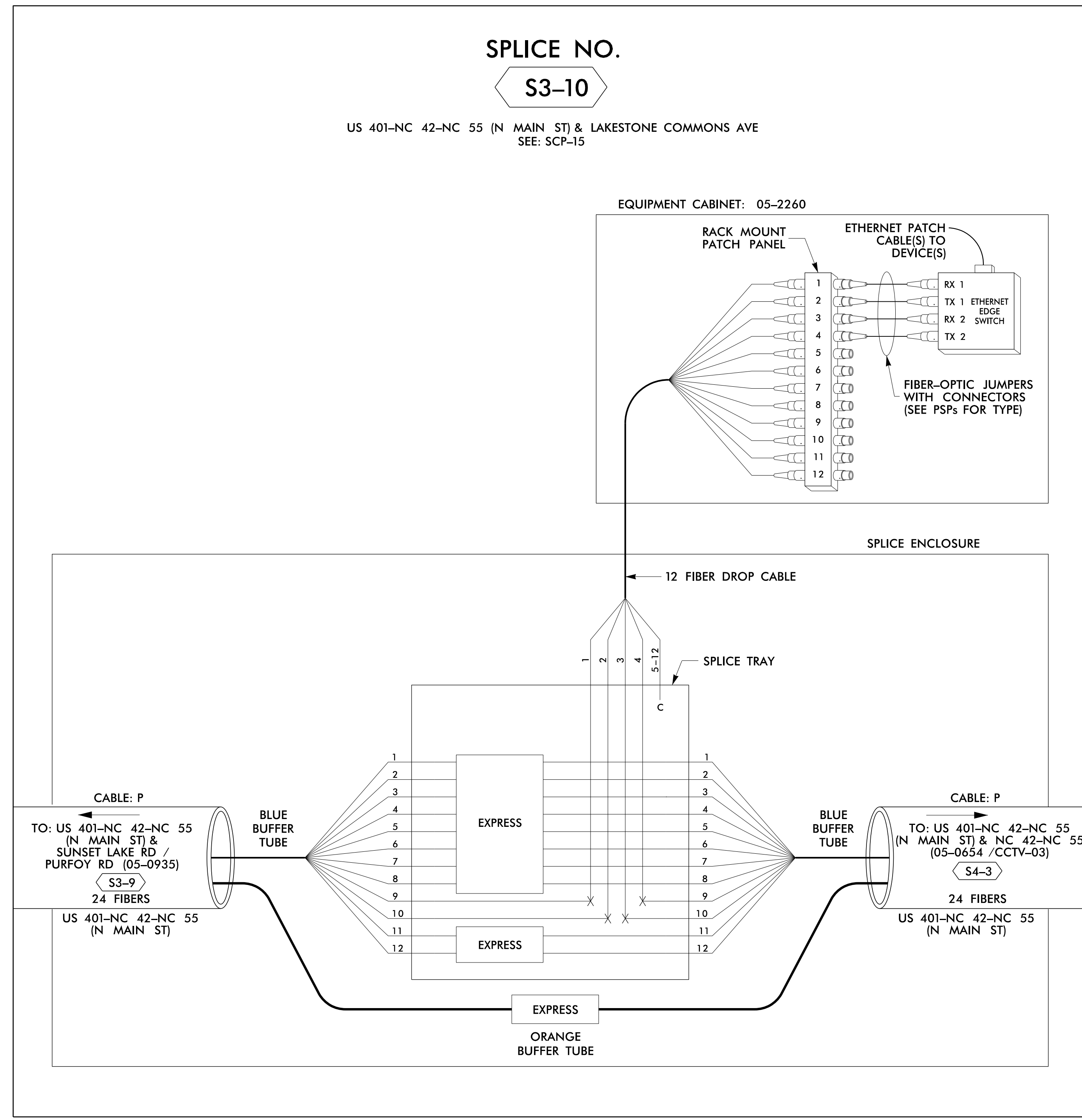


SPLICE NO.

S3-10

US 401-NC 42-NC 55 (N MAIN ST) & LAKESTONE COMMONS AVE
SEE: SCP-15



16-MAR-2023 17:09 p:\7\3\US003634\wshk\ins.com\TKMANC01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 11_Coms\Splice-20.dgn SIF14685 AT U3491089

LEGEND

<table border="1"> <tr> <td>COLOR CODE</td> <td>TIA/EIA</td> <td>598-B</td> </tr> </table>		COLOR CODE	TIA/EIA	598-B	X = FUSION SPLICE INDIVIDUAL FIBER C = CAP AND SEAL
COLOR CODE	TIA/EIA	598-B			
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING		
(2) ORANGE	(8) BLACK	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR		
(3) GREEN	(9) YELLOW	EXISTING	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.		
(4) BROWN	(10) VIOLET				
(5) SLATE	(11) ROSE				
(6) WHITE	(12) AQUA				

NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

ATKINS

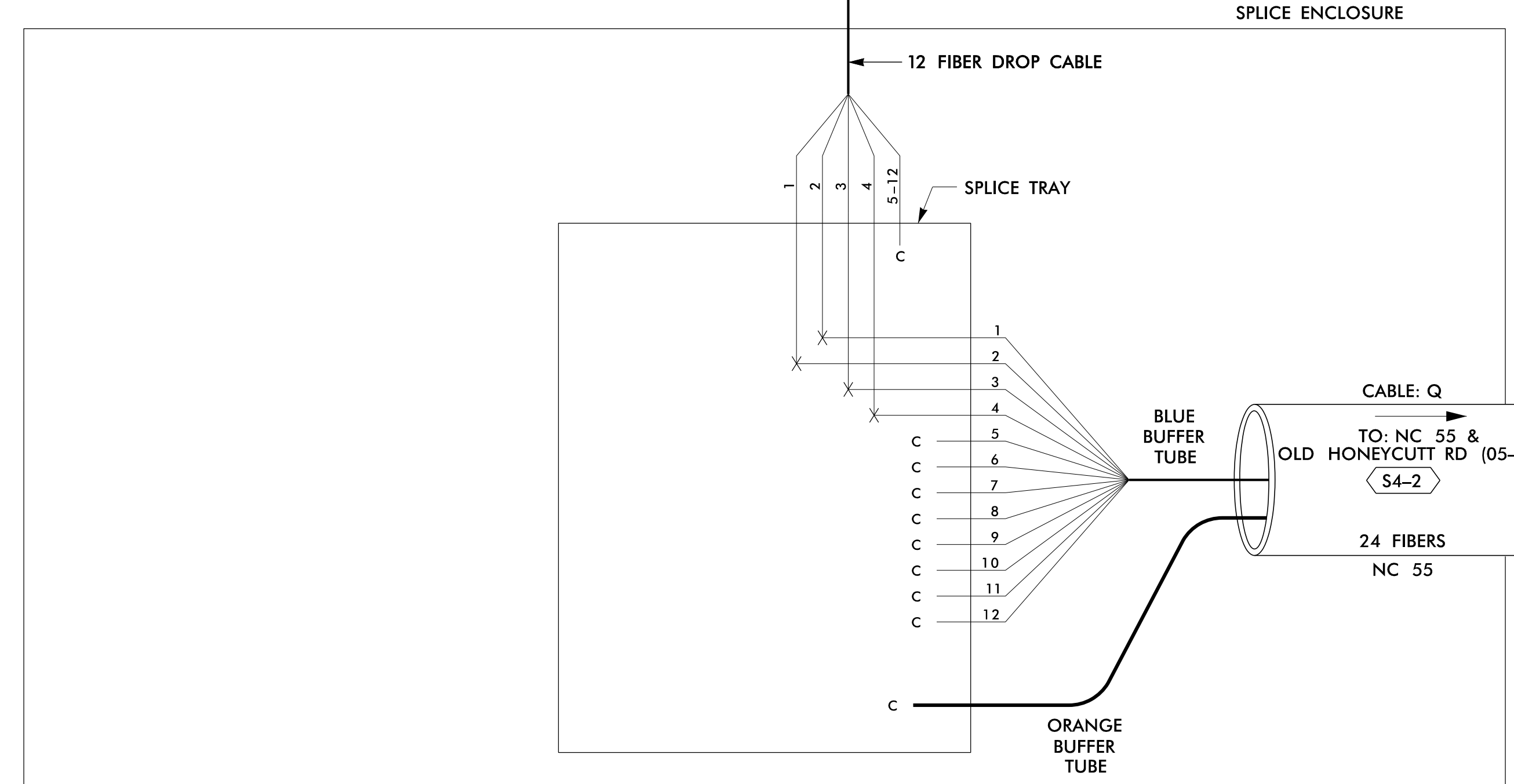
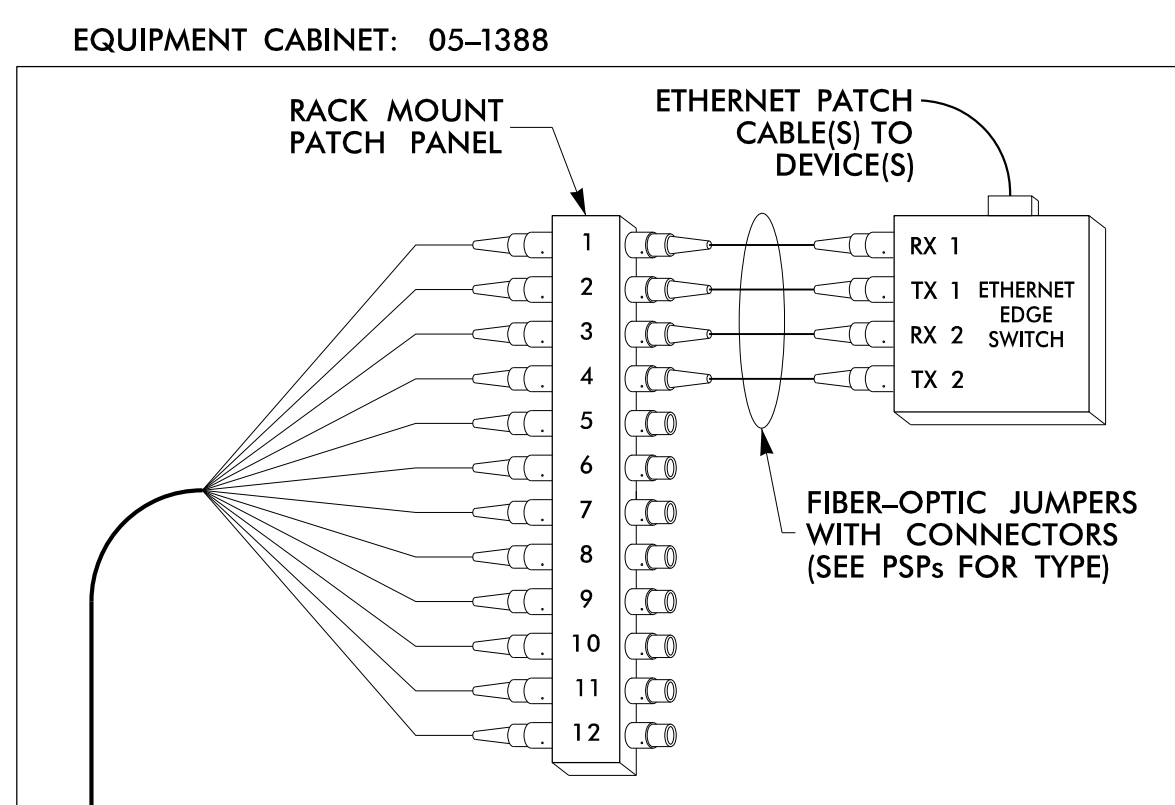
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	Fuquay-Varina Signal System Fiber-Optic Splicing Details	
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth
SCALE: N/A	REVISIONS:	INIT. DATE:
CADD Filename: Splice-20.dgn		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040877 BRADFORD J. SLOCUM 4/14/2023

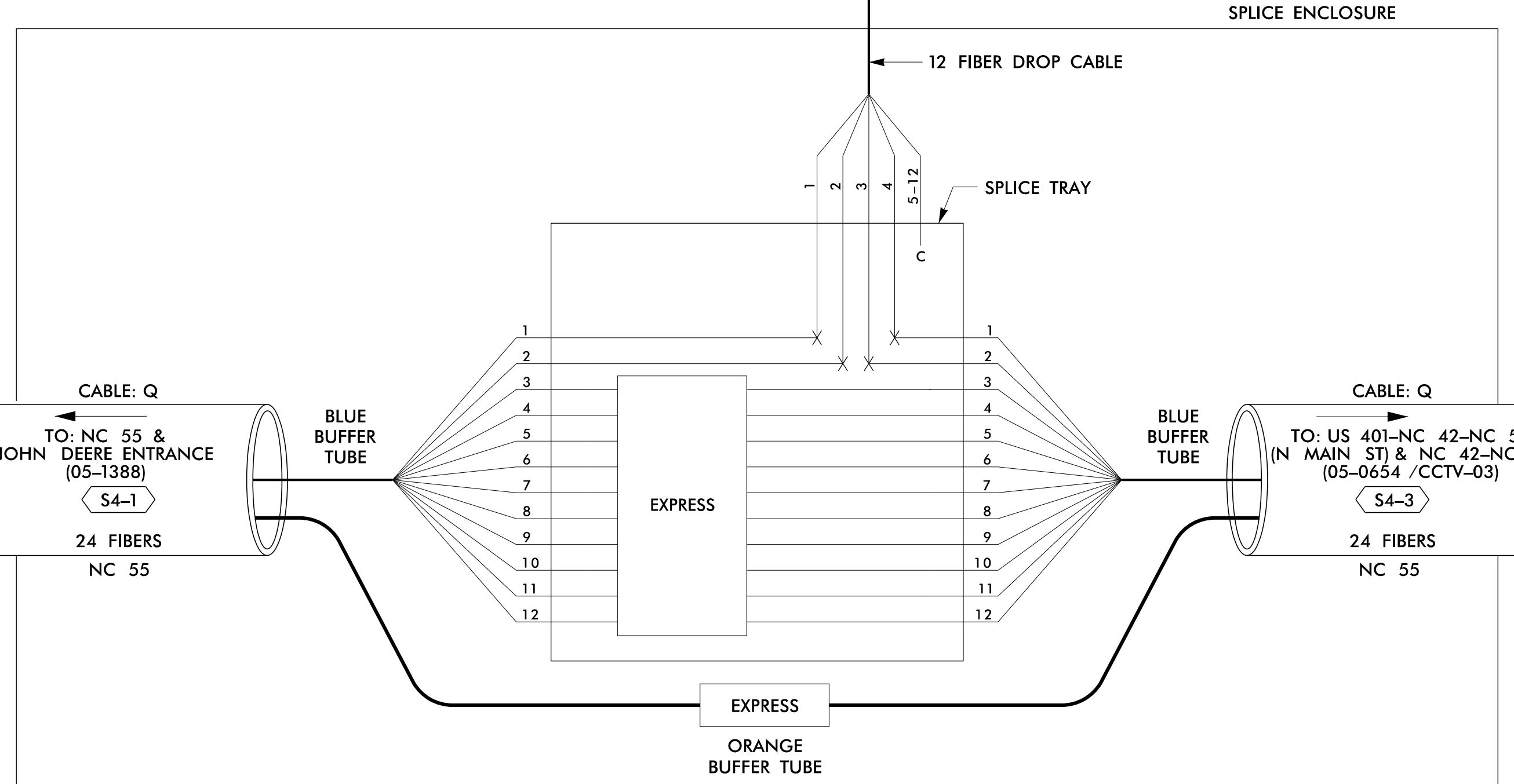
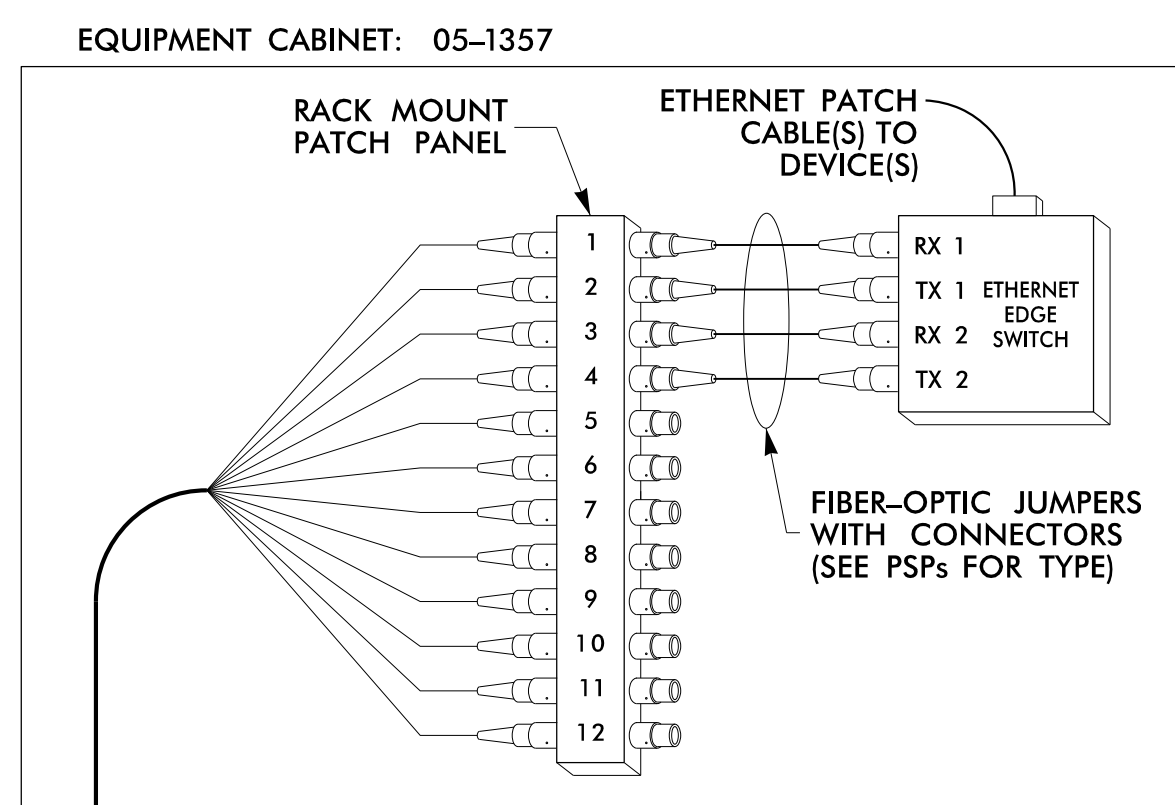
SPLICE NO.
S4-1

NC 55 & JOHN DEERE ENTRANCE
SEE: SCP-51



SPLICE NO.
S4-2

NC 55 & OLD HONEYCUTT RD
SEE: SCP-51A



16-MAR-2023 17:09 p:\7\305003634\wsc\h\ins.com\ATK\N\NC01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 11_Comms\Splice-21.dgn SIF4685 AT U3491089

LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	C = CAP AND SEAL
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPLICE SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(4) BROWN	(10) VIOLET	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NOTES

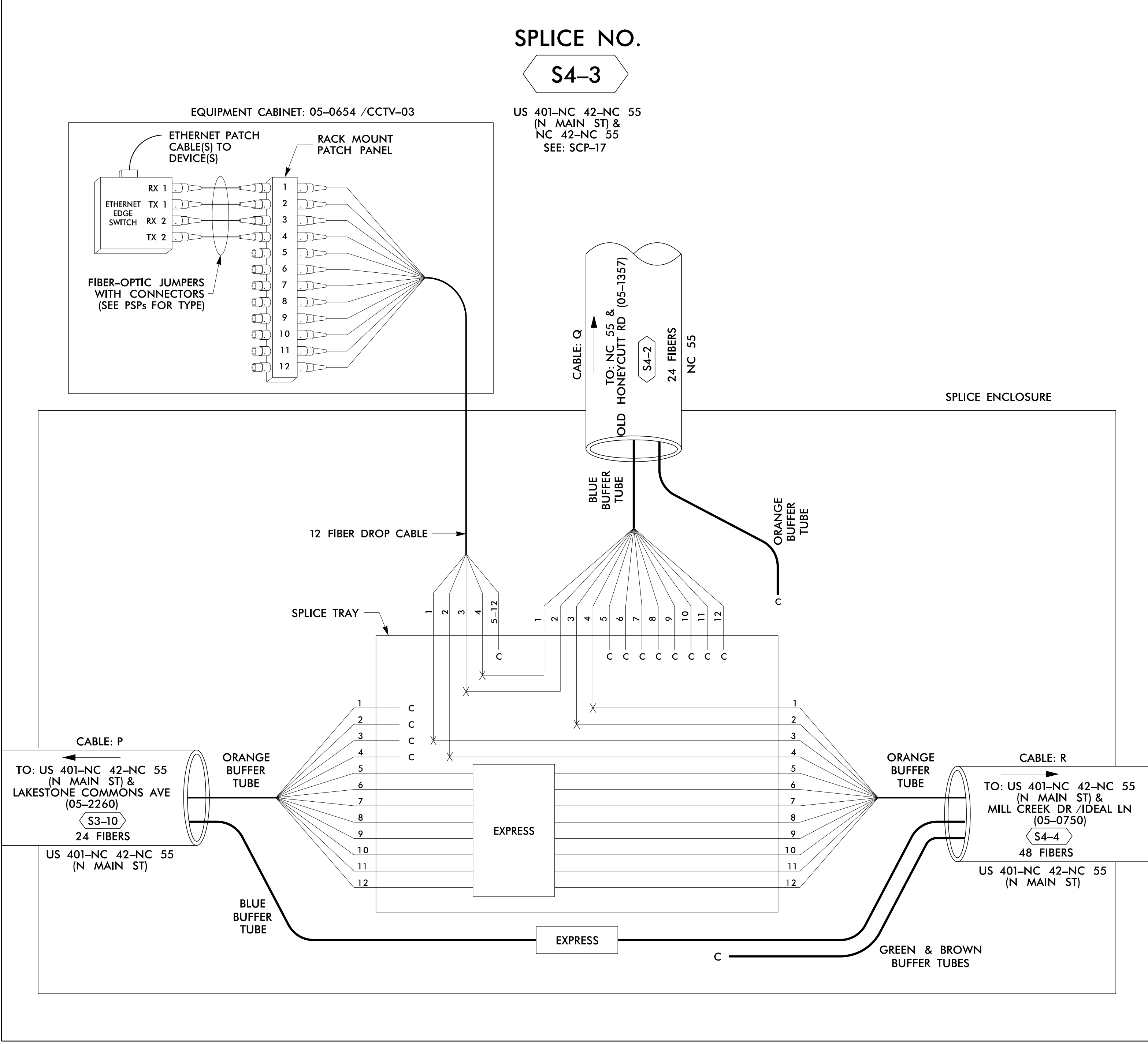
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

ATKINS

1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

	Prepared for the Offices of: Fuquay-Varina Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER BRADFORD J. SLOCUM
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth	
REVISIONS		INIT. DATE	4/14/2023 DATE CADD Filename: Splice-21.dgn



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	C = CAP AND SEAL
(2) ORANGE	(8) BLACK	EXPRESS EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPLICE SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(4) BROWN	(10) VIOLET	EXISTING EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

