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**TIP PROJECT: I-5943**

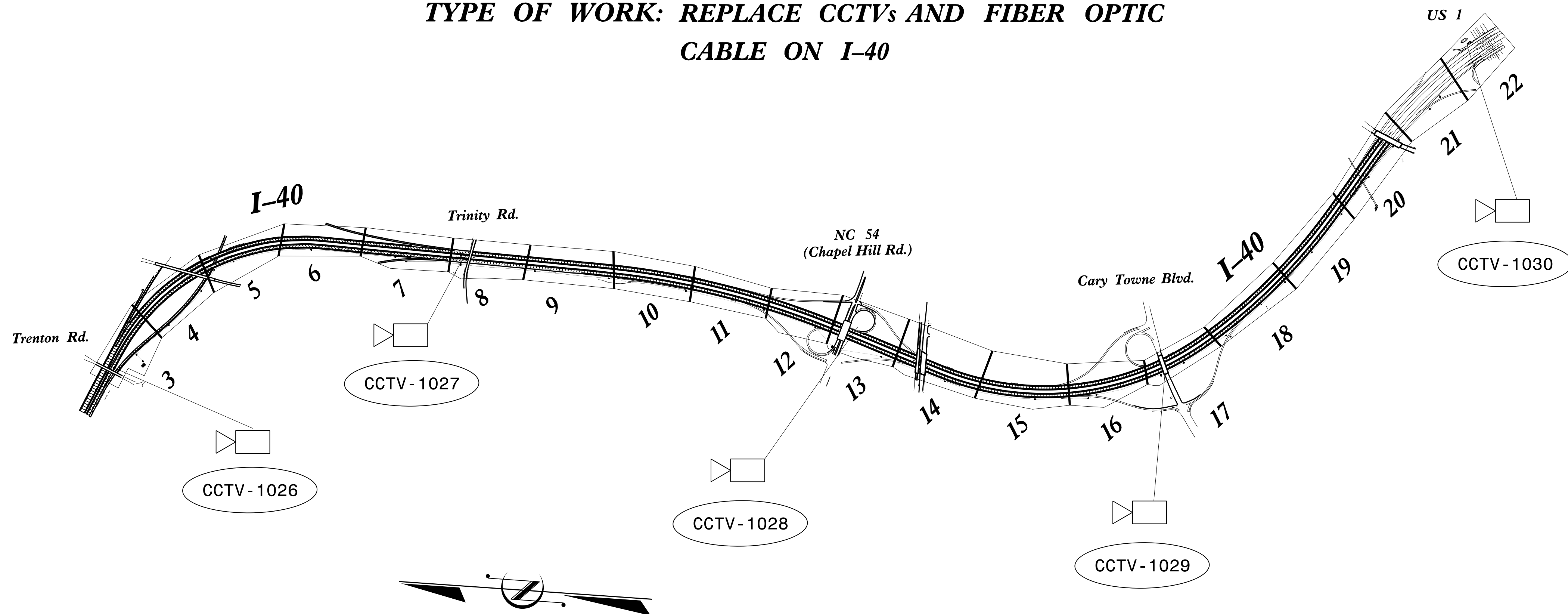
**CONTRACT: C204694**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**WAKE COUNTY**

**LOCATION: I-40 BETWEEN WADE AVE. AND US 1**

**TYPE OF WORK: REPLACE CCTVs AND FIBER OPTIC CABLE ON I-40**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	I-5943	ITS-1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
45886.1.1	0040107	PE
45886.3.1	0040107	CONST.

**2018 STANDARD SPECIFICATION**

PROJECT LENGTH  
PROJECT LENGTH = 4 MILES

LETTING DATE:  
MARCH 15, 2022

**INDEX OF SHEETS**

SHEET ITS 1 ..... TITLE SHEET  
SHEET ITS 2 ..... CONSTRUCTION NOTES  
SHEET ITS 3-22 ..... ITS PLANS  
SHEET ITS 23-27 ..... SPLICE DETAILS

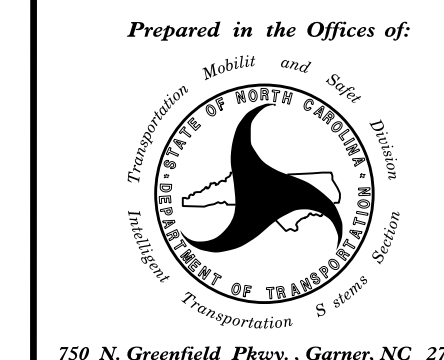
**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

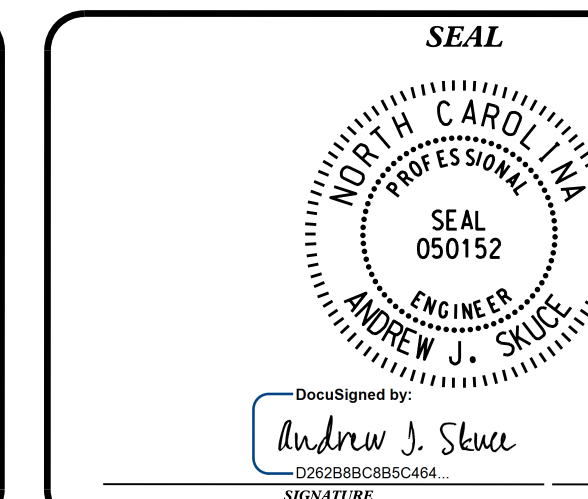
STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1715.01	UNDERGROUND CONDUIT-TRENCHING
1716.01	JUNCTION BOXES

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**NCDOT CONTACT:**  
**TRANSPORTATION MOBILITY AND SAFETY**  
M.M. MCDIARMID, P.E., CPM  
STATE TRANSPORTATION SYSTEMS  
MANAGEMENT & OPERATIONS ENGINEER



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



- 1 INSTALL 3-WIRE COPPER SERVICE ENTRANCE CONDUCTORS
- 2 INSTALL 4-WIRE COPPER FEEDER CONDUCTORS
- 3 INSTALL 3-WIRE COPPER FEEDER CONDUCTORS
- 4 INSTALL SMFO CABLE
- 5 REUSE 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 POLYETHYLENE CONDUIT IN EXISTING OUTERDUCT
- 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 NEW POLE MOUNTED CABINET
- 25 INSTALL NEW RISER INTO NEW POLE MOUNTED CABINET
- 26 TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
- 27 INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
- 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET
- 29 INSTALL UNDERGROUND SPLICE ENCLOSURE
- 30 MODIFY EXISTING SPLICE ENCLOSURE /INTERCONNECT CENTER
- 31 MODIFY EXISTING BASE MOUNTED SPLICE CABINET
- 32 INSTALL BASE MOUNTED SPLICE CABINET
- 33 REMOVE EXISTING SPLICE CABINET
- 34 INSTALL CABINET FOUNDATION

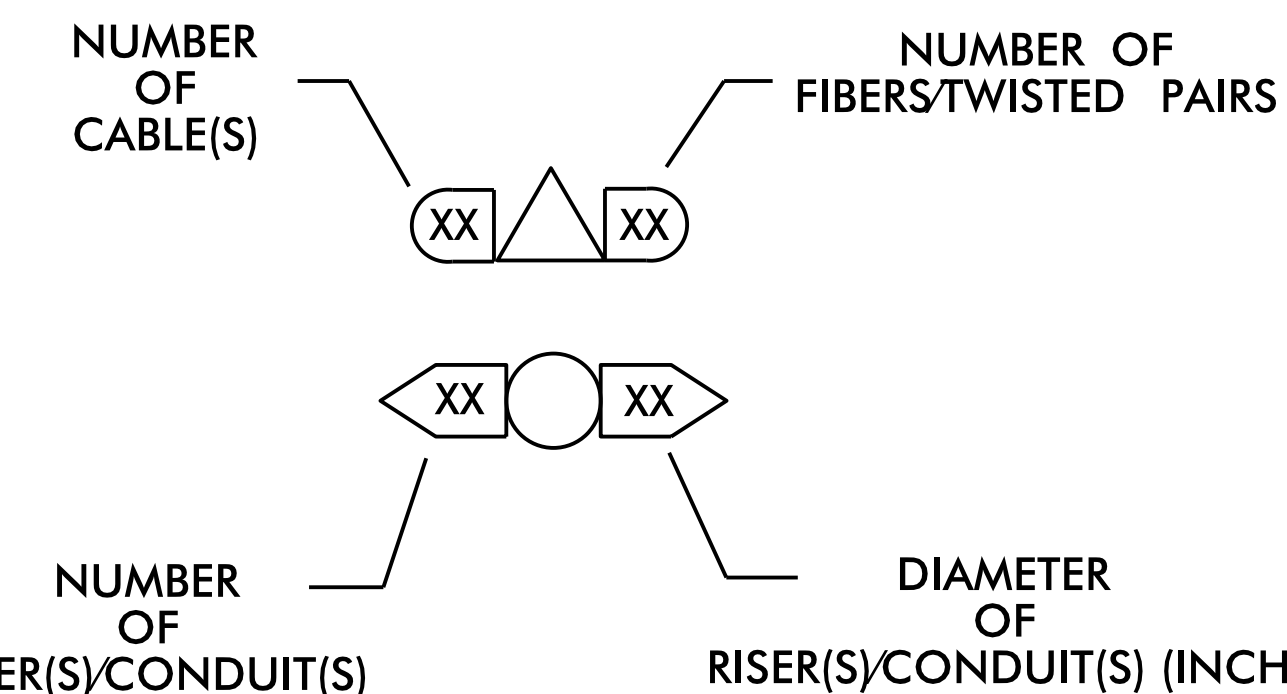
- 35 INSTALL CCTV CAMERA POLE MOUNTED CABINET
- 36 INSTALL CCTV CAMERA ASSEMBLY
- 37 INSTALL CCTV CAMERA METAL POLE WITH LOWERING DEVICE AND FOUNDATION
- 38 INSTALL CCTV WOOD POLE
- 39 INSTALL STANDARD JUNCTION BOX
- 40 INSTALL OVERSIZED HEAVY DUTY JUNCTION BOX
- 41 INSTALL SPECIAL OVERSIZED JUNCTION BOX
- 42 INSTALL WOOD POLE
- 43 INSTALL 6" x 6" WOOD PEDESTAL
- 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 BOND TRACER WIRE TO EQUIPMENT GROUND BUS
- 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
- 52 INSTALL DELINEATOR MARKER
- 53 STORE 50 FEET OF COMMUNICATIONS CABLE
- 54 LASH CABLE(S) TO NEW MESSENGER CABLE
- 55 INSTALL 10KVA SINGLE PHASE TRANSFORMER
- 56 INSTALL NEW EQUIPMENT CABINET DISCONNECT
- 57 MODIFY EXISTING ELECTRICAL SERVICE
- 58 INSTALL NEW ELECTRICAL SERVICE
- 59 INSTALL NEW POLE MOUNTED CABINET
- 60 INSTALL NEW ETHERNET EDGE SWITCH
- 61 INSTALL SOLAR POWER ASSEMBLY
- 62 INSTALL DMS ASSEMBLY
- 63 INSTALL CCTV EXTENSION POLE
- 64 INSTALL NCDOT SUPPLIED MODEM
- 65 INSTALL HEAT SHRINK TUBING RETROFIT KIT
- 66 REMOVE EXISTING 3-WIRE COPPER FEEDER CONDUCTORS
- 67 REMOVE EXISTING JUNCTION BOX
- 68 REUSE EXISTING FEEDER CONDUCTORS
- 69 BOND RISER TO POLE GROUND

**LEGEND**

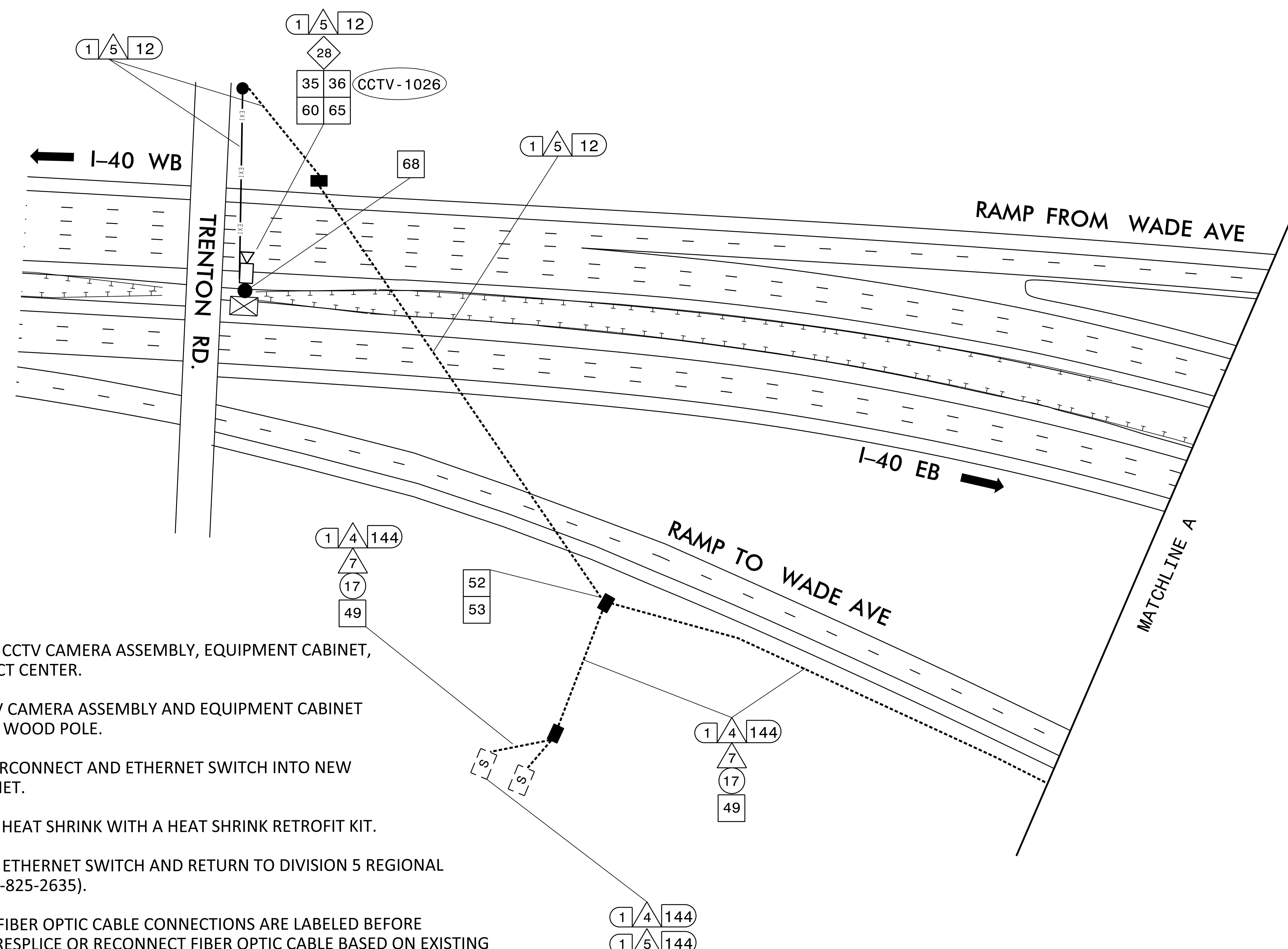
- NEW FIBER OPTIC COMMUNICATIONS CABLE
- EXISTING FIBER OPTIC COMMUNICATIONS CABLE
- NEW CONDUIT
- EXISTING CONDUIT
- NEW DIRECTIONAL DRILLED CONDUIT
- NEW BORED AND JACKED CONDUIT
- NEW GUARDRAIL
- EXISTING GUARDRAIL
- EXISTING CONTROLLED ACCESS FENCE
- NEW JUNCTION BOX
- EXISTING JUNCTION BOX
- NEW WOOD POLE
- EXISTING WOOD POLE
- NEW SPLICE ENCLOSURE
- EXISTING SPLICE ENCLOSURE
- NEW METAL POLE
- NEW CCTV CAMERA ASSEMBLY
- PROPOSED PEDESTAL-MOUNTED DMS STRUCTURE
- EXISTING PEDESTAL-MOUNTED DMS STRUCTURE
- NEW STANDARD GUY ASSEMBLY
- NEW ELECTRICAL SERVICE
- EXISTING ELECTRICAL SERVICE
- EXISTING SLICE CABINET
- NEW ITS DEVICE 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)
- INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)



	<b>CONSTRUCTION NOTES AND LEGEND</b>		SEAL 
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 REVIEWED BY: A. J. SKUCE PREPARED BY: J. WALDEN REVIEWED BY:		
SCALE 0 N/A	REVISIONS  	INIT.  	DATE Nov 30, 2021 Andrew J. Skuce SIGNATURE

