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**This file or an individual page
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- 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 INSTALL CAT5e 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 HEAT-SHRINK TUBING
- 13 INSTALL HEAT-SHRINK TUBING RETROFIT KIT
- 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 ENTRANCE
- 22 INSTALL NEW CONDUIT INTO NEW CABINET BASE (USE EXISTING CONDUIT STUBOUTS WHEN AVAILABLE)
- 23 INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUBOUTS WHEN AVAILABLE)
- 24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET
- 25 INSTALL NEW RISER INTO POLE MOUNTED CABINET
- 26 TERMINATE FIBER-OPTIC CABLE ON INTERCONNECT CENTER IN CCTV EQUIPMENT CABINET
- 27 INSTALL NEW ETHERNET EDGE SWITCH IN CABINET
- 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPlice CABLE IN CABINET
- 29 INSTALL UNDERGROUND SPlice ENCLOSURE
- 30 INSTALL AERIAL SPlice ENCLOSURE
- 31 INSTALL SPlice CABINET
- 32 MODIFY EXISTING SPlice ENCLOSURE
- 33 REMOVE EXISTING SPlice CABINET
- 34 INSTALL CABINET FOUNDATION
- 35 REMOVE EXISTING CABINET FOUNDATION
- 36 INSTALL CCTV CAMERA ASSEMBLY

- 37 INSTALL CCTV CAMERA WOOD POLE
- 38 INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 39 INSTALL STANDARD (ELECTRICAL) JUNCTION BOX
- 40 INSTALL OVERSIZED JUNCTION BOX
- 41 INSTALL SPECIAL OVERSIZED JUNCTION BOX
- 42 INSTALL WOOD POLE
- 43 REMOVE EXISTING WOOD POLE
- 44 INSTALL AERIAL GUY ASSEMBLY
- 45 INSTALL STANDARD GUY ASSEMBLY
- 46 INSTALL SIDEWALK GUY ASSEMBLY
- 47 INSTALL MESSENGER CABLE
- 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
- 49 REMOVE EXISTING COMMUNICATIONS CABLE
- 50 INSTALL CELL MODEM
- 51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
- 52 INSTALL DELINEATOR MARKER
- 53 STORE 30 FEET OF COMMUNICATIONS CABLE (EACH CABLE), EXCEPT AS NOTED ON PLANS
- 54 LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 55 LASH CABLE(S) TO EXISTING SIGNAL /COMMUNICATION CABLE
- 56 LASH CABLES TO NEW MESSENGER CABLE
- 57 MODIFY EXISTING ELECTRICAL SERVICE
- 58 INSTALL NEW ELECTRICAL SERVICE
- 59 BOND TRACER WIRE TO EQUIPMENT GROUND BUS ON ONE END
- 60 BOND MESSENGER TO POLE GROUND
- 61 BOND RISER TO POLE GROUND
- 62 INSTALL DMS ASSEMBLY
- 63 INSTALL POLE MOUNTED CCTV CABINET
- 64 INSTALL NEW EQUIPMENT CABINET DISCONNECT
- 65 INSTALL JUNCTION BOX MARKERS
- 66 INTERCEPT EXISTING JUNCTION BOX
- 67 INSTALL CCTV CAMERA EXTENSION POLE
- 68 INSTALL 6X6 WOOD PEDESTAL
- 69 INSTALL 2070E CONTROLLER

LEGEND

- NEW FIBER OPTIC COMMUNICATIONS CABLE
- EXISTING COMMUNICATIONS CABLE
- EXISTING COMMUNICATIONS CABLE TO BE REMOVED
- NEW CONDUIT
- EXISTING CONDUIT
- NEW DIRECTIONAL DRILLED CONDUIT
- NEW GUARDRAIL
- NEW CHAIN LINK FENCE
- EXISTING METAL POLE WITH MASTARM
- NEW METAL POLE WITH MASTARM
- EXISTING RIGHT OF WAY
- NEW JUNCTION BOX
- EXISTING JUNCTION BOX
- NEW OVERSIZED HEAVY DUTY JUNCTION BOX WITH SPlice ENCLOSURE
- EXISTING OVERSIZED HEAVY DUTY JUNCTION BOX WITH NEW SPlice ENCLOSURE
- NEW SPECIAL OVERSIZED JUNCTION BOX WITH SPlice ENCLOSURE
- EXISTING SPECIAL OVERSIZED JUNCTION BOX WITH NEW SPlice ENCLOSURE
- EXISTING SPECIAL OVERSIZED JUNCTION BOX WITHOUT SPlice ENCLOSURE
- SNOW SHOE
- NEW WOOD POLE
- EXISTING WOOD POLE
- NEW SPlice ENCLOSURE
- EXISTING SPlice ENCLOSURE
- NEW METAL POLE
- EXISTING METAL POLE
- NEW DMS
- EXISTING DMS
- NEW CCTV CAMERA ASSEMBLY
- EXISTING CCTV CAMERA ASSEMBLY
- NEW STANDARD GUY ASSEMBLY
- EXISTING STANDARD GUY ASSEMBLY
- NEW SIGNAL CABINET
- EXISTING SIGNAL CABINET
- NEW MASTER SIGNAL CABINET
- EXISTING MASTER SIGNAL CABINET
- NEW YAGI ANTENNA (SINGLE)
- NEW ELECTRICAL SERVICE
- EXISTING ELECTRICAL SERVICE
- SIGNAL POLE
- CCTV/DMS NUMBER
- SIGNAL INVENTORY NUMBER

ATTACHMENT POINT:

- DISTANCE ABOVE INCHES REFERENCE POINT
- REFERENCE POINT DISTANCE BELOW INCHES

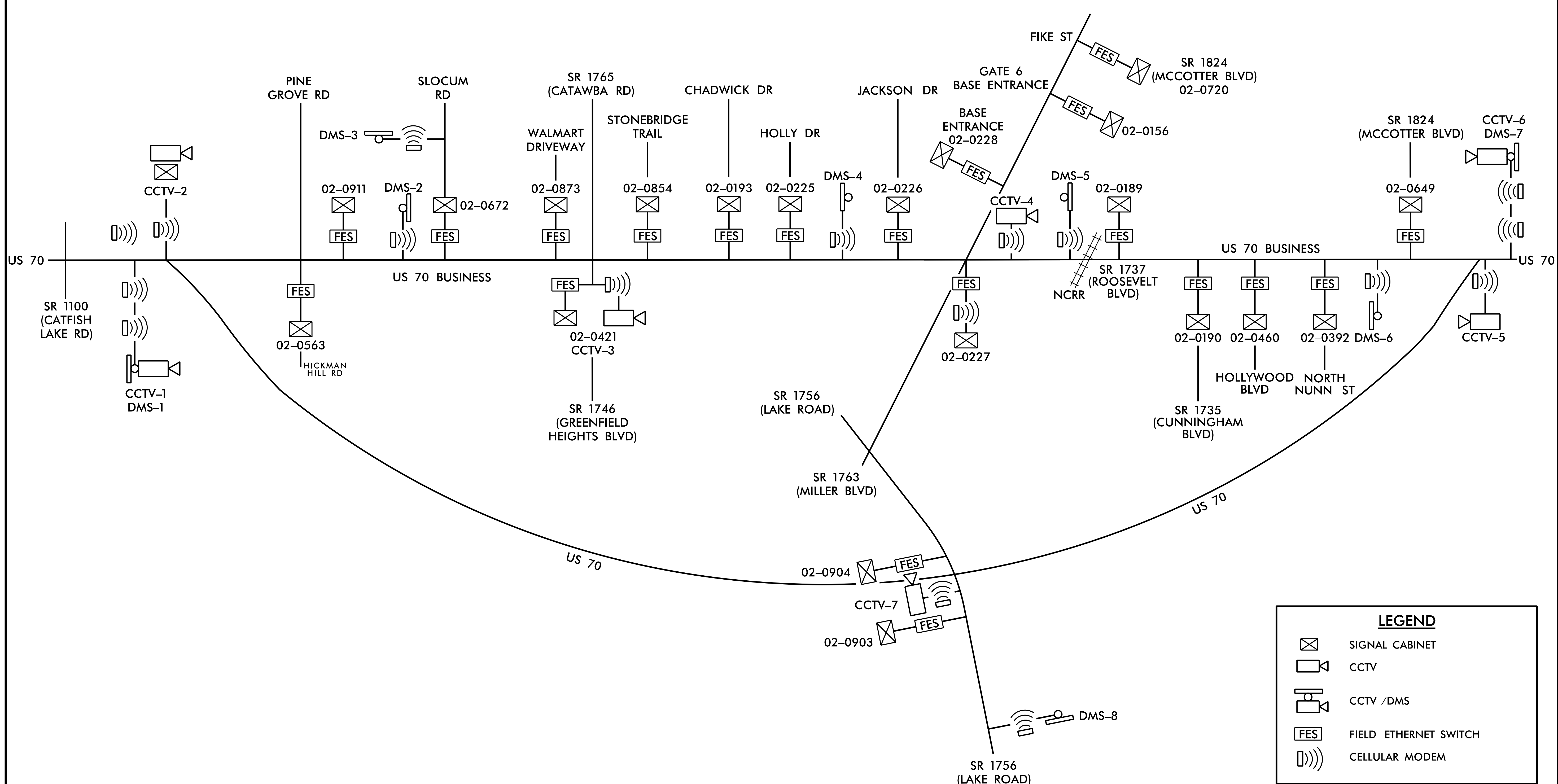
CONSTRUCTION NOTE SYMBOLOGY KEY

- NUMBER OF CABLE(S), LOOPS, ETC. NUMBER OF FIBERS / TWISTED PAIRS PER CABLE, ETC.
- NUMBER OF RISER(S) / CONDUIT(S) DIAMETER OF RISER(S) / CONDUIT(S) (INCH)
- NUMBER OF DEVICES NUMBER OF FIBERS
- NUMBER OF CABLES REMOVE OR MODIFY CABLE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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	US 70 HAVELOCK BYPASS CONSTRUCTION NOTES AND LEGEND		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell	
SCALE NONE	REVISIONS	INIT. DATE	Documented by: Natasha R. Simmons 12/7/2018 SIGNATURE DATE CADD Filename: R1015 scp 01.dgn



LEGEND

- SIGNAL CABINET
- CCTV
- CCTV / DMS
- FIELD ETHERNET SWITCH
- CELLULAR MODEM

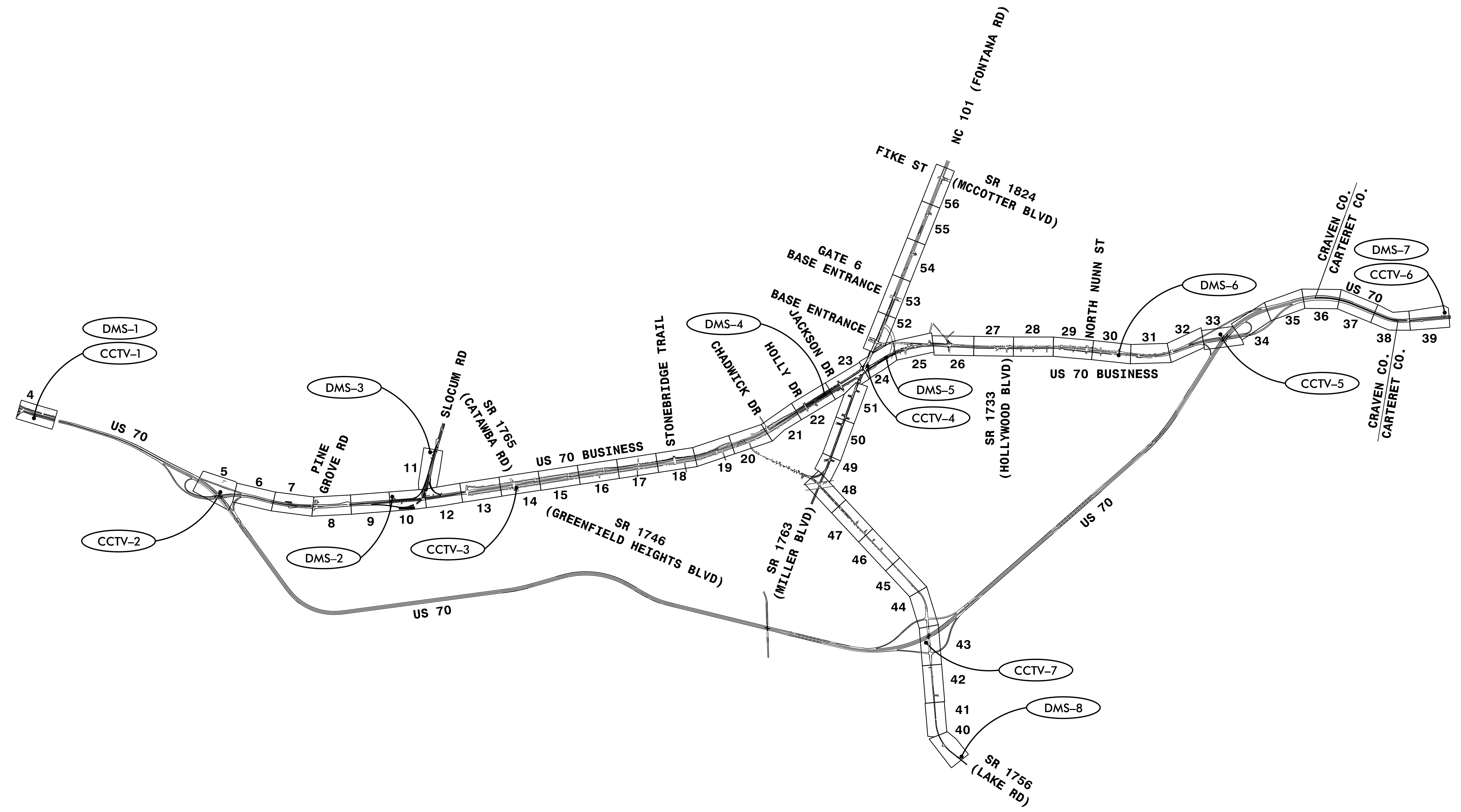
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:


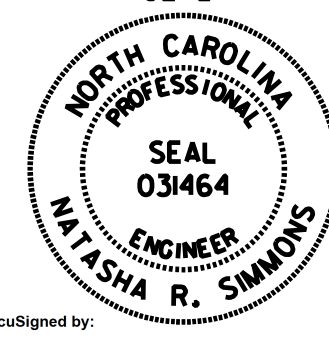
1. THIS BLOCK DIAGRAM IS APPROXIMATE REPRESENTATION OF CONNECTIONS. SEE SPLICE DIAGRAMS SHEETS FOR DETAILED CONNECTIONS.
2. CONTACT NCDOT FOR NETWORK CONFIGURATION WHICH IS BUT NOT LIMITED TO IP ADDRESS, VLAN NUMBER, ACL AND PORT CONFIGURATION.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH NCDOT PERSONNEL TO OBTAIN ALL RELEVANT NETWORK INFORMATION BEFORE TESTING.
4. ALL SWITCHES SHALL BE CONFIGURED PER NCDOT SECURITY REQUIREMENTS.

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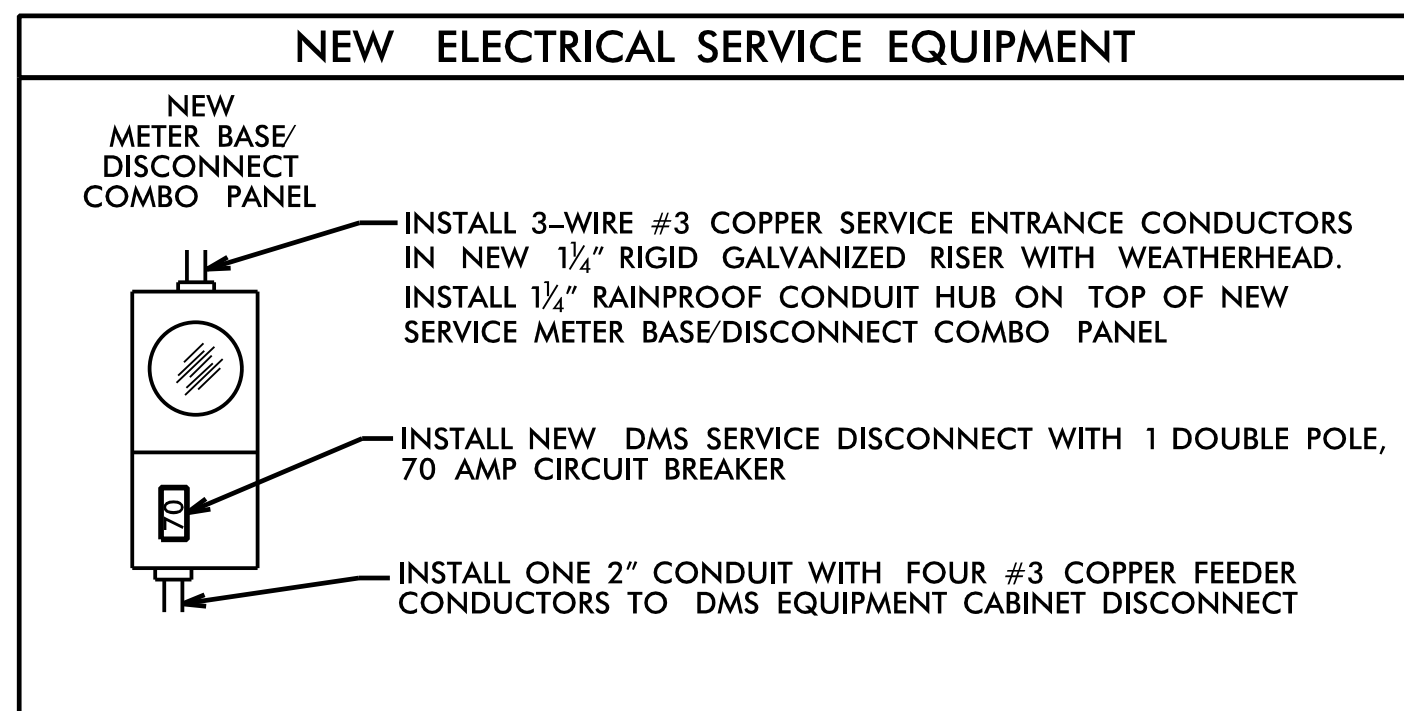
 <small>250 N. Greenfield Place, Garner, NC 27529</small>	US 70 HAVELOCK BYPASS NETWORK BLOCK DIAGRAM		 <small>DocuSigned by: Natasha R. Simmons 12/7/2018</small>					
	<small>Division 02 Craven Co. Havelock</small> <small>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</small> <small>PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons</small>	<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		
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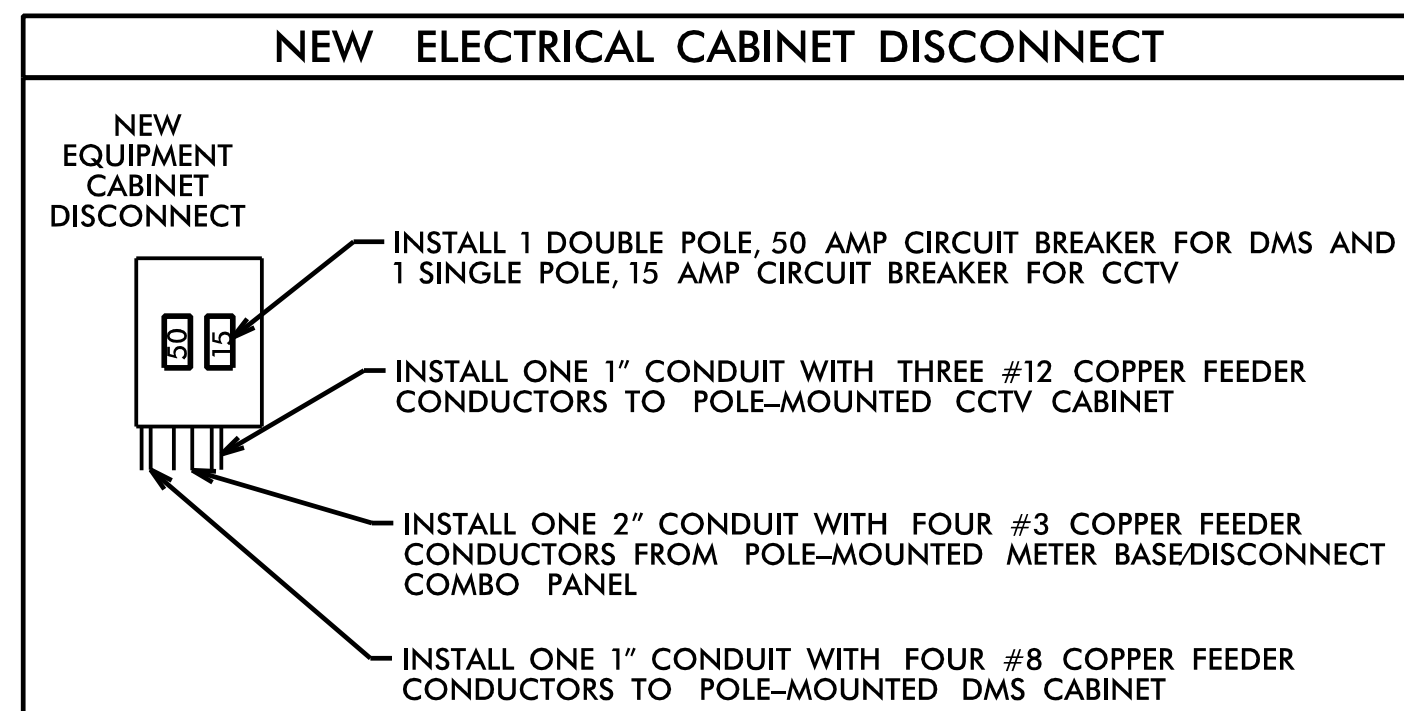
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS KEY SHEET		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031464 NATASHA R. SIMMONS
	Division 02 PLAN DATE: August 2018 PREPARED BY: N.K. Vlanich	Craven Co. Havelock REVIEWED BY: T.R. Terrell REVIEWED BY: N.R. Simmons	
SCALE NONE	REVISIONS INIT. DATE	SIGNATURE DATE	DocuSigned by: Natasha R. Simmons 12/7/2018 CADD File name: R1015_scp_03.dgn

DRAWING 1



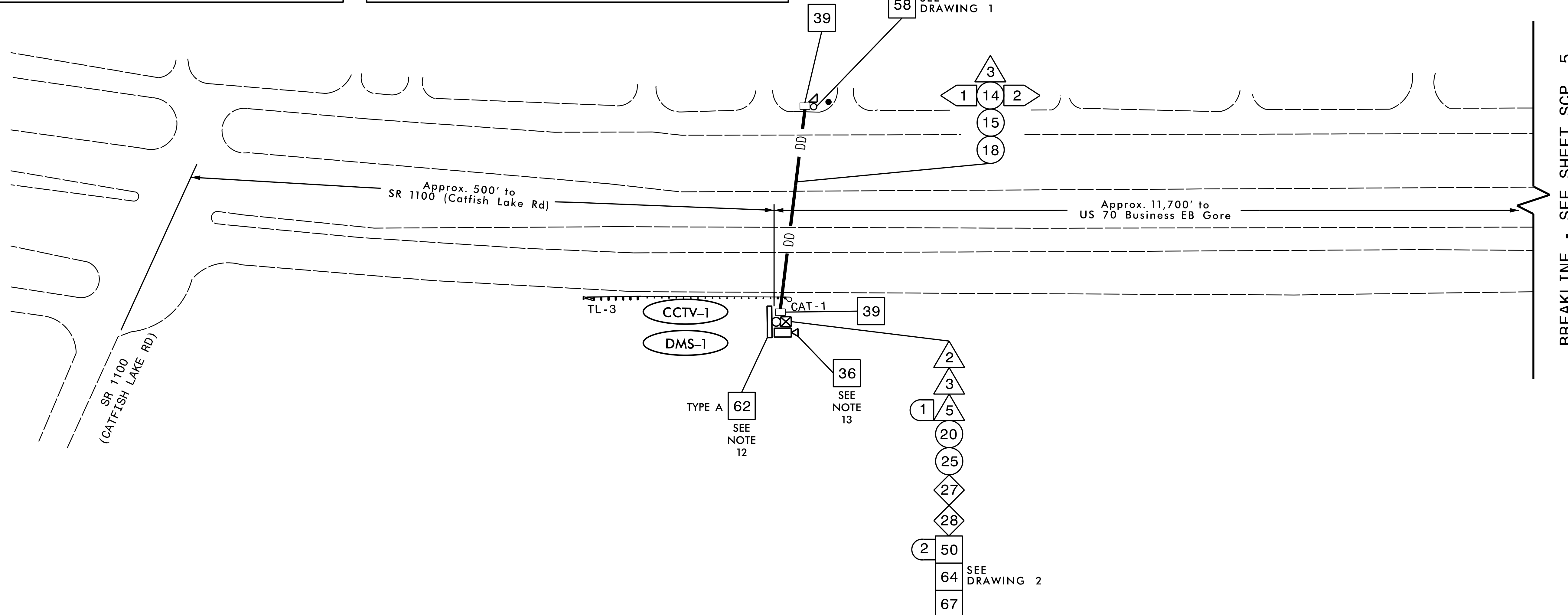
DRAWING 2



CCTV-1 /DMS-1 GPS COORDINATES

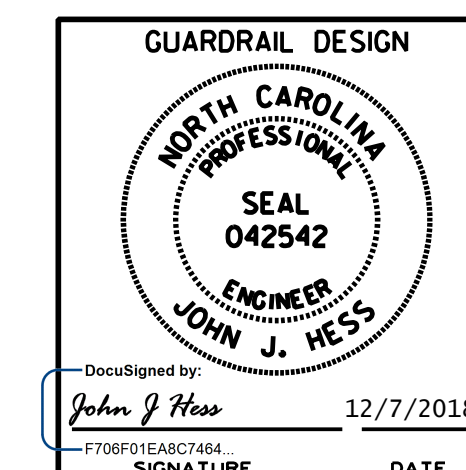
N 34° 58.065'
W 76° 58.020'

ELECTRICAL SERVICE LOCATION TO BE DETERMINED BY DUKE ENERGY IN FIELD.



NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX/CABINET ENTRANCES.
3. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SENIOR SIGNAL SYSTEM OPERATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
4. CONTACT DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO CONFIRM THE LOCATION OF THE CCTV CAMERAS OR DMS.
5. DO NOT INSTALL CCTV POLE ANY CLOSER THAN SIX (6) FEET FROM THE FACE OF GUARDRAIL.
6. MOUNT THE CCTV CAMERA 5 FEET BELOW THE TOP OF THE POLE.
7. DO NOT INSTALL CONDUIT OR JUNCTION BOXES UNTIL THE LOCATION OF THE CCTV CAMERA OR DMS HAS BEEN CONFIRMED BY THE DIVISION 2 TRAFFIC ENGINEER.
8. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND FIBER-OPTIC CABLE IN THE SAME JUNCTION BOX.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MAXIMUM 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 MAXIMUM FAULT CURRENT ON THE STICKER.
10. AT THE DIRECTION OF THE ENGINEER, PERFORM GRADING AS NEEDED WHERE GUARDRAIL, POLE INSTALLATION AND DMS CONSTRUCTION WORK HAS BEEN PERFORMED.
11. NCDOT DIVISION 2 WILL FURNISH AND INSTALL THE CCTV AND DMS CELL MODEM. CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 SIX (6) WEEKS PRIOR TO BEGINNING WORK.
12. INSTALL A NEW DMS WALKWAY, LADDER, AND POLE-MOUNTED CABINET ON THE NEW DMS STRUCTURE.
13. INSTALL CCTV ON CCTV EXTENSION POLE.



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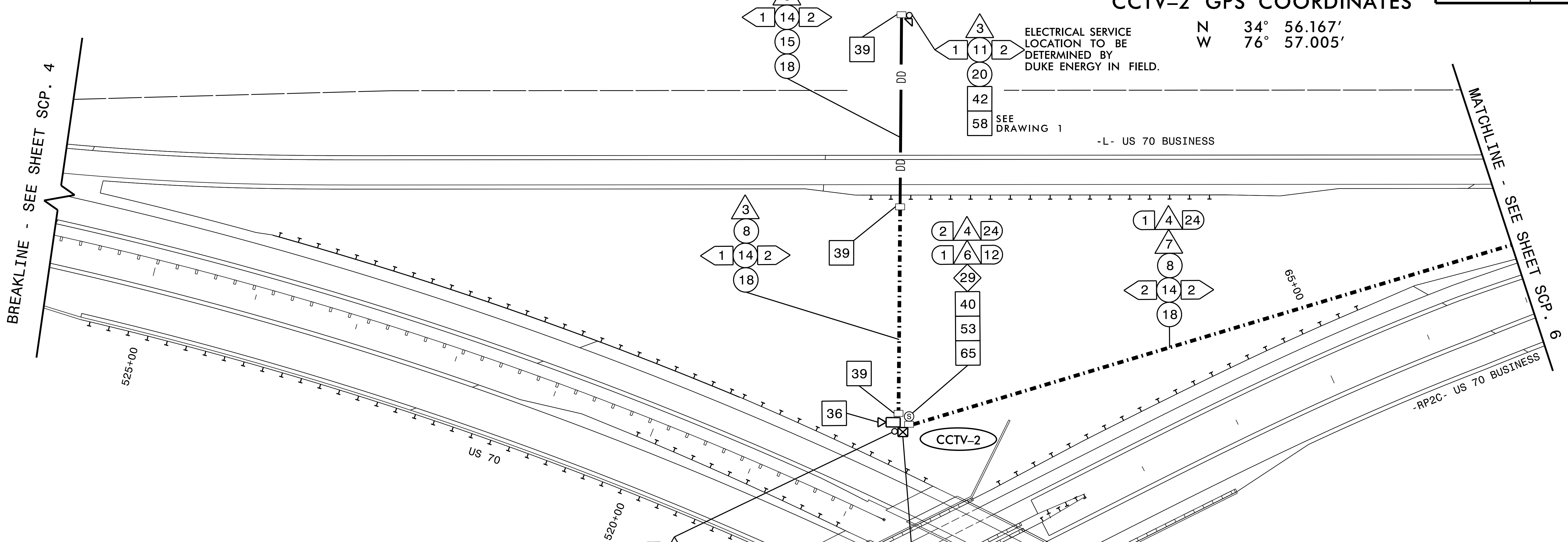
<p>HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997</p>	<p>Plans Prepared for:</p> <p>US 70 HAVELOCK BYPASS CABLE ROUTING PLAN</p>						
	<p>Division 02 Craven Co. Havelock</p> <p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p> <p>PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons</p>	<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	
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<p>250 N. Greenfield Place - Garner, NC 27529</p> <p>SCALE 0 50 1"=50'</p>	<p>DocuSigned by: Natasha R. Simmons 12/7/2018</p> <p>Signature: _____ Date: _____</p>						

CCTV-2 GPS COORDINATES

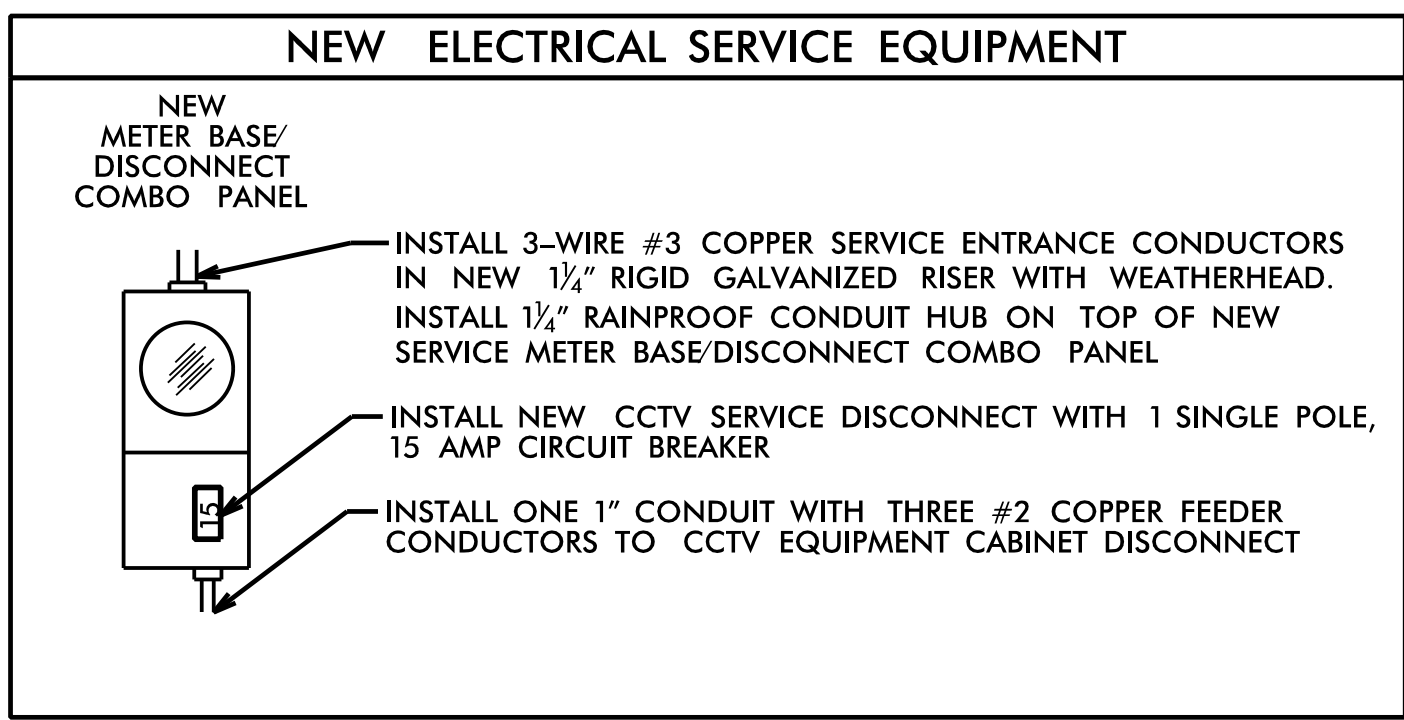
ELECTRICAL SERVICE LOCATION TO BE DETERMINED BY DUKE ENERGY IN FIELD.
N 34° 56.167'
W 76° 57.005'

