

MATCHLINE  
SEE SHEET ITS-55

MATCHLINE  
SEE SHEET ITS-57

Old Inventory #	New Inventory #
06-9087	DMS06_295_21N

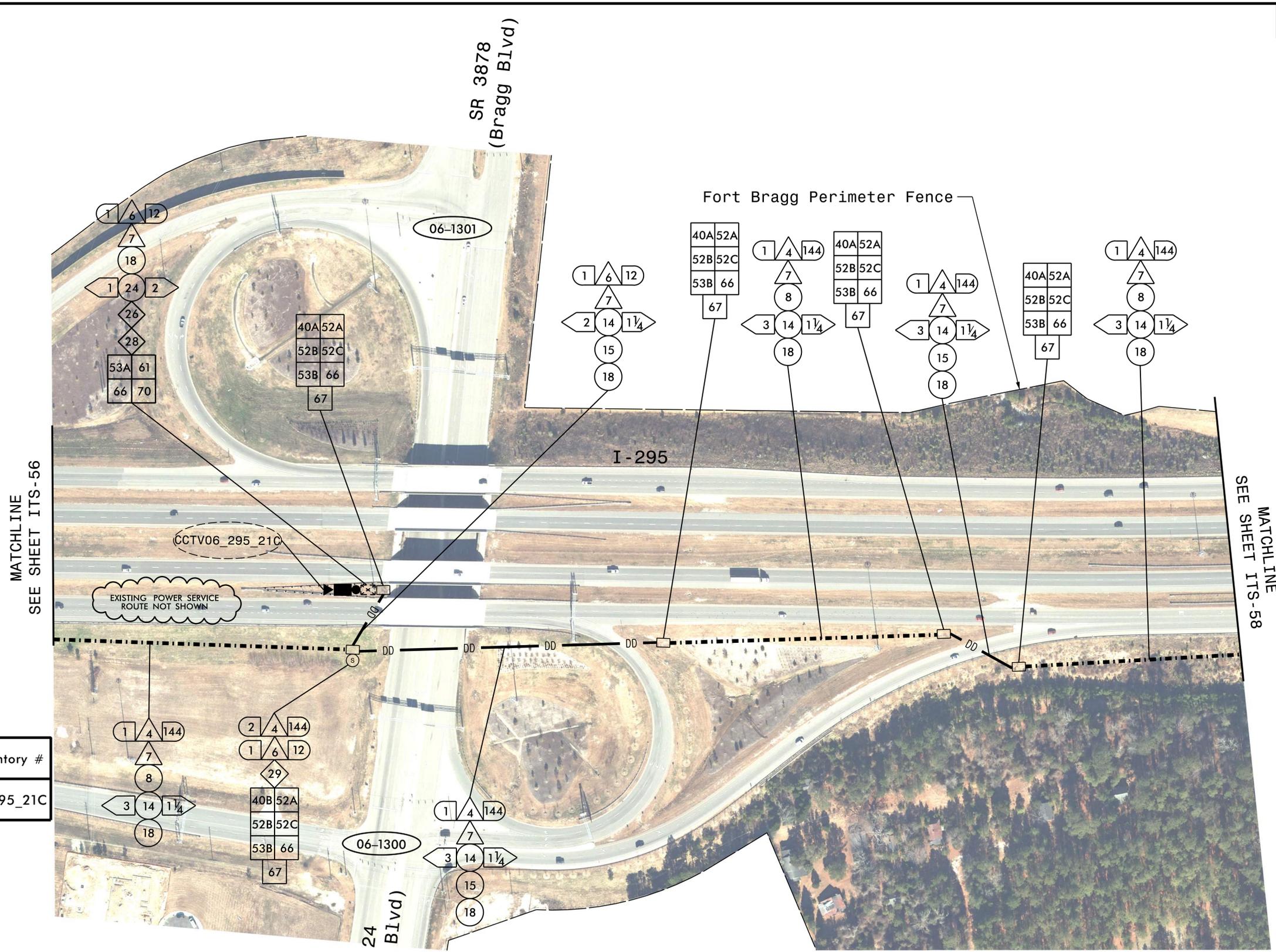
**NOTES:**

1. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.
2. RETURN EXISTING ETHERNET EDGE SWITCHES TO THE CITY OF FAYETTEVILLE.

**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 4000 Center at North Hills St  
 Suite 500  
 Raleigh, North Carolina 27609  
 NC License No: C-1554  
 (919) 546-8997

 Plans Prepared for: I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS	Division 6 Cumberland County Fayetteville		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023535 DAVID L. JONES
	PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
SCALE NONE	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	DATE _____ _____ _____

CADD File Name: U-2519F ITS-56.dgn



Old Inventory #	New Inventory #
06-7034	CCTV06_295_21C

NOTES:

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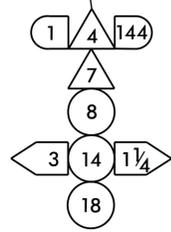
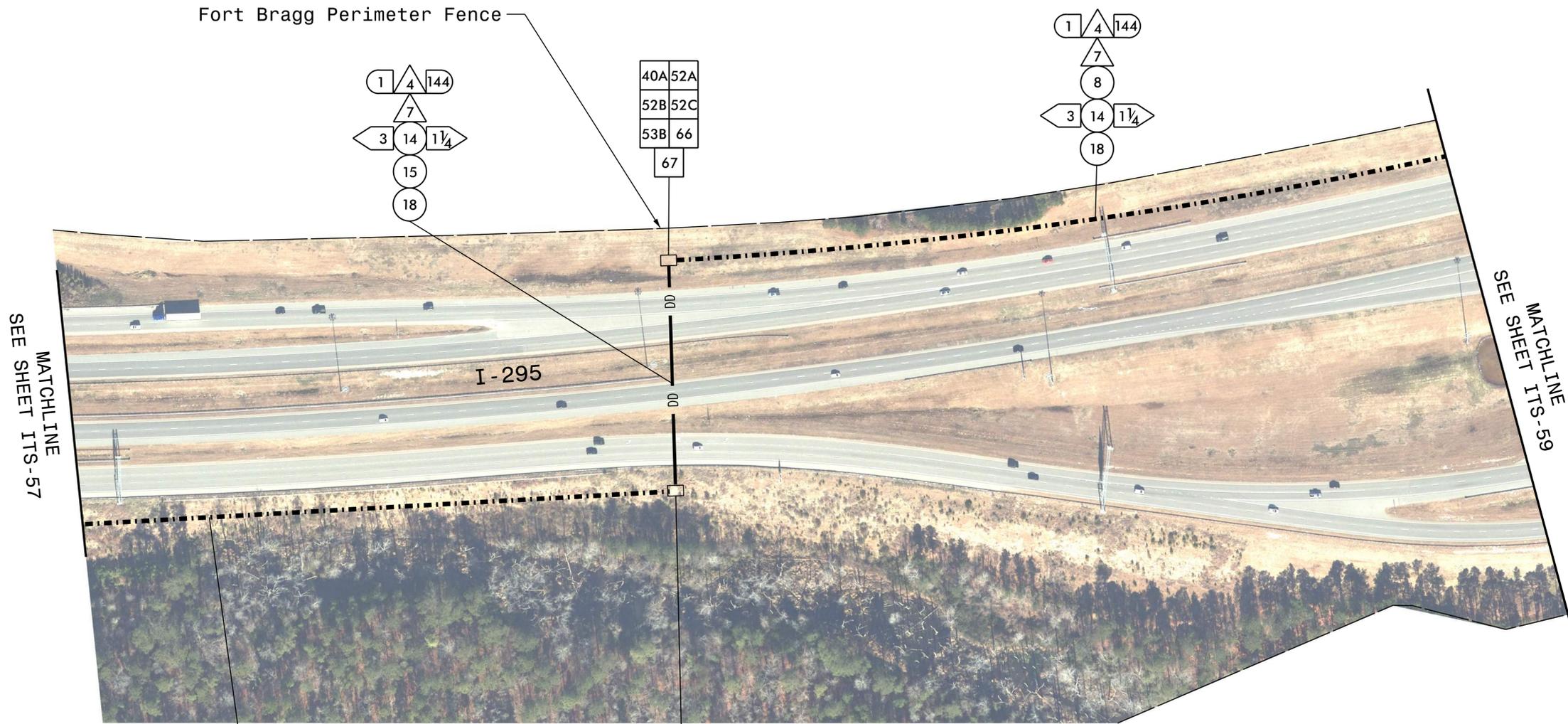
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I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS	
Division 6	Cumberland County Fayetteville
PLAN DATE: January 2025	REVIEWED BY: N.R. Simmons
PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023535  
 DAVID L. JONES  
 David L. Jones  
 11/10/2025  
 CADD File Name: U-2519F ITS-57.dgn

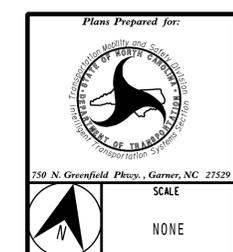


40A	52A
52B	52C
53B	66
67	

NOTES:

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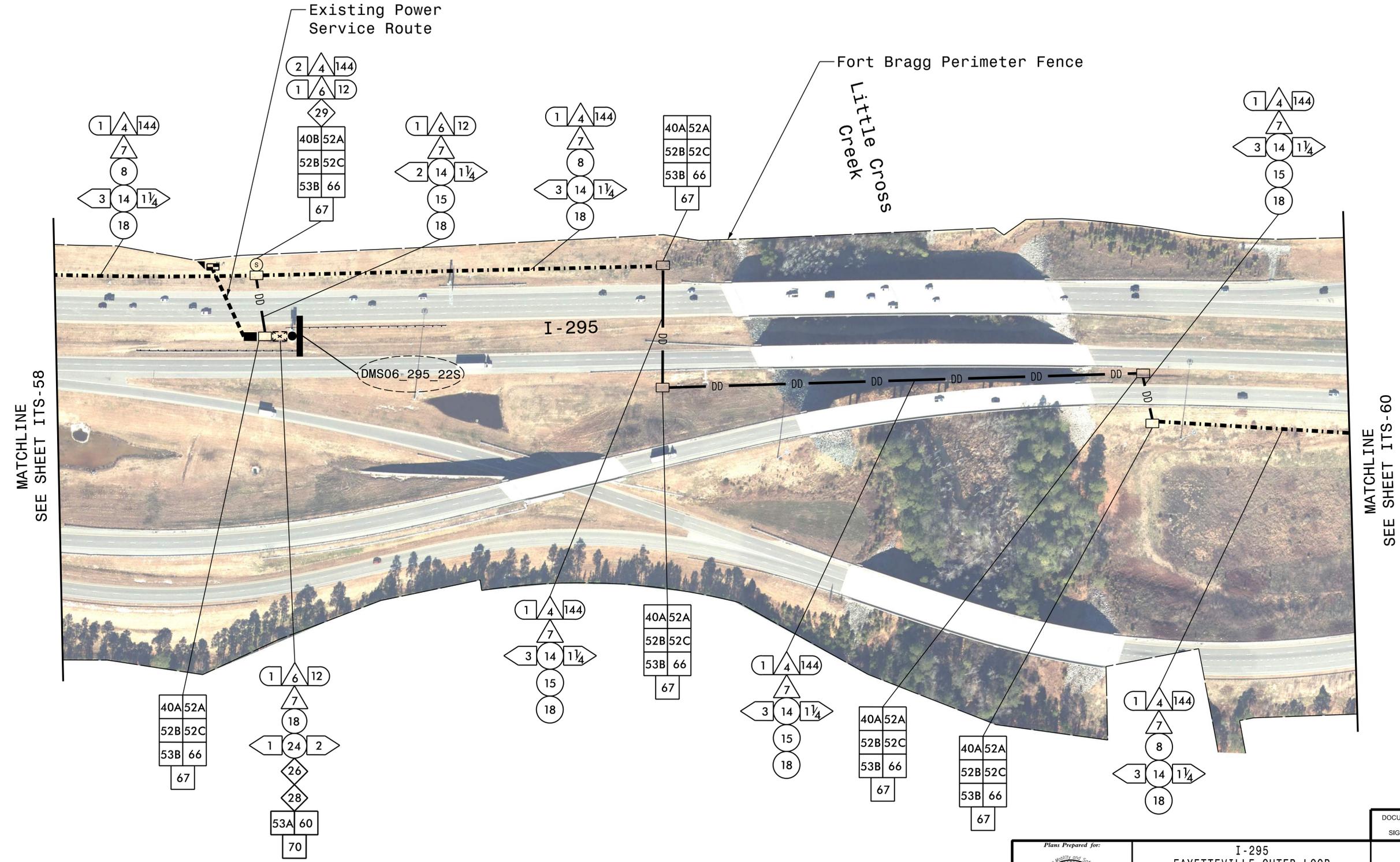


Plans Prepared for:		I-295	
FAYETTEVILLE OUTER LOOP		COMMUNICATIONS CABLE AND CONDUIT	
ROUTING PLANS			
Division 6	Cumberland County	Fayetteville	
PLAN DATE: January 2025	REVIEWED BY: N.R. Simmons		
PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones		
REVISIONS	INIT.	DATE	

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 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023535  
 DAVID L. JONES  
 11/10/2025  
 CADD Filename: U-2519F ITS-58.dgn

Old Inventory #	New Inventory #
06-9086	DMS06_295_22S

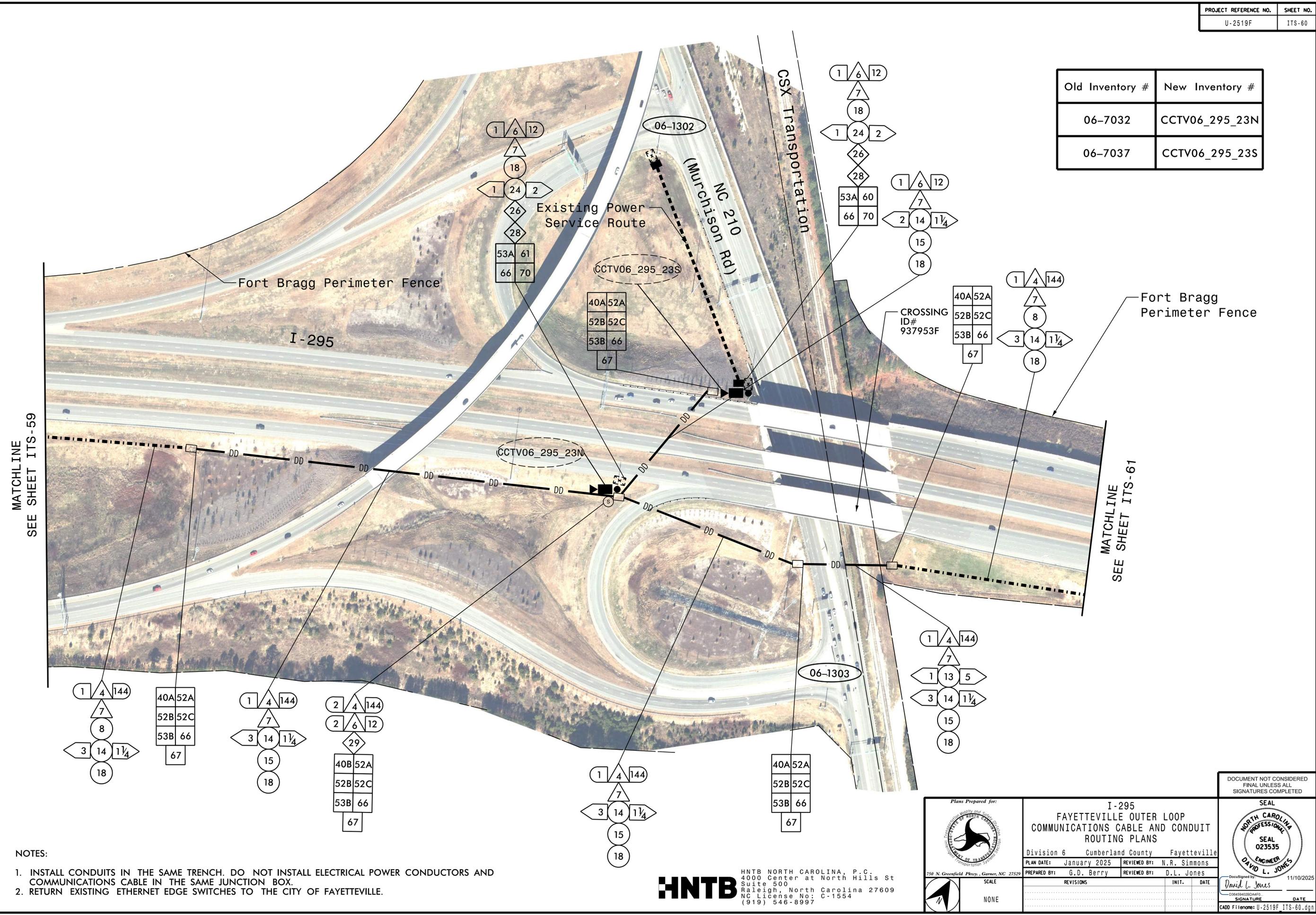


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	<b>I-295          FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
SCALE NONE	REVISIONS _____	INIT. DATE _____	SIGNATURE DATE _____

Old Inventory #	New Inventory #
06-7032	CCTV06_295_23N
06-7037	CCTV06_295_23S



MATCHLINE  
SEE SHEET ITS-59

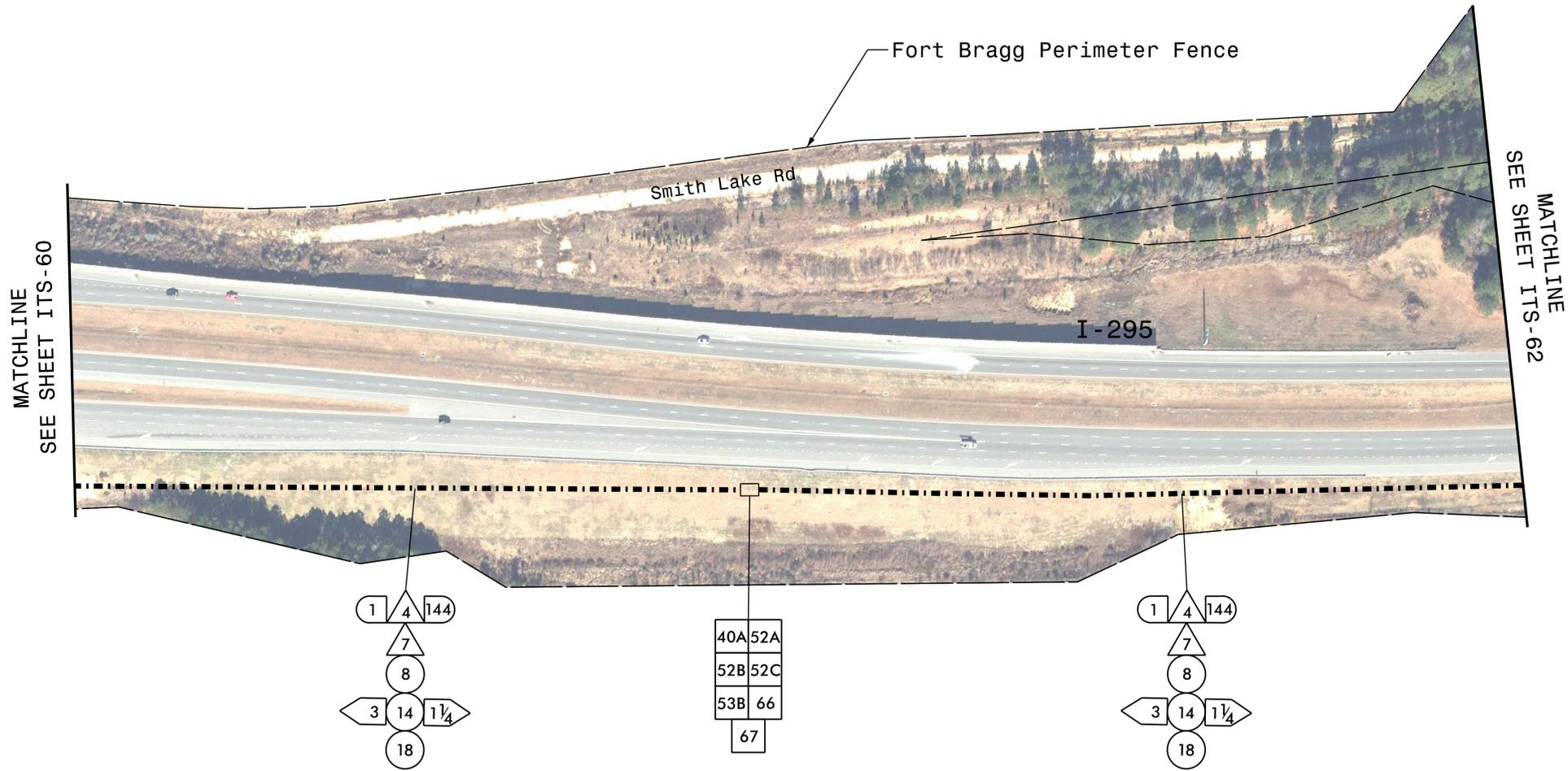
MATCHLINE  
SEE SHEET ITS-61

**NOTES:**

1. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.
2. RETURN EXISTING ETHERNET EDGE SWITCHES TO THE CITY OF FAYETTEVILLE.