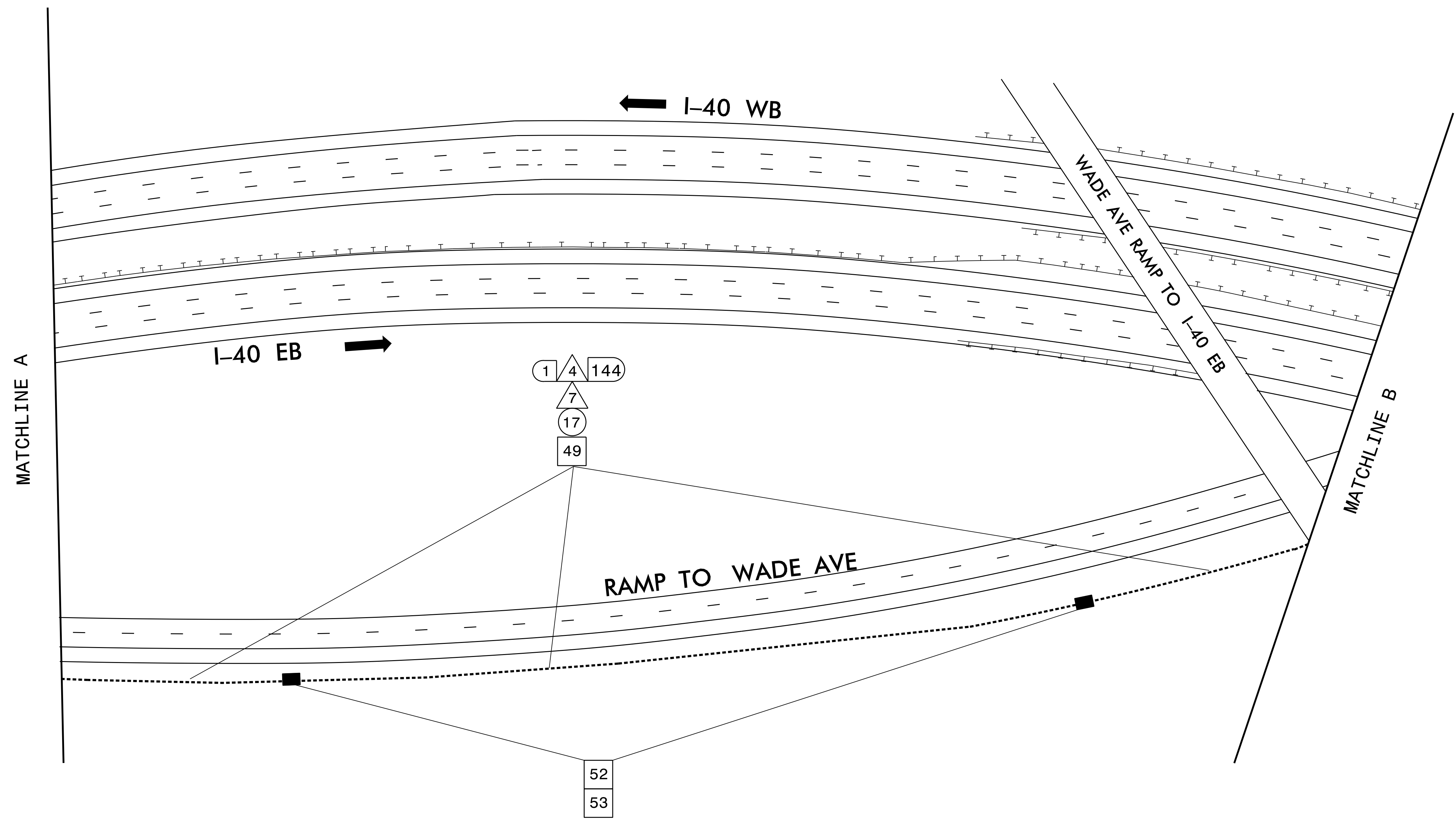


**NOTES**

1. REMOVE EXISTING CCTV CAMERA ASSEMBLY, EQUIPMENT CABINET, AND INTERCONNECT CENTER.
2. INSTALL NEW CCTV CAMERA ASSEMBLY AND EQUIPMENT CABINET ON EXISTING CCTV WOOD POLE.
3. INSTALL NEW INTERCONNECT AND ETHERNET SWITCH INTO NEW EQUIPMENT CABINET.
4. REPLACE EXISTING HEAT SHRINK WITH A HEAT SHRINK RETROFIT KIT.
5. REMOVE EXISTING ETHERNET SWITCH AND RETURN TO DIVISION 5 REGIONAL ITS ENGINEER (919-825-2635).
6. ENSURE EXISTING FIBER OPTIC CABLE CONNECTIONS ARE LABELED BEFORE DISCONNECTING. RESPLICE OR RECONNECT FIBER OPTIC CABLE BASED ON EXISTING TERMINATION CONFIGURATION. WORK IS NOT COMPLETE UNTIL ALL FIBER OPTIC COMMUNICATIONS ARE OPERATIONAL.
7. REMOVE EXISTING 144-FIBER CABLE ROUTED TO I-40 EAST. DO NOT DISTURB OTHER EXISTING FIBER OPTIC CABLES.
8. CONTRACTOR SHALL MAINTAIN AND RE-USE EXISTING ELECTRICAL SERVICE AND FEEDER CONDUCTORS.
9. INSTALL MOLDABLE DUCT SEAL ON ALL CONDUITS CONTAINING FIBER OPTIC CABLE AND FEEDER CONDUCTORS.

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

	<b>ITS DEVICE REPLACEMENT</b>	
	DIVISION 05 WAKE CO.	
750 N. Greenfield Pkwy., Garner, NC 27529 	PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:
SCALE: 0 	REVISIONS INIT. DATE	DATE: NOV 30, 2021

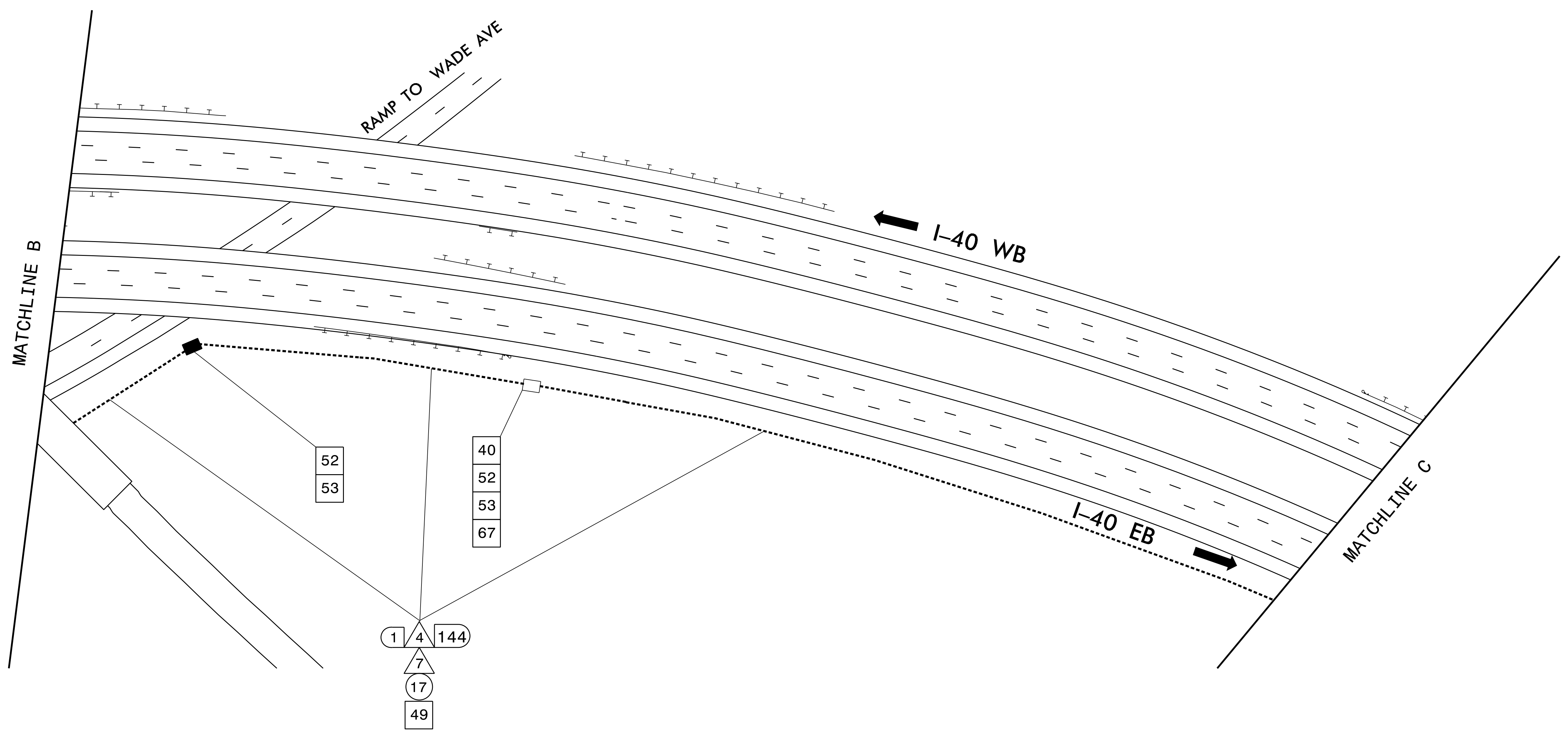


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<p>750 N. Greenfield Pkwy., Garner, NC 27529</p>	<p><b>ITS DEVICE REPLACEMENT</b></p>		
	<p>DIVISION 05 WAKE CO.</p> <p>PLAN DATE: NOVEMBER 2021</p> <p>PREPARED BY: J. WALDEN</p>	<p>REVIEWED BY: A. J. SKUCE, PE</p> <p>REVIEWED BY:</p>	
<p>Prepared in the Offices of:</p>		<p>DocuSigned by: Andrew J. Skuce Nov 30, 2021</p>	

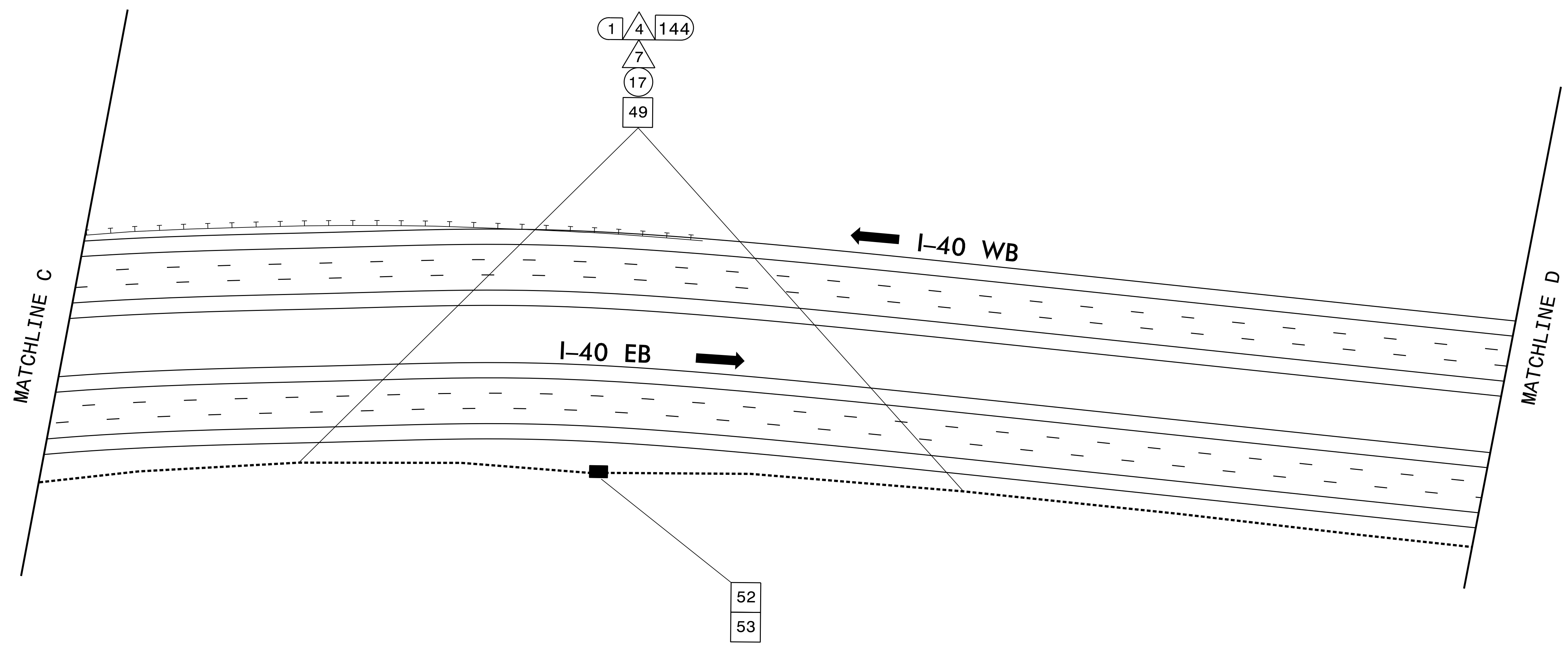


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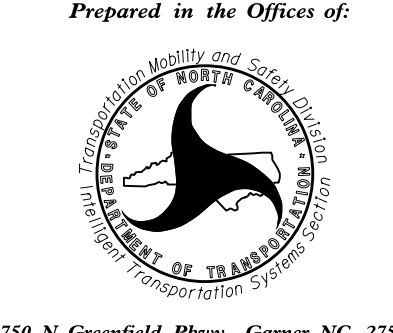
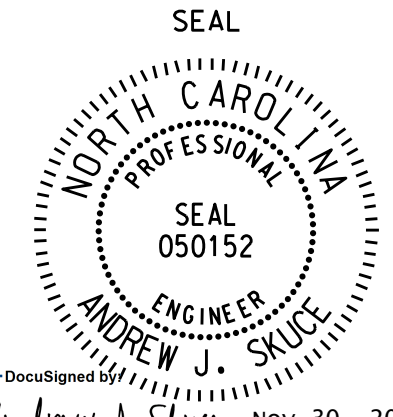
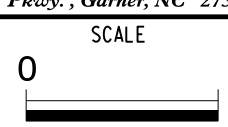
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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN REVISIONS: _____ INIT: _____ DATE: _____		

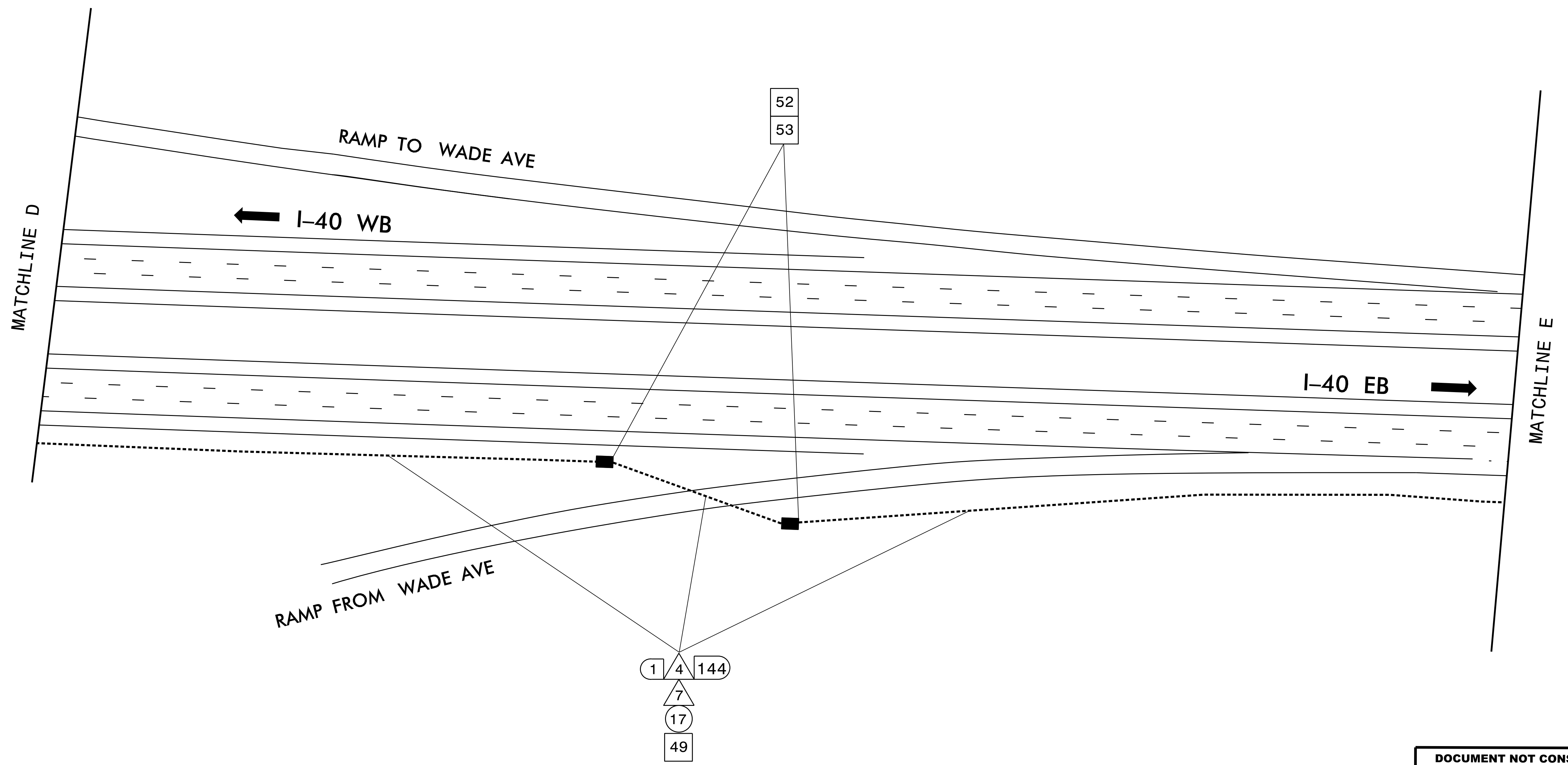


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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN		
SCALE 	REVISIONS	INIT.	DATE
			Andrew J. Skuce NOV 30, 2021 <small>DATE</small>