BREAKLINE - SEE SHEET SCP. 4

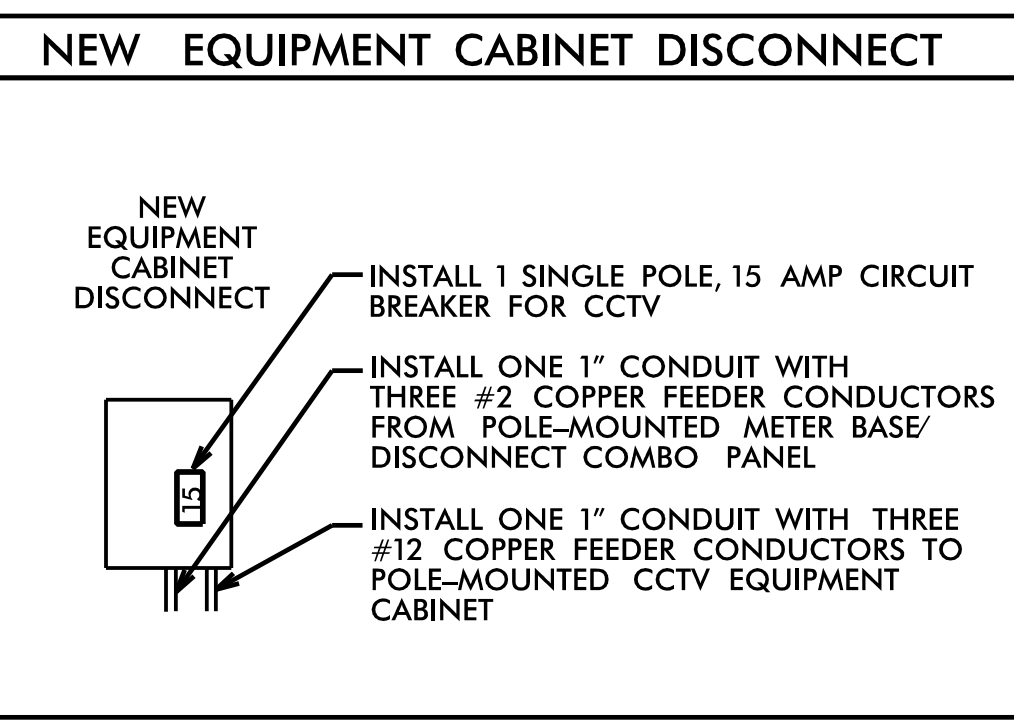
MATCHLINE - SEE SHEET SCP. 6



DRAWING 1



DRAWING 2



NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX/CABINET ENTRANCES.
3. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SENIOR SIGNAL SYSTEM OPERATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
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5. DO NOT INSTALL CCTV POLE ANY CLOSER THAN SIX (6) FEET FROM THE FACE OF GUARDRAIL.
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7. DO NOT INSTALL CONDUIT OR JUNCTION BOXES UNTIL THE LOCATION OF THE CCTV CAMERA OR DMS HAS BEEN CONFIRMED BY THE DIVISION 2 TRAFFIC ENGINEER.
8. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND FIBER-OPTIC CABLE IN THE SAME JUNCTION BOX.
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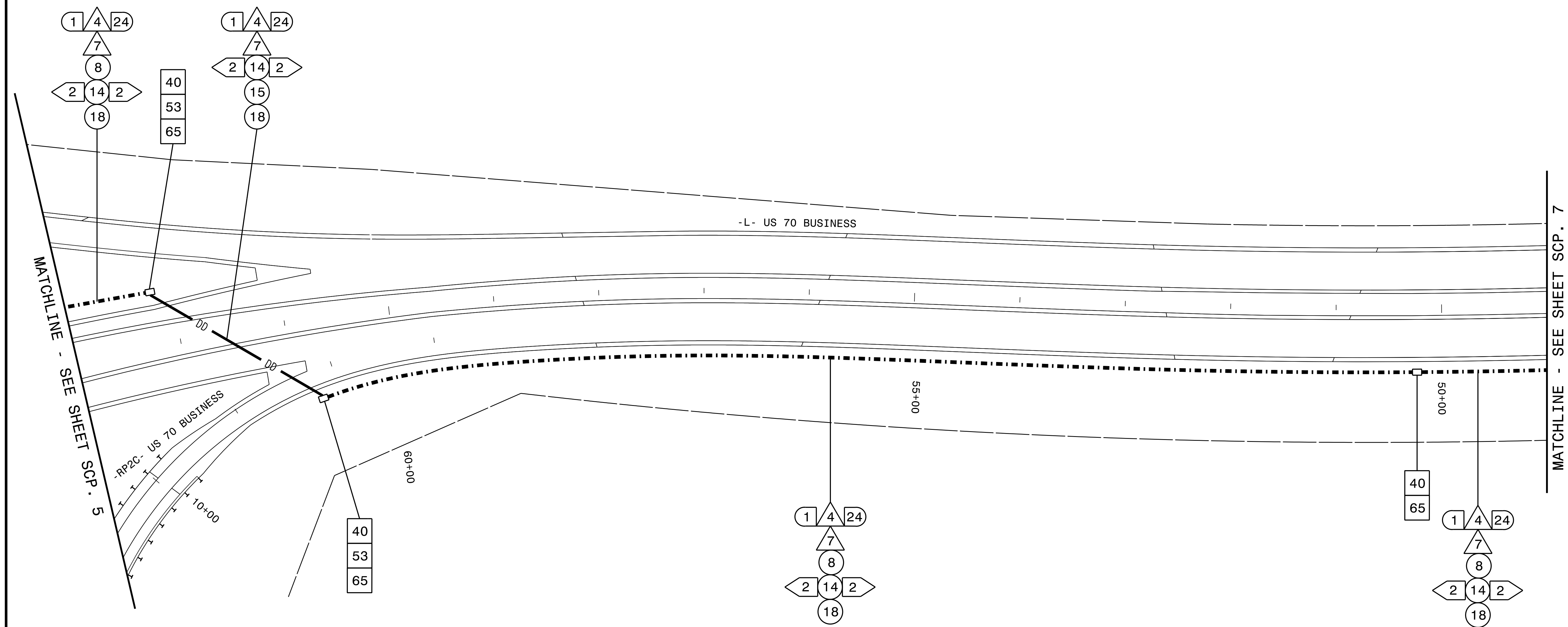
250 N. Greenfield Place, Garner, NC 27529

SCALE
0 50
1"=50'

US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons
REVISIONS	INIT. DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
031464
NATASHA R. SIMMONS

DocuSigned by:
Natasha R. Simmons 12/7/2018
FEDABDF34D454
SIGNATURE DATE
CADD Filename: R1015 scp.05.dgn



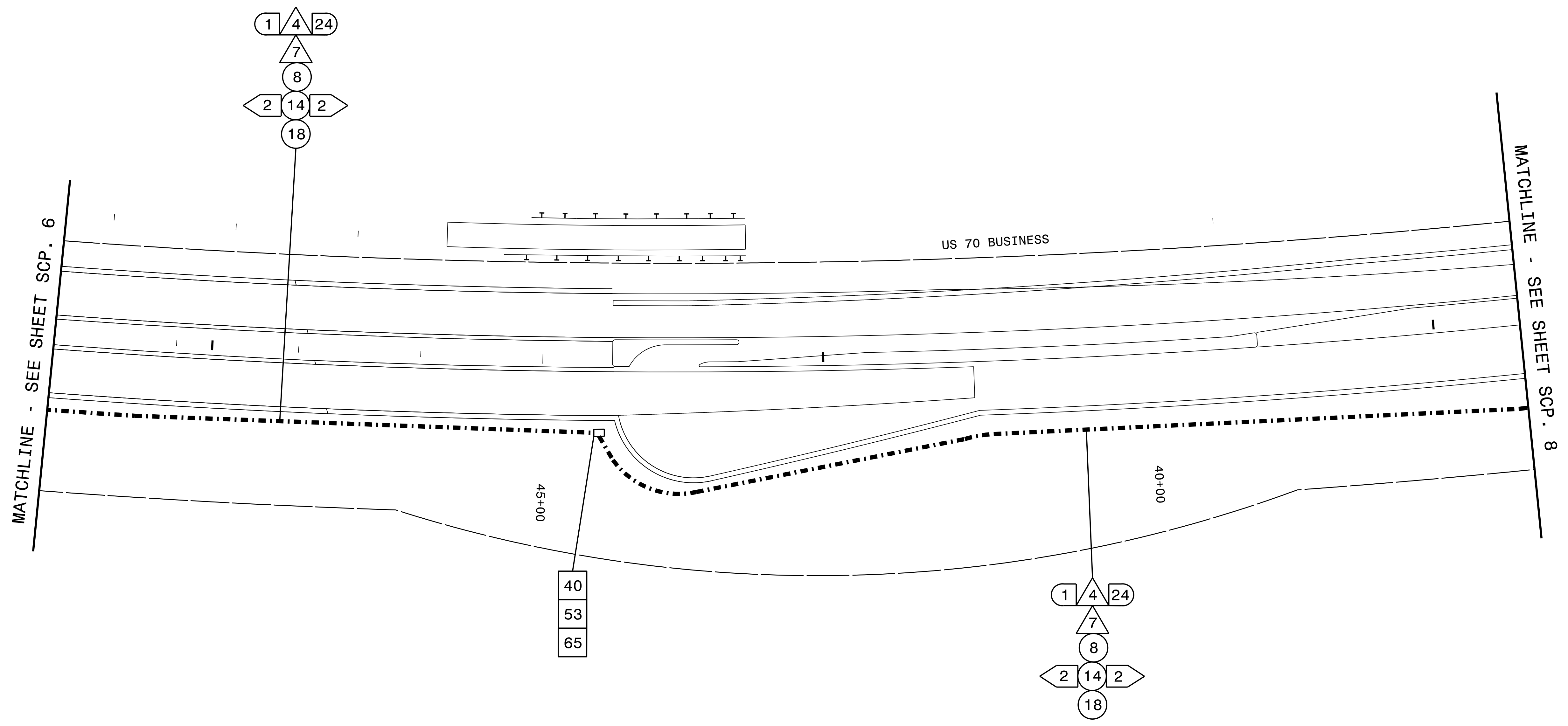
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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
REVISIONS	INIT.	DATE	
DocuSigned by: Natasha R. Simmons 12/7/2018			SEAL NATASHA R. SIMMONS
CADD Filename: R1015 scp.06.dgn			



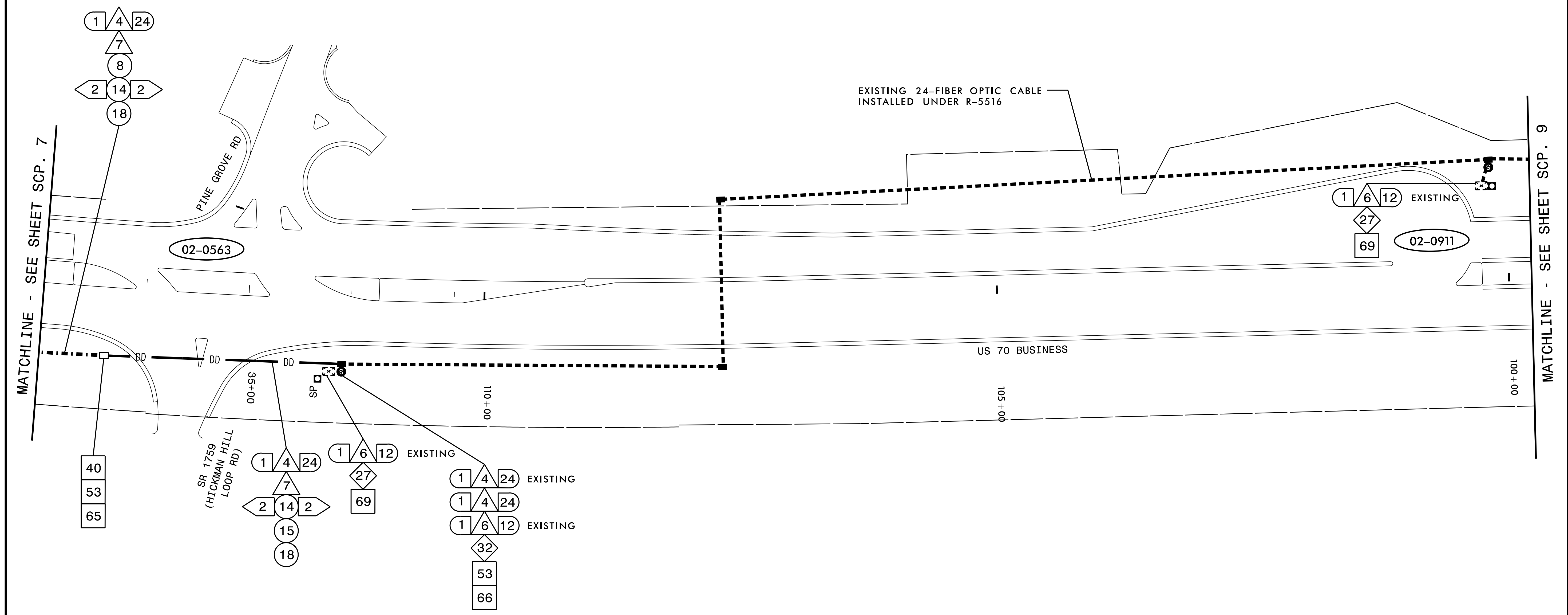
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<p>Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place - Garner, NC 27529</p>	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN								
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell		PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons					
	SCALE 0 50 1"=50'	<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				DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL 031464 ENGINEER NATASHA R. SIMMONS SIGNATURE DATE CADD Filename: R1015 scp.07.dgn
REVISIONS	INIT.	DATE							

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MATCHLINE - SEE SHEET SCP. 7

MATCHLINE - SEE SHEET SCP. 9

NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
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3. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SENIOR SIGNAL SYSTEM OPERATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
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11. REMOVE EXISTING FIBER OPTIC CABLE AND PULL IN NEW FIBER OPTIC CABLE.

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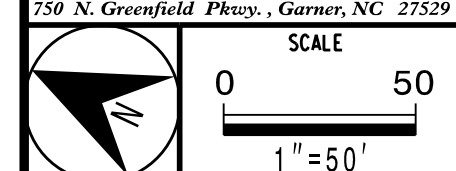
Plans Prepared for:

250 N. Greenfield Place, Garner, NC 27529

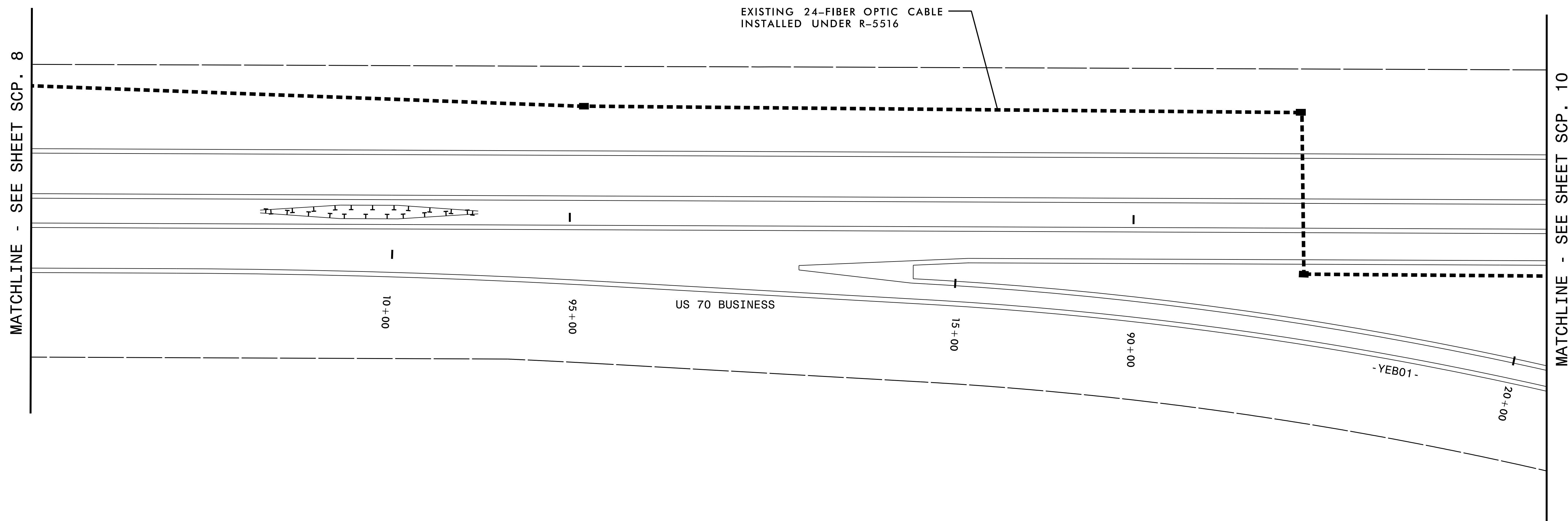
US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons
REVISIONS	INIT. DATE

SEAL

DocuSigned by:
 Natasha R. Simmons 12/7/2018
 SEAL
 NATASHA R. SIMMONS
 ENGINEER
 SIGNATURE DATE
 CADD Filename: R1015 scp.08.dgn



NO WORK ON THIS SHEET



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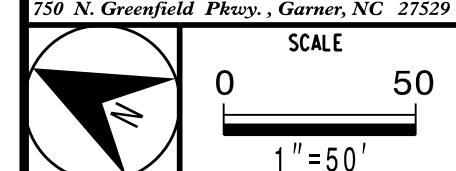
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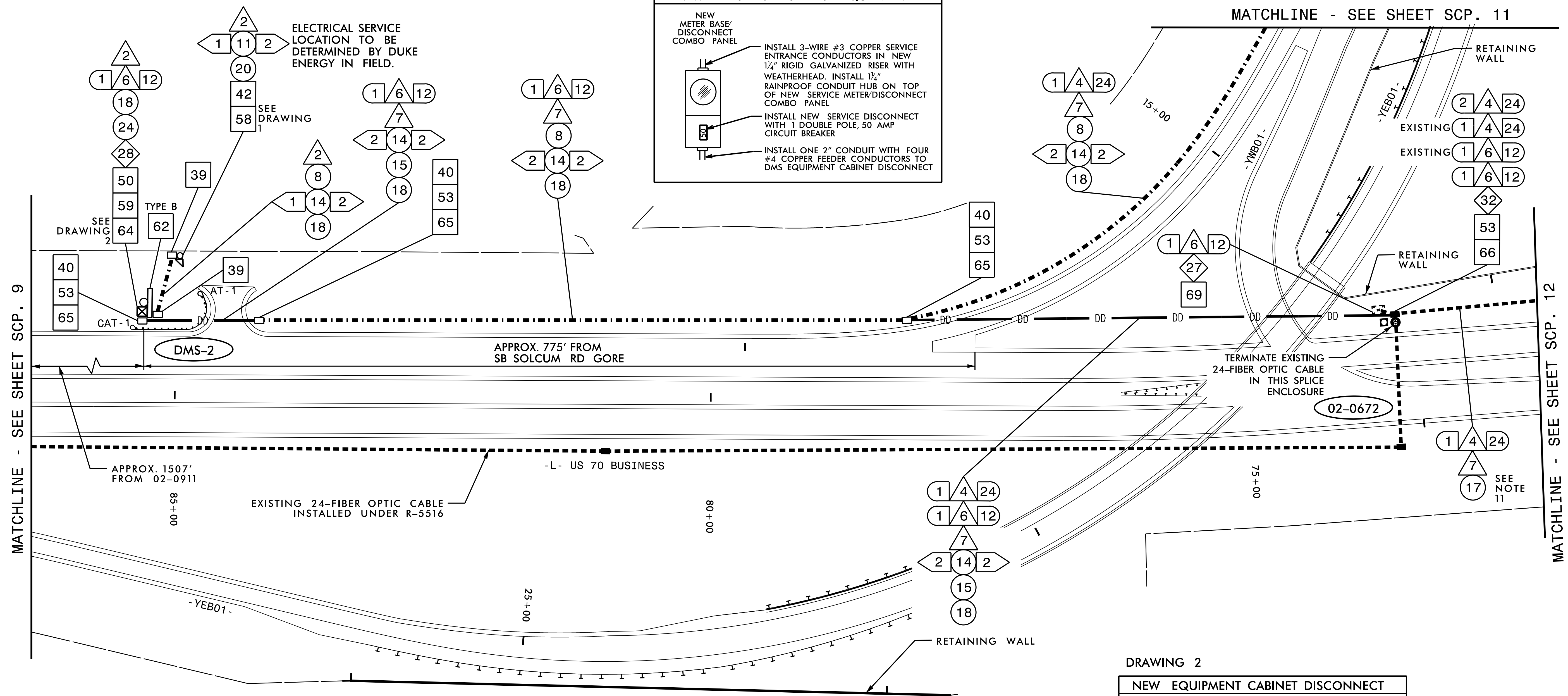
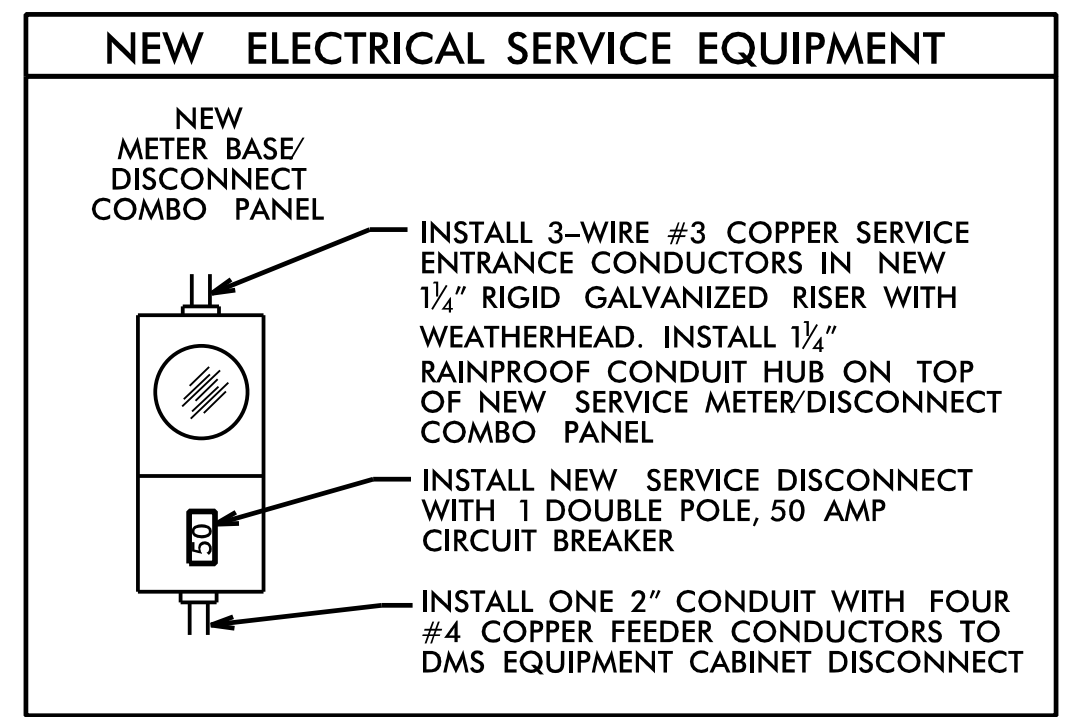
SEAL
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PROFESSIONAL
ENGINEER
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031464
NATASHA R. SIMMONS

DocuSigned by:
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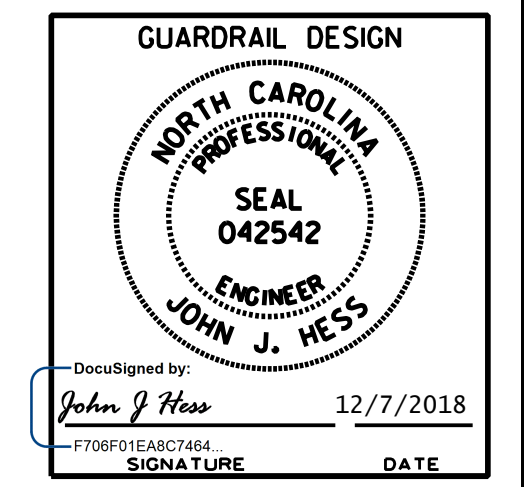
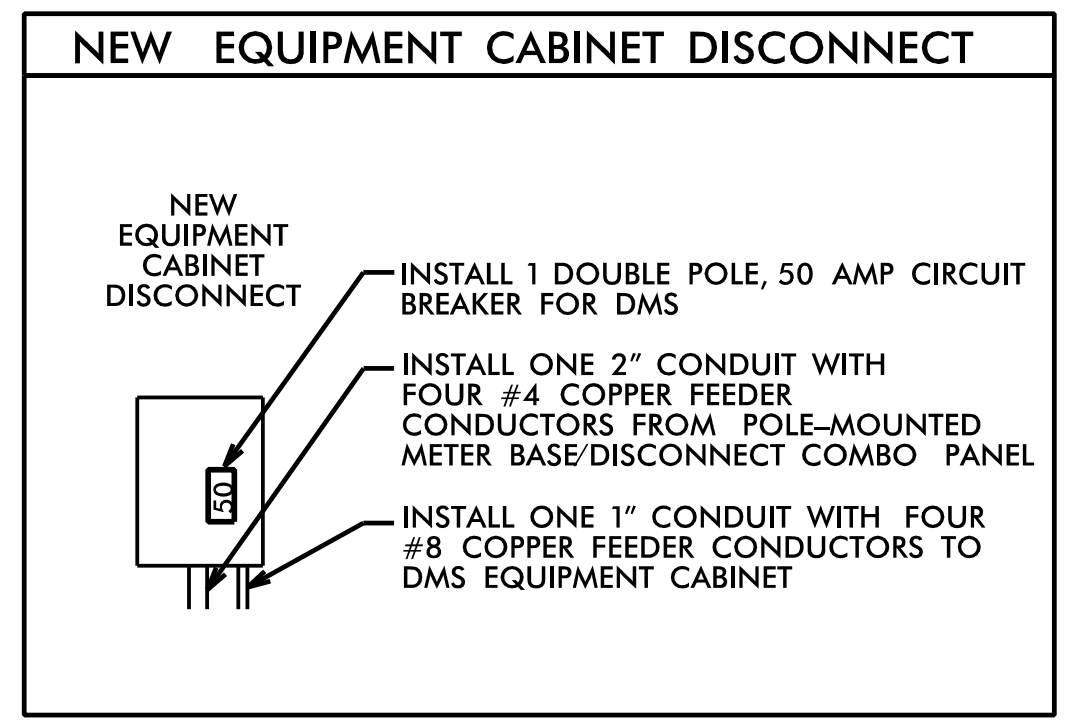


N 34° 55.223'
W 76° 56.609'

DRAWING 1



DRAWING 2



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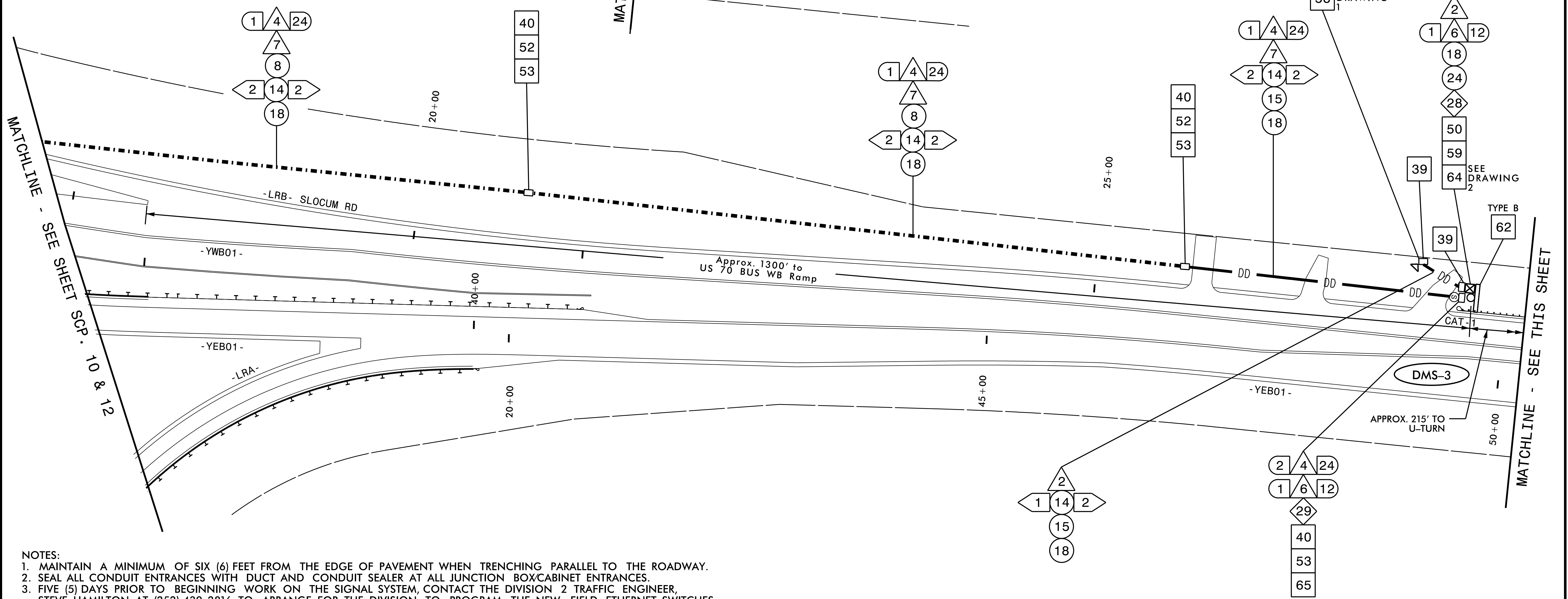
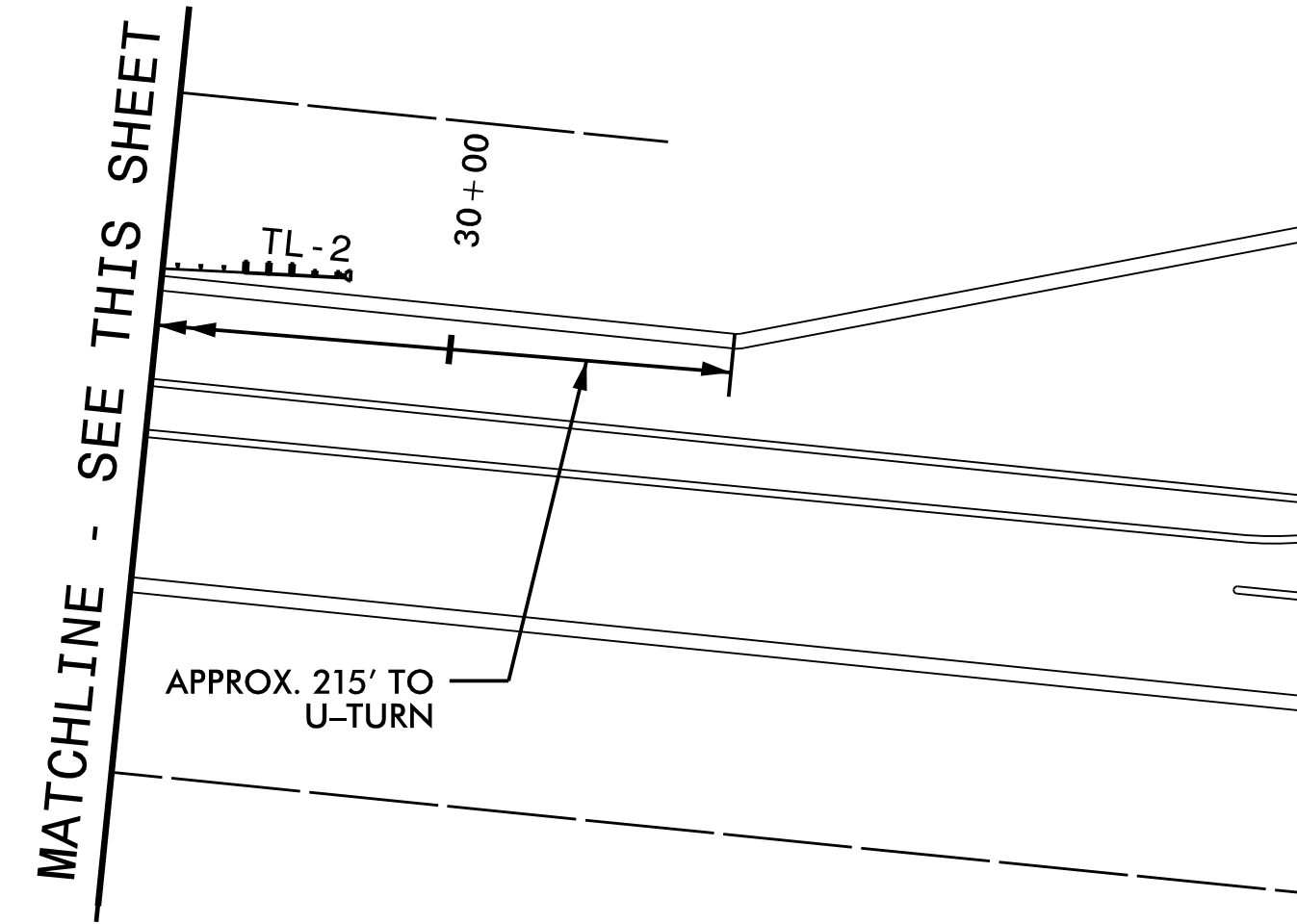
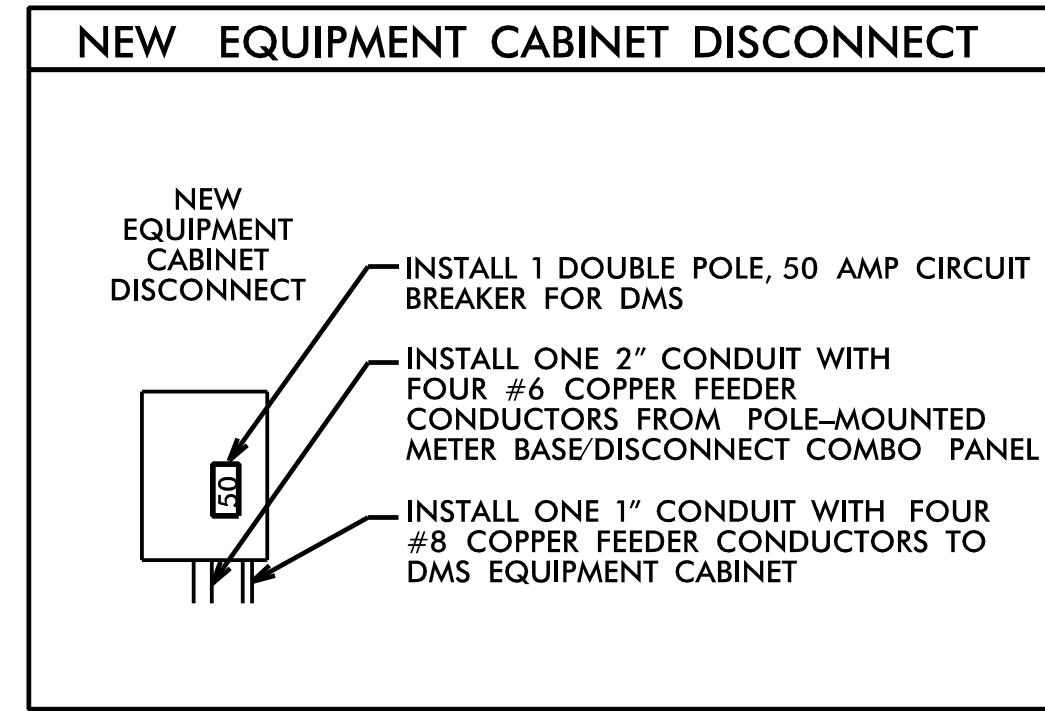
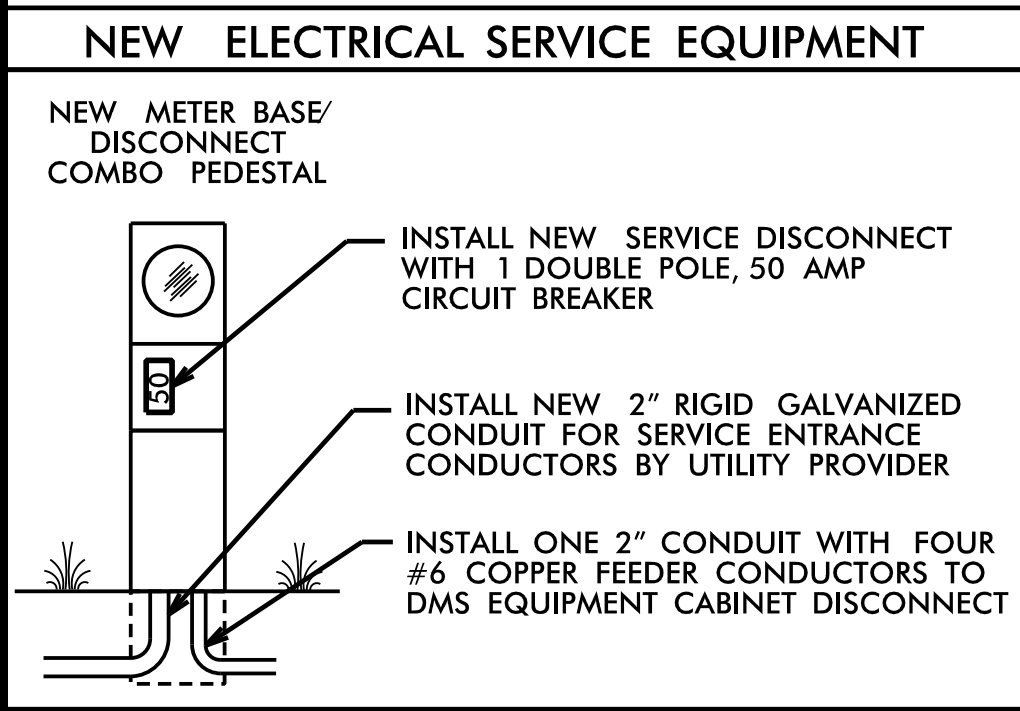
	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS INIT. DATE SIGNATURE DATE	
SCALE 0 50 1"=50'		DocuSigned by: Natasha R. Simmons 12/7/2018 SIGNATURE DATE CADD Filename: R1015 scp.10.dgn	