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	<b>I-295                  FAYETTEVILLE OUTER LOOP                  COMMUNICATIONS CABLE AND CONDUIT                  ROUTING PLANS</b>		
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones		
SCALE NONE	REVISIONS _____	INIT. DATE _____	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL SEAL 023535 ENGINEER DAVID L. JONES Signed by: <i>David L. Jones</i> 11/10/2025 D:\0458402\BDM\F0 SIGNATURE DATE CADD Filename: U-2519F ITS-60.dgn



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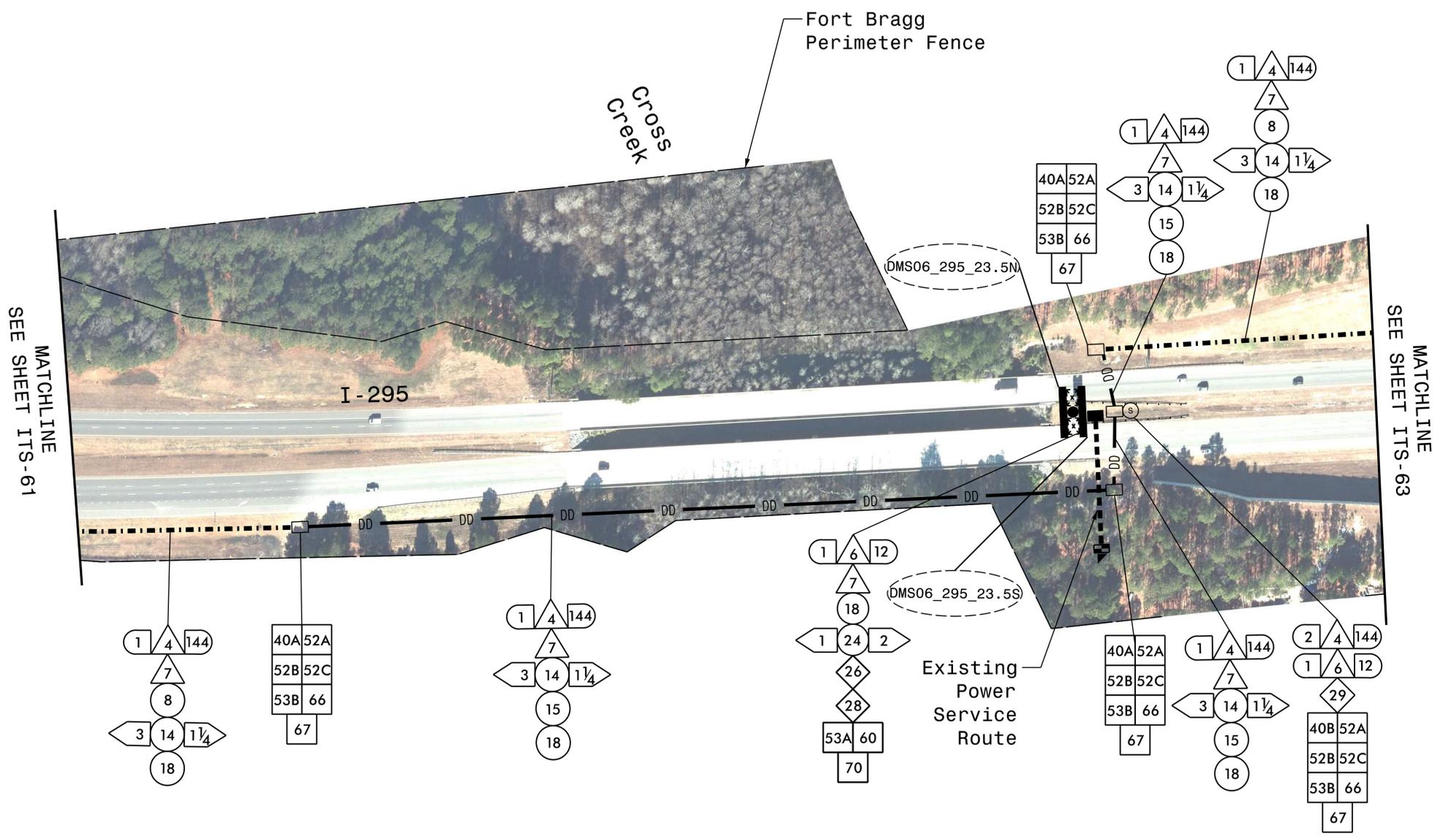
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 <small>250 N. Greenfield Place, Garner, NC 27529</small>	<b>I-295</b> <b>FAYETTEVILLE OUTER LOOP</b> <b>COMMUNICATIONS CABLE AND CONDUIT</b> <b>ROUTING PLANS</b>		 <small>DocuSigned by: David L. Jones 11/10/2025</small>						
	<small>Division 6</small> Cumberland County Fayetteville	<small>PLAN DATE:</small> January 2025		<small>REVIEWED BY:</small> N.R. Simmons					
<small>PREPARED BY:</small> G.D. Berry	<small>REVIEWED BY:</small> D.L. Jones	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				<small>CADD Filename:</small> U-2519F ITS-61.dgn
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Old Inventory #	New Inventory #
06-9084	DMS06_295_23.5N
06-9085	DMS06_295_23.5S



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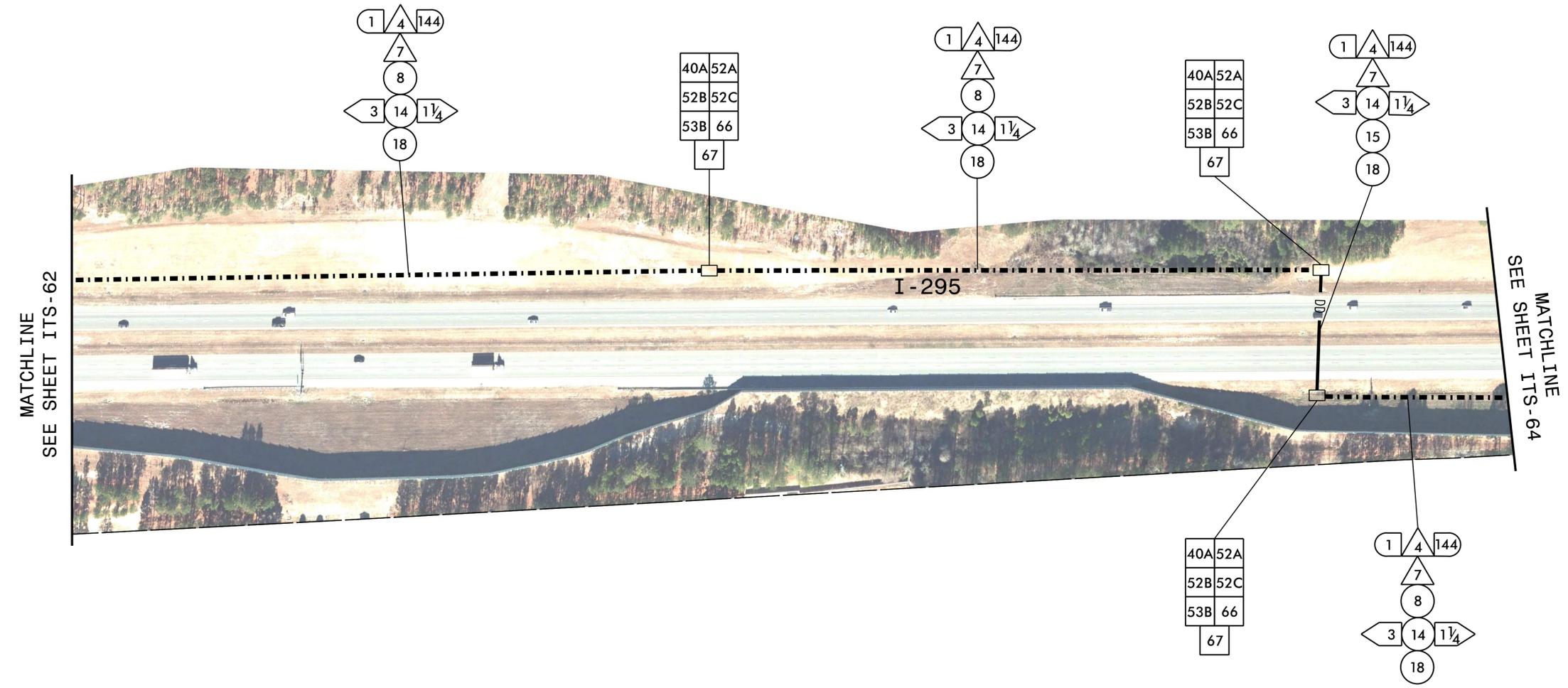
I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS	
Division 6	Cumberland County Fayetteville
PLAN DATE: January 2025	REVIEWED BY: N.R. Simmons
PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones
SCALE: NONE	
REVISIONS	INIT. DATE

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023535  
 DAVID L. JONES

DocuSigned by:  
 David L. Jones  
 11/10/2025

CADD File Name: U-2519F ITS-62.dgn



NOTES:

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 (919) 546-8997

Plans Prepared for:

250 N. Greenfield Place, Garner, NC 27529

SCALE: NONE

**I-295  
 FAYETTEVILLE OUTER LOOP  
 COMMUNICATIONS CABLE AND CONDUIT  
 ROUTING PLANS**

Division 6 Cumberland County Fayetteville

PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons

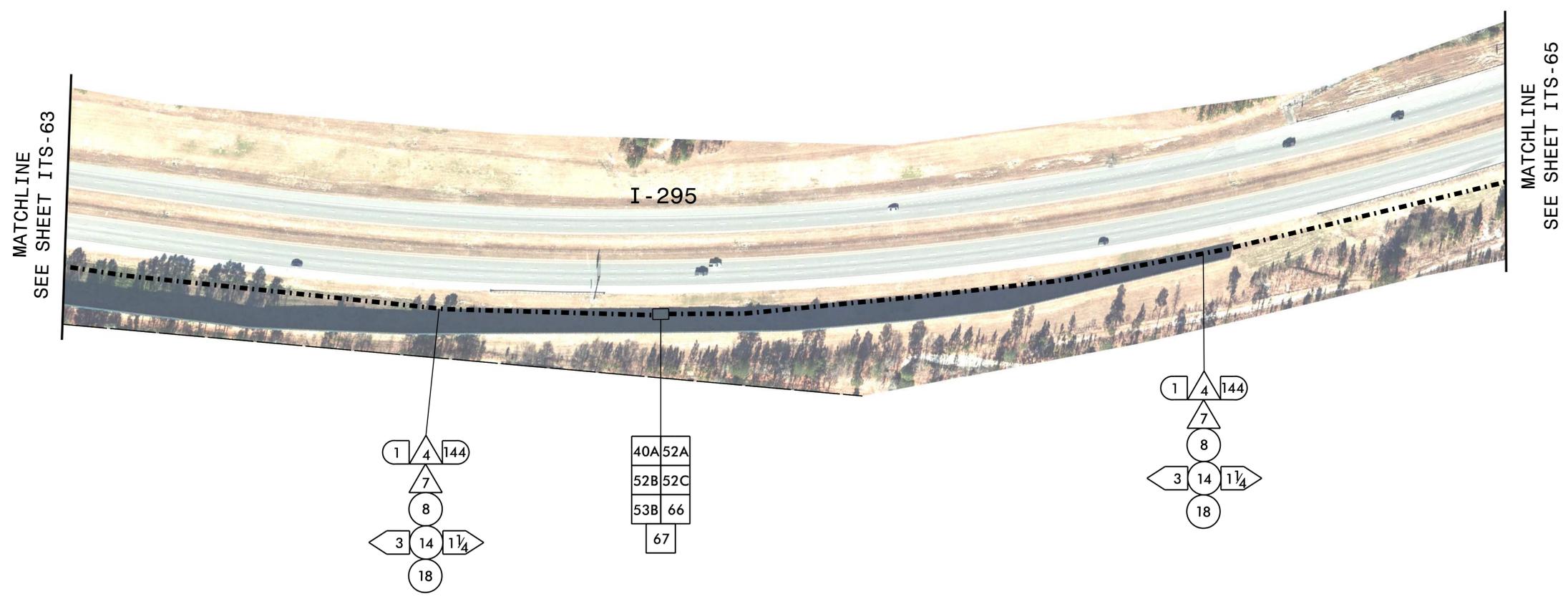
PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones

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SEAL

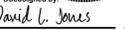
David L. Jones  
 11/10/2025  
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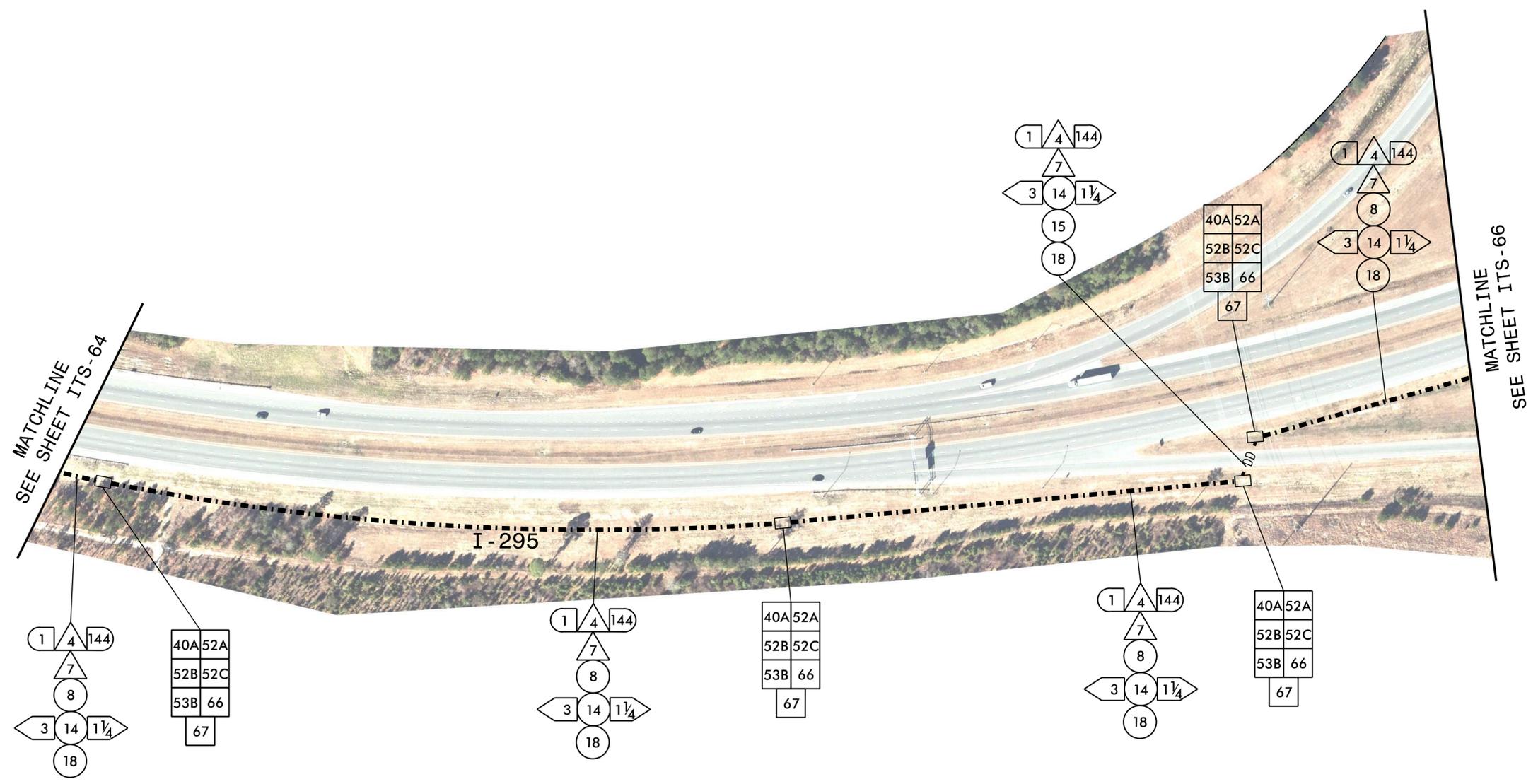