**NOTES**

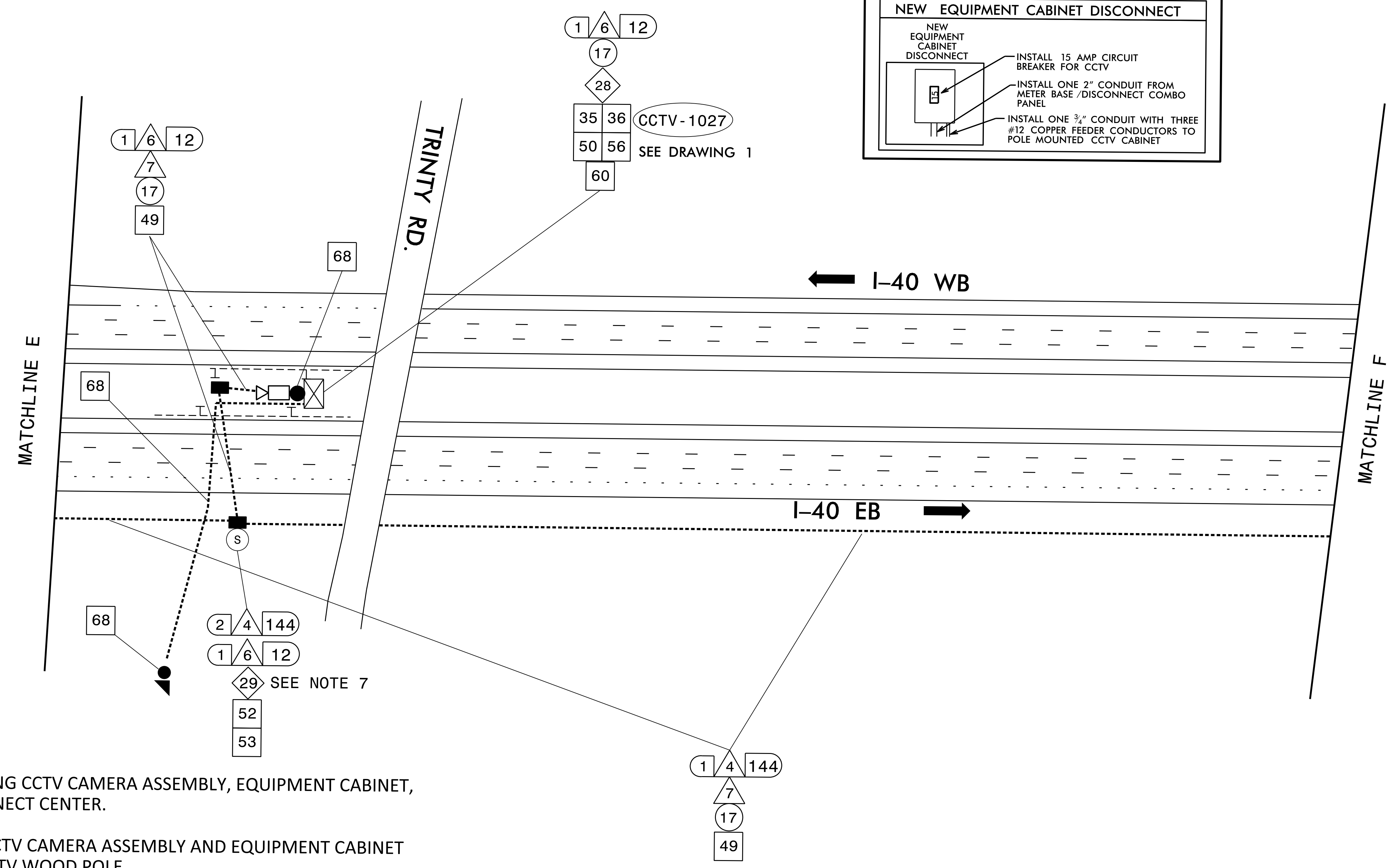
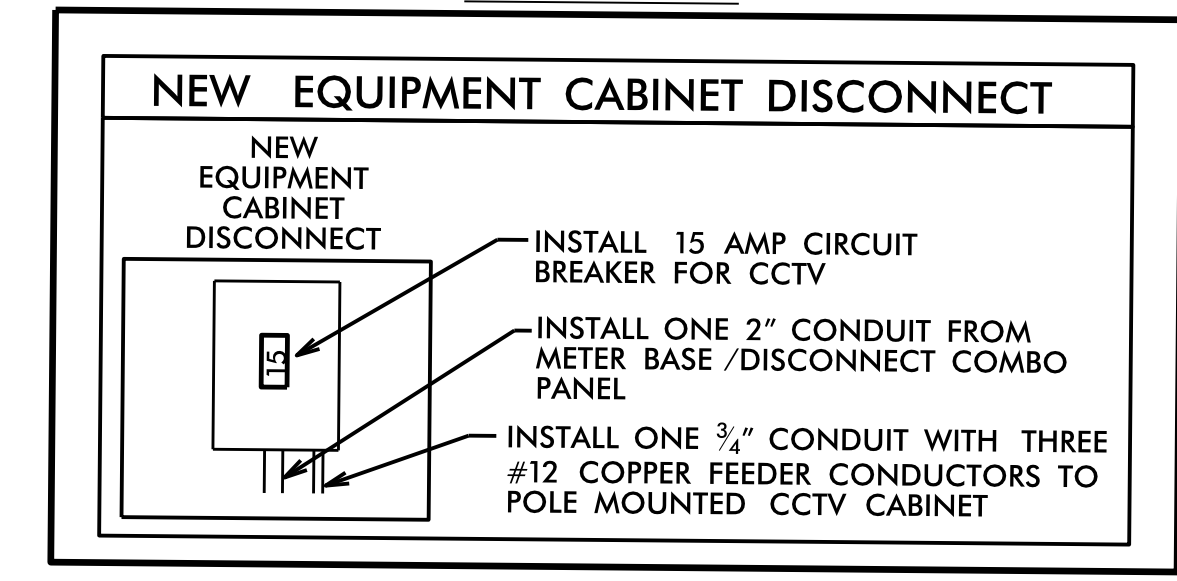
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	DIVISION 05 WAKE CO.	
750 N. Greenfield Pkwy., Garner, NC 27529 	PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:
SCALE: 0 	REVISIONS _____ _____	INIT. DATE _____ _____
Andrew J. Skuce Nov 30, 2021		Andrew J. Skuce Nov 30, 2021



DRAWING 1

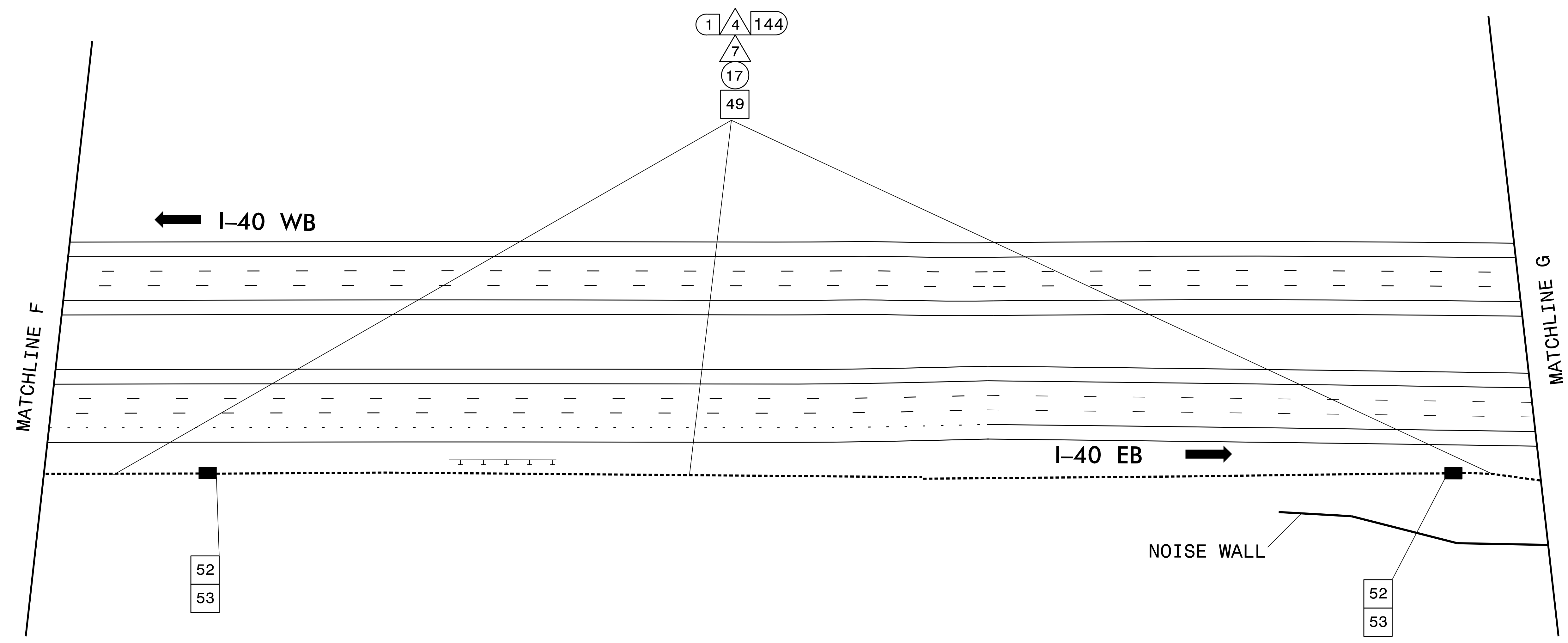


**NOTES**

1. REMOVE EXISTING CCTV CAMERA ASSEMBLY, EQUIPMENT CABINET, AND INTERCONNECT CENTER.
2. INSTALL NEW CCTV CAMERA ASSEMBLY AND EQUIPMENT CABINET ON EXISTING CCTV WOOD POLE.
3. INSTALL NEW INTERCONNECT AND ETHERNET SWITCH INTO NEW EQUIPMENT CABINET.
4. REMOVE EXISTING ETHERNET SWITCH AND RETURN TO DIVISION 5 REGIONAL ITS ENGINEER (919-825-2635).
5. CONTRACTOR SHALL MAINTAIN AND RE-USE EXISTING ELECTRICAL SERVICE AND FEEDER CONDUCTORS.
6. INTERCEPT EXISTING FEEDER CONDUCTORS AT THE EQUIPMENT CABINET LOCATION AND INSTALL A NEW EQUIPMENT CABINET DISCONNECT.
7. REMOVE EXISTING SPLICE ENCLOSURE AFTER CUTOVER TO NEW FIBER.
8. INSTALL MOLDABLE DUCT SEAL ON ALL CONDUITS CONTAINING FIBER OPTIC CABLE AND FEEDER CONDUCTORS.

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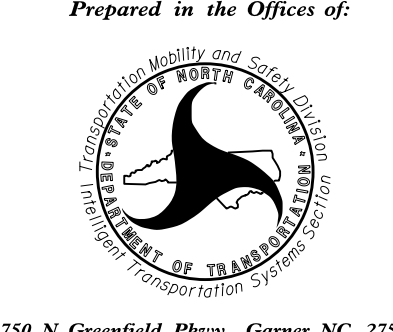
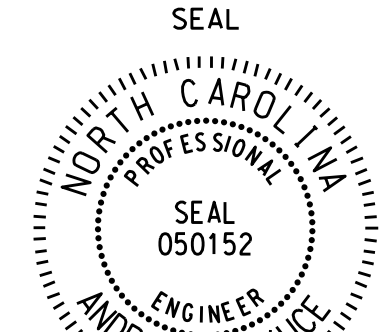
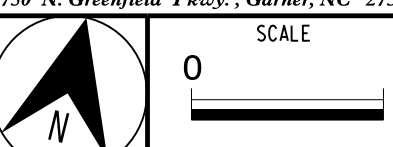
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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:
SCALE: 0 	REVISIONS INIT. DATE	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ANDREW J. SKUCE 050152 NOV 30, 2021

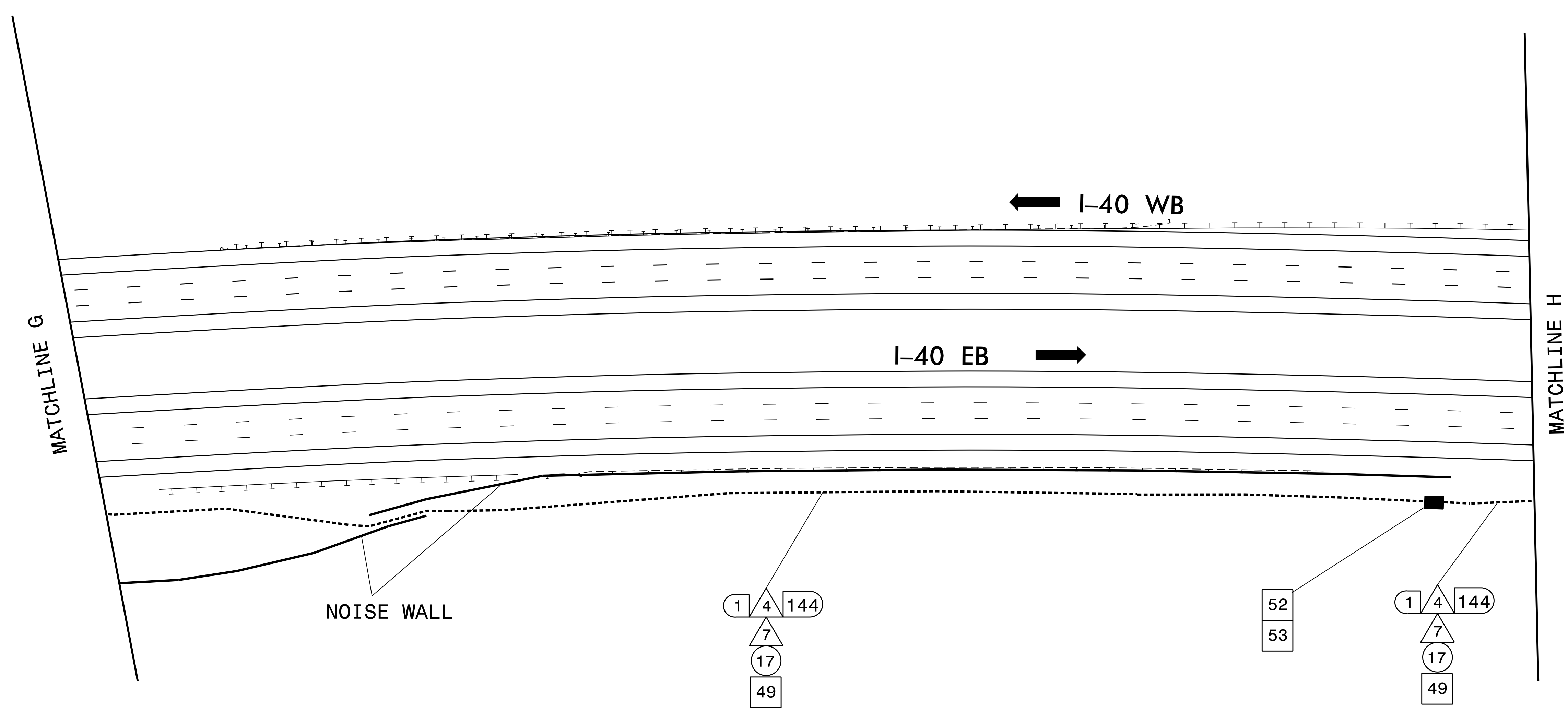


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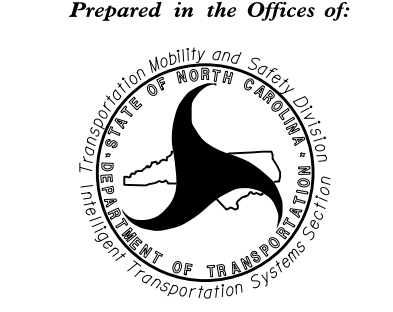
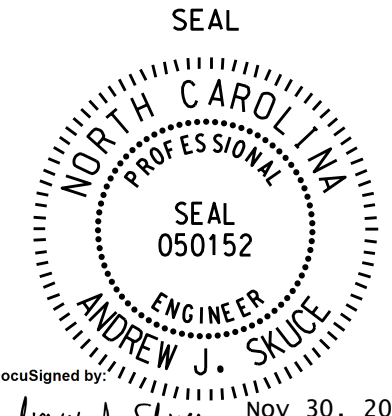

