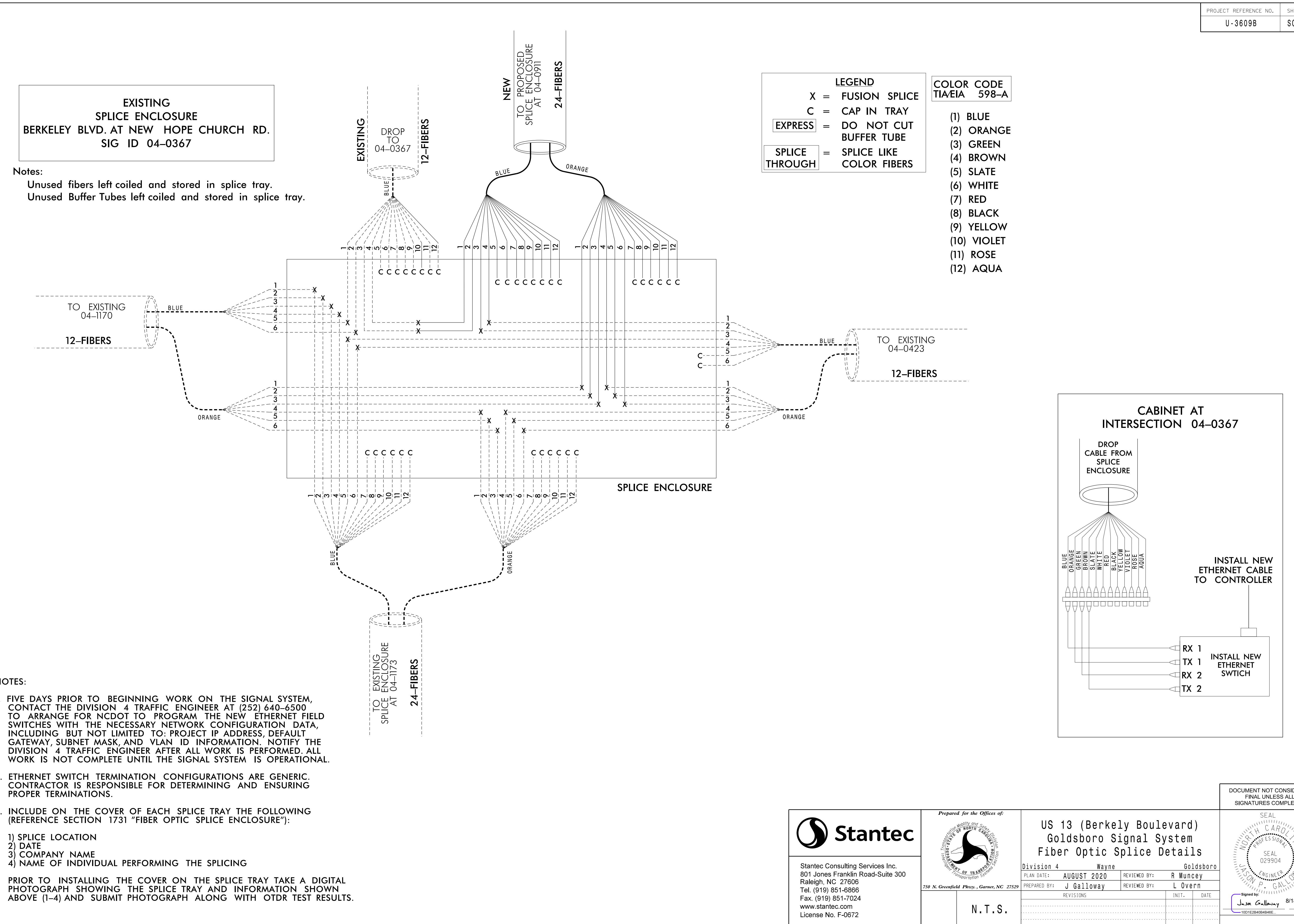
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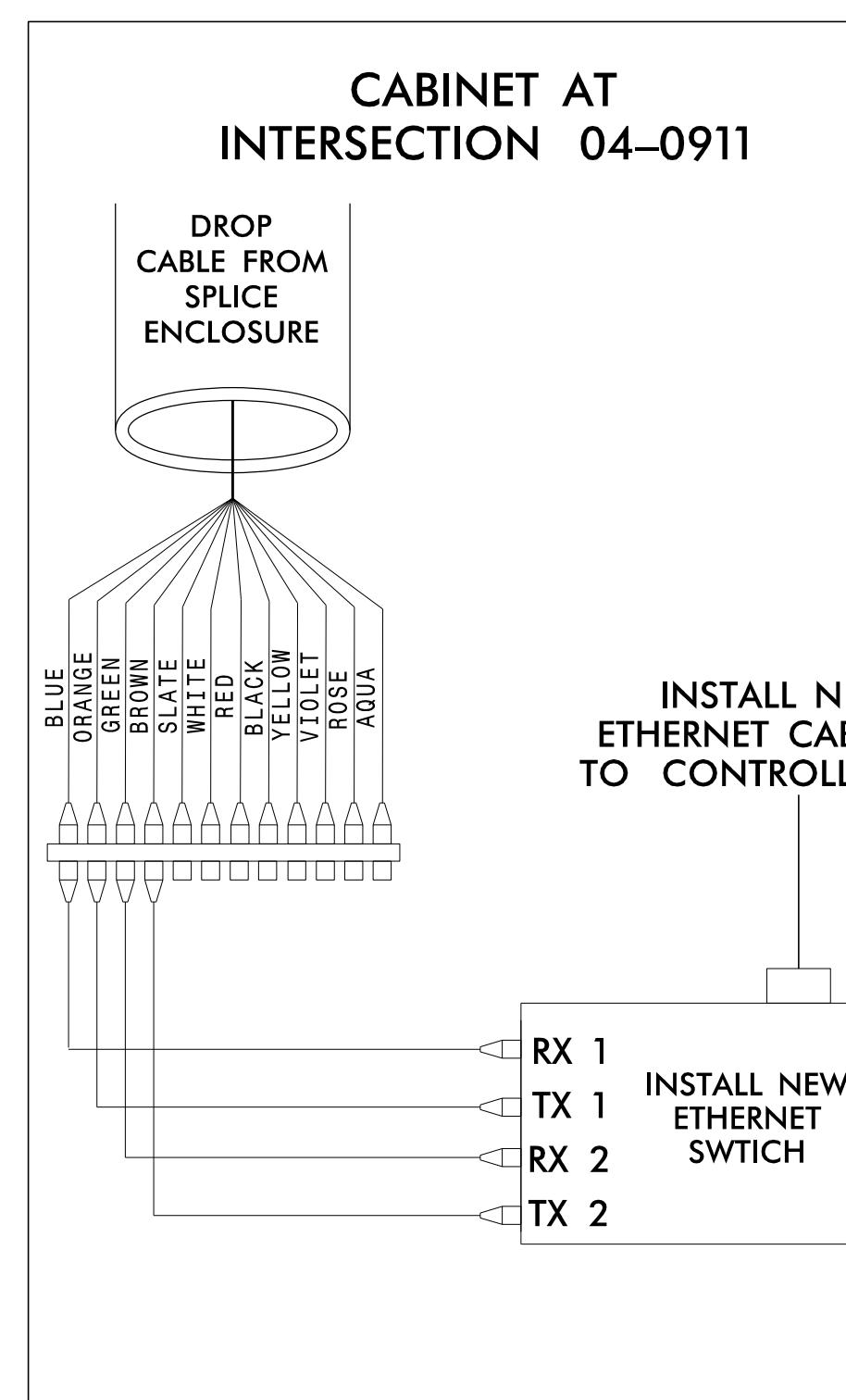