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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	<b>I-295</b> <b>FAYETTEVILLE OUTER LOOP</b> <b>COMMUNICATIONS CABLE AND CONDUIT</b> <b>ROUTING PLANS</b>		SEAL  SEAL <b>023535</b> ENGINEER <b>DAVID L. JONES</b>								
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED							
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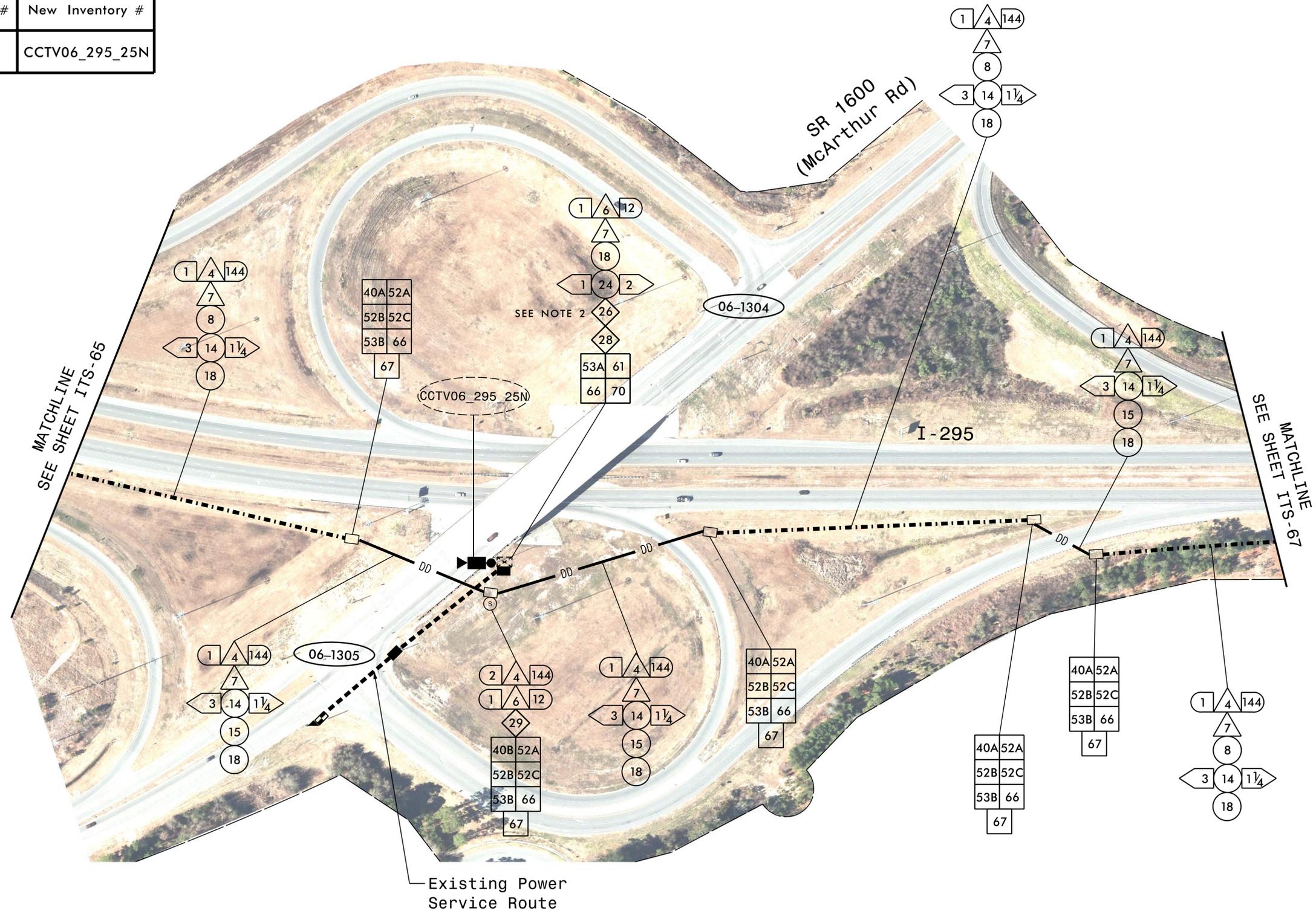
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Plans Prepared for: 	<b>I-295          FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL 
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
250 N. Greenfield Place, Garner, NC 27529 SCALE: NONE	REVISIONS INIT. DATE	SIGNATURE DATE	11/10/2025 David L. Jones CADD Filename: U-2519F ITS-65.dgn

Old Inventory #	New Inventory #
06-7031	CCTV06_295_25N



NOTES:

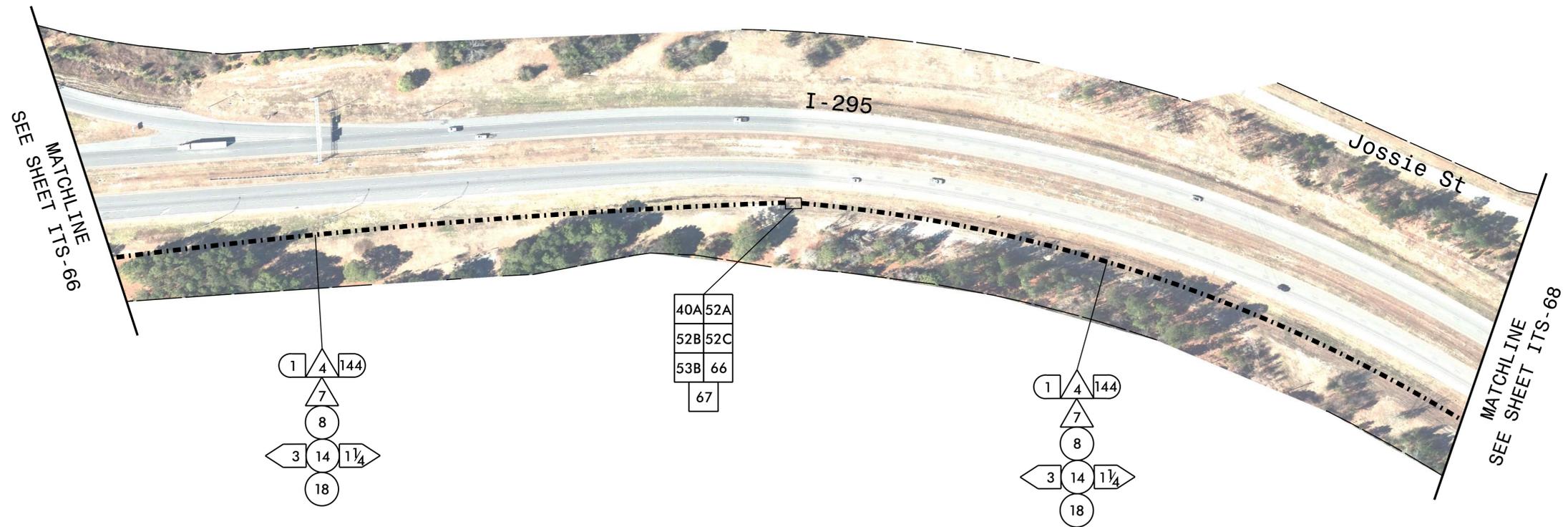
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	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones
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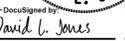
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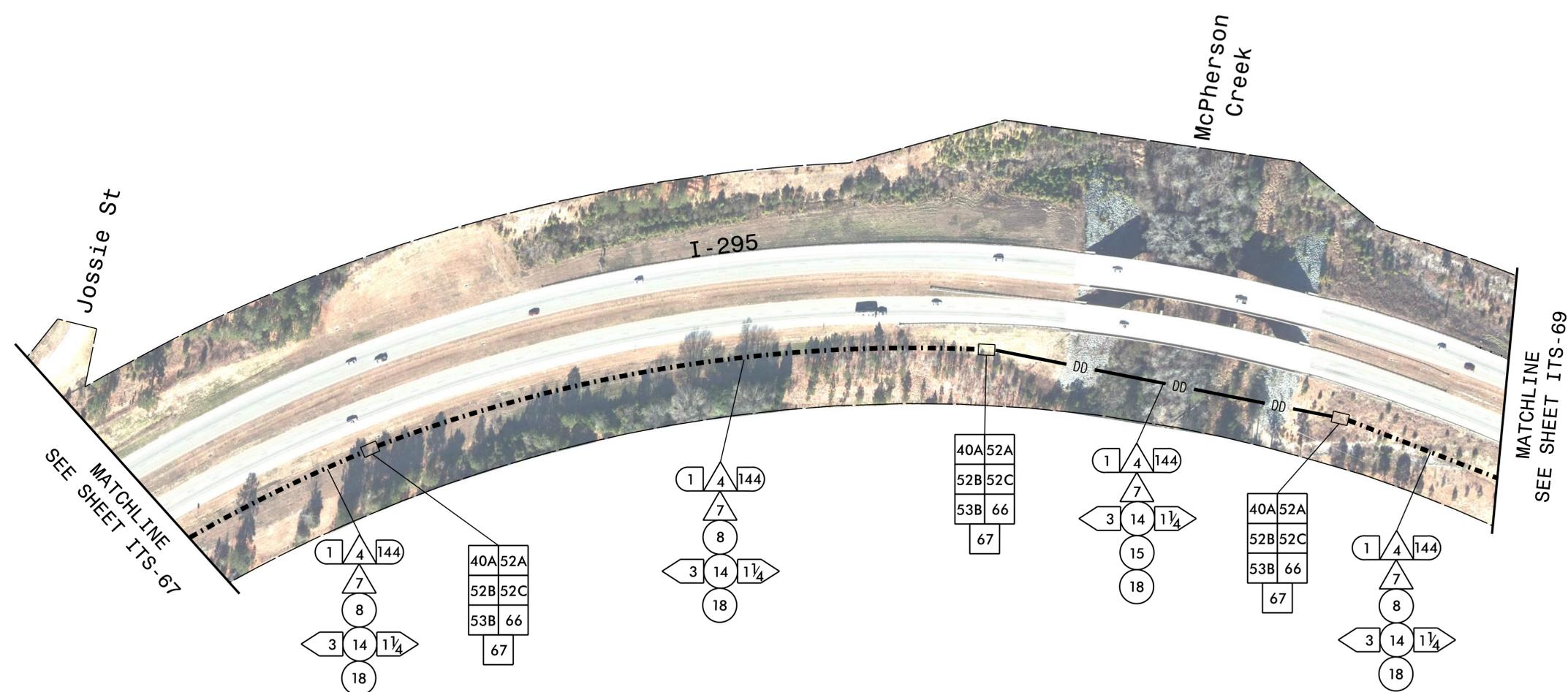


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Division 6 Cumberland County Fayetteville		PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons											
250 N. Greenfield Place, Garner, NC 27529		PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones											
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REVISIONS	INIT.	DATE											
		DocuSigned by:  11/10/2025 CADD File name: U-2519F ITS-67.dgn											



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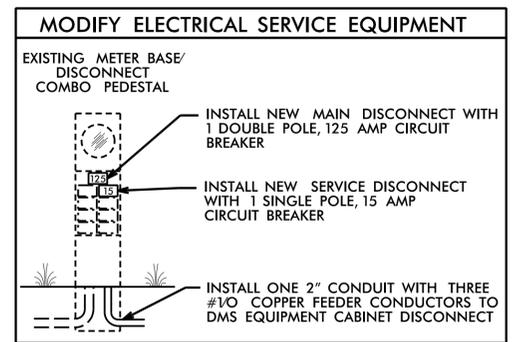
 <small>250 N. Greenfield Place, Garner, NC 27529</small>	<b>I-295</b> <b>FAYETTEVILLE OUTER LOOP</b> <b>COMMUNICATIONS CABLE AND CONDUIT</b> <b>ROUTING PLANS</b>		 <small>11/10/2025</small>								
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS	INIT.	DATE					
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# CCTV06\_295\_26.5S GPS COORDINATES

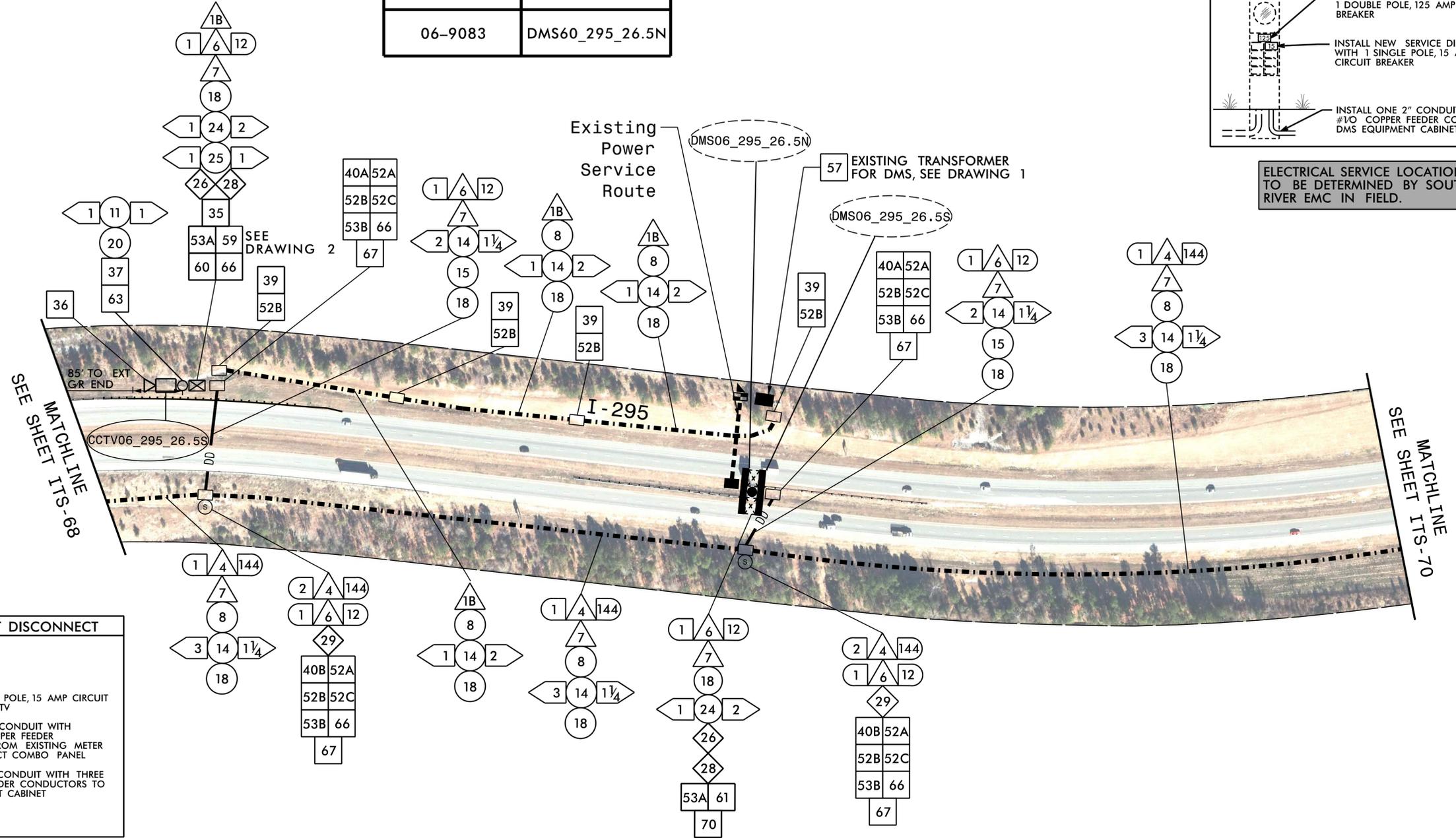
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W 78° 53.890'

Old Inventory #	New Inventory #
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06-9083	DMS60_295_26.5N

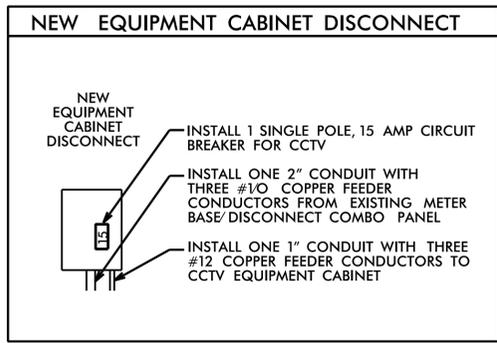
## DRAWING 1



ELECTRICAL SERVICE LOCATION TO BE DETERMINED BY SOUTH RIVER EMC IN FIELD.



## DRAWING 2



### NOTES:

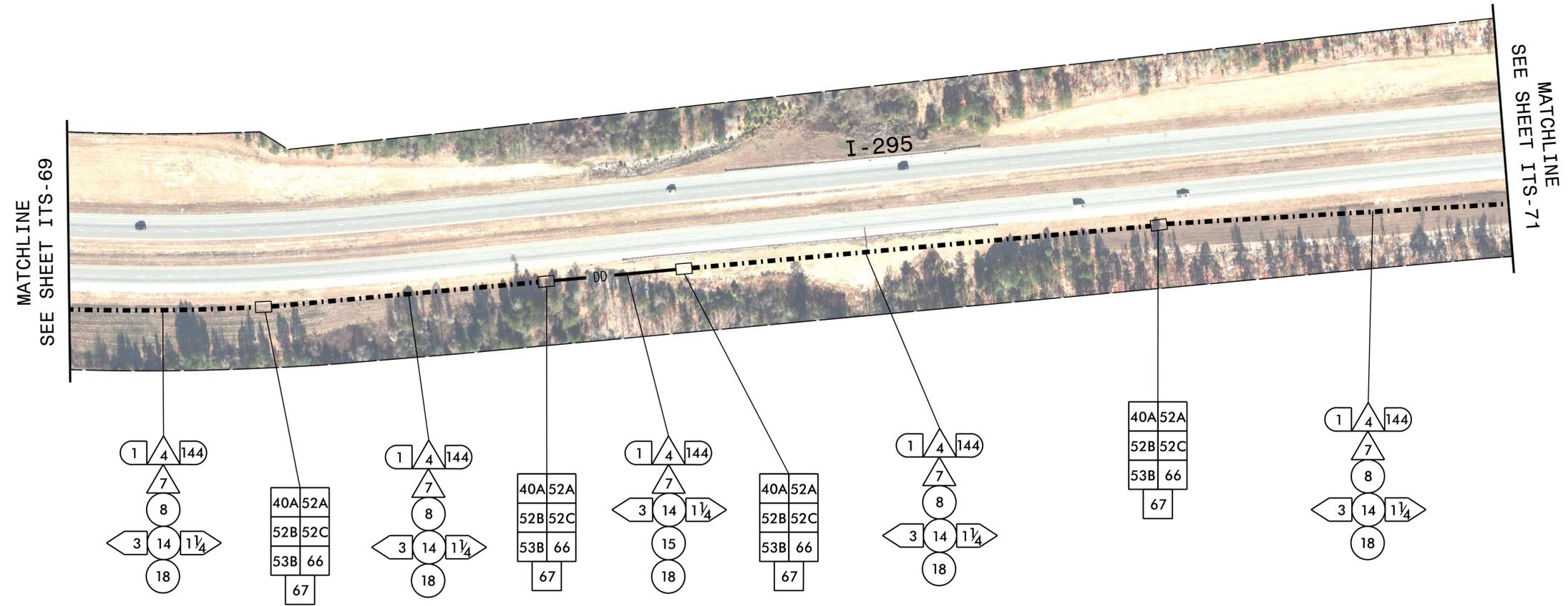
- CONTACT THE NCDOT DIVISION 6 TRAFFIC ENGINEER AT (910) 364-0606 TO CONFIRM THE LOCATION OF THE CCTV CAMERAS OR DMS.
- MOUNT THE CCTV CAMERA 15 FEET BELOW THE TOP OF THE POLE.
- DO NOT INSTALL CONDUIT OR JUNCTION BOXES UNTIL THE LOCATION OF THE CCTV CAMERA HAS BEEN CONFIRMED BY THE NCDOT DIVISION 6 TRAFFIC ENGINEER.
- INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.
- CONTACT SOUTH RIVER EMC AT (910) 892-8071 TO ARRANGE FOR POWER TO ELECTRICAL SERVICE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MAXIMUM AVAILABLE FAULT CURRENT INFORMATION FROM THE POWER COMPANY FOR THE REQUIRED ELECTRICAL SERVICE AND PLACE A "FAULT CURRENT" STICKER INSIDE THE SERVICE DISCONNECT PANEL WITH THE DATE AND AVAILABLE FAULT CURRENT ON THE STICKER.
- SEE SHEET ITS-92 FOR GUARDRAIL DETAILS.