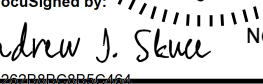
 Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	<b>ITS DEVICE REPLACEMENT</b>		 SEAL 050152 ANDREW J. SKUCE ENGINEER Nov 30, 2023
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 REVIEWED BY: A. J. SKUCE, PE. PREPARED BY: J. WALDEN REVIEWED BY:		
	REVISIONS _____ _____ _____	INIT. DATE _____ _____	DATE _____

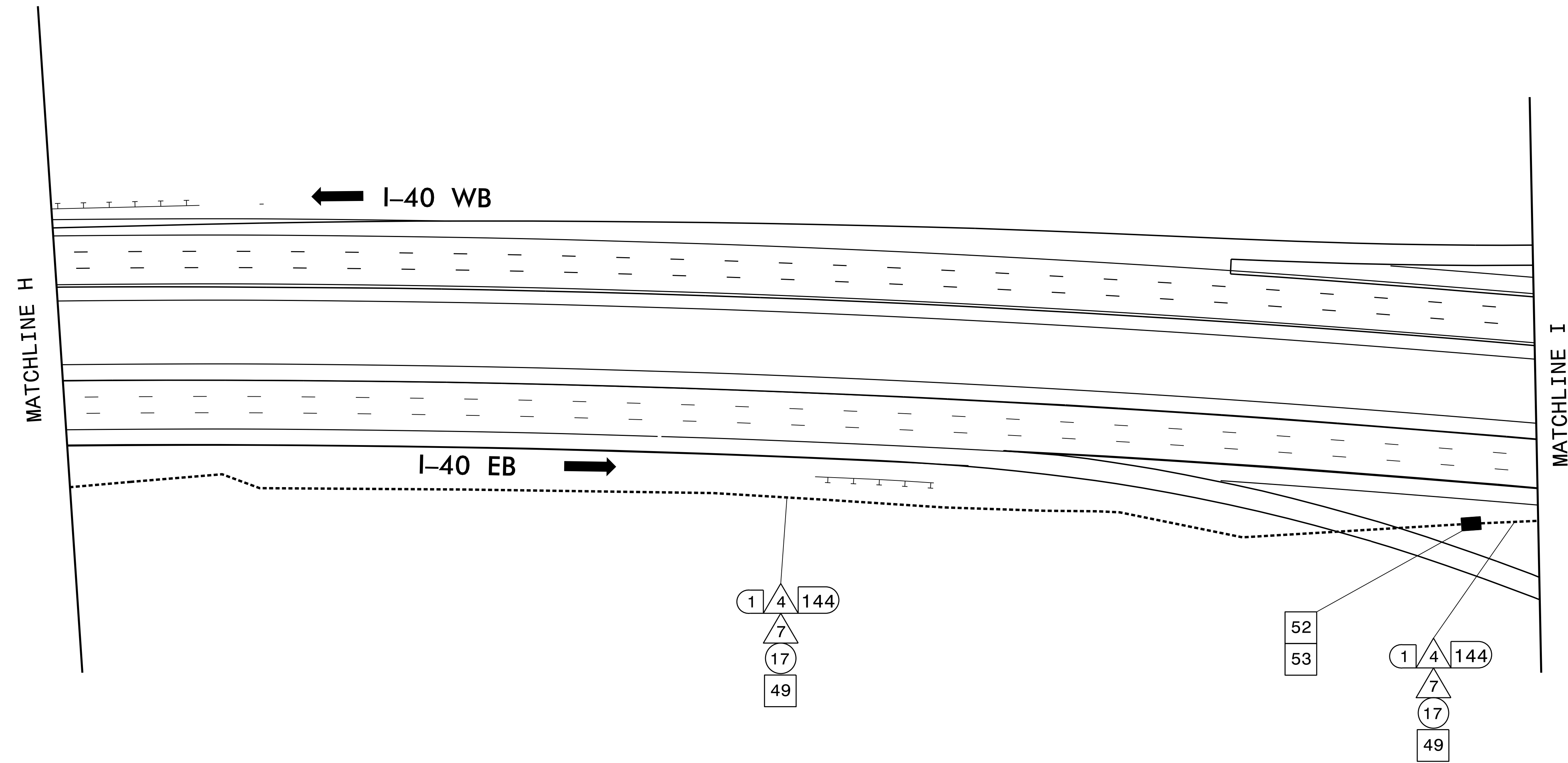


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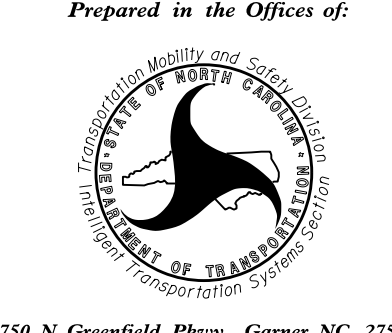
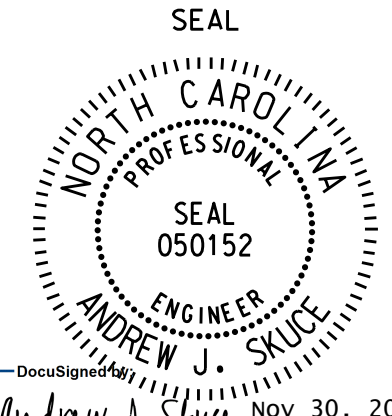

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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:	
SCALE 	REVISIONS _____ _____ _____	INIT. DATE _____ _____	DocuSigned by:  Nov 30, 2021 DATE



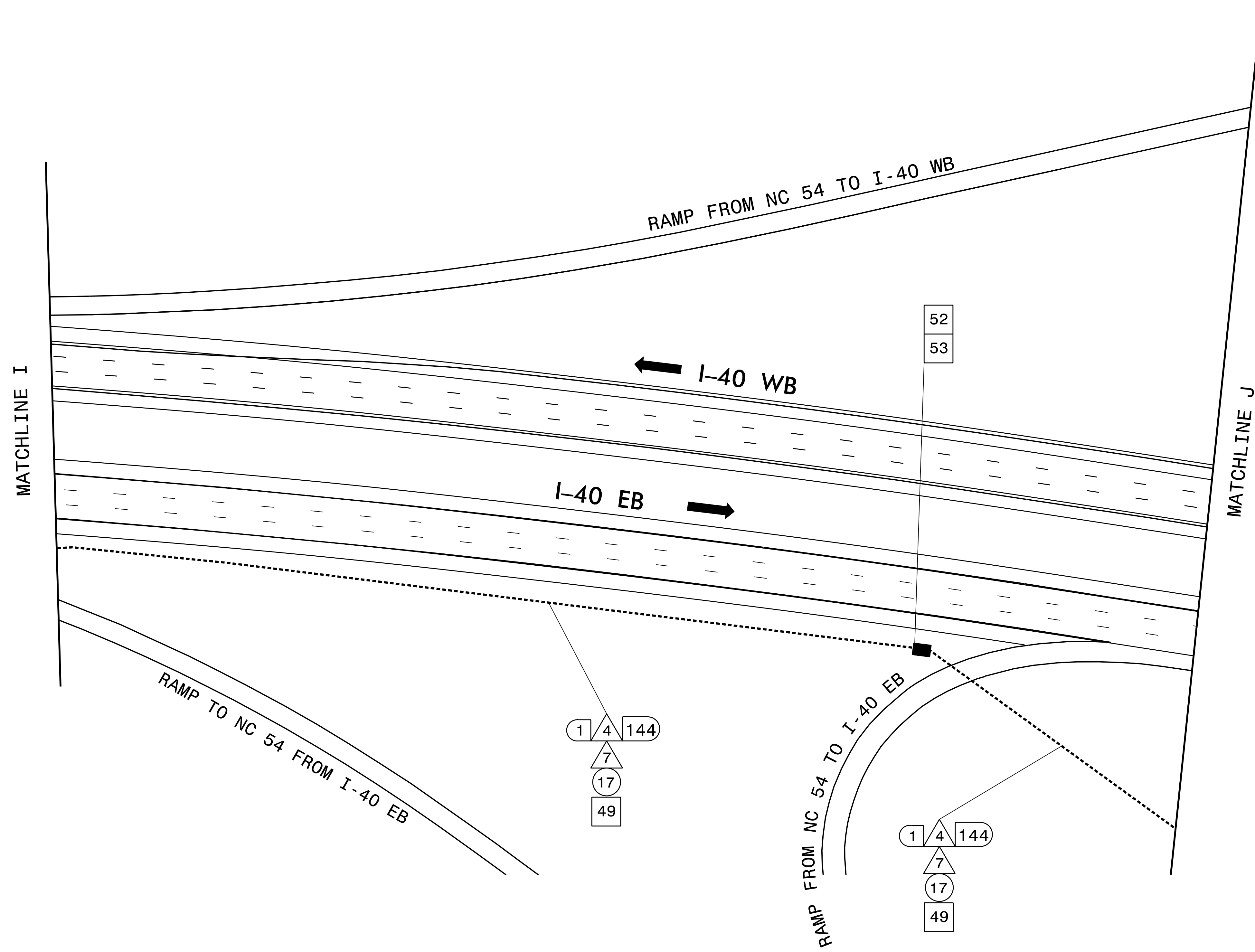
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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN			REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:					
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Andrew J. Skuce Nov 30, 2021  
DATE



**NOTES**

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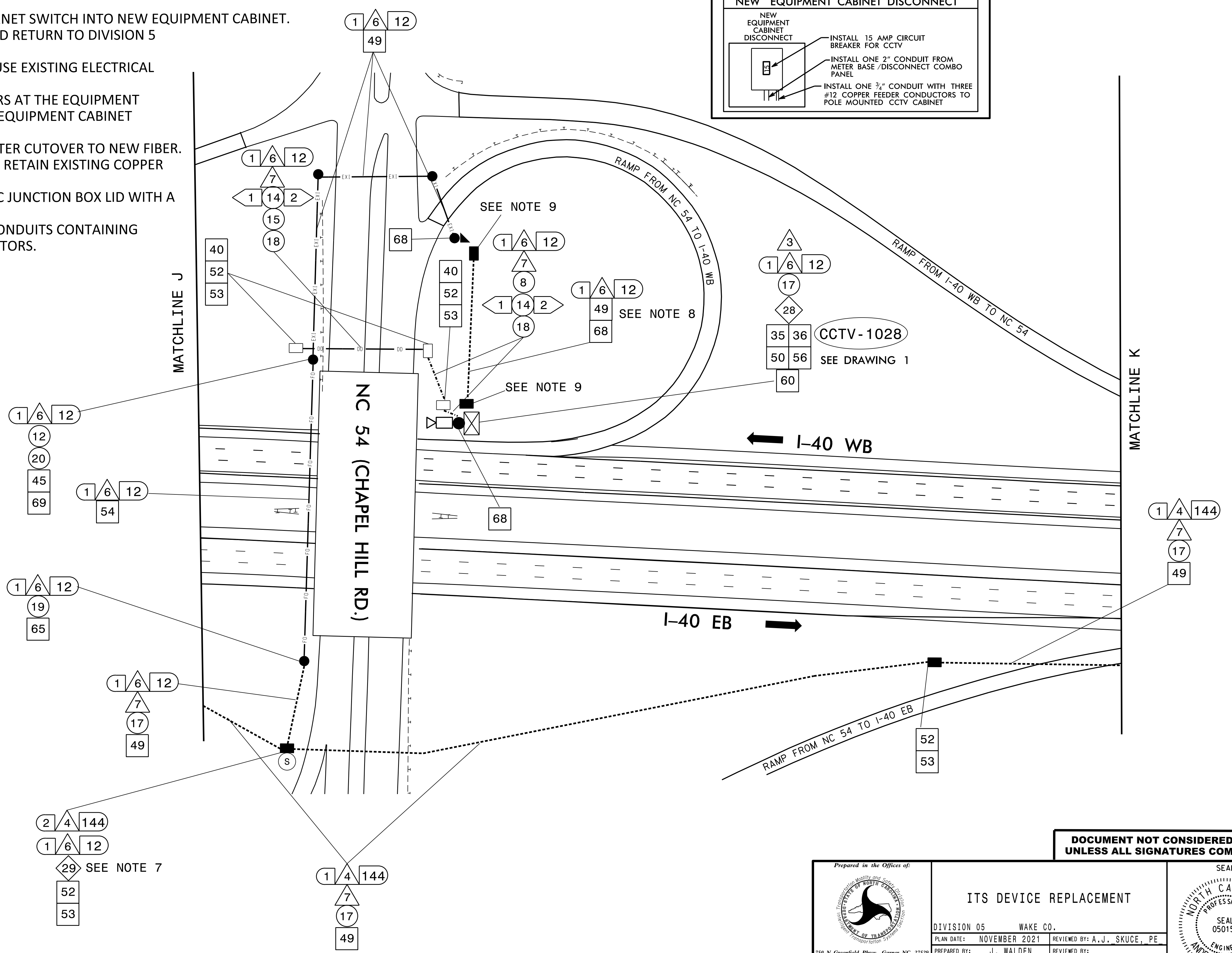
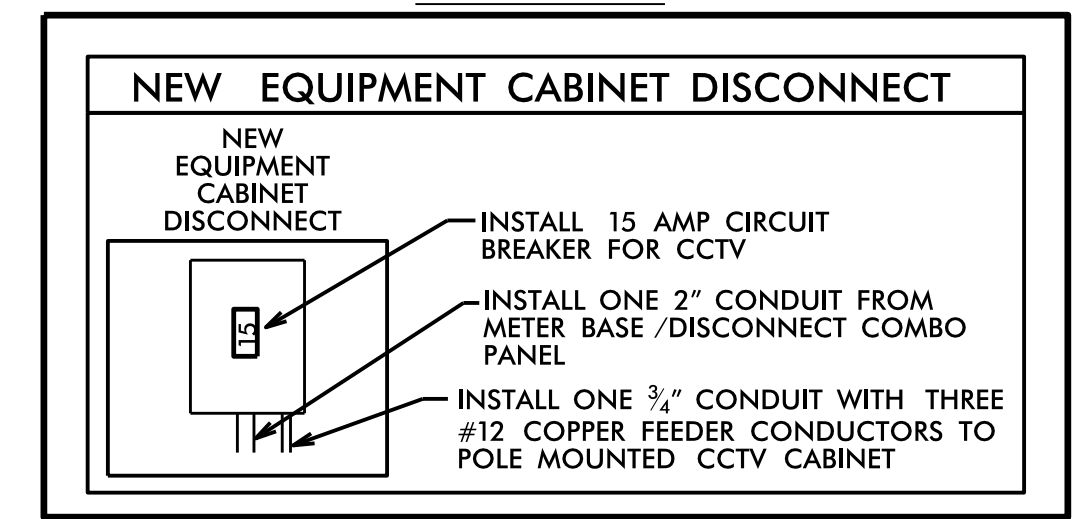
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	<b>ITS DEVICE REPLACEMENT</b>		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN REVISIONS: _____ INIT: _____ DATE: _____		
Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529		SCALE: 0 _____ DATE: Nov 30, 2021	

