

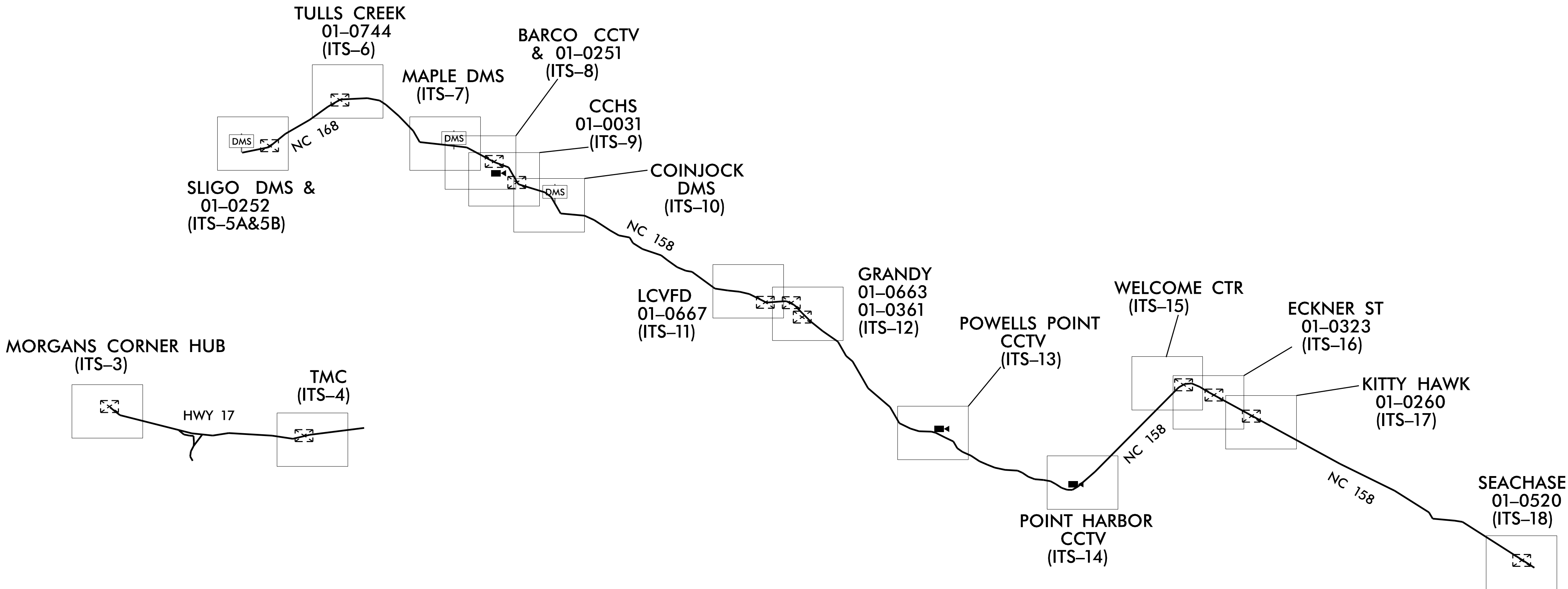
DIVISION 1 MCNC

CONTRACT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PASQUOTANK, CURRITUCK, DARE

LOCATION: SIXTEEN LOCATIONS ALONG THE
MCNC COMMUNICATIONS CORRIDOR
TYPE OF WORK: EXTEND FIBER OPTIC CABLE FROM A NCDOT
ITS DEVICE TO A NEARBY MCNC JUNCTION BOX



2024 STANDARD SPECIFICATION

PROJECT LENGTH
PROJECT LENGTH = 63 MILES

LETTING DATE:
JAN 2026

INDEX OF SHEETS

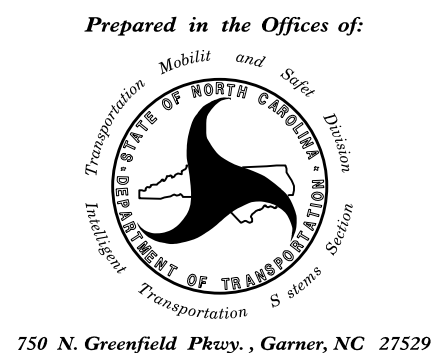
SHEET ITS 1 TITLE SHEET
SHEET ITS 2 CONSTRUCTION NOTES
SHEET ITS 3-18 ITS PLANS
SHEET ITS 19-20 SPLICE DETAILS

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1715.01	UNDERGROUND CONDUIT-TRENCHING
1716.01	JUNCTION BOXES

NCDOT CONTACT:
TRANSPORTATION MOBILITY AND SAFETY
J. L. PORTANOVA, PE, CPM
STATE TRANSPORTATION SYSTEMS
MANAGEMENT & OPERATIONS ENGINEER



ENGLISH
ALL DIMENSIONS IN THESE
PLANS ARE IN FEET
UNLESS OTHERWISE NOTED

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
055078
ENGINEER
NATHAN P. DOMINGUEZ
DocuSigned by:
Nathan Dominguez
4C00B959A458434
05/04/2026

- 1

INSTALL ETHERNET CABLE
- 2

INSTALL 4–WIRE COPPER FEEDER CONDUCTORS
- 3

INSTALL 3–WIRE COPPER FEEDER CONDUCTORS
- 4

INSTALL SMFO CABLE
- 5

EXISTING SMFO CABLE
- 6

INSTALL 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 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 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 HUB 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 DMS ASSEMBLY
- 45

INSTALL DMS PEDESTAL STRUCTURE
- 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

INSTALL NEW SOLAR ASSEMBLY
- 57

INSTALL 10KVA SINGLE PHASE TRANSFORMER
- 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

INSTALL CCTV EXTENSION POLE

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

NEW

OVERSIZED JUNCTION BOX

WOOD POLE

AERIAL SPLICE ENCLOSURE

UNDERGROUND SPLICE ENCLOSURE

METAL POLE

CCTV ASSEMBLY

STANDARD GUY ASSEMBLY

SIDEWALK GUY ASSEMBLY

CABLE STORAGE RACKS (SNOW SHOES)

SIGNAL/EQUIPMENT CABINET

SPLICE CABINET

ITS / SIGNAL INVENTORY NUMBER

ELECTRICAL SERVICE

EXISTING

S

S

S

S

CONSTRUCTION NOTE SYMBOLOGY KEY

XX

INDICATES NUMBER OF CABLES, LOOPS, ETC.

XX

INDICATES NUMBER OF FIBERS PER CABLE, ETC.

<XX

INDICATES NUMBER OF RISER(S)/CONDUIT(S)

XX

INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

NUMBER OF CABLE(S)

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBERS

DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

CONDUIT/RISER

ATTACHMENT POINT:

XX"/SS

YYY

DISTANCE ABOVE (IN)/ATTACHMENT POINT
REFERENCE POINT

YYY

XX"/SS

REFERENCE POINT
DISTANCE BELOW (IN)/ATTACHMENT POINT

"SS" REFERENCE LOCATION

FS = FRONT SIDE OF POLE

BS = BACK SIDE OF POLE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:

Seal of the State of North Carolina

Division of Transportation

750 N. Greenfield Pkwy., Garner, NC 27529

DIVISION 1

CURRITUCK CO.

PLAN DATE: NOVEMBER 2025

REVIEWED BY: N. DOMINGUEZ, PE

PREPARED BY: J. WALDEN

REVISIONS

INIT.

DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 055078

NATHAN P. DOMINGUEZ

05/04/2026

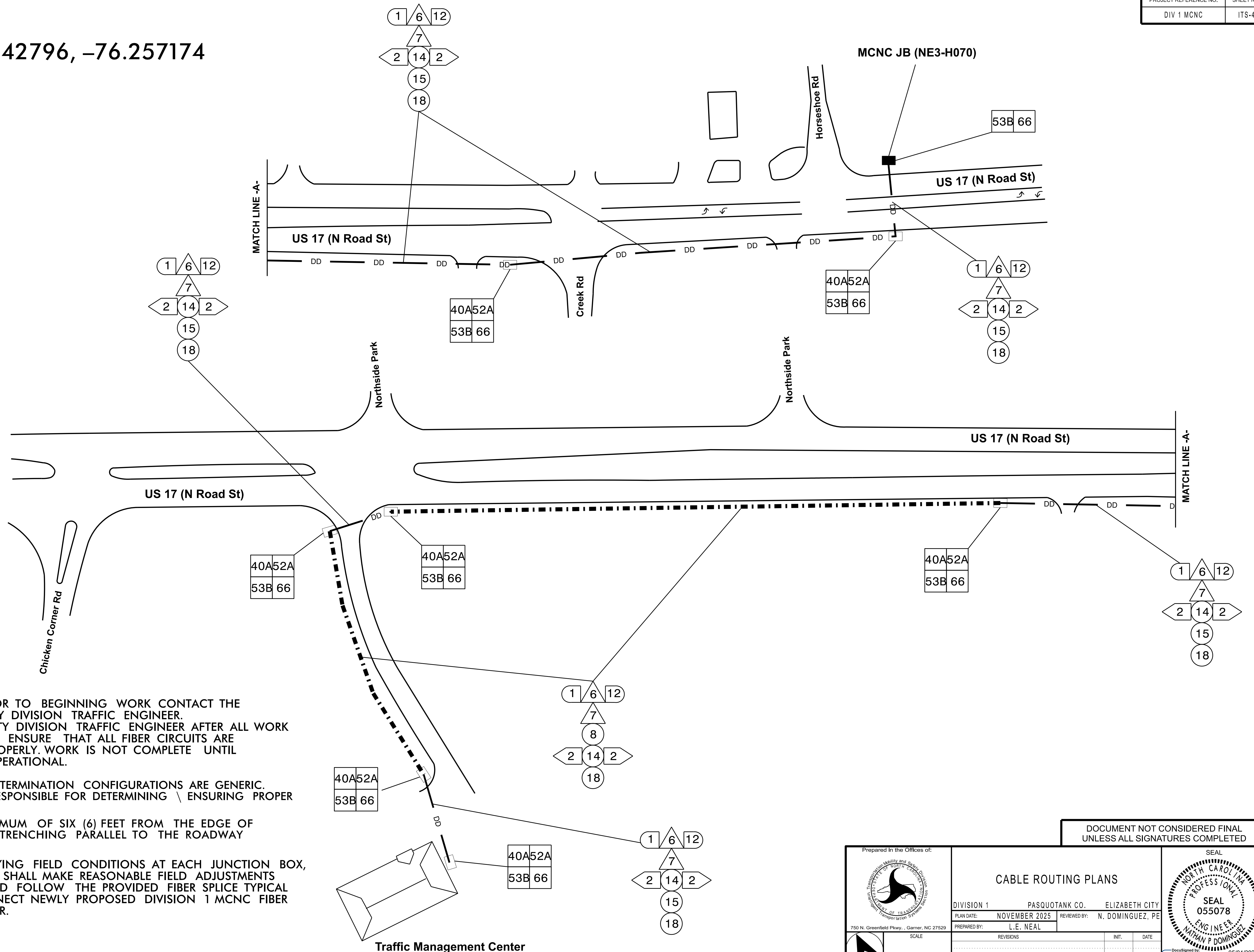
DocuSigned by: Nathan Dominguez

40609994949434

TMC

GPS: 36.342796, -76.257174

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-4



NOTES:

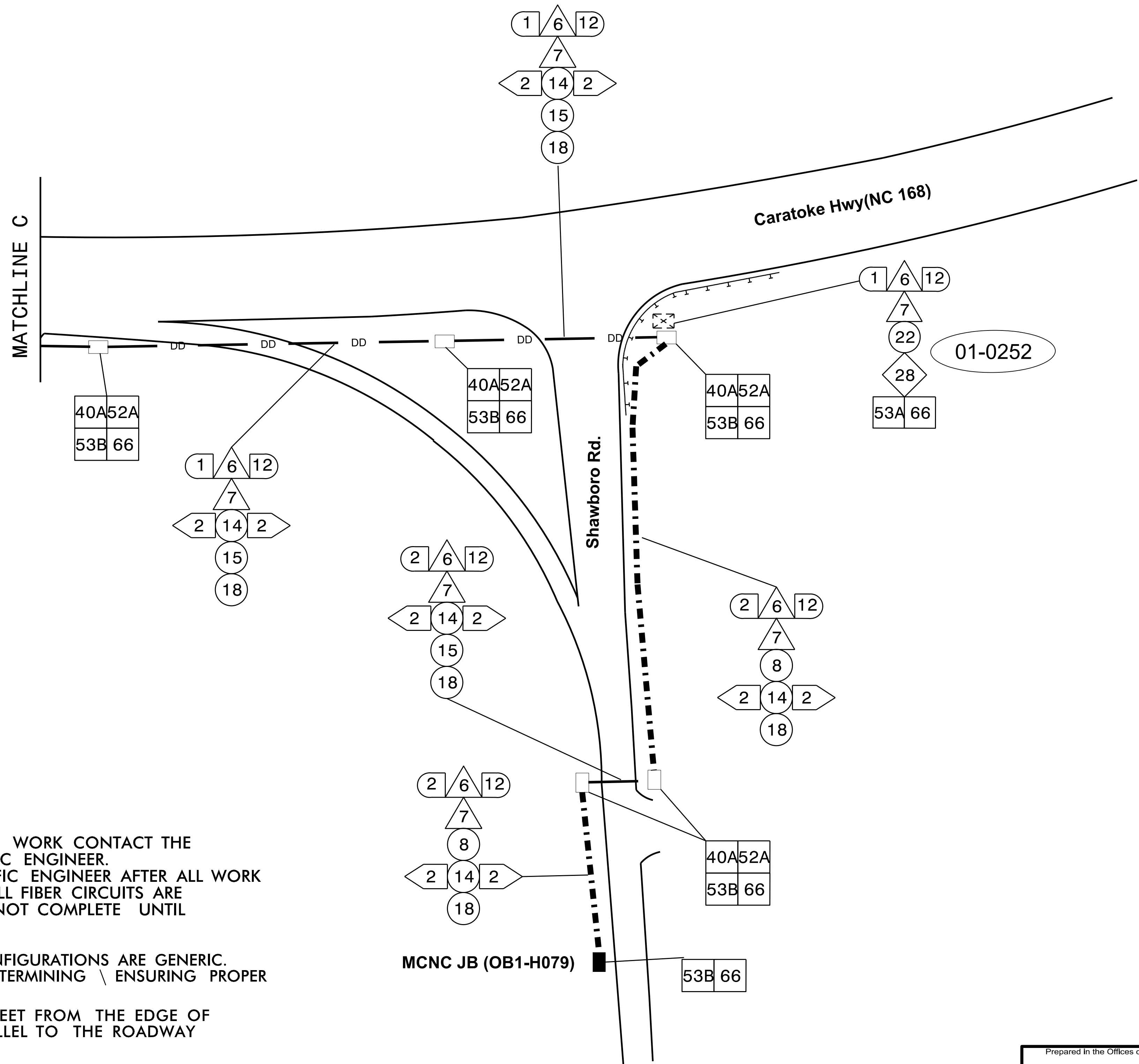
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- 2) ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		CABLE ROUTING PLANS		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 055078 NATHAN P DOMINGUEZ	
750 N. Greenfield Pkwy., Garner, NC 27529		DIVISION 1 PASQUOTANK CO. ELIZABETH CITY		REVIEWED BY: N. DOMINGUEZ, PE	
PLAN DATE: NOVEMBER 2025		PREPARED BY: L.E. NEAL		DATE: 05/04/2026	
SCALE		REVISIONS		INIT. DATE	
NTS					

SLIGO SIGNAL
GPS: 36.452526, -76.075999

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-5B



- NOTES:
- 1) SIX (6) WEEKS PRIOR TO BEGINNING WORK CONTACT THE DIVISION 1 DEPUTY DIVISION TRAFFIC ENGINEER. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS OPERATIONAL.
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Prepared in the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

CABLE ROUTING PLANS

DIVISION 1 CURRITUCK CO. SLIGO

PLAN DATE: NOVEMBER 2025 REVIEWED BY: N. DOMINGUEZ, PE

PREPARED BY: J. WALDEN

REVISIONS	INIT.	DATE

SCALE 0 NTS

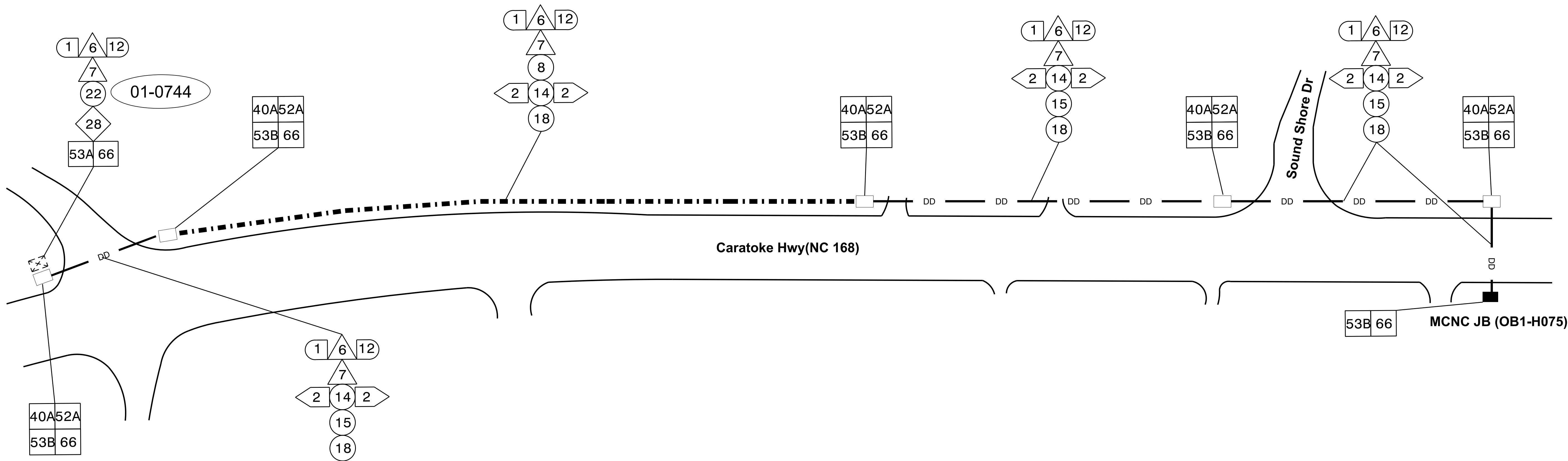
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UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
055078
ENGINEER
NATHAN P. DOMINGUEZ