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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	<b>I-295          FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL  SEAL <b>DAVID L. JONES</b> ENGINEER 11/10/2025
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones	REVISIONS INIT. DATE	

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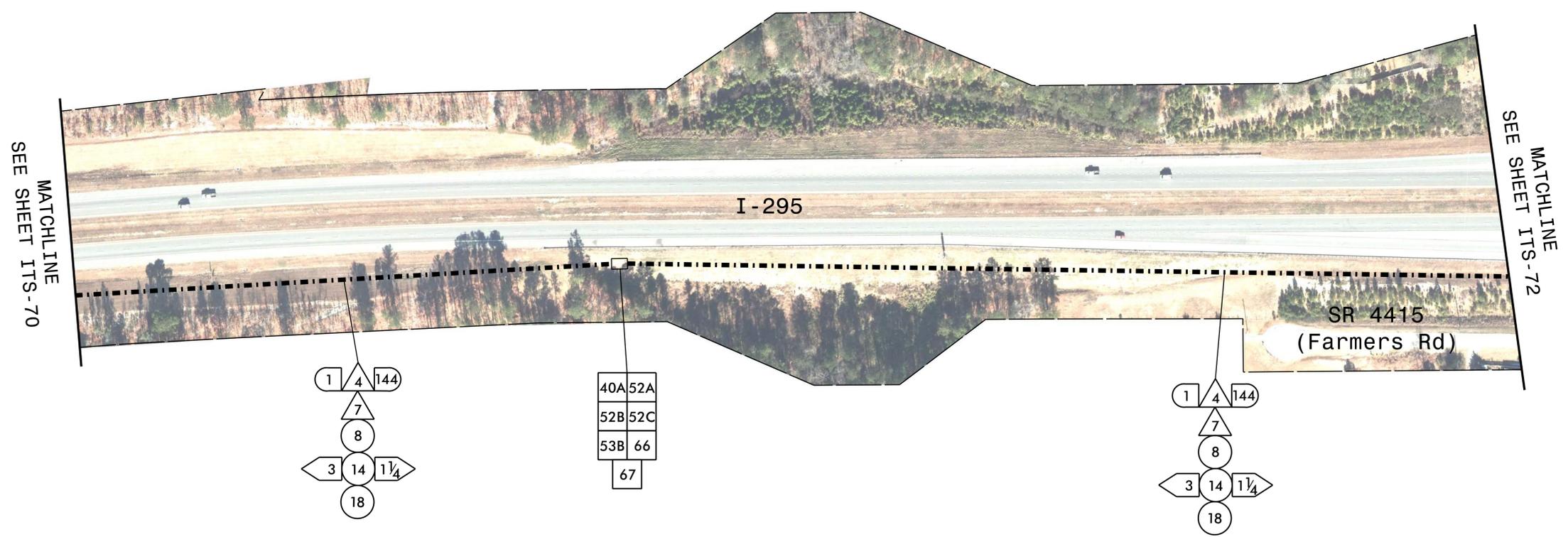
MATCHLINE  
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	SCALE NONE	REVISIONS INIT. DATE	



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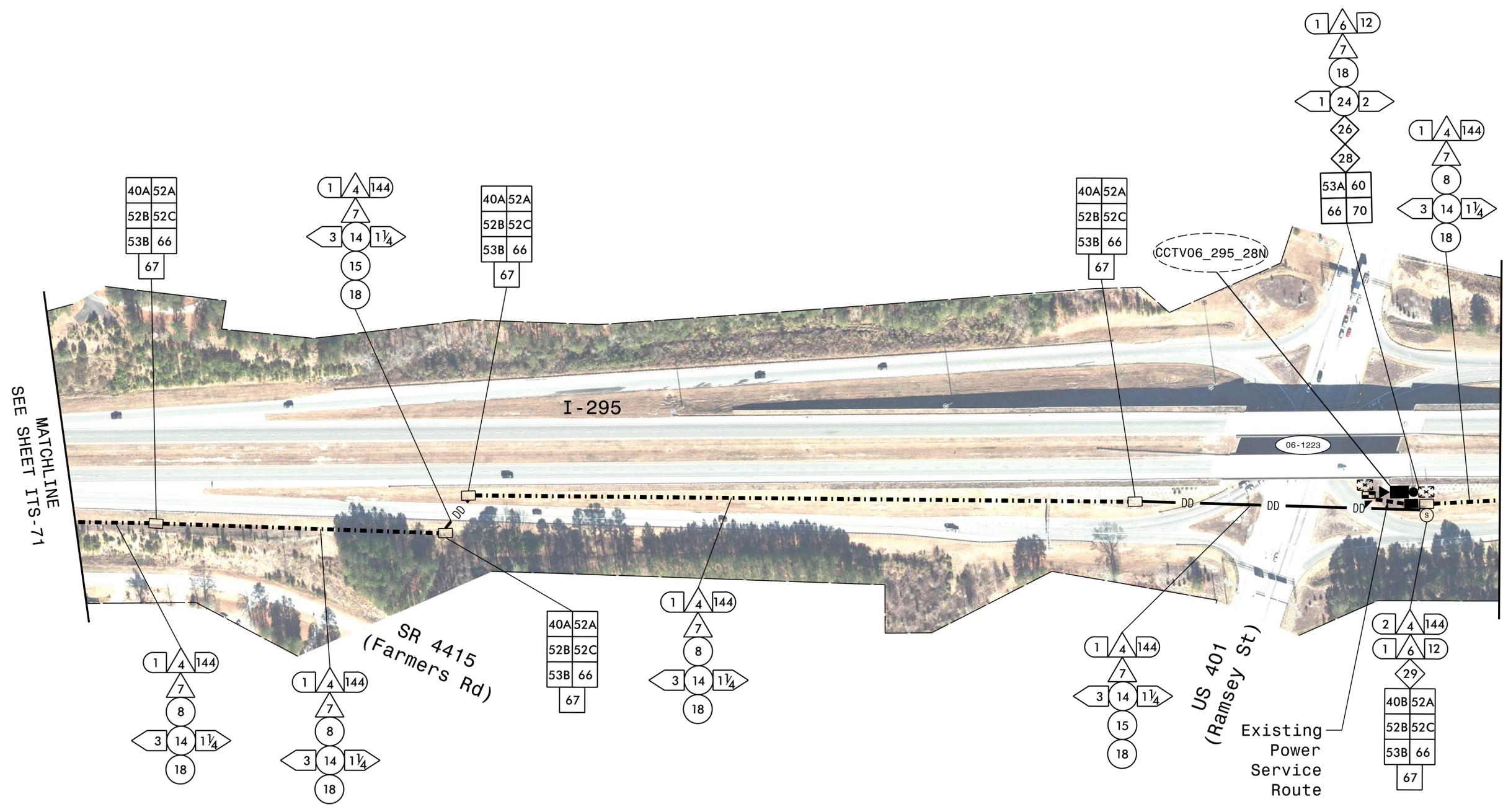
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	<small>Division 6</small> Cumberland County Fayetteville	<small>PLAN DATE:</small> January 2025		<small>REVIEWED BY:</small> N.R. Simmons					
<small>PREPARED BY:</small> G.D. Berry	<small>REVIEWED BY:</small> D.L. Jones	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				<small>CADD Filename:</small> U-2519F ITS-71.dgn
REVISIONS	INIT.	DATE							

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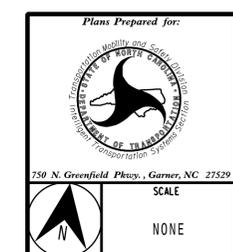
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SEE SHEET ITS-71

MATCHLINE  
SEE SHEET ITS-73

**NOTES:**

1. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.
2. RETURN EXISTING ETHERNET EDGE SWITCHES TO THE CITY OF FAYETTEVILLE.

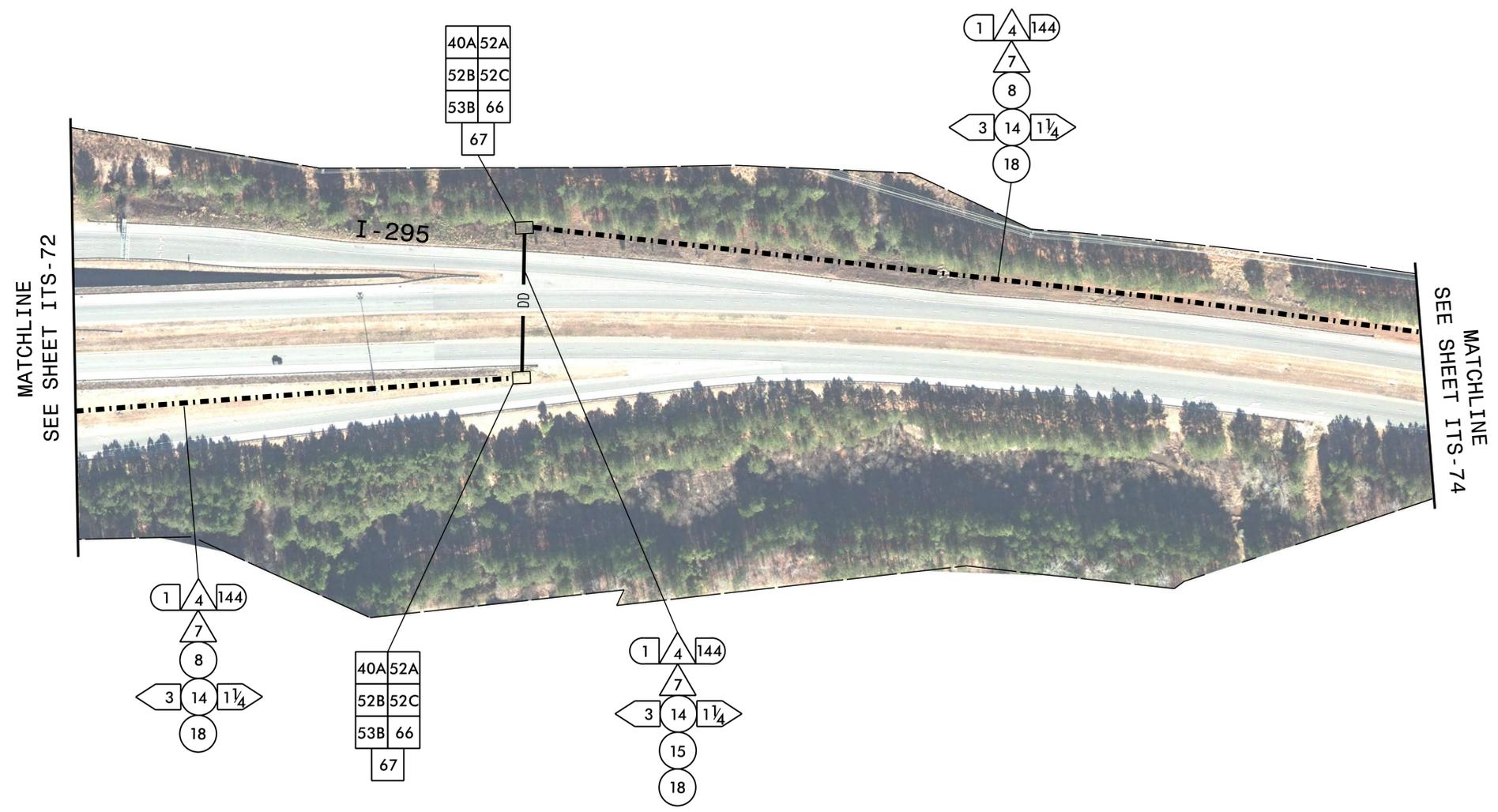
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<b>I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS</b>	
Division 6	Cumberland County Fayetteville
PLAN DATE: January 2025	REVIEWED BY: N.R. Simmons
PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones
SCALE	DATE
NONE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

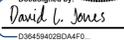
SEAL  
 NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 SEAL  
 023535  
 DAVID L. JONES  
 11/10/2025  
 CADD File name: U-2519F ITS-72.dgn



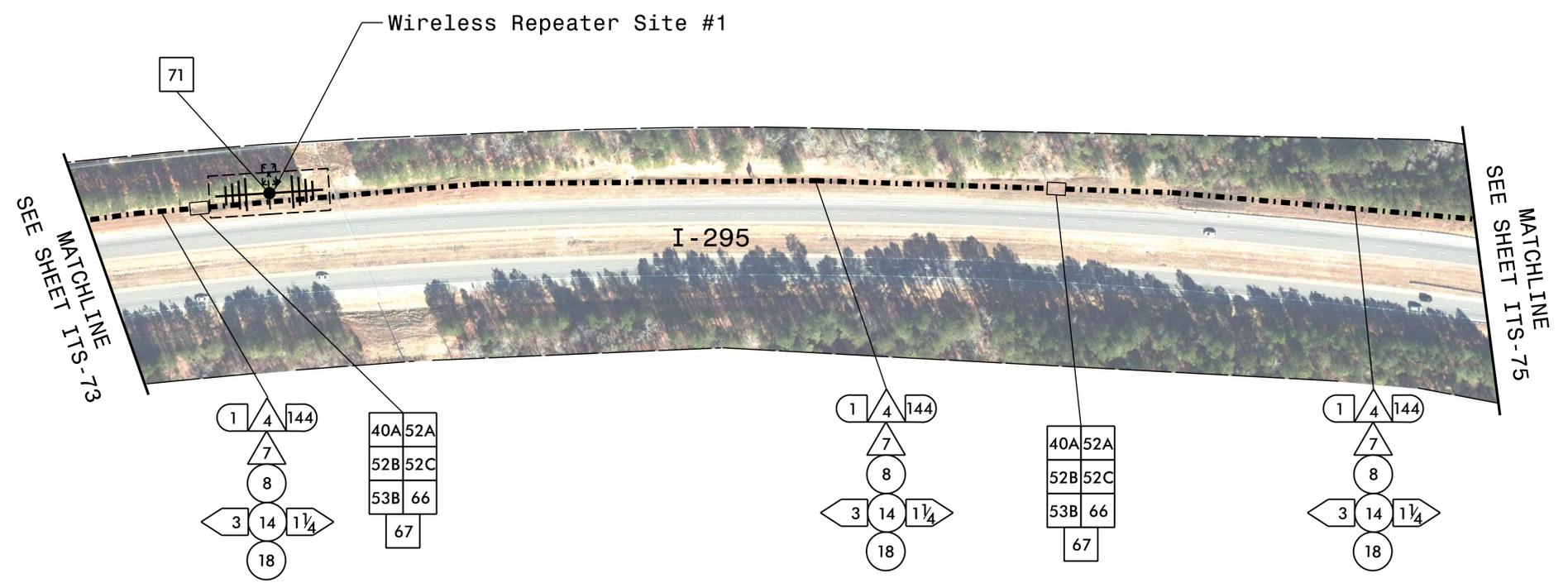
NOTES:

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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023535 DAVID L. JONES								
Division 6 Cumberland County Fayetteville		PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones										
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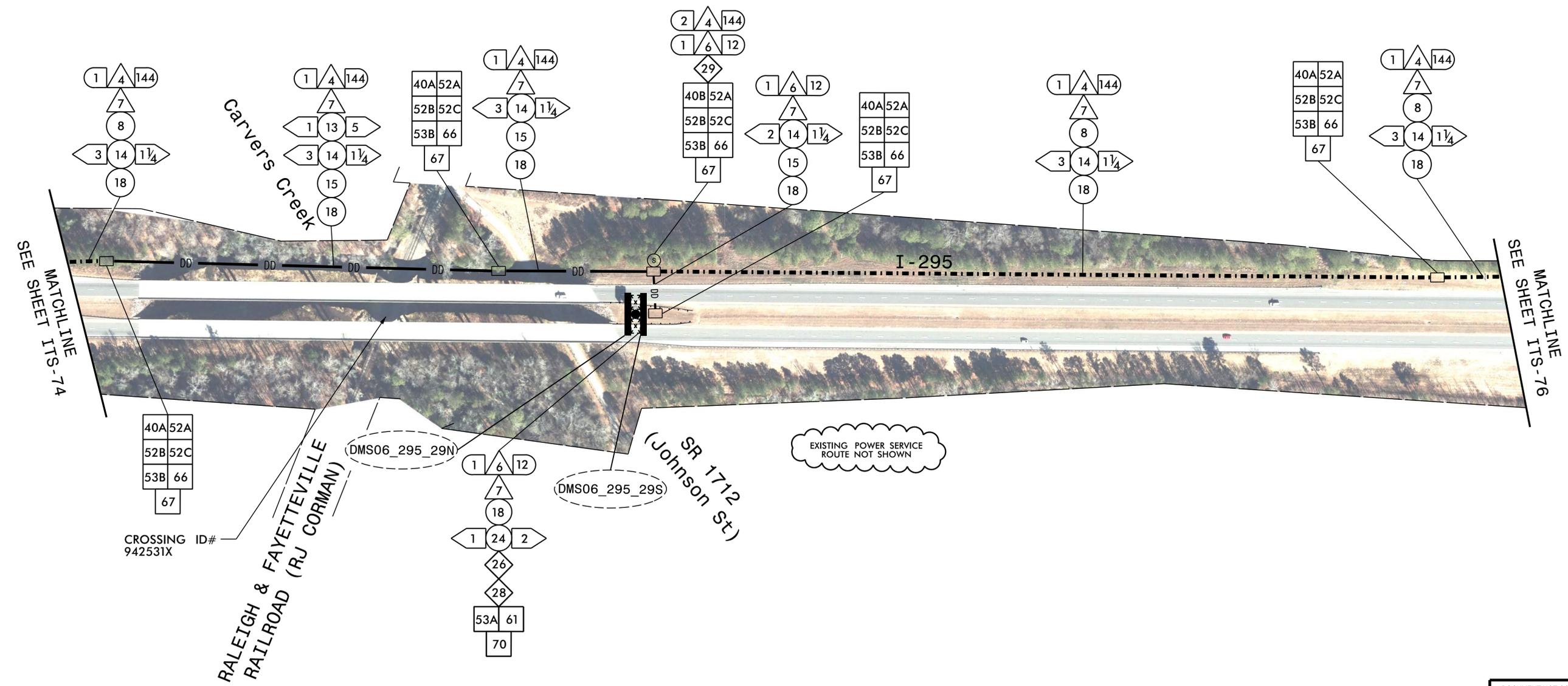
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	I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS		
	Division 6	Cumberland County	
PLANNED BY:	January 2025	REVIEWED BY:	N.R. Simmons
PREPARED BY:	G.D. Berry	REVIEWED BY:	D.L. Jones
SCALE	NONE	REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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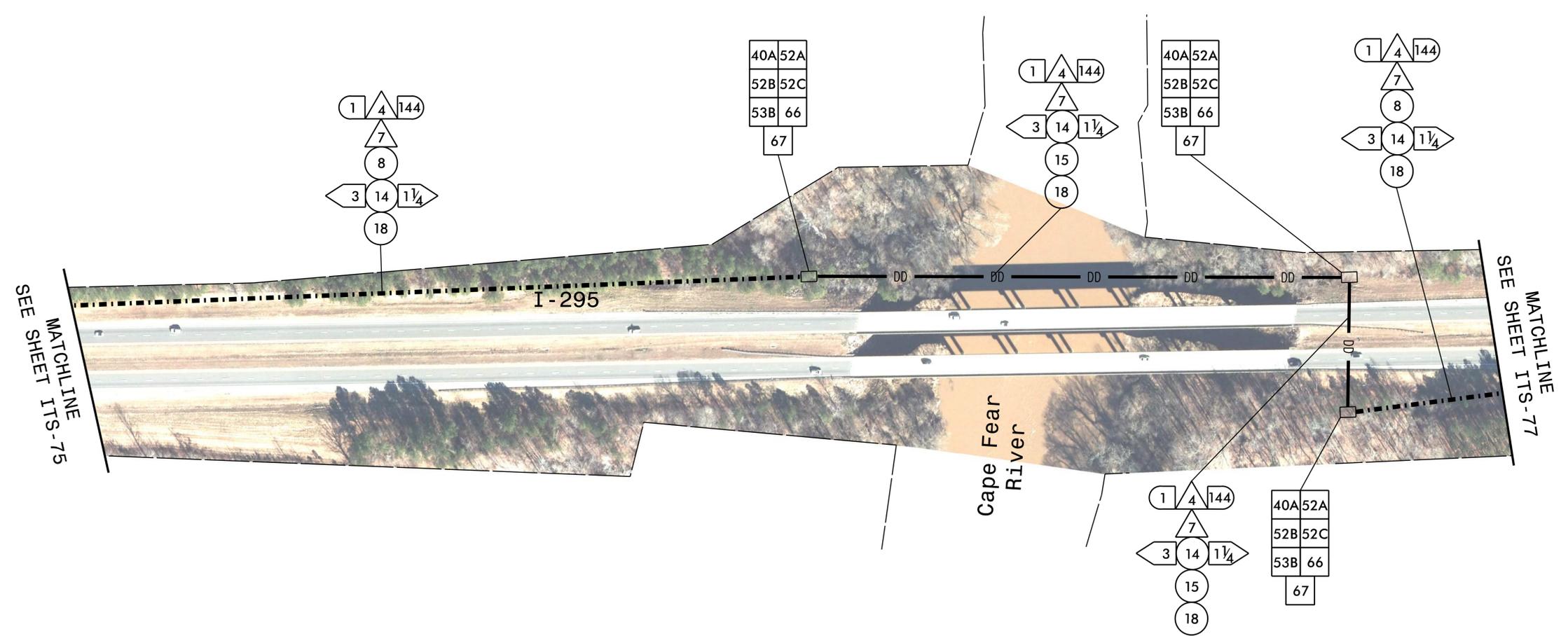