**NOTES**

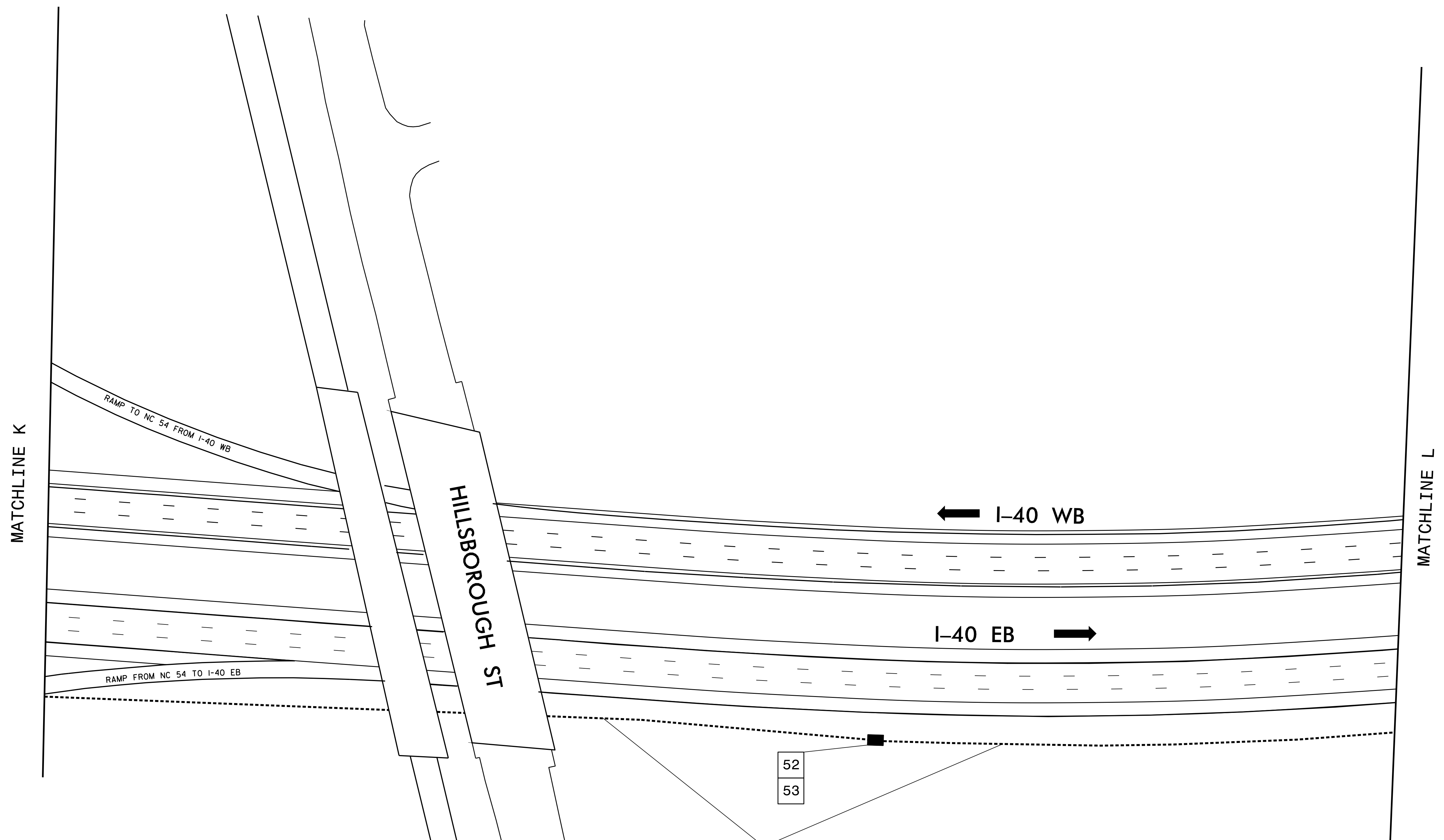
1. REMOVE EXISTING CCTV CAMERA ASSEMBLY, EQUIPMENT CABINET, AND INTERCONNECT CENTER.
2. INSTALL NEW CCTV CAMERA ASSEMBLY AND EQUIPMENT CABINET ON EXISTING CCTV WOOD POLE.
3. INSTALL NEW INTERCONNECT AND ETHERNET SWITCH INTO NEW EQUIPMENT CABINET.
4. REMOVE EXISTING ETHERNET SWITCH AND RETURN TO DIVISION 5 REGIONAL ITS ENGINEER (919-825-2635).
5. CONTRACTOR SHALL MAINTAIN AND RE-USE EXISTING ELECTRICAL SERVICE AND FEEDER CONDUCTORS.
6. INTERCEPT EXISTING FEEDER CONDUCTORS AT THE EQUIPMENT CABINET LOCATION AND INSTALL A NEW EQUIPMENT CABINET DISCONNECT.
7. REMOVE EXISTING SPLICE ENCLOSURE AFTER CUTOVER TO NEW FIBER.
8. REMOVE EXISTING 12-FIBER DROP CABLE. RETAIN EXISTING COPPER FEEDER CONDUCTORS.
9. REPLACE EXISTING OVER-SIZE FIBER-OPTIC JUNCTION BOX LID WITH A NEW LID WITH "ELECTRICAL" LOGO.
10. INSTALL MOLDABLE DUCT SEAL ON ALL CONDUITS CONTAINING FIBER OPTIC CABLE AND FEEDER CONDUCTORS.

**DRAWING 1**



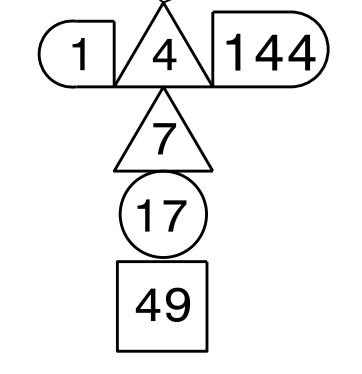
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	<b>ITS DEVICE REPLACEMENT</b>	
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE REVIEWED BY:
SCALE: 0' = 1"	REVISIONS:	INIT. DATE:



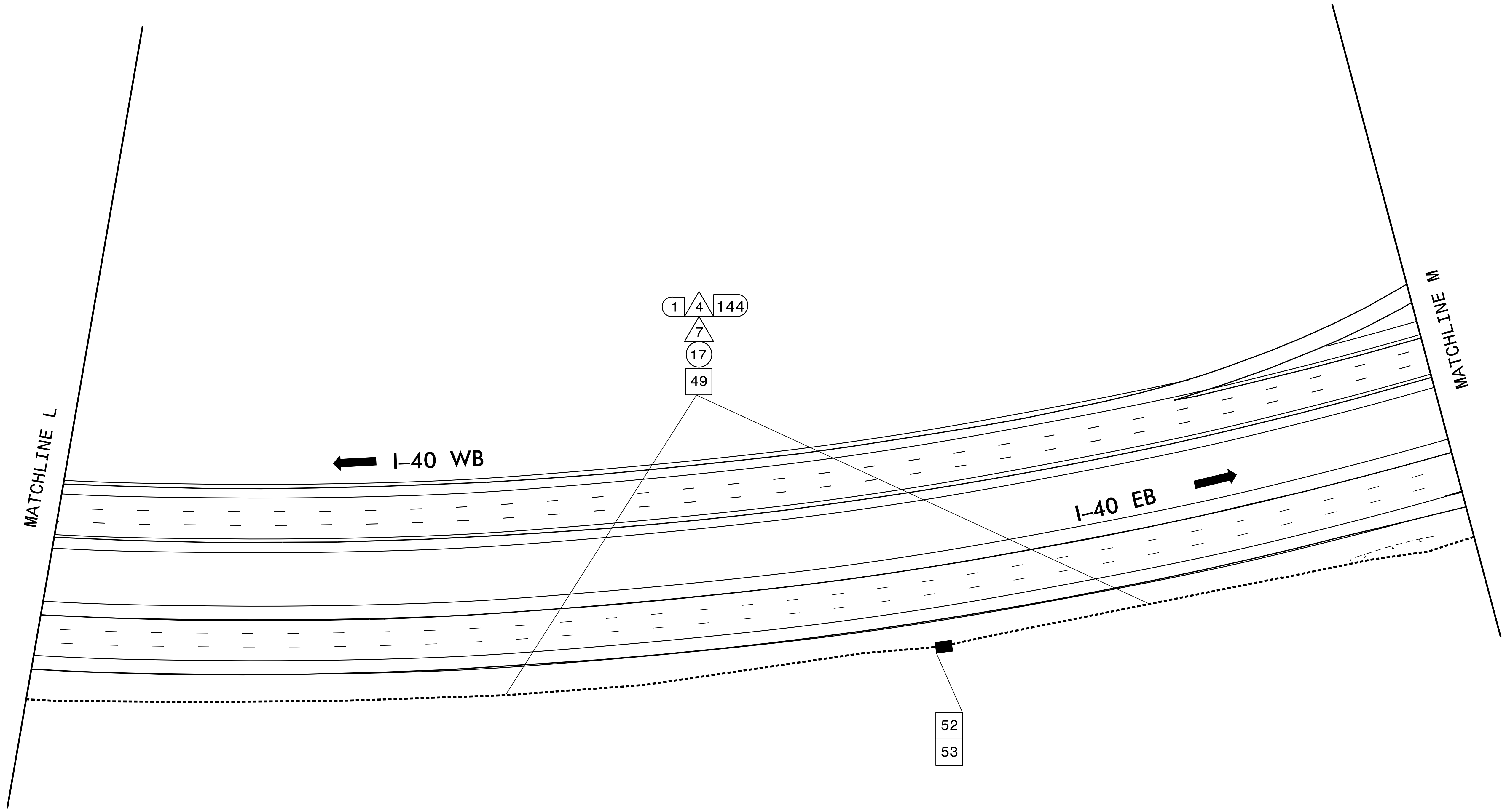
**NOTES**

1. INSTALL MOLDABLE DUCT SEAL ON ALL CONDUITS CONTAINING FIBER OPTIC CABLE AND FEEDER CONDUCTORS.



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

	<b>ITS DEVICE REPLACEMENT</b>	
	DIVISION 05 WAKE CO.	
750 N. Greenfield Pkwy., Garner, NC 27529 	PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE REVIEWED BY:
SCALE 	REVISIONS _____	INIT. DATE _____
Andrew J. Skuce PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA License No. 050152 Nov 30, 2021		DATE _____



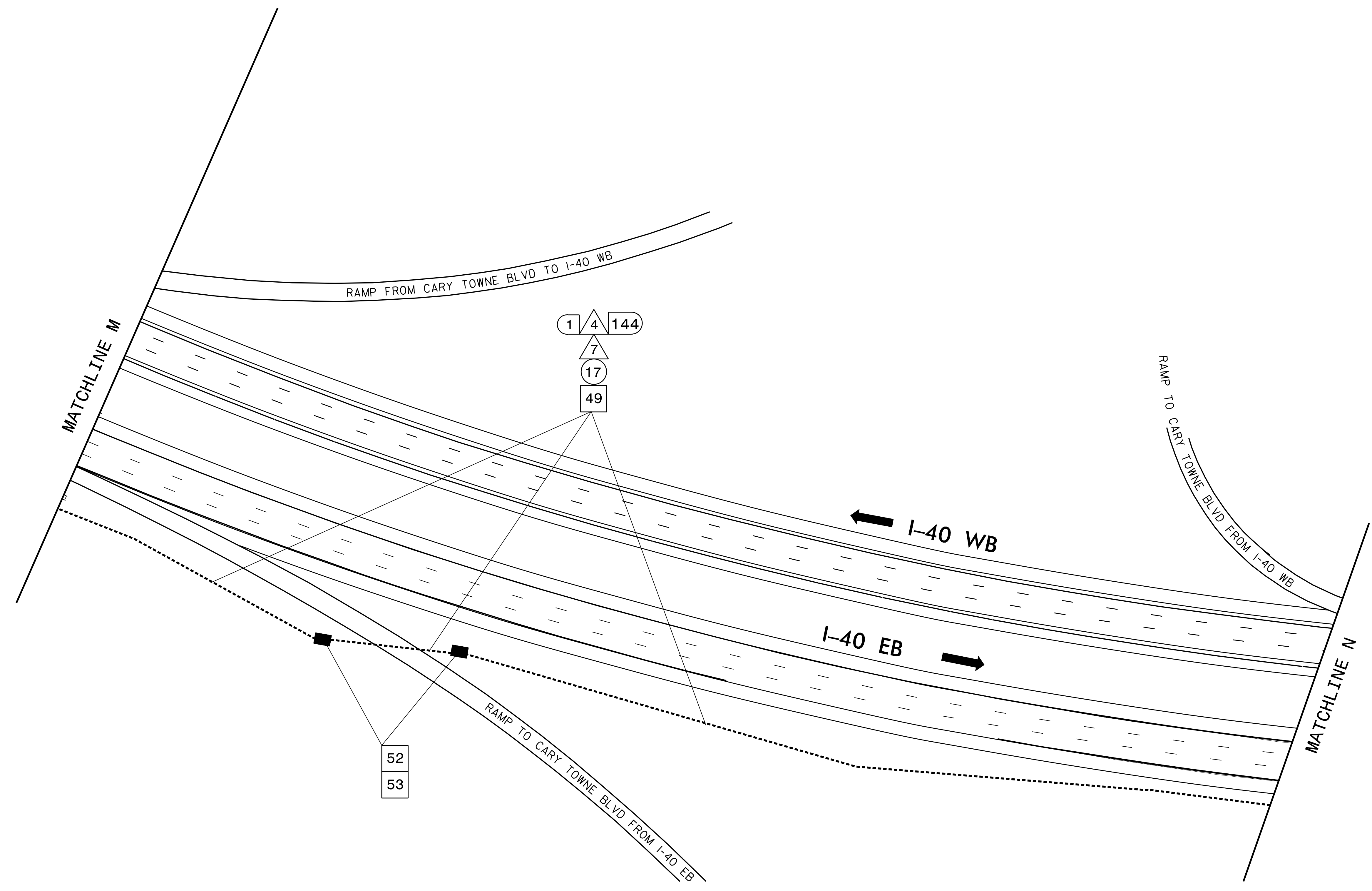
**NOTES**

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	WAKE CO.	
750 N. Greenfield Pkwy., Garner, NC 27529 	DIVISION 05 PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY: DATE:
REVISIONS		INIT. DATE
Andrew J. Skuce		Andrew J. Skuce DATE: NOV 30, 2021