DocuSigner by: 05/04/2026
Nathan Dominguez

TULLS CREEK
GPS: 36.455318, -76.029287

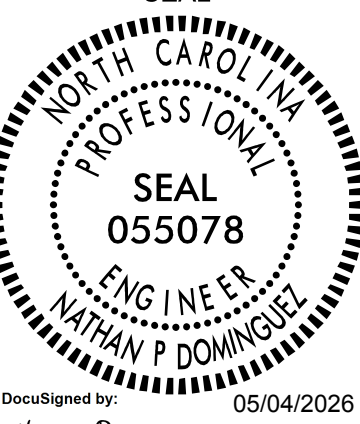
PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-6



NOTES:

- 1) SIX (6) WEEKS PRIOR TO BEGINNING WORK CONTACT THE DIVISION 1 DEPUTY DIVISION TRAFFIC ENGINEER. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS OPERATIONAL.
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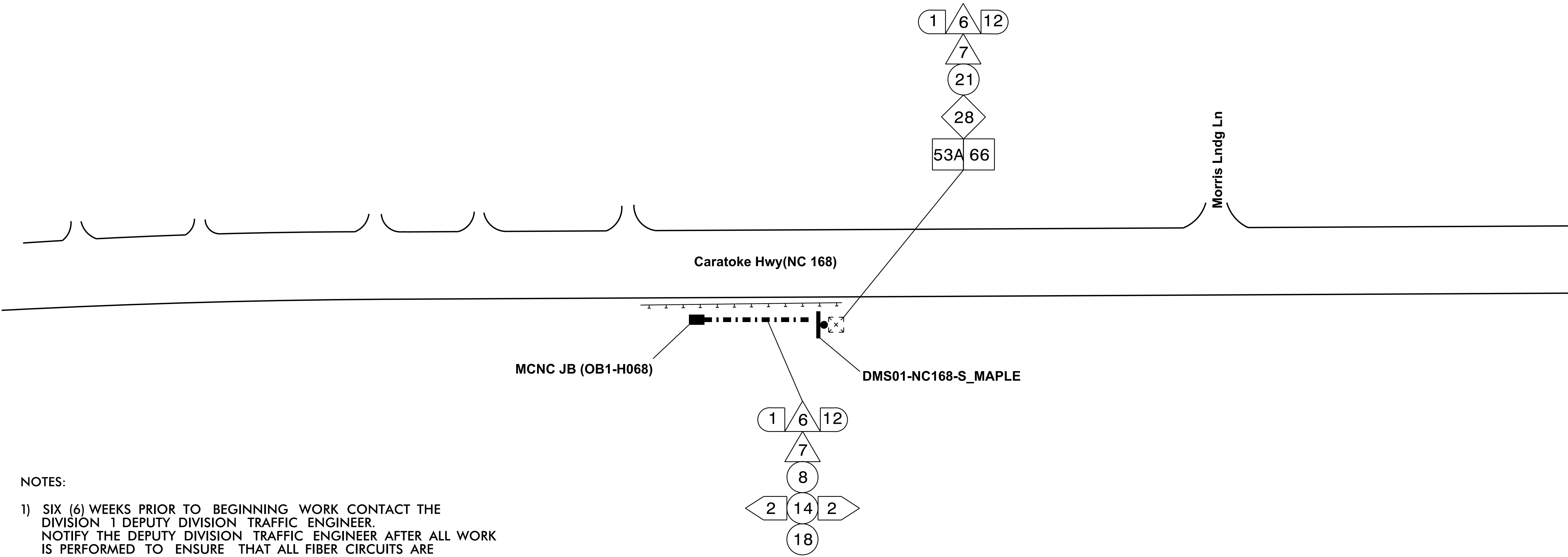
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UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL	
			
750 N. Greenfield Pkwy., Garner, NC 27529		DocuSigned by Nathan P. Dominguez	
0 SCALE NTS		05/04/2026	

CABLE ROUTING PLAN	
DIVISION 1	CURRITUCK CO. TULLS CREEK
PLAN DATE: NOVEMBER 2025	REVIEWED BY: N. DOMINGUEZ, PE
PREPARED BY: J. WALDEN	
REVISIONS	INIT. DATE

MAPLE DMS
GPS: 36.404049, -75.990561

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-7



NOTES:

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Prepared in the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

0

SCALE

NTS

CABLE ROUTING PLANS

DIVISION 1 CURRITUCK CO. MAPLE

PLAN DATE: NOVEMBER 2025 REVIEWED BY: N. DOMINGUEZ, PE

PREPARED BY: J. WALDEN

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL 055078

ENGINEER

NATHAN P. DOMINGUEZ

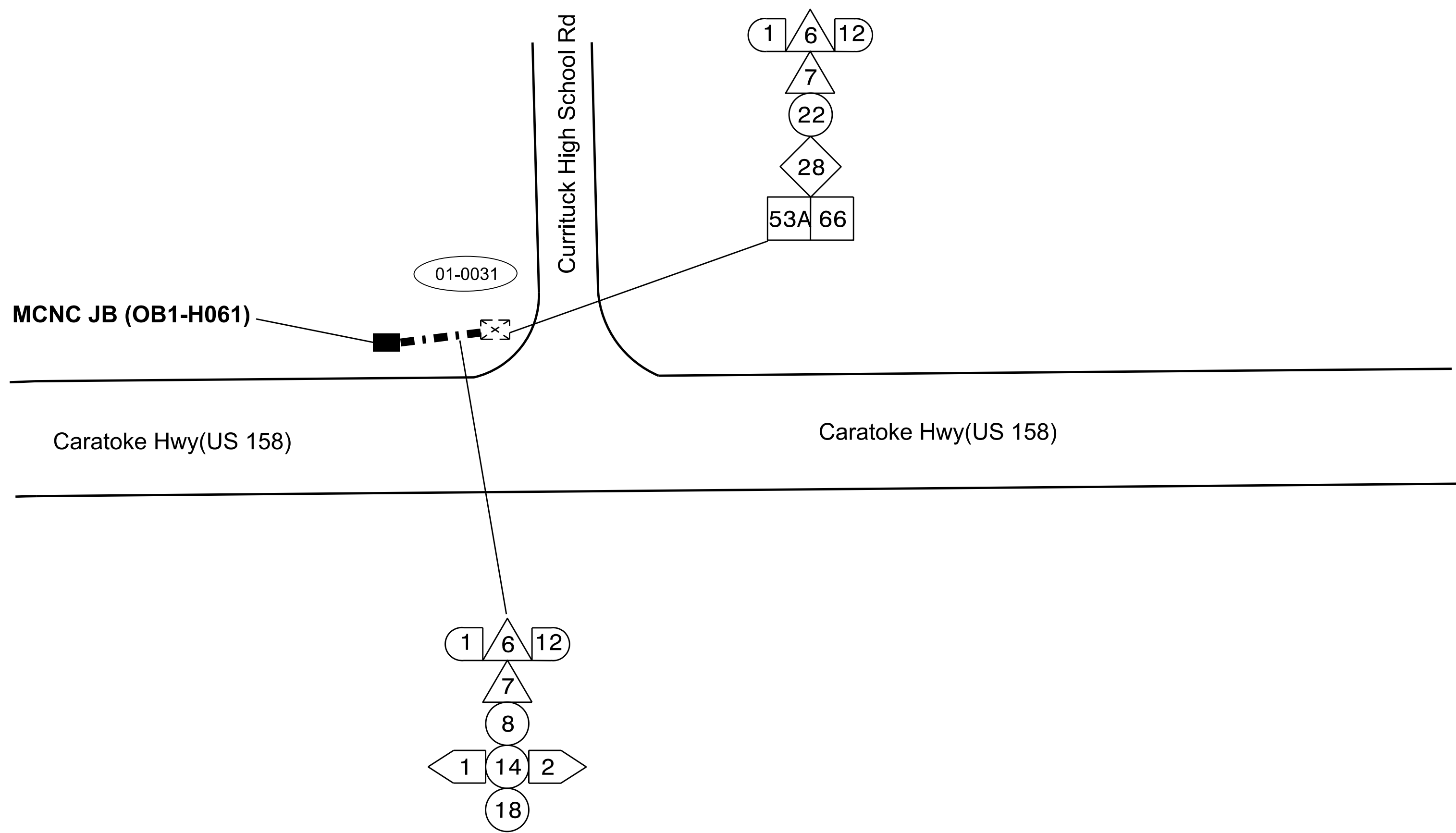
DocuSignee 90

05/04/2026

Nathan Dominguez

CCHS
GPS: 36.368810, -75.970373

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-9



NOTES:

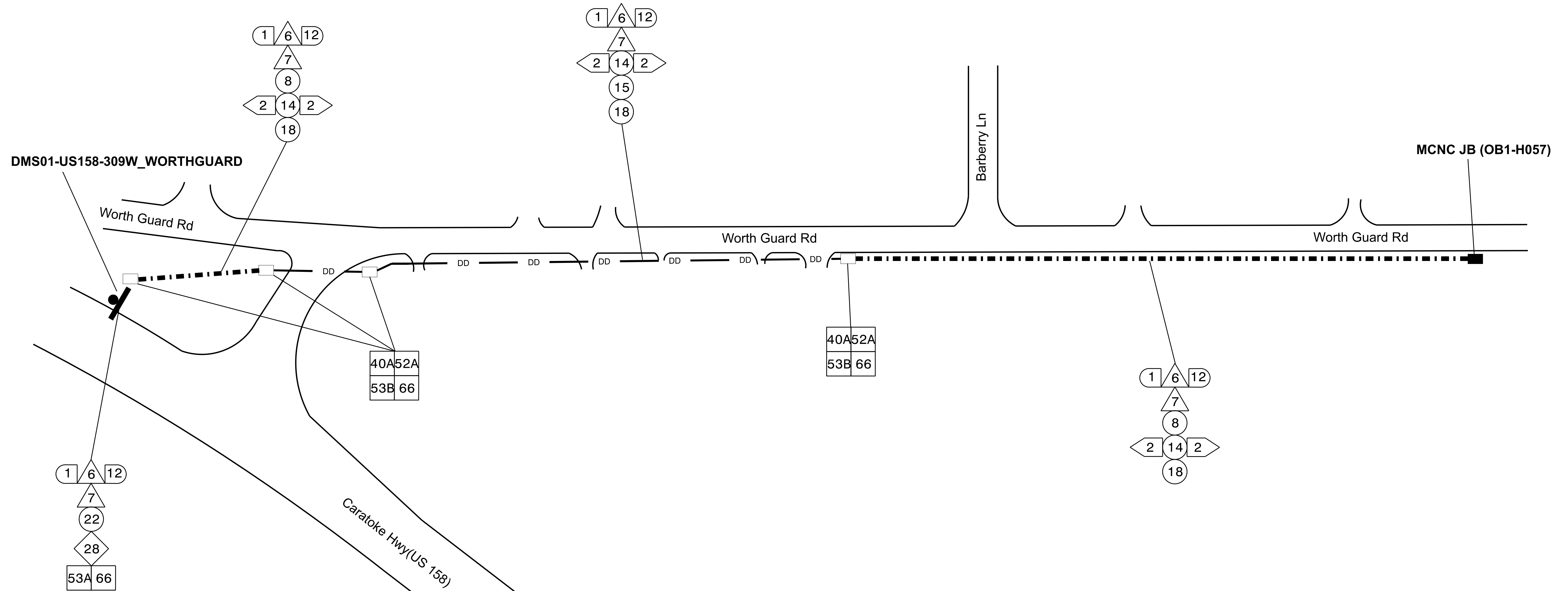
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Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	CABLE ROUTING PLANS		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER NATHAN P DOMINGUEZ 055078 DocuSigned by Nathan Dominguez 05/04/2026
	DIVISION 1 PLAN DATE: NOVEMBER 2025 PREPARED BY: J. WALDEN	CURRITUCK CO. REVIEWED BY: N. DOMINGUEZ, PE REVISIONS INIT. DATE	

COINJOCK DMS

GPS: 36.351542, -75.958681



NOTES:

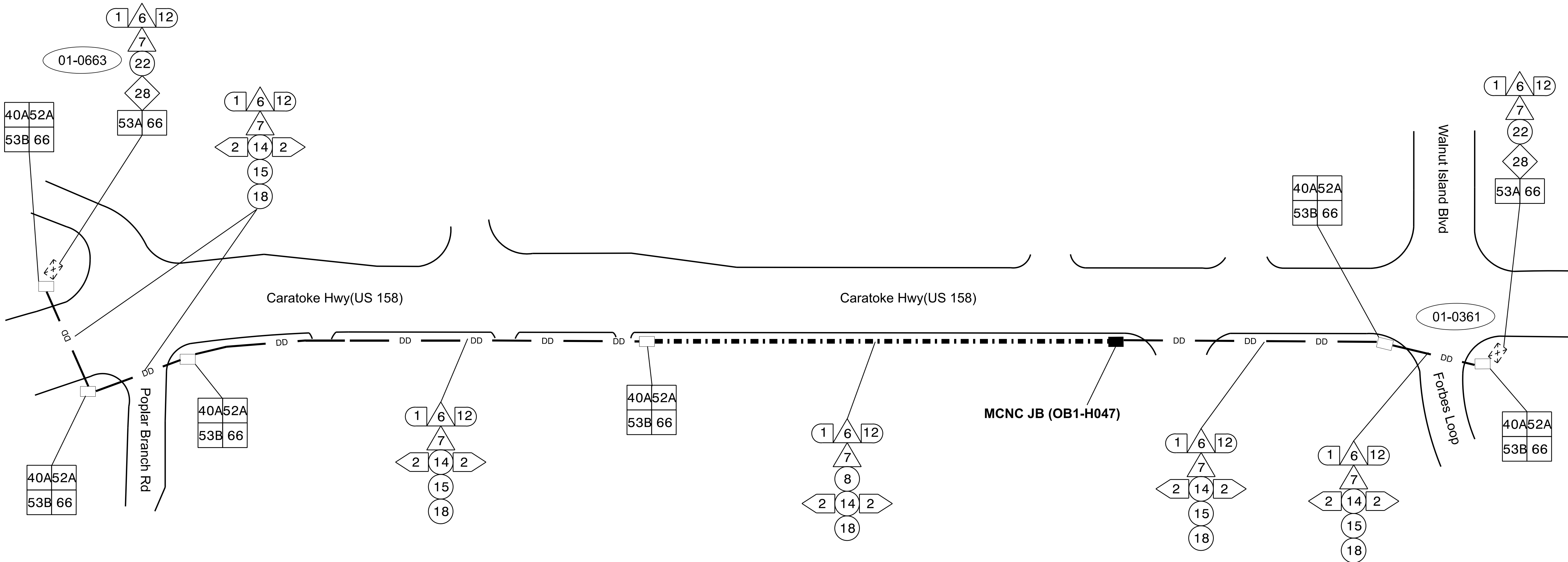
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Prepared in the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529	CABLE ROUTING PLANS	SEAL 																		
DIVISION 1 CURRITUCK CO COINJOCK																				
PLAN DATE: NOVEMBER 2025 REVIEWED BY: N. DOMINGUEZ, PE																				
PREPARED BY: J. WALDEN																				
SCALE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">REVISONS</th> <th style="width: 20%;">INT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISONS	INT.	DATE															
REVISONS	INT.	DATE																		
DocuSigned by  05/04/2026																				

GRANDY TIE-IN
GPS: 36.242637, -75.878323

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-12



- NOTES:
- 1) SIX (6) WEEKS PRIOR TO BEGINNING WORK CONTACT THE DIVISION 1 DEPUTY DIVISION TRAFFIC ENGINEER. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS OPERATIONAL.
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Prepared in the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