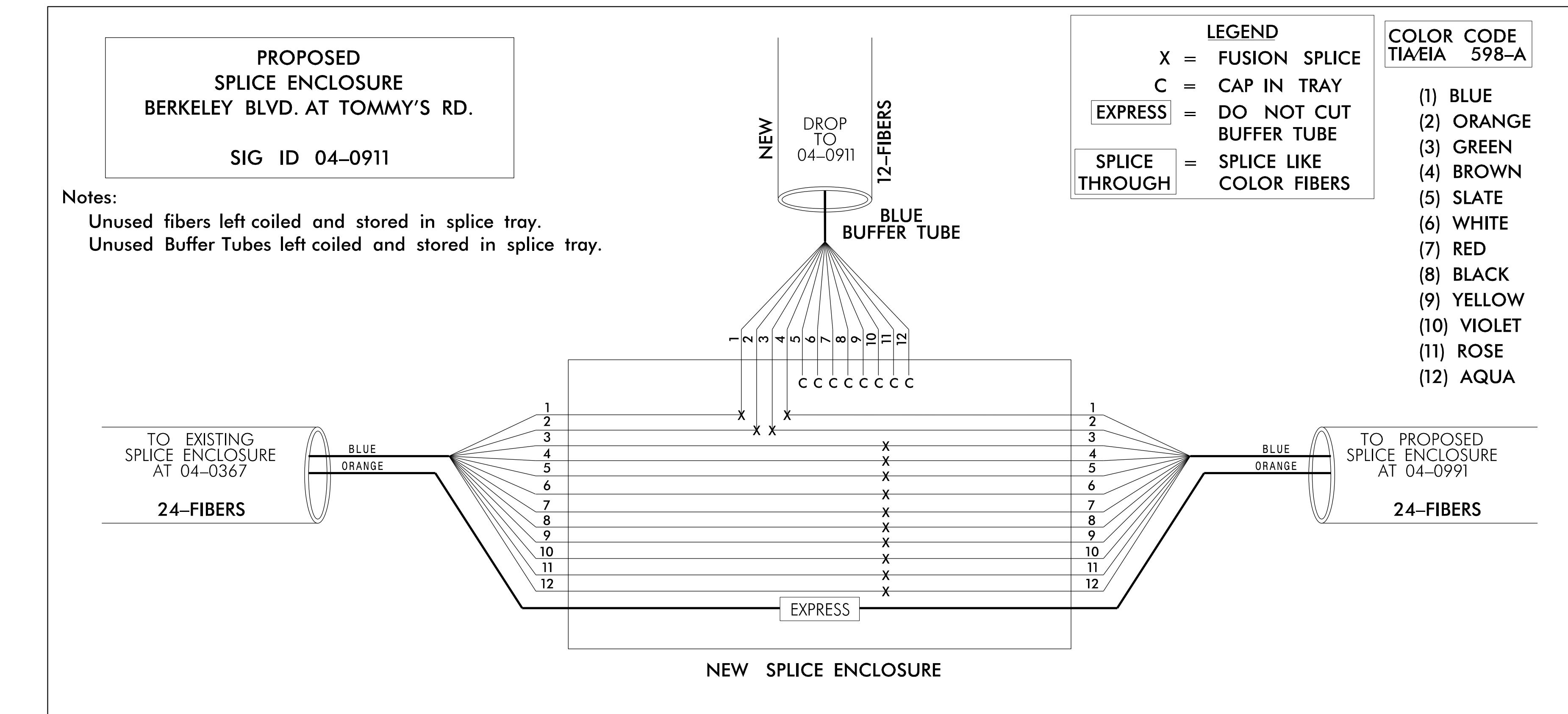
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of:	<h1>US 13 (Berkeley Boulevard) Cable Routing Plans</h1>		
	<p>Division 4 Wayne County Goldsboro</p>		
C 27529	PLAN DATE: March 2025	REVIEWED BY: R Muncey	
	PREPARED BY: JPG	REVIEWED BY: L Overn	
	REVISIONS		INIT.