**NOTES**

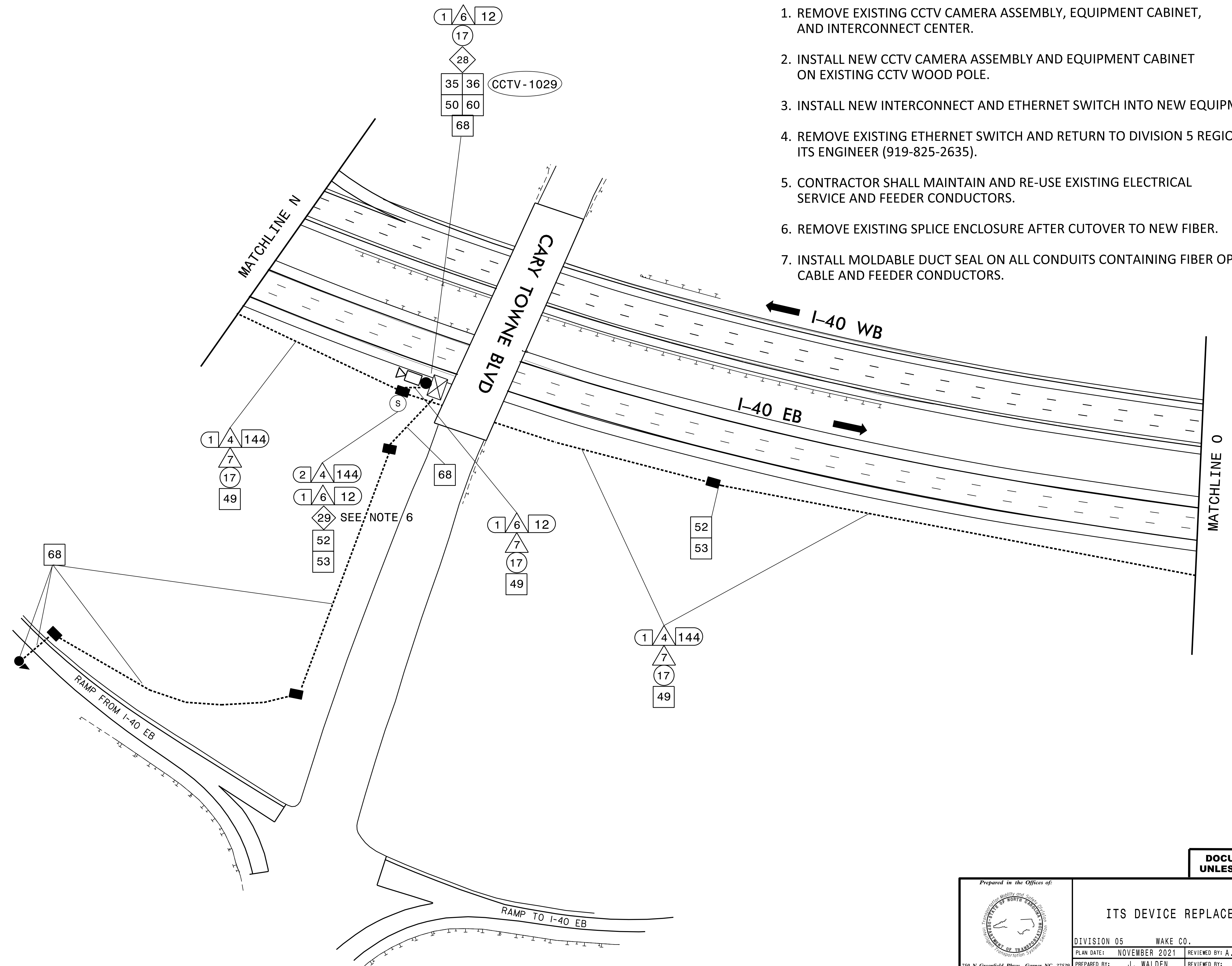
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	DIVISION 05 WAKE CO.	
750 N. Greenfield Pkwy., Garner, NC 27529 	PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE. REVIEWED BY:
SCALE: 0 	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____
Andrew J. Skuce Nov 30, 2021 DATE		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ANDREW J. SKUCE SEAL 050152

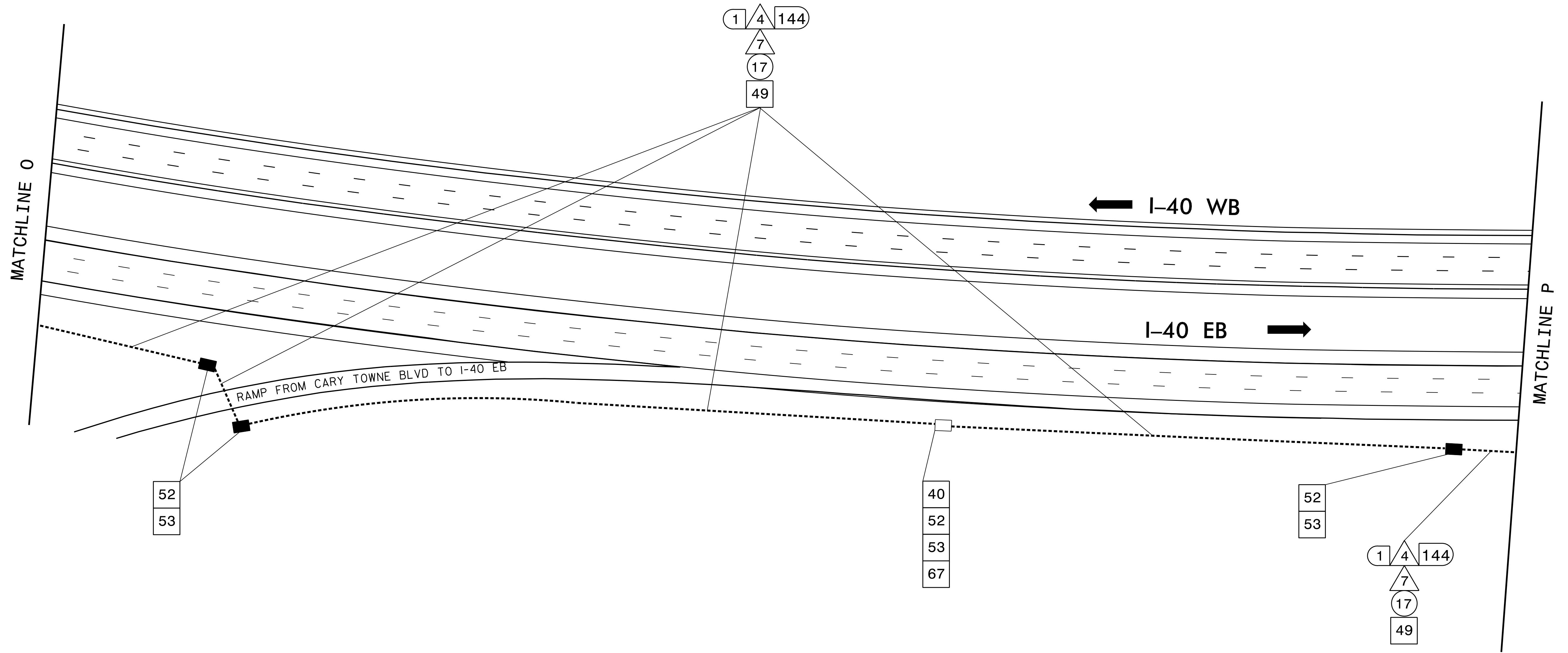
**NOTES**

1. REMOVE EXISTING CCTV CAMERA ASSEMBLY, EQUIPMENT CABINET, AND INTERCONNECT CENTER.
2. INSTALL NEW CCTV CAMERA ASSEMBLY AND EQUIPMENT CABINET ON EXISTING CCTV WOOD POLE.
3. INSTALL NEW INTERCONNECT AND ETHERNET SWITCH INTO NEW EQUIPMENT CABINET.
4. REMOVE EXISTING ETHERNET SWITCH AND RETURN TO DIVISION 5 REGIONAL ITS ENGINEER (919-825-2635).
5. CONTRACTOR SHALL MAINTAIN AND RE-USE EXISTING ELECTRICAL SERVICE AND FEEDER CONDUCTORS.
6. REMOVE EXISTING SPLICE ENCLOSURE AFTER CUTOVER TO NEW FIBER.
7. INSTALL MOLDABLE DUCT SEAL ON ALL CONDUITS CONTAINING FIBER OPTIC CABLE AND FEEDER CONDUCTORS.



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	<b>ITS DEVICE REPLACEMENT</b>		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN REVISIONS: _____ INIT: _____ DATE: _____		

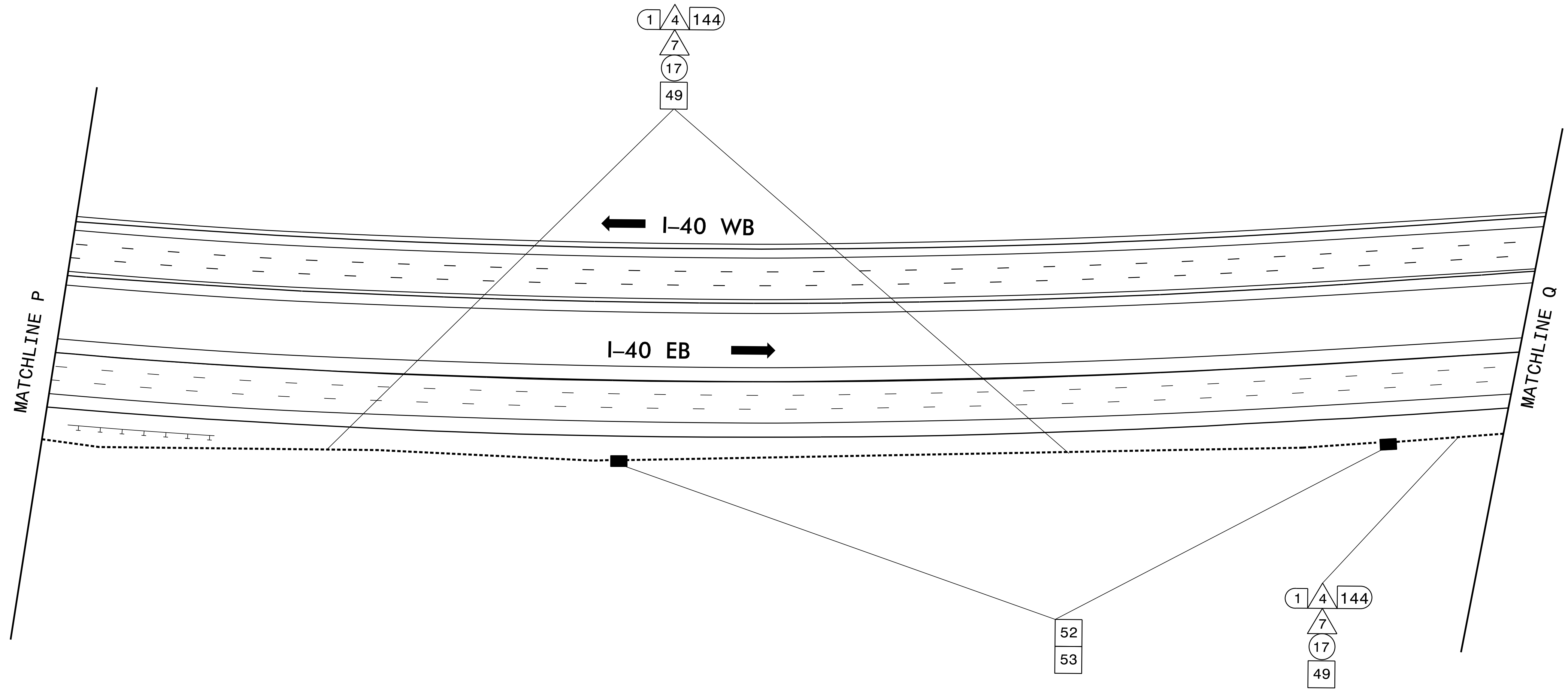


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	<b>ITS DEVICE REPLACEMENT</b>		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN REVISIONS: _____ INIT. DATE: _____		
	Prepared in the Offices of: 		

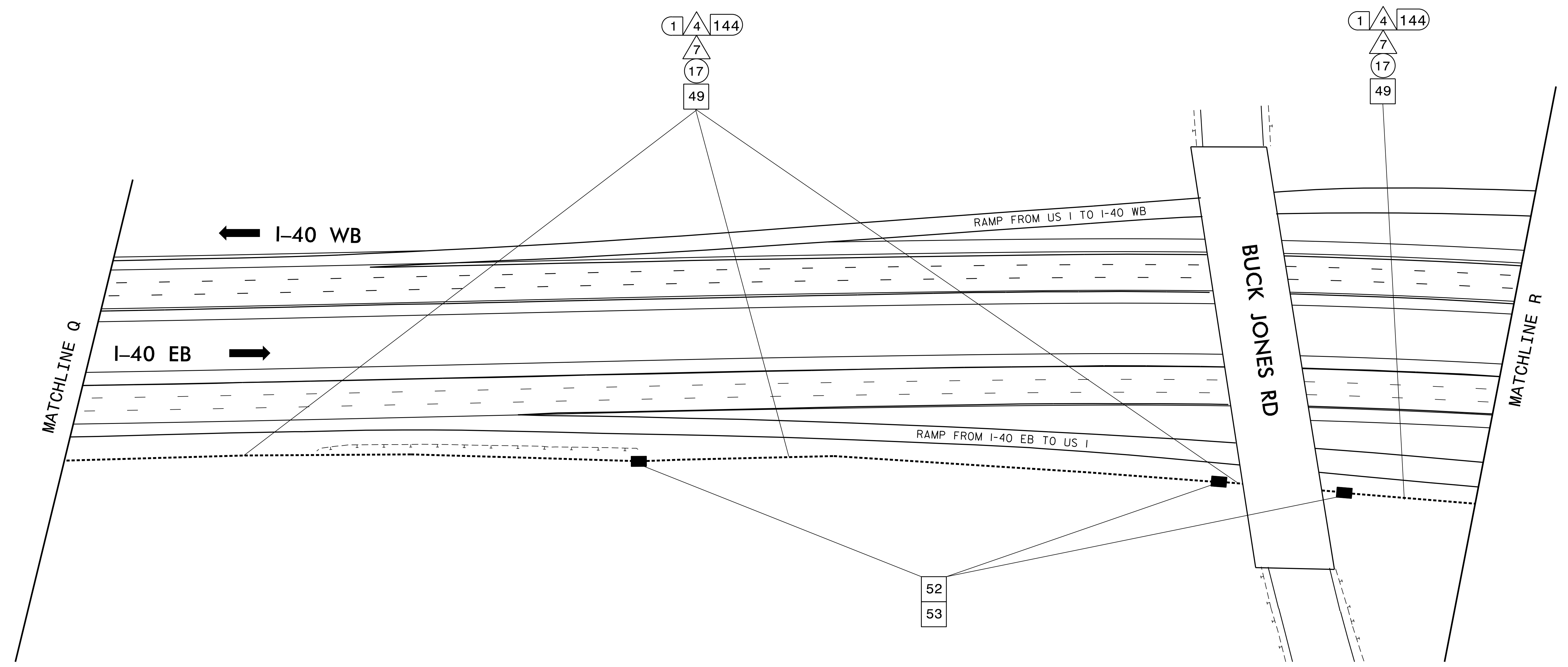


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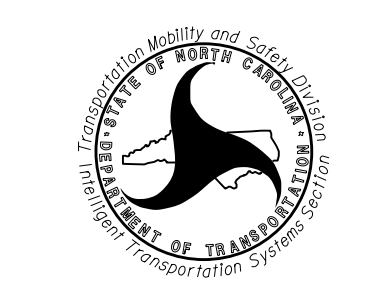
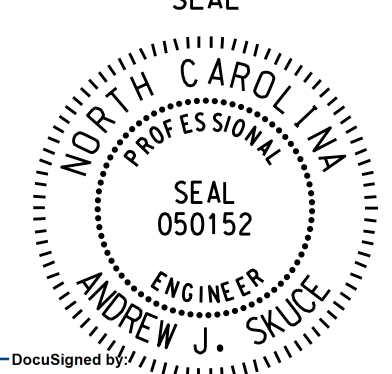


	<b>ITS DEVICE REPLACEMENT</b>	
	WAKE CO.	
DIVISION 05 PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE REVIEWED BY:	REVISIONS INIT. DATE
SCALE: 0		DATE: Nov 30, 2021

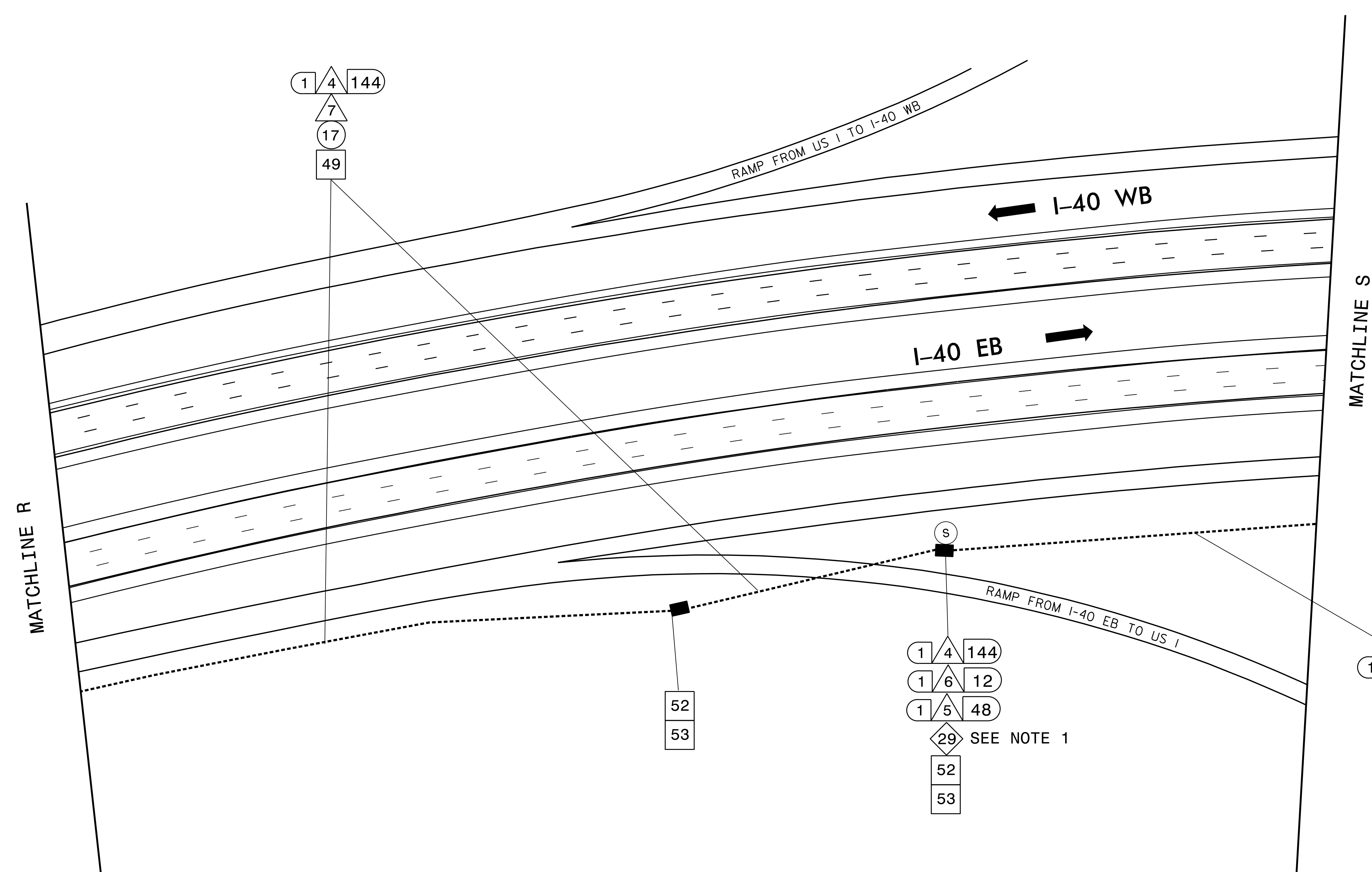


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 <small>750 N. Greenfield Pkwy., Garner, NC 27529</small>	<b>ITS DEVICE REPLACEMENT</b>		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE REVIEWED BY:	
	SCALE 	REVISIONS INIT. DATE	Documented by: Andrew J. Skuce Nov 30, 2021 DATE