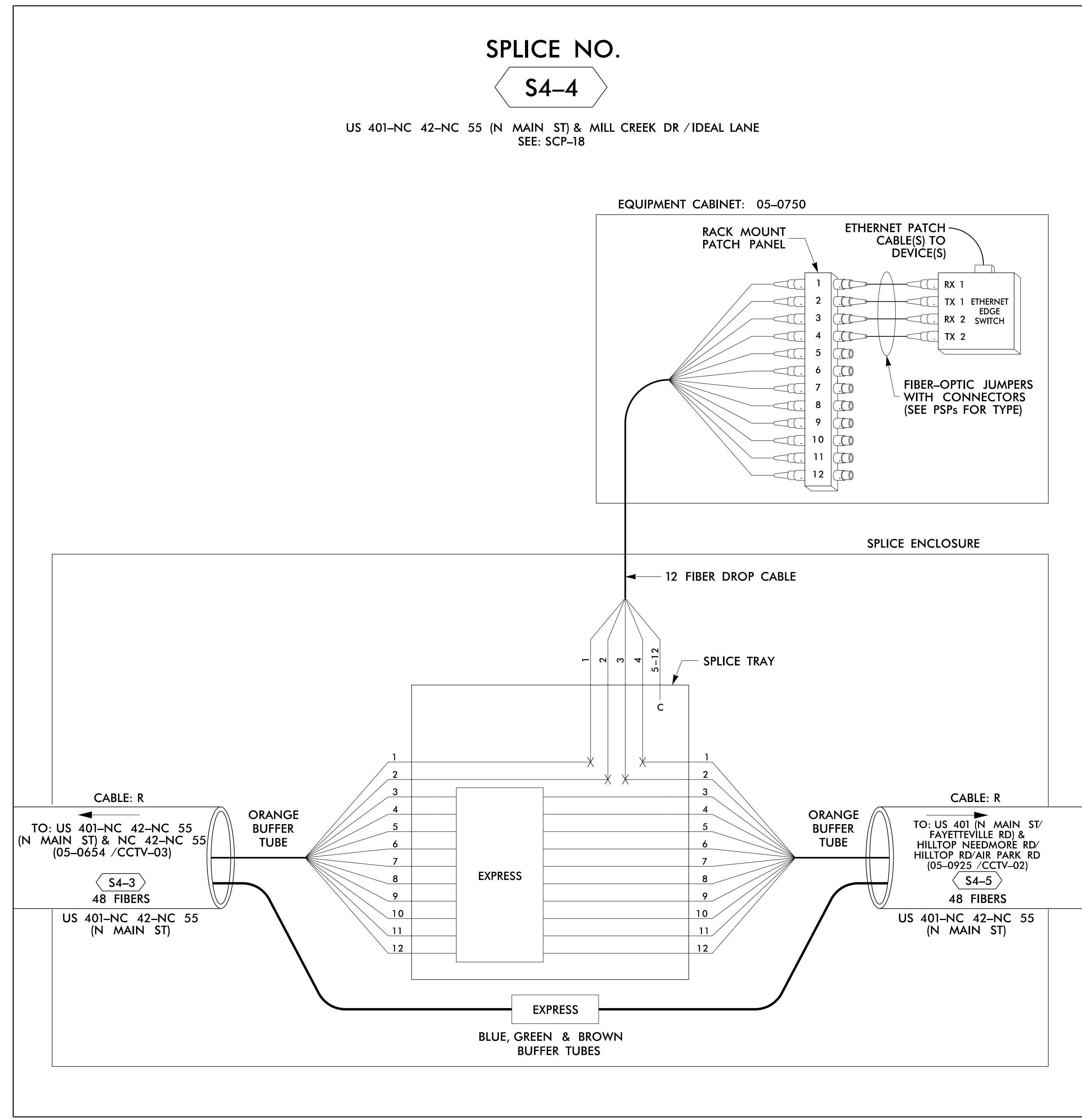
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	<p>Fuquay-Varina Signal System Fiber-Optic Splicing Details</p>		
	<p>Division 5 Wake County Fuquay-Varina</p>	<p>PLAN DATE: August 2022 REVIEWED BY: BJ Slocum</p>	
<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: MB Toth</p>	<p>INIT. DATE</p>
<p>SCALE: N/A</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>	<p>DATE</p>
<p>CADD Filename: Splice-22.dgn</p>			

SPLICE NO.

S4-4

US 401-NC 42-NC 55 (N MAIN ST) & MILL CREEK DR /IDEAL LANE
SEE: SCP-18



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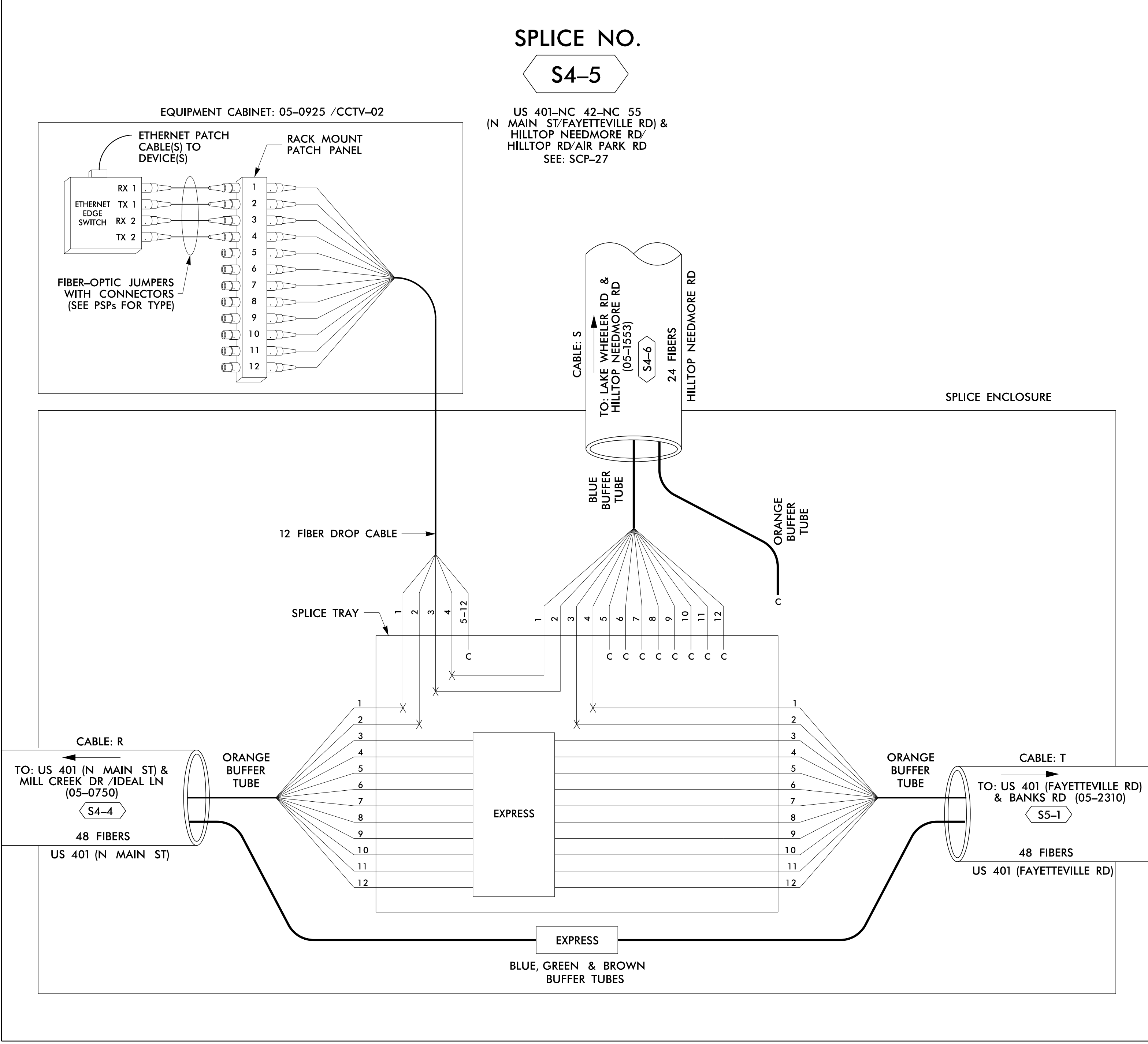
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LEGEND	
COLOR CODE TIA/EIA 598-B	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA
EXPRESS	EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE /FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

NOTES
1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
3. EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

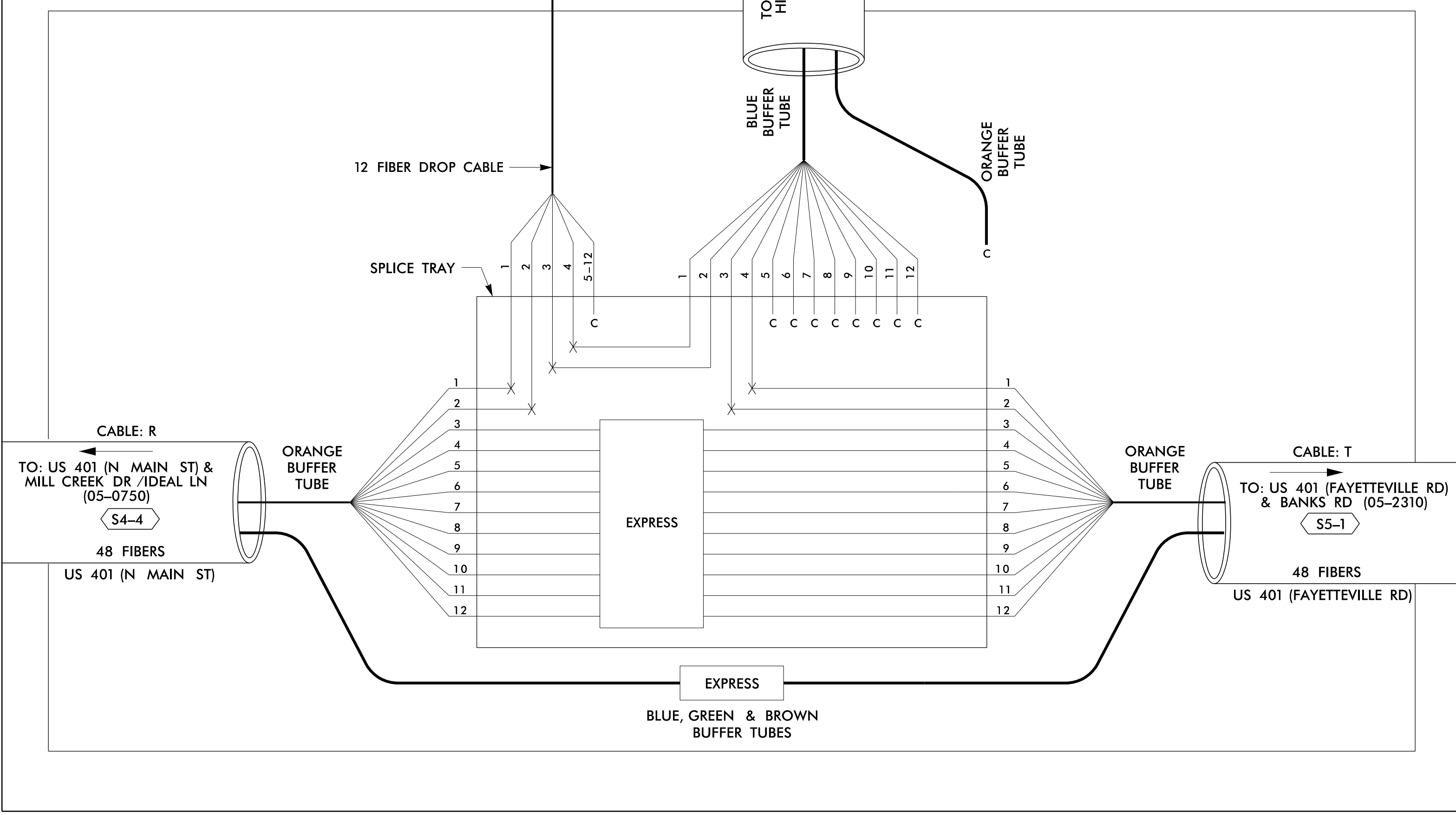
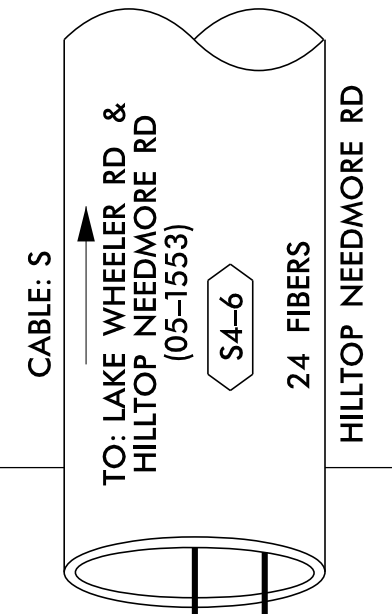
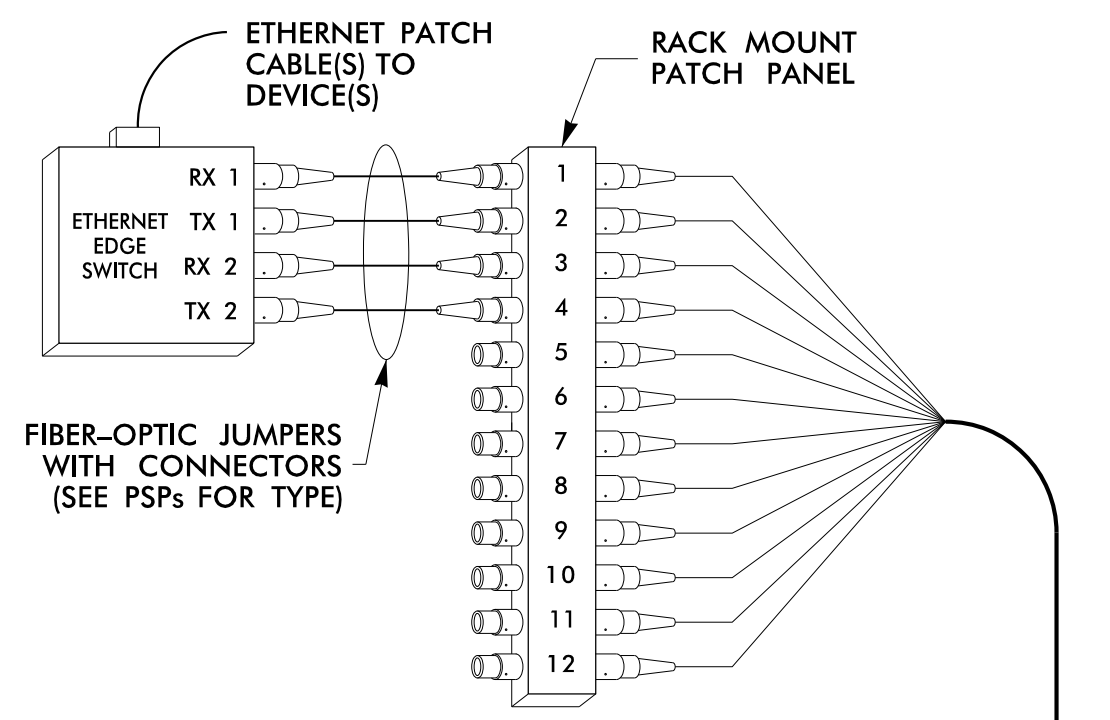
	Fuquay-Varina Signal System Fiber-Optic Splicing Details		
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth	
CADD Filename: Splice-23.dgn			



SPLICE NO.
S4-5

US 401-NC 42-NC 55
(N MAIN ST/FAYETTEVILLE RD) &
HILLTOP NEEDMORE RD/
HILLTOP RD/AIR PARK RD
SEE: SCP-27

EQUIPMENT CABINET: 05-0925 /CCTV-02



LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE
(3) GREEN	(9) YELLOW	EXISTING
(4) BROWN	(10) VIOLET	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NOTES

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ATKINS

1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

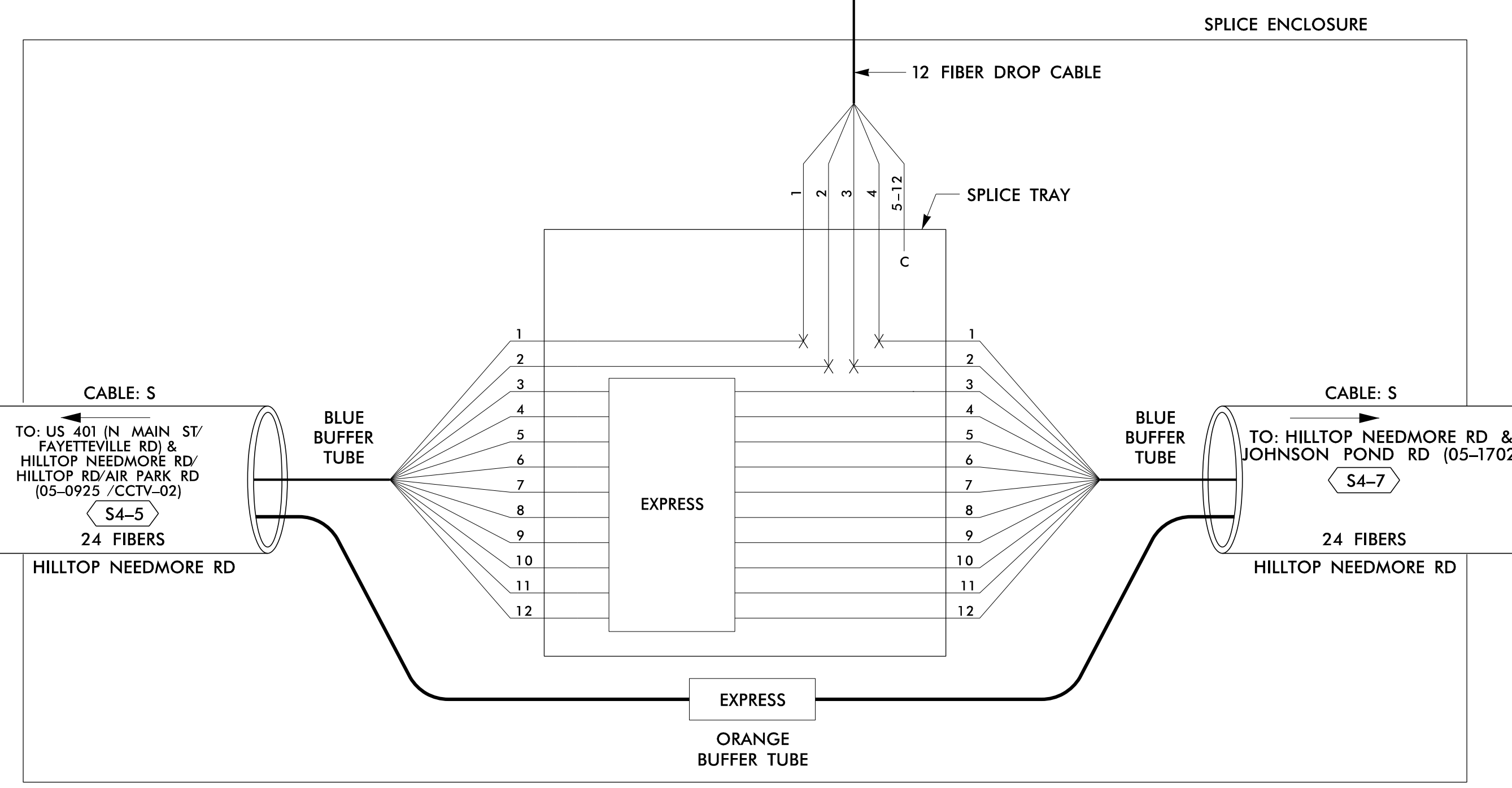
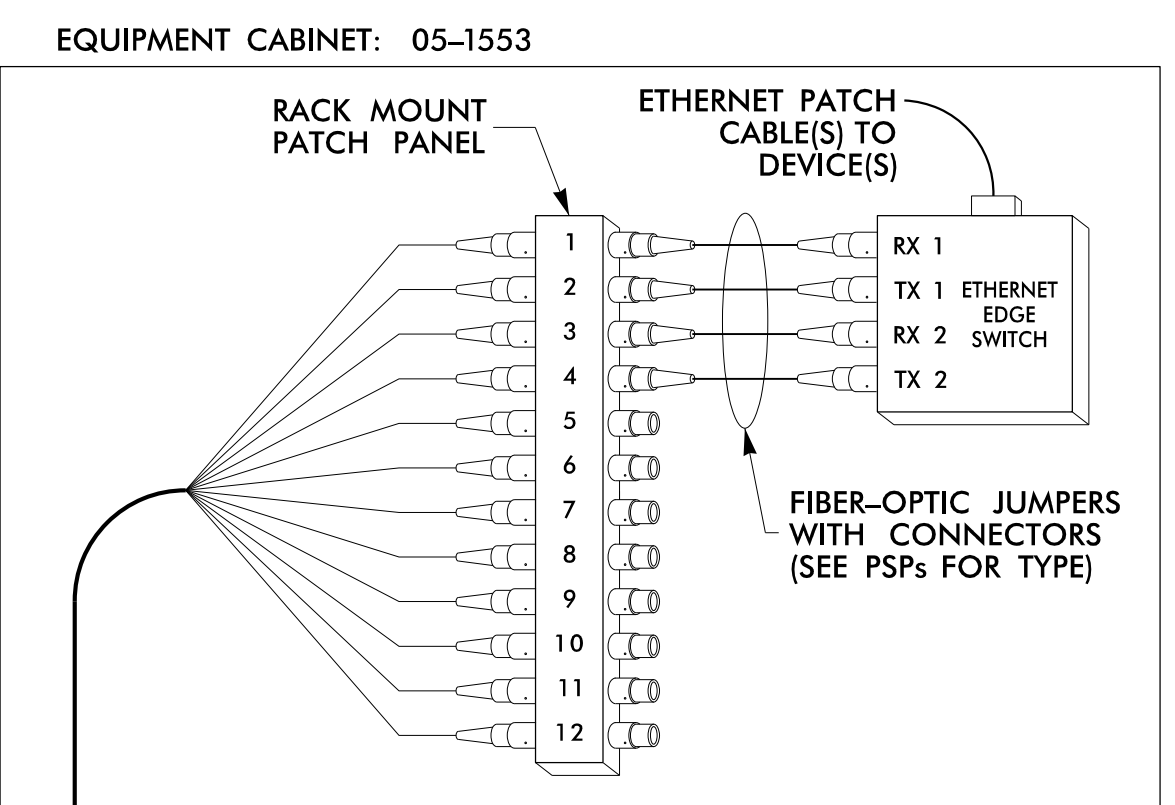
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UNLESS ALL SIGNATURES COMPLETED

	<p>Fuquay-Varina Signal System Fiber-Optic Splicing Details</p>		
	<p>Division 5 Wake County Fuquay-Varina</p>	<p>PLAN DATE: August 2022 REVIEWED BY: BJ Slocum</p>	
<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>SCALE: N/A</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>
<p>4/14/2023</p>		<p>CADD Filename: Splice-24.dgn</p>	