SCALE

0

NTS

CABLE ROUTING PLANS

DIVISION 1 CURRITUCK CO. GRANDY

PLAN DATE: NOVEMBER 2025 REVIEWED BY: N. DOMINGUEZ, PE

PREPARED BY: J. WALDEN

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

055078

ENGINEER

NATHAN P. DOMINGUEZ

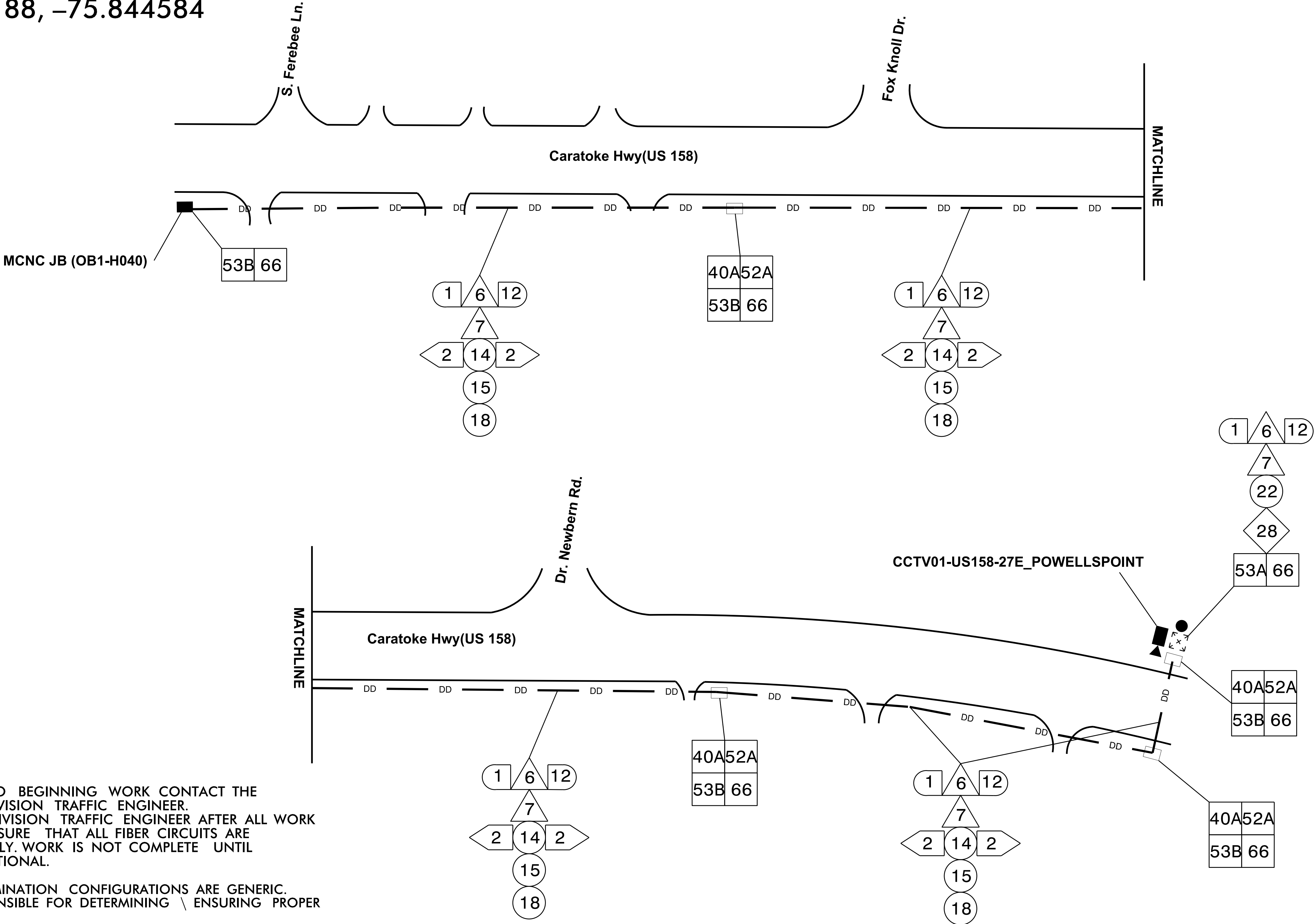
DocuSigned by

05/04/2026

Nathan Dominguez

POWELLS POINT CCTV
GPS: 36.1440188, -75.844584

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-13



NOTES:

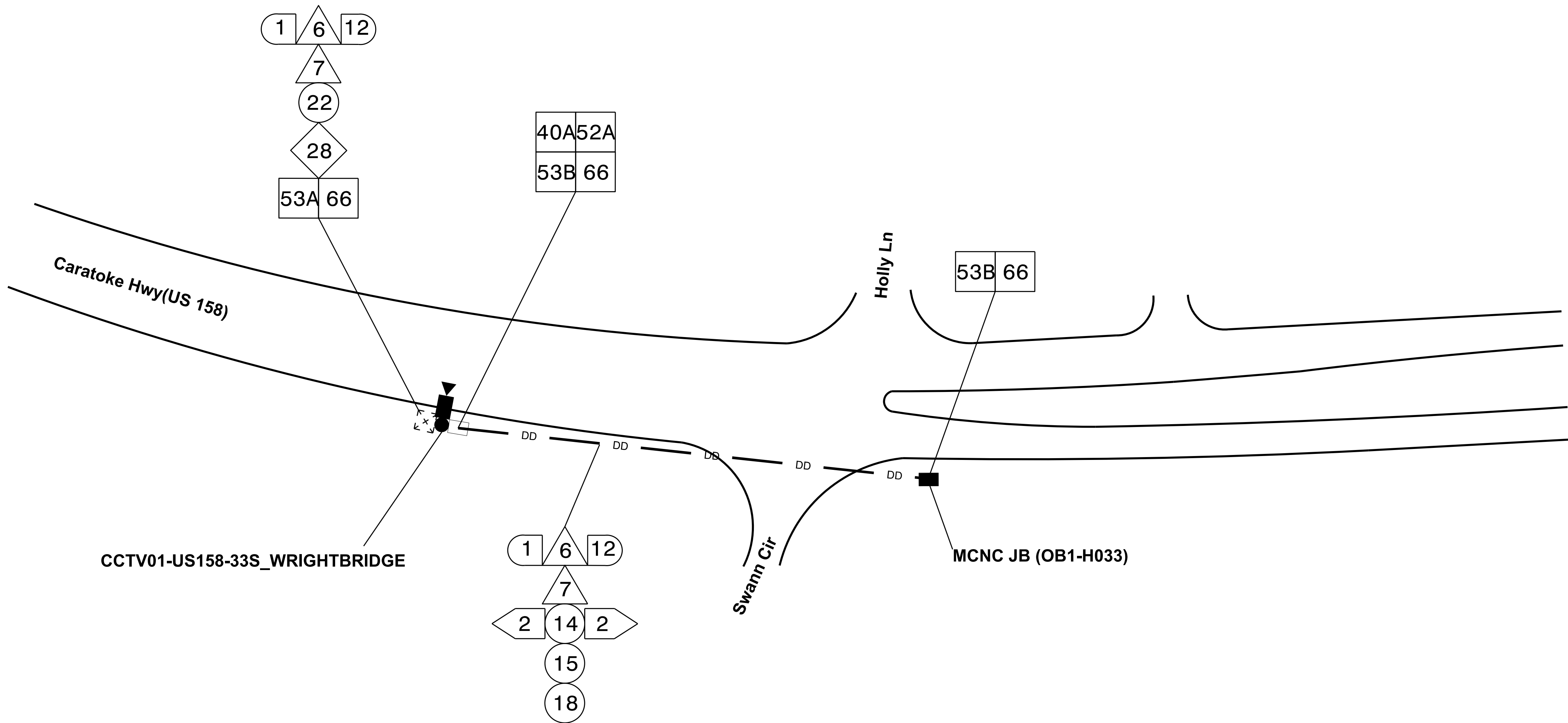
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Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	CABLE ROUTING PLANS DIVISION 1 CURRITUCK COUNTY POWELLS POINT PLAN DATE: NOVEMBER 2025 REVIEWED BY: N. DOMINGUEZ, PE PREPARED BY: B. CHRISTIAN REVISIONS INIT. DATE NTS	SEAL NORTH CAROLINA PROFESSIONAL SEAL 055078 ENGINEER NATHAN P. DOMINGUEZ 05/04/2026 Nathan Dominguez
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POINT HARBOR CCTV
GPS: 36.079684, -75.793058

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-14



NOTES:

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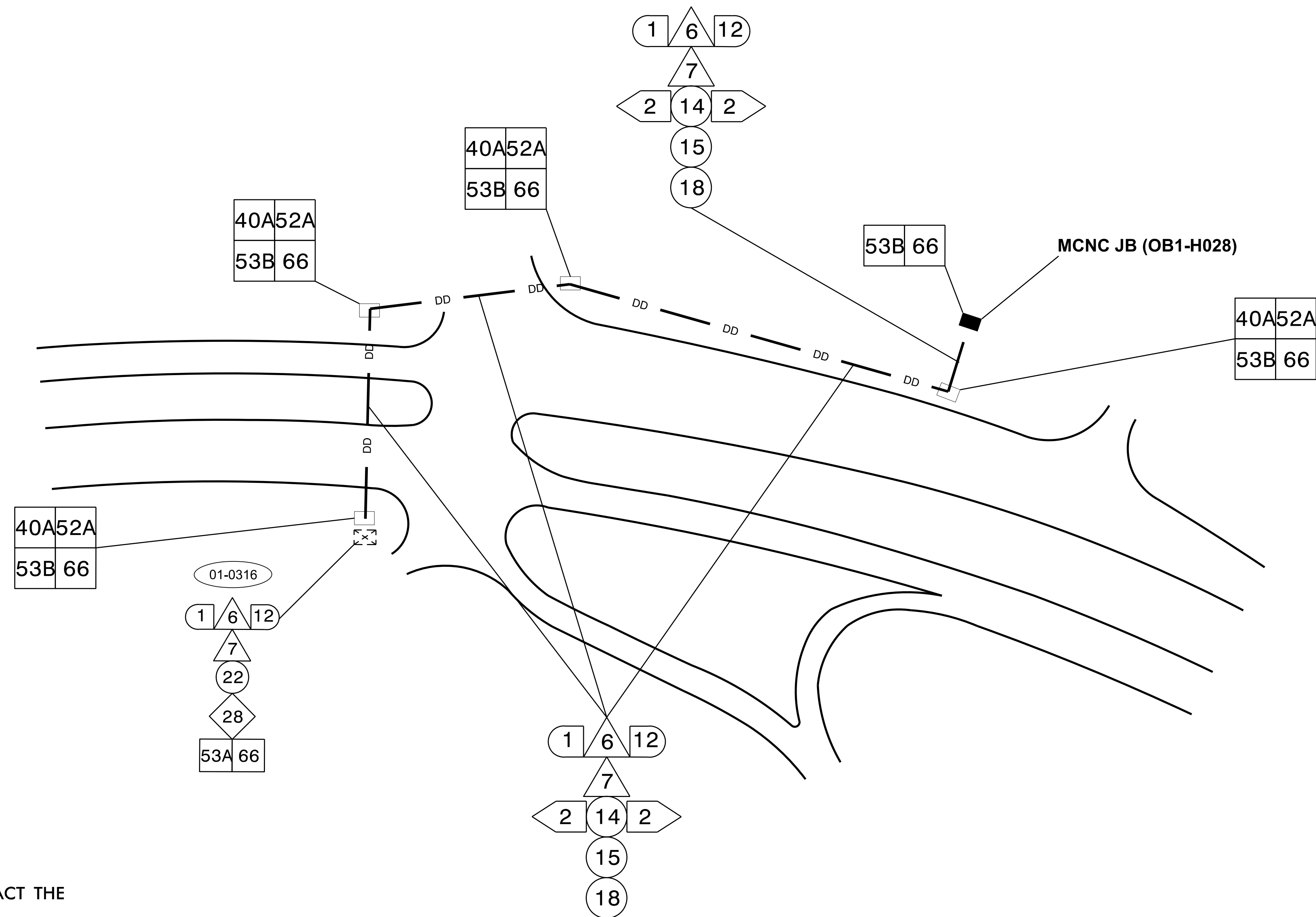
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL	
			
750 N. Greenfield Pkwy., Garner, NC 27529		Nathan P. Dominguez	
SCALE		DATE	
NTS		05/04/2026	

CABLE ROUTING PLANS	
DIVISION 1	CURRITUCK COUNTY
PLAN DATE: NOVEMBER 2025	REVIEWED BY: N. DOMINGUEZ, PE
PREPARED BY: B. CHRISTIAN	
REVISIONS	INIT. DATE

WELCOME CTR TIE-IN
GPS: 36.099028, -75.715088

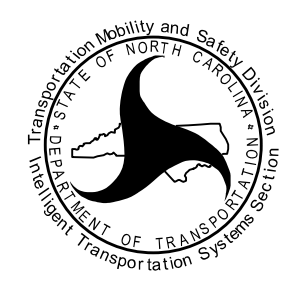
PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-15



NOTES:

- 1) SIX (6) WEEKS PRIOR TO BEGINNING WORK CONTACT THE DIVISION 1 DEPUTY DIVISION TRAFFIC ENGINEER. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS OPERATIONAL.
- 2) ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
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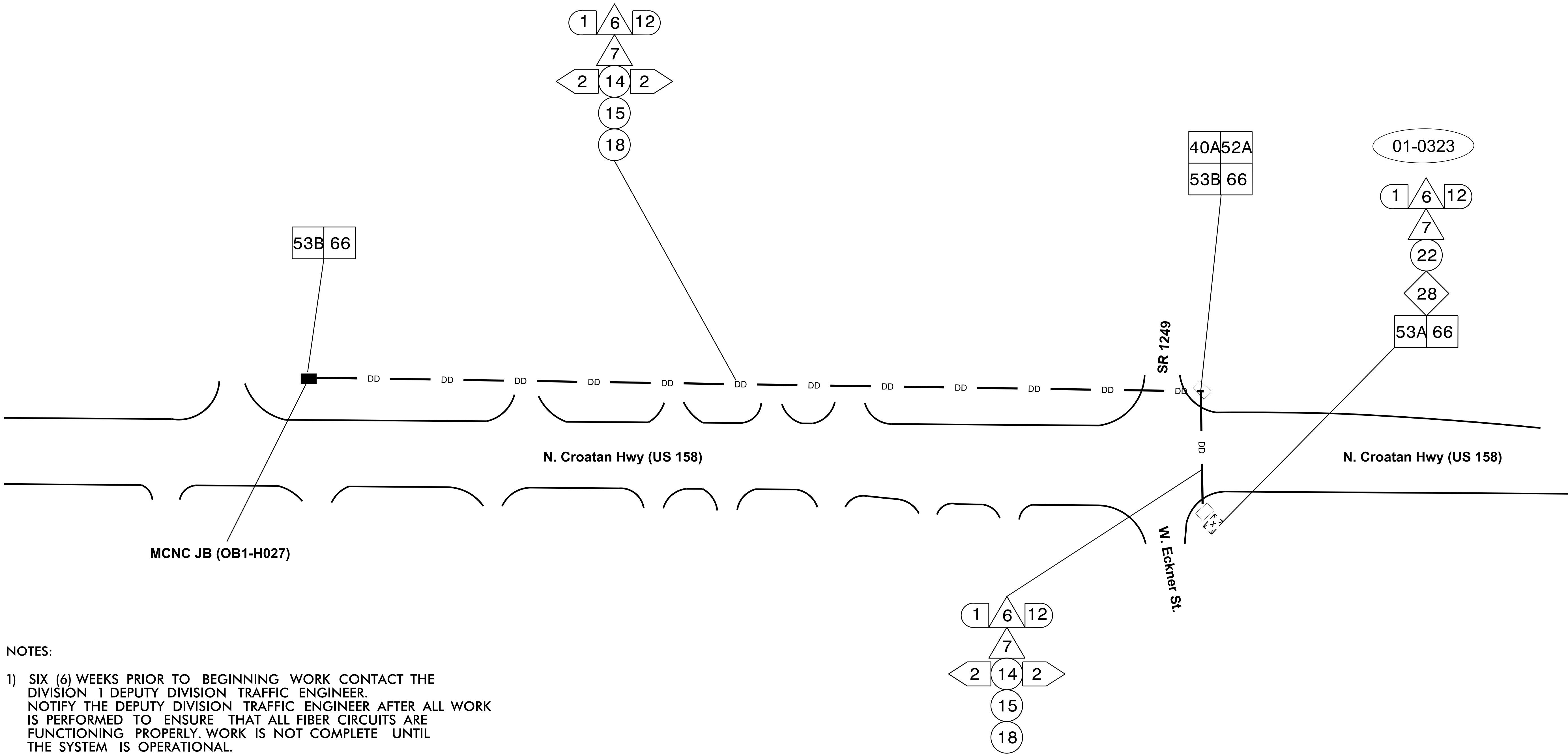
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL	
			
750 N. Greenfield Pkwy., Garner, NC 27529		Nathan P. Dominguez	
SCALE		DATE	
NTS		05/04/2026	

CABLE ROUTING PLANS	
DIVISION 1	DARE COUNTY
PLAN DATE: NOVEMBER 2025	REVIEWED BY: N. DOMINGUEZ, PE
PREPARED BY: B. CHRISTIAN	
REVISIONS	INIT. DATE

ECKNER ST. SIGNAL
GPS: 36.086455, -75.706102

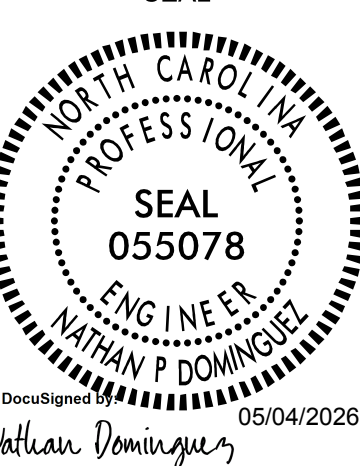
PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-16