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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	<b>I-295                  FAYETTEVILLE OUTER LOOP                  COMMUNICATIONS CABLE AND CONDUIT                  ROUTING PLANS</b>		SEAL  SEAL 023535 DAVID L. JONES
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
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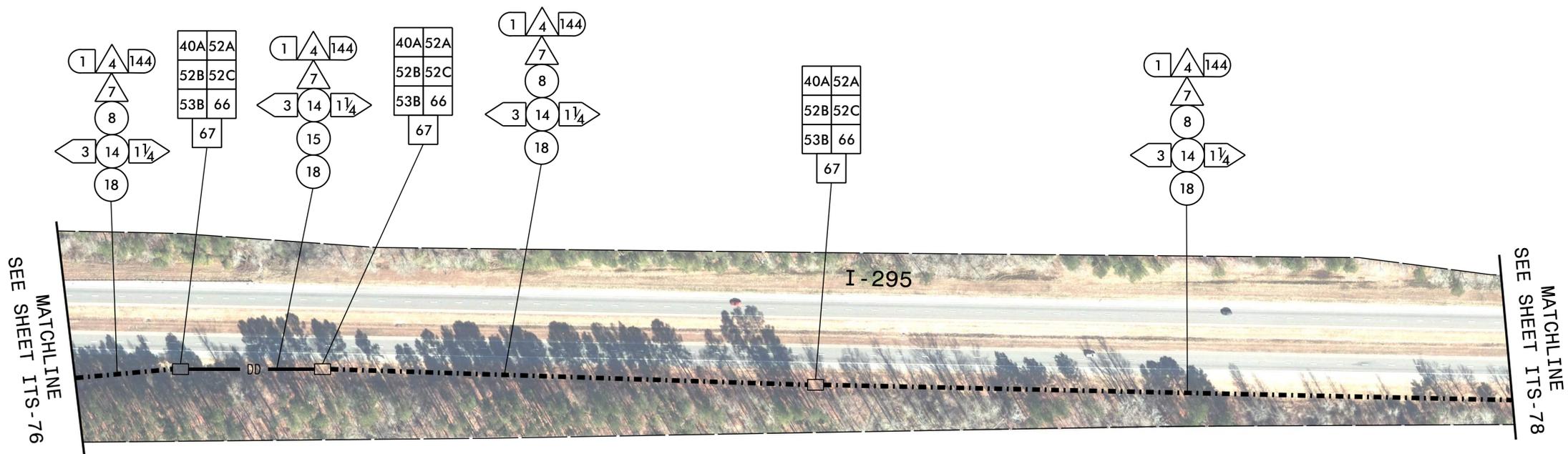


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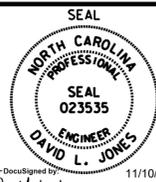
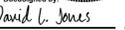
Plans Prepared for: 	<b>I-295          FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL  SEAL <b>DAVID L. JONES</b> ENGINEER 11/10/2025
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry SCALE: NONE	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones REVISIONS INIT. DATE	

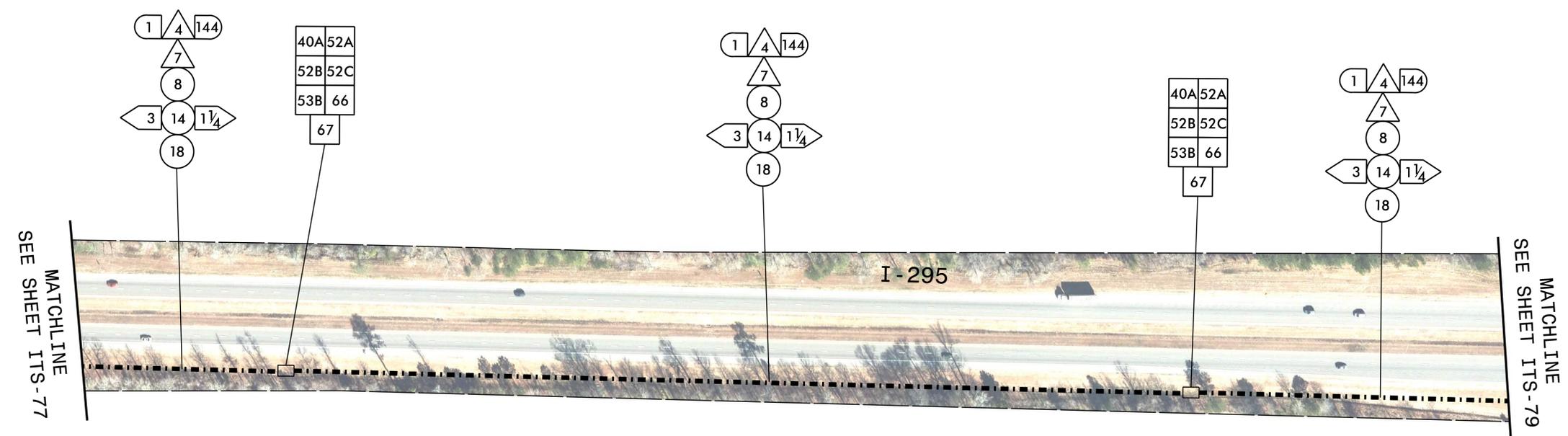


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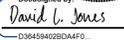
Plans Prepared for:  250 N. Greenfield Place - Garner, NC 27529		I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b> Division 6 Cumberland County Fayetteville		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones			DocuSigned by:  11/10/2025 CADD File name: U-2519F ITS-77.dgn	
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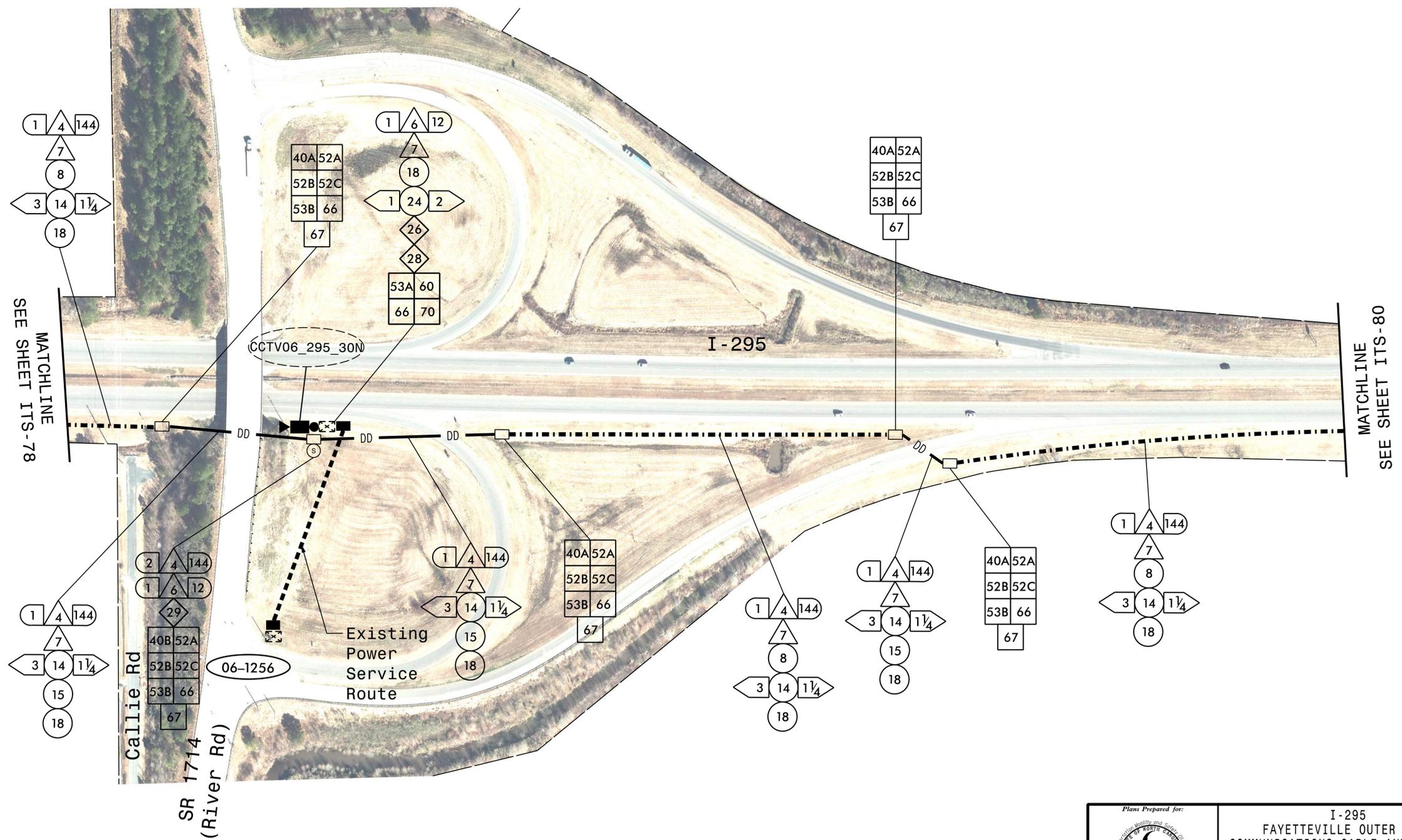
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER DAVID L. JONES											
Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>INIT.</th> <th>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> </tbody> </table>			NO.	INIT.	DATE								
NO.	INIT.	DATE													
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CADD File name: U-2519F ITS-78.dgn

Old Inventory #	New Inventory #
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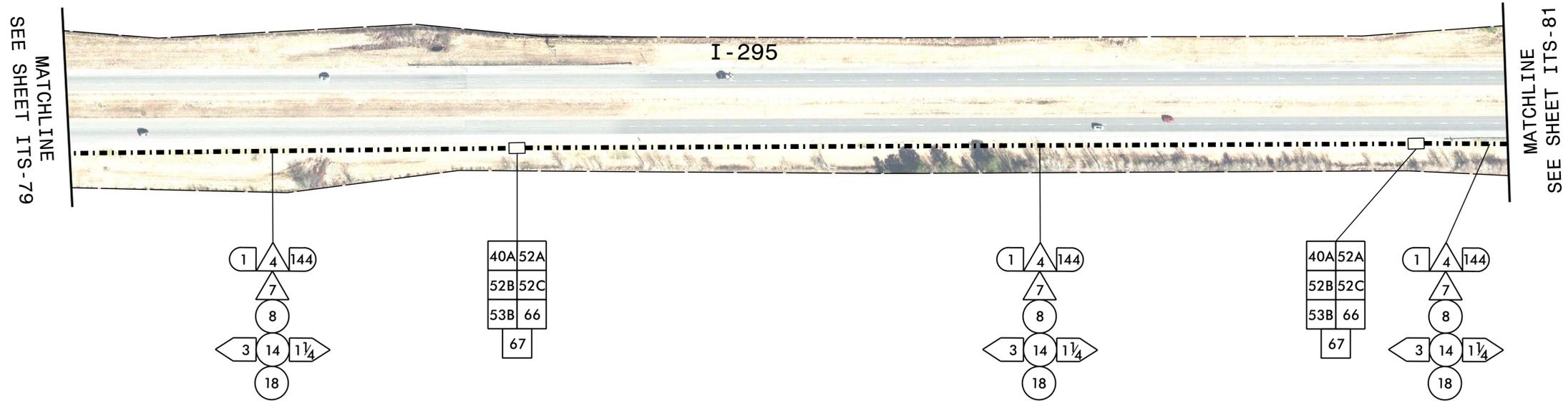
MATCHLINE  
SEE SHEET ITS-78

MATCHLINE  
SEE SHEET ITS-80

- NOTES:
- INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.

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 Plans Prepared for: I-295 FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  David L. Jones 11/10/2025 CADD Filename: U-2519F ITS-79.dgn
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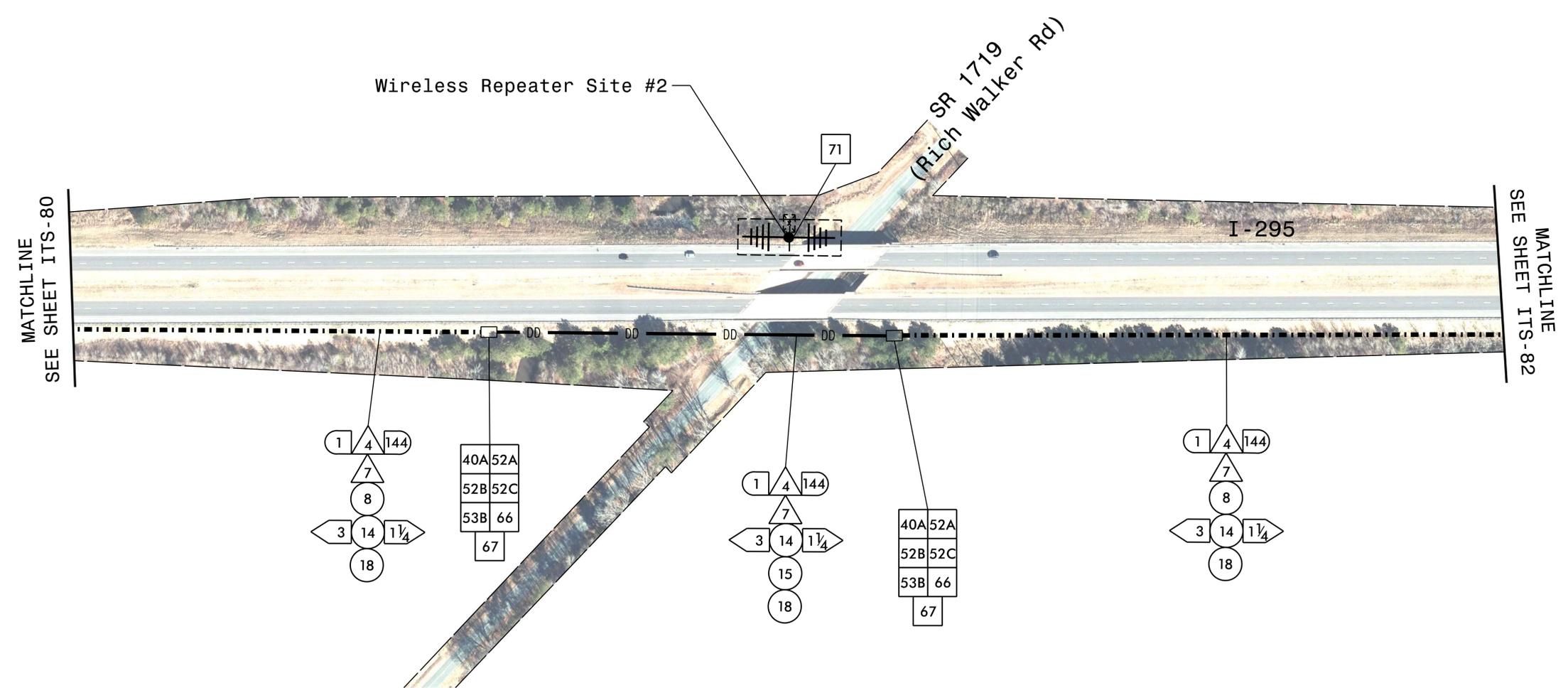
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 <small>250 N. Greenfield Place, Garner, NC 27529</small>	<b>I-295</b> <b>FAYETTEVILLE OUTER LOOP</b> <b>COMMUNICATIONS CABLE AND CONDUIT</b> <b>ROUTING PLANS</b>		 <small>DocuSigned by: David L. Jones 11/10/2025</small>						
	<small>Division 6</small> Cumberland County Fayetteville	<small>PLAN DATE:</small> January 2025		<small>REVIEWED BY:</small> N.R. Simmons					
<small>PREPARED BY:</small> G.D. Berry	<small>REVIEWED BY:</small> D.L. Jones	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				<small>CADD File name:</small> U-2519F ITS-80.dgn
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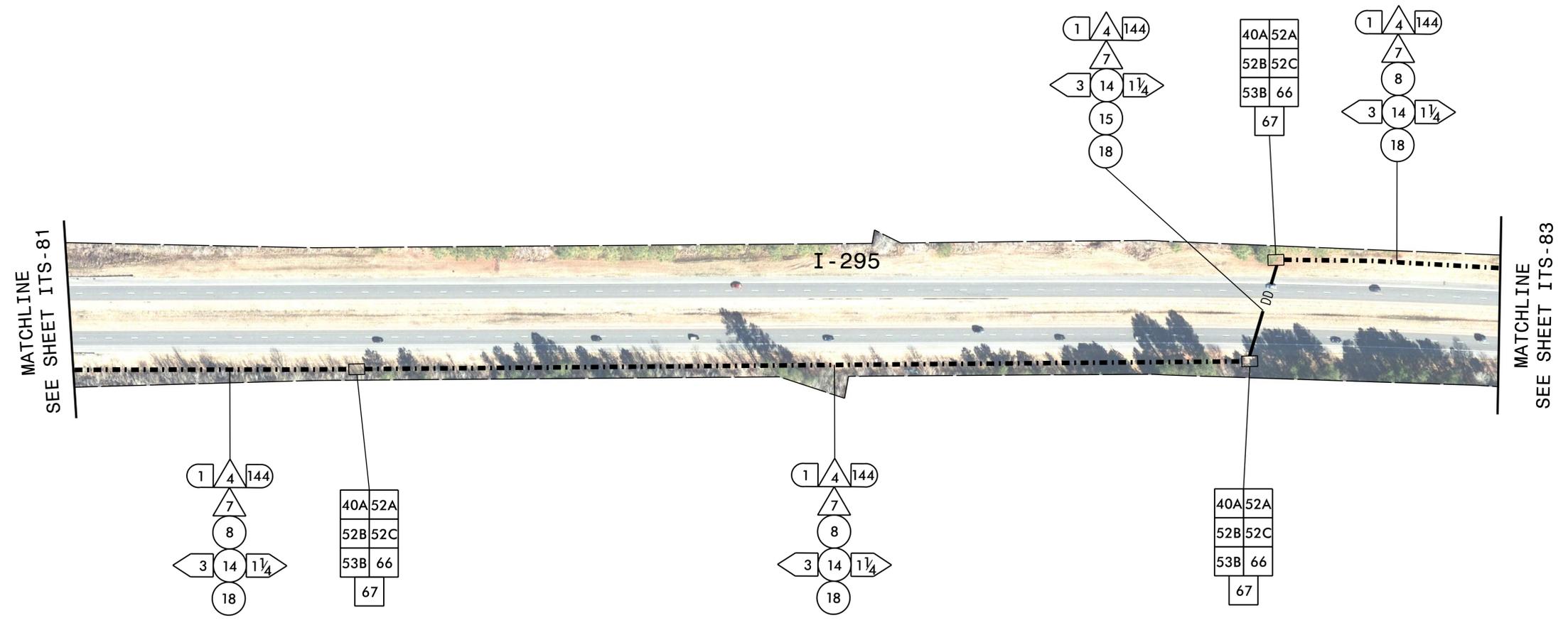