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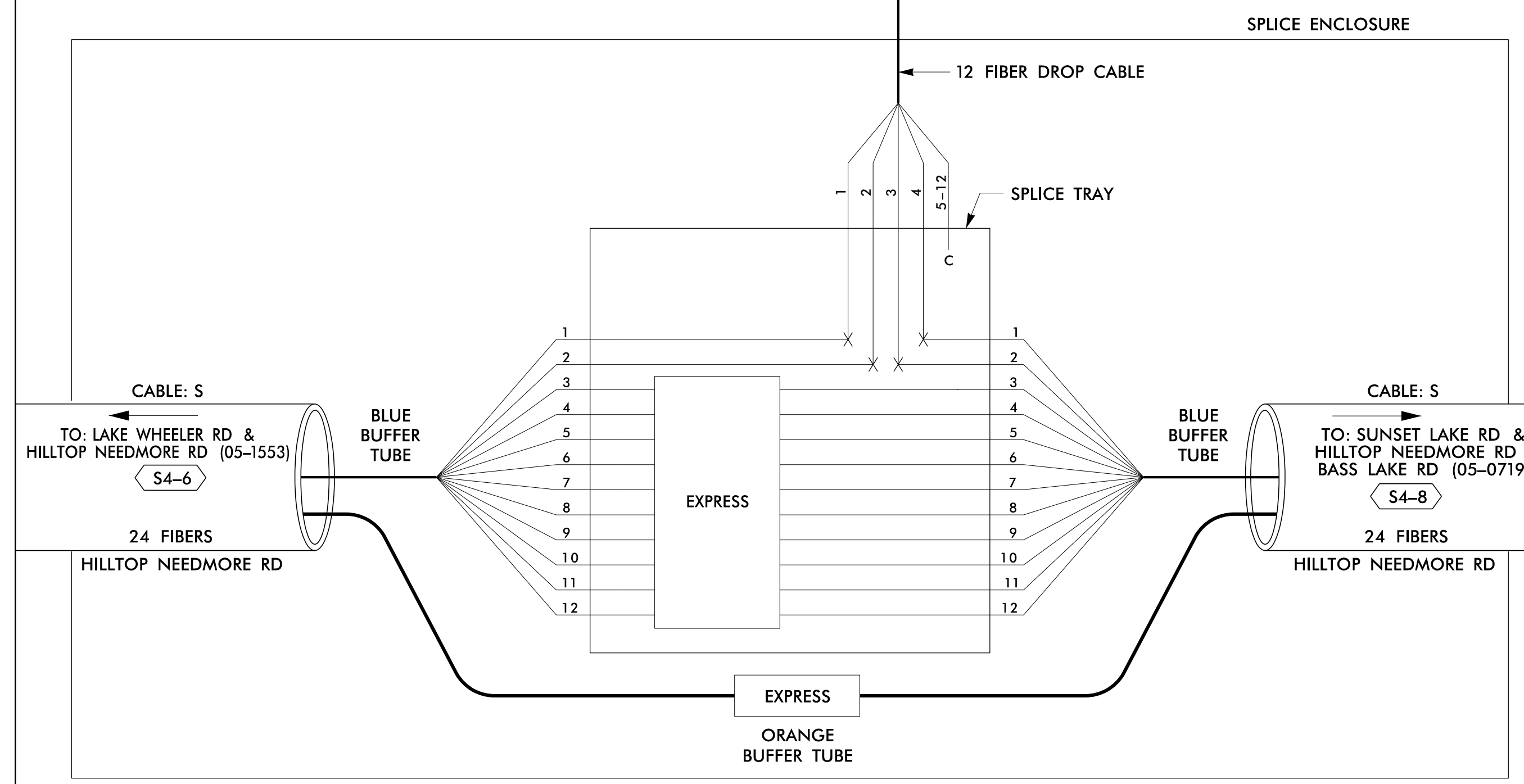
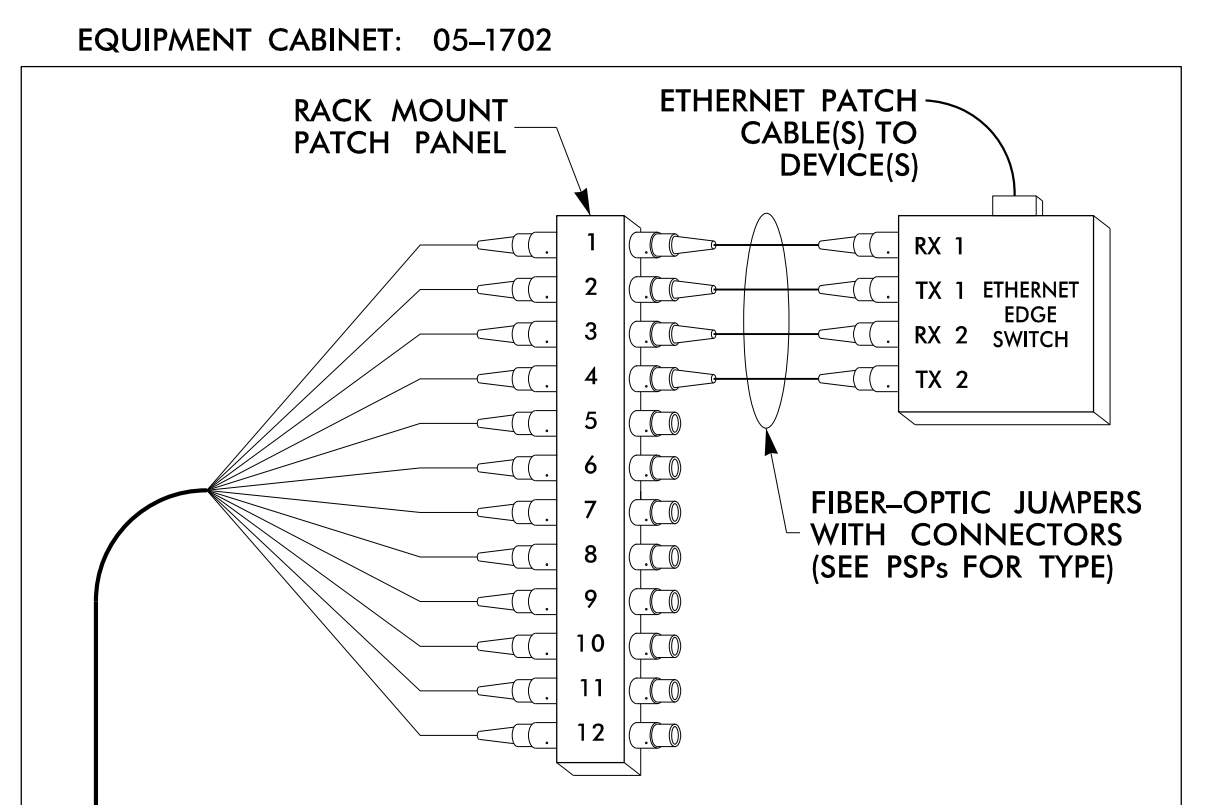
SPLICE NO.
S4-6

LAKE WHEELER RD & HILLTOP NEEDMORE RD
SEE: SCP-66



SPLICE NO.
S4-7

HILLTOP NEEDMORE RD & JOHNSON POND RD
SEE: SCP-63



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	C = CAP AND SEAL
(2) ORANGE	(8) BLACK	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(3) GREEN	(9) YELLOW	BUFFER SPLICE SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(4) BROWN	(10) VIOLET	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

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1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

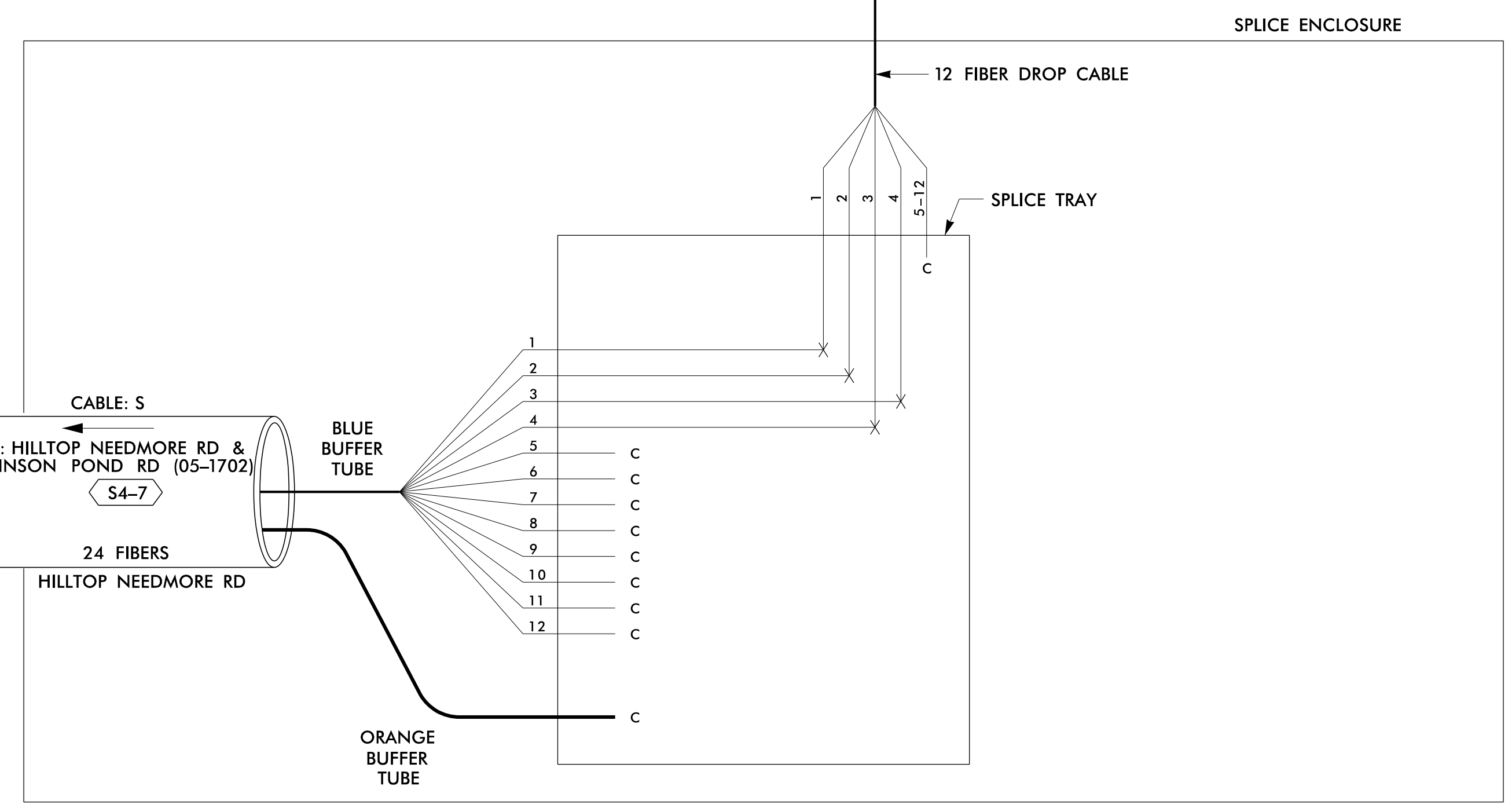
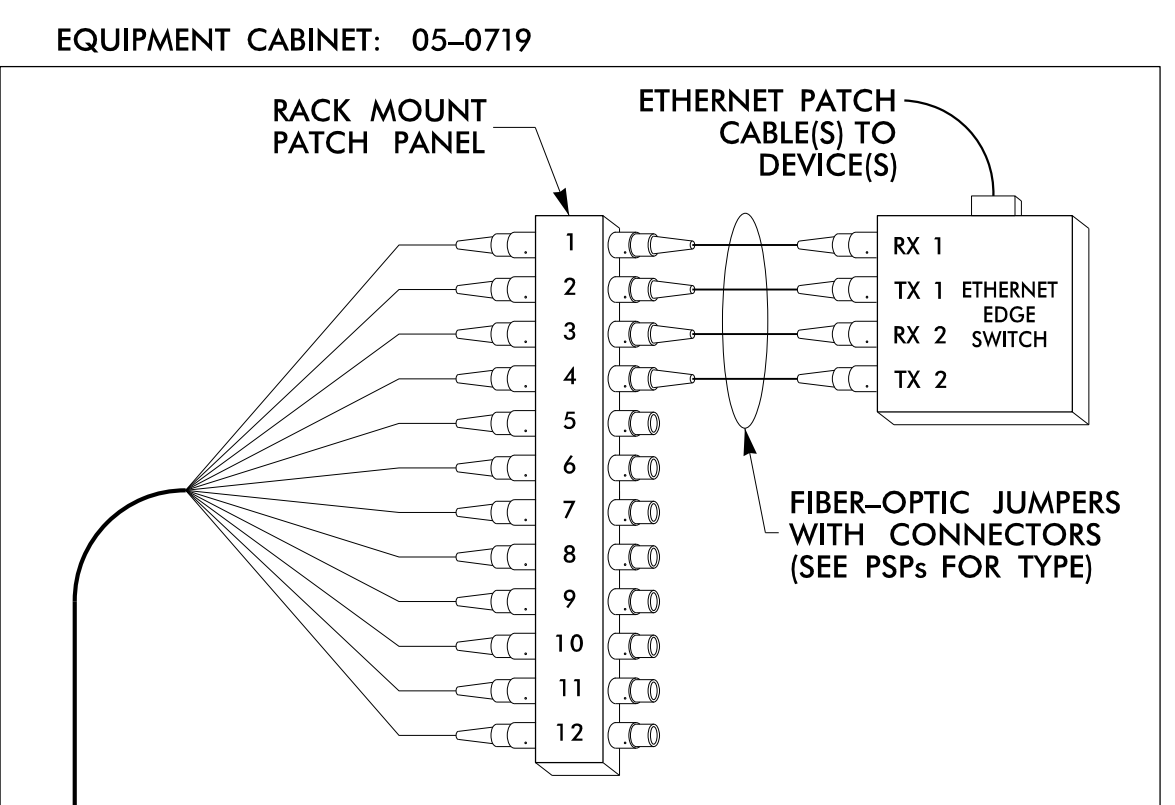
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	Prepared for the Offices of: Fuquay-Varina Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER BRADFORD J. SLOCUM
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 REVIEWED BY: BJ Slocum PREPARED BY: JT Stiff REVIEWED BY: MB Toth	SCALE: N/A REVISIONS: _____ INIT. DATE: _____ _____	

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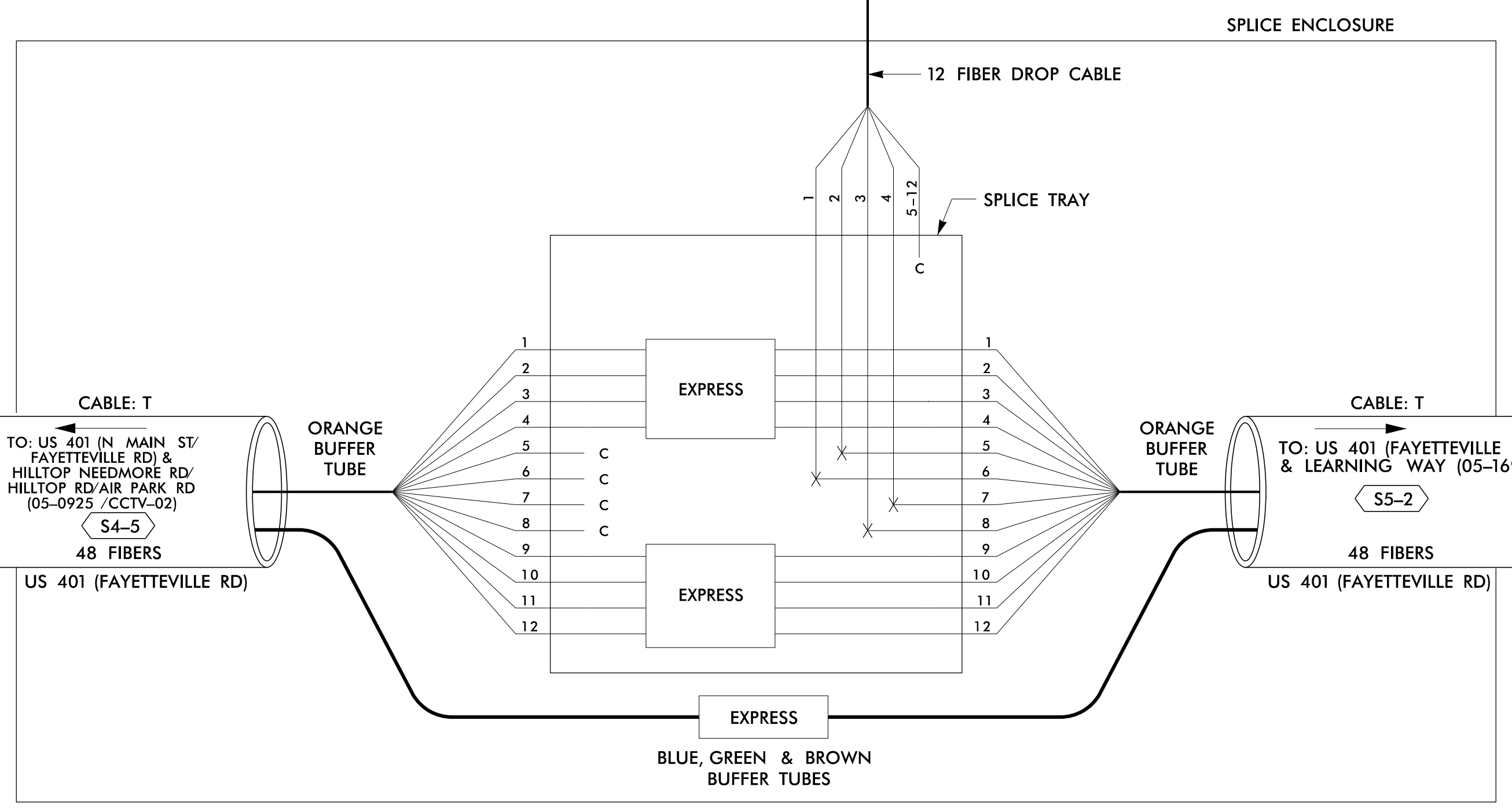
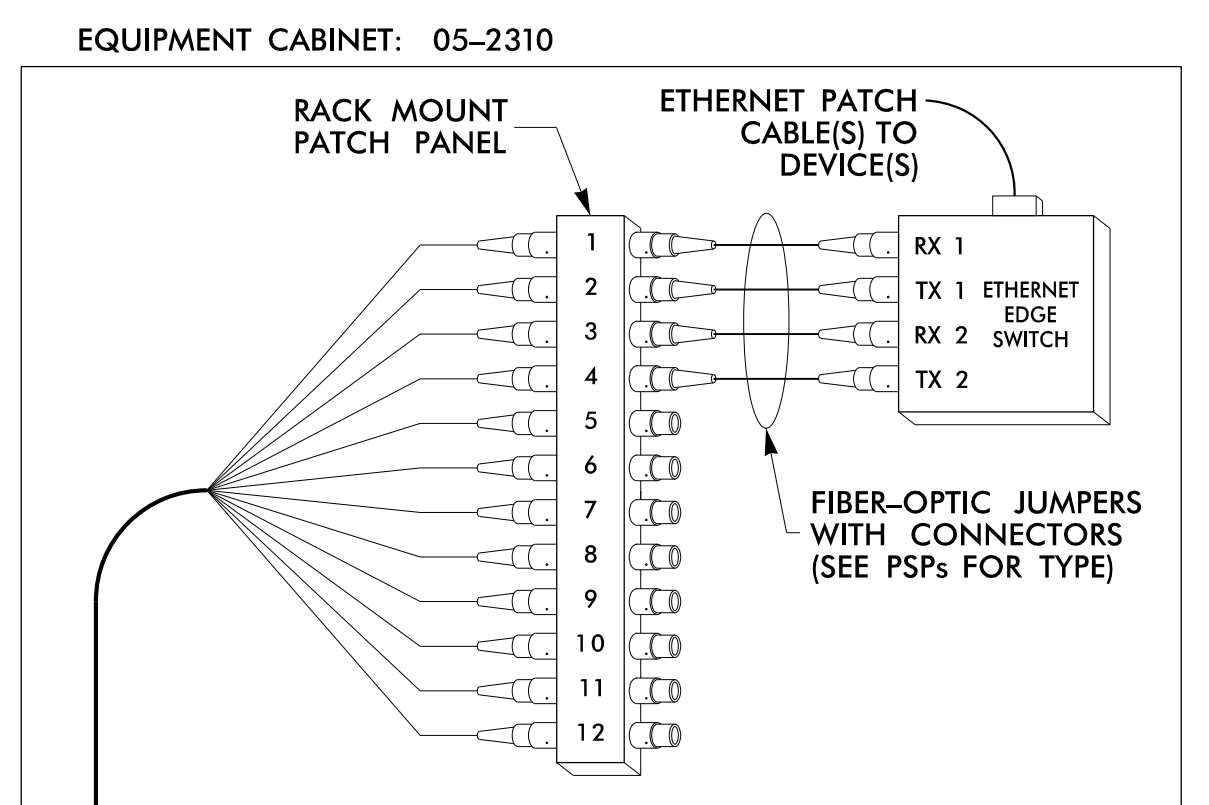
SPLICE NO.
S4-8

SUNSET LAKE RD & HILLTOP NEEDMORE RD /BASS LAKE RD
SEE: SCP-55



SPLICE NO.
S5-1

US 401 (FAYETTEVILLE RD) & BANKS RD
SEE: SCP-30



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LEGEND

X = FUSION SPLICE INDIVIDUAL FIBER		C = CAP AND SEAL	
COLOR CODE TIA/EIA 598-B		EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(1) BLUE	(7) RED	BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(2) ORANGE	(8) BLACK	EXISTING	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

NOTES

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- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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ATKINS