	<div style="border: 1px solid blue; padding: 2px;"> Signed by: Jason Galloway 8/18/2025 SIGNATURE: 4954546E DATE </div>		
	CADD Filename:		





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*:Traffic*Signal*Design*TS and SCP Design*Fiber Splicing Details*U-3609B-SCP-FS.dgn

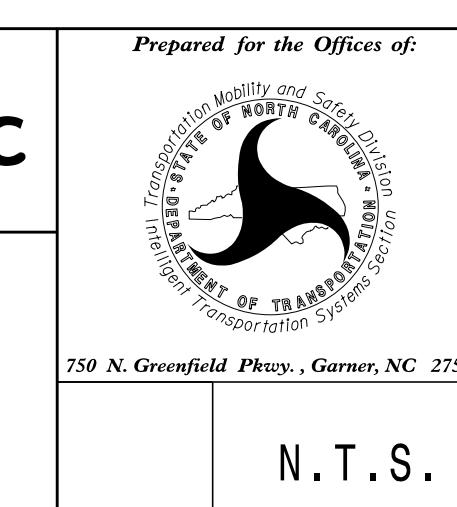
NOTES

1. FIVE DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 4 TRAFFIC ENGINEER AT (252) 640-6500 TO ARRANGE FOR NCDOT TO PROGRAM