**NOTES**

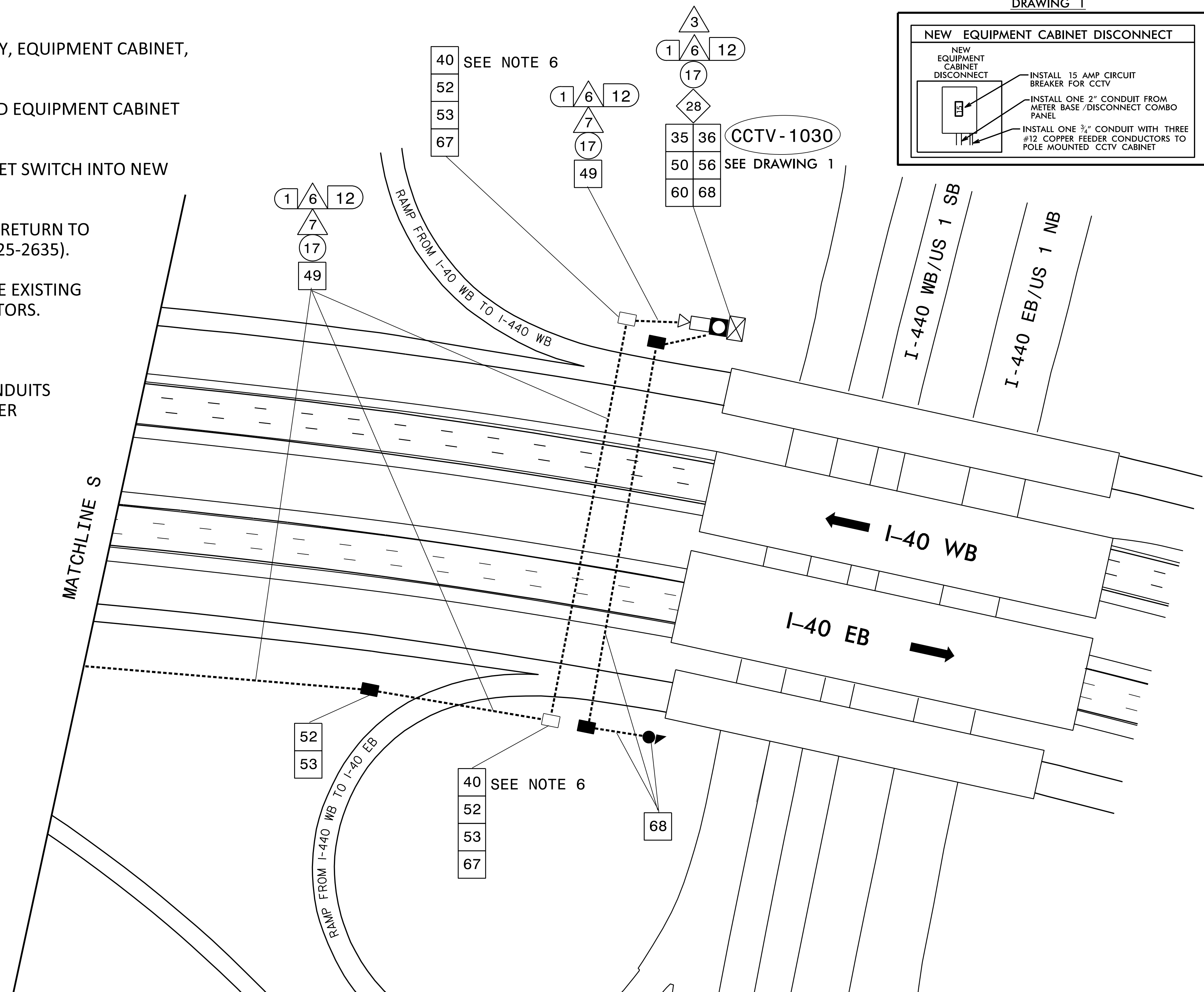
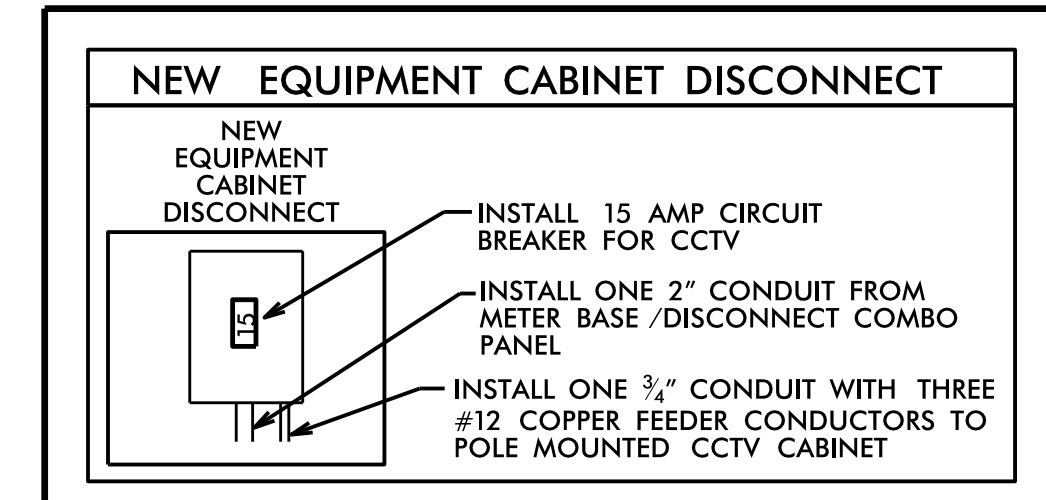
1. REMOVE EXISTING SPLICE ENCLOSURE AFTER CUTOVER TO NEW FIBER.
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<p>750 N. Greenfield Pkwy., Garner, NC 27529</p>	<p><b>ITS DEVICE REPLACEMENT</b></p>		
	<p>DIVISION 05 WAKE CO.</p> <p>PLAN DATE: NOVEMBER 2021</p> <p>PREPARED BY: J. WALDEN</p>	<p>REVIEWED BY: A. J. SKUCE, PE</p> <p>REVIEWED BY:</p>	
<p>DATE: NOV 30, 2021</p>			<p>DATE</p>

**NOTES**

1. REMOVE EXISTING CCTV CAMERA ASSEMBLY, EQUIPMENT CABINET, AND INTERCONNECT CENTER.
2. INSTALL NEW CCTV CAMERA ASSEMBLY AND EQUIPMENT CABINET ON EXISTING CCTV METAL POLE.
3. INSTALL NEW INTERCONNECT AND ETHERNET SWITCH INTO NEW EQUIPMENT CABINET.
4. REMOVE EXISTING ETHERNET SWITCH AND RETURN TO DIVISION 5 REGIONAL ITS ENGINEER (919-825-2635).
5. CONTRACTOR SHALL MAINTAIN AND RE-USE EXISTING ELECTRICAL SERVICE AND FEEDER CONDUCTORS.
6. REMOVE EXISTING SPLICE ENCLOSURE.
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	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN	REVIEWED BY: A. J. SKUCE, PE REVIEWED BY:
SCALE: 0 	REVISIONS INIT. DATE	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ANDREW J. SKUCE Nov 30, 2021

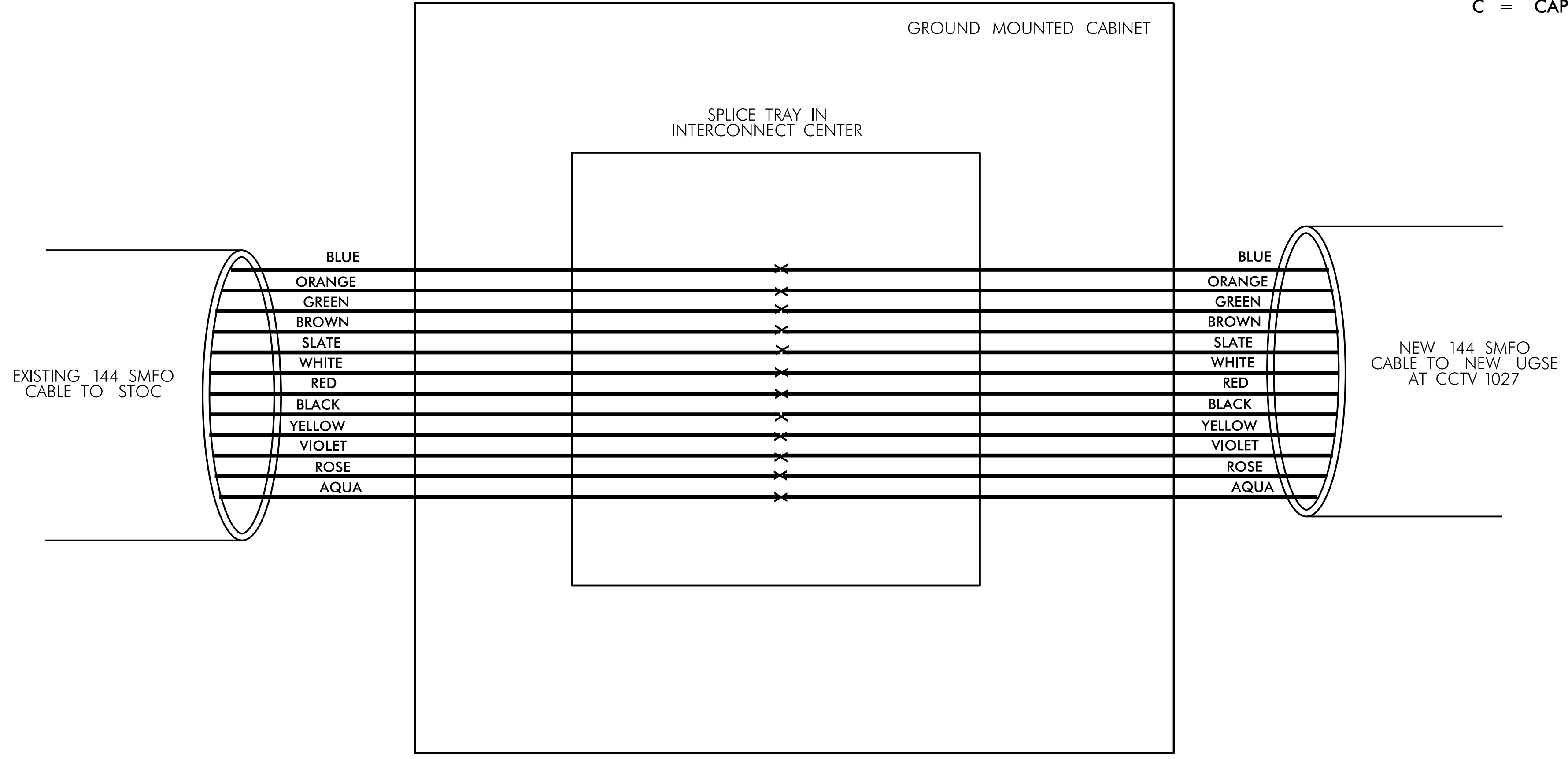
GROUND MOUNTED CABINET  
(SEE ITS-3 FOR LOCATION)

COLOR CODE  
TIA/EIA 598-A

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

- |            |             |
|------------|-------------|
| (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  
C = CAP IN TRAY



- 1) ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
- 2) 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

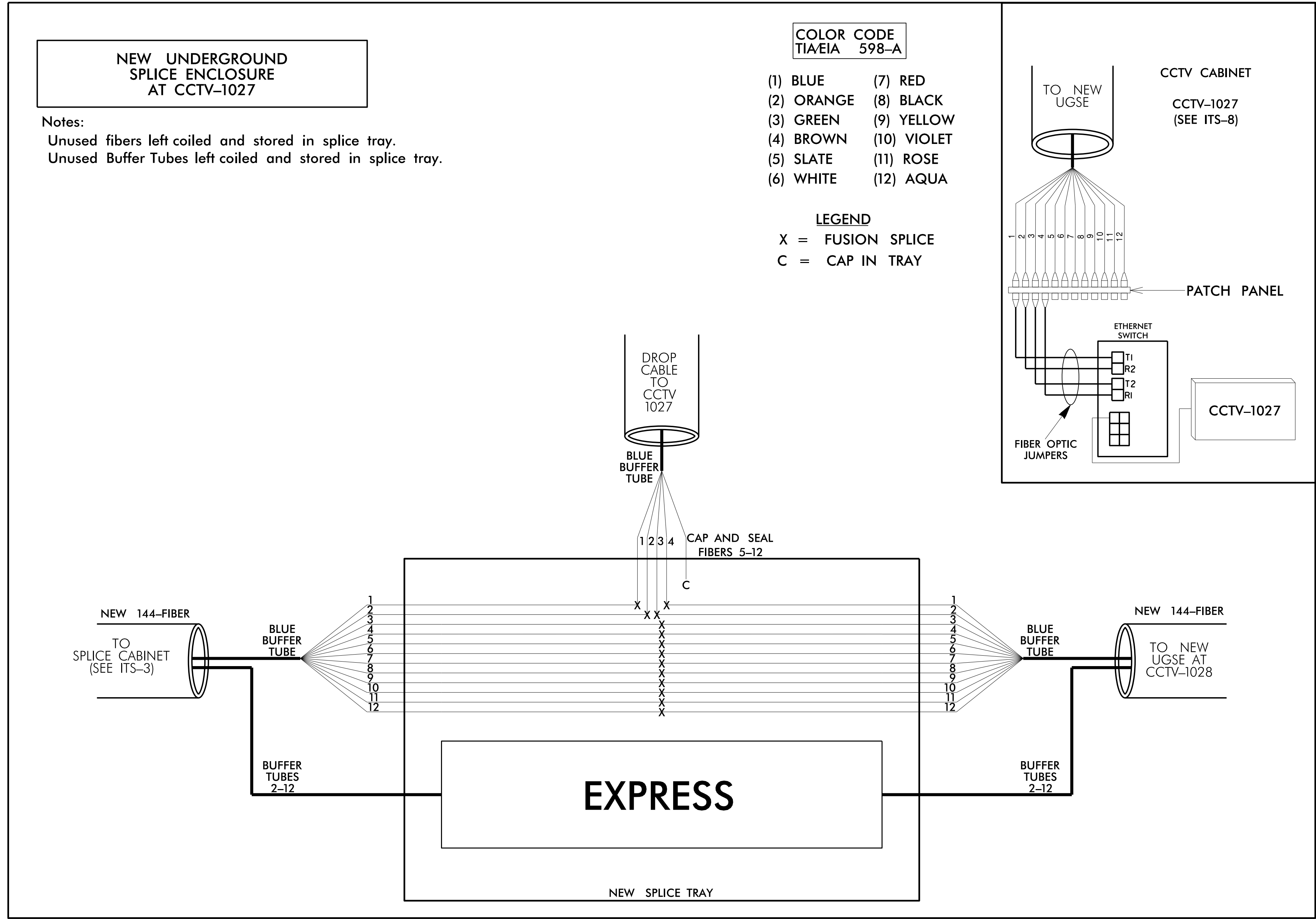
PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