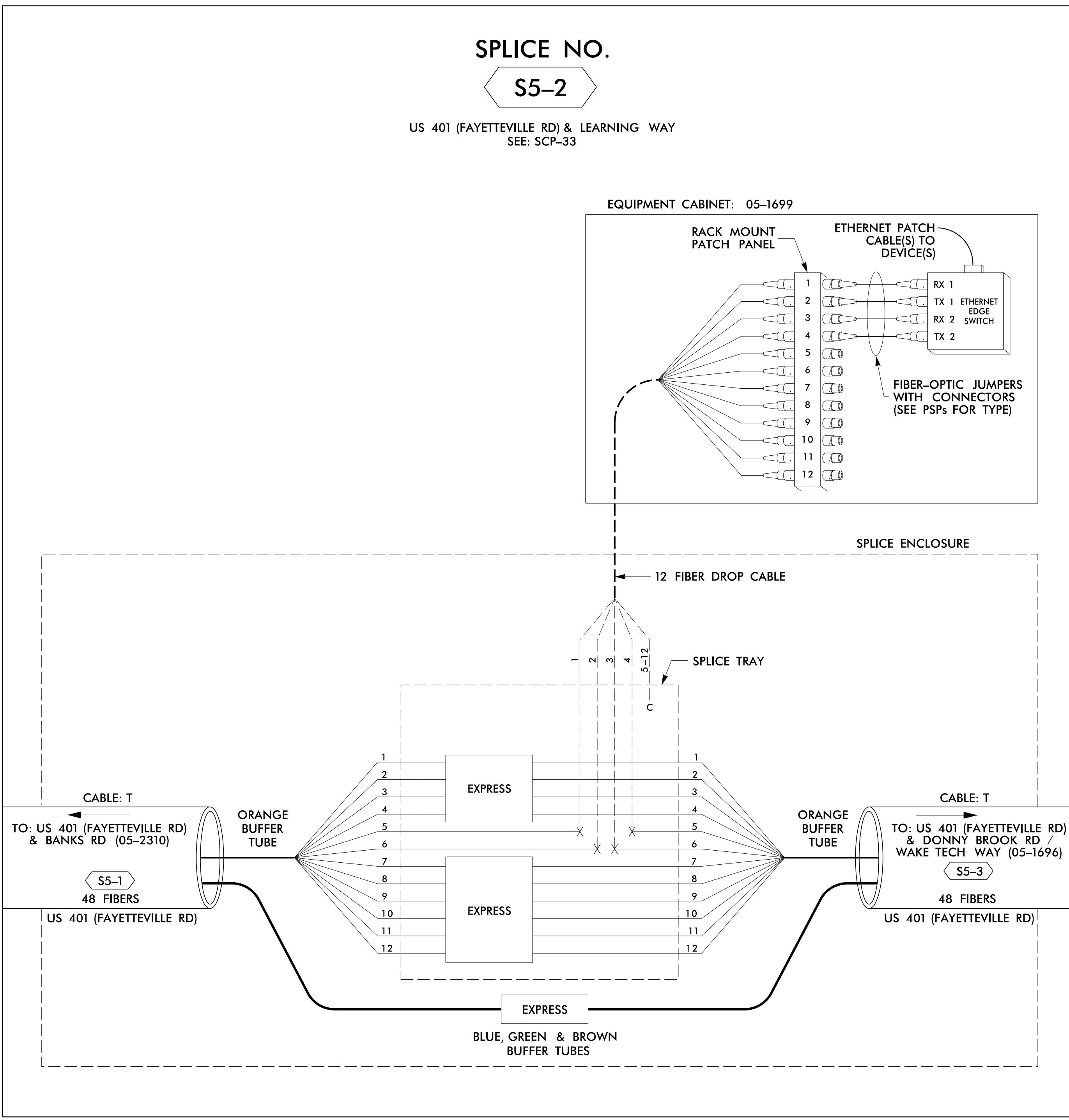
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	Fuquay-Varina Signal System Fiber-Optic Splicing Details		
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth	
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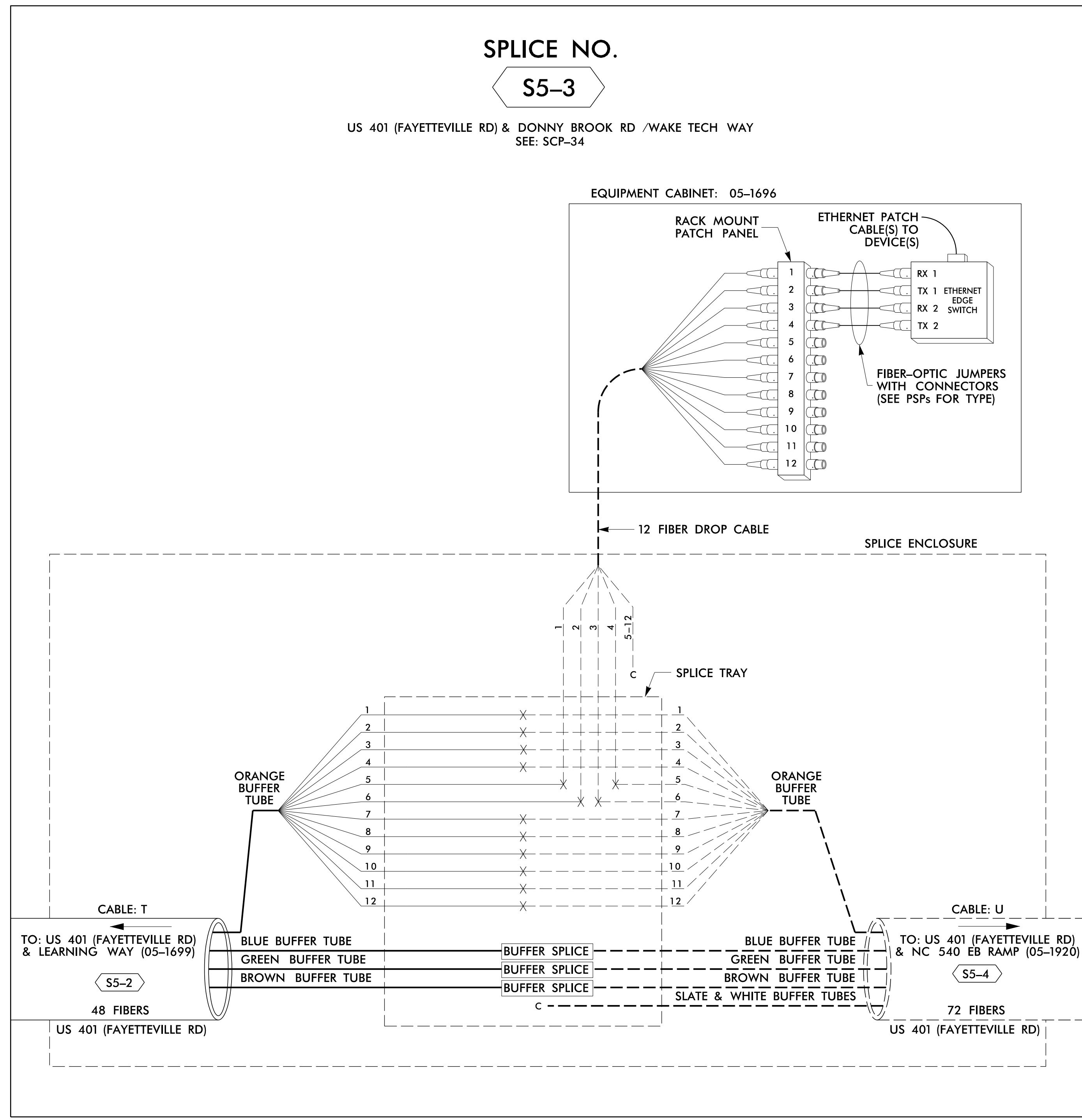
SPLICE NO.
S5-2

US 401 (FAYETTEVILLE RD) & LEARNING WAY
SEE: SCP-33



SPLICE NO.
S5-3

US 401 (FAYETTEVILLE RD) & DONNY BROOK RD / WAKE TECH WAY
SEE: SCP-34



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPlice INDIVIDUAL FIBER	
(1) BLUE	(7) RED	EXPRESS	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPlice	SPlice ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
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(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		

NOTES

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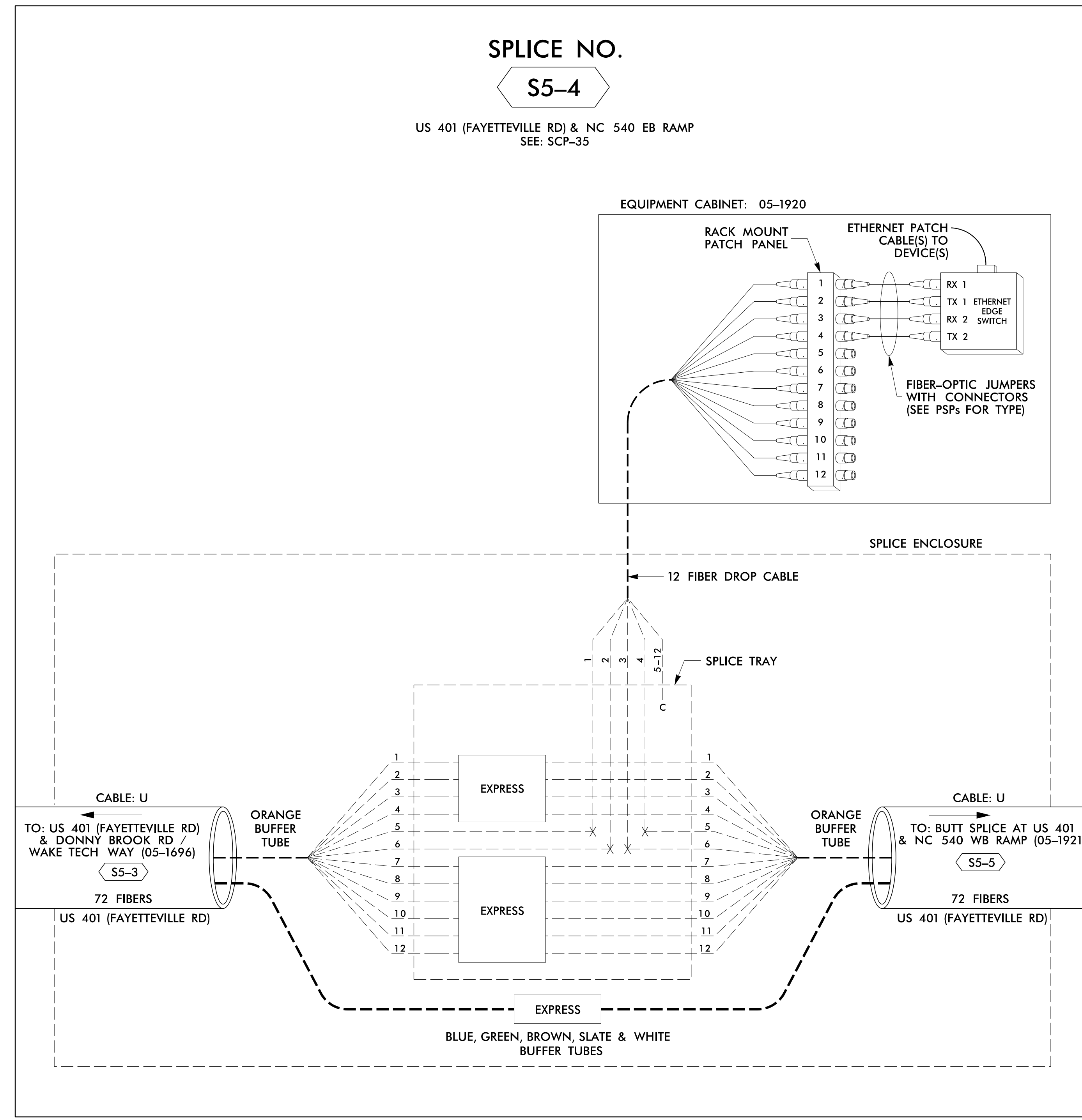
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

	<p>Fuquay-Varina Signal System Fiber-Optic Splicing Details</p>		
	<p>Division 5 Wake County Fuquay-Varina</p> <p>PLAN DATE: August 2022 REVIEWED BY: BJ Slocum</p> <p>PREPARED BY: JT Stiff REVIEWED BY: MB Toth</p>	<p>SCALE: N/A</p>	
<p>750 Greenfield Parkway, Garner, NC 27529</p>		<p>REVISIONS</p>	<p>INIT. DATE</p>
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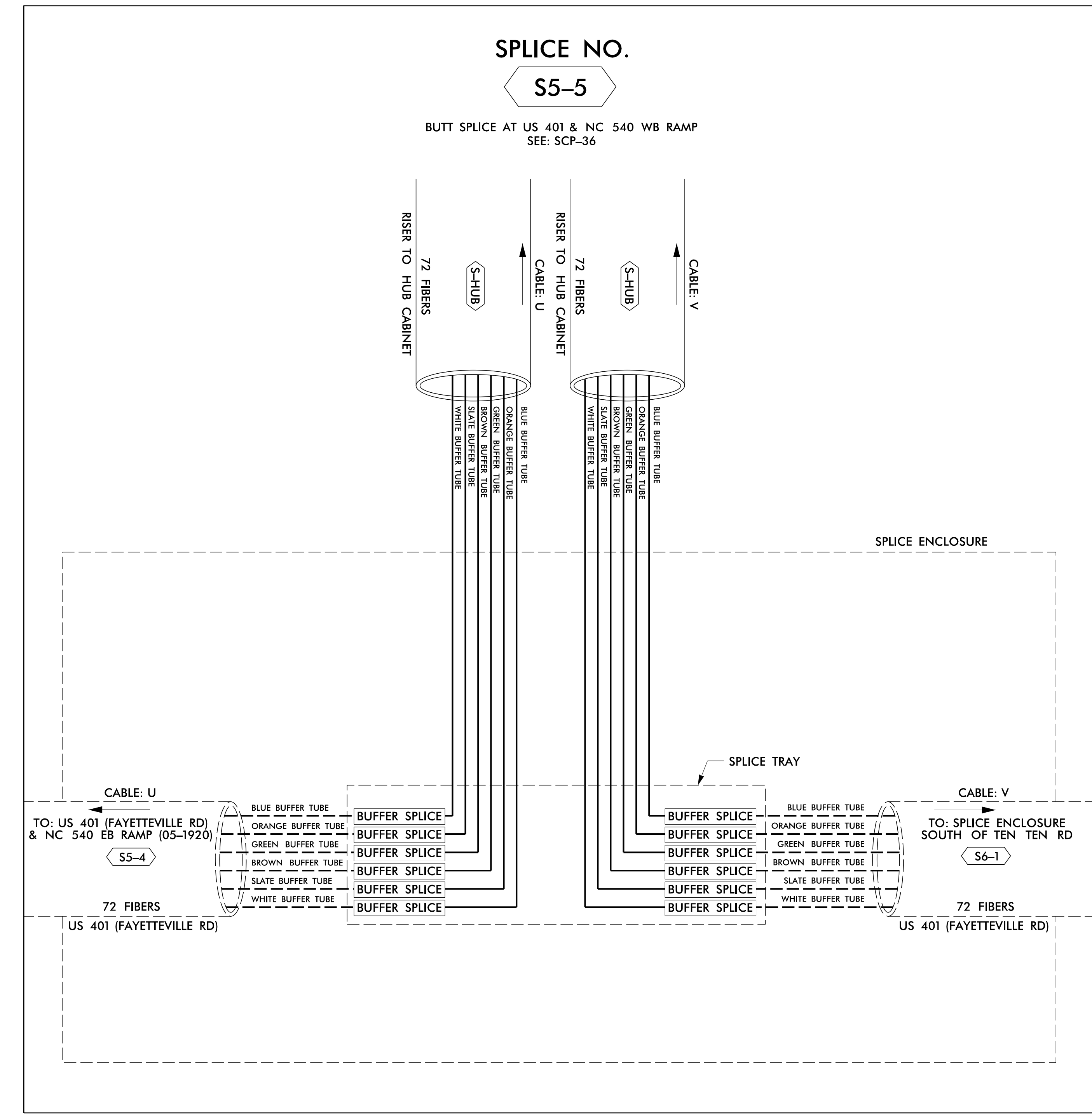
SPLICE NO.
S5-4

US 401 (FAYETTEVILLE RD) & NC 540 EB RAMP
SEE: SCP-35



SPLICE NO.
S5-5

BUTT SPLICE AT US 401 & NC 540 WB RAMP
SEE: SCP-36



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	
(3) GREEN	(9) YELLOW	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(6) WHITE	(12) AQUA	

NOTES

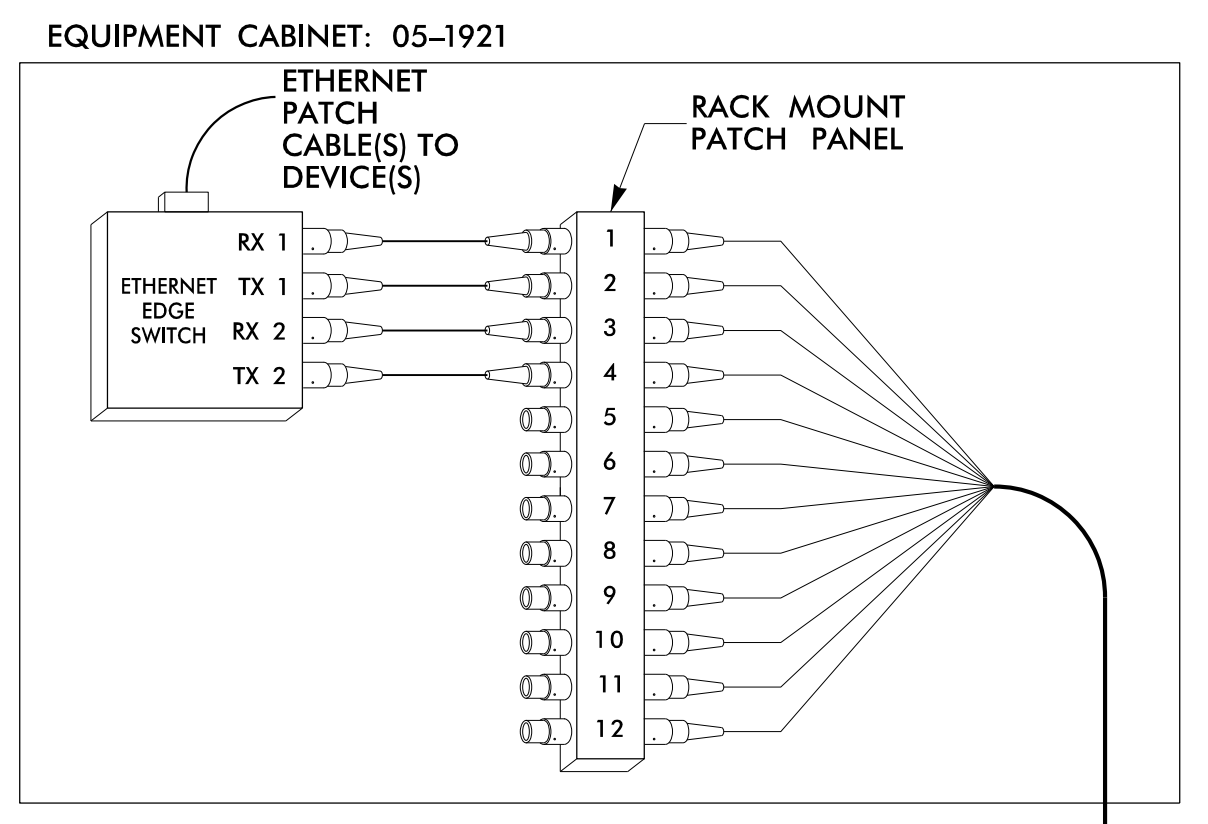
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
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1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

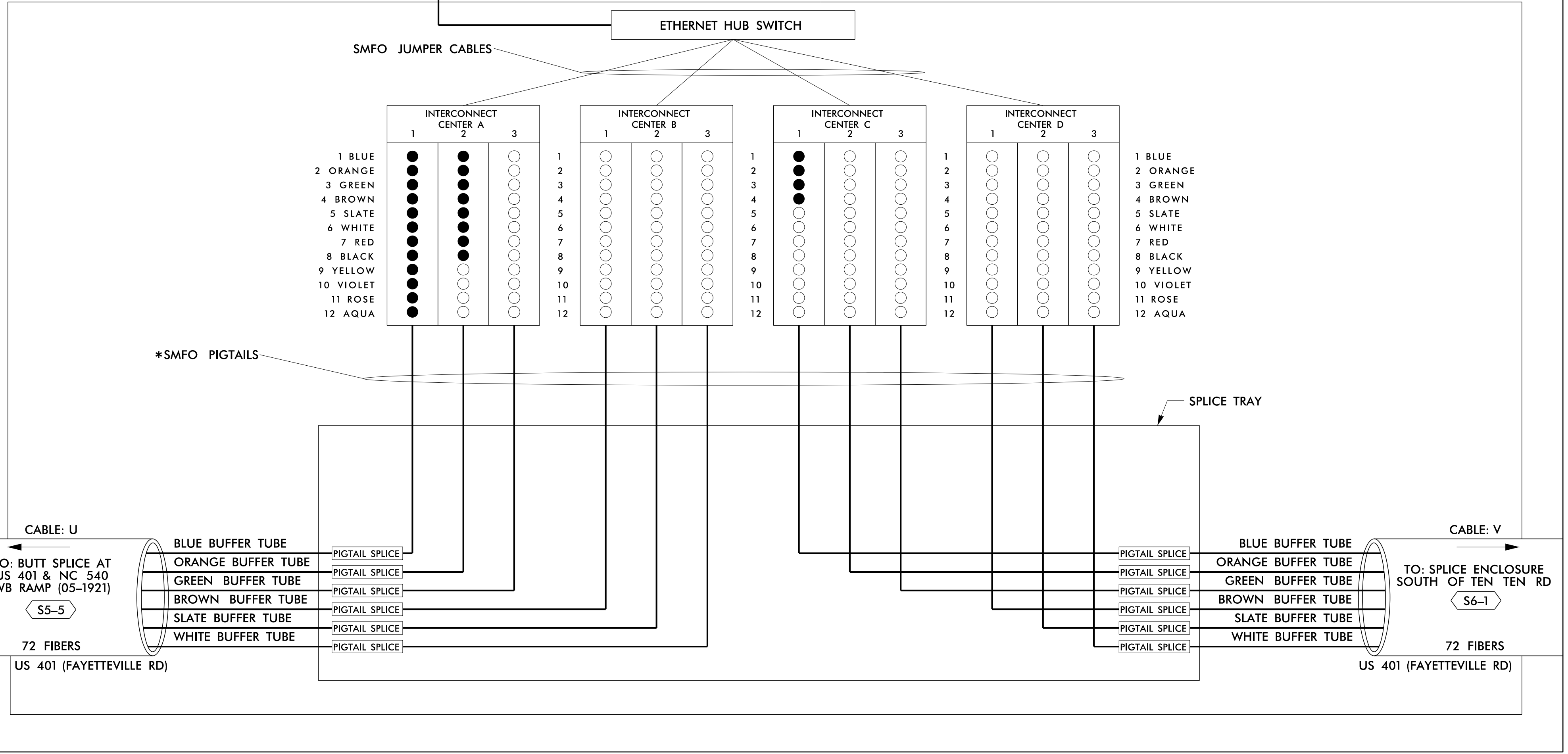
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	<p>Division 5 Wake County Fuquay-Varina</p>	<p>PLAN DATE: August 2022</p>	
<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: MB Toth</p>	<p>DATE</p>
<p>SCALE: N/A</p>	<p>REVISIONS</p>	<p>INIT.</p>	<p>DATE</p>
<p>CADD Filename: Splice-28.dgn</p>			



SPLICE NO. S-HUB

US 401 (FAYETTEVILLE RD) & NC 540 WB RAMP SEE: SCP-36

HUB CABINET



INTERCONNECT CENTER A (CABLE U) INTERCONNECT CENTER B (CABLE U)

SLOT 1 (BLUE BUFFER TUBE)			SLOT 1 (BLUE BUFFER TUBE)		
1 BLUE	RING 1 TX	DARK	1 BLUE	RING 1 RX	DARK
2 ORANGE	RING 1+RX	DARK	2 ORANGE	RING 2 TX	DARK
3 GREEN	RING 2+TX	DARK	3 GREEN	RING 2+RX	DARK
4 BROWN	RING 3 TX	DARK	4 BROWN	RING 3 RX	DARK
5 SLATE	RING 3+RX	DARK	5 SLATE	RING 4 TX	DARK
6 WHITE	RING 4 TX	DARK	6 WHITE	RING 4 RX	DARK
7 RED	RING 4+RX	DARK	7 RED	RING 5 TX	DARK
8 BLACK	RING 5 TX	DARK	8 BLACK	RING 5 RX	DARK
9 YELLOW	RING 5+RX	DARK	9 YELLOW	RING 6 TX	DARK
10 VIOLET	RING 6 TX	DARK	10 VIOLET	RING 6 RX	DARK
11 ROSE	RING 6+RX	DARK	11 ROSE	RING 7 TX	DARK
12 AQUA	RING 7 TX	DARK	12 AQUA	RING 7 RX	DARK