DRAWING 1

DRAWING 2

DMS-3 GPS COORDINATES

N 34° 55.101'
W 76° 56.194'

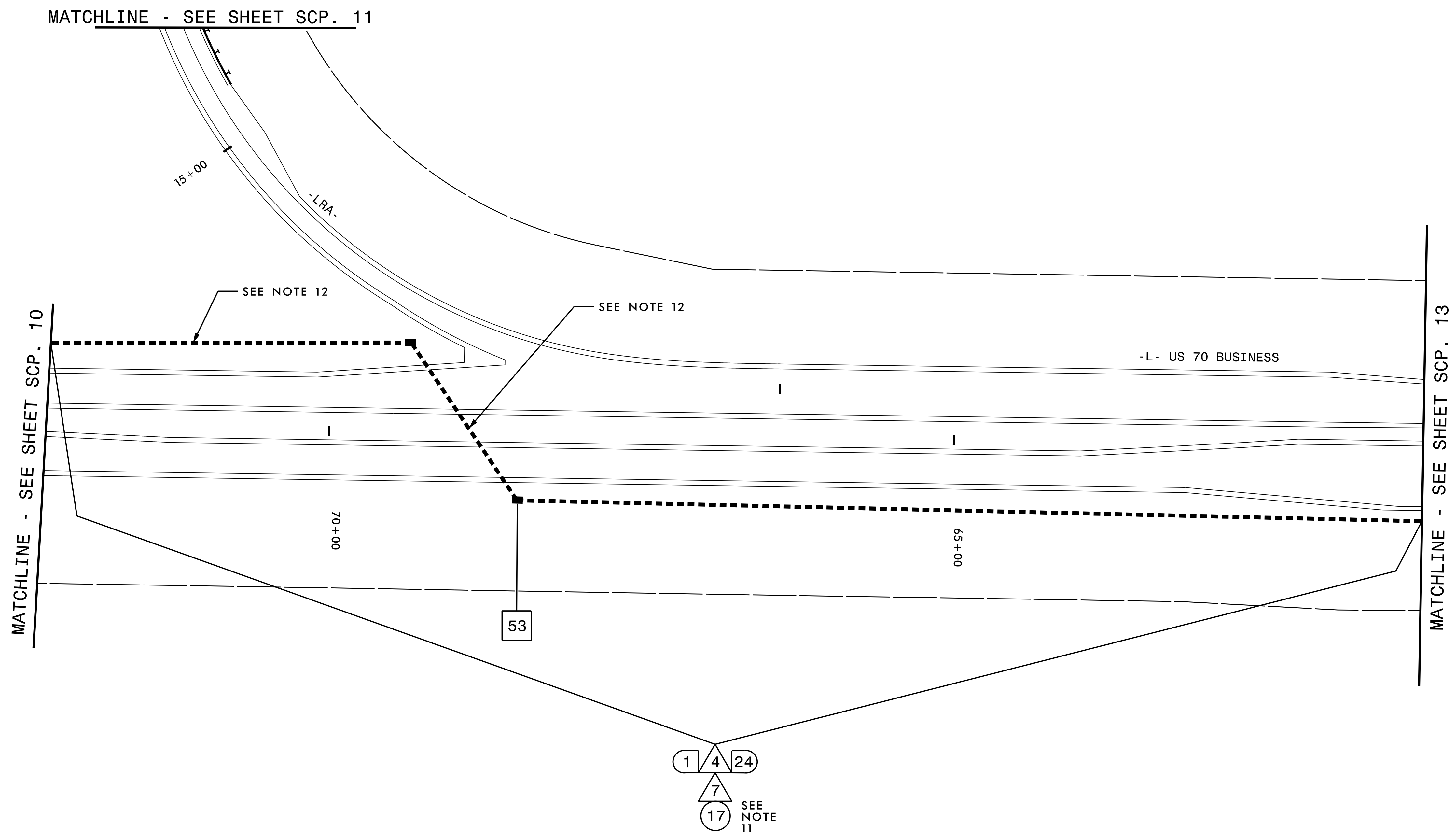


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<p>HNTB</p>	<p>Plans Prepared for:</p> <p>US 70 HAVELOCK BYPASS CABLE ROUTING PLAN</p>								
	<p>250 N. Greenfield Place - Garner, NC 27529</p> <p>HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997</p>	<p>Division 02 Craven Co. Havelock</p> <p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p> <p>PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons</p>		<p>DocuSigned by: Natasha R. Simmons 12/7/2018</p> <p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER 031464 NATASHA R. SIMMONS</p>					
<p>SCALE</p> <p>0 50</p> <p>1"=50'</p>		<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				<p>CADD Filename: R1015 scp.11.dgn</p>
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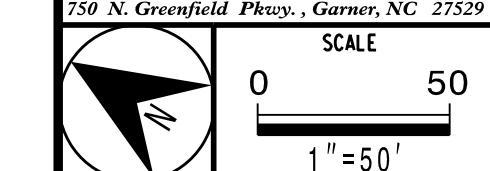
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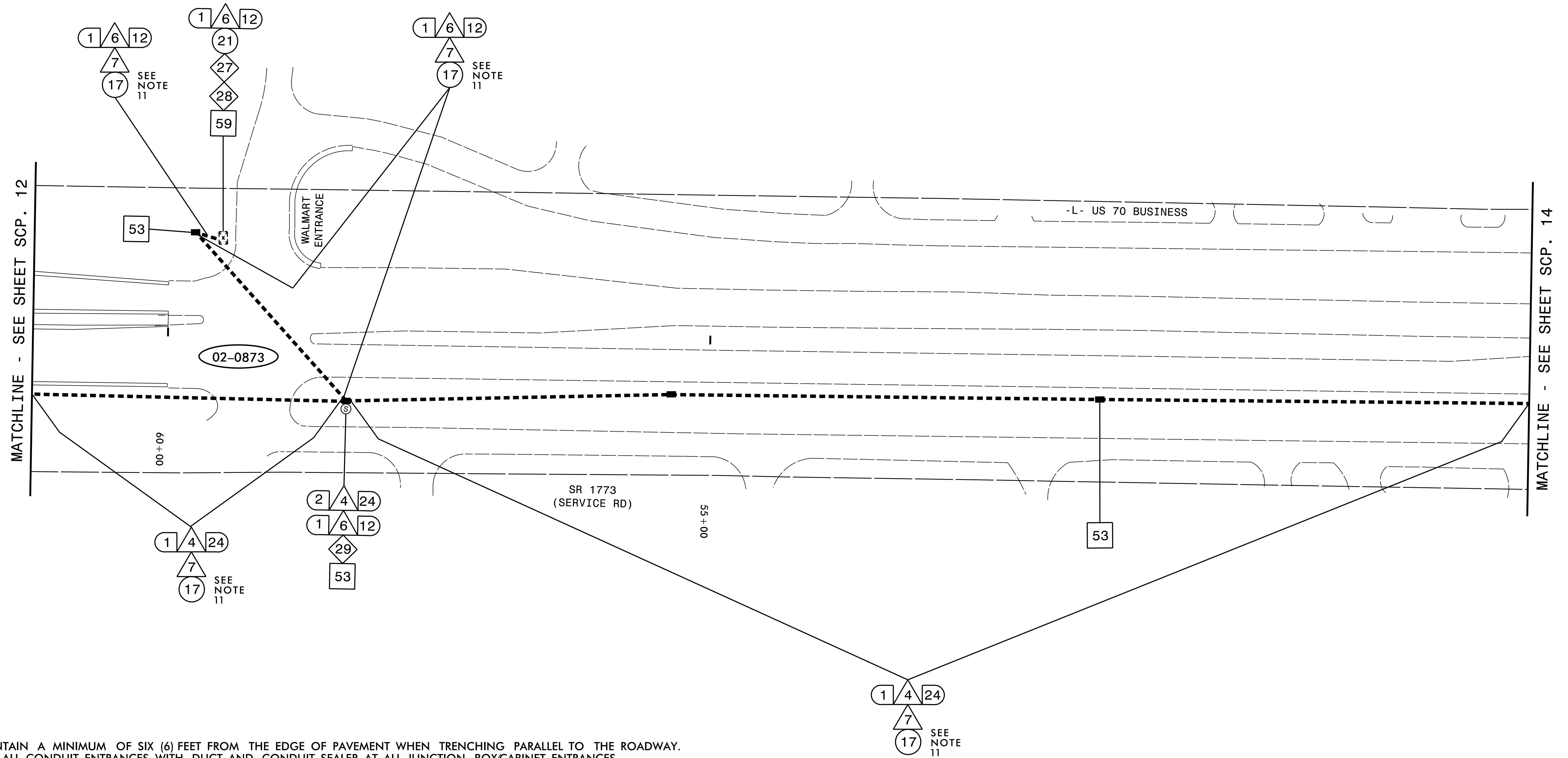
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		SEAL  NATASHA R. SIMMONS
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
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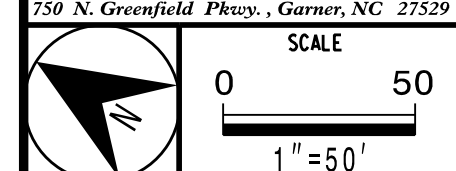
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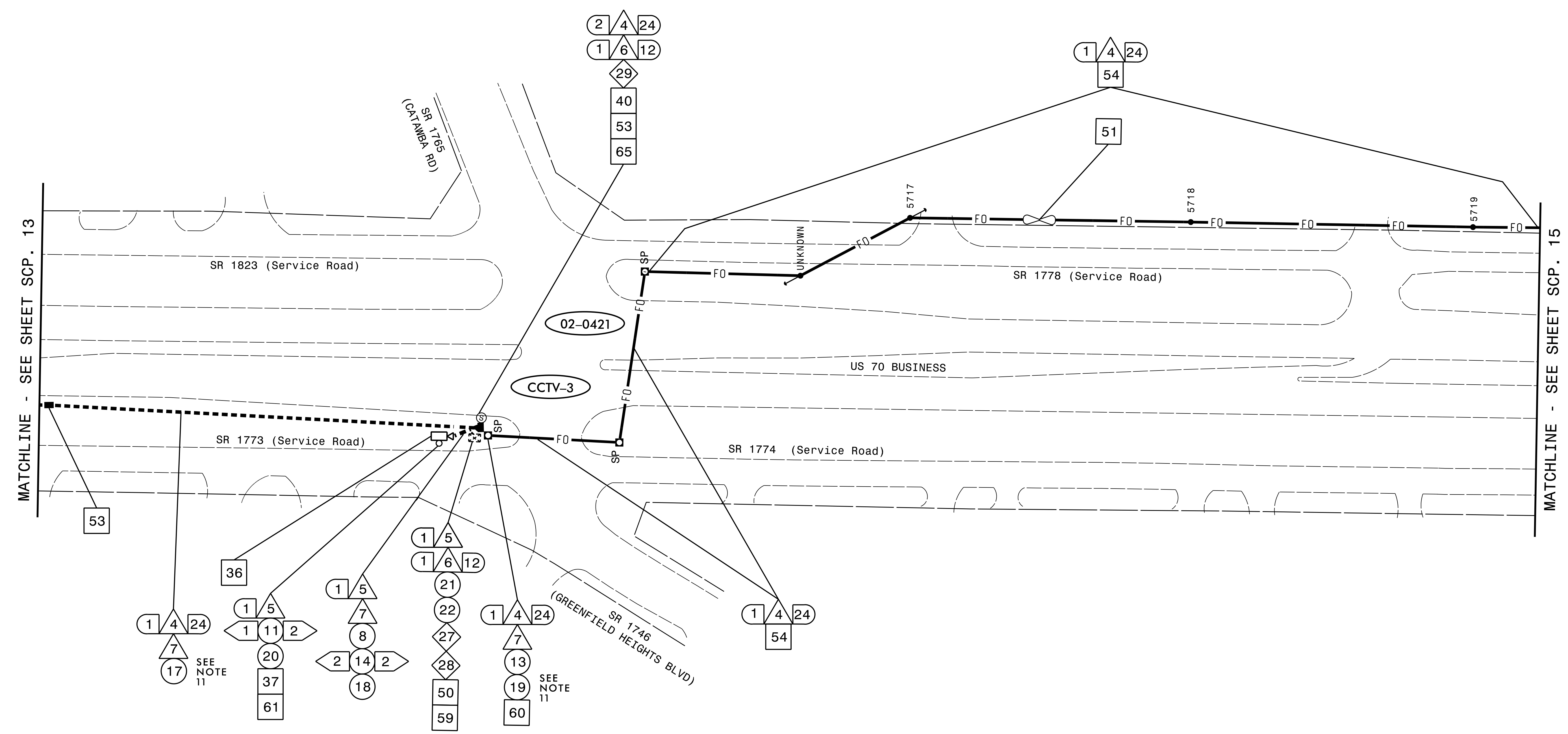


US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
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 PROFESSIONAL
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 ENGINEER
 NATASHA R. SIMMONS
 DocuSigned by:
 Natasha R. Simmons 12/7/2018
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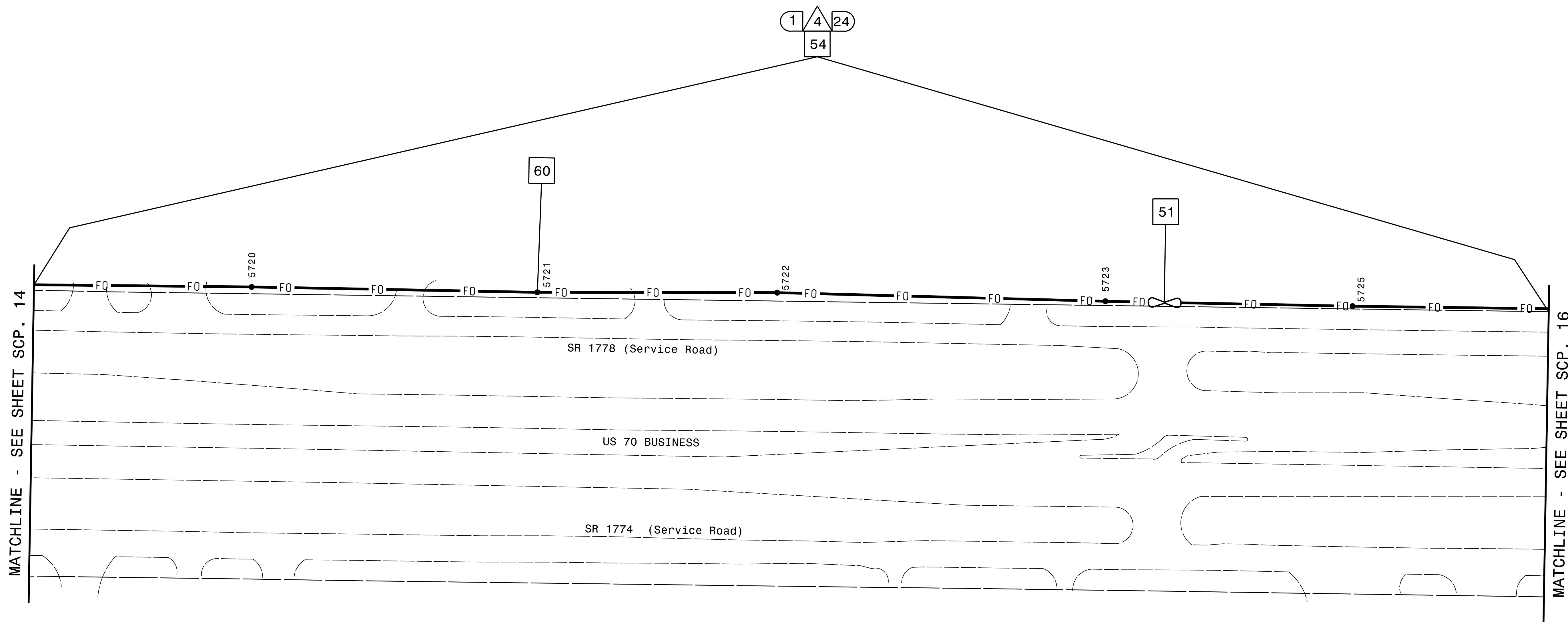
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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER NATASHA R. SIMMONS SEAL 031464
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS INIT. DATE _____ _____ _____	
SCALE 0 50 1"=50'		DocuSigned by: Natasha R. Simmons 12/7/2018 FIDABDF3AD454 SIGNATURE DATE CADD Filename: R1015 scp 14.dgn	



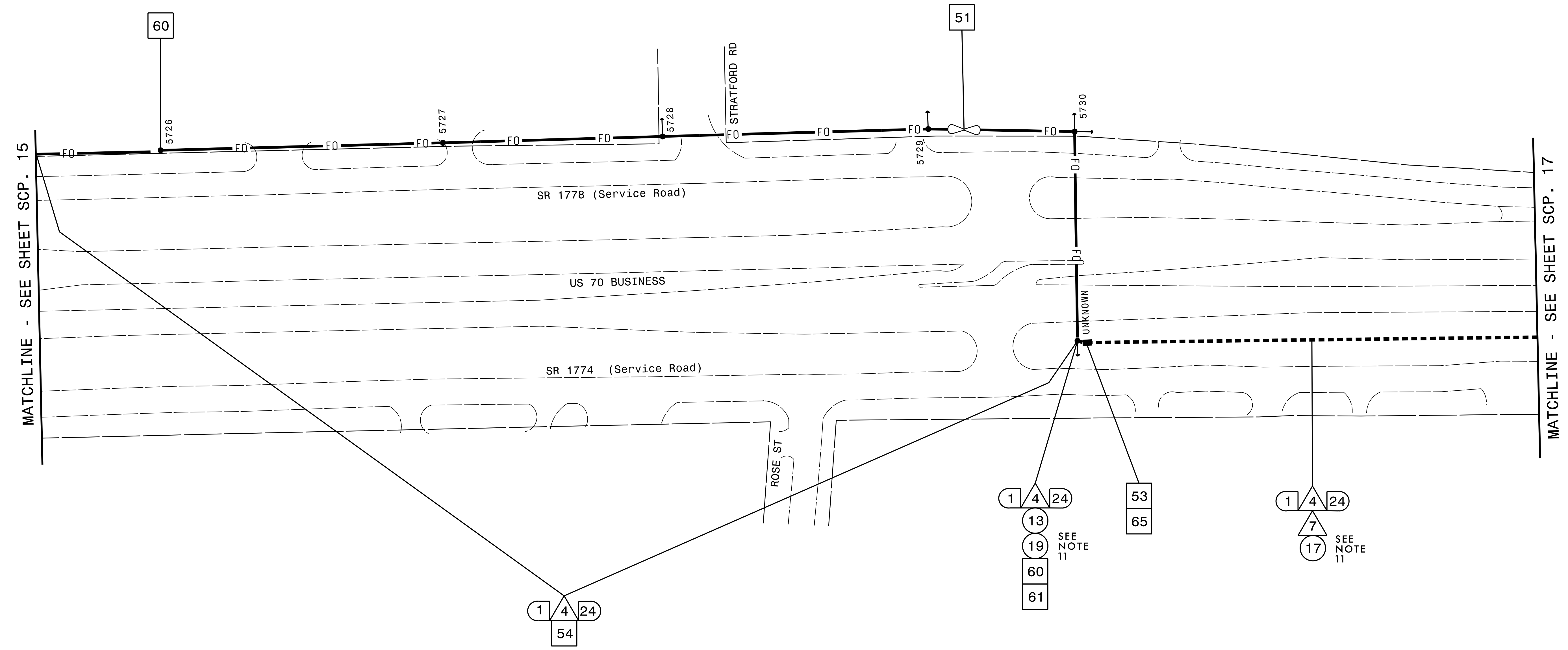
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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
REVISIONS	INIT.	DATE	DocuSigned by: Natasha R. Simmons 12/7/2018 FEDERAL REGISTERED SIGNATURE DATE
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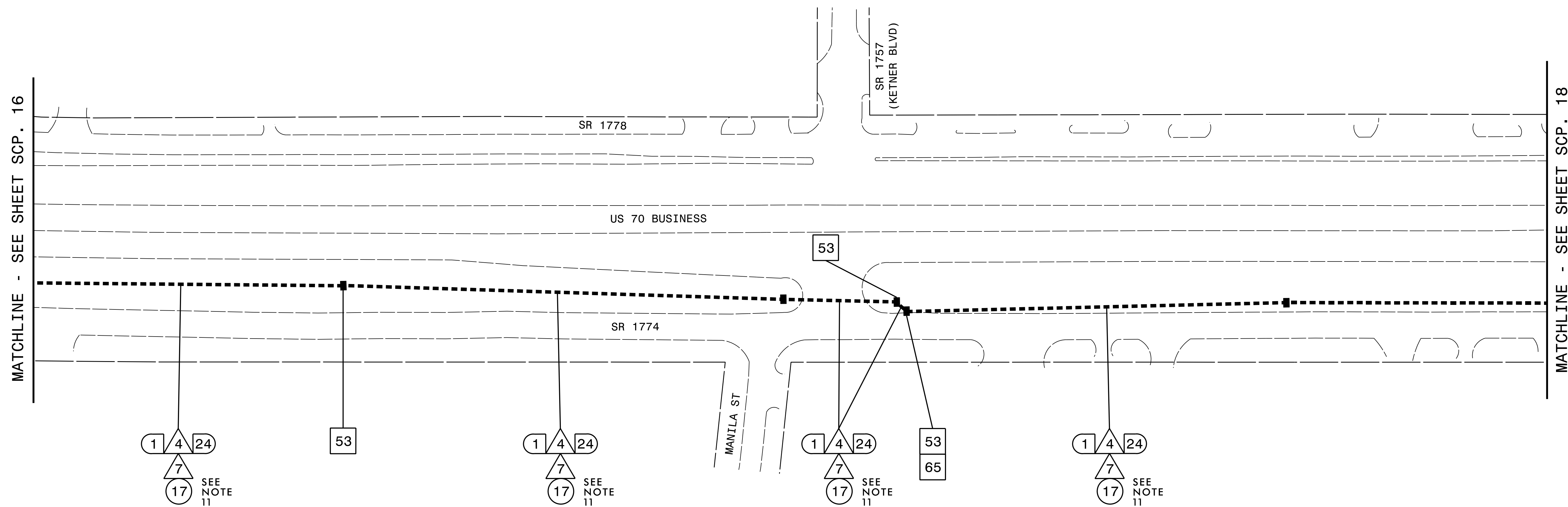


- NOTES:
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 3. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SENIOR SIGNAL SYSTEM OPERATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
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250 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL SIGNATURE DATE
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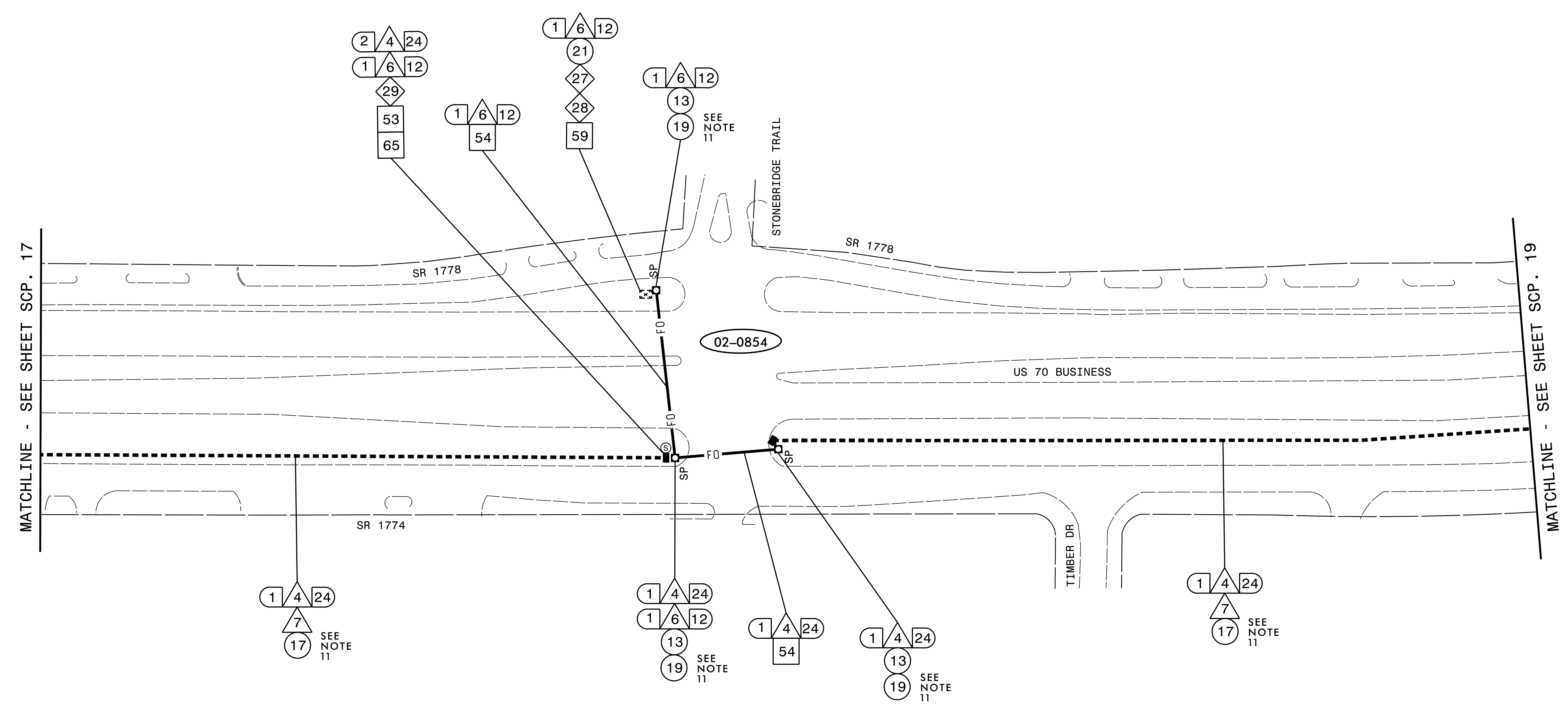
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
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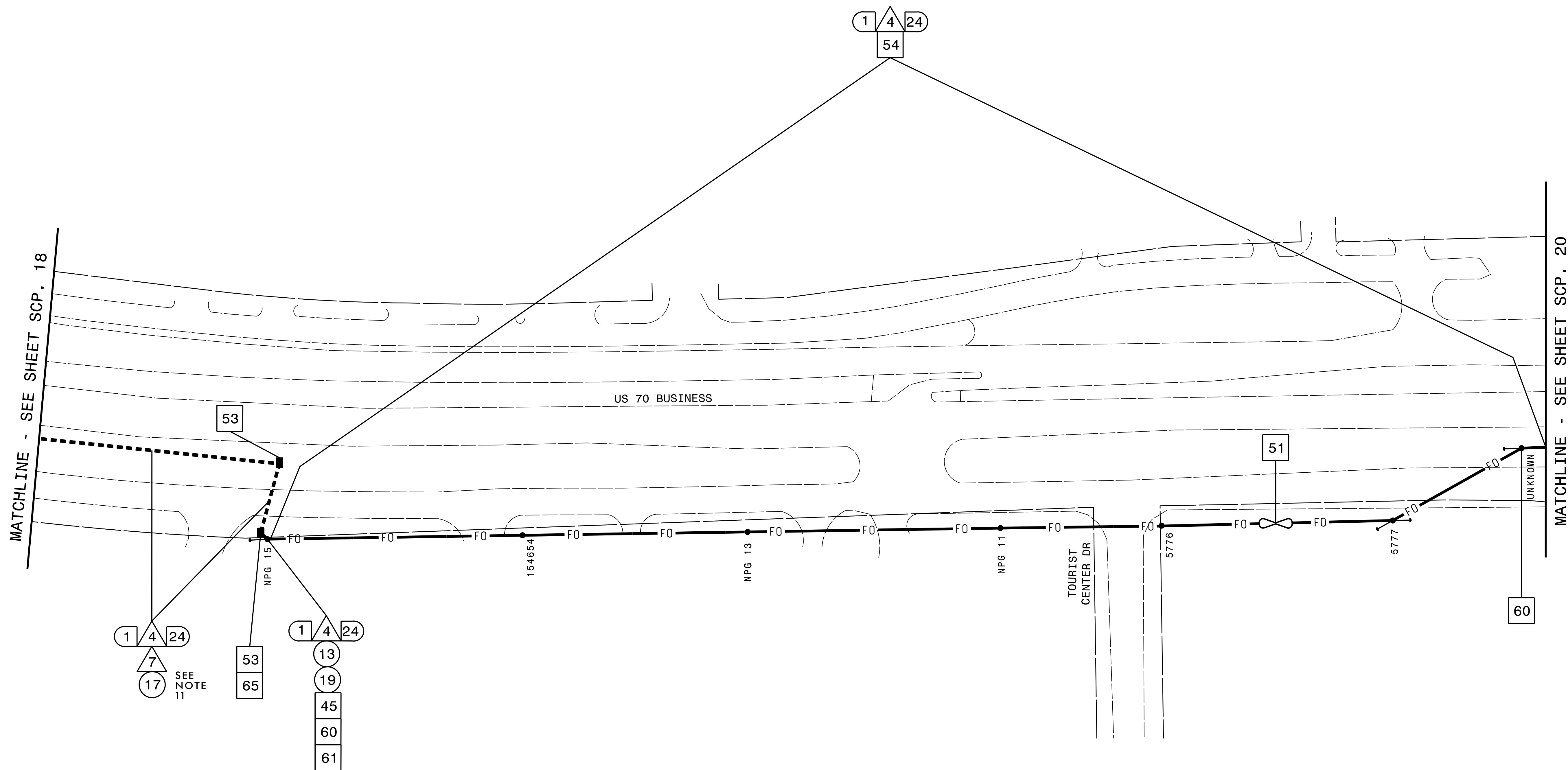


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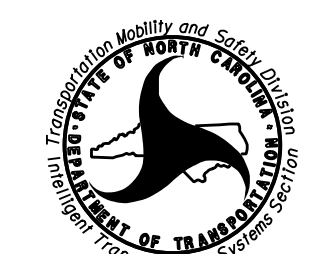


	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
250 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL SIGNATURE DATE
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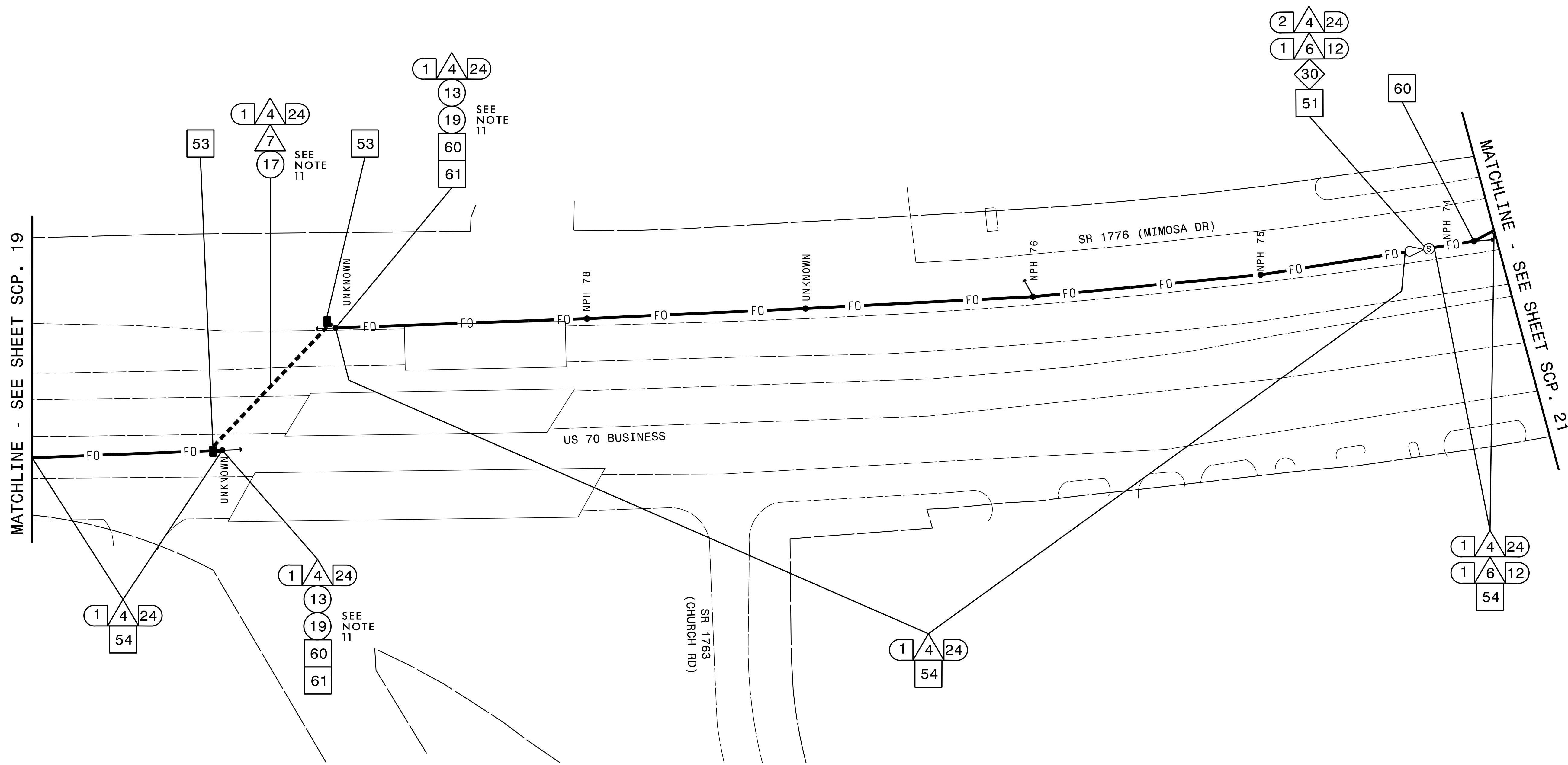