**DOCUMENT NOT CONSIDERED FINAL  
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	ITS DEVICE REPLACEMENT		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 REVIEWED BY: A. J. SKUCE, PE. PREPARED BY: J. WALDEN REVIEWED BY:		
750 N. Greenfield Pkwy., Garner, NC 27529		REVISIONS _____ _____	INIT. DATE _____ _____

Nov 30, 2021  
DATE





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- 2) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER-OPTIC SPLICE CENTERS"
  - 1) SPLICE LOCATION
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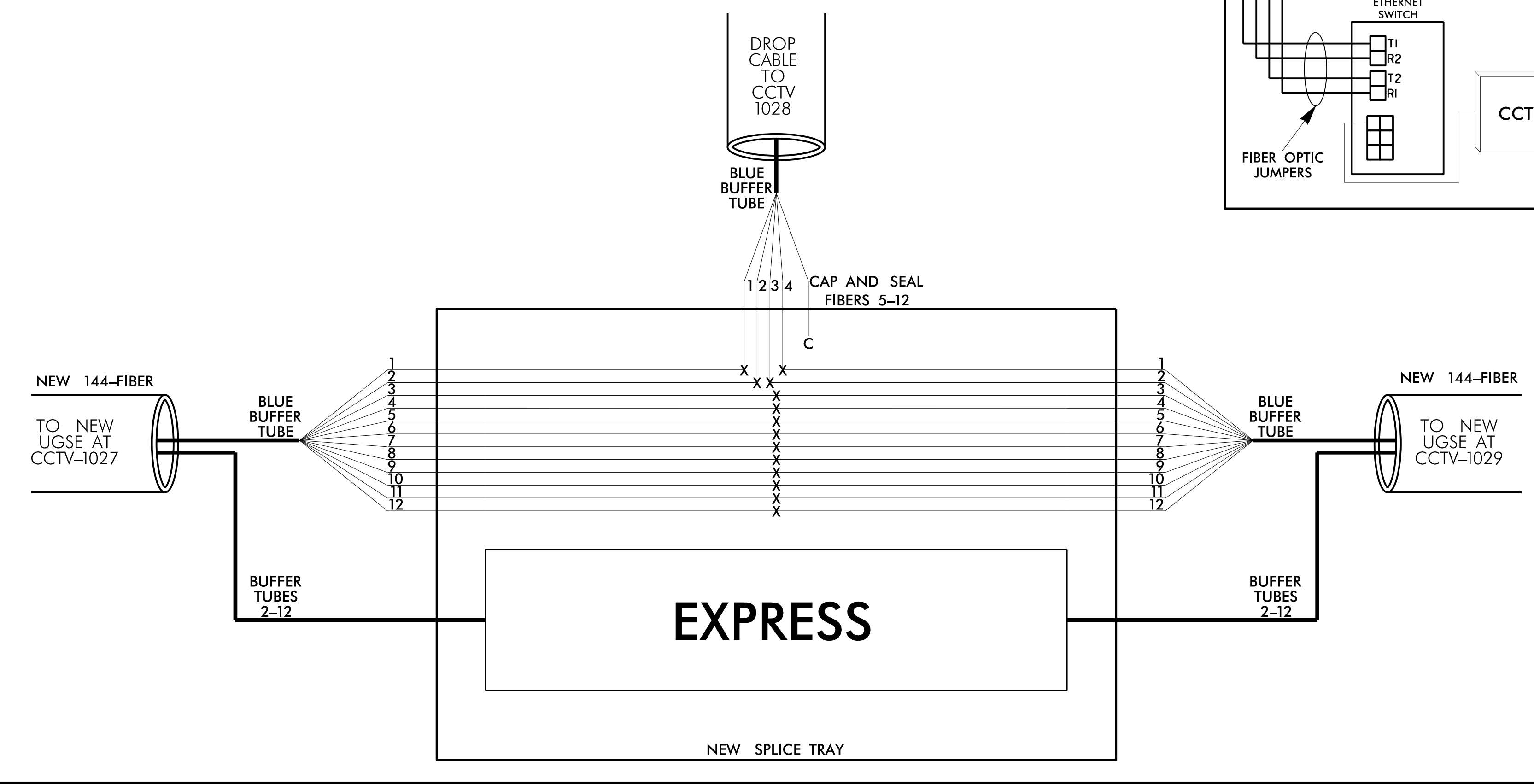
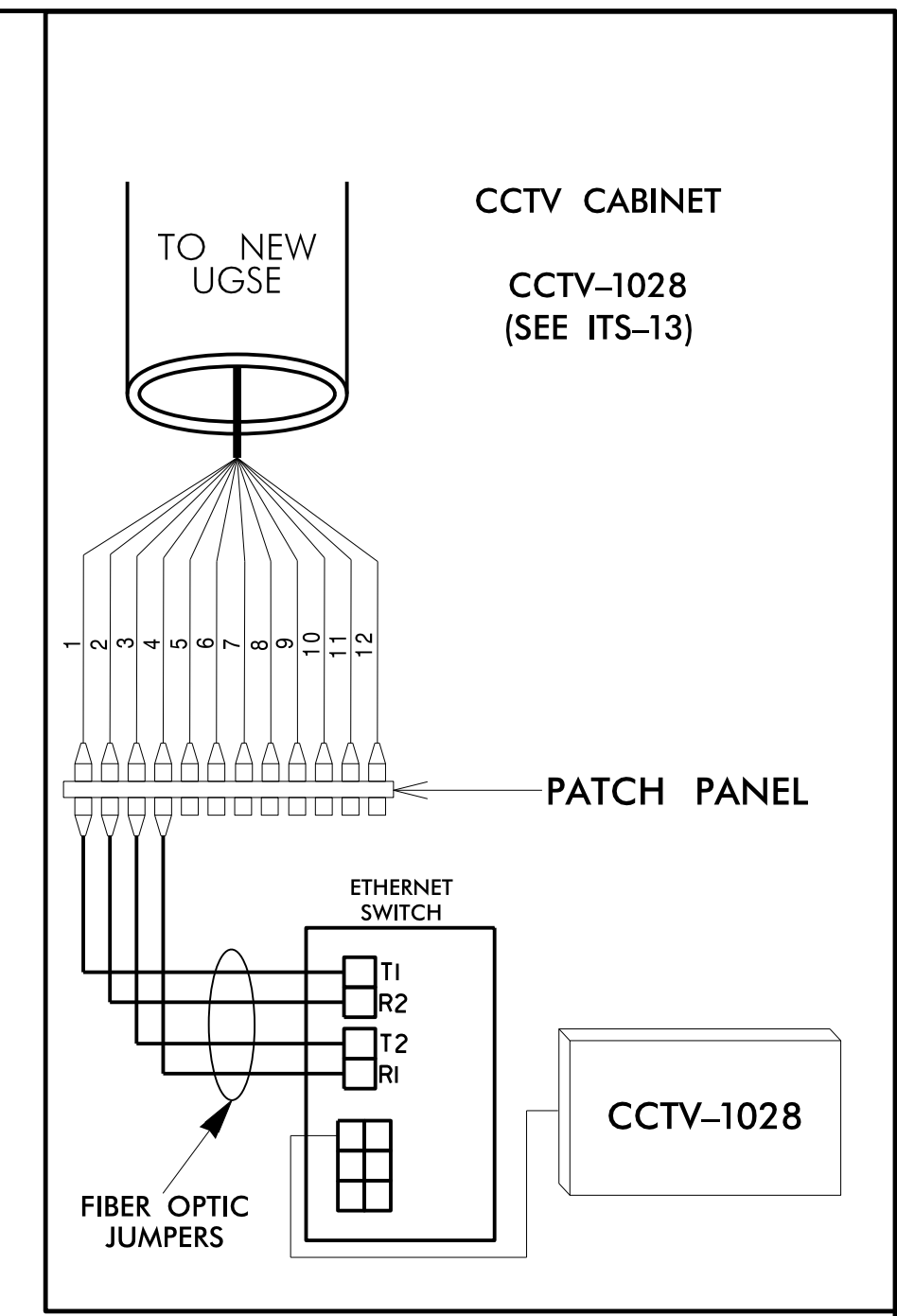
	<b>SPLICE DETAIL</b>		
	DIVISION 05 WAKE CO. PLAN DATE: NOVEMBER 2021 PREPARED BY: J. WALDEN		
750 N. Greenfield Pkwy., Garner, NC 27529		REVISIONS _____ _____	INIT. DATE _____ _____
		Nov 30, 2021 Andrew J. Skuce	

**NEW UNDERGROUND  
SPLICE ENCLOSURE  
AT CCTV-1028**

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

- COLOR CODE  
TIA/EIA 598-A**
- (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  
C = CAP IN TRAY

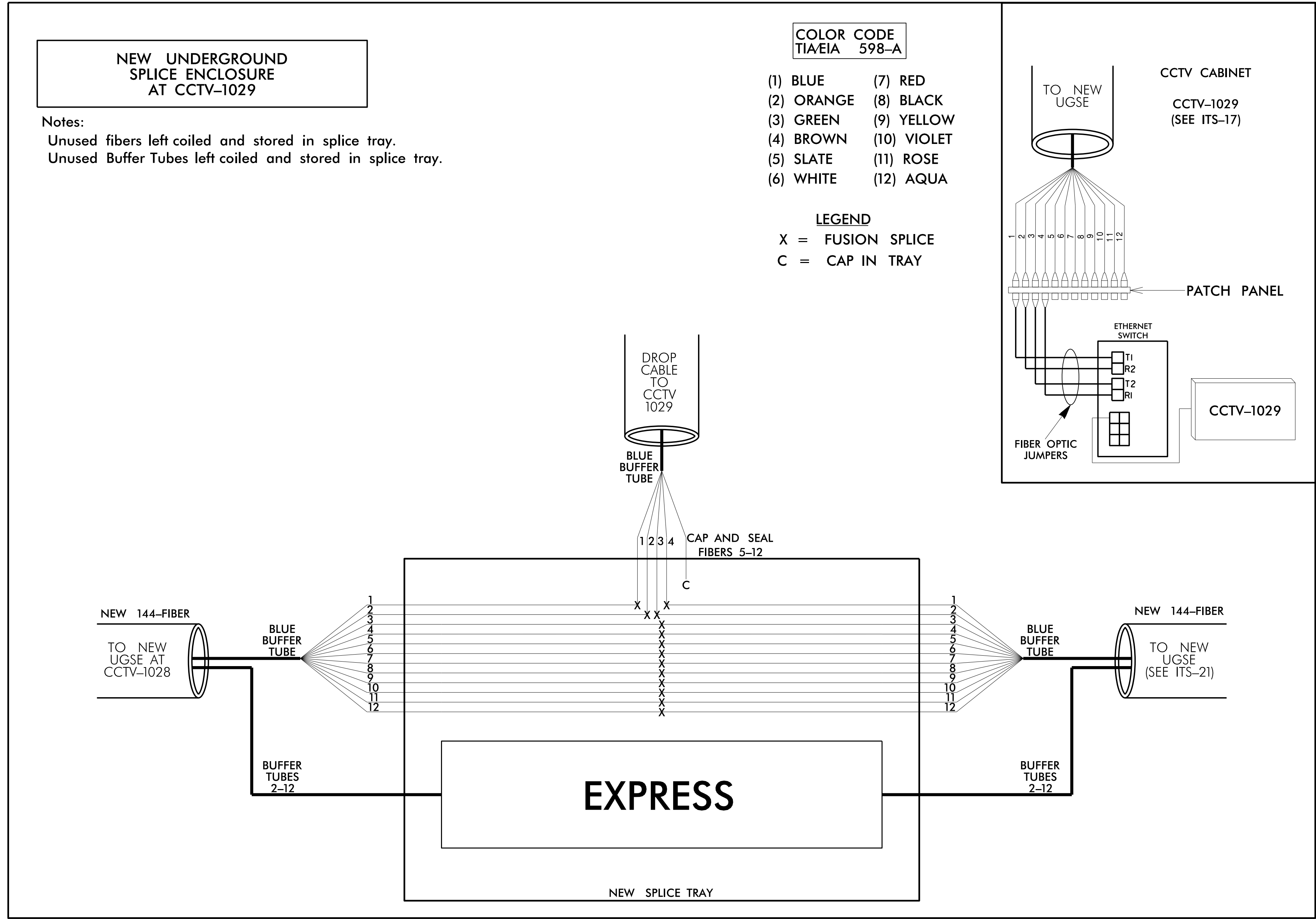


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REVISIONS: _____ INIT.: _____ DATE: _____		DocuSigned by: _____ DATE: _____	

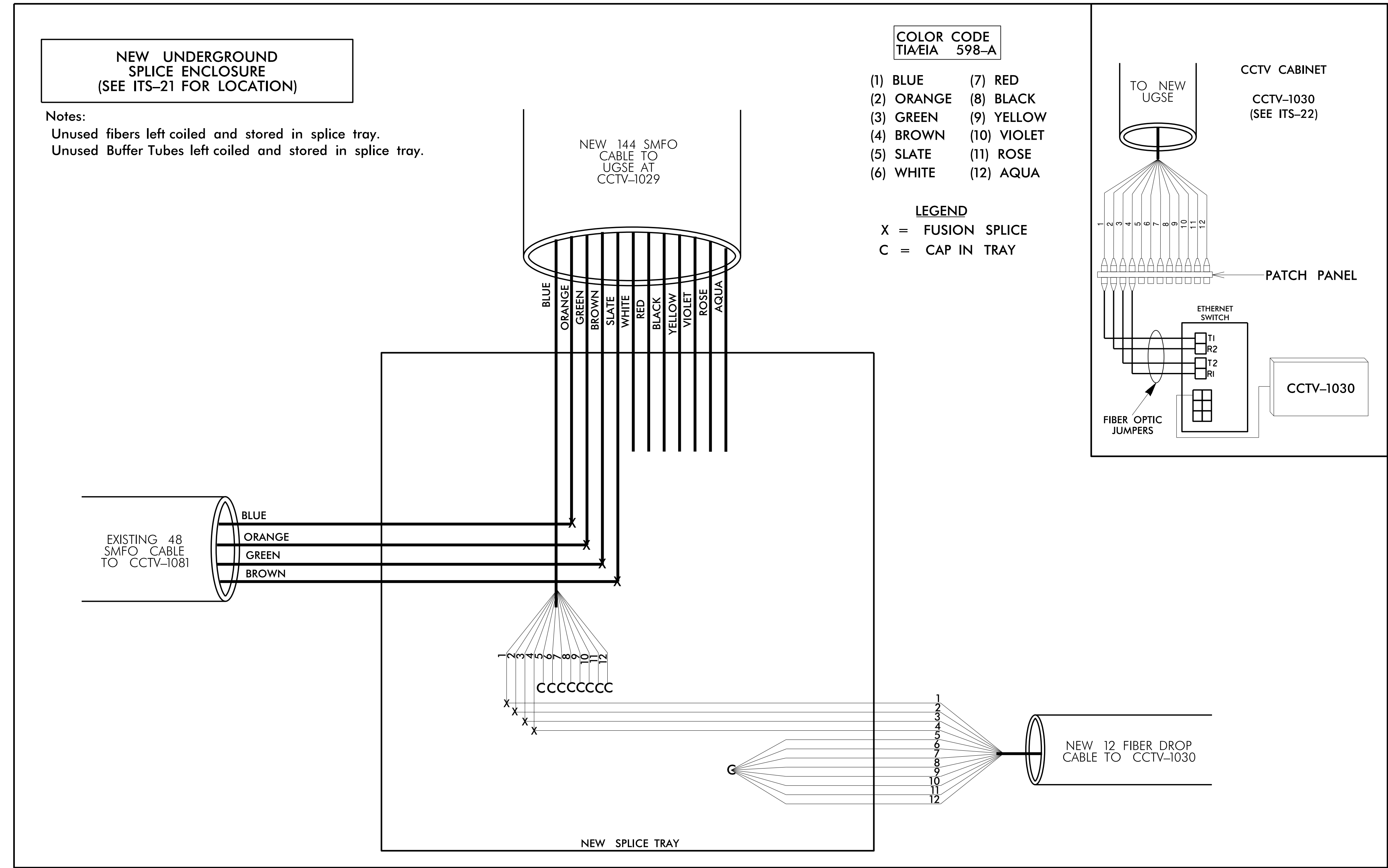


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