SLOT 2 (ORANGE BUFFER TUBE)			SLOT 2 (ORANGE BUFFER TUBE)		
1 BLUE	RING 4 TX	DARK	1 BLUE	RING 4 RX	DARK
2 ORANGE	RING 4+RX	DARK	2 ORANGE	RING 5 TX	DARK
3 GREEN	RING 5 TX	DARK	3 GREEN	RING 5 RX	DARK
4 BROWN	RING 5+RX	DARK	4 BROWN	RING 6 TX	DARK
5 SLATE	RING 6 TX	DARK	5 SLATE	RING 6 RX	DARK
6 WHITE	RING 6+RX	DARK	6 WHITE	RING 7 TX	DARK
7 RED	RING 7 TX	DARK	7 RED	RING 7 RX	DARK
8 BLACK	RING 7+RX	DARK	8 BLACK	RING 8 TX	DARK
9 YELLOW	RING 8 TX	DARK	9 YELLOW	RING 8 RX	DARK
10 VIOLET	RING 8+RX	DARK	10 VIOLET	RING 9 TX	DARK
11 ROSE	RING 9 TX	DARK	11 ROSE	RING 9 RX	DARK
12 AQUA	RING 9+RX	DARK	12 AQUA	RING 10 TX	DARK

SLOT 3 (GREEN BUFFER TUBE)			SLOT 3 (GREEN BUFFER TUBE)		
1 BLUE	DARK	DARK	1 BLUE	DARK	DARK
2 ORANGE	DARK	DARK	2 ORANGE	DARK	DARK
3 GREEN	DARK	DARK	3 GREEN	DARK	DARK
4 BROWN	DARK	DARK	4 BROWN	DARK	DARK
5 SLATE	DARK	DARK	5 SLATE	DARK	DARK
6 WHITE	DARK	DARK	6 WHITE	DARK	DARK
7 RED	DARK	DARK	7 RED	DARK	DARK
8 BLACK	DARK	DARK	8 BLACK	DARK	DARK
9 YELLOW	DARK	DARK	9 YELLOW	DARK	DARK
10 VIOLET	DARK	DARK	10 VIOLET	DARK	DARK
11 ROSE	DARK	DARK	11 ROSE	DARK	DARK
12 AQUA	DARK	DARK	12 AQUA	DARK	DARK

INTERCONNECT CENTER C (CABLE V) INTERCONNECT CENTER D (CABLE V)

SLOT 1 (BLUE BUFFER TUBE)			SLOT 1 (BLUE BUFFER TUBE)		
1 BLUE	RING 6 TX	DARK	1 BLUE	RING 6 RX	DARK
2 ORANGE	RING 6+RX	DARK	2 ORANGE	RING 7 TX	DARK
3 GREEN	RING 7 TX	DARK	3 GREEN	RING 7 RX	DARK
4 BROWN	RING 7+RX	DARK	4 BROWN	RING 8 TX	DARK
5 SLATE	RING 8 TX	DARK	5 SLATE	RING 8 RX	DARK
6 WHITE	RING 8+RX	DARK	6 WHITE	RING 9 TX	DARK
7 RED	RING 9 TX	DARK	7 RED	RING 9 RX	DARK
8 BLACK	RING 9+RX	DARK	8 BLACK	RING 10 TX	DARK
9 YELLOW	RING 10 TX	DARK	9 YELLOW	RING 10 RX	DARK
10 VIOLET	RING 10+RX	DARK	10 VIOLET	RING 11 TX	DARK
11 ROSE	RING 11 TX	DARK	11 ROSE	RING 11 RX	DARK
12 AQUA	RING 11+RX	DARK	12 AQUA	RING 12 TX	DARK

SLOT 2 (ORANGE BUFFER TUBE)			SLOT 2 (ORANGE BUFFER TUBE)		
1 BLUE	DARK	DARK	1 BLUE	DARK	DARK
2 ORANGE	DARK	DARK	2 ORANGE	DARK	DARK
3 GREEN	DARK	DARK	3 GREEN	DARK	DARK
4 BROWN	DARK	DARK	4 BROWN	DARK	DARK
5 SLATE	DARK	DARK	5 SLATE	DARK	DARK
6 WHITE	DARK	DARK	6 WHITE	DARK	DARK
7 RED	DARK	DARK	7 RED	DARK	DARK
8 BLACK	DARK	DARK	8 BLACK	DARK	DARK
9 YELLOW	DARK	DARK	9 YELLOW	DARK	DARK
10 VIOLET	DARK	DARK	10 VIOLET	DARK	DARK
11 ROSE	DARK	DARK	11 ROSE	DARK	DARK
12 AQUA	DARK	DARK	12 AQUA	DARK	DARK

SLOT 3 (GREEN BUFFER TUBE)			SLOT 3 (GREEN BUFFER TUBE)		
1 BLUE	DARK	DARK	1 BLUE	DARK	DARK
2 ORANGE	DARK	DARK	2 ORANGE	DARK	DARK
3 GREEN	DARK	DARK	3 GREEN	DARK	DARK
4 BROWN	DARK	DARK	4 BROWN	DARK	DARK
5 SLATE	DARK	DARK	5 SLATE	DARK	DARK
6 WHITE	DARK	DARK	6 WHITE	DARK	DARK
7 RED	DARK	DARK	7 RED	DARK	DARK
8 BLACK	DARK	DARK	8 BLACK	DARK	DARK
9 YELLOW	DARK	DARK	9 YELLOW	DARK	DARK
10 VIOLET	DARK	DARK	10 VIOLET	DARK	DARK
11 ROSE	DARK	DARK	11 ROSE	DARK	DARK
12 AQUA	DARK	DARK	12 AQUA	DARK	DARK

* SMFO PIGTAILS TO BE SPLICED TO BUFFER TUBES COLOR TO COLOR.

LEGEND

COLOR CODE	
TIA/EIA 598-B	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA
EXPRESS	EXPRESS ENTIRE BUFFER TUBE/FIBERS THROUGH WITHOUT CUTTING
BUFFER SPLICE	SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR
EXISTING	EXISTING BUFFER TUBE/FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

ATKINS

1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

Division 5 Wake County Fuquay-Varina

PLAN DATE: August 2022 REVIEWED BY: BJ Slocum

PREPARED BY: JT Stiff REVIEWED BY: MB Toth

SCALE: N/A

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER BRADFORD J. SLOCUM

DATE: 4/14/2023

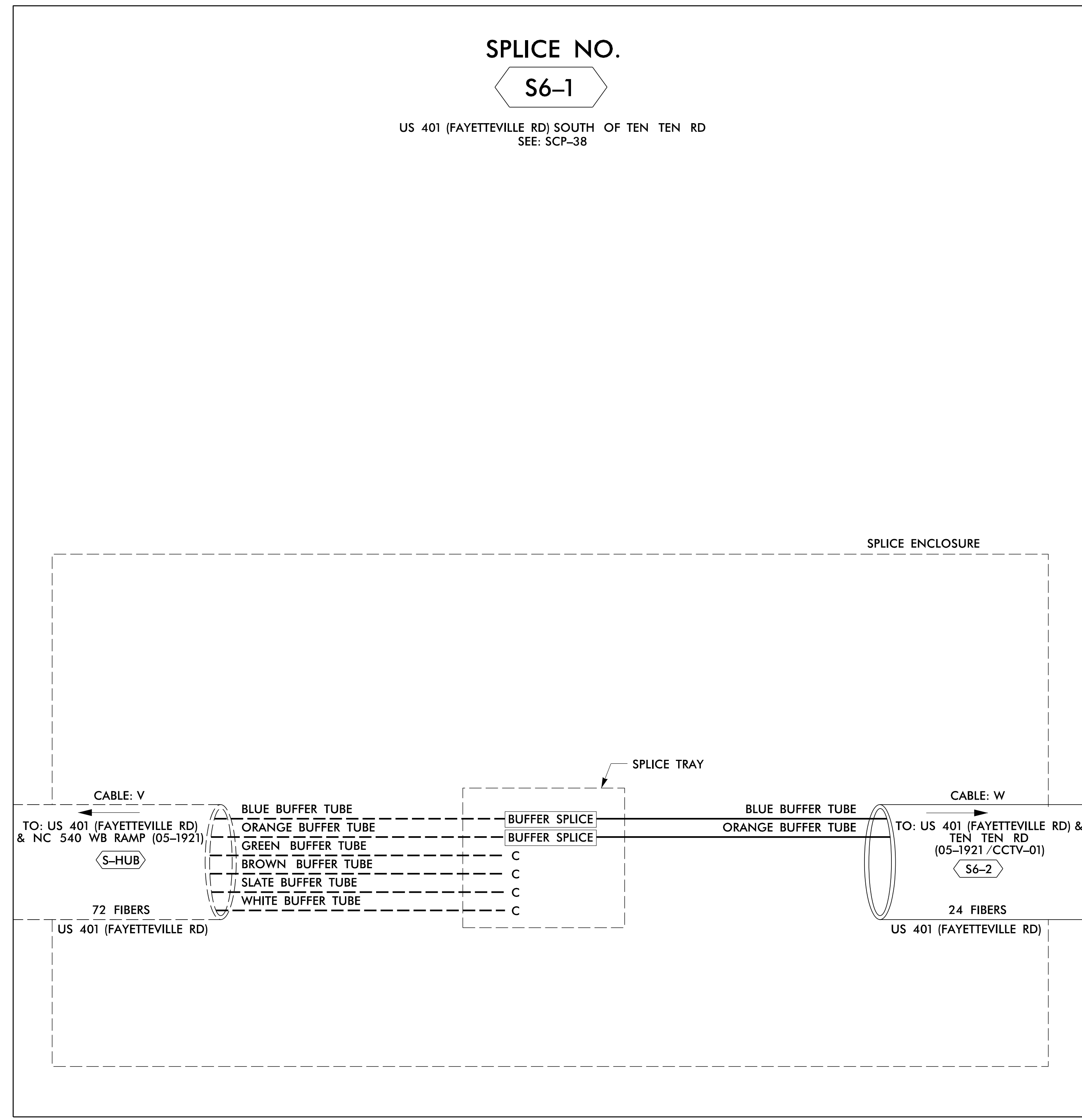
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SPLICE NO.

S6-1

US 401 (FAYETTEVILLE RD) SOUTH OF TEN TEN RD
SEE: SCP-38



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE
(3) GREEN	(9) YELLOW	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NOTES

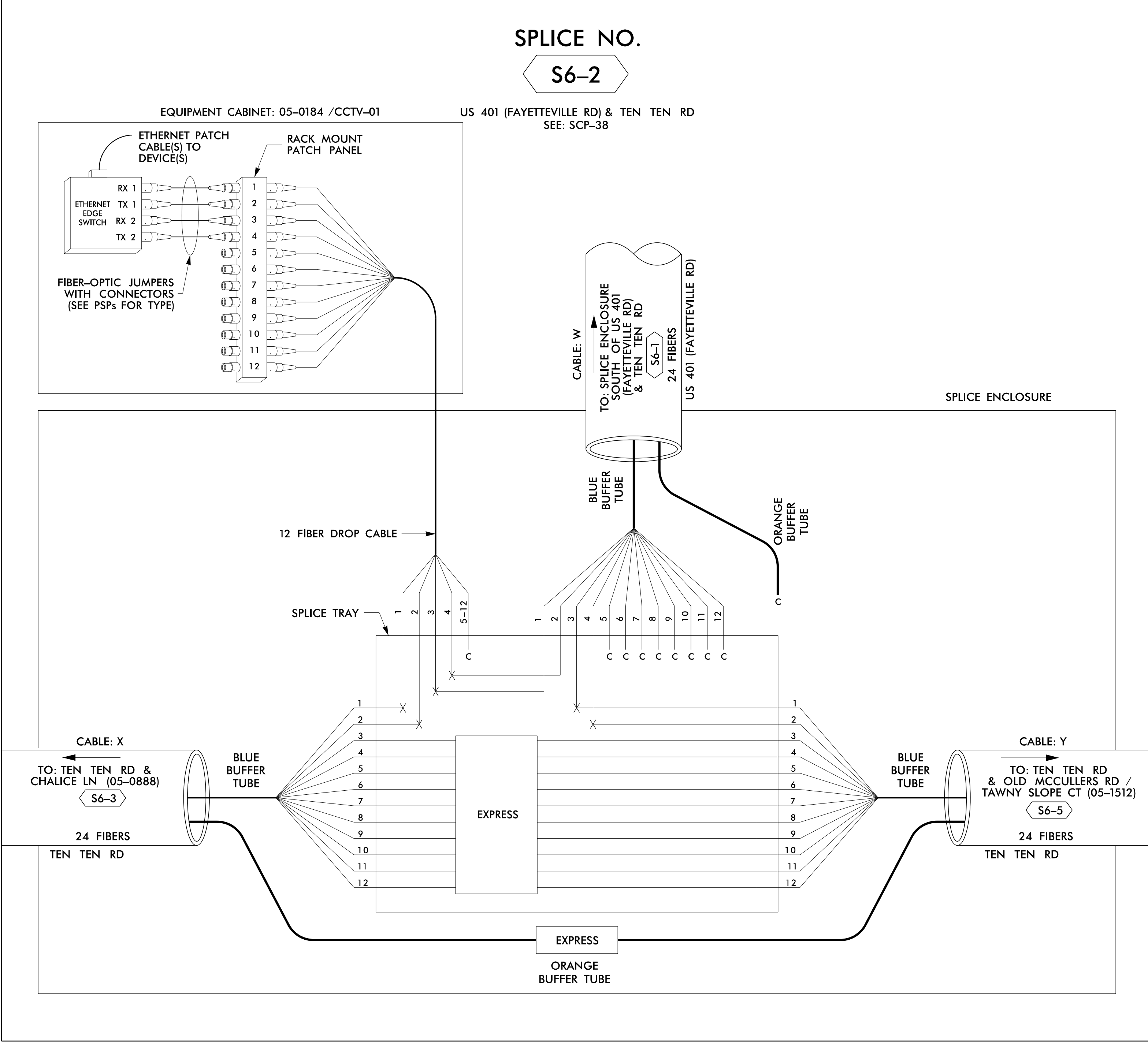
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLASURE
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(919) 876-6888 NCBEES #F-0326

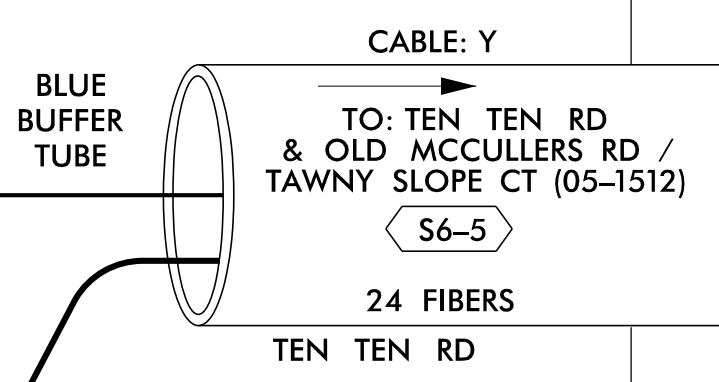
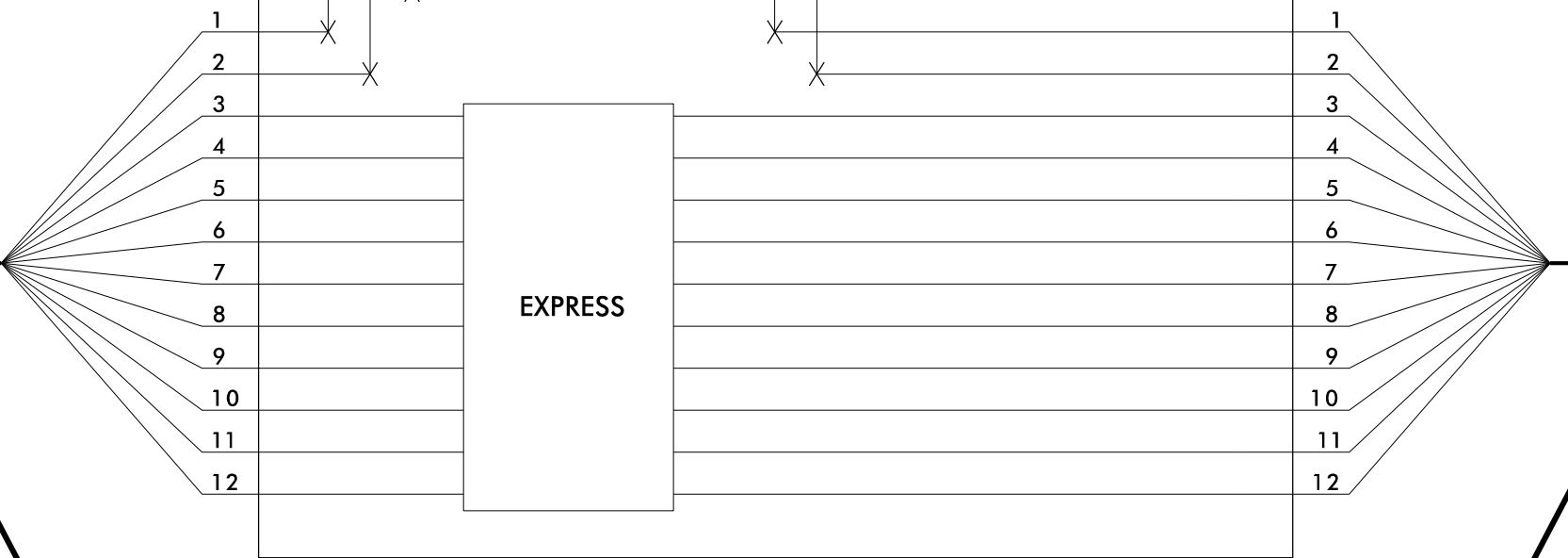
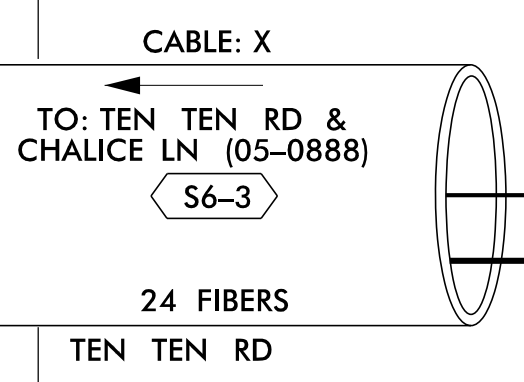
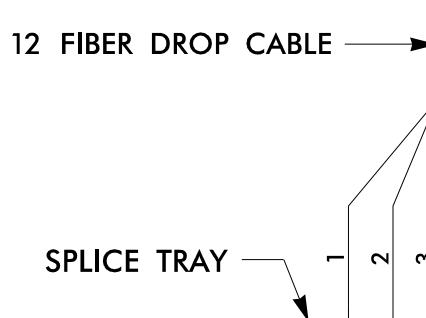
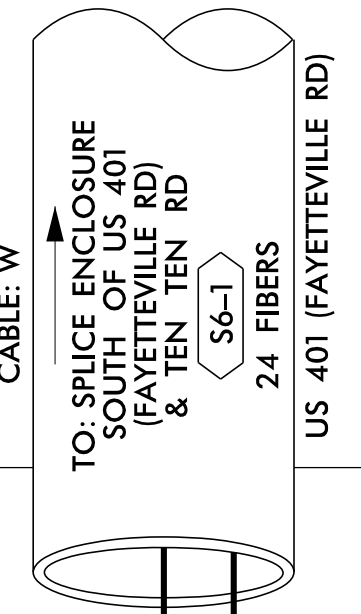
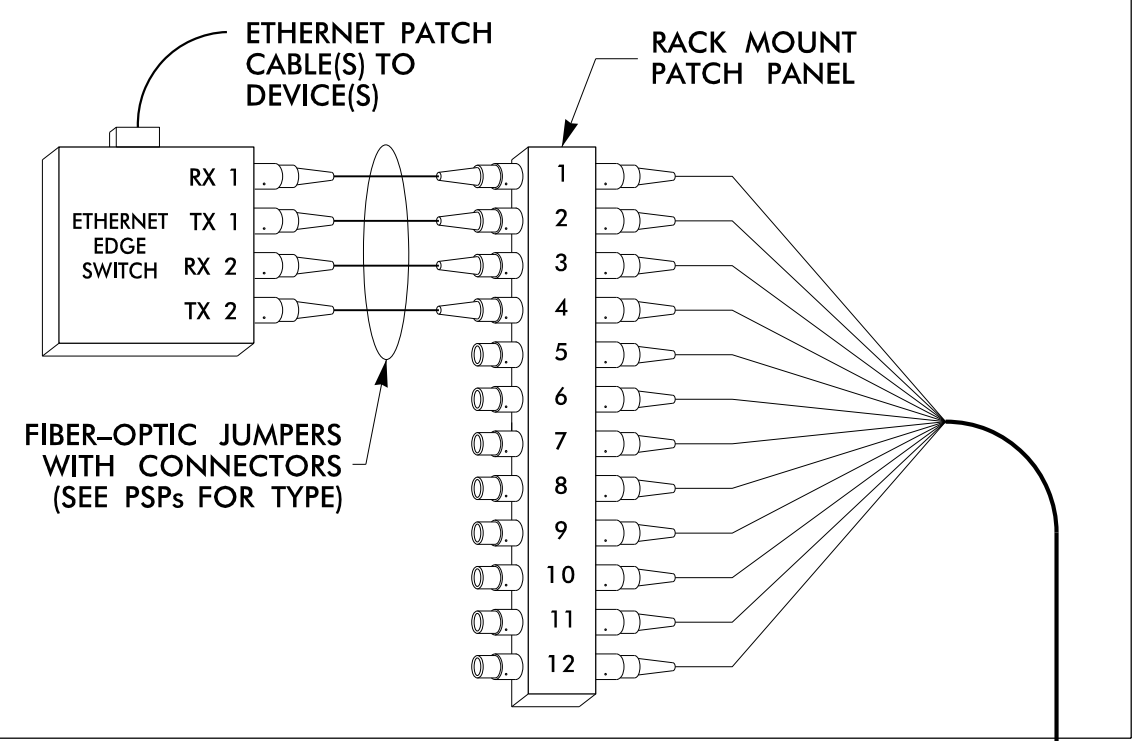
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UNLESS ALL SIGNATURES COMPLETED

	Fuquay-Varina Signal System Fiber-Optic Splicing Details		
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth	
CADD Filename: Splice-30.dgn			



SPLICE NO.
S6-2

EQUIPMENT CABINET: 05-0184 / CCTV-01
US 401 (FAYETTEVILLE RD) & TEN TEN RD
SEE: SCP-38



LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE
(3) GREEN	(9) YELLOW	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NOTES

- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE
- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

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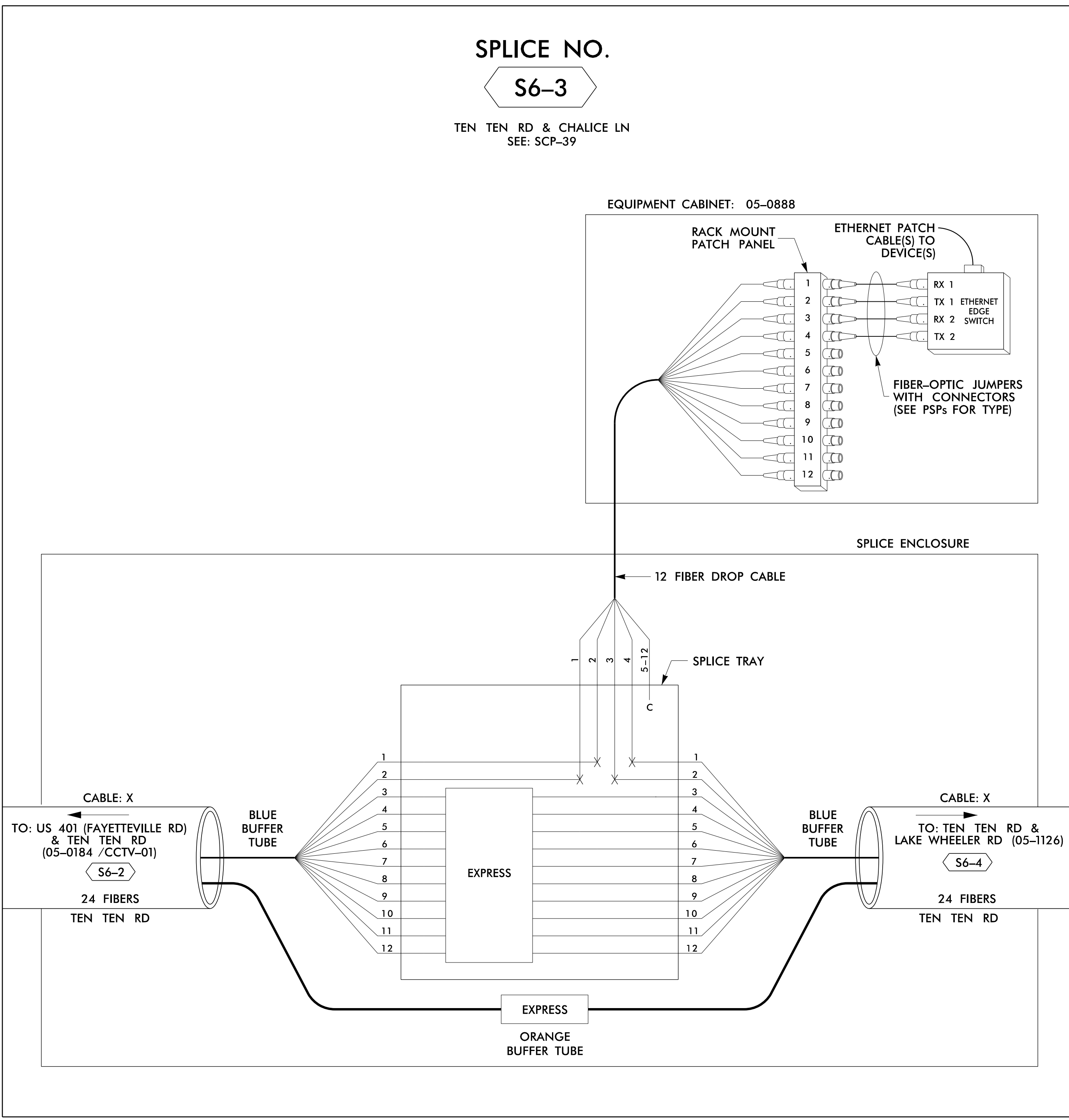
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	Division 5 Wake County Fuquay-Varina	PLAN DATE: August 2022	
SCALE: N/A	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	SEAL 040877 ENGINEER BRADFORD J. SLOCUM
750 Greenfield Parkway, Garner, NC 27529	REVISIONS	INIT. DATE	4/14/2023

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SPLICE NO.