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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		 SEAL 031464 NATASHA R. SIMMONS							
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	INIT.	DATE			
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250 N. Greenfield Place, Garner, NC 27529  SCALE 0 50 1"=50'	DocuSigned by: Natasha R. Simmons 12/7/2018 FIDABR0F3AD454 SIGNATURE DATE CADD Filename: R1015 scp.19.dgn		SEAL 031464 NATASHA R. SIMMONS							



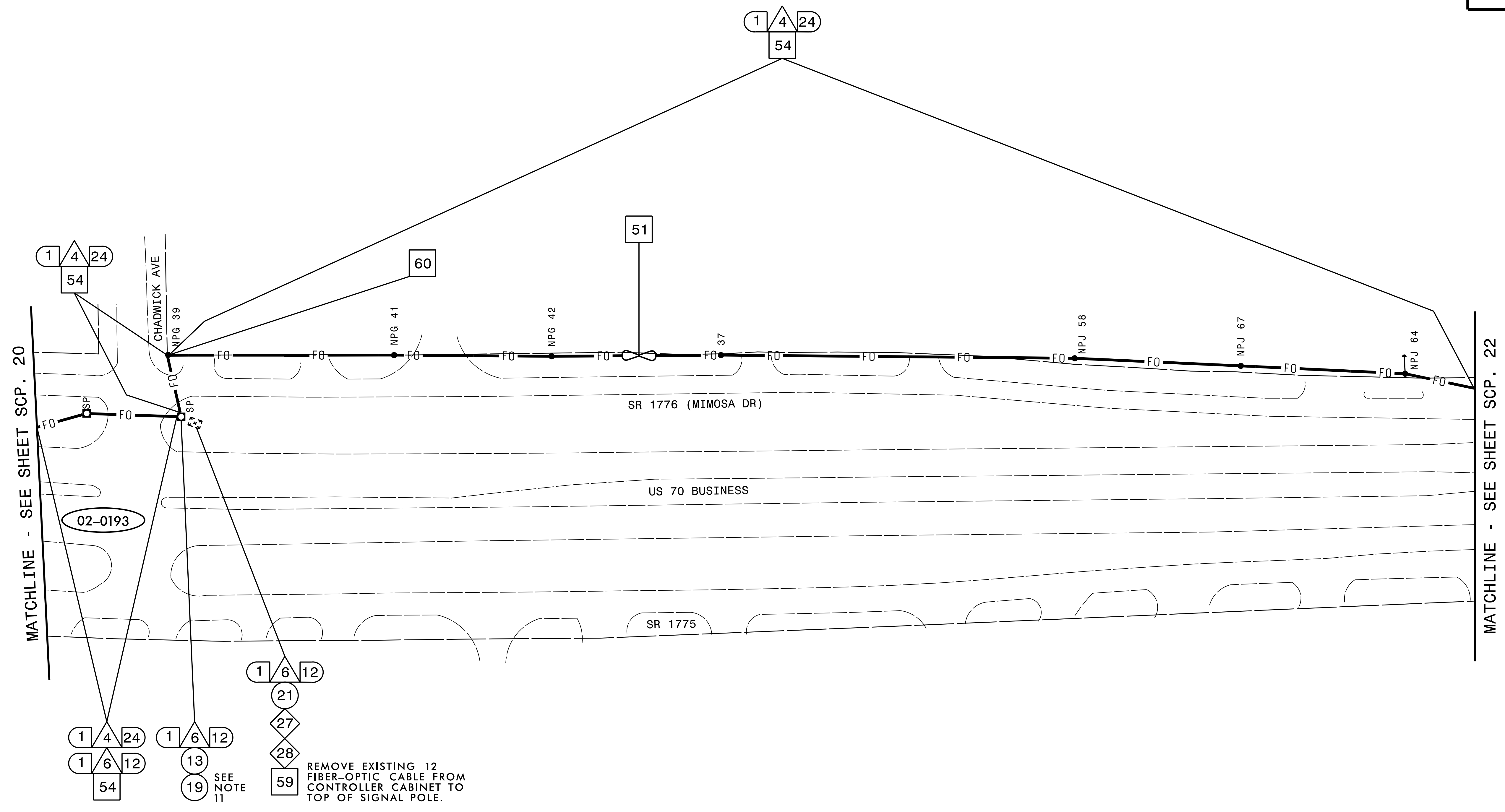
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<p>Plans Prepared for:</p>	<p>US 70 HAVELOCK BYPASS CABLE ROUTING PLAN</p>							
	<p>Division 02 Craven Co. Havelock</p>	<p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p>						
<p>250 N. Greenfield Place, Garner, NC 27529</p>	<p>PREPARED BY: N.K. Vlanich</p>	<p>REVIEWED BY: N.R. Simmons</p>	<p>DocuSigned by: Notasha R. Simmons 12/7/2018</p>					
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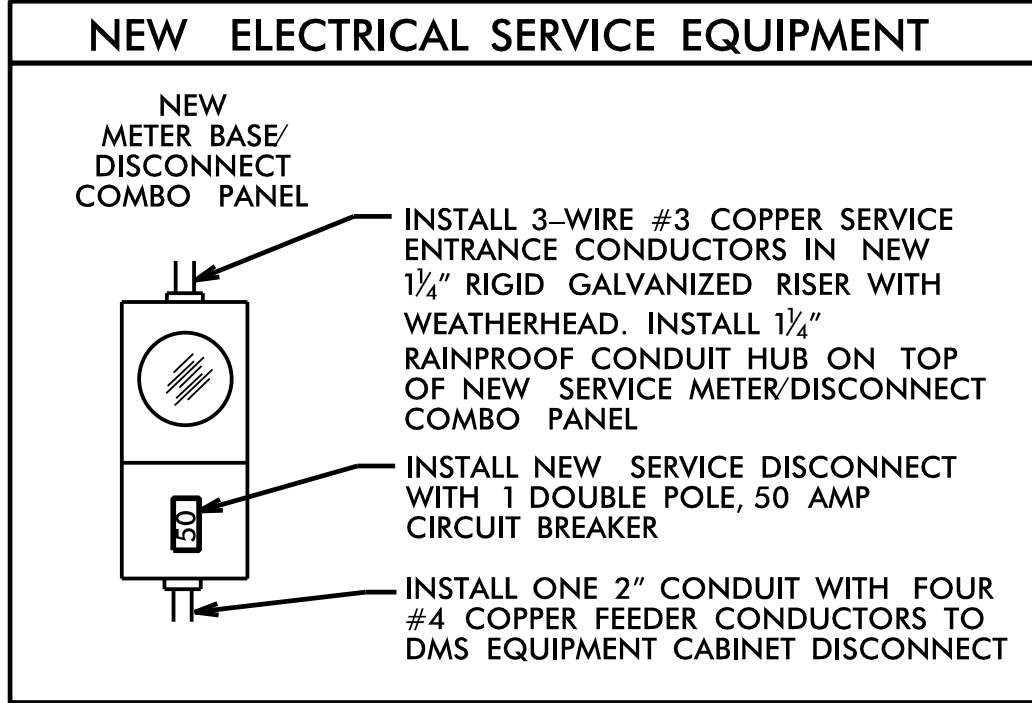
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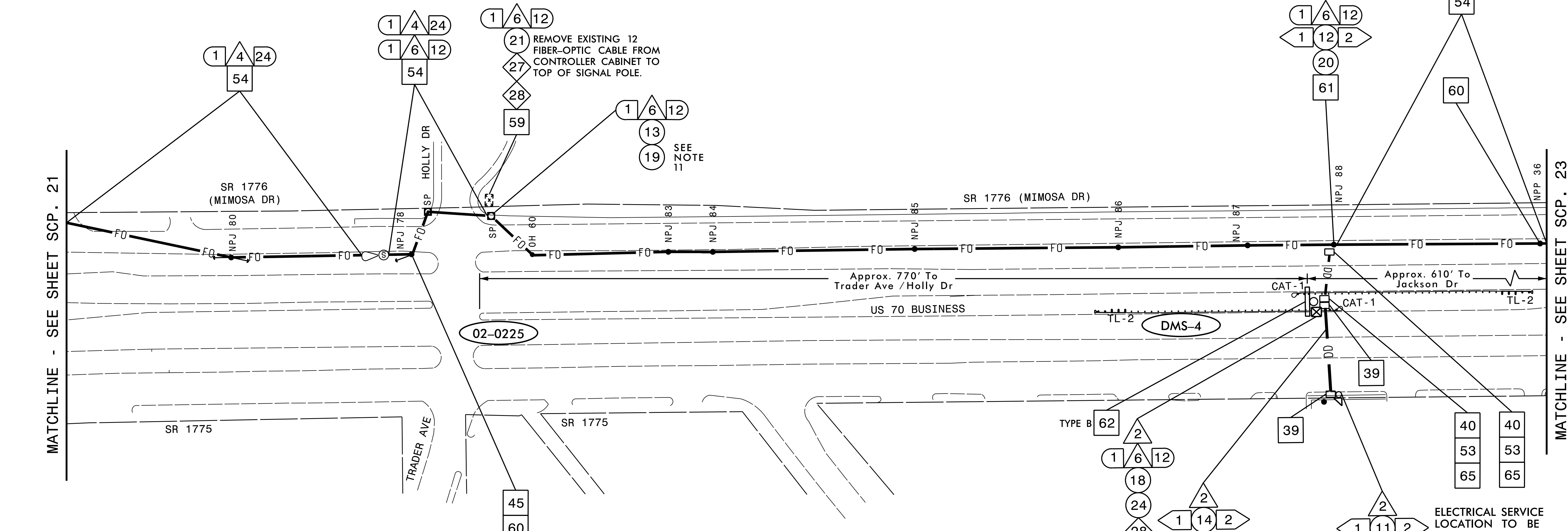
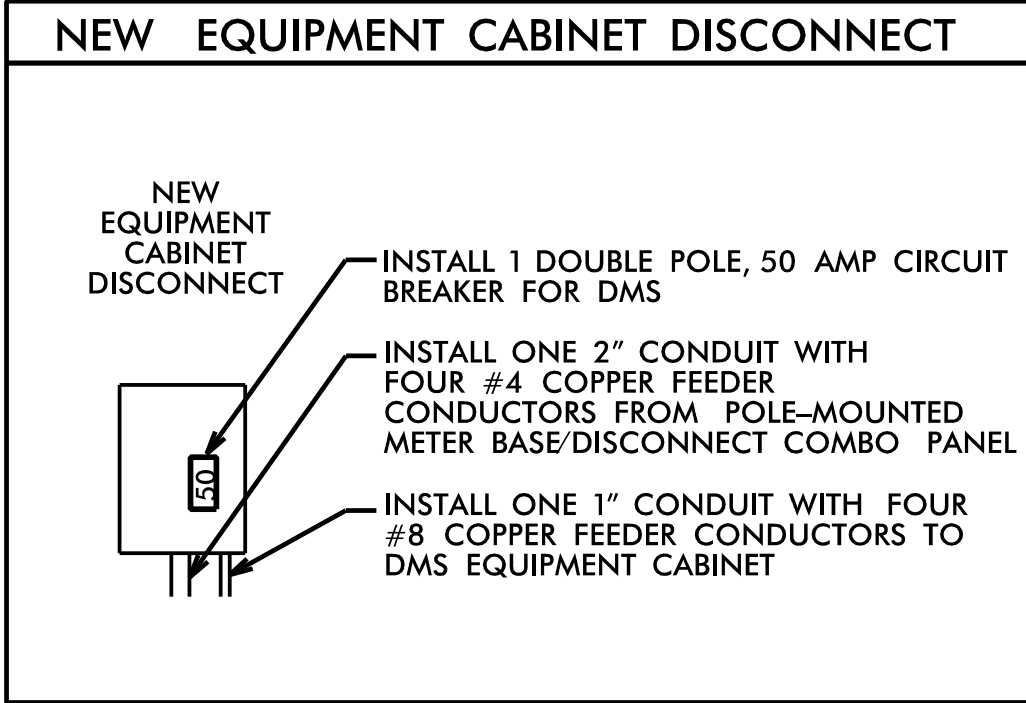
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	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
250 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 FIDAB9F3AD454 SIGNATURE DATE
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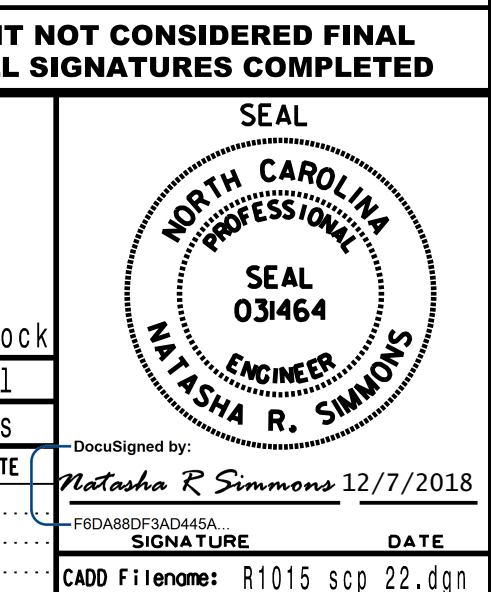
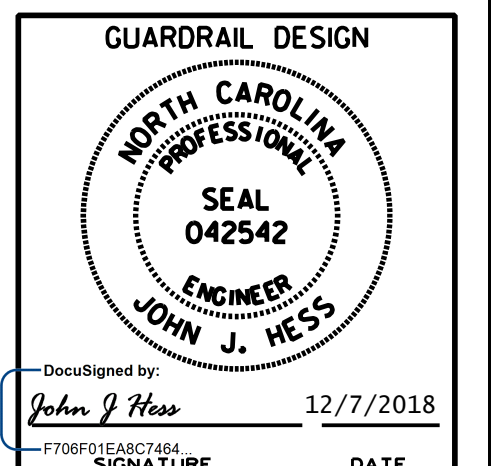


DRAWING 2



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12. NCDOT DIVISION 2 WILL FURNISH AND INSTALL THE CCTV AND DMS CELL MODEM. CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 SIX (6) WEEKS PRIOR TO BEGINNING WORK.



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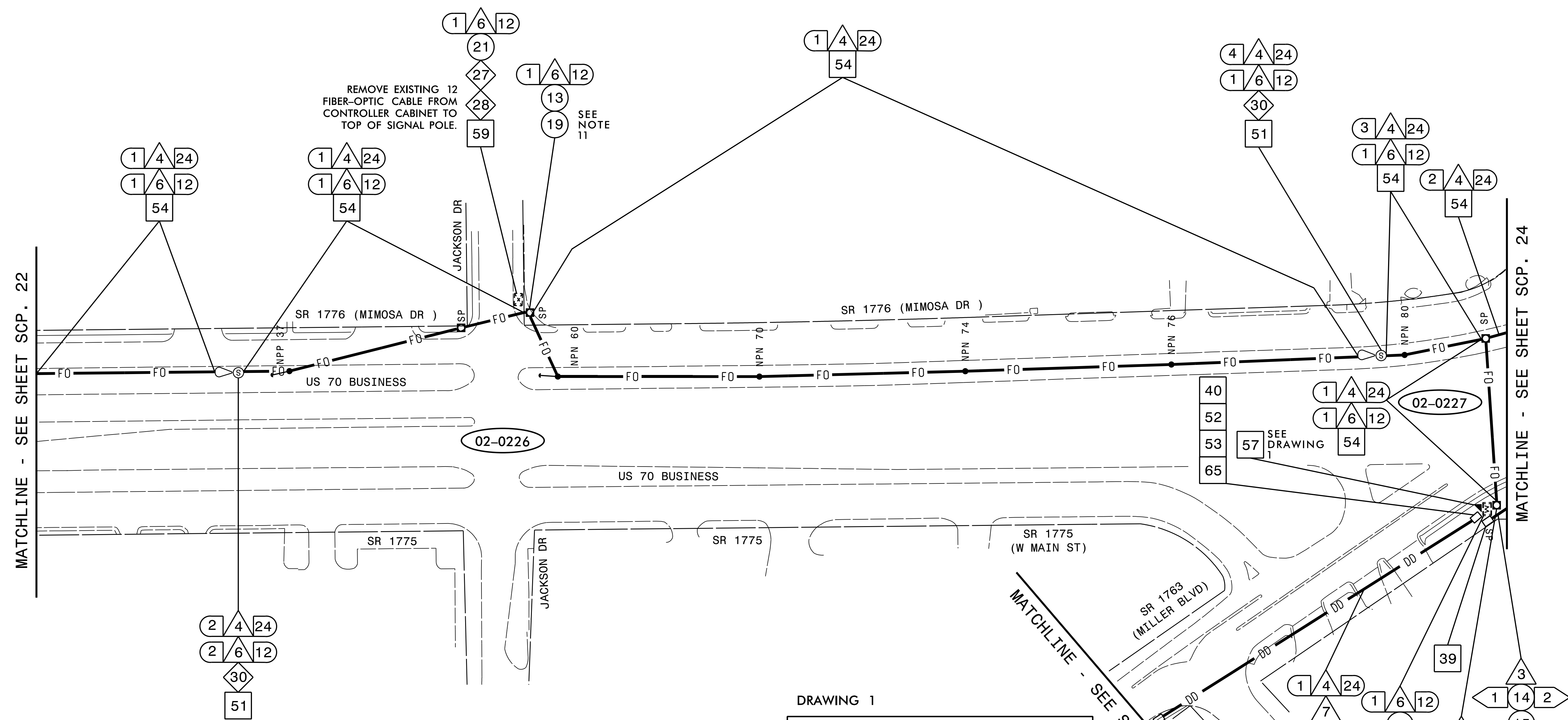
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Division 02 Craven Co. Havelock			
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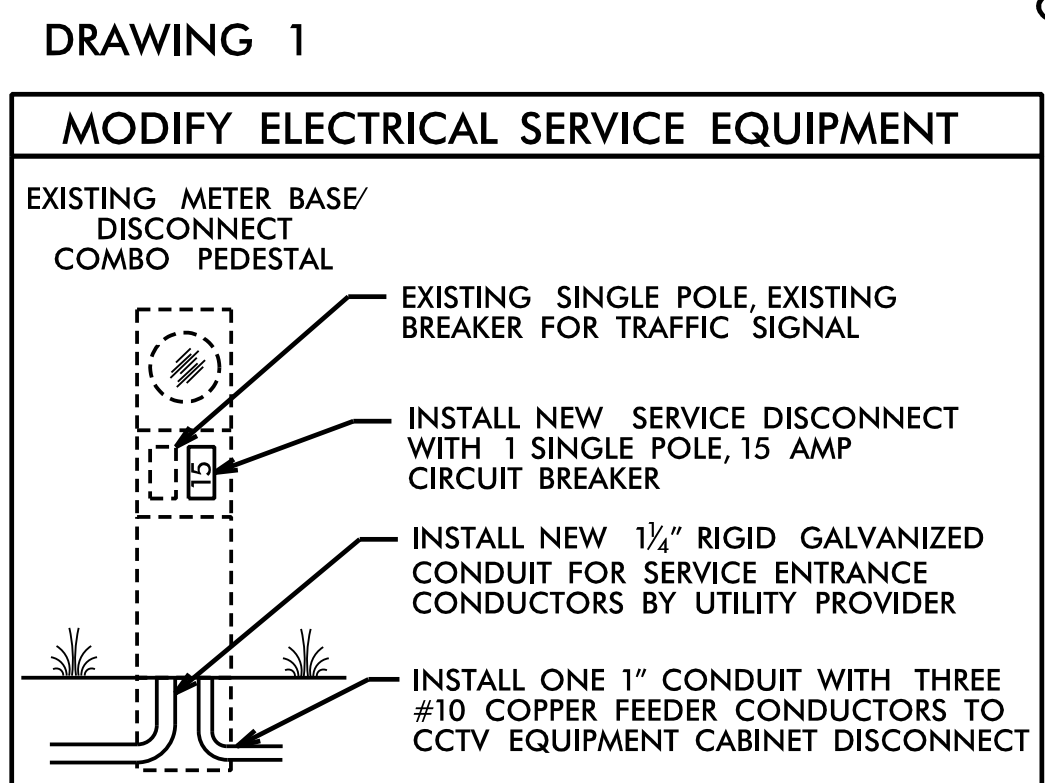
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MATCHLINE - SEE SHEET SCP. 22

MATCHLINE - SEE SHEET SCP. 24

- NOTES:**
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
 2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX/CABINET ENTRANCES.
 3. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SENIOR SIGNAL SYSTEM OPERATOR AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
 4. CONTACT DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO CONFIRM THE LOCATION OF THE CCTV CAMERAS OR DMS.
 5. DO NOT INSTALL CCTV POLE ANY CLOSER THAN SIX (6) FEET FROM THE FACE OF GUARDRAIL.
 6. MOUNT THE CCTV CAMERA 5 FEET BELOW THE TOP OF THE POLE.
 7. DO NOT INSTALL CONDUIT OR JUNCTION BOXES UNTIL THE LOCATION OF THE CCTV CAMERA OR DMS HAS BEEN CONFIRMED BY THE DIVISION 2 TRAFFIC ENGINEER.
 8. INSTALL CONDUITS IN THE SAME TRENCH. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND FIBER-OPTIC CABLE IN THE SAME JUNCTION BOX.
 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MAXIMUM 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 MAXIMUM FAULT CURRENT ON THE STICKER.
 10. AT THE DIRECTION OF THE ENGINEER, PERFORM GRADING AS NEEDED WHERE GUARDRAIL, POLE INSTALLATION AND DMS CONSTRUCTION WORK HAS BEEN PERFORMED.
 11. NCDOT DIVISION 2 WILL FURNISH AND INSTALL THE SIGNAL CELL MODEM. CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 SIX (6) WEEKS PRIOR TO BEGINNING WORK.



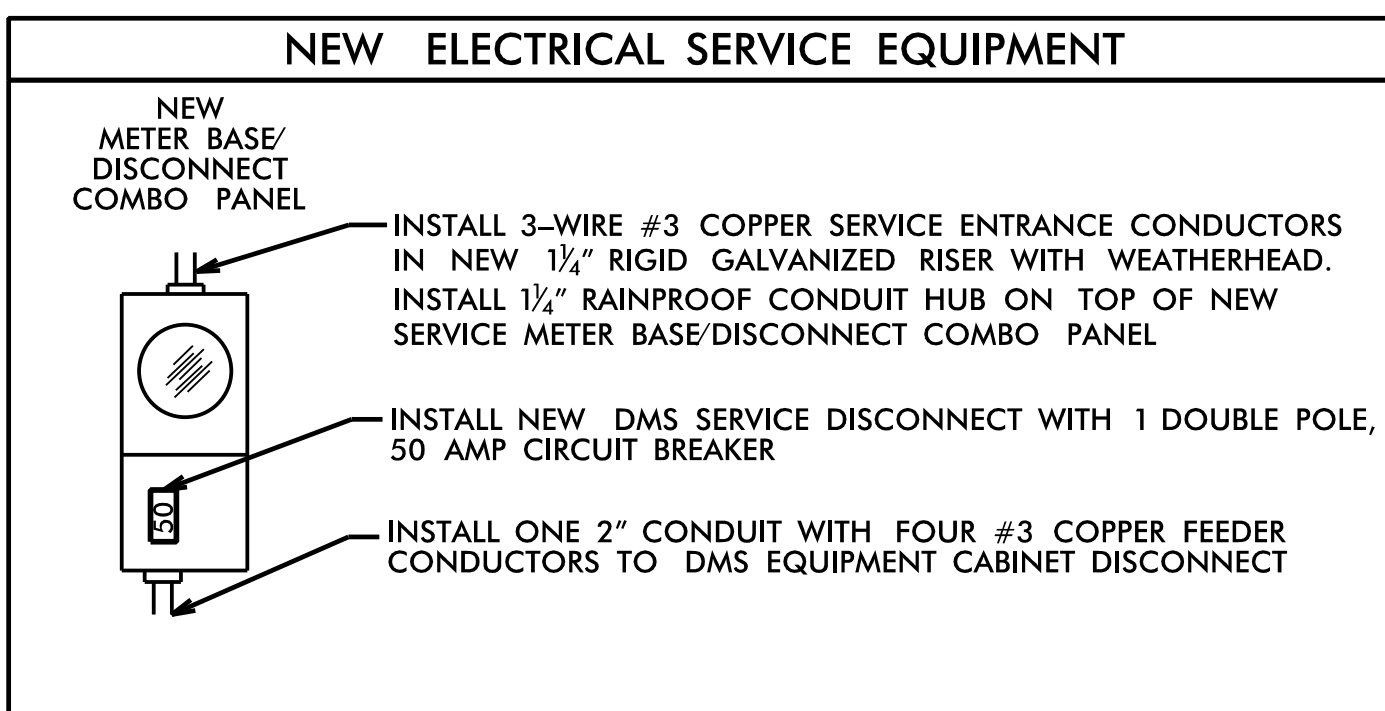
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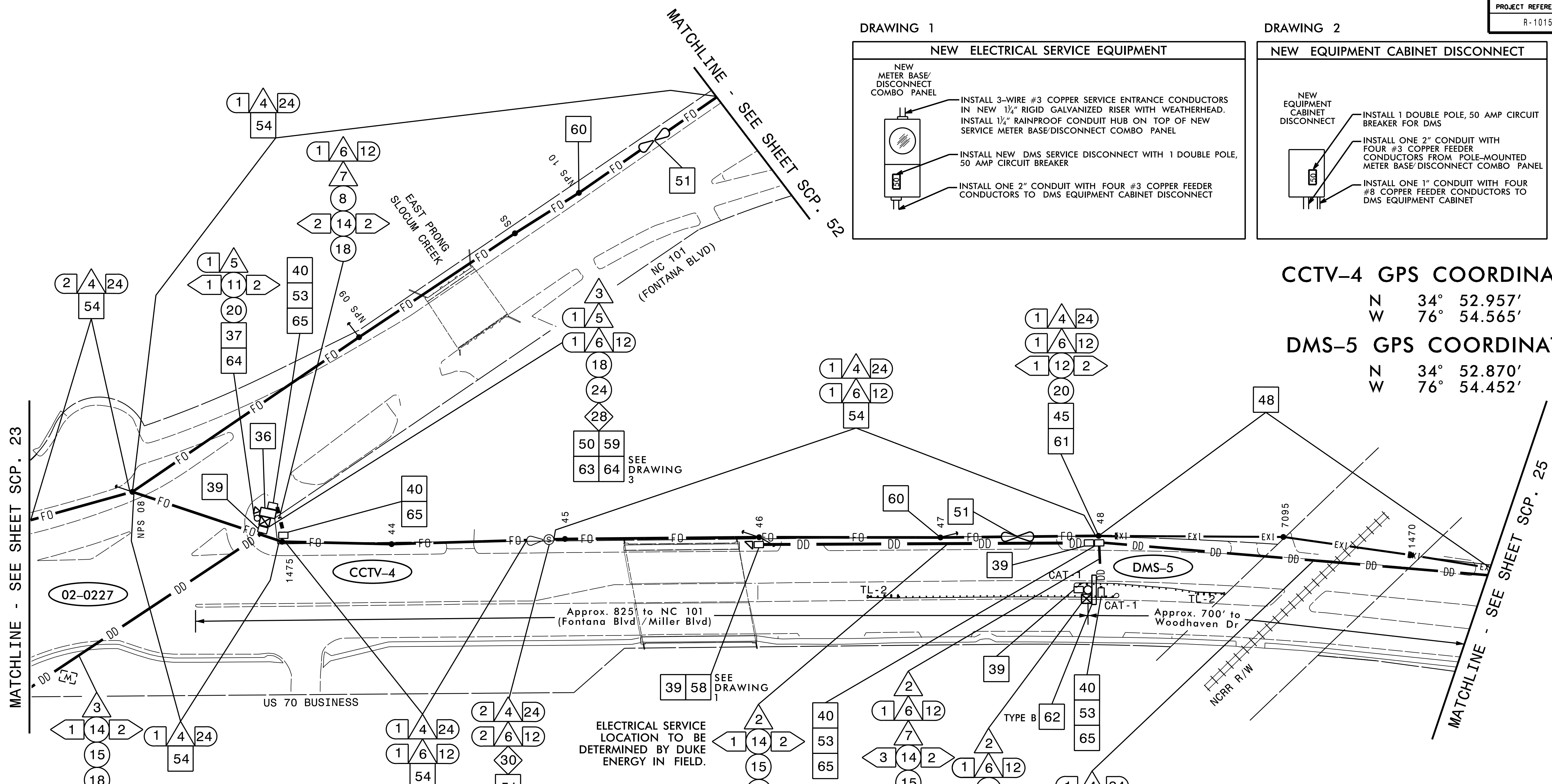
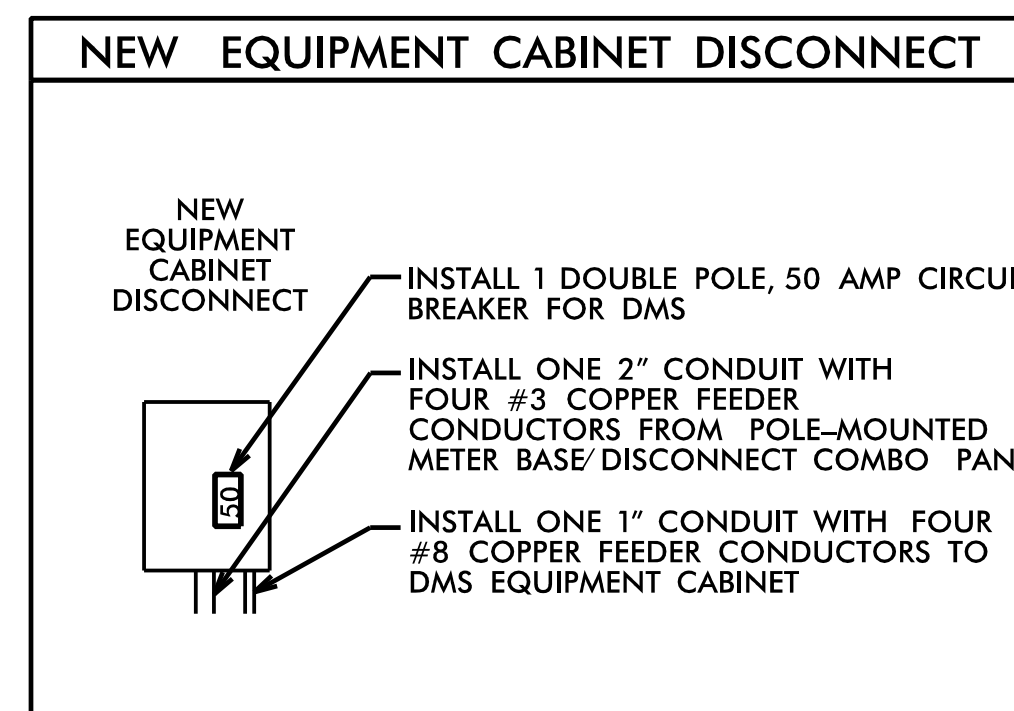
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 (919) 546-8997

	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DESIGNED BY: Natasha R. Simmons 12/7/2018	SEAL NATASHA R. SIMMONS
SCALE 0 50 1"=50'	REVISIONS INIT. DATE	SIGNATURE DATE	CADD File name: R1015 scp 23.dgn

DRAWING 1



DRAWING 2



CCTV-4 GPS COORDINATES

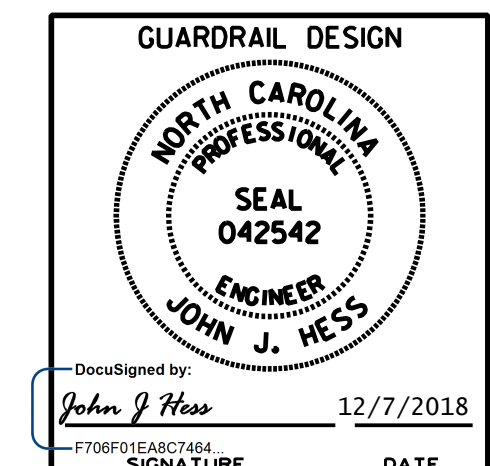
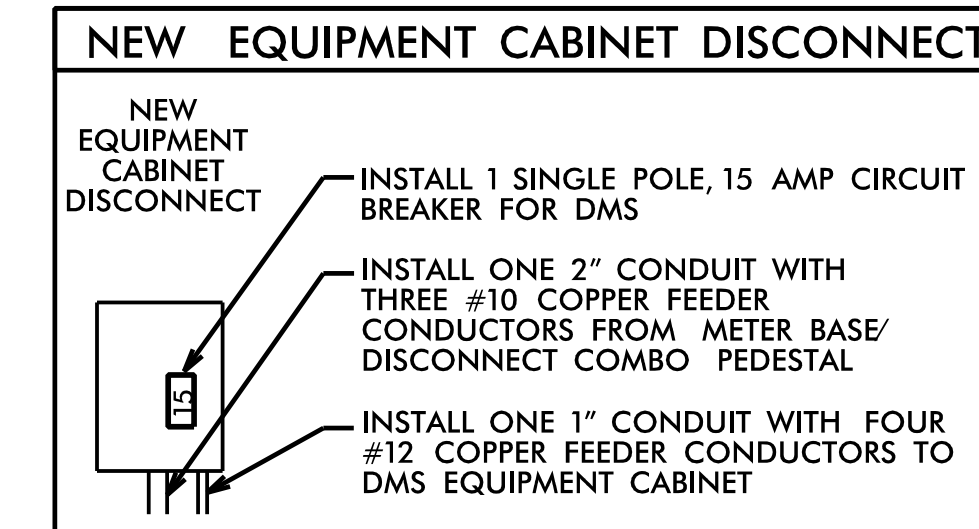
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W 76° 54.565'