THE NEW ETHERNET FIELD SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK, AND VLAN ID INFORMATION. NOTIFY THE DIVISION 4 TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.
3. INCLUDE ON THE COVER OF EACH SPLICING TRAY THE FOLLOWING (REFERENCE SECTION 1731 "FIBER OPTIC SPLICING ENCLOSURE"):
 - 1) SPLICING LOCATION
 - 2) DATE

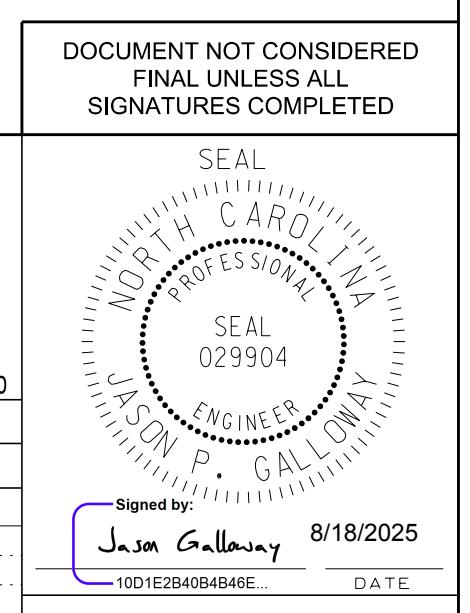
PRIOR TO INSTALLING THE COVER ON THE SPLICING TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICING TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

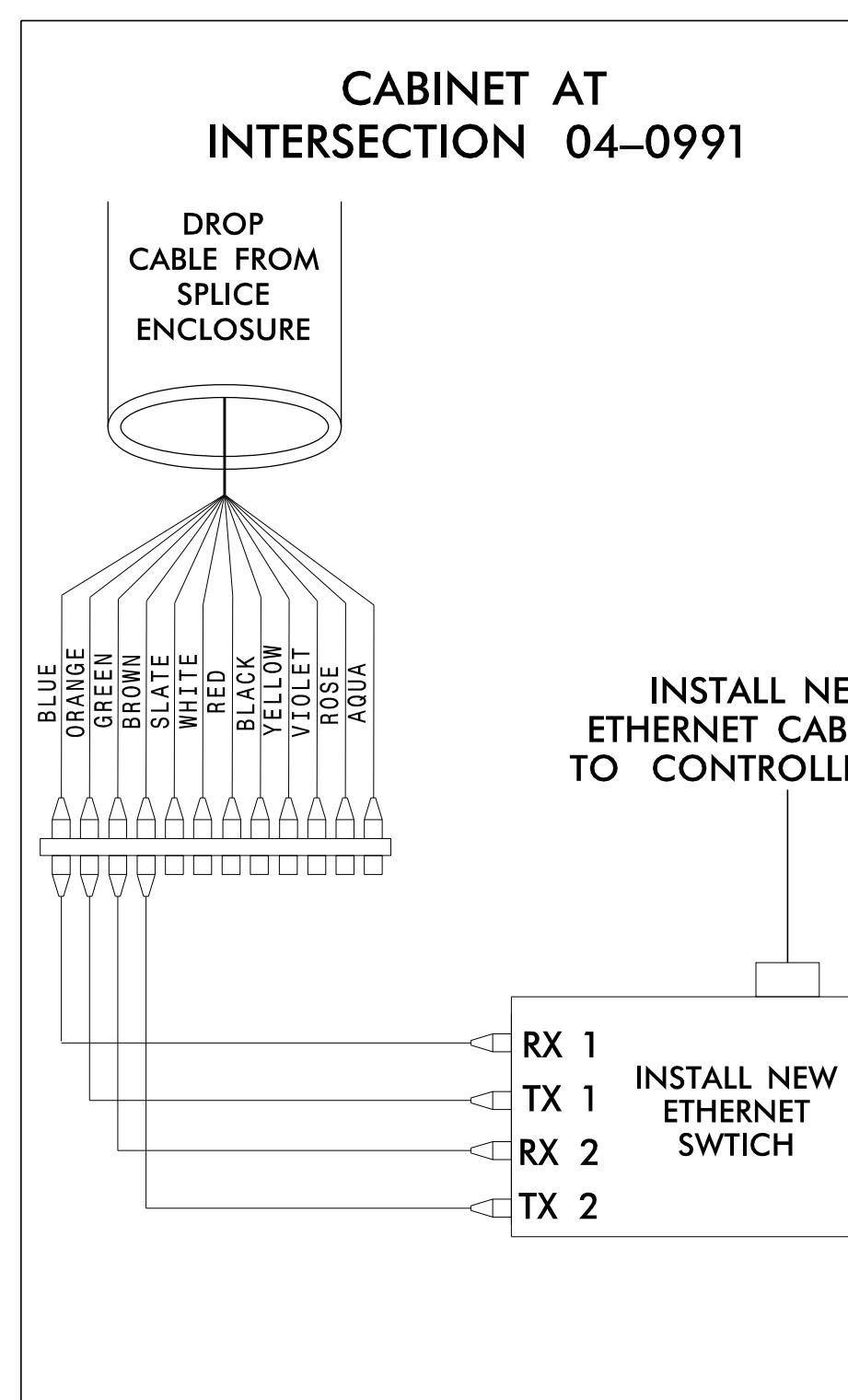
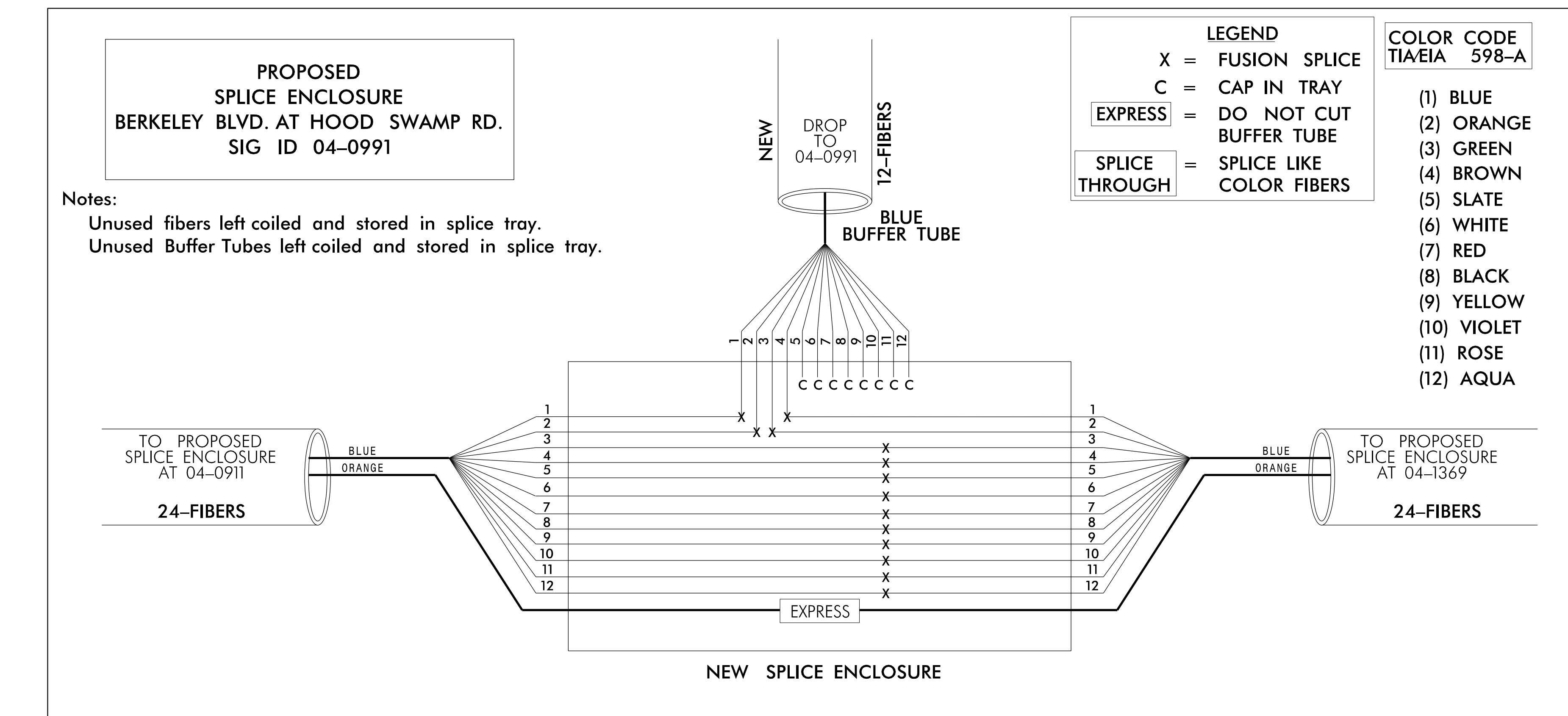


US 13 (Berkely Boulevard) Goldsboro Signal System Fiber Optic Splice Details



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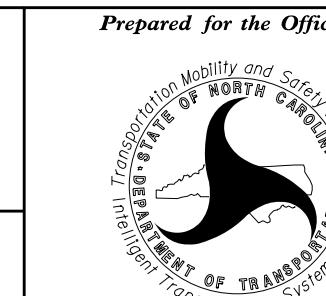




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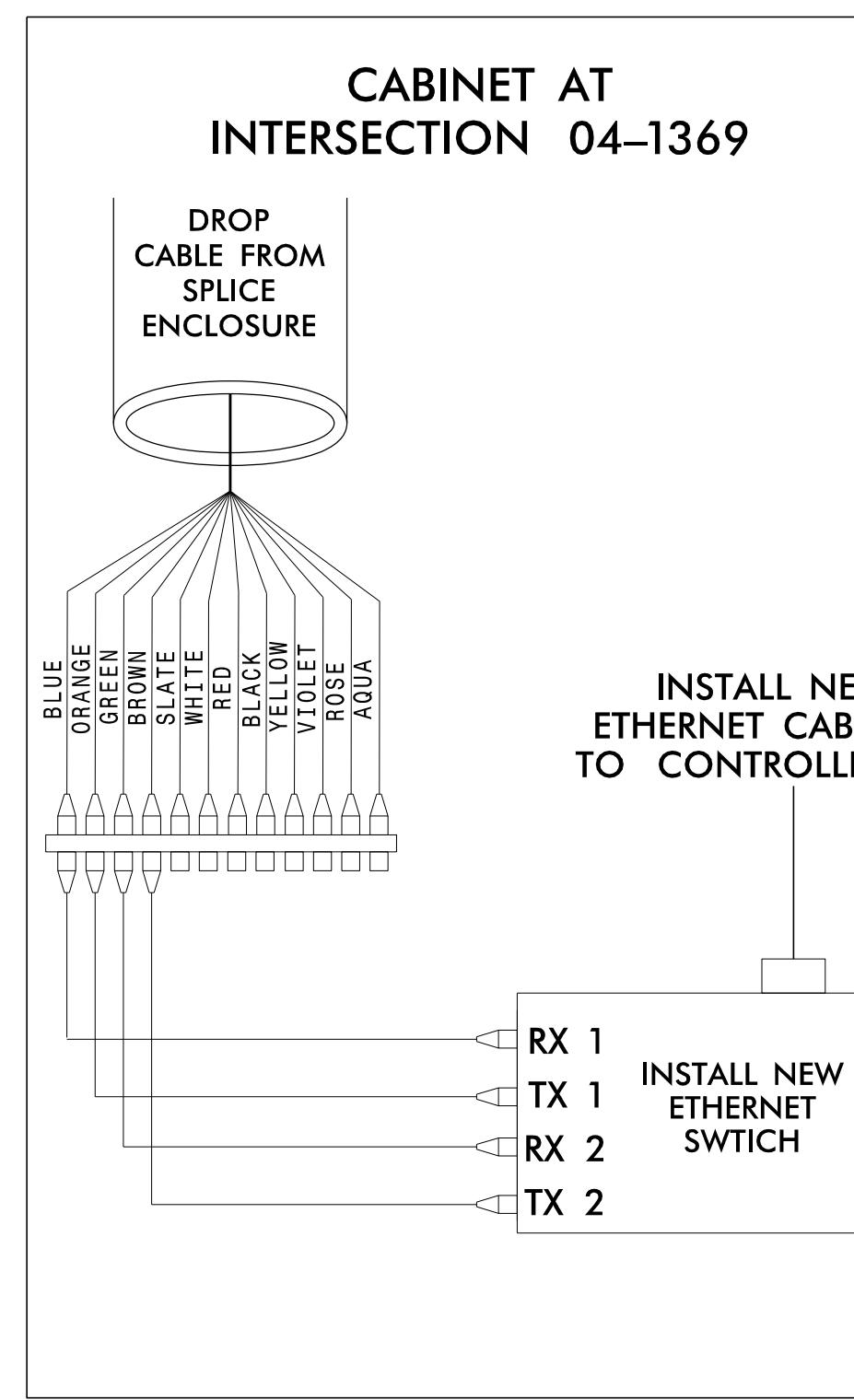
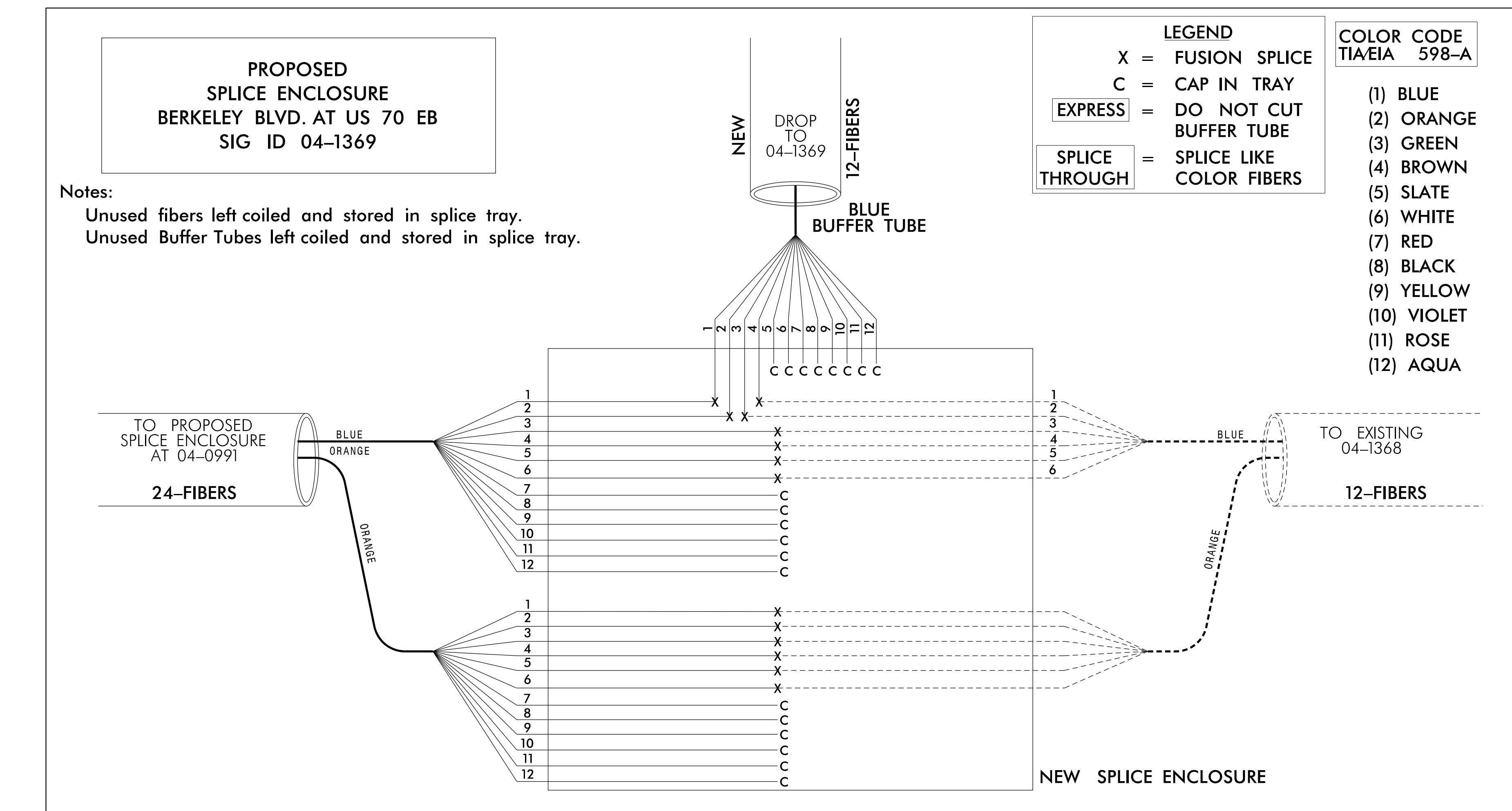