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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	<b>I-295          FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		SEAL  ENGINEER <b>DAVID L. JONES</b>					
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED				
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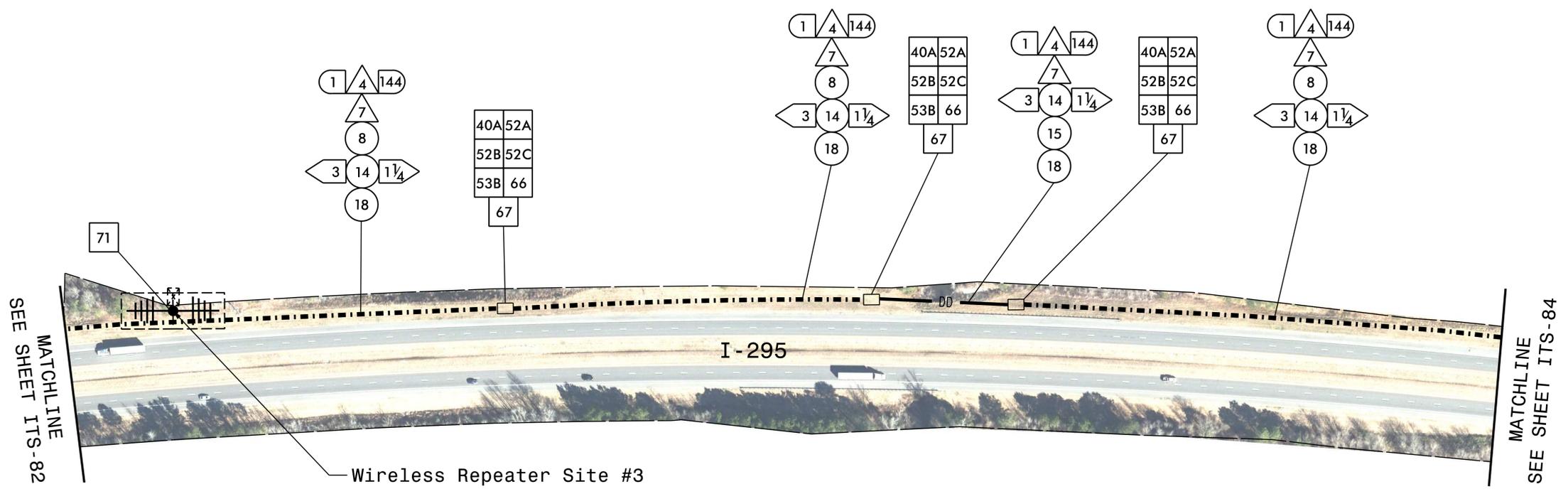


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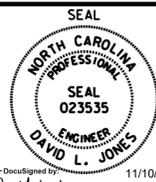
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	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
SCALE NONE	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023535 DAVID L. JONES 11/10/2025 CADD File name: U-2519F ITS-82.dgn



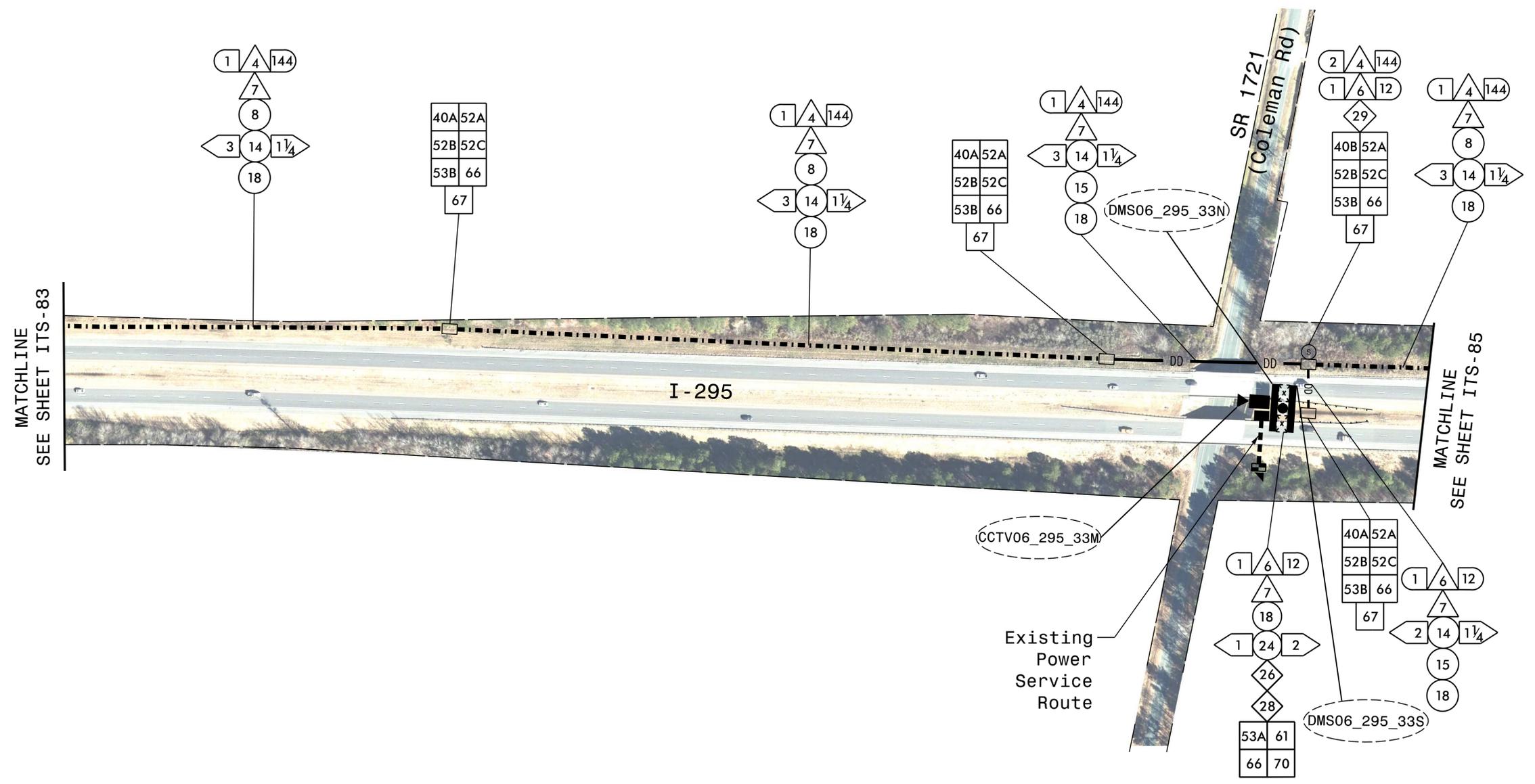
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b> Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
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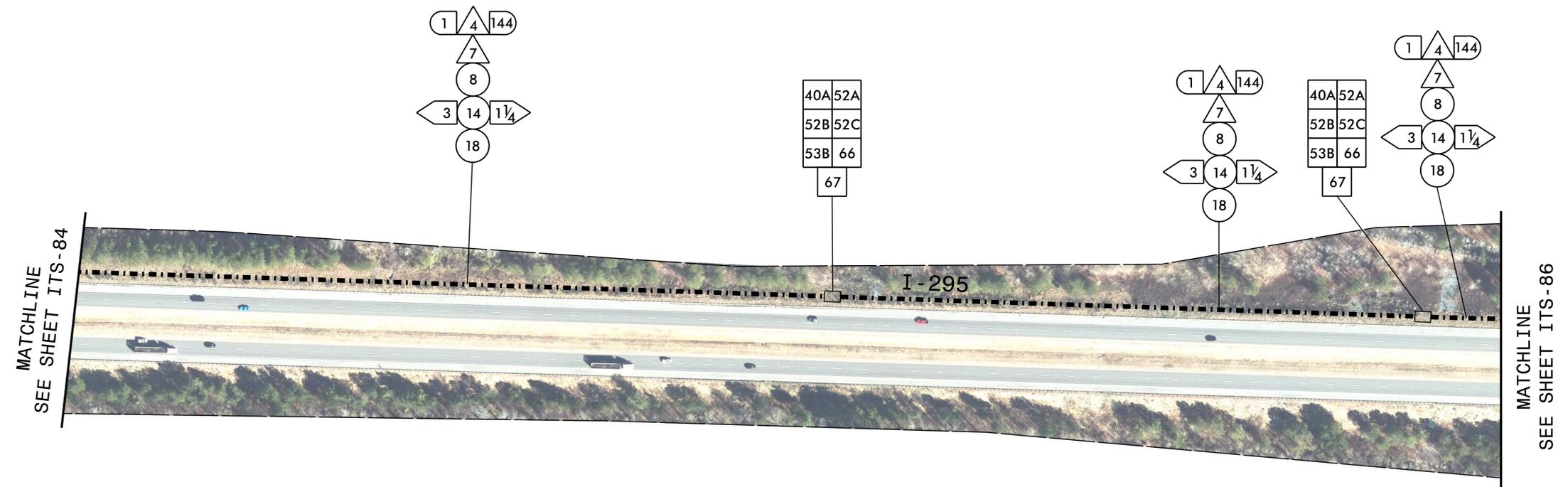
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<p>Plans Prepared for:</p>	<p><b>I-295</b>  <b>FAYETTEVILLE OUTER LOOP</b>  <b>COMMUNICATIONS CABLE AND CONDUIT</b>  <b>ROUTING PLANS</b></p>		<p>SEAL                  NORTH CAROLINA                  PROFESSIONAL ENGINEER                  SEAL                  023535                  DAVID L. JONES</p>												
	<p>Division 6 Cumberland County Fayetteville</p>	<p>PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons</p>		<p>PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones</p>											
<p>250 N. Greenfield Place, Garner, NC 27529</p>	<p>SCALE                  NONE</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION				<p>INITIALS DATE</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	INITIALS	DATE			
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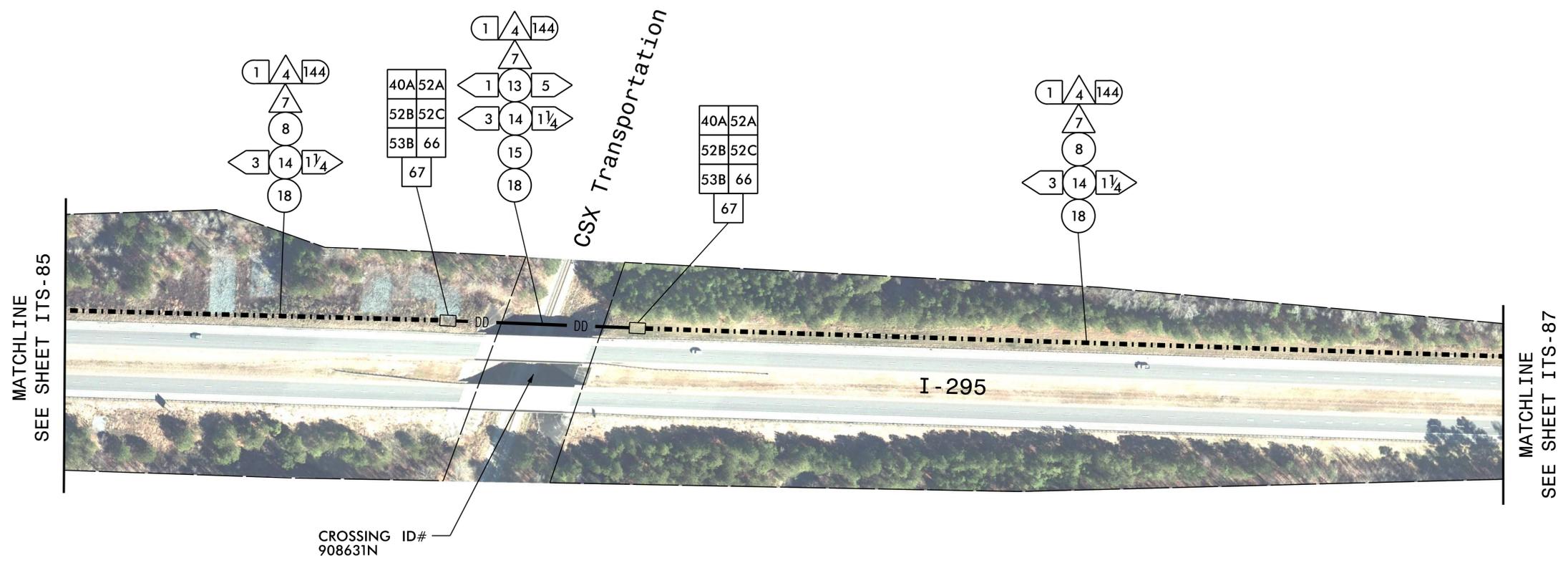


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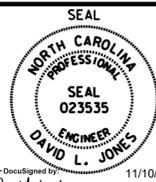
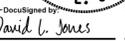
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	Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: N.R. Simmons REVIEWED BY: D.L. Jones	
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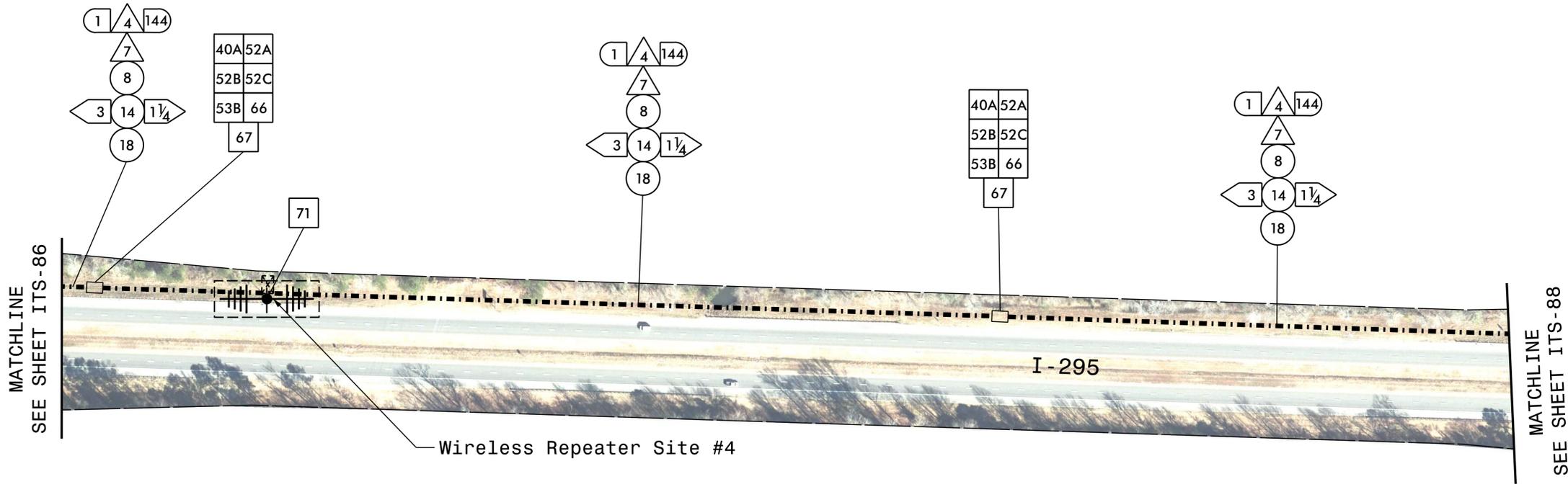


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Plans Prepared for:  I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b>		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED								
Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023535 DAVID L. JONES								
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REVISIONS	INIT.	DATE								
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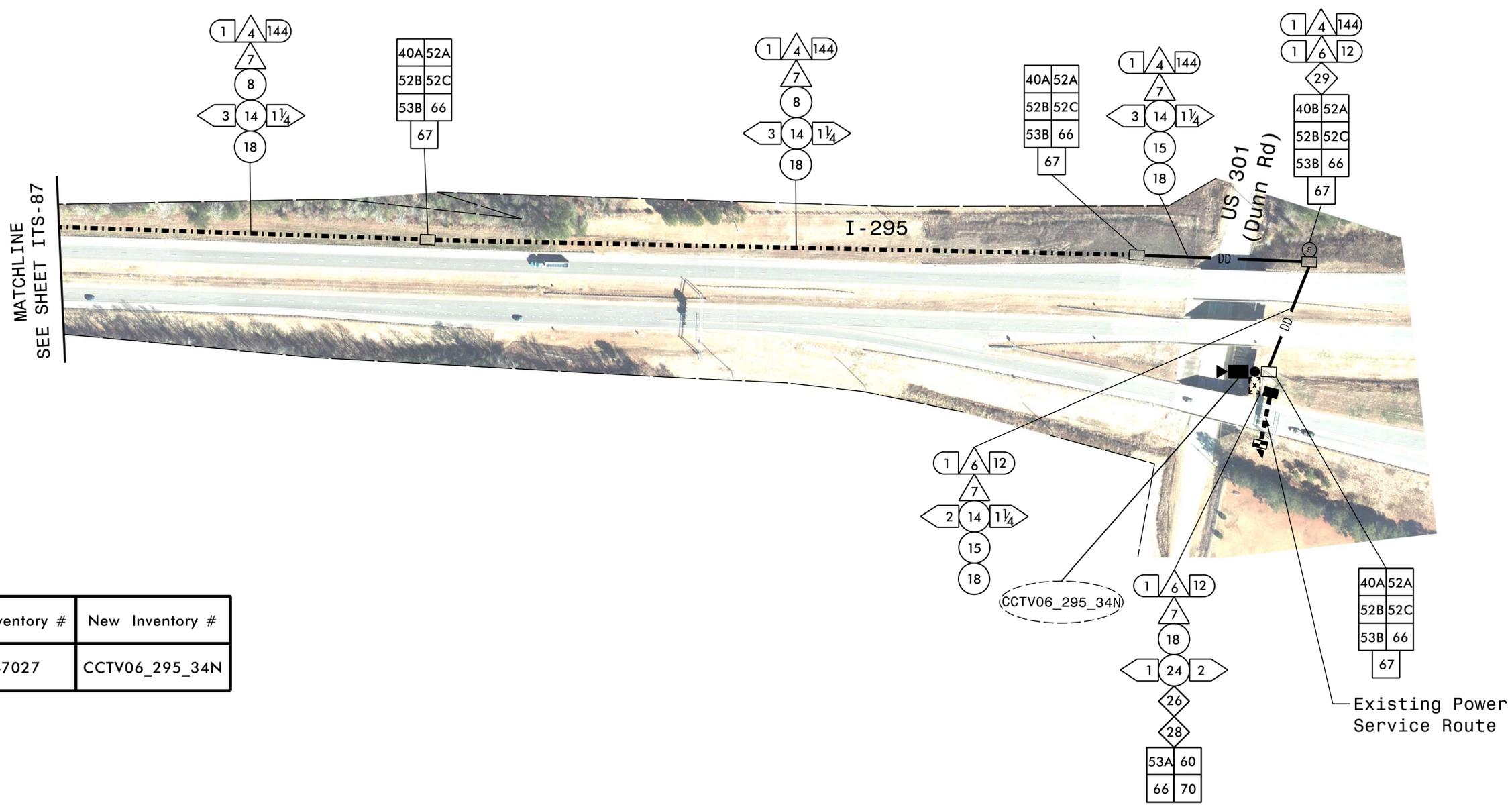