DMS-5 GPS COORDINATES

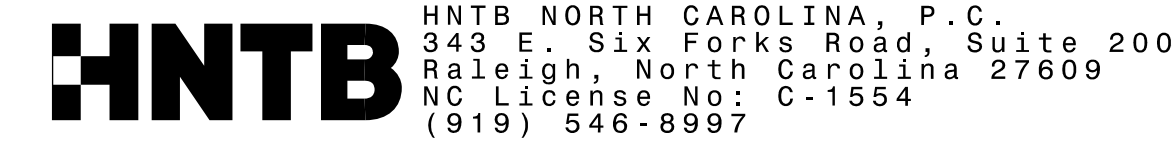
N 34° 52.870'
W 76° 54.452'

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 12. INSTALL TWO (2) INCH CONDUITS IN SIX (6) INCH CONDUIT UNDER RAILROAD TRACKS AT A DEPTH OF FIFTEEN (15) FEET BELOW BASE OF RAIL.
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DRAWING 3

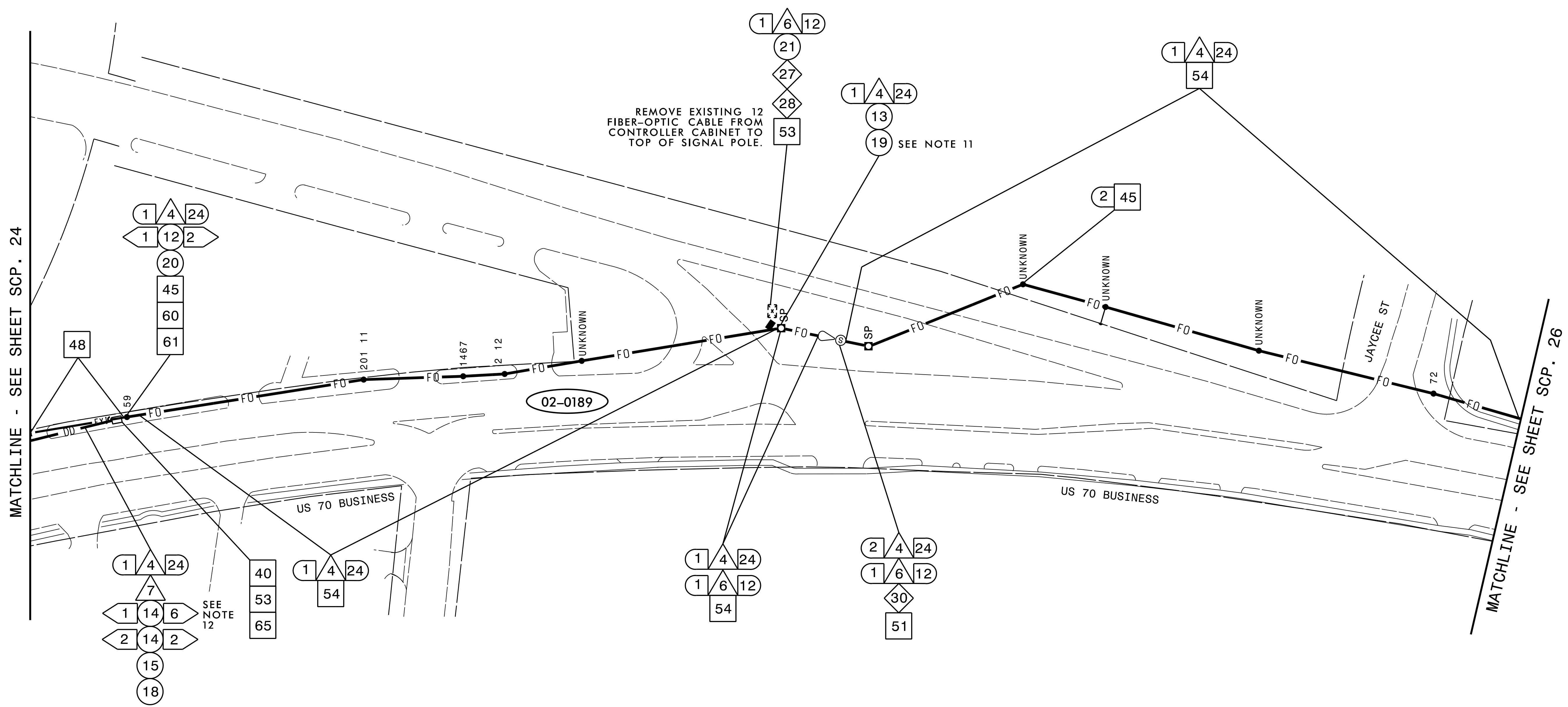


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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	SIGNED BY: Natasha R. Simmons 12/7/2018	DATE
REVISIONS	INIT.	DATE	DATE

CADD Filename: R1015 scp 24.dgn

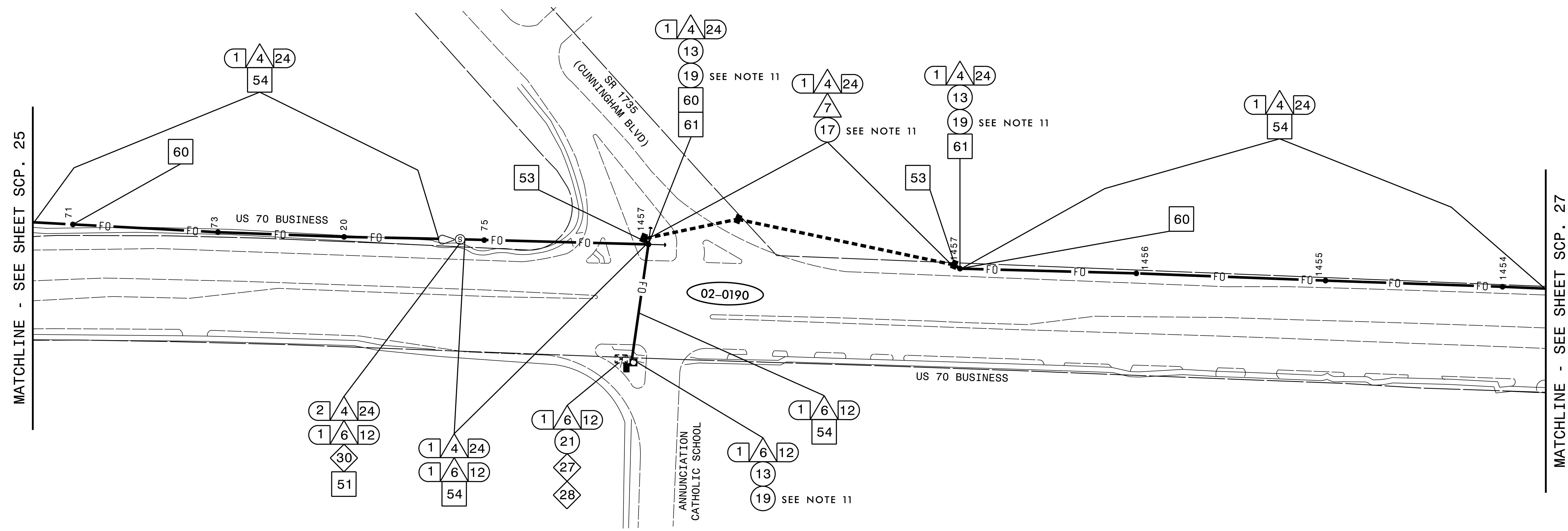


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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	REVISIONS	INIT. DATE
SCALE 0 50 1"=50'		DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL SIGNATURE DATE CADD Filename: R1015 scp 25.dgn	

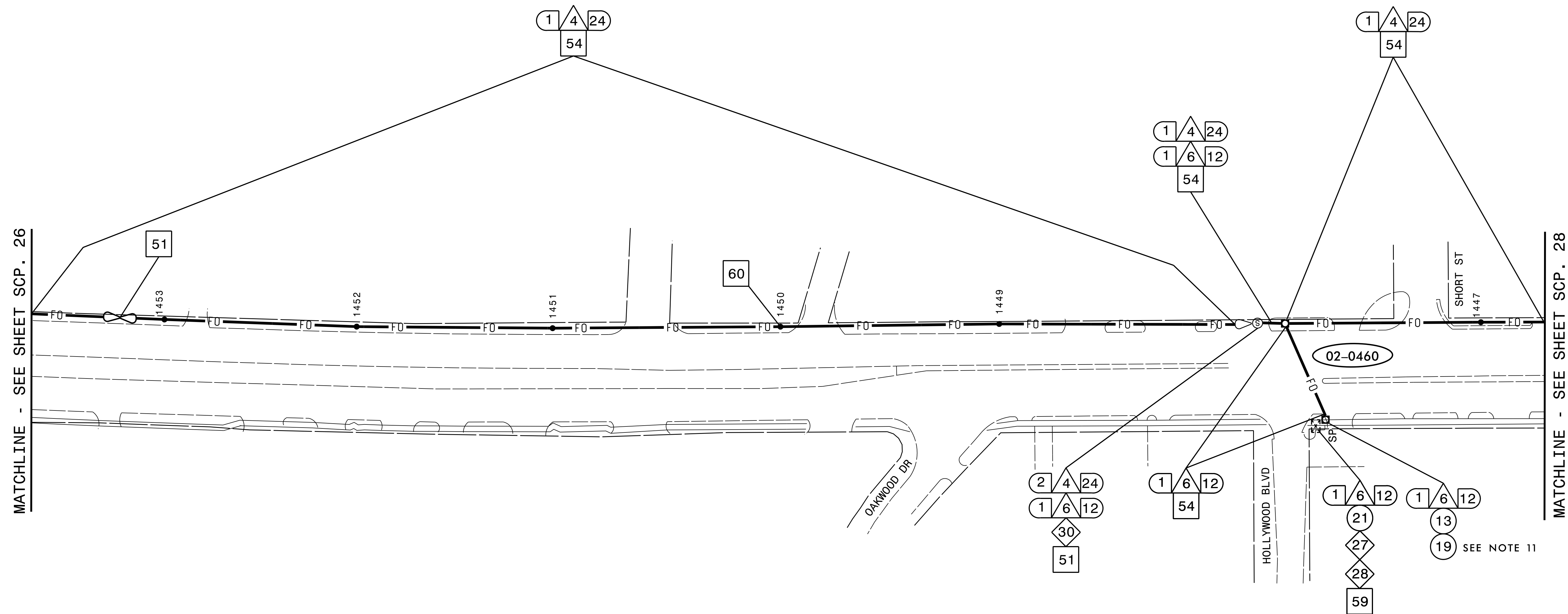


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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
250 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL SIGNATURE DATE
SCALE 0 50 1"=50'	REVISIONS INIT. DATE	REVISIONS INIT. DATE	CADD Filename: R1015 scp 26.dgn


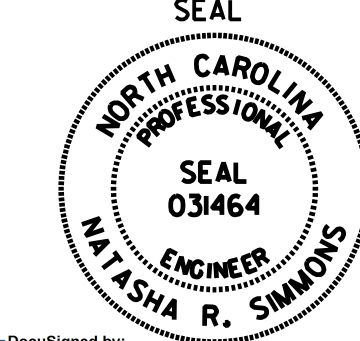


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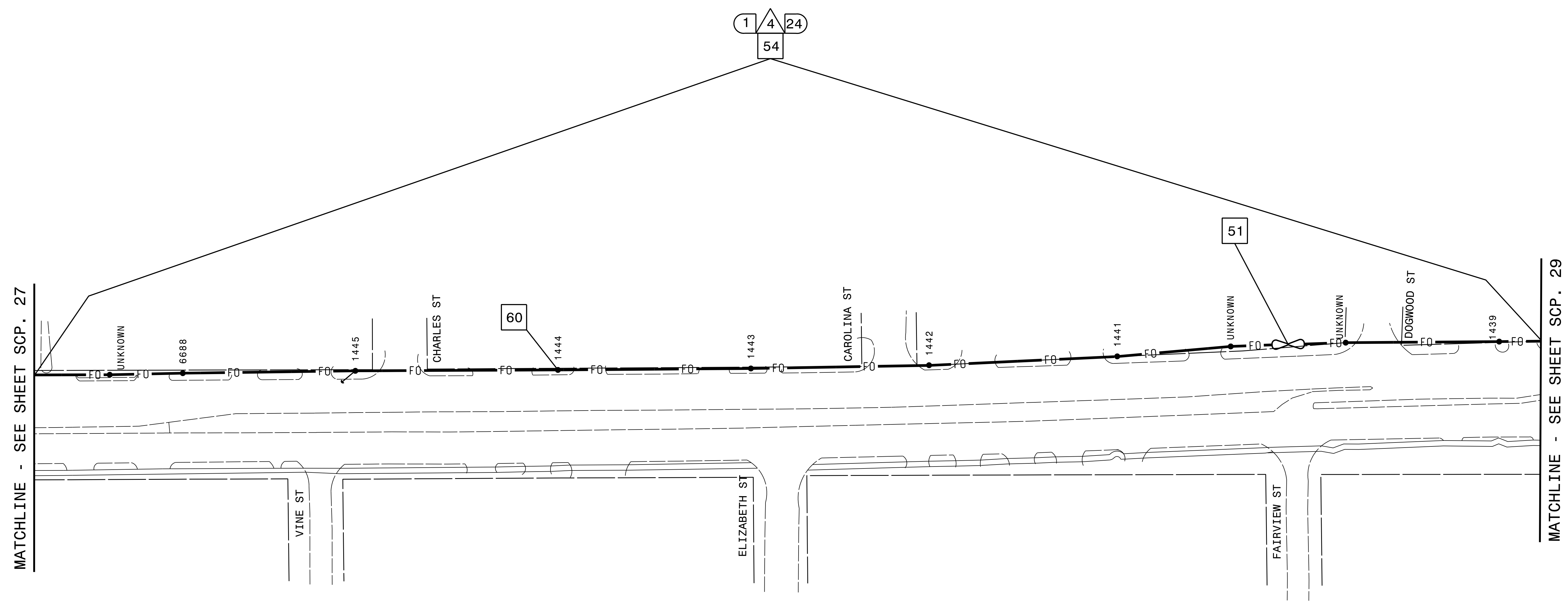
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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		 SEAL NATASHA R. SIMMONS
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 PREPARED BY: N.K. Vlanich REVISIONS: _____ SCALE: 1"=50' 0 50	REVIEWED BY: T.R. Terrell REVIEWED BY: N.R. Simmons INIT. DATE _____ _____	

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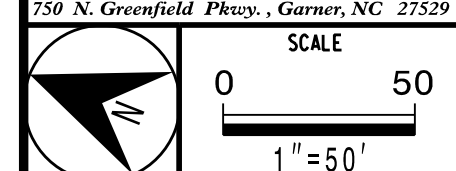
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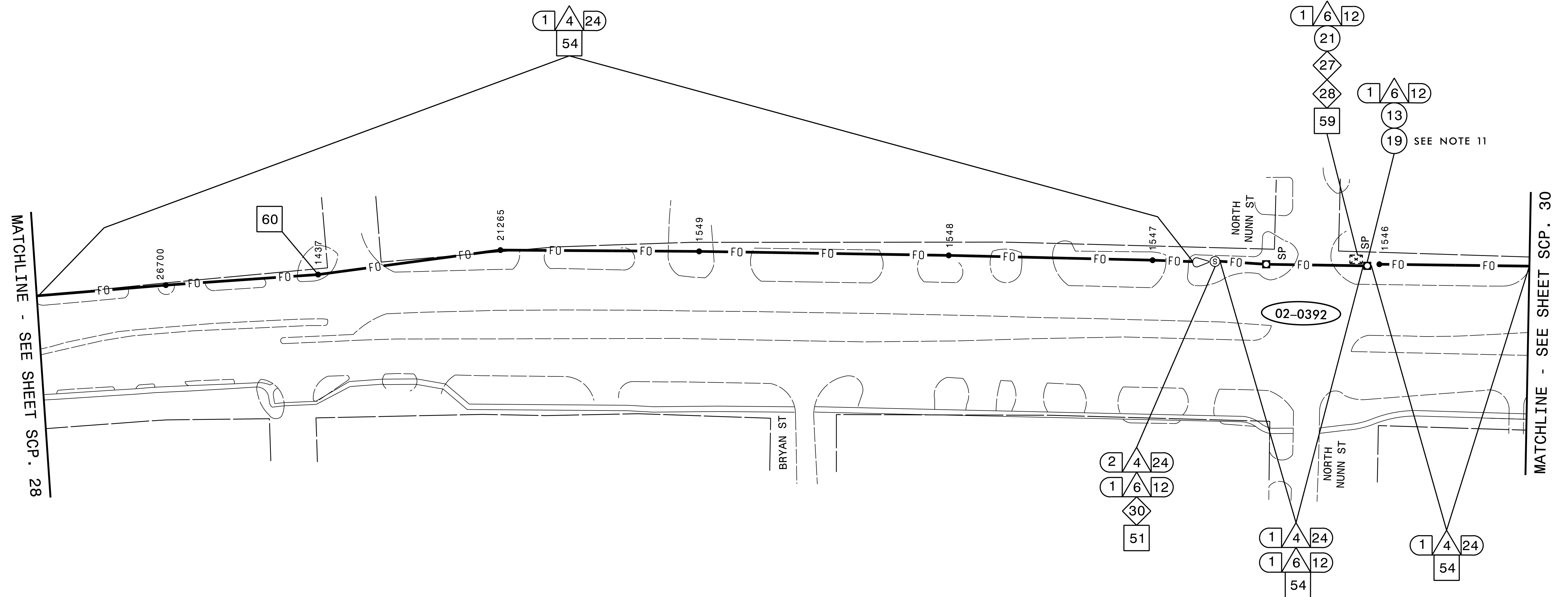
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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER NATASHA R. SIMMONS
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
750 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 FE0486DF3AD45A SIGNATURE DATE CADD Filename: R1015 scp. 28.dgn





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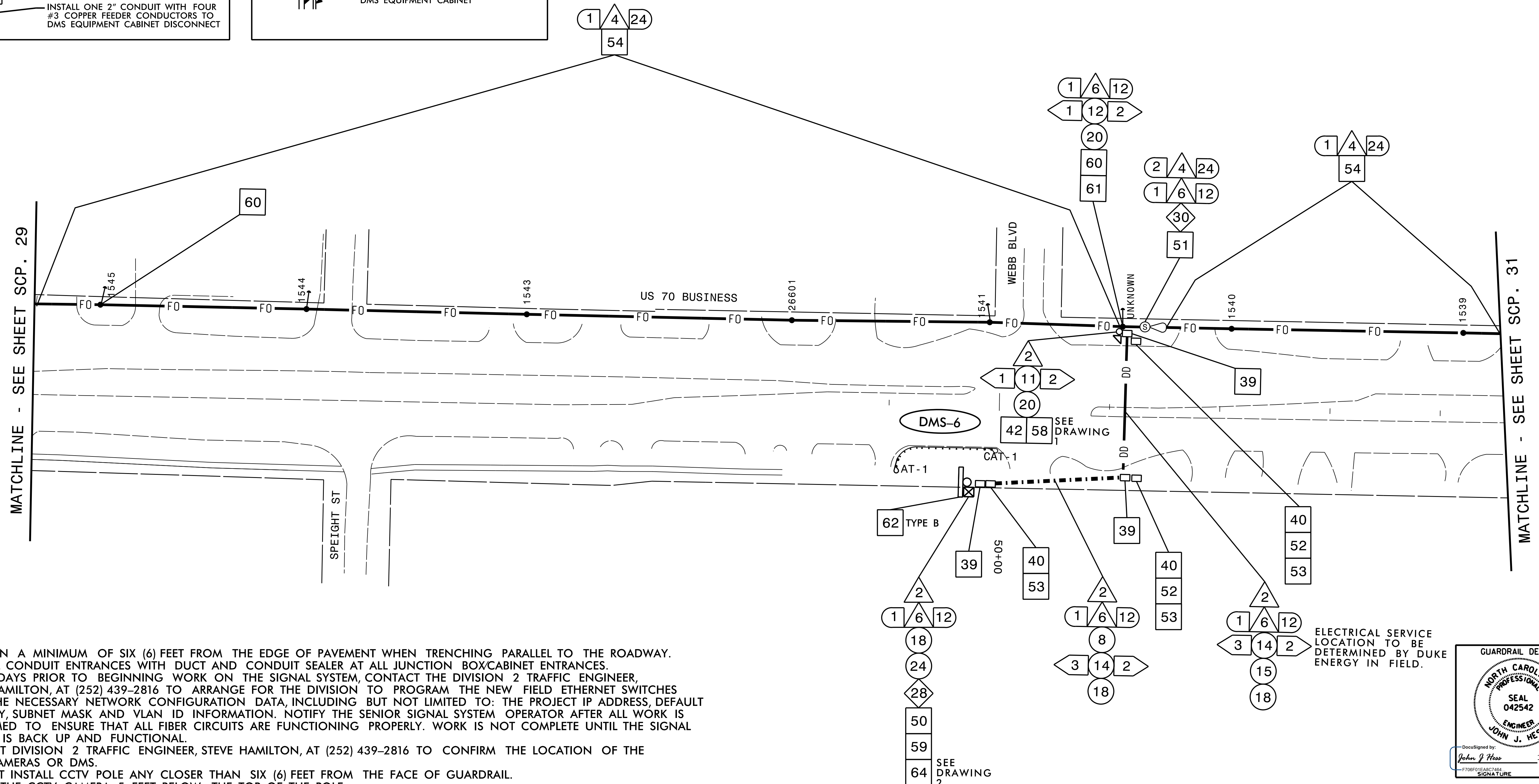
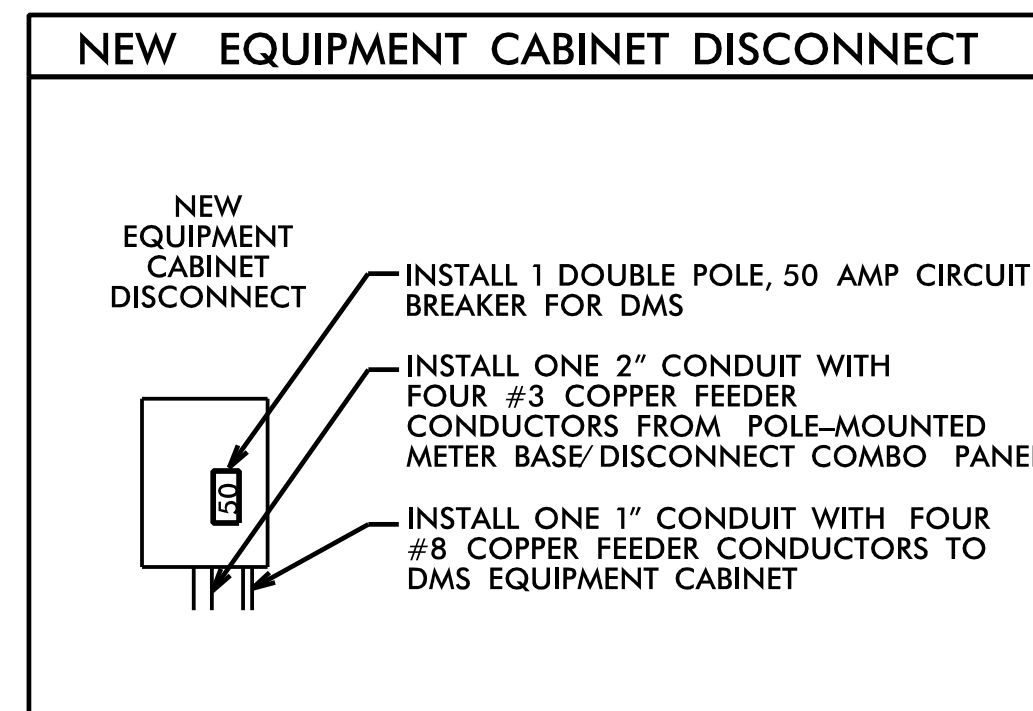
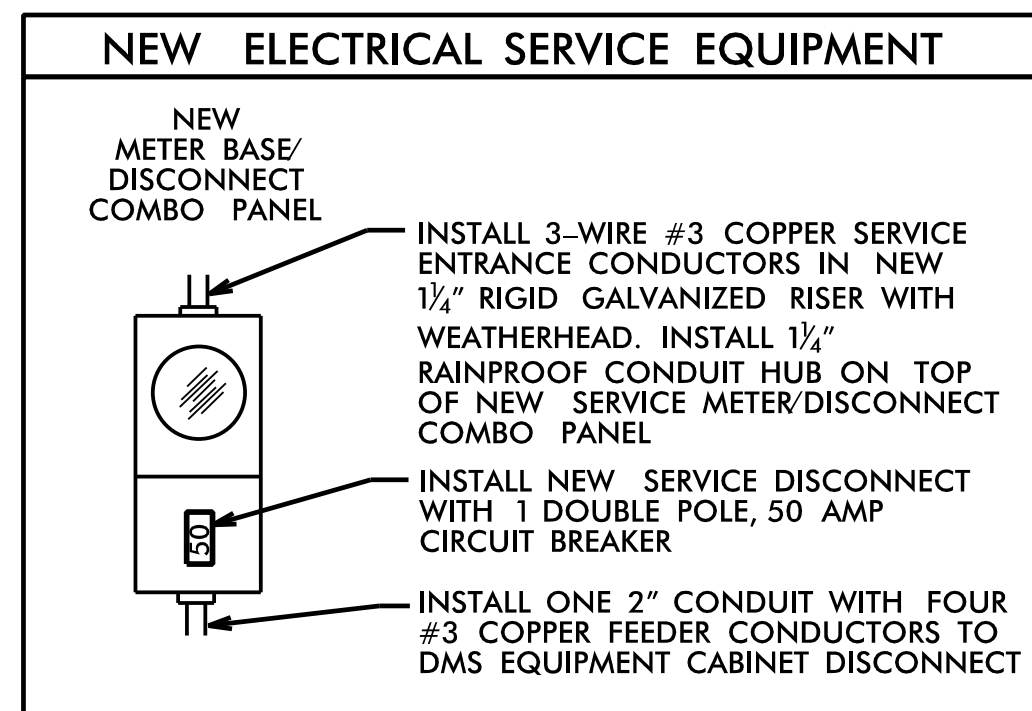
	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
REVISIONS	INIT.	DATE	
Notarized by: <i>Notasha R. Simmons</i> 12/7/2018			
CADD Filename: R1015 scp. 29.dgn			

DRAWING 1

DRAWING 2

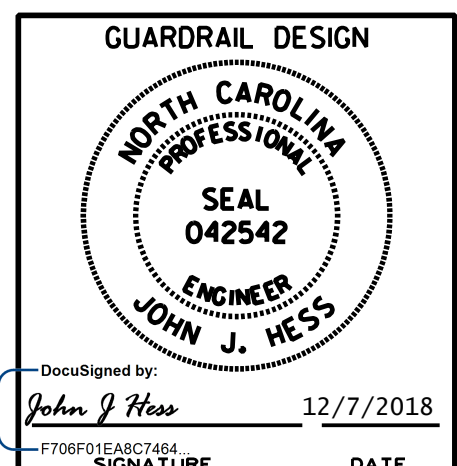
DMS-6 GPS COORDINATES

N 34° 51.384'
W 76° 53.515'

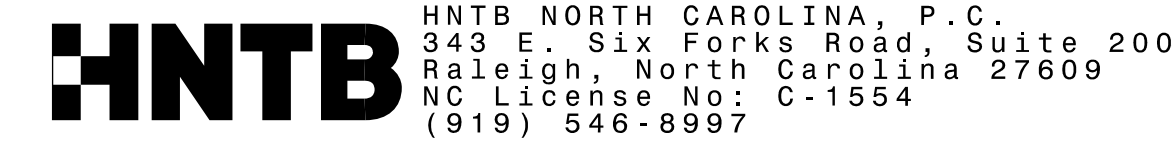


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ELECTRICAL SERVICE LOCATION TO BE DETERMINED BY DUKE ENERGY IN FIELD.



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Plans Prepared for:

US 70 HAVELOCK BYPASS CABLE ROUTING PLAN

Division 02 Craven Co. Havelock

PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell

PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

250 N. Greenfield Pkwy., Garner, NC 27529

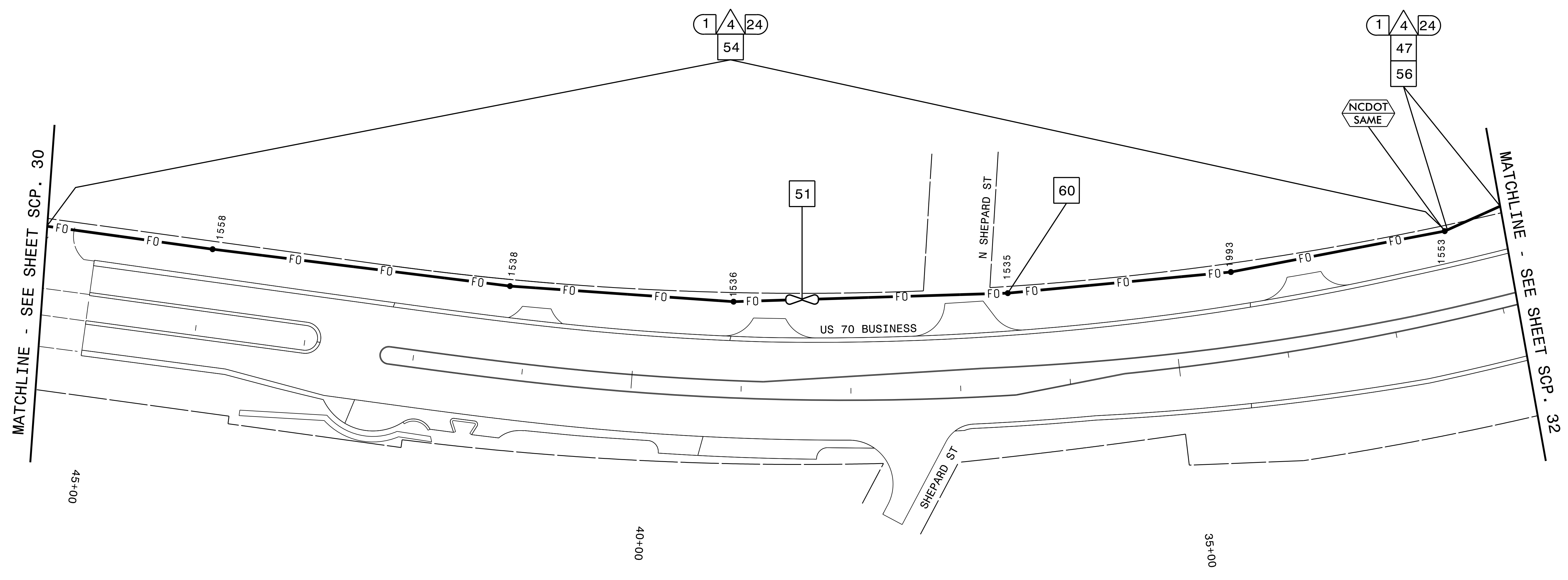
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REVISIONS: INIT. DATE

DocuSigned by: Natasha R. Simmons 12/7/2018

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031464 NATASHA R. SIMMONS

CADD Filename: R1015 scp. 30.dgn



- NOTES:
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 2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX/CABINET ENTRANCES.
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GUARDRAIL DESIGN

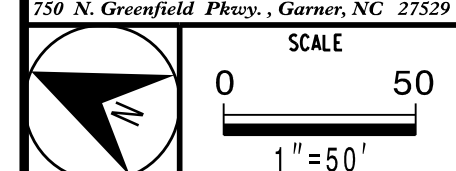
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SIGNATURE DATE

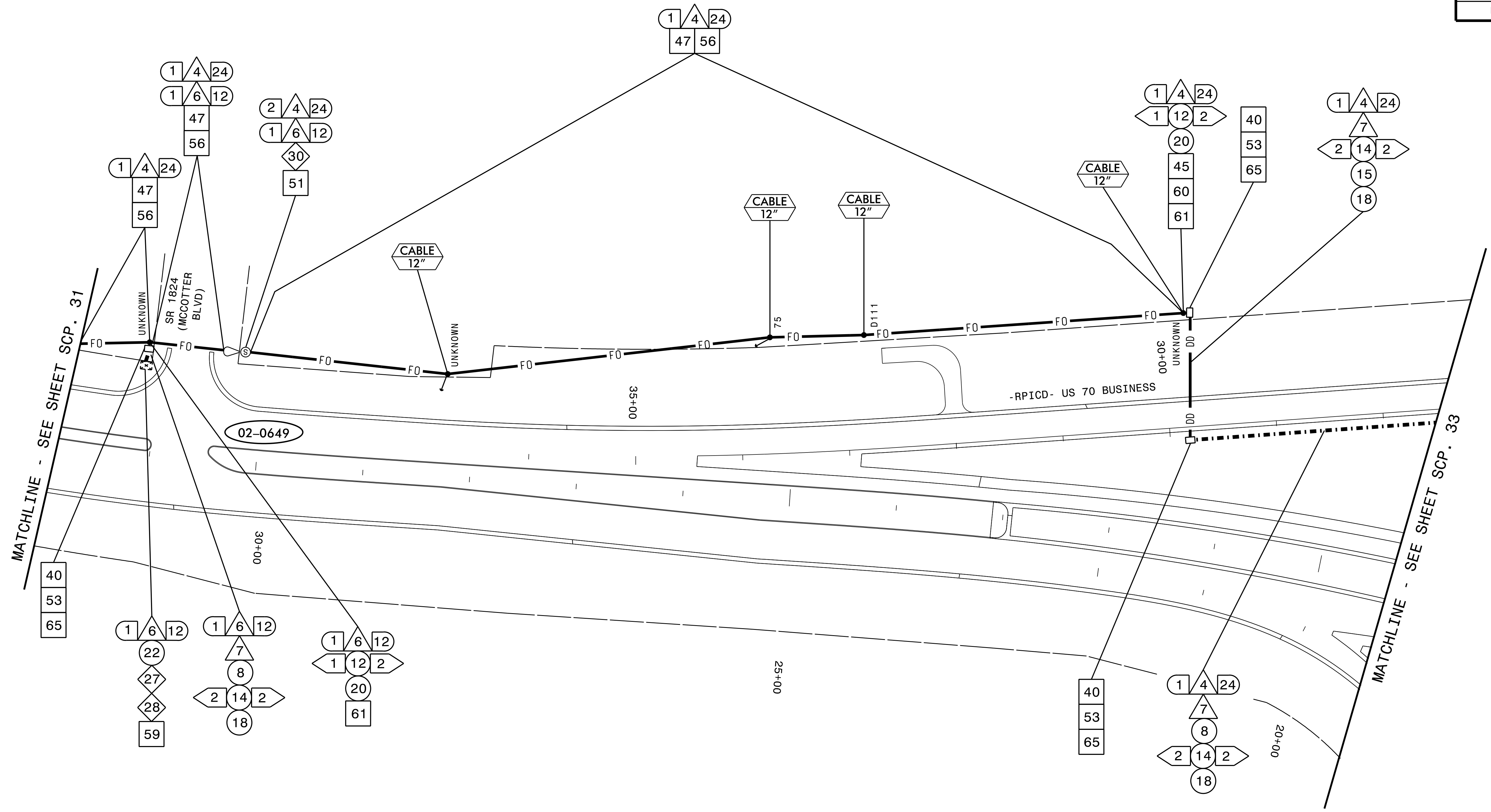
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Plans Prepared for: 250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018 PREPARED BY: N.K. Vlanich	REVIEWED BY: T.R. Terrell REVIEWED BY: N.R. Simmons		
REVISIONS INIT. DATE			
DocuSigned by: Natasha R. Simmons 12/7/2018 F0DABDF3AD4454 SIGNATURE DATE			CADD File name: R1015 scp 31.dgn