NOTES:

- 1) SIX (6) WEEKS PRIOR TO BEGINNING WORK CONTACT THE DIVISION 1 DEPUTY DIVISION TRAFFIC ENGINEER. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SYSTEM IS OPERATIONAL.
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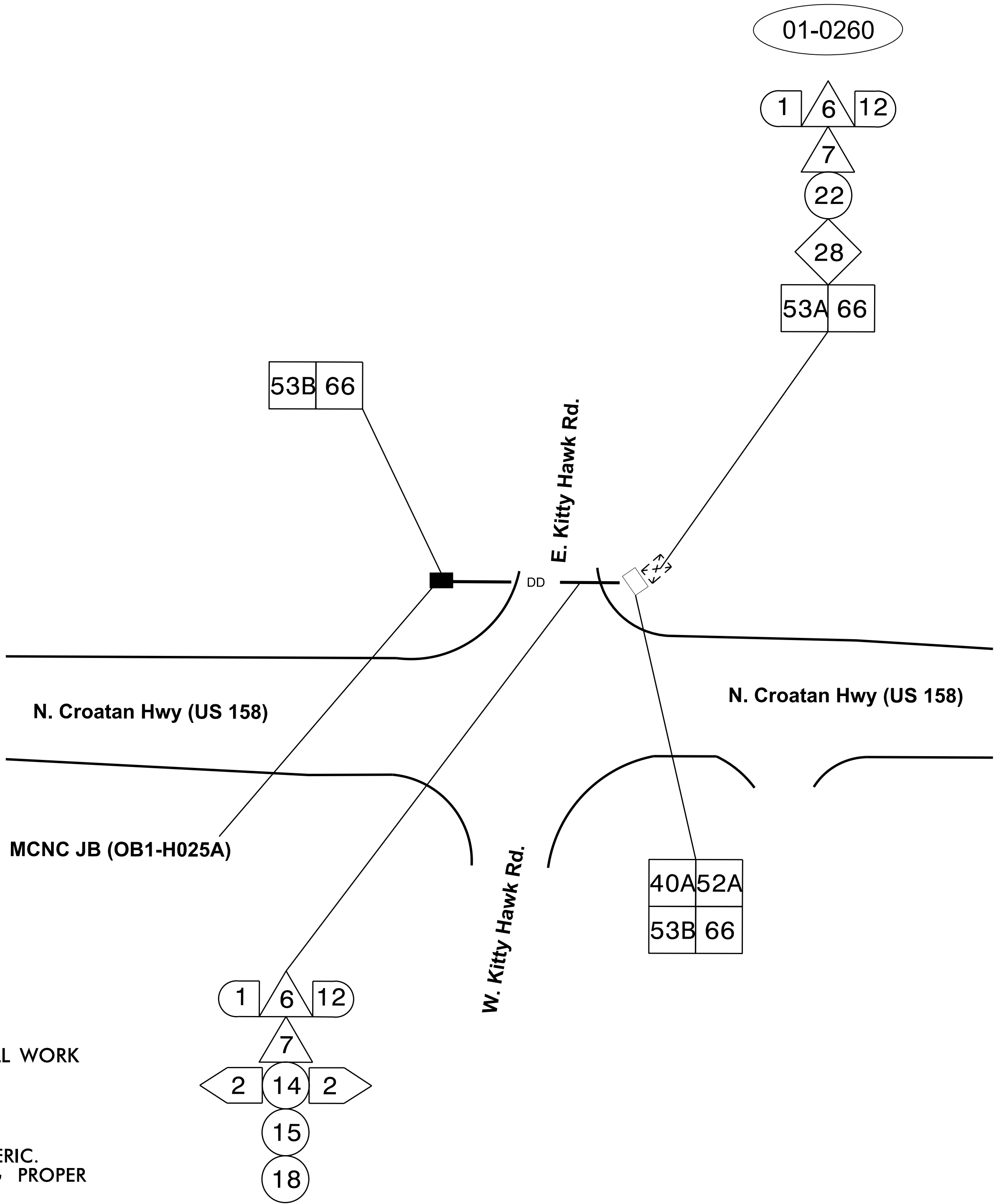
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL	
			
750 N. Greenfield Pkwy., Garner, NC 27529		Nathan P. Dominguez	
SCALE		DATE	
NTS		05/04/2026	

CABLE ROUTING PLANS	
DIVISION 1	DARE COUNTY
PLAN DATE: NOVEMBER 2025	REVIEWED BY: N. DOMINGUEZ, PE
PREPARED BY: B. CHRISTIAN	
REVISIONS	INIT. DATE

KITTY HAWK TIE-IN
GPS: 36.066427, -75.693540

PROJECT REFERENCE NO.	SHEET NO.
DIV 1 MCNC	ITS-17



NOTES:

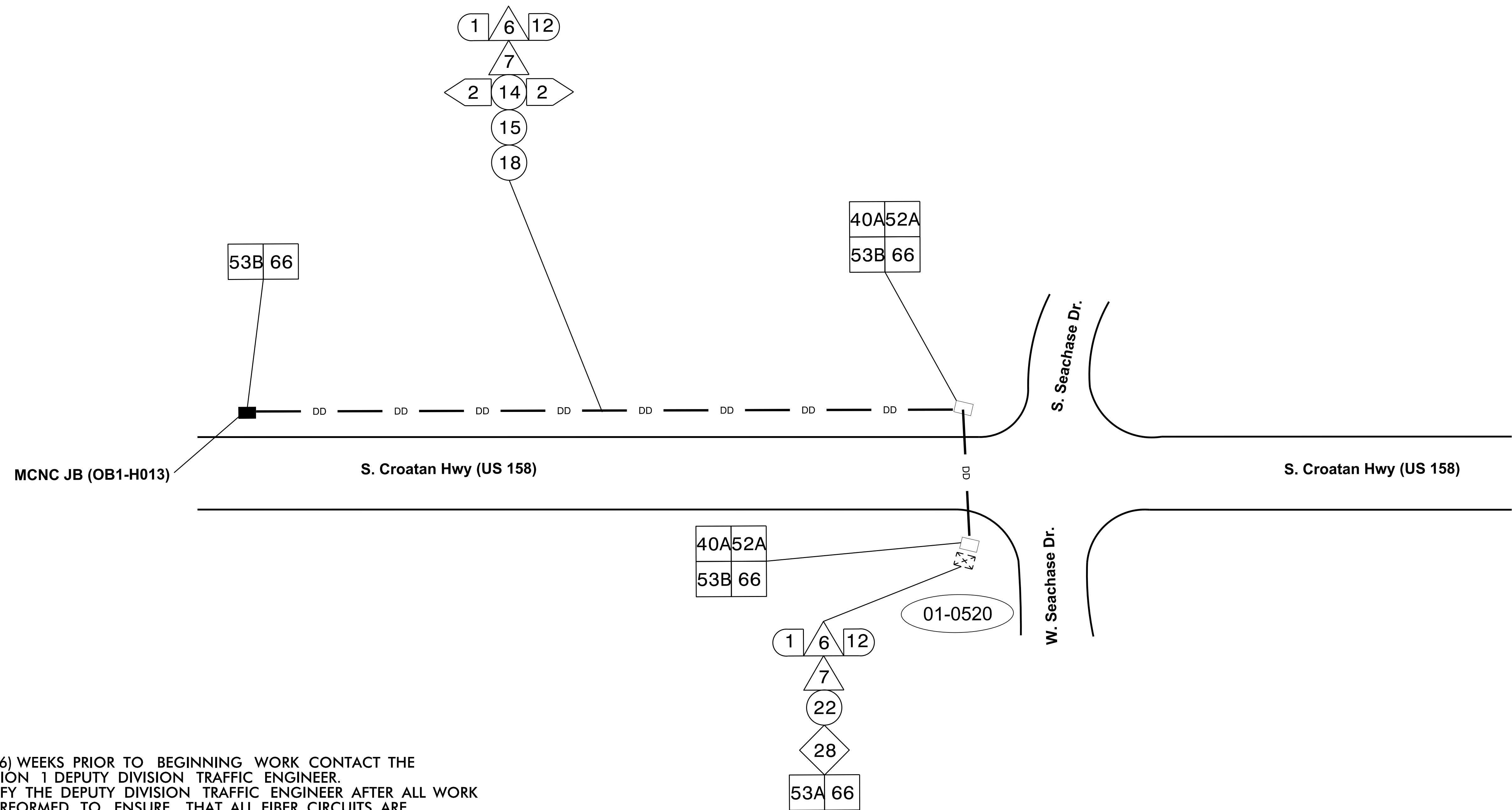
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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL	
			