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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 <b>FAYETTEVILLE OUTER LOOP          COMMUNICATIONS CABLE AND CONDUIT          ROUTING PLANS</b> Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SCALE NONE	REVISIONS _____ INIT. DATE _____ _____	SEAL  David L. Jones 11/10/2025	SEAL  David L. Jones 11/10/2025	
CADD File Name: U-2519F ITS-87.dgn				



Old Inventory #	New Inventory #
06-7027	CCTV06_295_34N

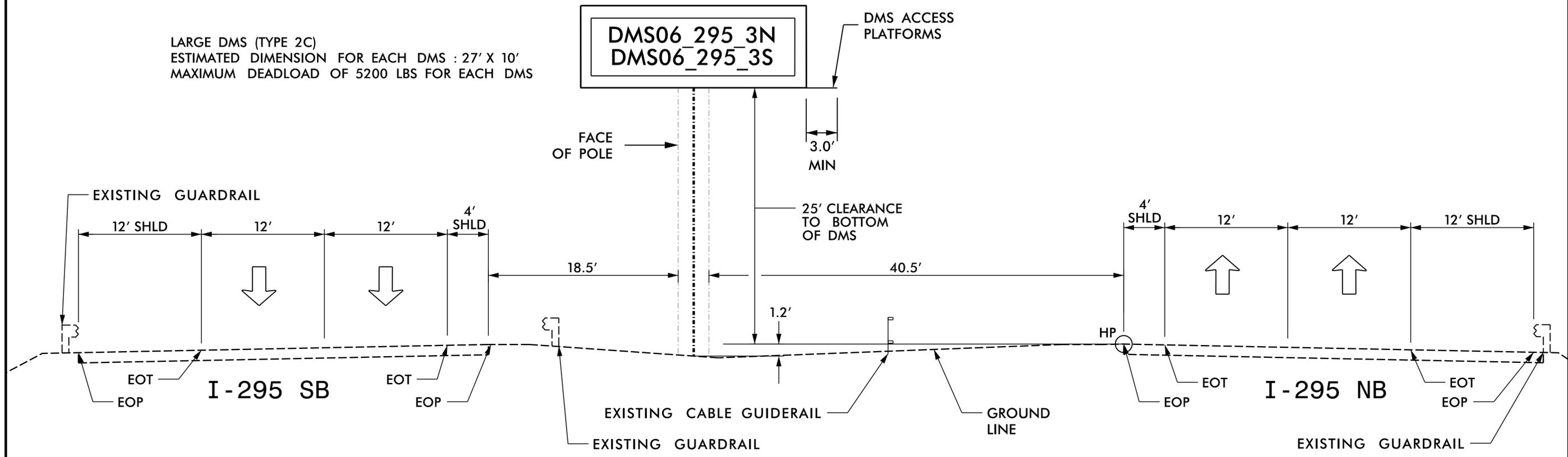
NOTES:

- INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND COMMUNICATIONS CABLE IN THE SAME JUNCTION BOX.

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 Suite 500  
 Raleigh, North Carolina 27609  
 NC License No: C-1554  
 (919) 546-8997

<p>Plans Prepared for:</p>  <p>250 N. Greenfield Place, Garner, NC 27529</p>	<p><b>I-295</b>  <b>FAYETTEVILLE OUTER LOOP</b>  <b>COMMUNICATIONS CABLE AND CONDUIT</b>  <b>ROUTING PLANS</b></p>		<p>SEAL</p>  <p>SEAL 023535 DAVID L. JONES ENGINEER</p>							
	<p>Division 6 Cumberland County Fayetteville</p> <p>PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons</p> <p>PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	INIT.	DATE			
NO.	DESCRIPTION	INIT.	DATE							

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



LARGE DMS (TYPE 2C)  
 ESTIMATED DIMENSION FOR EACH DMS : 27' X 10'  
 MAXIMUM DEADLOAD OF 5200 LBS FOR EACH DMS

DMS06\_295\_3N  
 DMS06\_295\_3S

DMS ACCESS PLATFORMS

FACE OF POLE

3.0'  
MIN

25' CLEARANCE TO BOTTOM OF DMS

18.5'

40.5'

1.2'

HP

EXISTING GUARDRAIL

12' SHLD

12'

12'

4' SHLD

EOT  
EOP

I - 295 SB

EOT  
EOP

EXISTING CABLE GUIDERAIL

GROUND LINE

4' SHLD

12'

12'

12' SHLD

EOT  
EOP

I - 295 NB

EOT  
EOP

EXISTING GUARDRAIL

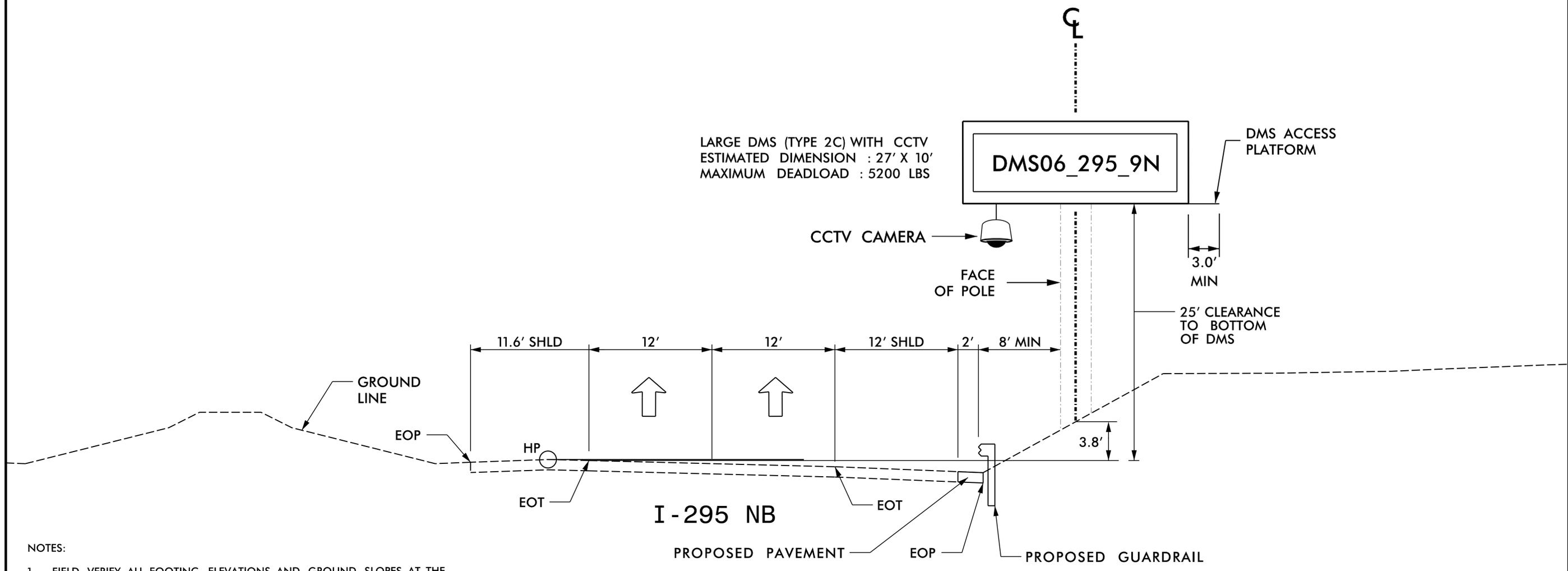
NOTES:

1. FIELD VERIFY ALL FOOTING ELEVATIONS AND GROUND SLOPES AT THE FOOTING USING THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR FURNISHING ELEVATION DRAWINGS FOR ENGINEER'S APPROVAL.
2. PROVIDE A FIXED LADDER LEADING TO THE ACCESS PLATFORM AS INDICATED IN THE PROJECT SPECIAL PROVISIONS.
3. EQUIP THE LADDER WITH A SECURITY COVER (LADDER GUARD) AND LOCK. START THE FIRST LADDER RUNG NO MORE THAN 18 INCHES ABOVE A CONCRETE LANDING PAD. DESIGN RUNGS ON 12 INCH CENTER-TO-CENTER TYPICAL SPACING.
4. INSTALL A LEVEL CONCRETE LANDING PAD MEASURING A MINIMUM 4 INCHES DEEP, 24 INCHES WIDE, AND 36 INCHES LONG DIRECTLY BENEATH THE LADDER.
5. USE ACTUAL DIMENSIONS AND WEIGHT OF THE DMS TO COMPLETE THE DESIGN OF THE DMS STRUCTURE.
6. ENSURE THAT THE TOP OF THE FOOTING EXTENDS AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
7. DESIGN AND CONSTRUCT THE PEDESTAL STRUCTURE AND DMS ENCLOSURE TO WITHSTAND WIND VELOCITIES OF 130 MPH.
8. VERIFY ALL UNDERGROUND UTILITY LOCATIONS BEFORE BEGINNING ANY UNDERGROUND WORK. DO NOT DAMAGE ANY EXISTING UTILITIES OR NCDOT CABLES DURING CONSTRUCTION.

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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 FAYETTEVILLE OUTER LOOP DMS06_295_3N ELEVATION		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023535 DAVID L. JONES	
Division 6 Cumberland County Fayetteville		PLAN DATE: January 2025 REVIEWED BY: N.R. Simmons		PREPARED BY: G.D. Berry REVIEWED BY: D.L. Jones	
SCALE NONE		REVISIONS INIT. DATE		DATE 11/10/2025	
CADD File name: U-2519F ITS-89.dgn					

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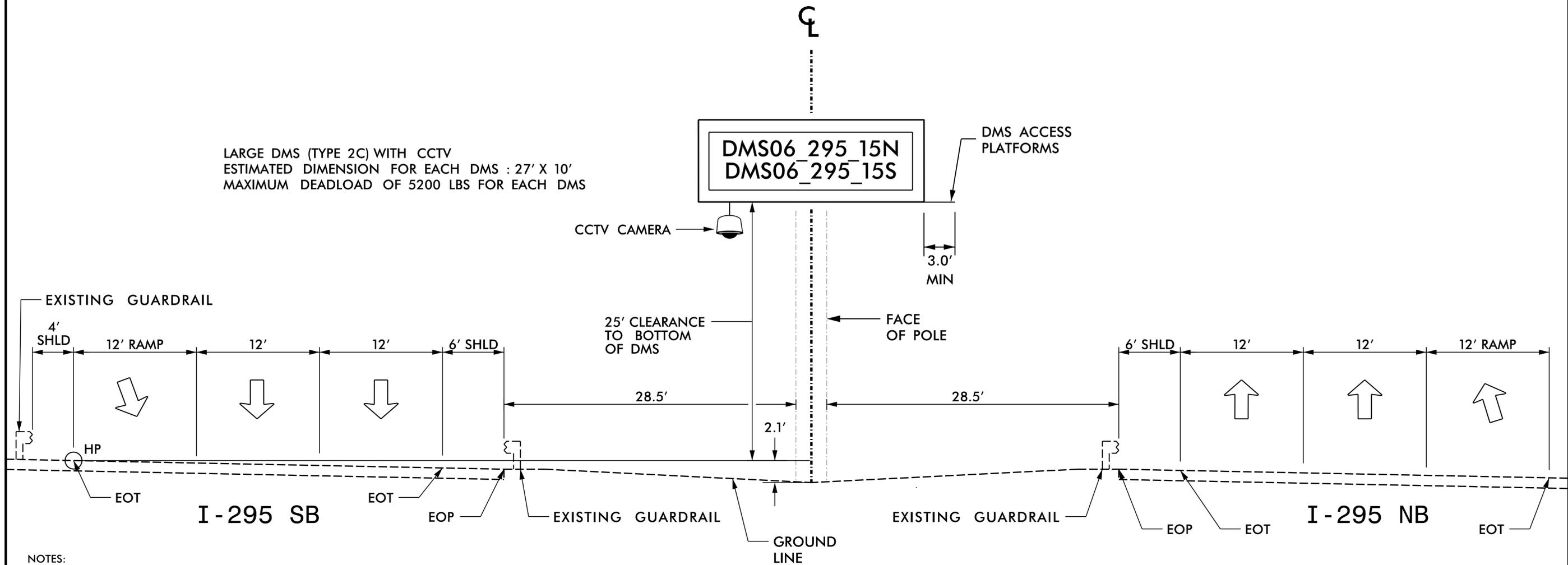


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9. DESIGN THE STRUCTURE TO ACCOMMODATE THE INSTALLATION OF THE DMS WITH A CCTV CAMERA EXTENSION POLE AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.

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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 FAYETTEVILLE OUTER LOOP DMS06_295_9N ELEVATION		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Division 6 Cumberland County Fayetteville		SEAL  ENGINEER DAVID L. JONES		11/10/2025	
PLAN DATE: January 2025		REVIEWED BY: N.R. Simmons		DocuSigned by: David L. Jones	
PREPARED BY: G.D. Berry		REVIEWED BY: D.L. Jones		D:\36459402\2024\F0... SIGNATURE DATE	
SCALE NONE		REVISIONS INIT. DATE		CADD File name: U-2519F ITS-90.dgn	