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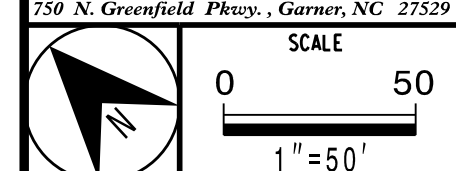
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250 N. Greenfield Place - Garner, NC 27529

US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons
REVISIONS	INIT. DATE

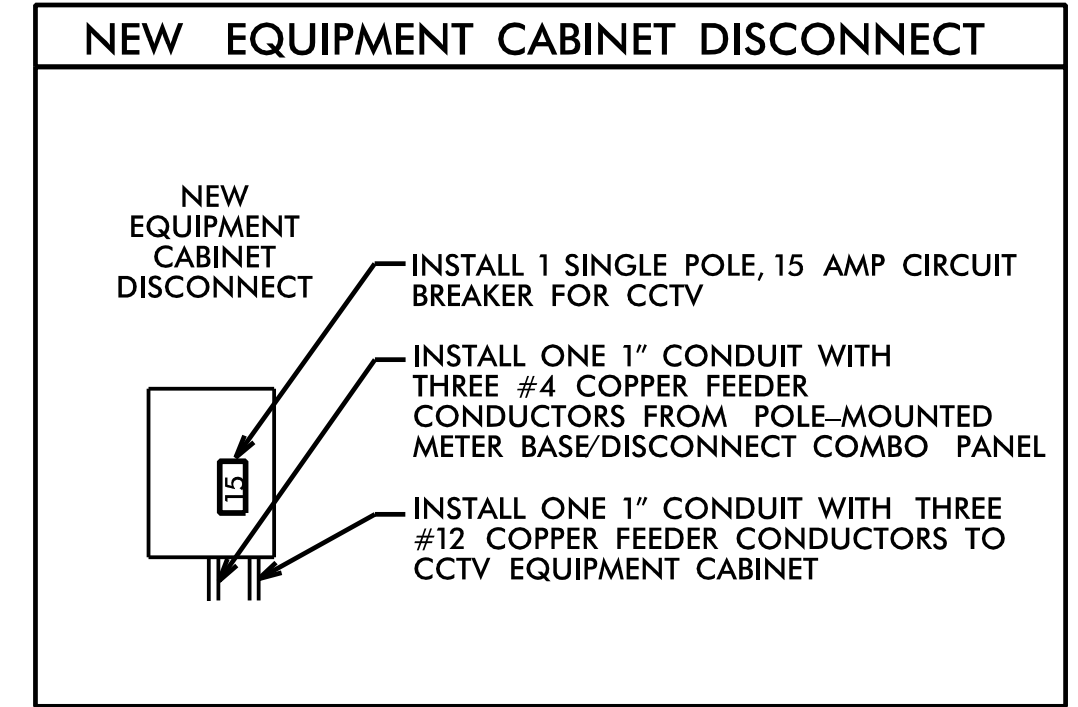
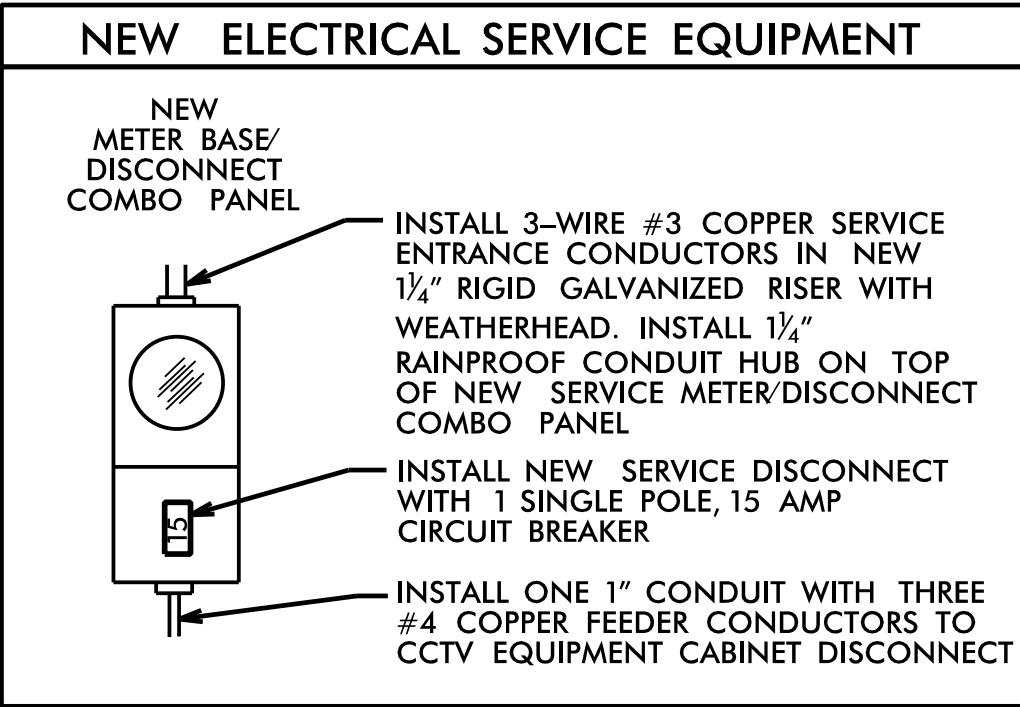
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Notasha R. Simmons 12/7/2018
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DRAWING 1

DRAWING 2

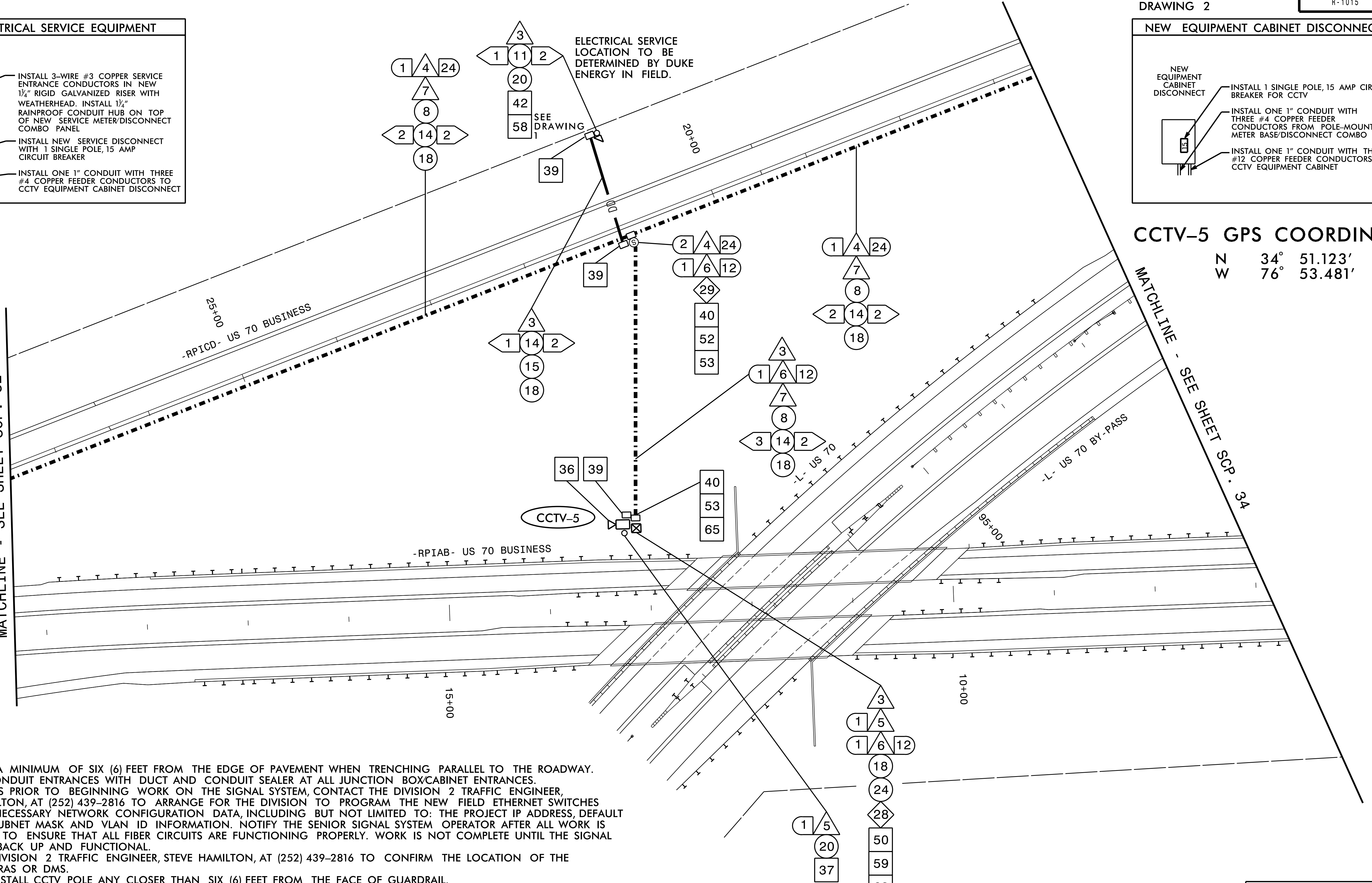


MATCHLINE - SEE SHEET SCP. 32

MATCHLINE - SEE SHEET SCP. 34

CCTV-5 GPS COORDINATES

N 34° 51.123'
W 76° 53.481'



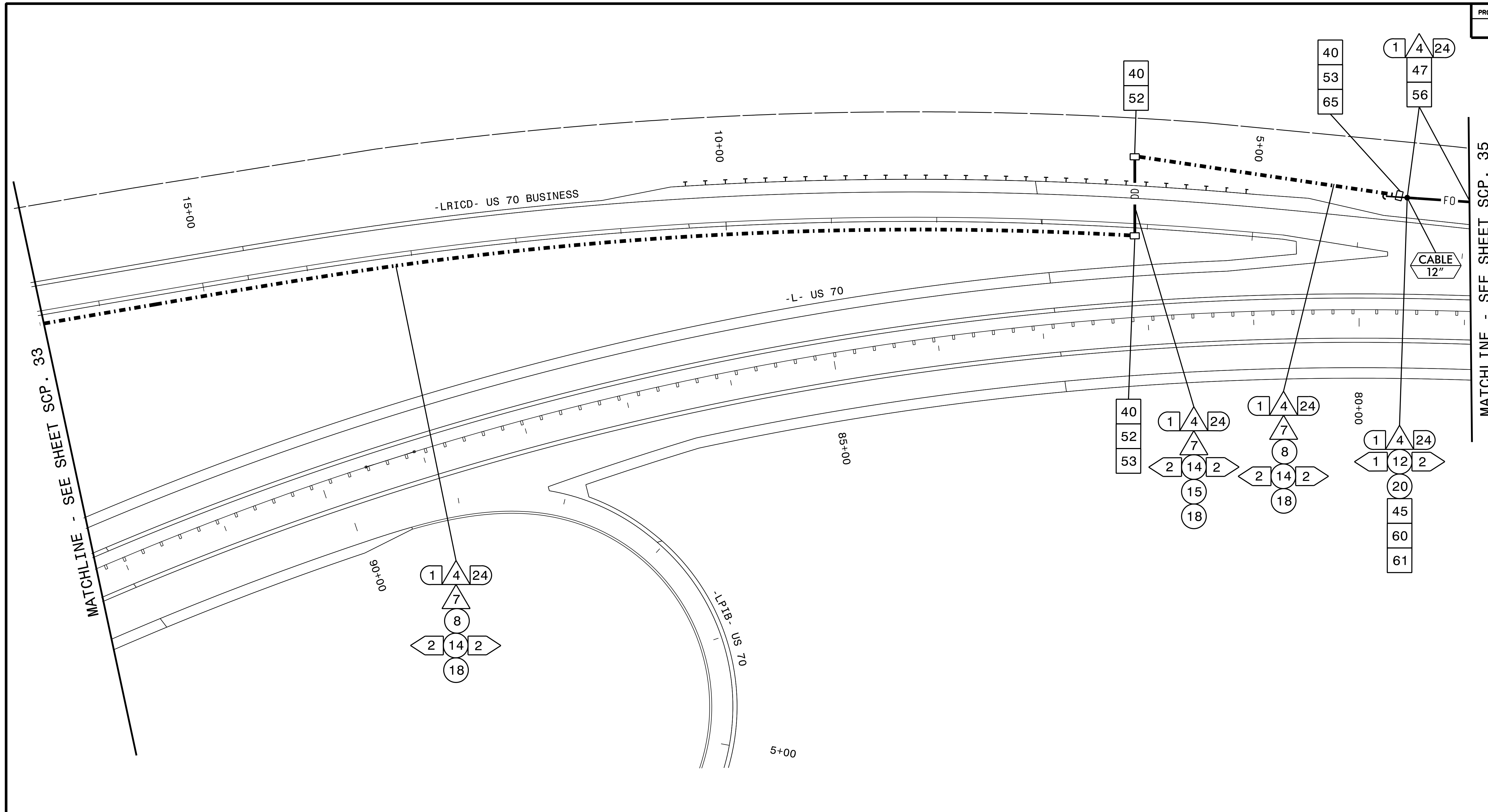
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	<p>US 70 HAVELOCK BYPASS CABLE ROUTING PLAN</p>										
	<p>Division 02 Craven Co. Havelock</p>	<p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p>		<p>PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons</p>							
<p>250 N. Greenfield Place, Garner, NC 27529</p>	<p>SCALE 0 50 1"=50'</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DESCRIPTION	INIT.	DATE					<p>DocuSigned by: Natasha R. Simmons 12/7/2018 FEDABDF34454 SIGNATURE DATE CADD Filename: R1015 scp.33.dgn</p>
NO.	DESCRIPTION	INIT.	DATE								



MATCHLINE - SEE SHEET SCP. 35

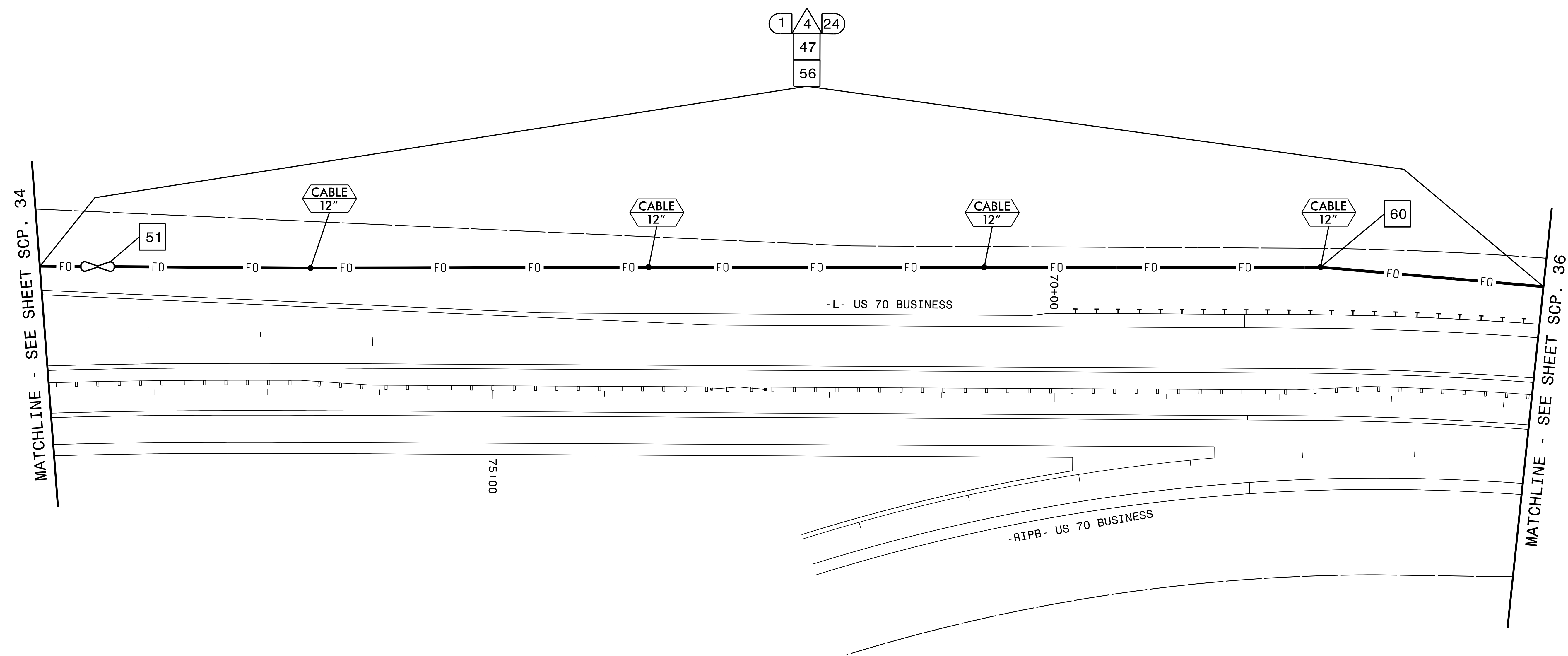
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 Plans Prepared for: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER NATASHA R. SIMMONS
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 PREPARED BY: N.K. Vlanich	REVIEWED BY: T.R. Terrell REVIEWED BY: N.R. Simmons	



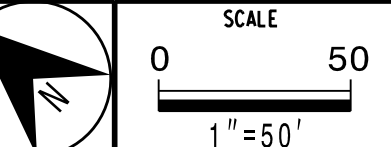


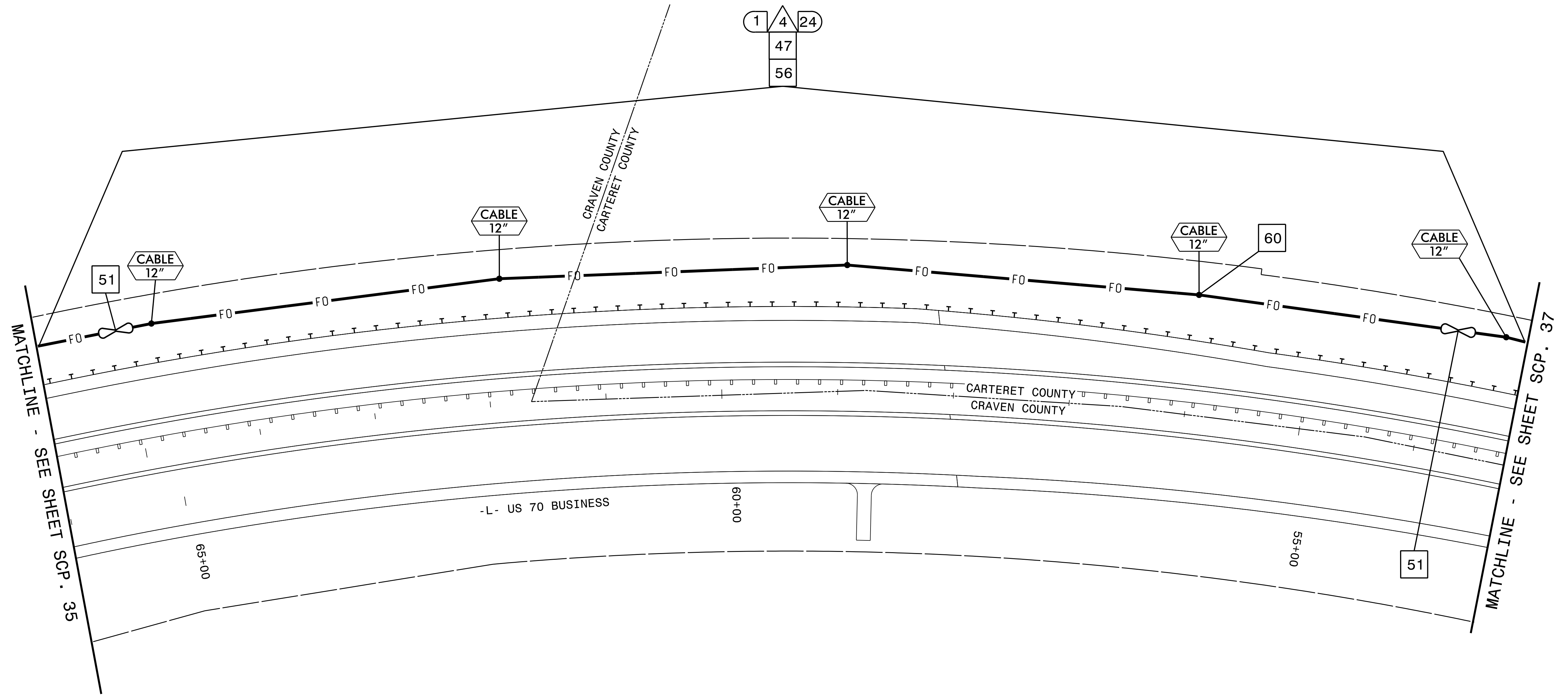
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN							
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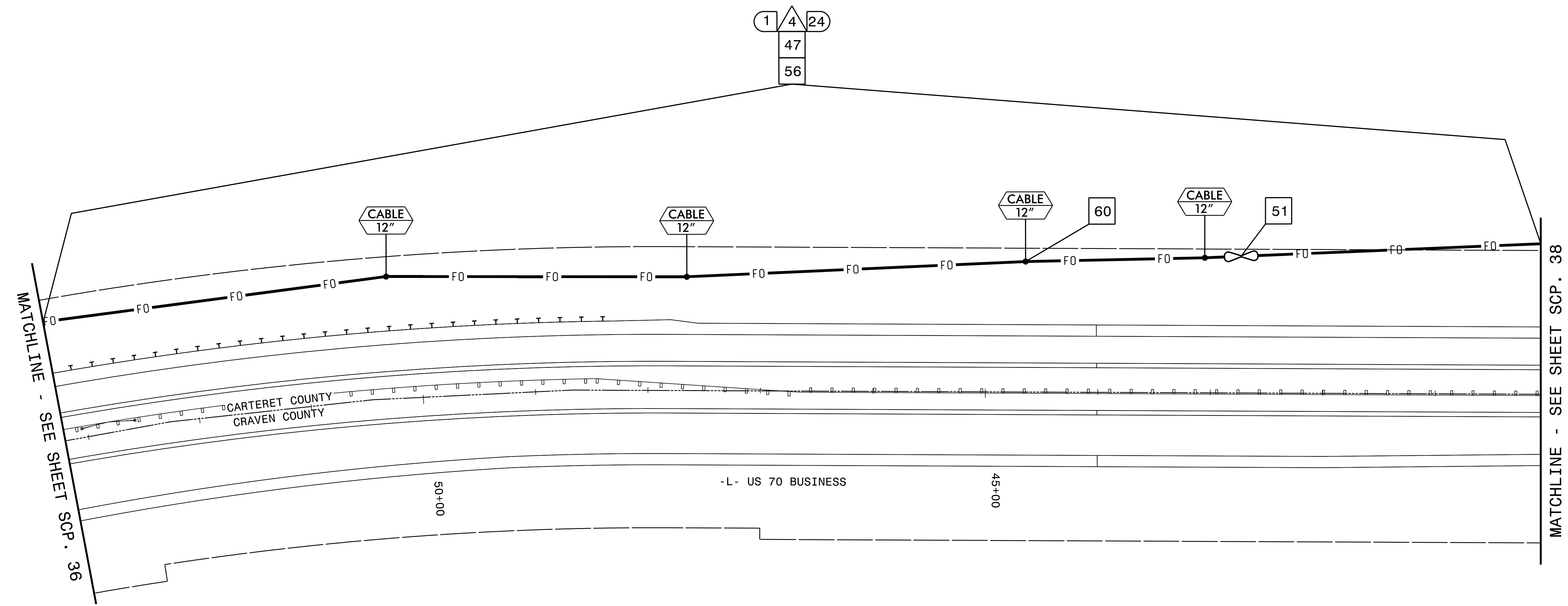
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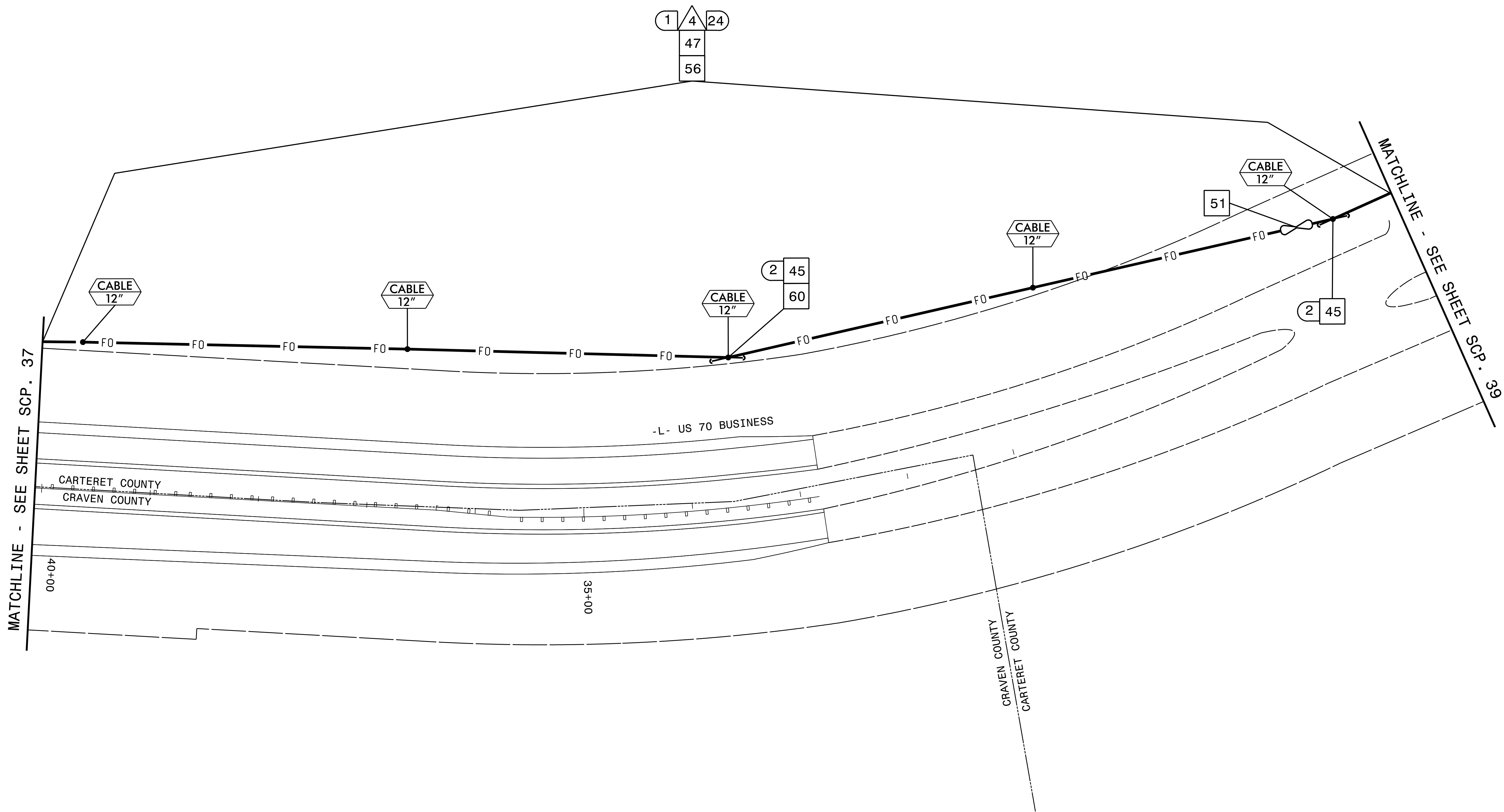
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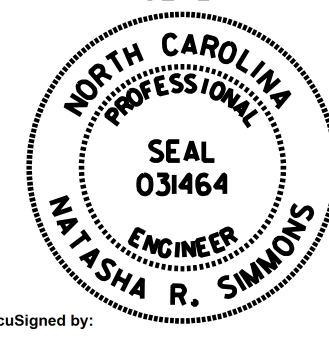
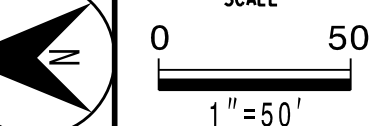
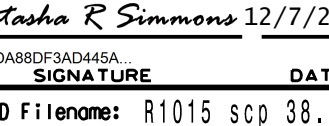


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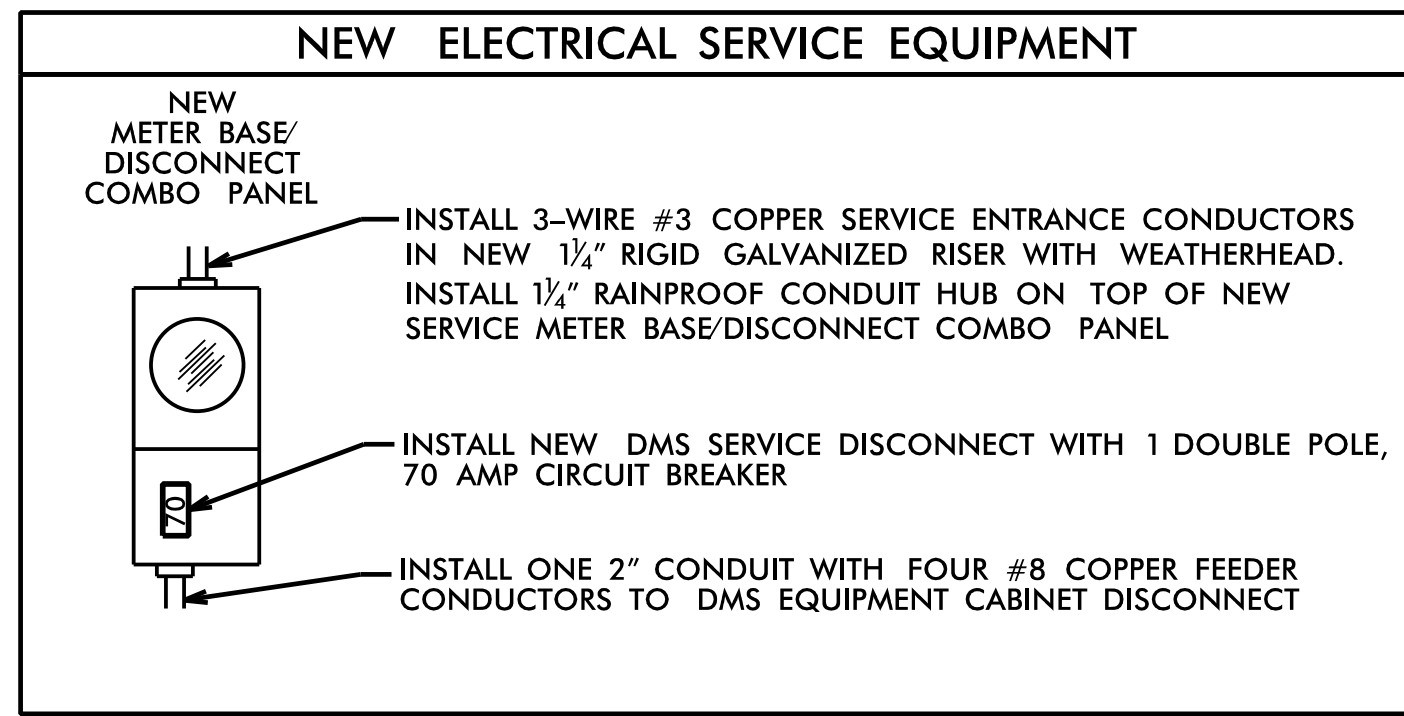
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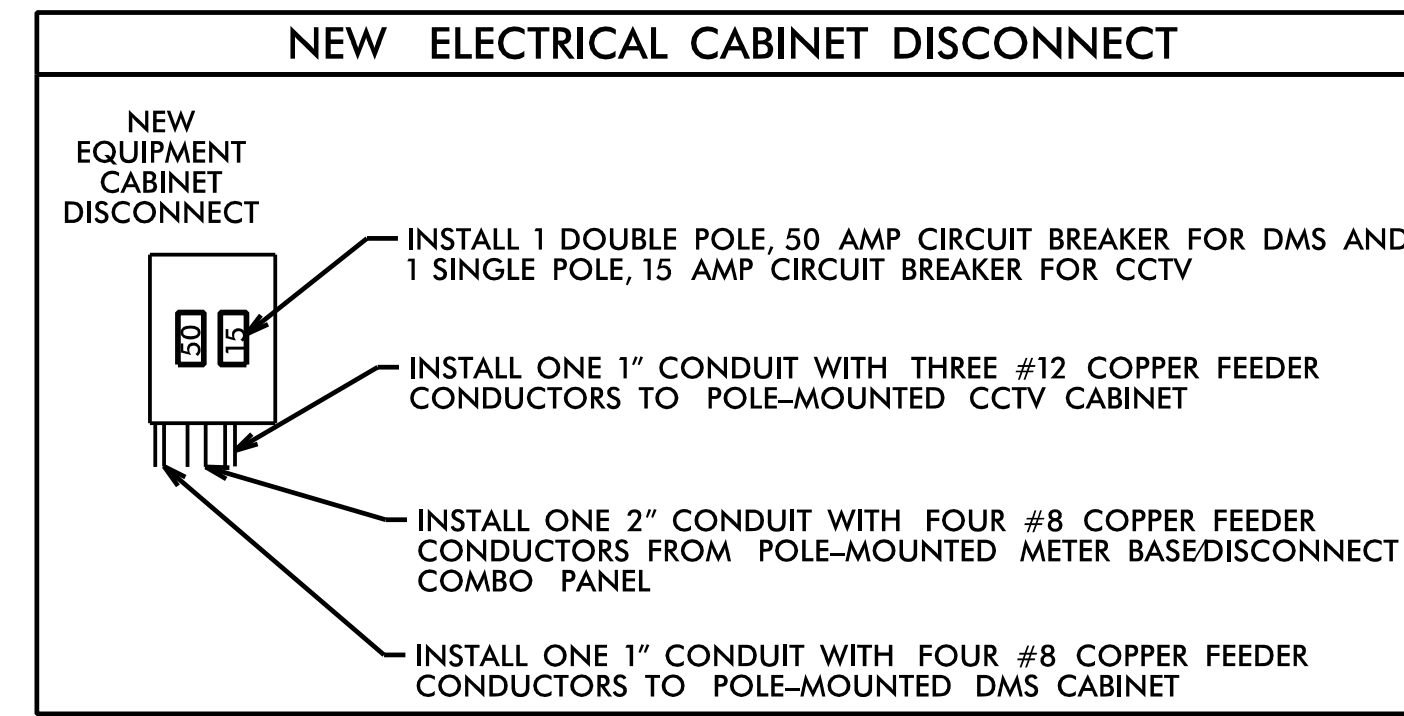
HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		SEAL  ENGINEER NATASHA R. SIMMONS							
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS <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			
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SCALE  0 50 1"=50'	DocuSigned by: Natasha R. Simmons 12/7/2018 FID480F34D454 SIGNATURE DATE CADD Filename: R1015_scp_38.dgn		SEAL 							