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 - 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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 <i>Prepared for the Offices of:</i>  Stantec Consulting Services Inc. 801 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672		US 13 (Berkely Boulevard) Goldsboro Signal System Fiber Optic Splice Details	
		Division 4	Wayne
PLAN DATE:	AUGUST 2020	REVIEWED BY:	R Muncey
PREPARED BY:	J Gallaway	REVIEWED BY:	L Overn
REVISIONS	INIT.	DATE	
N.T.S.			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

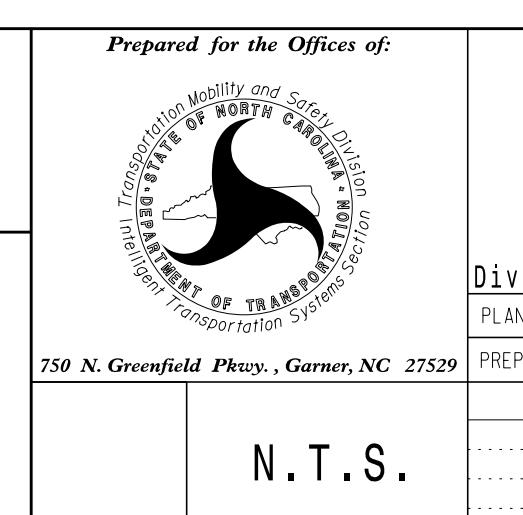
SEAL
JASON P. GALLAWAY
8/18/2025
1001E284084846E... DATE



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US 13 (Berkely Boulevard)
Goldsboro Signal System
Fiber Optic Splice Details

Division 4	Wayne	Goldsboro
PLAN DATE:	AUGUST 2020	REVIEWED BY: R Muncey
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