750 N. Greenfield Pkwy., Garner, NC 27529		Nathan P. Dominguez	
SCALE		DATE	
NTS		05/04/2026	

CABLE ROUTING PLANS	
DIVISION 1	DARE COUNTY KITTY HAWK
PLAN DATE: NOVEMBER 2025	REVIEWED BY: N. DOMINGUEZ, PE
PREPARED BY: B. CHRISTIAN	
REVISIONS	INIT. DATE

SEACHASE TIE-IN
GPS: 35.929539, -75.610837



NOTES:

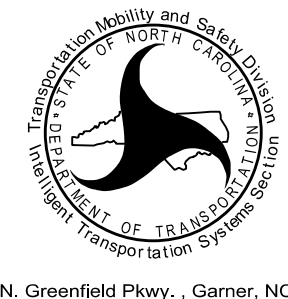
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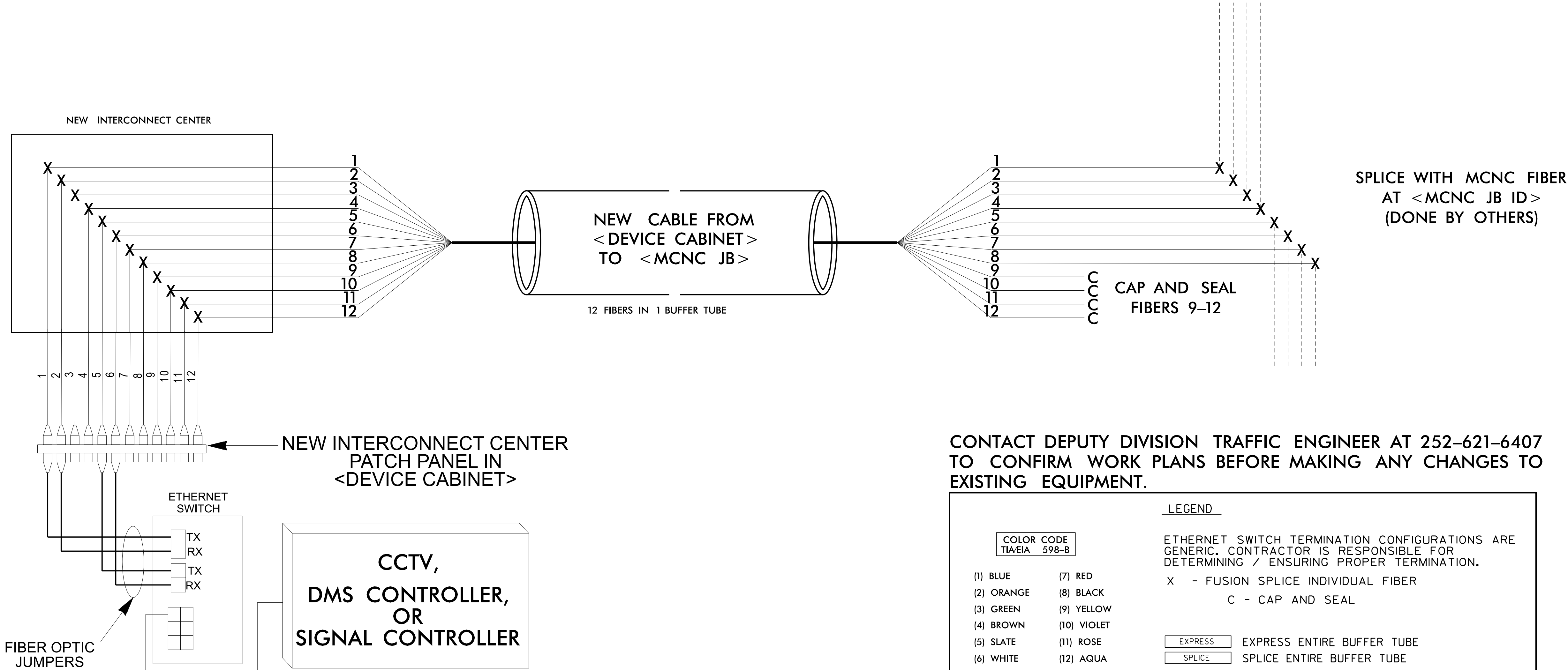
Prepared in the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529		CABLE ROUTING PLANS			SEAL 		
		DIVISION 1		DARE COUNTY		SEACHASE	
		PLAN DATE: NOVEMBER 2025		REVIEWED BY: N. DOMINGUEZ, PE			
		PREPARED BY: B. CHRISTIAN					
SCALE		REVISIONS		INIT.		DATE	
 NTS							
						DocuSigned by <i>Nathan Dominguez</i> 05/04/2026	

SHEET	LOCATION	DEVICE ID	MCNC JB ID
ITS-03	MORGANS CORNER GPS: 36.414690, -76.341110	SIGNAL CABINET 01-0314	HUB CABINET
ITS-04	TMC GPS: 36.342796, -76.257174	TMC CABINET	NE3-H070
ITS-5A	SLIGO DMS GPS: 36.456211, -76.089116	DMS CABINET	OB1-H079
ITS-5B	SLIGO SIGNAL GPS: 36.452526, -76.075999	SIGNAL CABINET 01-0252	OB1-H079
ITS-06	TULLS CREEK GPS: 36.455318, -76.029287	SIGNAL CABINET 01-0744	OB1-H075
ITS-07	MAPLE DMS GPS: 36.404049, -75.990561	DMS CABINET	OB1-H068
ITS-08	BARCO SIGNAL GPS: 36.386250, -75.976572	SIGNAL CABINET 01-0251	OB1-H065
ITS-08	BARCO CCTV GPS: 36.385280, -75.975165	CCTV CABINET	OB1-H065
ITS-09	CCHS GPS: 36.368810, -75.970373	SIGNAL CABINET 01-0031	OB1-H061
ITS-10	COINJOCK DMS GPS: 36.351542, -75.958681	DMS CABINET	OB1-H057
ITS-11	LCVFD SIGNAL GPS: 36.247526, -75.887719	SIGNAL CABINET 01-0667	OB1-H048
ITS-12	GRANDY TIE-IN GPS: 36.242637, -75.878323	SIGNAL CABINET 01-0361 SIGNAL CABINET 01-0663	OB1-H047
ITS-13	POWELLS POINT CCTV GPS: 36.1440188, -75.844584	CCTV CABINET	OB1-H040
ITS-14	POINT HARBOR CCTV GPS: 36.079684, -75.793058	CCTV CABINET	OB1-H033
ITS-15	WELCOME CTR TIE-IN GPS: 36.099028, -75.715088	SIGNAL CABINET 01-0316	OB1-H028
ITS-16	ECKNER ST. SIGNAL GPS: 36.086455, -75.706102	SIGNAL CABINET 01-0323	OB1-H027
ITS-17	KITTY HAWK TIE-IN GPS: 36.066427, -75.693540	SIGNAL CABINET 01-0260	OB1-H025A
ITS-18	SEACHASE TIE-IN GPS: 35.929539, -75.610837	SIGNAL CABINET 01-0520	OB1-H013

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER NATHAN P. DOMINGUEZ	
 750 N. Greenfield Pkwy., Garner, NC 27529			
DIVISION 1		SEAL 055078	
PLAN DATE: NOVEMBER 2025		REVIEWED BY: N. DOMINGUEZ, PE	
PREPARED BY: B. CHRISTIAN		INIT. DATE	
REVISIONS		DATE	
NTS		05/04/2026	
		DocuSigned by: Nathan Dominguez	

SEE CHART ON ITS-19 FOR
INDIVIDUAL
<DEVICE LOCATION>
AND
<MCNC JB>
ASSIGNMENTS



CONTACT DEPUTY DIVISION TRAFFIC ENGINEER AT 252-621-6407
TO CONFIRM WORK PLANS BEFORE MAKING ANY CHANGES TO
EXISTING EQUIPMENT.

COLOR CODE
TIA/EIA 598-B

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE
GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

X - FUSION SPLICE INDIVIDUAL FIBER

C - CAP AND SEAL

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

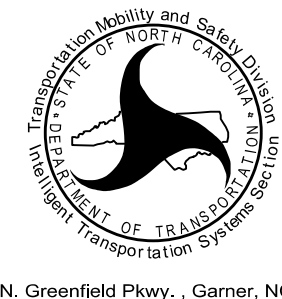
SPLICE

SPLICE ENTIRE BUFFER TUBE

- NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY –
ACTUAL EQUIPMENT FORM MAY VARY.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

DIVISION 1

PLAN DATE: NOVEMBER 2025

PREPARED BY: B. CHRISTIAN

REVIEWED BY: N. DOMINGUEZ, PE

NTS

REVISIONS

INIT.

DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
055078
ENGINEER
NATHAN P. DOMINGUEZ

DocuSigned by:
Nathan Dominguez

05/04/2026

SPLICE DETAIL