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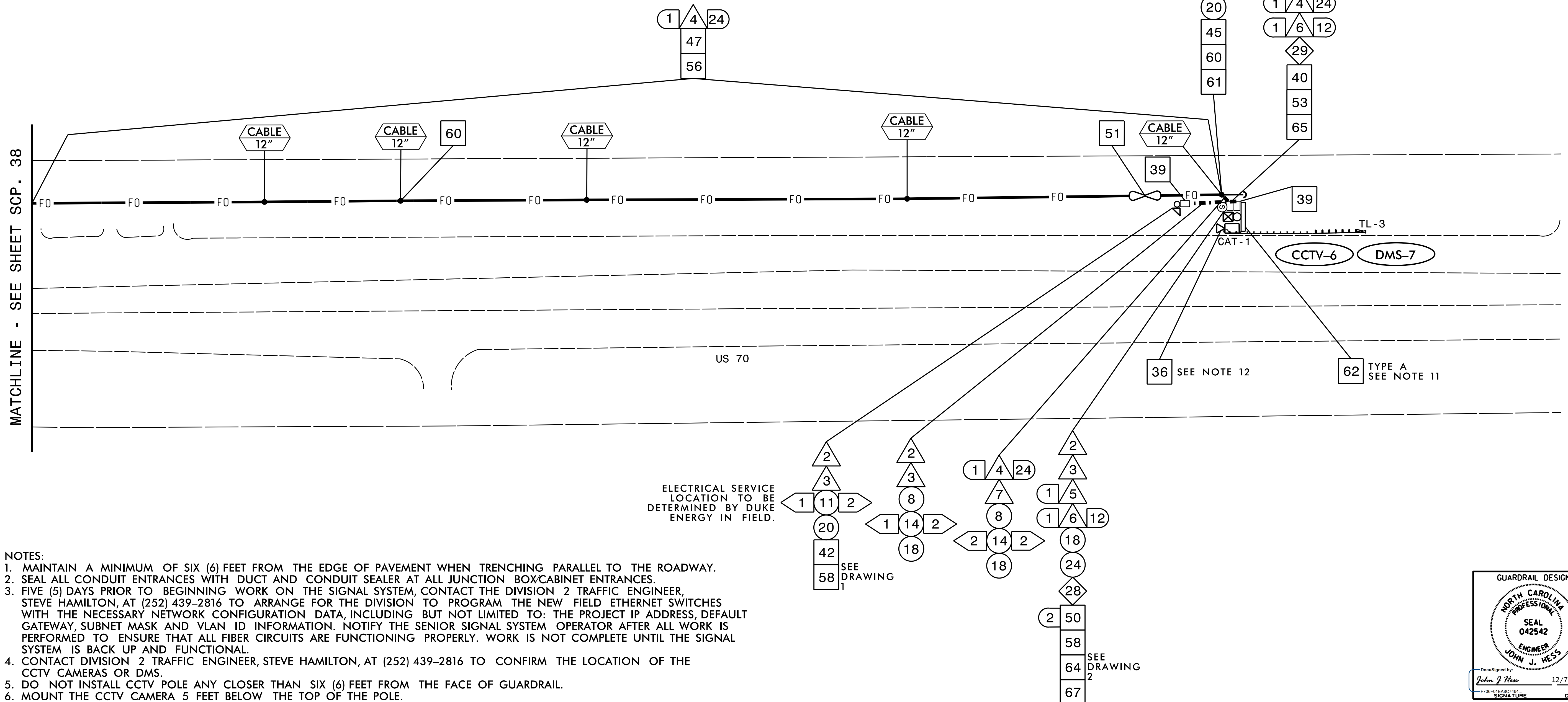


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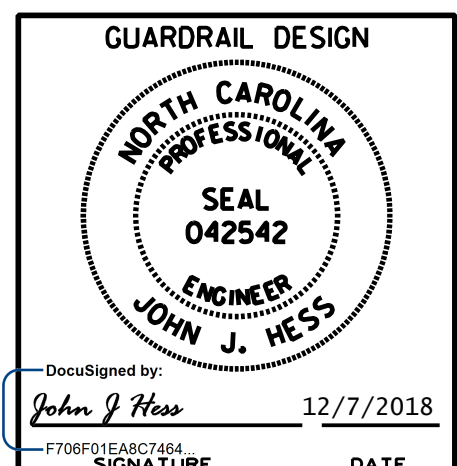
CCTV-6 /DMS-7 GPS COORDINATES

N 34° 49.970'
W 76° 52.788'



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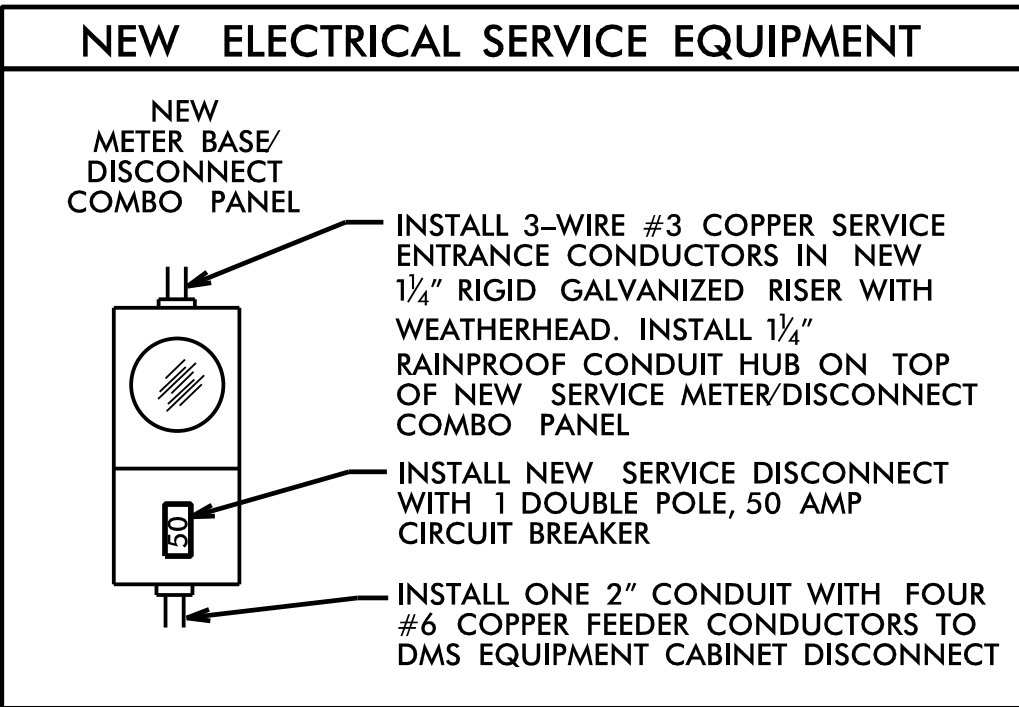
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- INSTALL A NEW DMS WALKWAY, LADDER, AND POLE-MOUNTED CABINET ON THE NEW DMS STRUCTURE.
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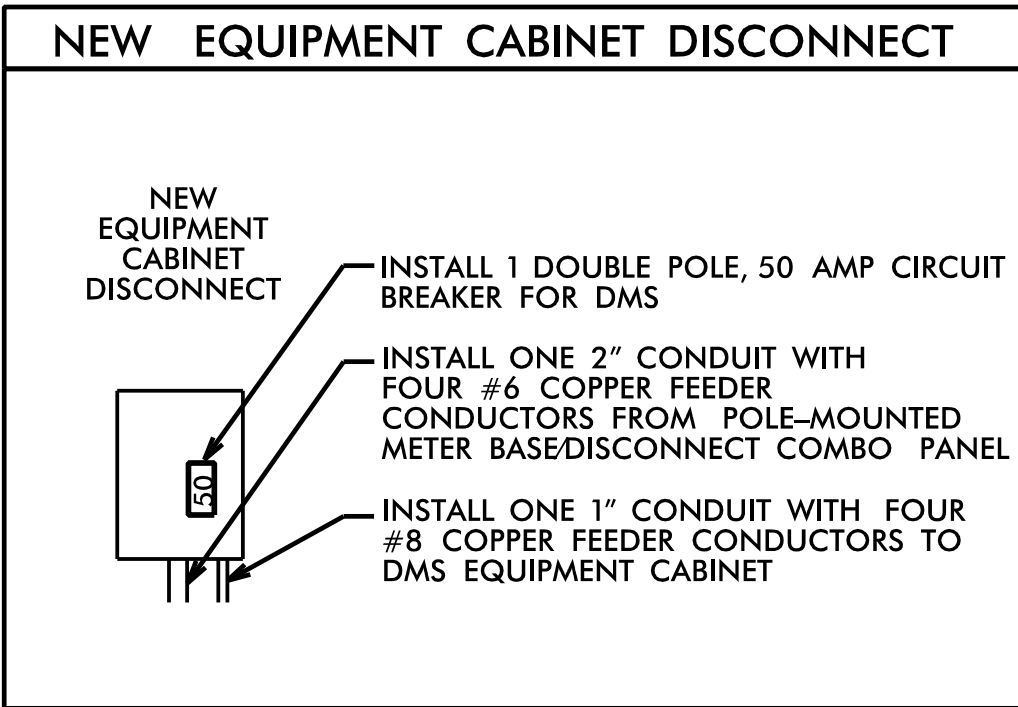
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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS INIT. DATE _____ _____	
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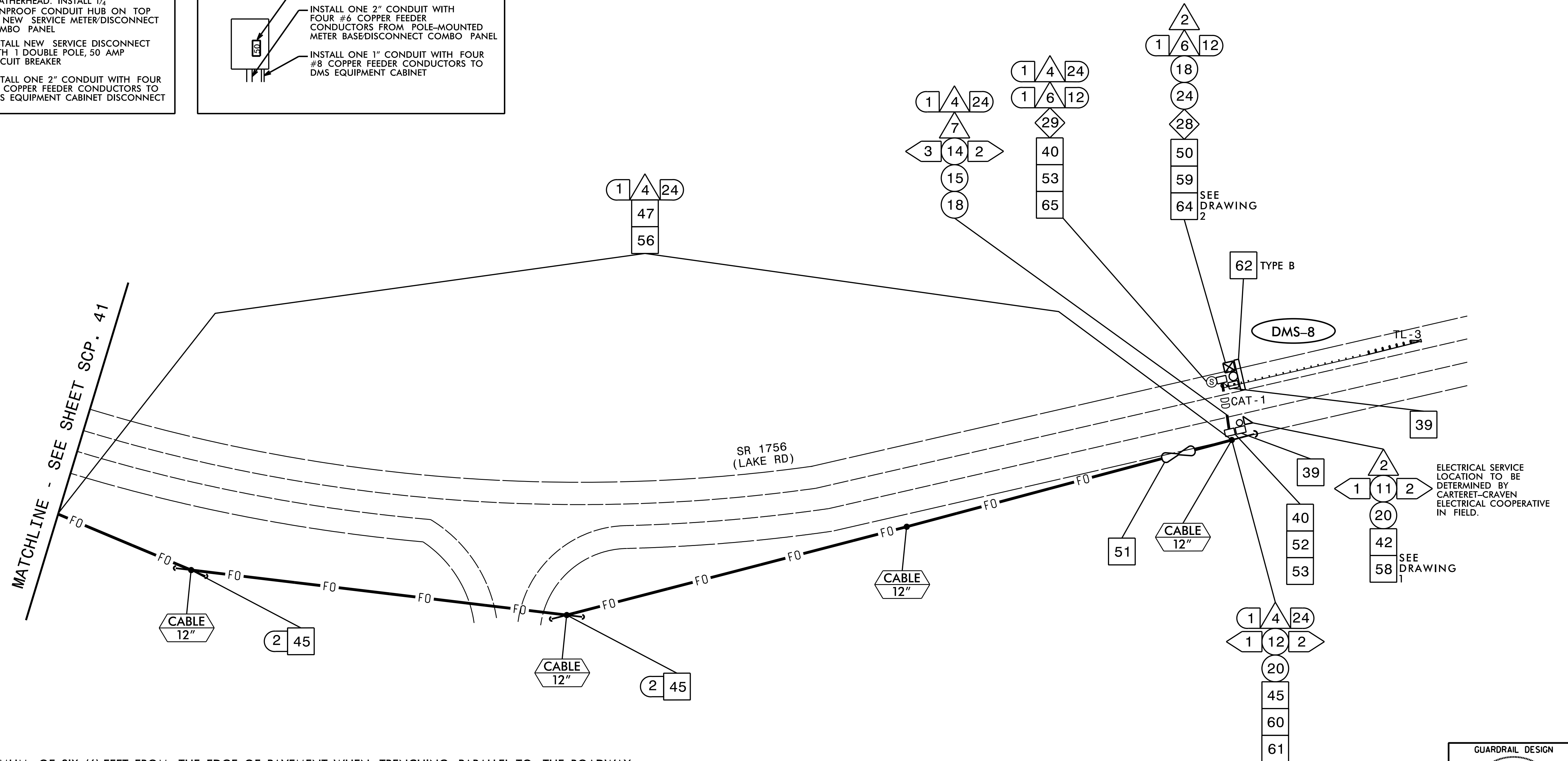


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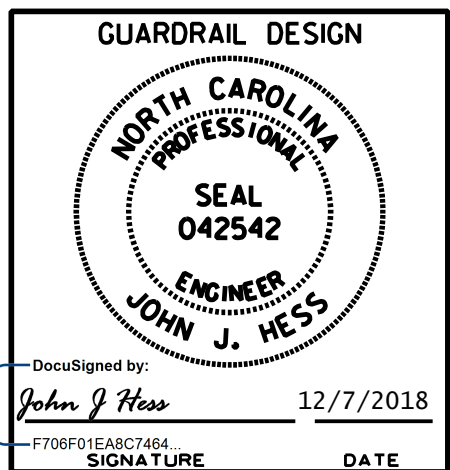
DMS-8 GPS COORDINATES

N 34° 51.660'
W 76° 56.869'



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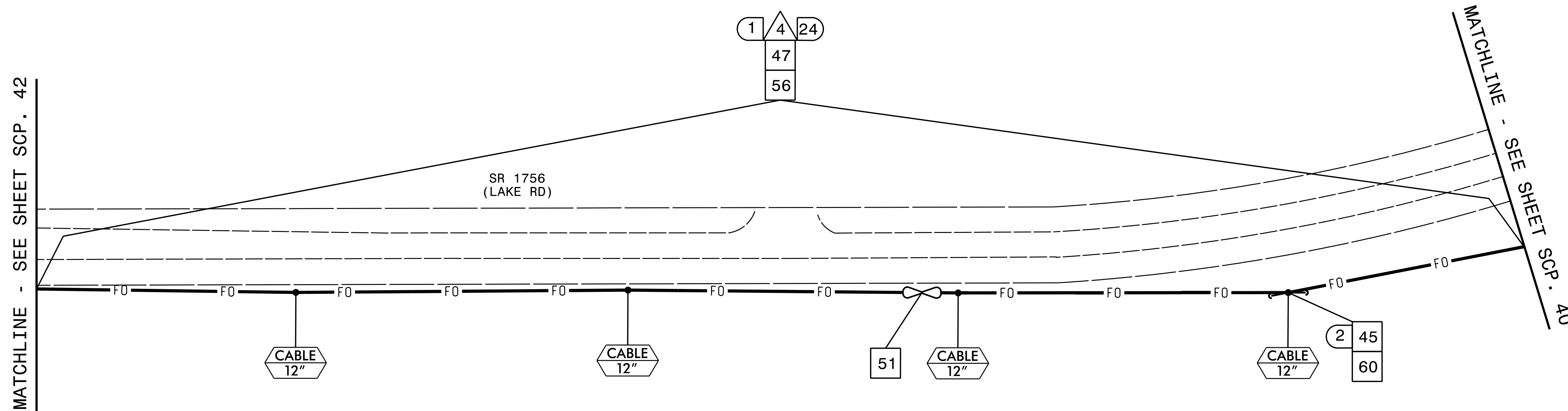
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	<p>Division 02 Craven Co. Havelock</p> <p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p> <p>PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons</p>	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS	INIT.	DATE		
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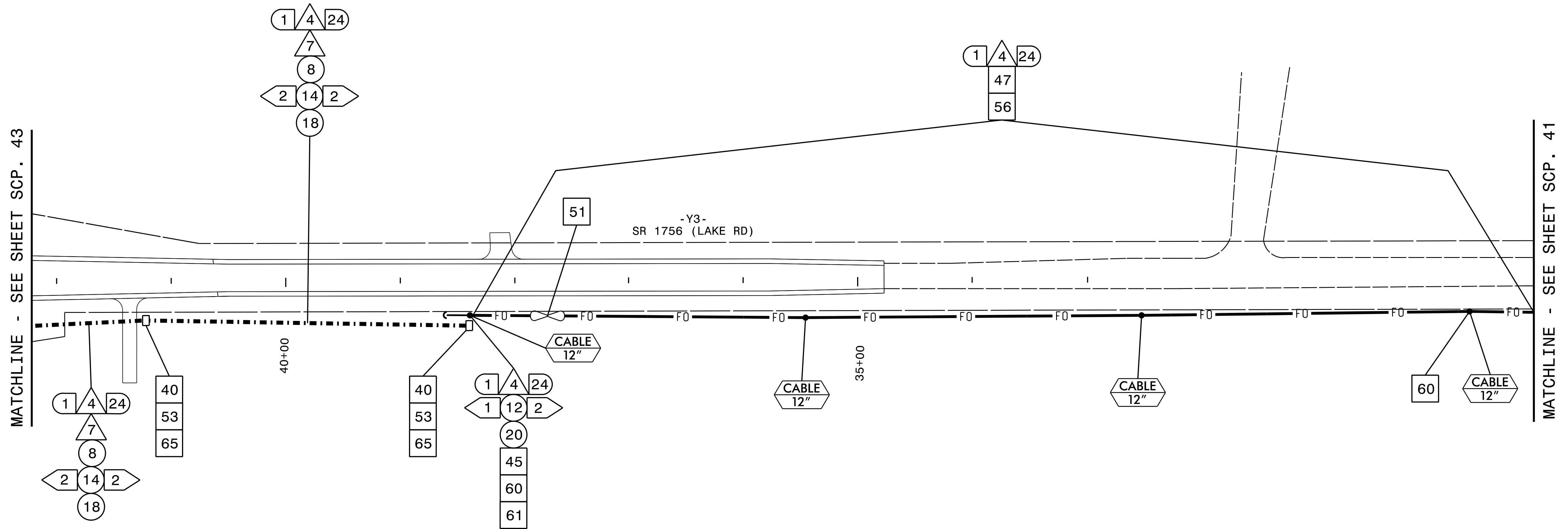
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Plans Prepared for:  250 N. Greenfield Place, Garner, NC 27529	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell		
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
REVISIONS	INIT.	DATE	DocuSigned by: Natasha R. Simmons 12/7/2018 FID480F3AD4454 SIGNATURE
			CADD Filename: R1015 scp 41.dgn



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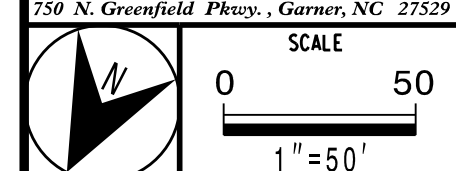
Plans Prepared for:

250 N. Greenfield Place, Garner, NC 27529

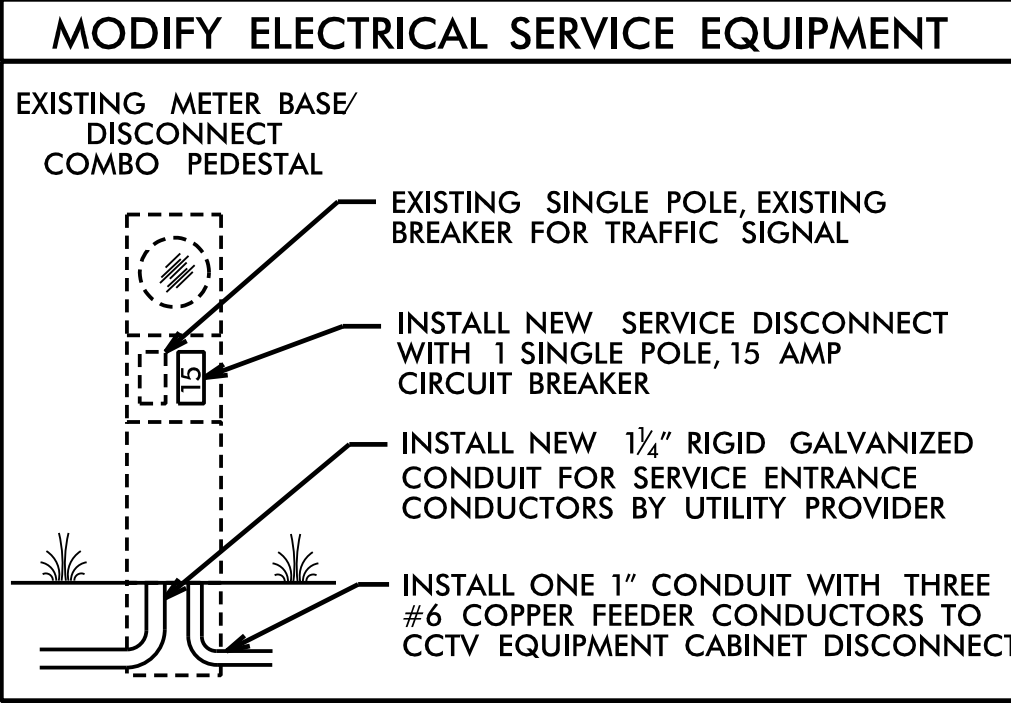
US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons
REVISIONS	INIT. DATE

SEAL

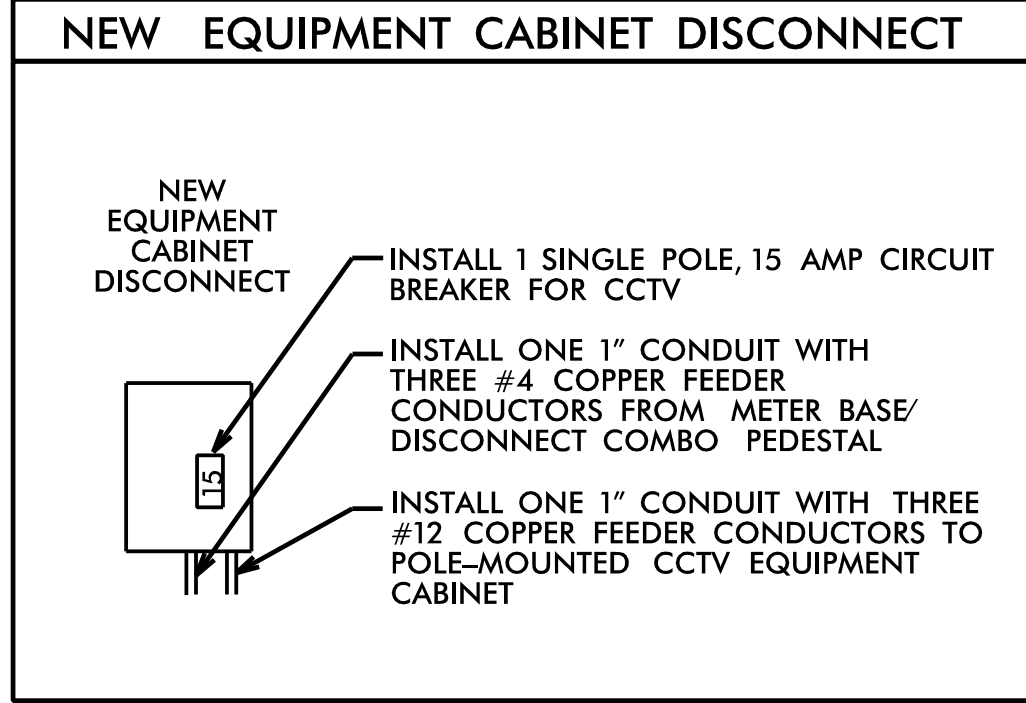
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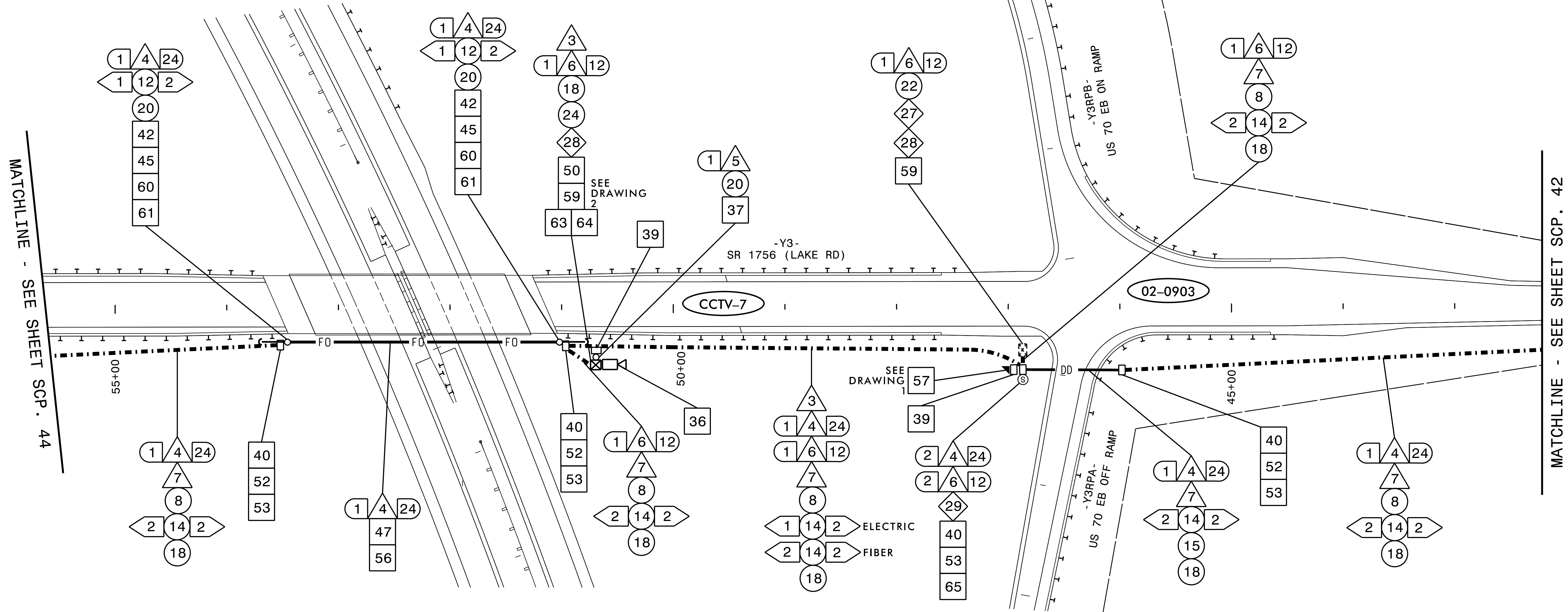


DRAWING 2



CCTV-7 GPS COORDINATES

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W 76° 56.192'

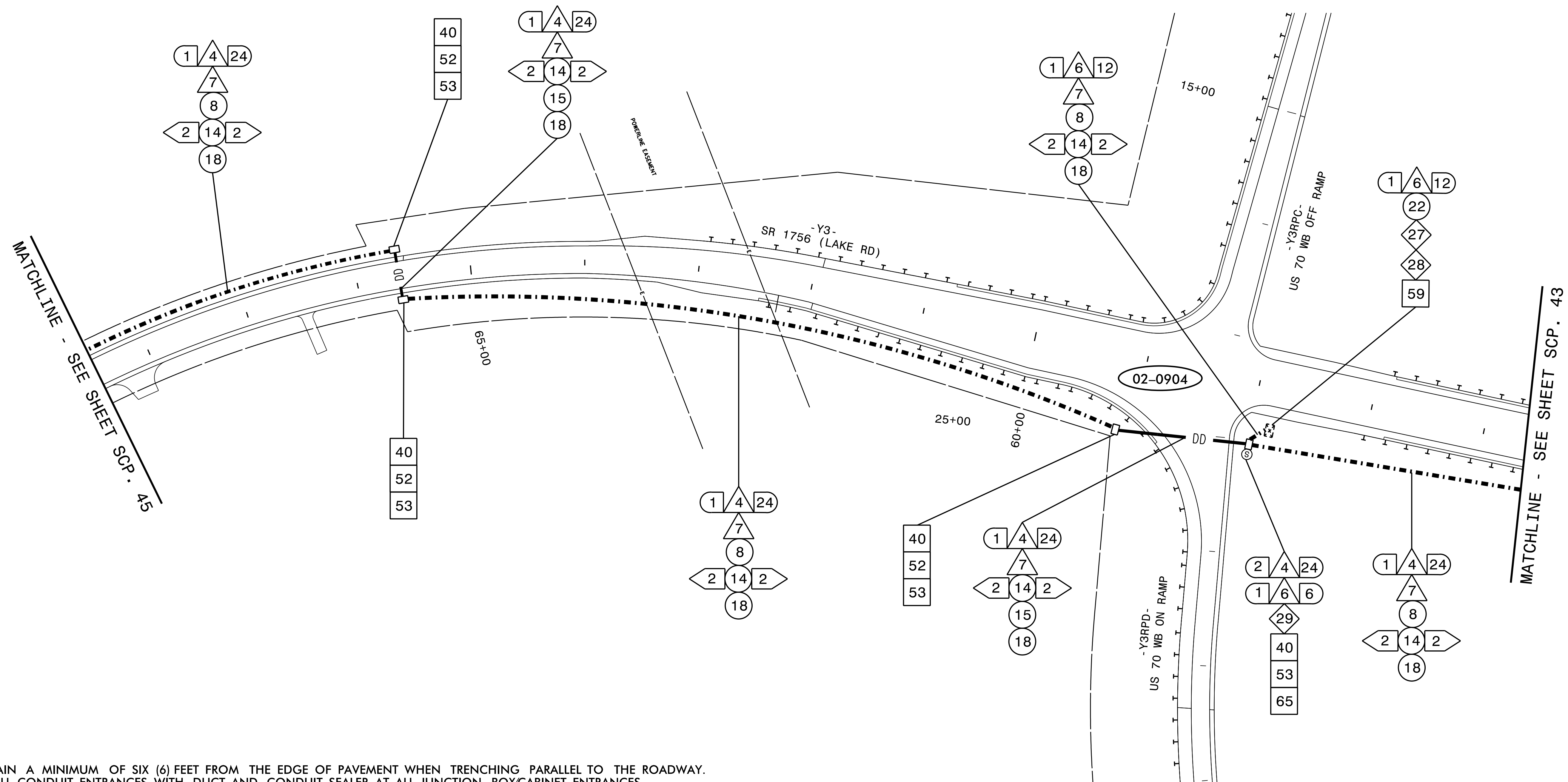


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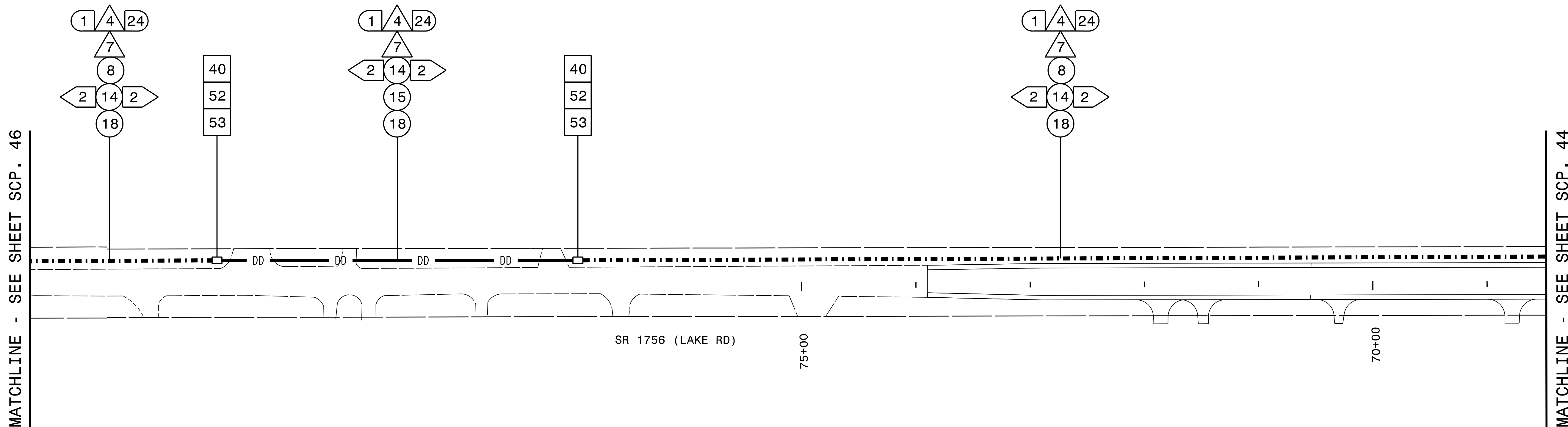


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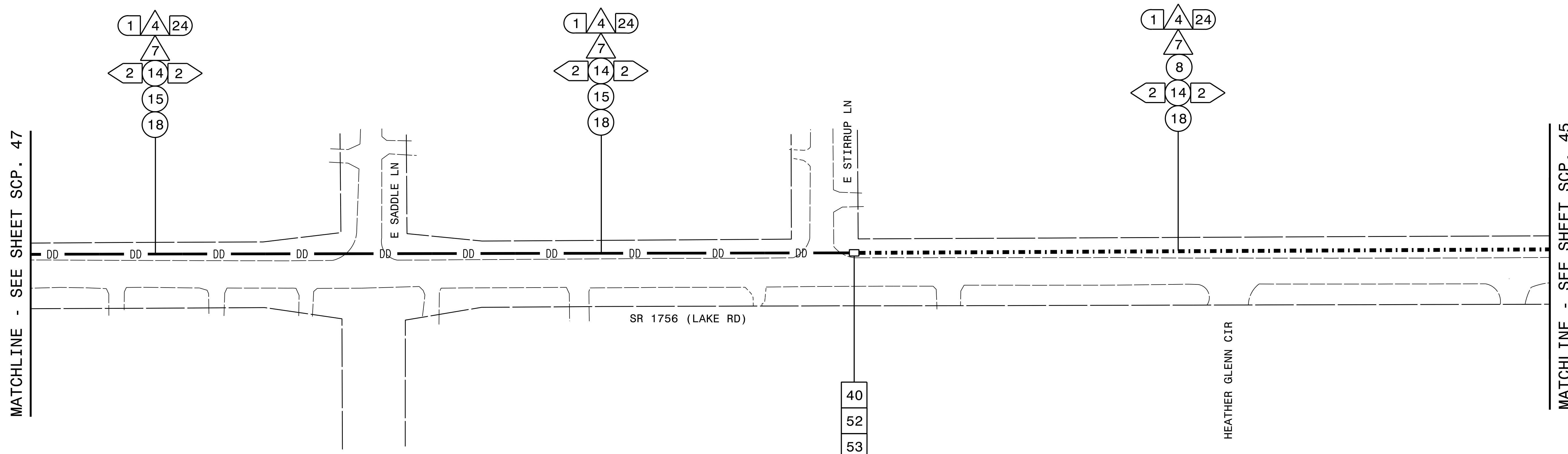
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10. AT THE DIRECTION OF THE ENGINEER, PERFORM GRADING AS NEEDED WHERE GUARDRAIL, POLE INSTALLATION AND DMS CONSTRUCTION WORK HAS BEEN PERFORMED.
11. NCDOT DIVISION 2 WILL FURNISH AND INSTALL THE CCTV AND DMS CELL MODEM. CONTACT THE DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 SIX (6) WEEKS PRIOR TO BEGINNING WORK.