S6-3

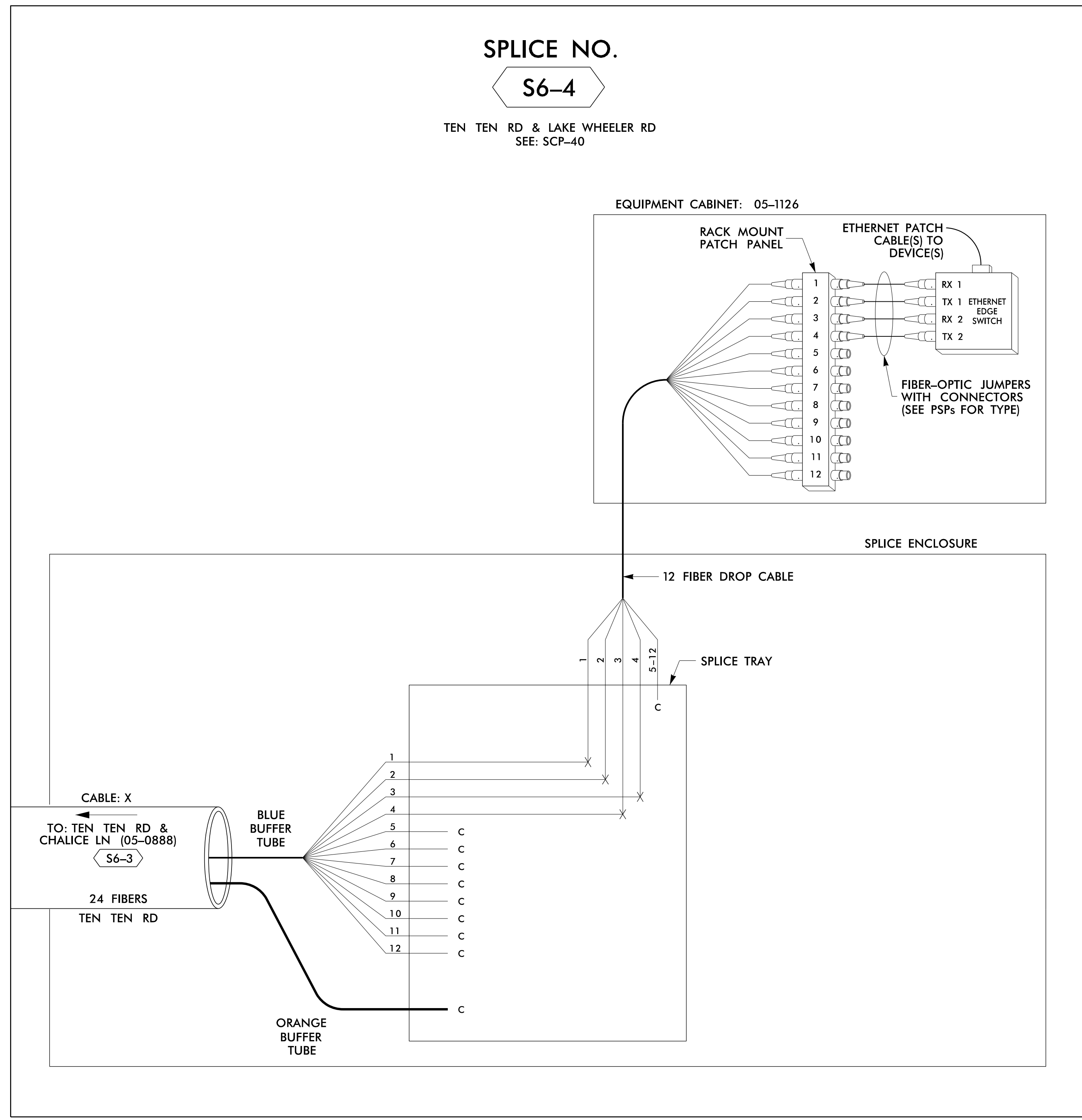
TEN TEN RD & CHALICE LN
SEE: SCP-39



SPLICE NO.

S6-4

TEN TEN RD & LAKE WHEELER RD
SEE: SCP-40



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LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	C = CAP AND SEAL
(2) ORANGE	(8) BLACK	EXPRESS
(3) GREEN	(9) YELLOW	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(4) BROWN	(10) VIOLET	BUFFER SPLICE
(5) SLATE	(11) ROSE	BUFFER SPLICE
(6) WHITE	(12) AQUA	BUFFER SPLICE
		EXISTING
		EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.

NOTES

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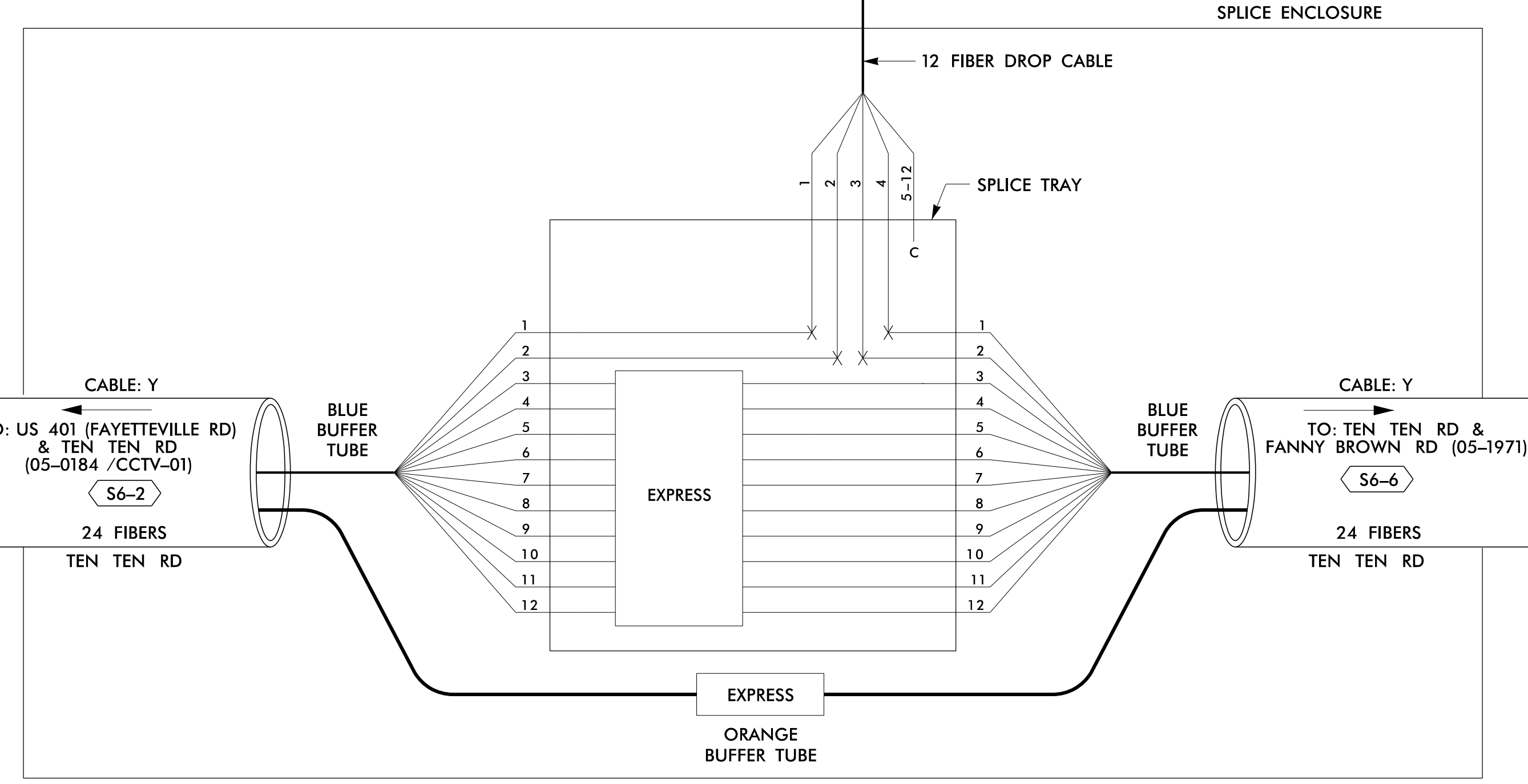
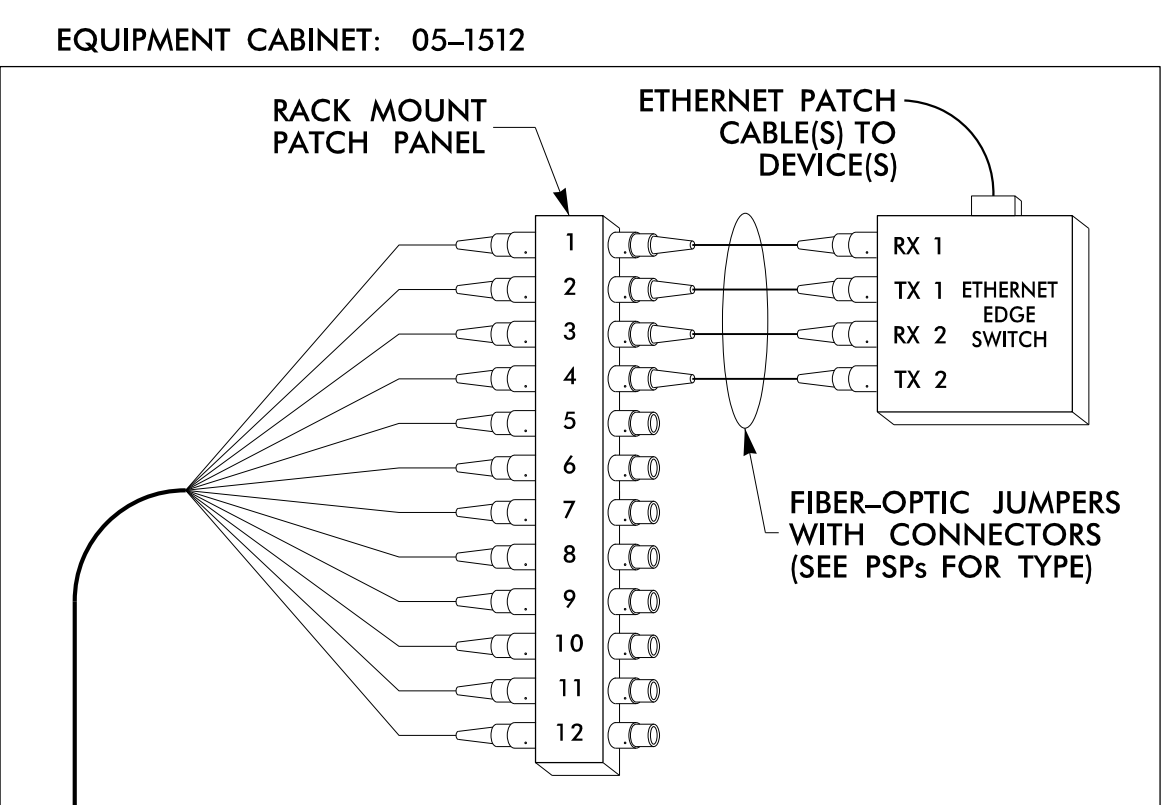
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RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

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	Prepared for the Offices of: Fuquay-Varina Signal System Fiber-Optic Splicing Details		SEAL NORTH CAROLINA PROFESSIONAL SEAL 040877 ENGINEER BRADFORD J. SLOCUM
	Division 5 Wake County Fuquay-Varina PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth	
SCALE N/A	REVISIONS	INIT. DATE	CADD Filename: Splice-32.dgn

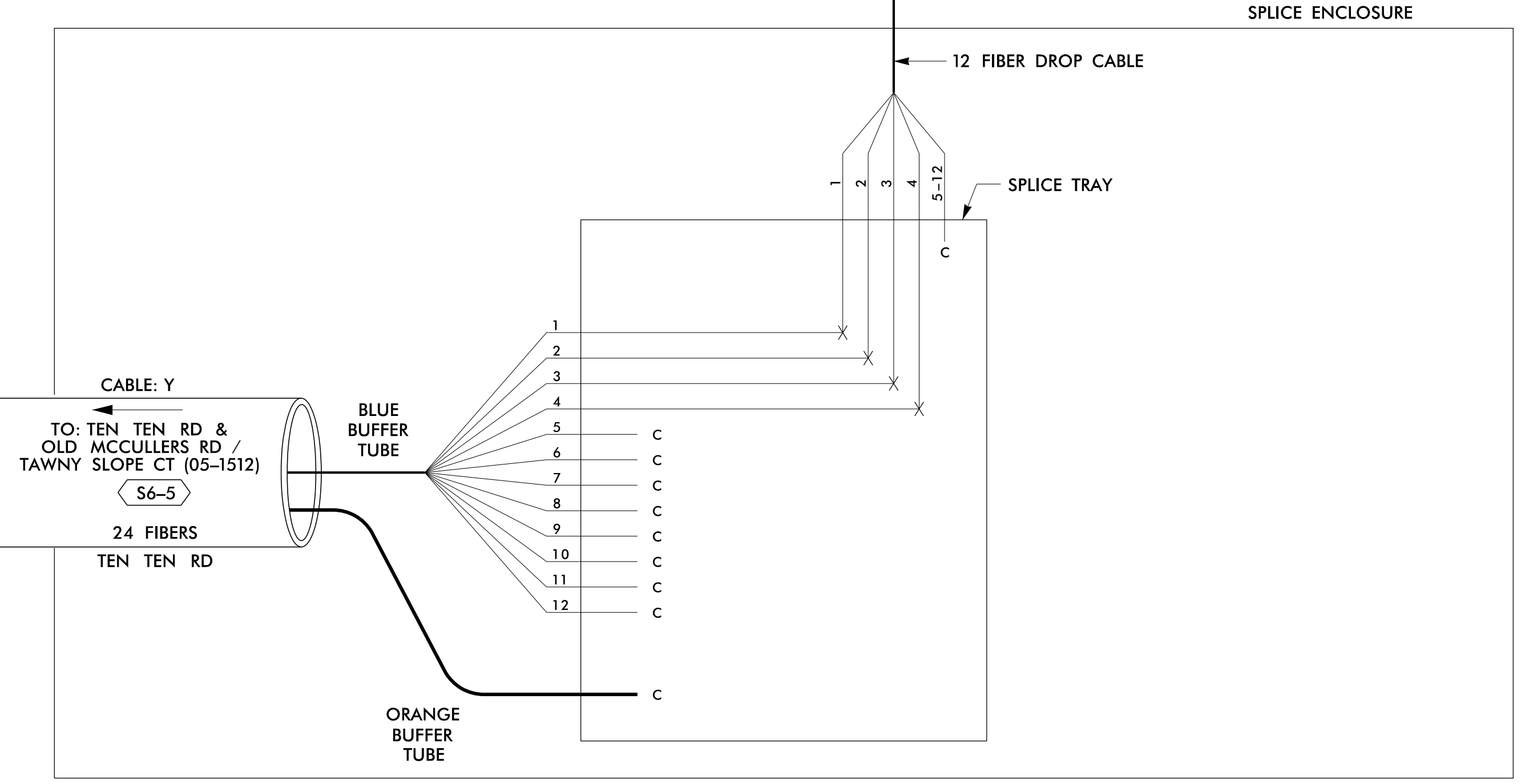
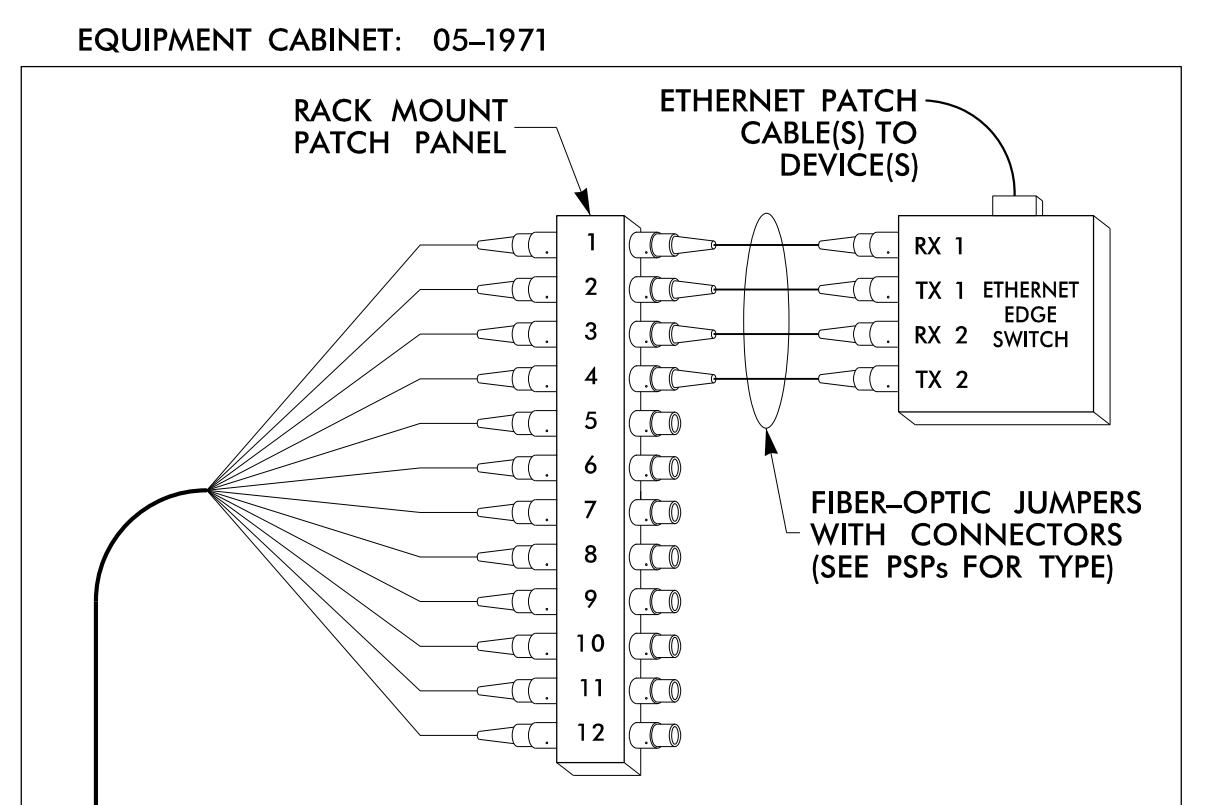
SPLICE NO.
S6-5

TEN TEN RD & OLD MCCULLERS RD /TAWNY SLOPE CT
SEE: SCP-103



SPLICE NO.
S6-6

TEN TEN RD & FANNY BROWN RD
SEE: SCP-105



LEGEND

COLOR CODE TIA/EIA 598-B		X = FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE	(7) RED	EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
(2) ORANGE	(8) BLACK	BUFFER SPLICE
(3) GREEN	(9) YELLOW	EXISTING BUFFER TUBE / FIBERS. DO NOT MODIFY EXISTING SPLICES OR EXPRESSED FIBERS.
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	
		C = CAP AND SEAL

NOTES

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- EDGE SWITCH CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.