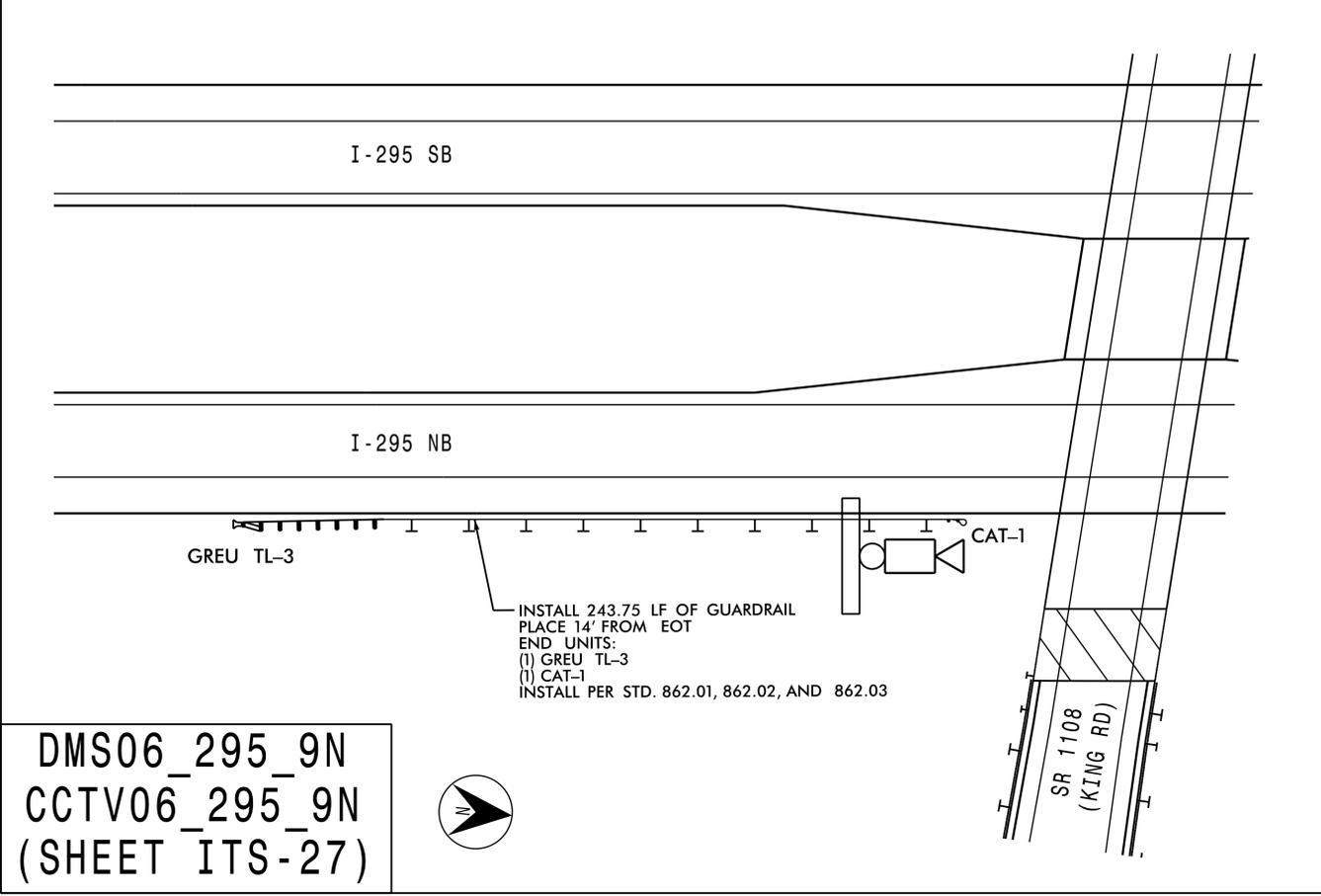


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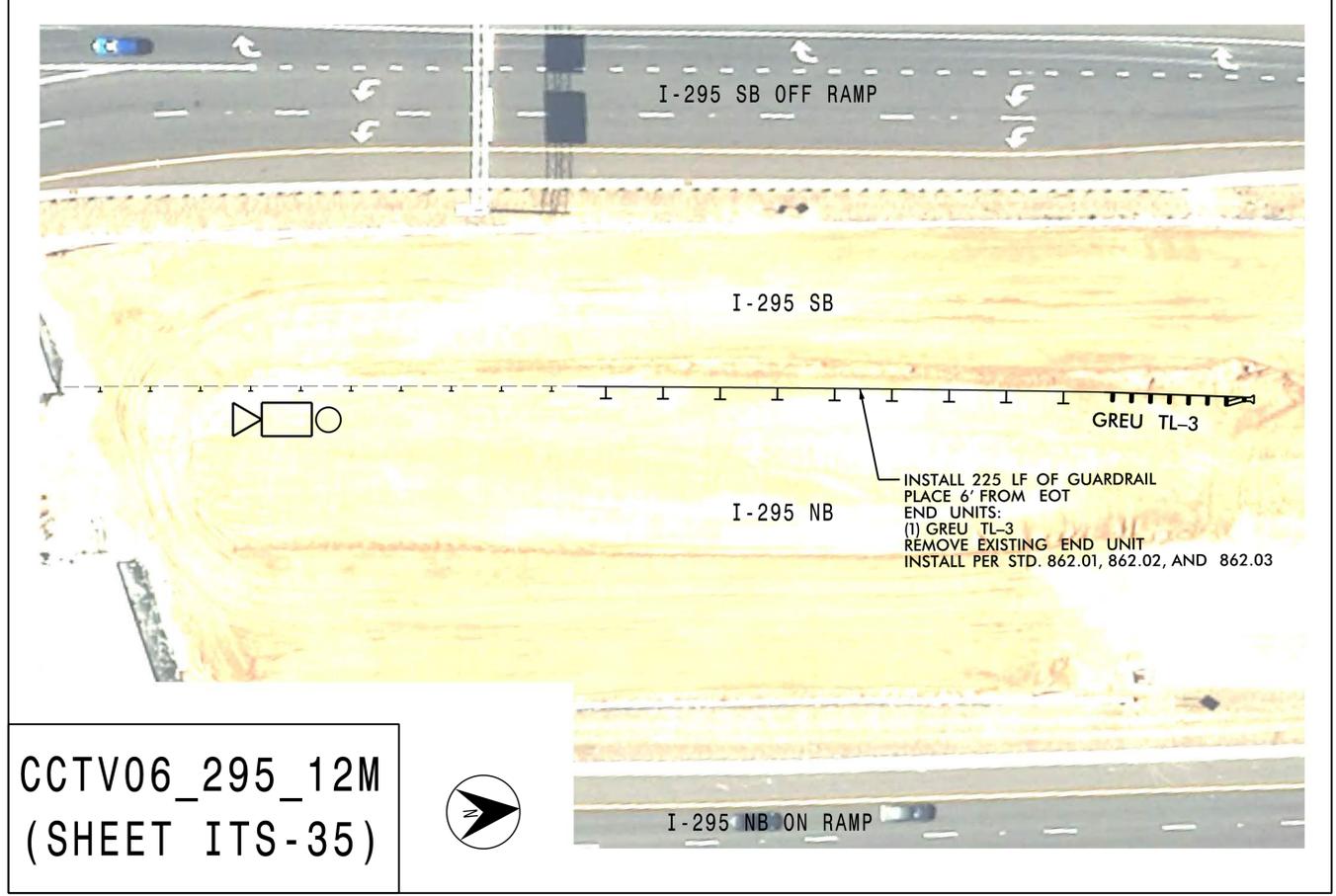
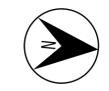
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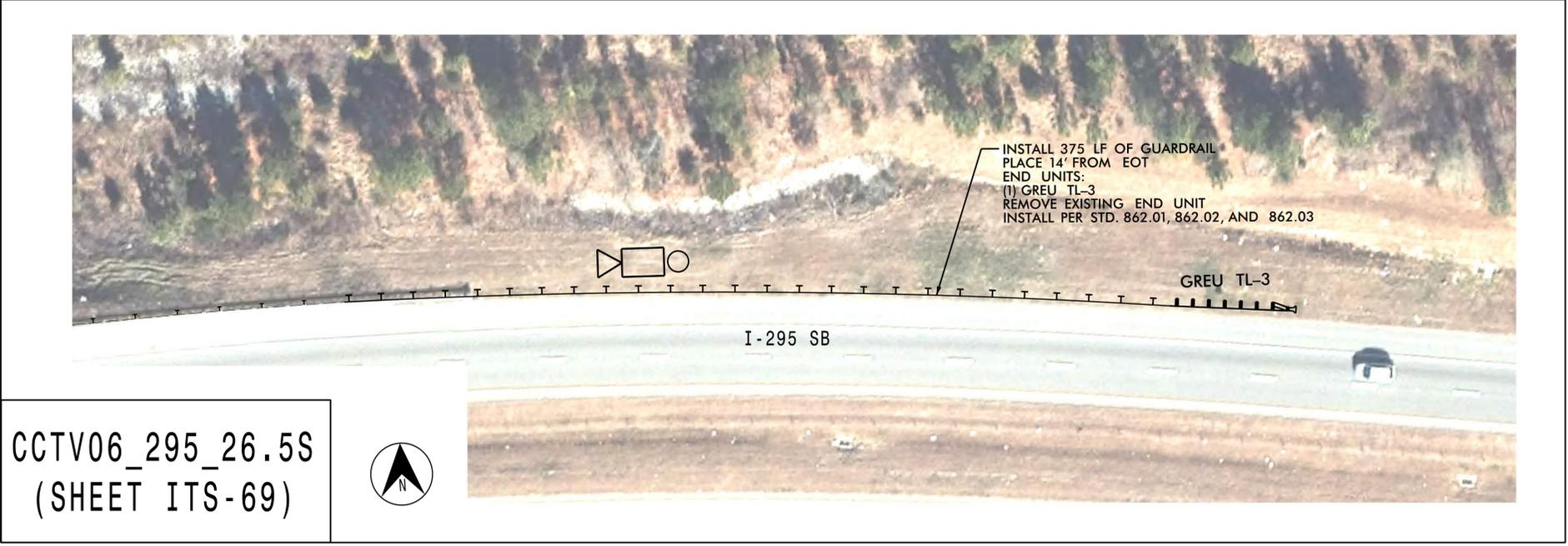
Plans Prepared for: 		I-295 FAYETTEVILLE OUTER LOOP DMS06_295_15N ELEVATION		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Division 6 Cumberland County Fayetteville		SEAL 		SEAL 	
PLAN DATE: January 2025	REVIEWED BY: N.R. Simmons	PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones	DocuSigned by: David L. Jones 11/10/2025	DATE
SCALE NONE	REVISIONS	INIT.	DATE	SIGNATURE	DATE
CADD File name: U-2519F ITS-91.dgn					



DMS06\_295\_9N  
CCTV06\_295\_9N  
(SHEET ITS-27)



CCTV06\_295\_12M  
(SHEET ITS-35)

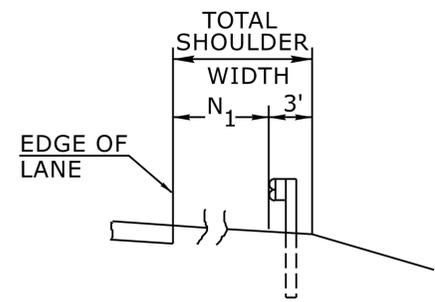


CCTV06\_295\_26.5S  
(SHEET ITS-69)

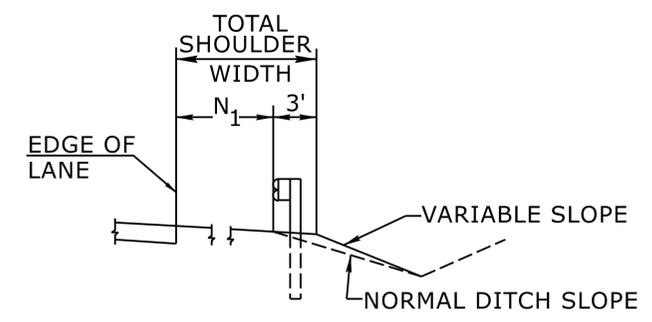


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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529		I-295 FAYETTEVILLE OUTER LOOP GUARDRAIL DETAILS Division 6 Cumberland County Fayetteville PLAN DATE: January 2025 REVIEWED BY: J.L. Eason PREPARED BY: J.A. Wagner REVIEWED BY: D.L. Jones		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
SCALE NONE		REVISIONS INIT. DATE		SEAL  JAMES L. EASON 11/10/2025	
				Signed by: <i>James L. Eason</i> DREAMS@FAYETTEVILLE.COM SIGNATURE DATE CADD File Name: U-2519F ITS-92.dgn	

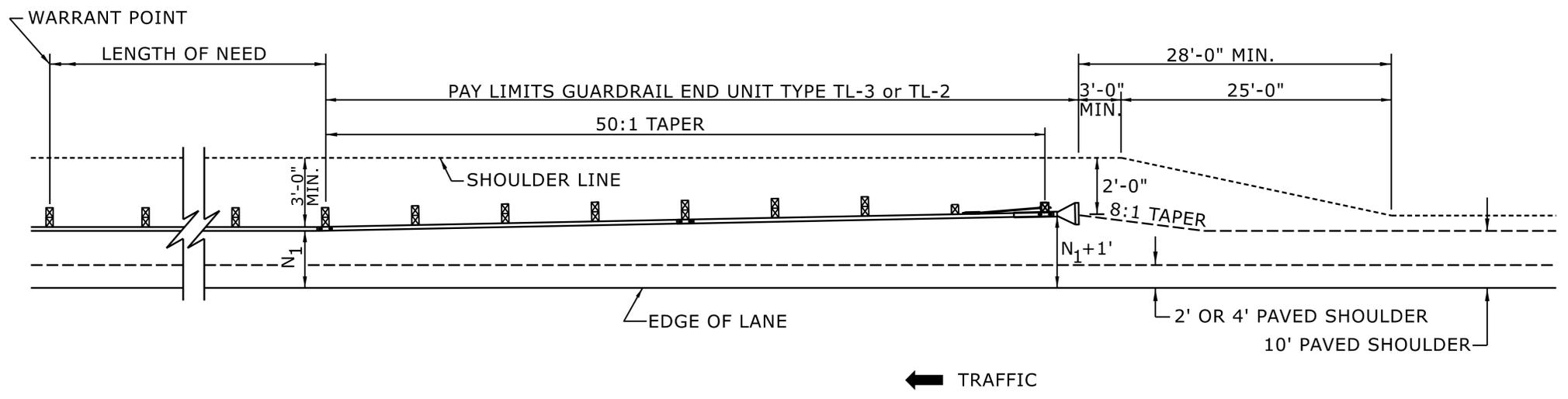


**FILL SECTION**



**CUT SECTION**

"N<sub>1</sub>" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3  
FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

**DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION**

STATE OF  
NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL PLACEMENT**



SHEET 6 OF 15  
**862D01**

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**CONTRACTS STANDARDS  
AND DEVELOPMENT UNIT**  
Office 919-707-6950 FAX 919-250-4119

**SEE TITLE BLOCK**

ORIGINAL BY: S.CALHOUN	DATE: 7-25-2024
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	



**CCTV06\_295\_2S**  
**CCTV ON I-295 SB**  
**NEAR SR 1717**  
**(LEEPER RD)**

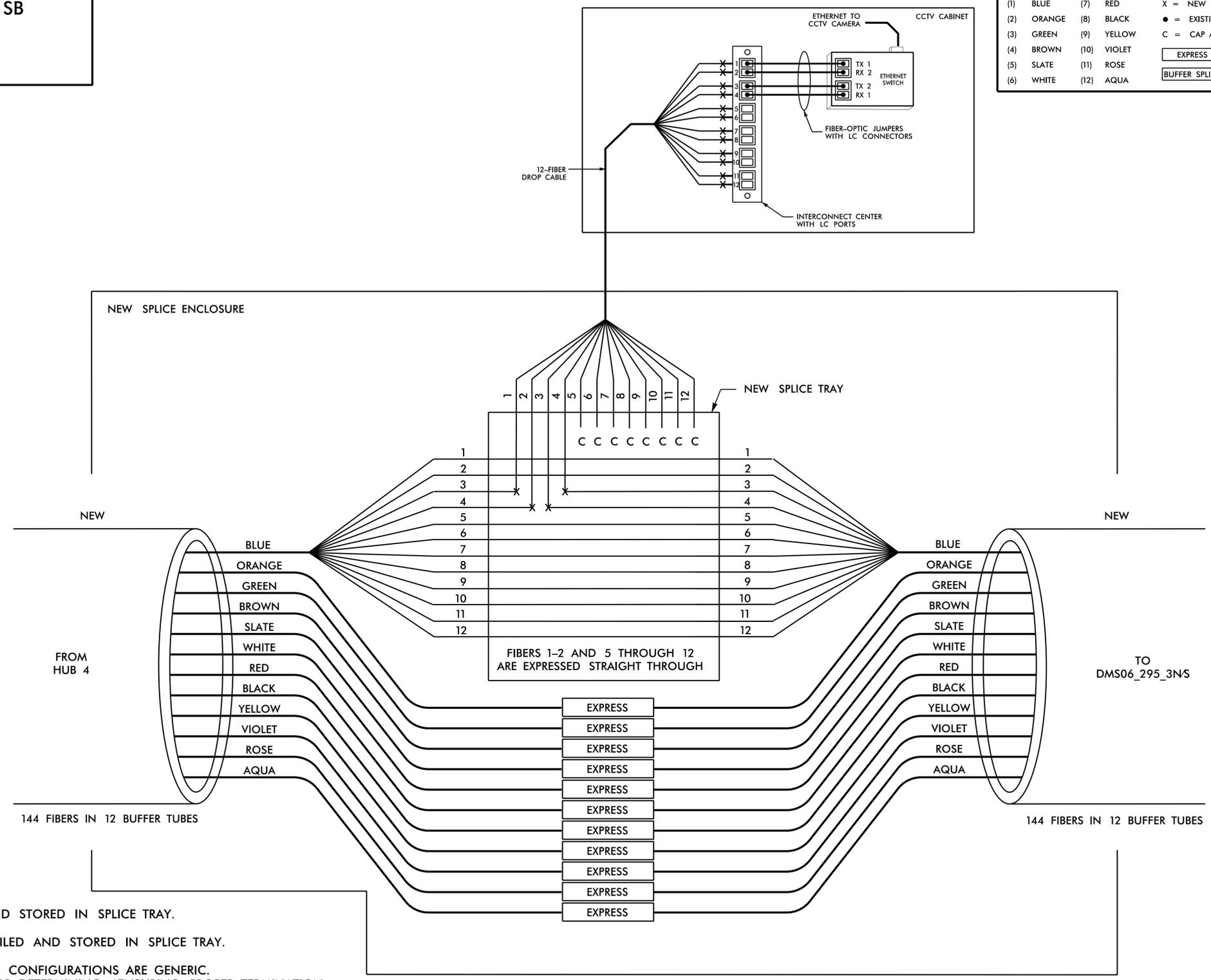
**COLOR CODE**  
TIA/EIA 598-C

(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 = NEW FUSION SPLICE INDIVIDUAL FIBER  
 ● = EXISTING FUSION SPLICE  
 C = CAP AND SEAL

EXPRESS = EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING  
 BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR



**NOTES:**

1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

- (1) SPLICE
- (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.

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Plans Prepared for:

I-295  
 FAYETTEVILLE OUTER LOOP  
 COMMUNICATIONS CABLE  
 SPLICE DETAILS

Division 06 Robeson Co. Fayetteville

PLAN DATE: January 2025 REVIEWED BY: D.L. Jones

PREPARED BY: G.D. Berry REVIEWED BY: N.R. Simmons

SCALE: NONE

REVISIONS: \_\_\_\_\_

INIT. DATE

SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 023535  
 ENGINEER  
 DAVID L. JONES

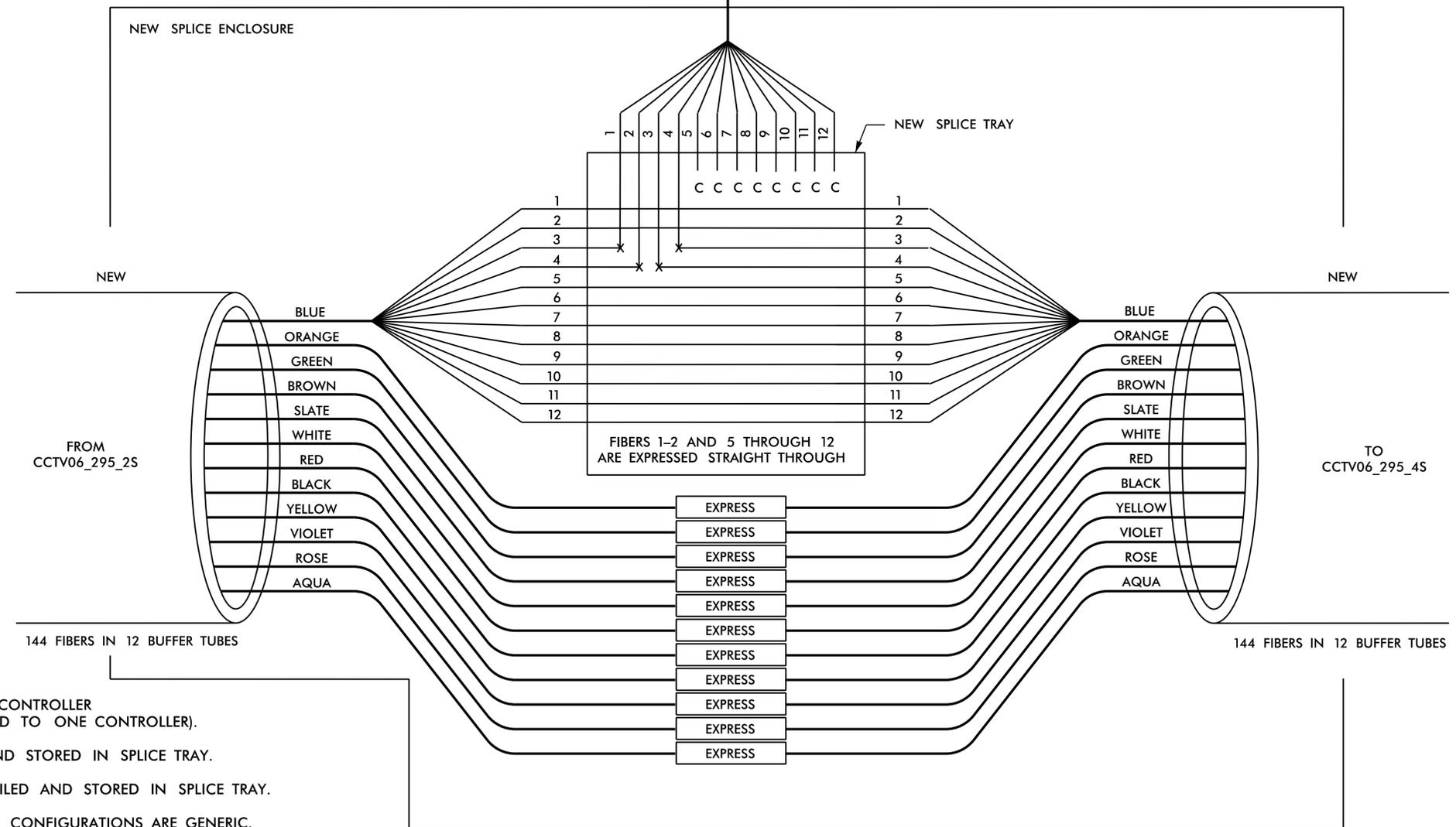
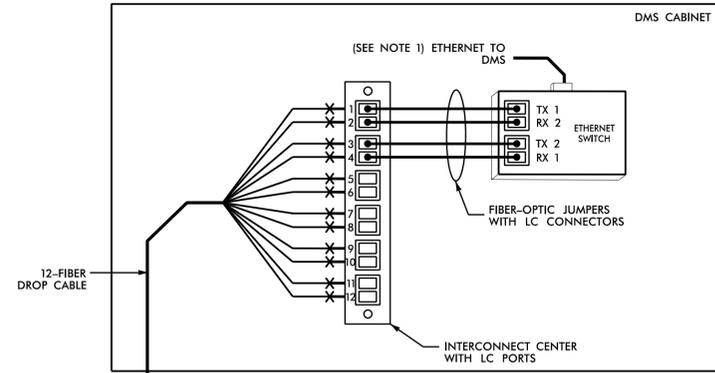
DocuSigned by:  
 David L. Jones  
 11/10/2025

CADD File name: U-2519F ITS-94.dgn

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DMS06\_295\_3N/S  
DMS ON I-295  
NEAR SR 1716  
(BRISSON RD)

COLOR CODE TIA/EIA 598-C		LEGEND	
(1) BLUE	(7) RED	X = NEW FUSION SPLICE INDIVIDUAL FIBER	
(2) ORANGE	(8) BLACK	● = EXISTING FUSION SPLICE	
(3) GREEN	(9) YELLOW	C = CAP AND SEAL	
(4) BROWN	(10) VIOLET	EXPRESS = EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING	
(5) SLATE	(11) ROSE	BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR	
(6) WHITE	(12) AQUA		



NOTES:

- ONLY ONE ETHERNET TO DMS CONTROLLER (BOTH DMS BOARDS CONNECTED TO ONE CONTROLLER).
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
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- (1) SPLICE
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	I-295		SEAL  ENGINEER DAVID L. JONES
	FAYETTEVILLE OUTER LOOP COMMUNICATIONS CABLE SPLICE DETAILS		
SCALE NONE	Division 06 Cumberland Co. Fayetteville	PLAN DATE: January 2025 PREPARED BY: G.D. Berry	REVIEWED BY: D.L. Jones REVIEWED BY: N.R. Simmons
		REVISIONS _____	INIT. DATE _____
		SIGNATURE _____	DATE 11/10/2025

CADD File name: U-2519F ITS-95.dgn