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(919) 546-8997

	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock		
250 N. Greenfield Place - Garner, NC 27529	PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell	
	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	
SCALE 0 50 1"=50'	REVISIONS	INIT. DATE	DocuSigned by: Natasha R. Simmons 12/7/2018 SEAL SIGNATURE DATE
			CADD File name: R1015 scp 45.dgn



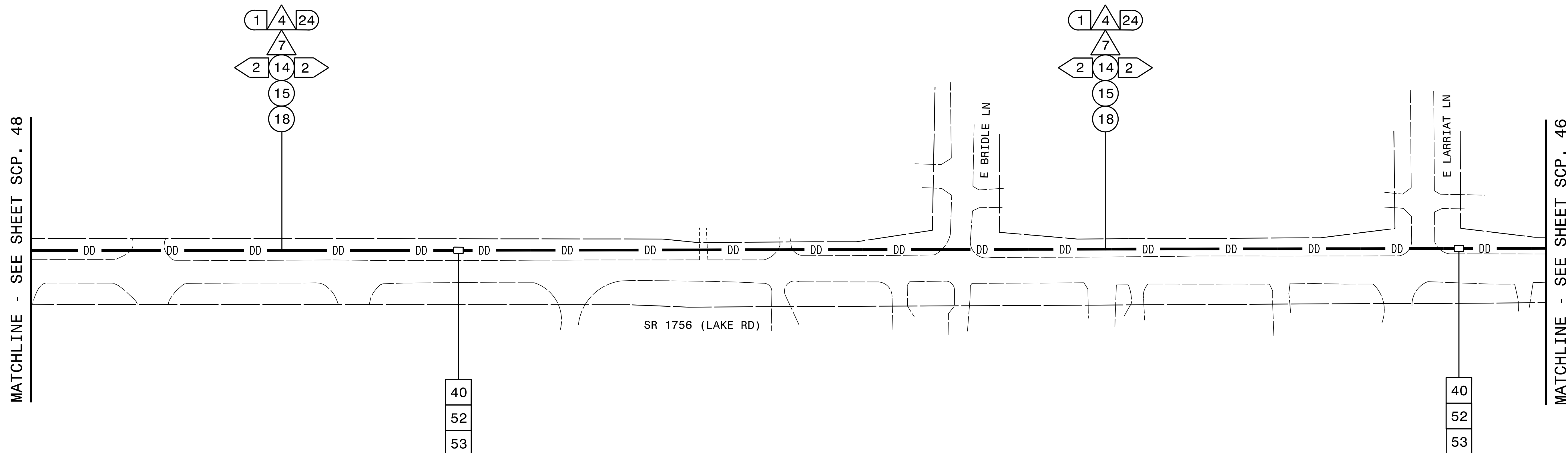
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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
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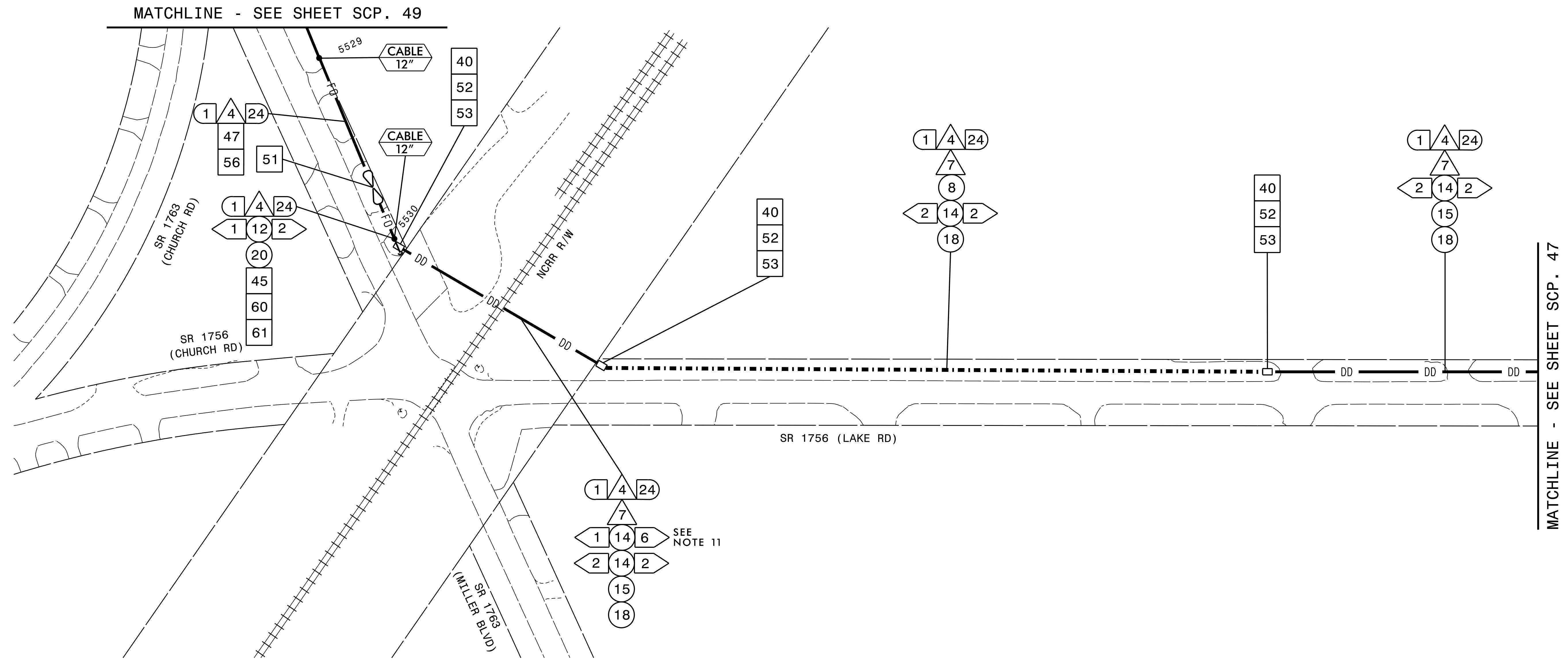
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PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons		
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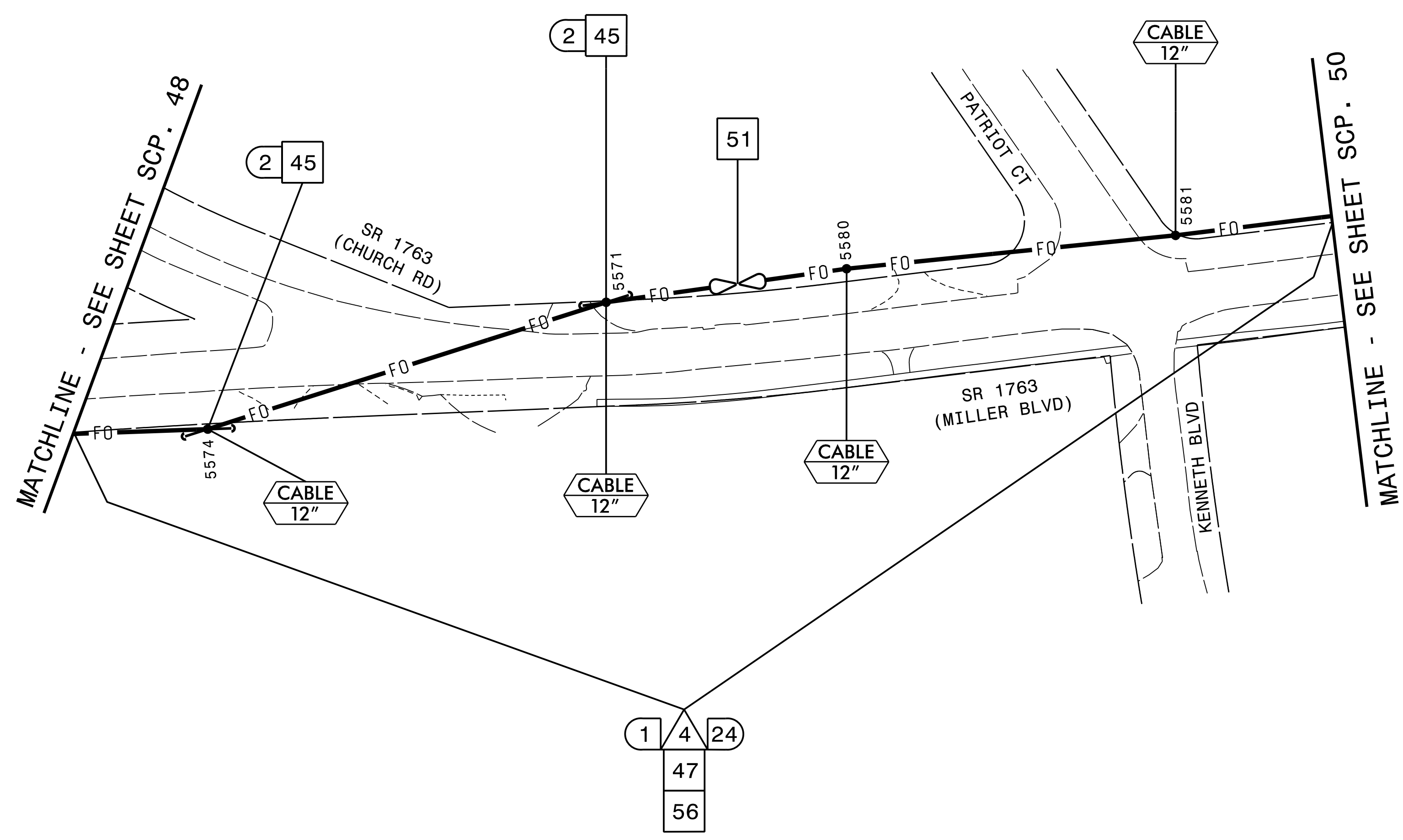


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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN		
	Division 02 Craven Co. Havelock	PLAN DATE: August 2018	
250 N. Greenfield Place, Garner, NC 27529	PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons	DocuSigned by: Natasha R. Simmons 12/7/2018 FID6ABDF3AD454 SIGNATURE DATE
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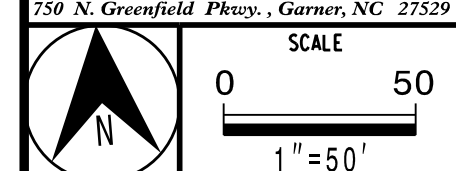
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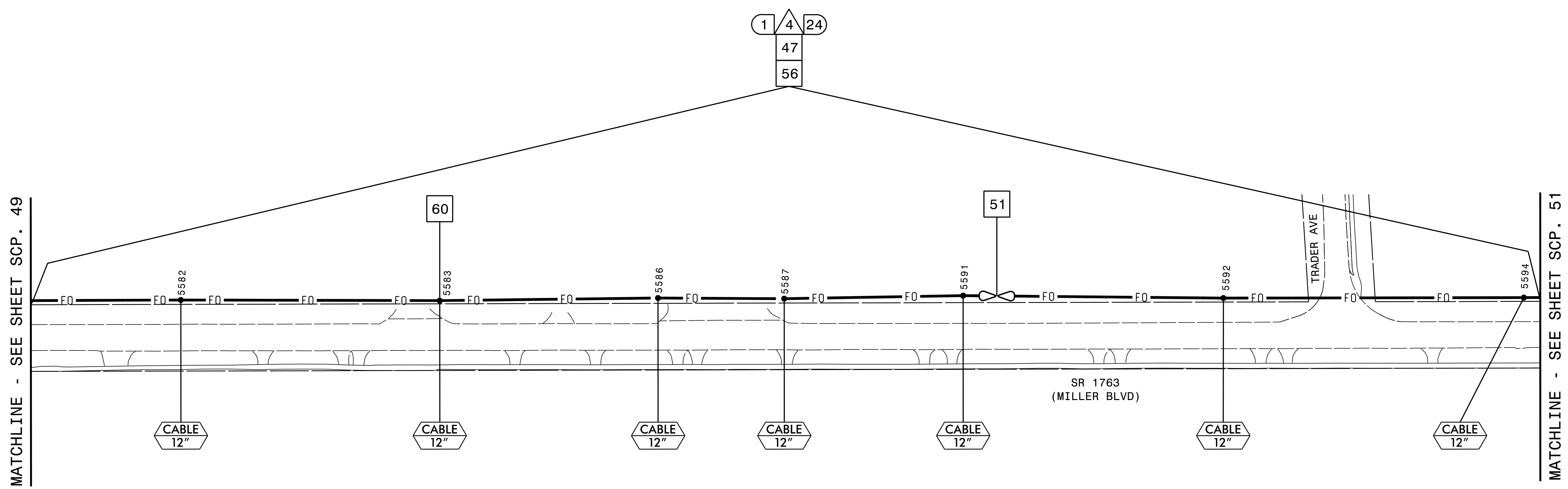
250 N. Greenfield Place, Garner, NC 27529

US 70 HAVELOCK BYPASS CABLE ROUTING PLAN	
Division 02	Craven Co. Havelock
PLAN DATE: August 2018	REVIEWED BY: T.R. Terrell
PREPARED BY: N.K. Vlanich	REVIEWED BY: N.R. Simmons
REVISIONS	INIT. DATE

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 Natasha R. Simmons 12/7/2018
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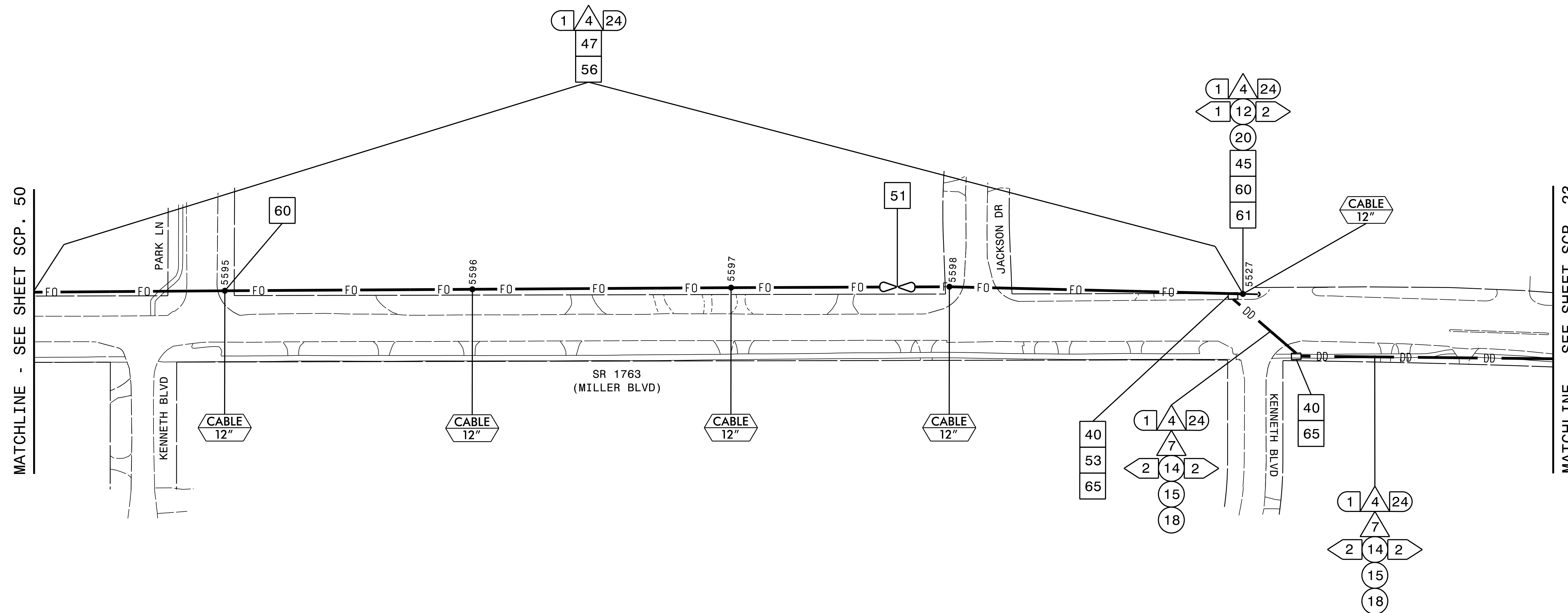


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	US 70 HAVELOCK BYPASS CABLE ROUTING PLAN										
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250 N. Greenfield Place, Garner, NC 27529 		SCALE 0 50 1"=50'	DocuSigned by: Natasha R. Simmons 12/7/2018 FE0480F34D454 SIGNATURE DATE CADD Filename: R1015 scp 51.dgn								



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Plans Prepared for:

250 N. Greenfield Place, Garner, NC 27529

**US 70
HAVELOCK BYPASS
CABLE ROUTING PLAN**

Division 02 Craven Co. Havelock

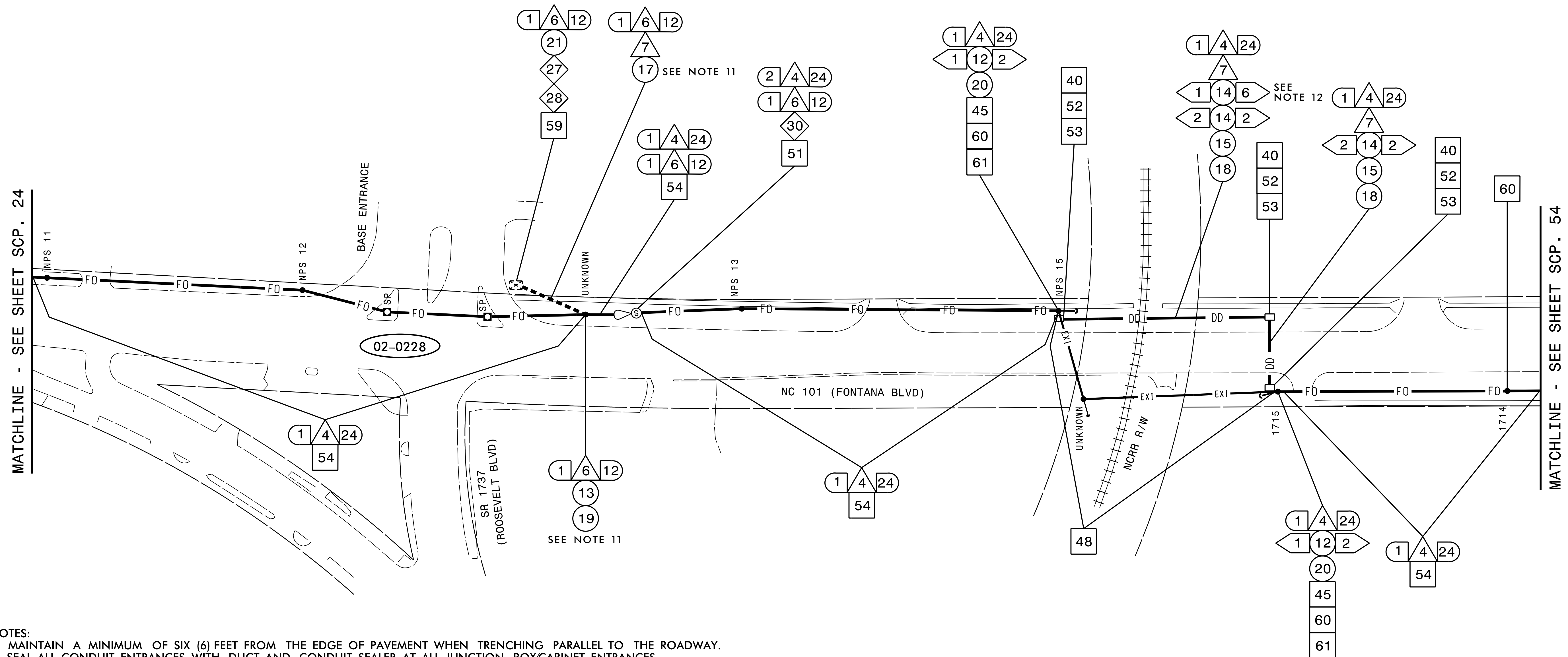
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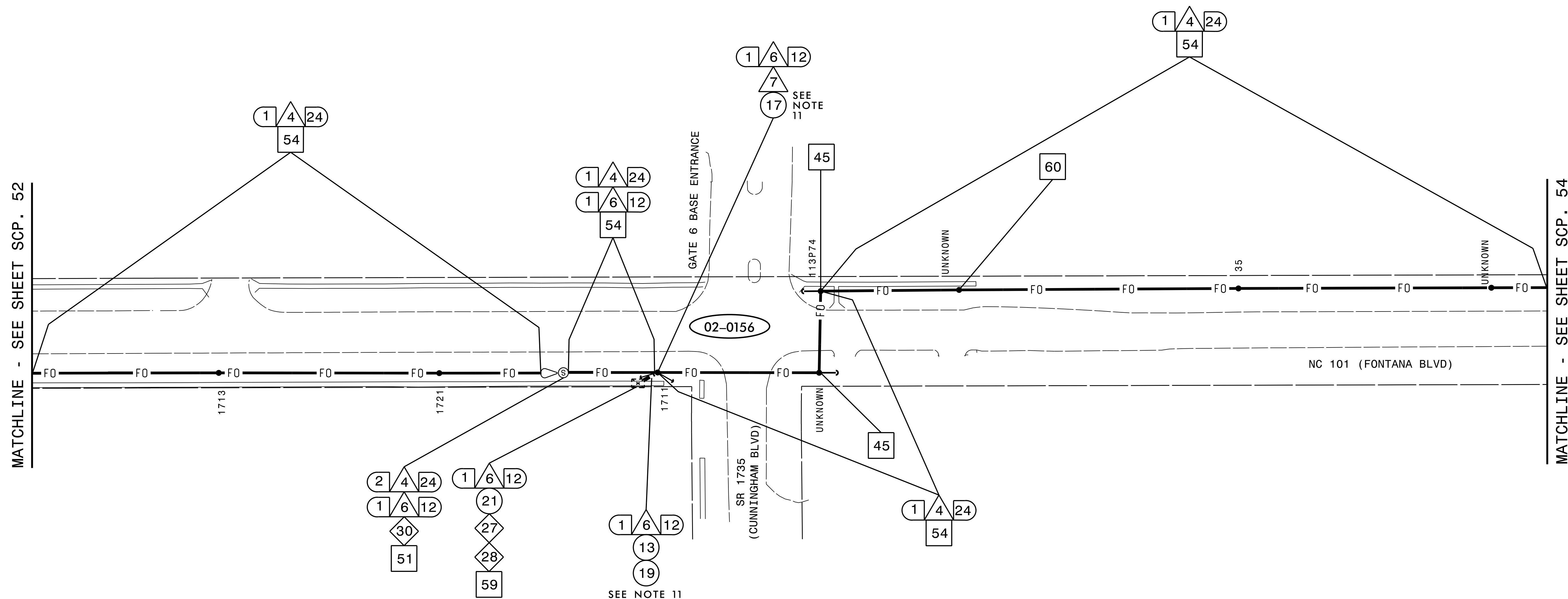
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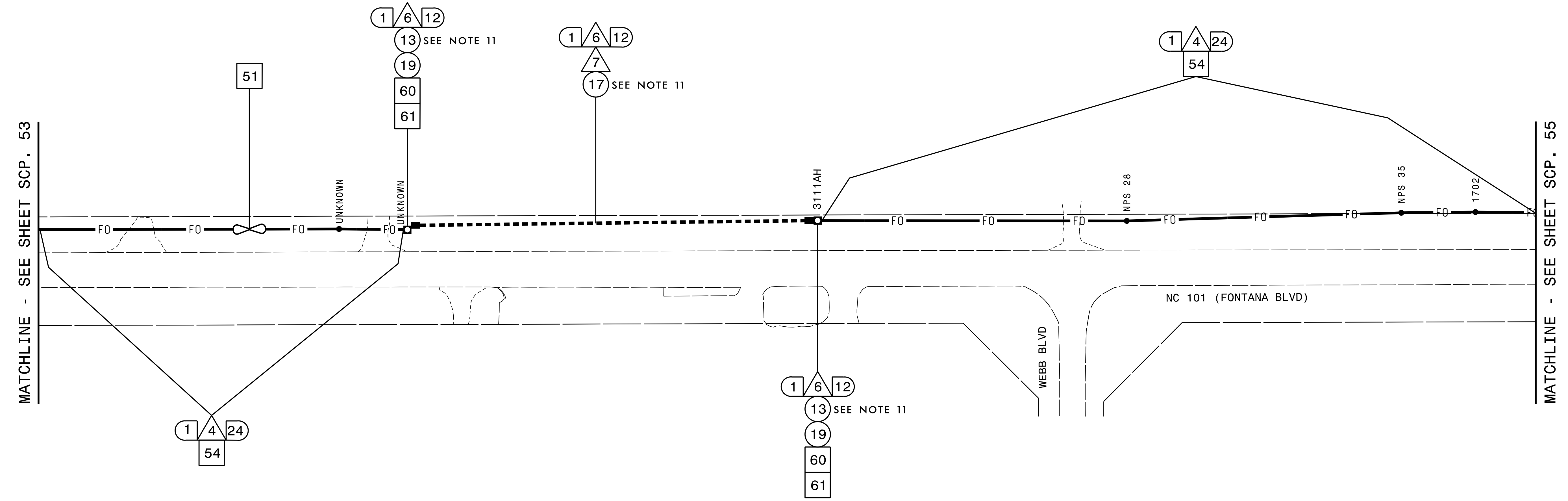
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4. CONTACT DIVISION 2 TRAFFIC ENGINEER, STEVE HAMILTON, AT (252) 439-2816 TO CONFIRM THE LOCATION OF THE CCTV CAMERAS OR DMS.
5. DO NOT INSTALL CCTV POLE ANY CLOSER THAN SIX (6) FEET FROM THE FACE OF GUARDRAIL.
6. MOUNT THE CCTV CAMERA 5 FEET BELOW THE TOP OF THE POLE.
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10. AT THE DIRECTION OF THE ENGINEER, PERFORM GRADING AS NEEDED WHERE GUARDRAIL, POLE INSTALLATION AND DMS CONSTRUCTION WORK HAS BEEN PERFORMED.
11. REMOVE EXISTING FIBER OPTIC CABLE AND PULL IN NEW FIBER OPTIC CABLE.

**DOCUMENT NOT CONSIDERED FINAL
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<p>250 N. Greenfield Place, Garner, NC 27529</p>	<p>US 70 HAVELOCK BYPASS CABLE ROUTING PLAN</p>		
	<p>Division 02 Craven Co. Havelock</p>	<p>PLAN DATE: August 2018 REVIEWED BY: T.R. Terrell</p>	
<p>PREPARED BY: N.K. Vlanich</p>	<p>REVIEWED BY: N.R. Simmons</p>		<p>DocuSigned by: Natasha R. Simmons 12/7/2018</p>
<p>SCALE 0 50 1"=50'</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>	<p>SIGNATURE DATE</p>
<p>CADD Filename: R1015_scp_53.dgn</p>			

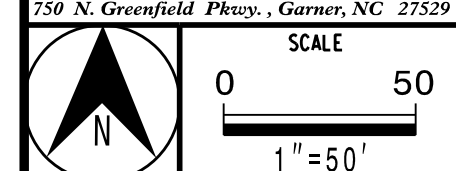


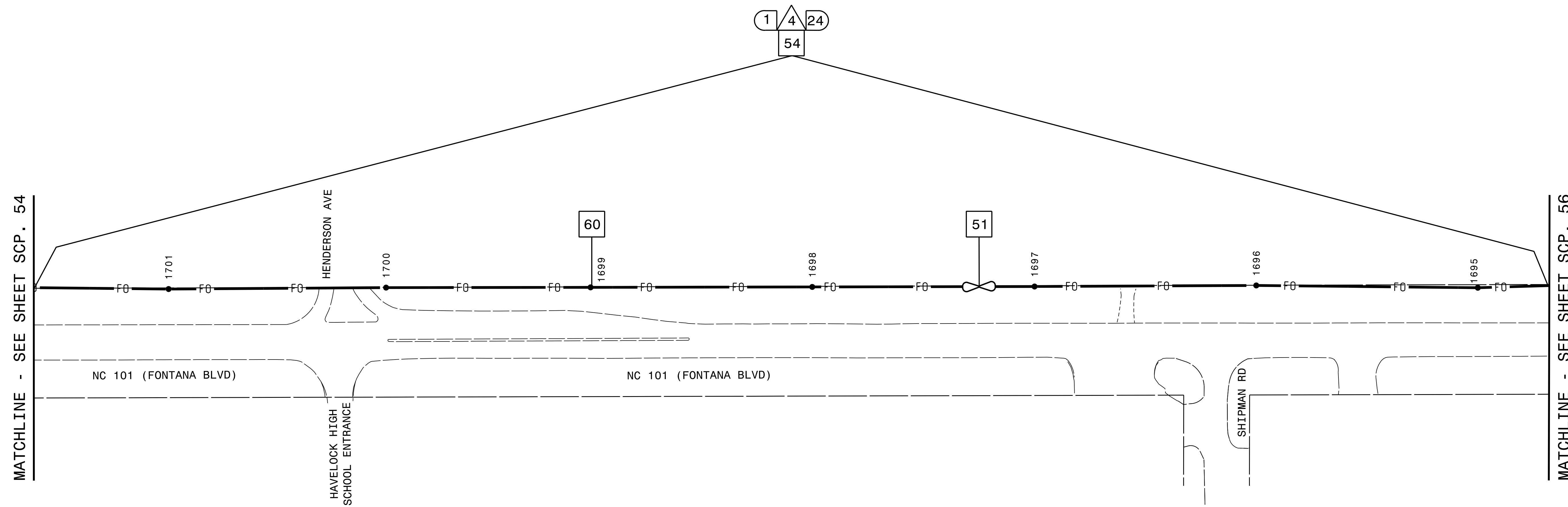
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Notarized by: <i>Notasha R. Simmons</i> 12/7/2018 <small>FEDAB0F3AD4454</small>			DATE
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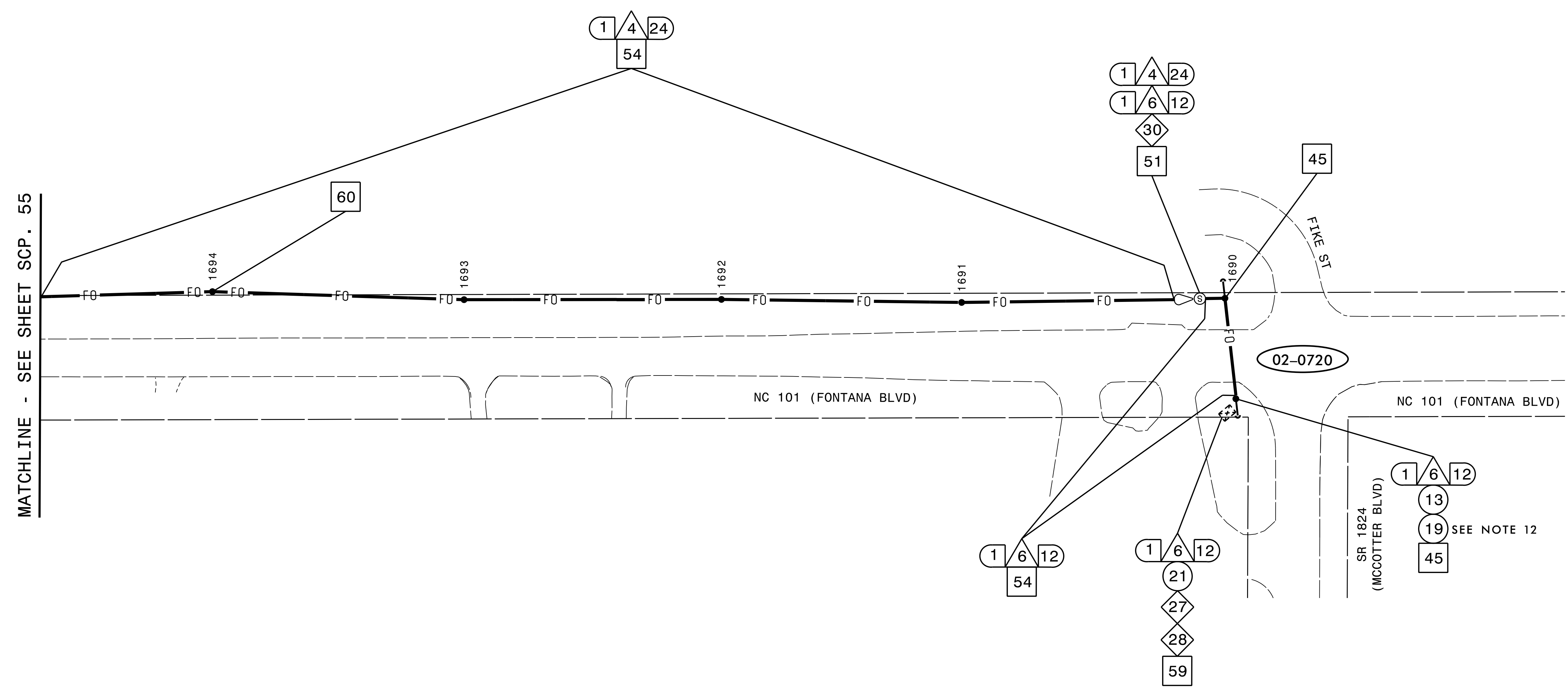
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SEAL

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SCALE

1"=50'



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