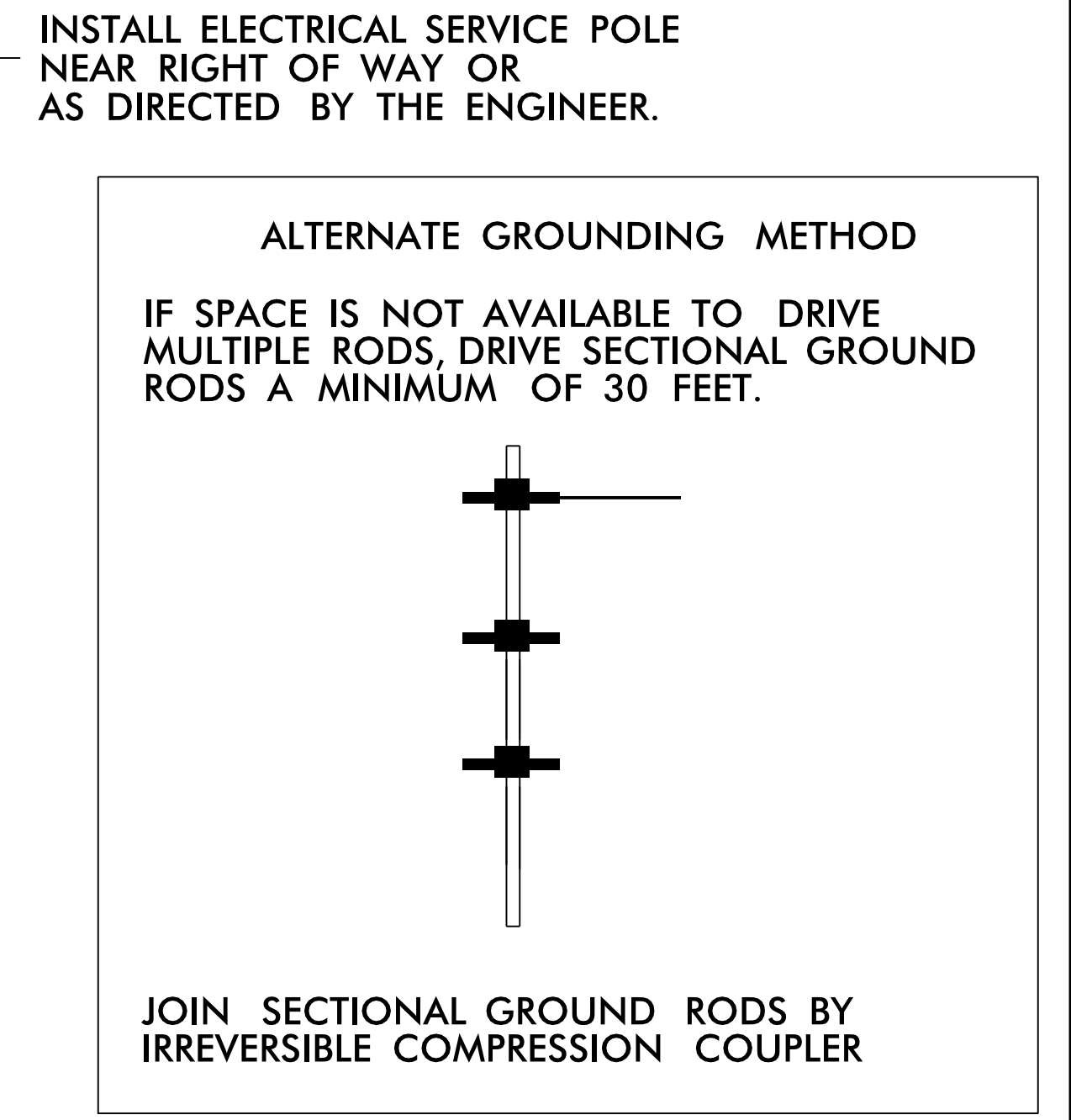
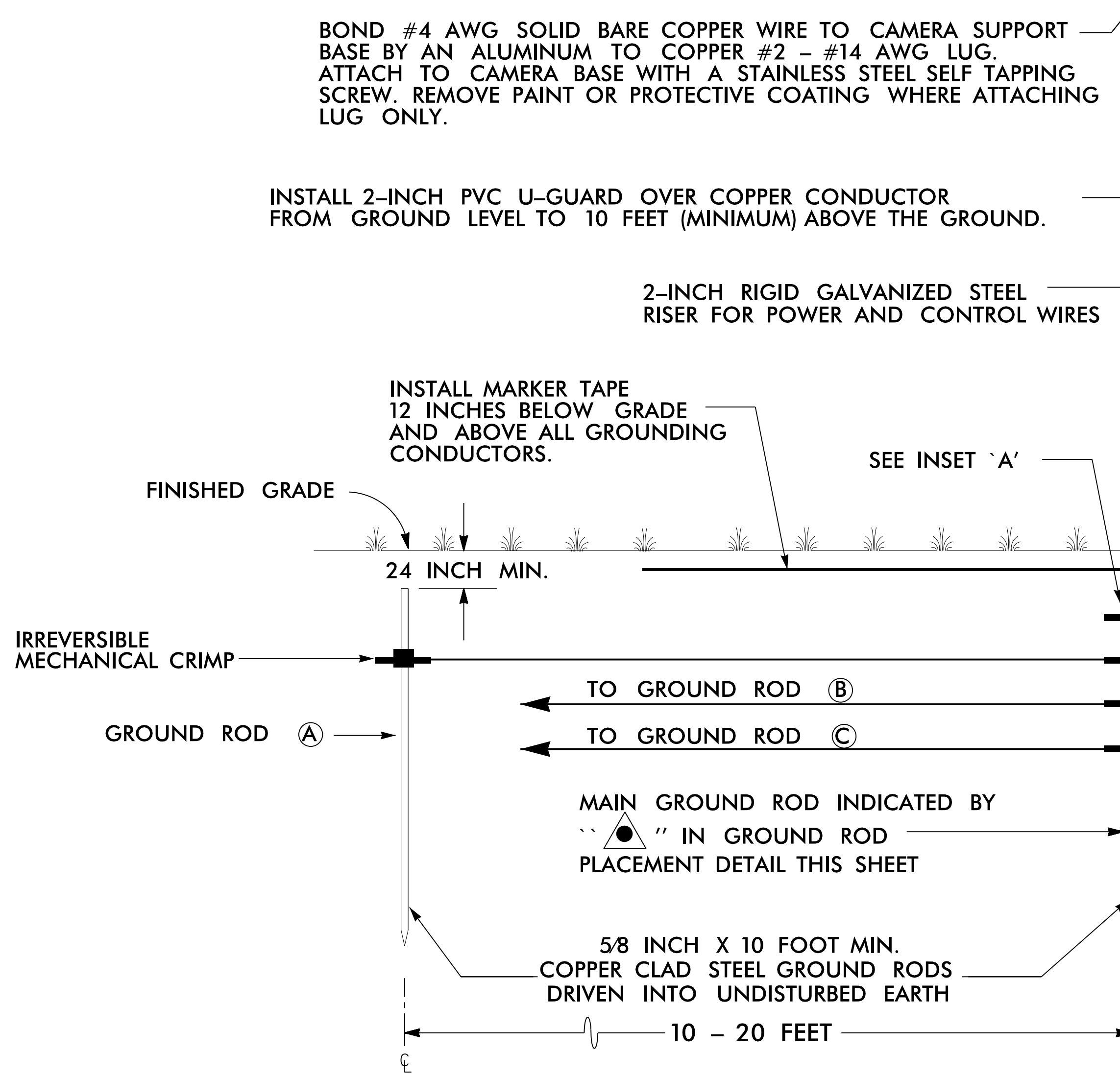
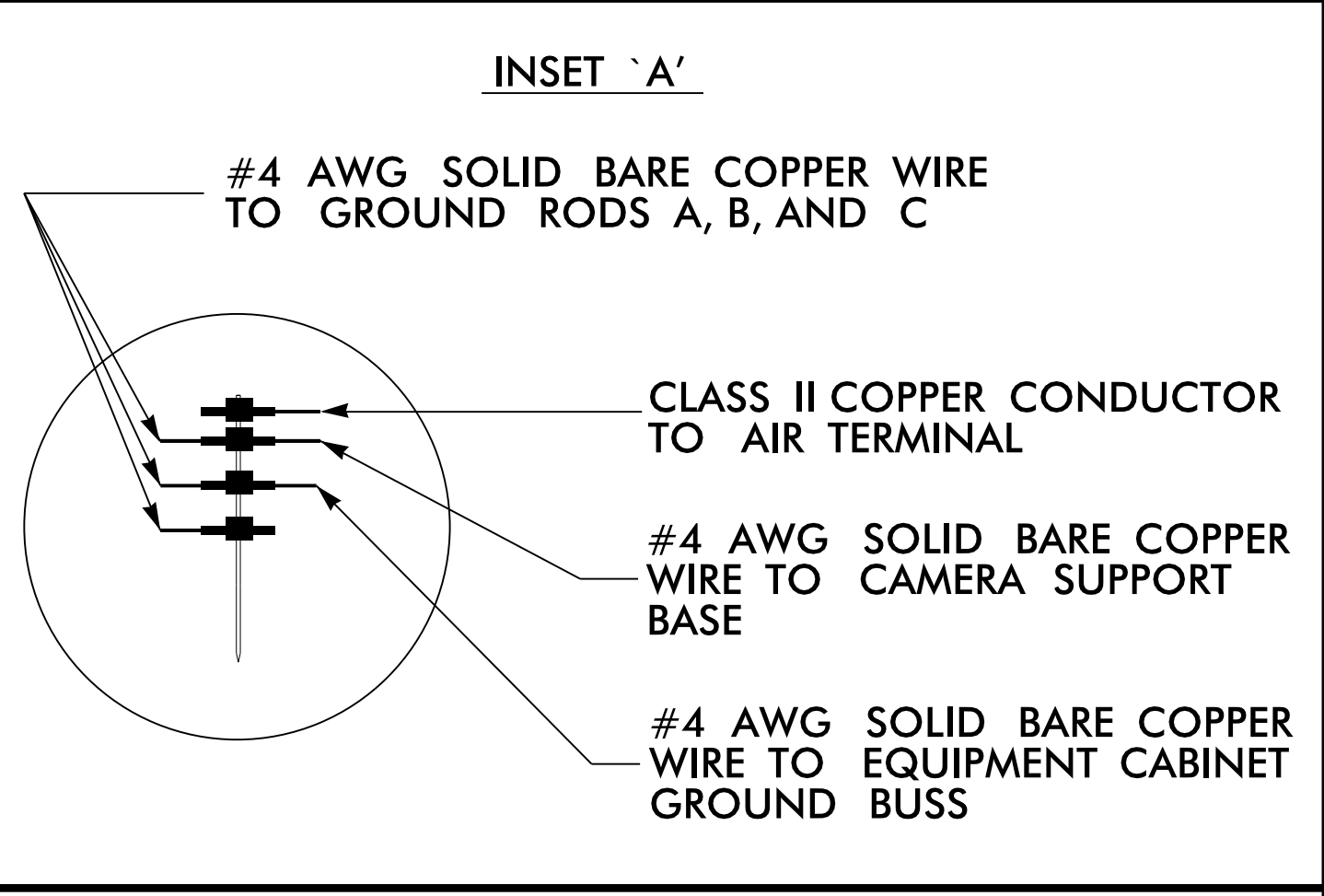
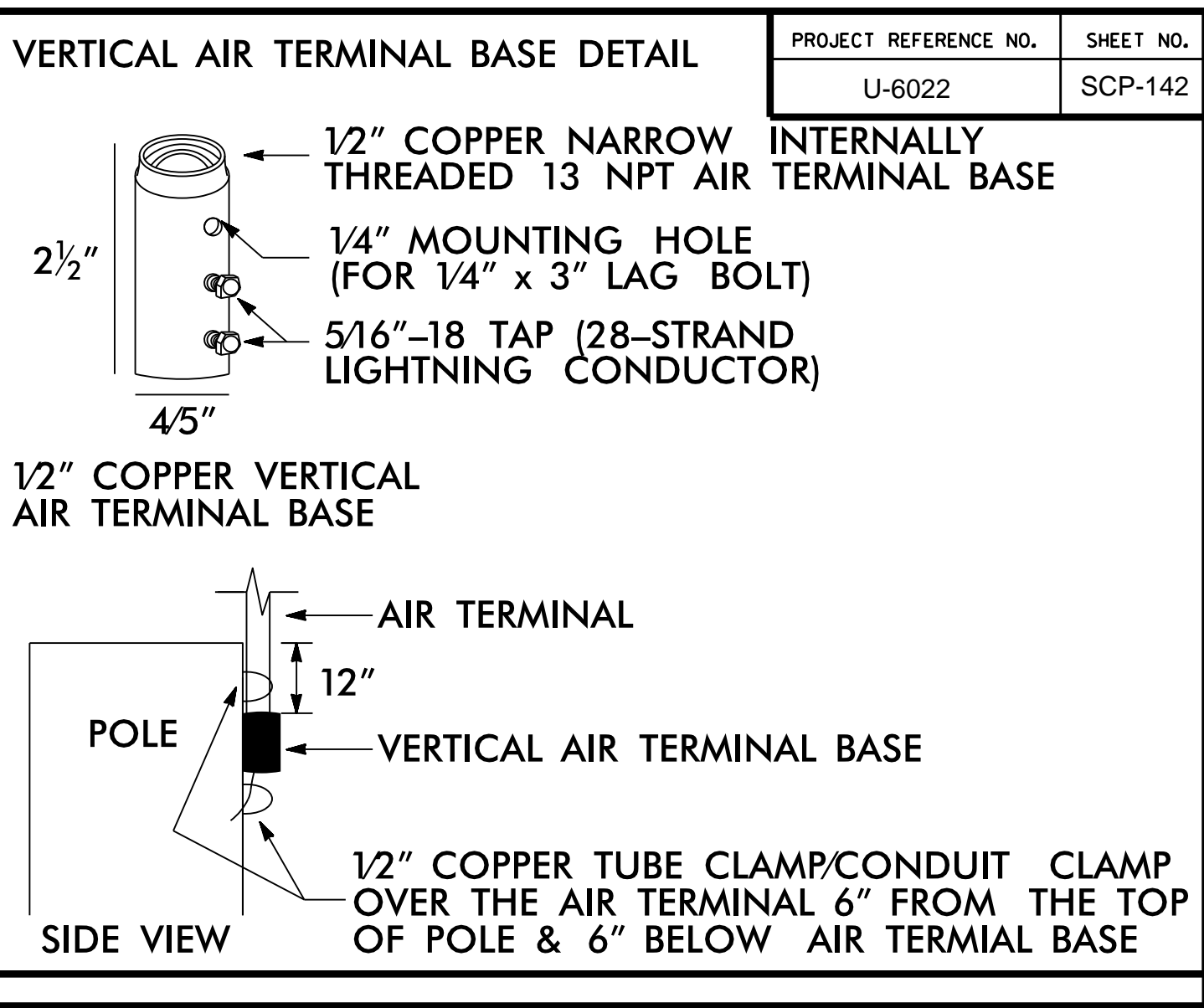
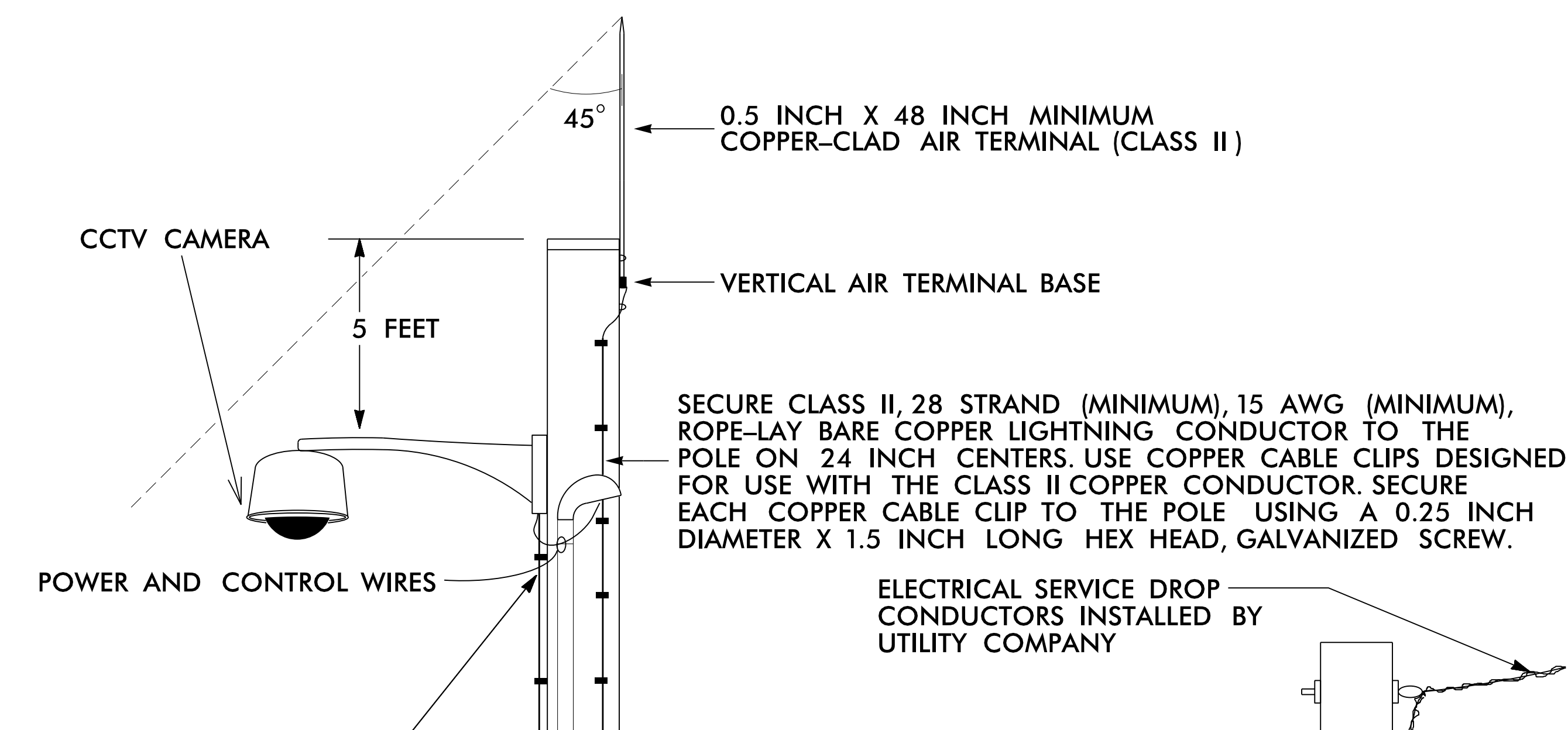
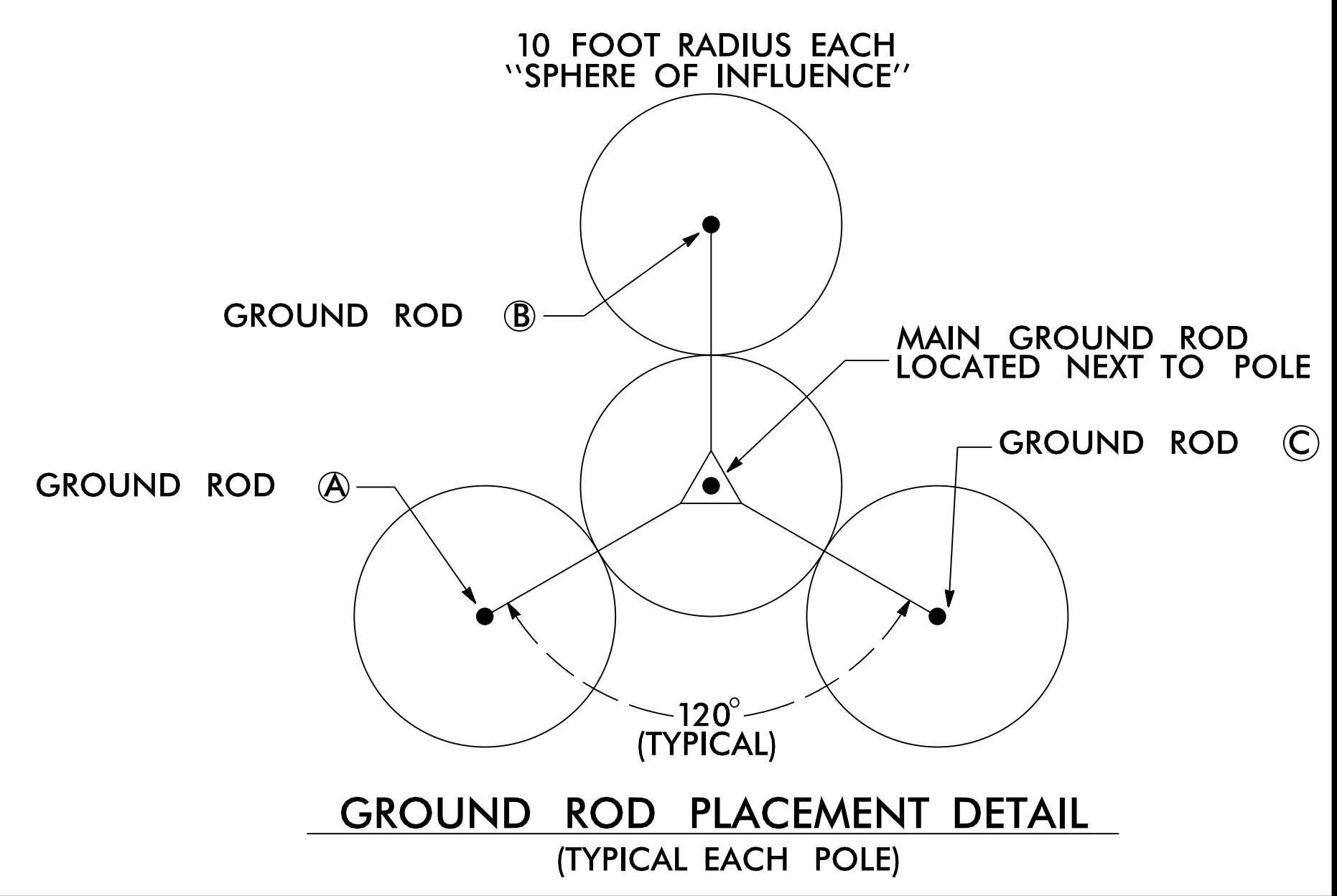
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RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

	Fuquay-Varina Signal System Fiber-Optic Splicing Details		
	Division 5 Wake County Fuquay-Varina		
PLAN DATE: August 2022 PREPARED BY: JT Stiff	REVIEWED BY: BJ Slocum REVIEWED BY: MB Toth		
SCALE: N/A	REVISIONS:	INIT.:	DATE:
CADD Filename: Splice-33.dgn			

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- NOTES**
- BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
 - ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.
 - REFER TO STANDARD DRAWING 1700-2 FOR ALTERNATE GROUND ROD INSTALLATION METHOD AS APPROVED BY THE ENGINEER.
 - INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
 - REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.
- ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:
The Engineering and Safety Services Bureau
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

CCTV CAMERA INSTALLATION FOR WOOD POLES WITH AERIAL ELECTRICAL SERVICE TYPICAL DETAIL

Division 5 Wake County Fuquay-Varina

PLAN DATE: August 2022 REVIEWED BY: MB Toth

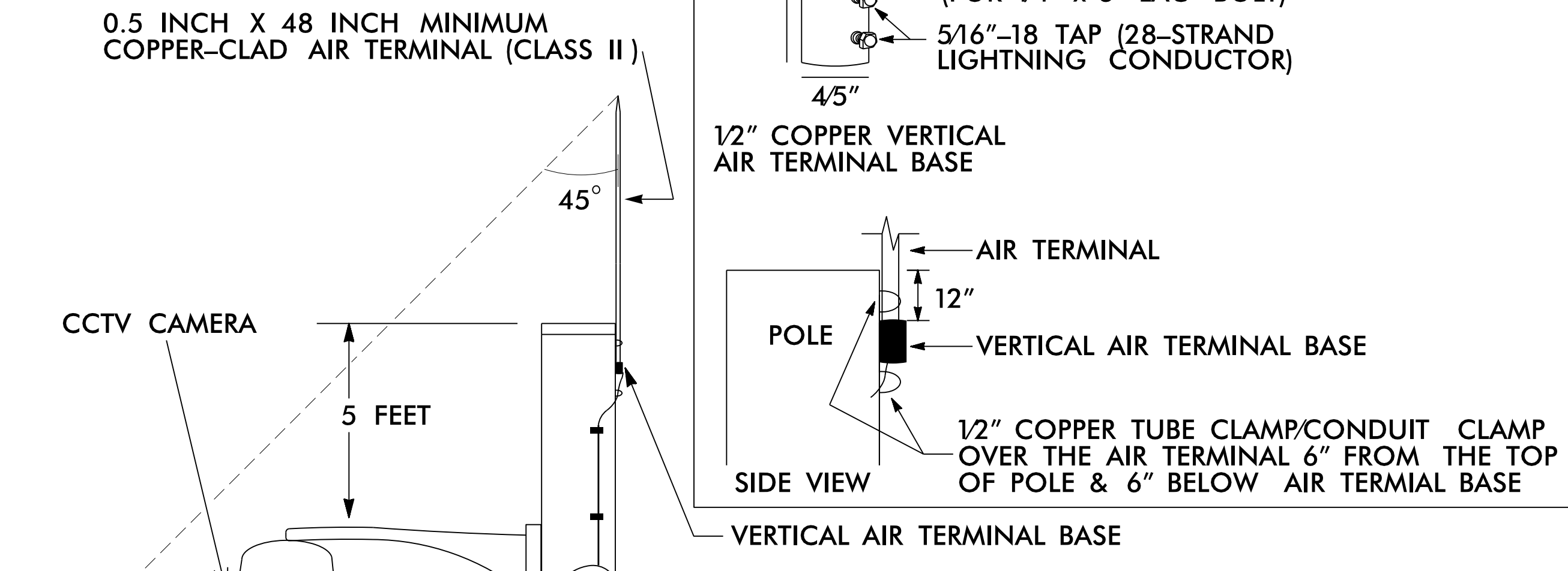
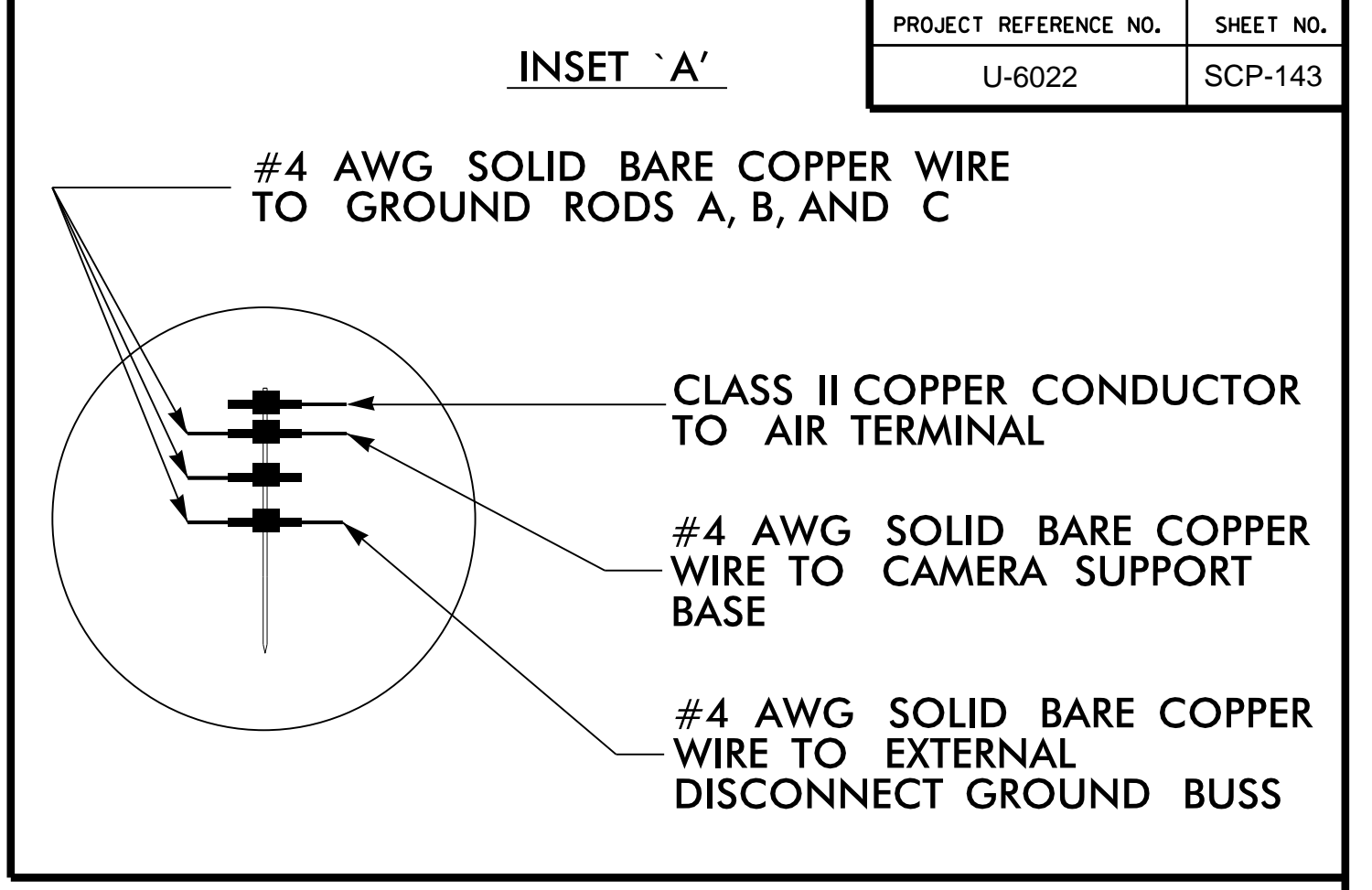
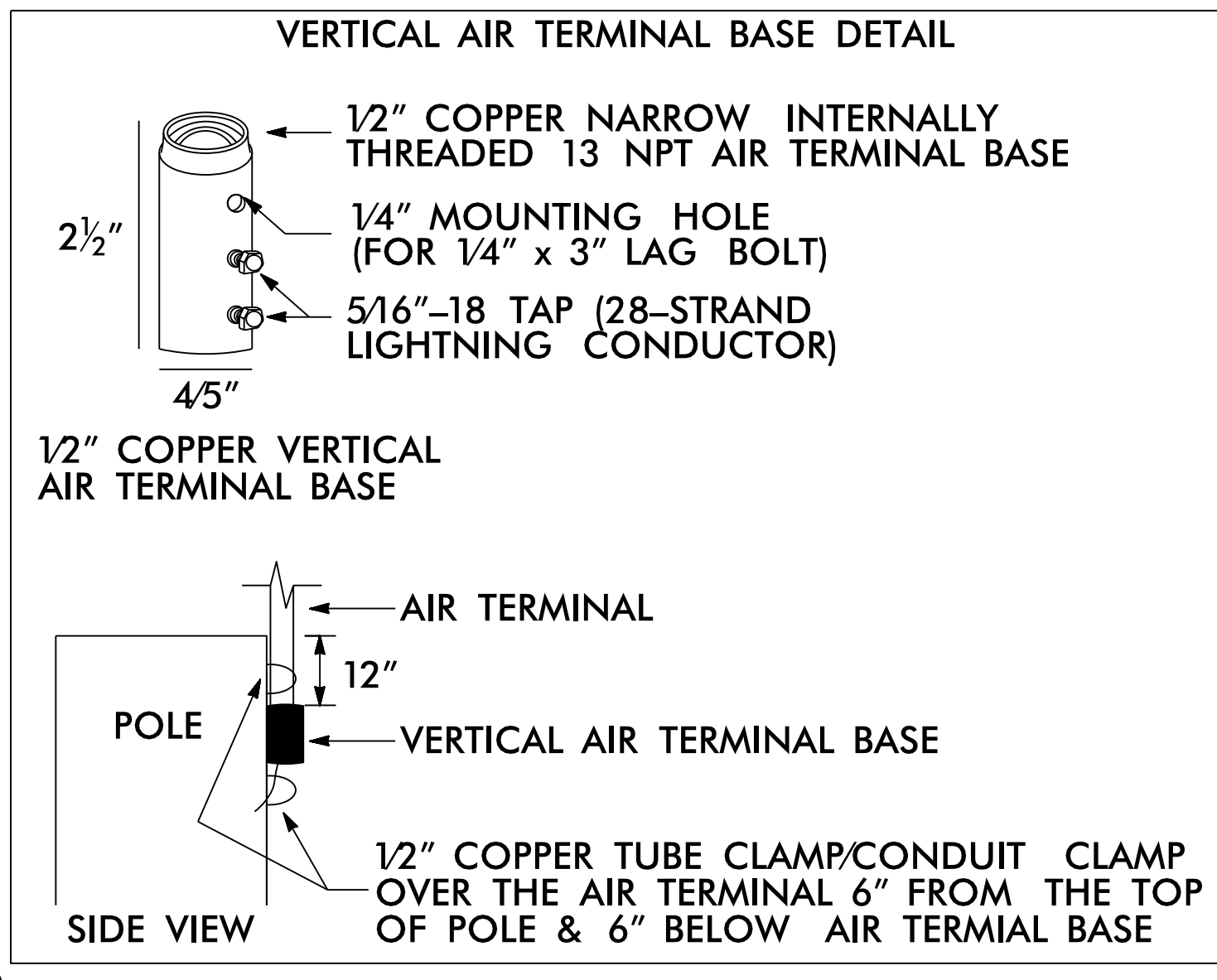
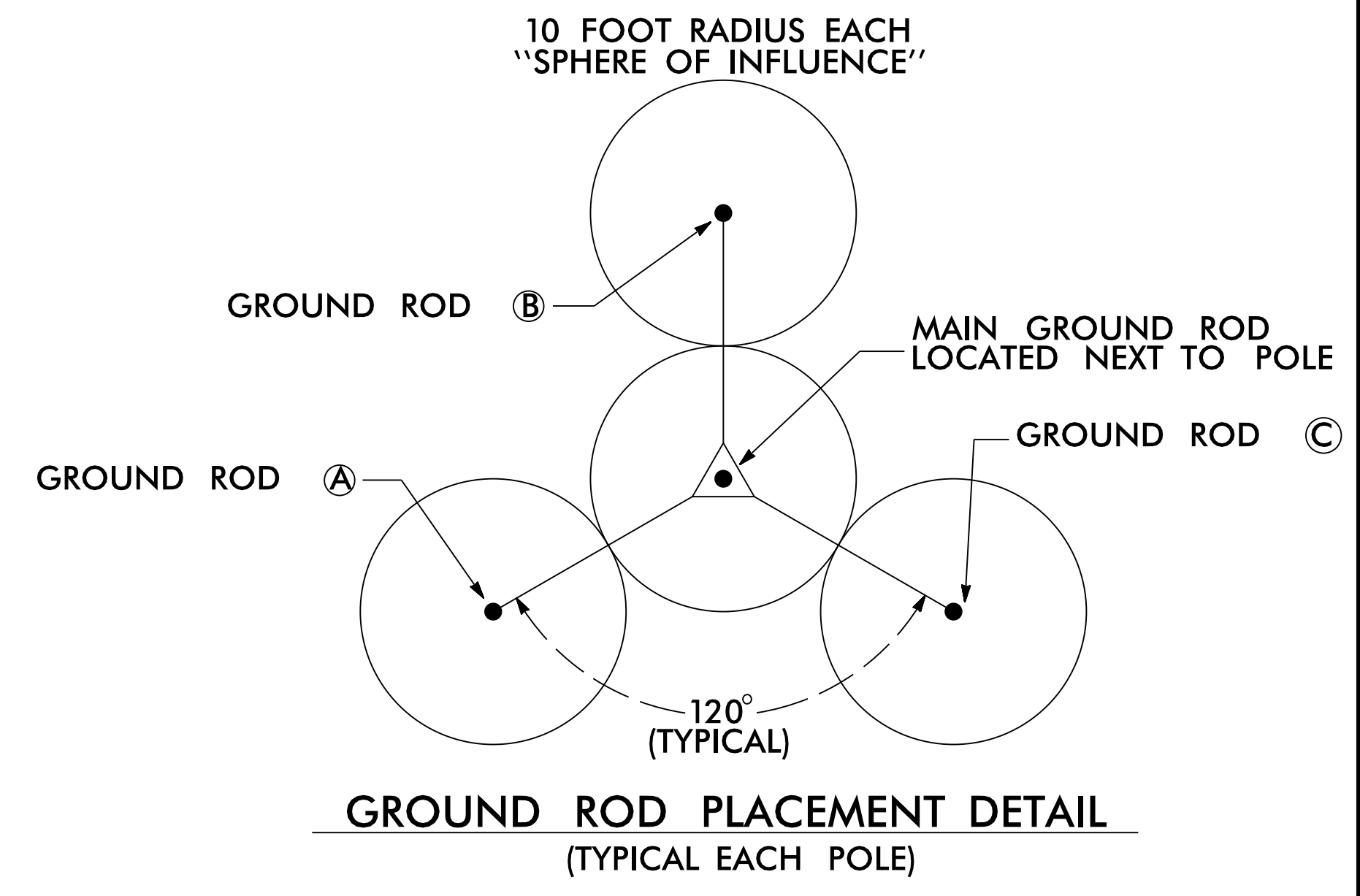
PREPARED BY: JT Stiff REVIEWED BY: AM Encarnacion

REVISIONS	INIT.	DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044476

Signature: Anthony Encarnacion 4/14/2023

NTS



SECURE CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM), ROPE-LAY BARE COPPER LIGHTNING CONDUCTOR TO THE POLE ON 24 INCH CENTERS. USE COPPER CABLE CLIPS DESIGNED FOR USE WITH THE CLASS II COPPER CONDUCTOR. SECURE EACH COPPER CABLE CLIP TO THE POLE USING A 0.25 INCH DIAMETER X 1.5 INCH LONG HEX HEAD, GALVANIZED SCREW.

BOND #4 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.

INSTALL 2-INCH PVC U-GUARD OVER COPPER CONDUCTOR FROM GROUND LEVEL TO 10 FEET (MINIMUM) ABOVE THE GROUND.

2-INCH RIGID GALVANIZED STEEL RISER FOR POWER AND CONTROL WIRES

POLE MOUNT EQUIPMENT CABINET

SEE NOTE 5

1-INCH RIGID GALVANIZED STEEL CONDUIT FOR POWER

METER BASE /DISCONNECT COMBINATION PANEL

INSTALL MARKER TAPE 12 INCHES BELOW GRADE AND ABOVE ALL GROUNDING CONDUCTORS.

FINISHED GRADE

24 INCH MIN.

IRREVERSIBLE MECHANICAL CRIMP

GROUND ROD A

TO GROUND ROD B

TO GROUND ROD C

MAIN GROUND ROD INDICATED BY "▲" IN GROUND ROD PLACEMENT DETAIL THIS SHEET

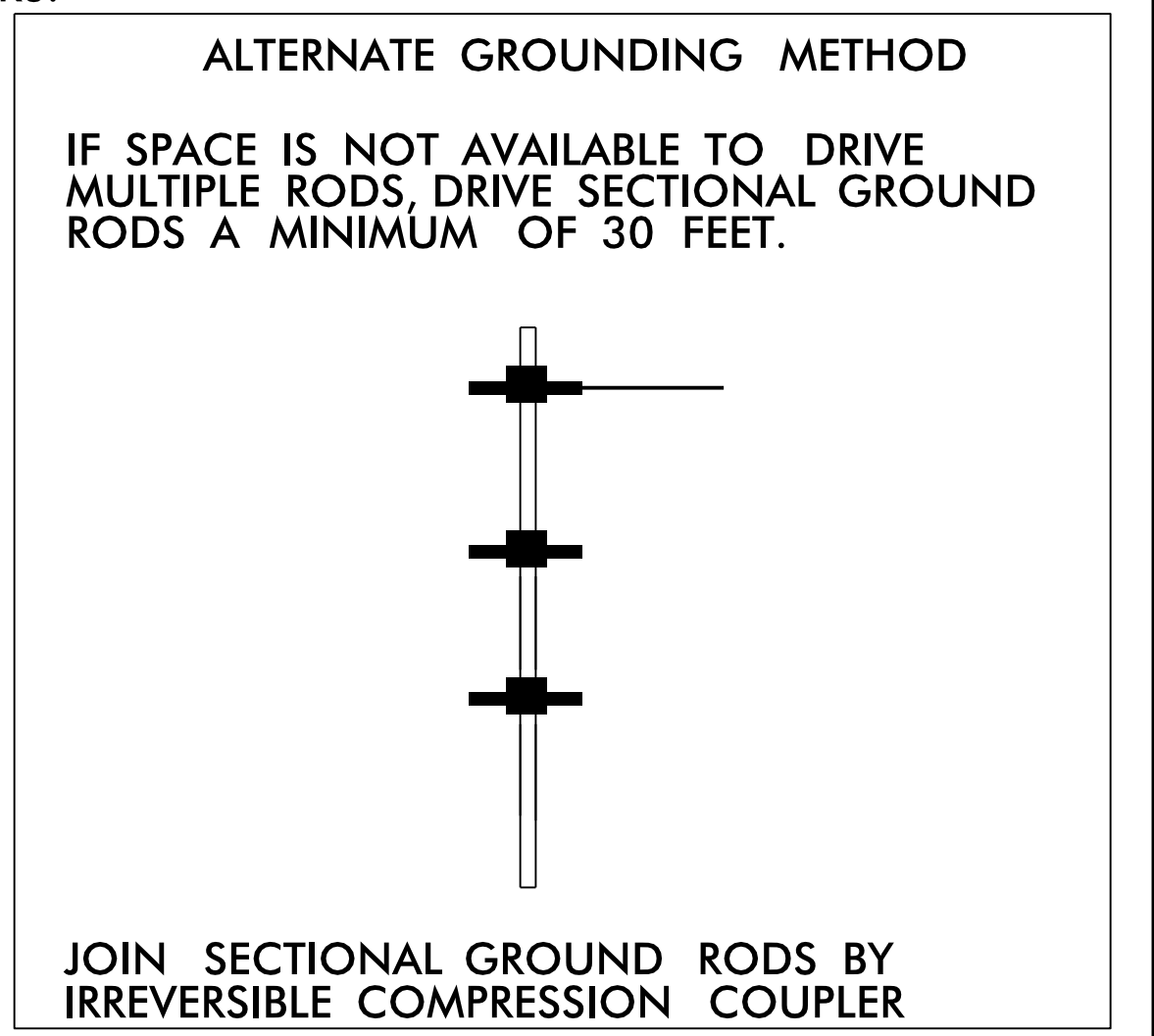
TO EXTERNAL DISCONNECT GROUND BUSS

UNDERGROUND SERVICE LATERAL CONDUCTORS INSTALLED BY UTILITY COMPANY

5/8 INCH X 10 FOOT MIN. COPPER CLAD STEEL GROUND RODS DRIVEN INTO UNDISTURBED EARTH

10 - 20 FEET

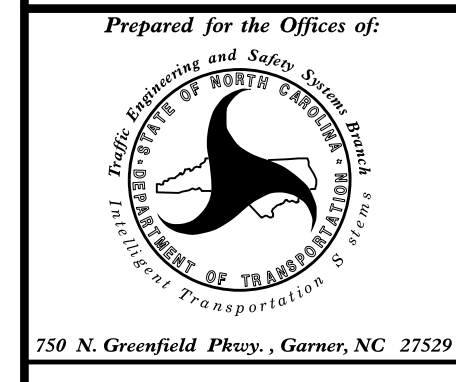
12 INCH MINIMUM



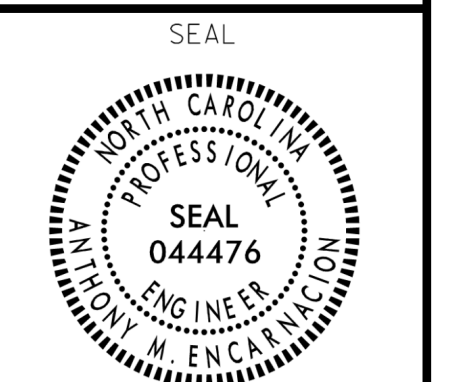
NOTES

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.
3. REFER TO STANDARD DRAWING 1700-2 FOR ALTERNATE GROUND ROD INSTALLATION METHOD AS APPROVED BY THE ENGINEER.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

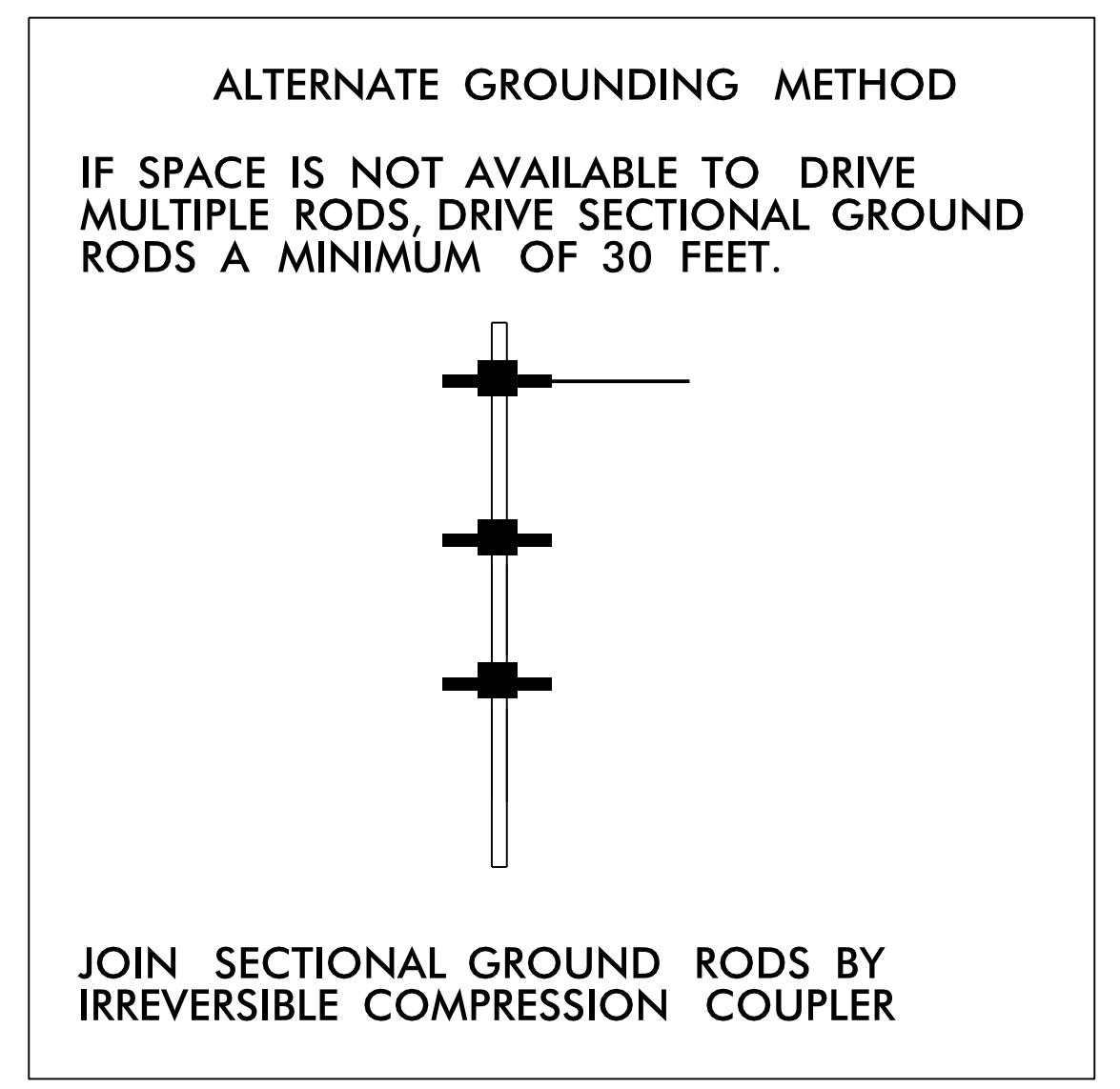
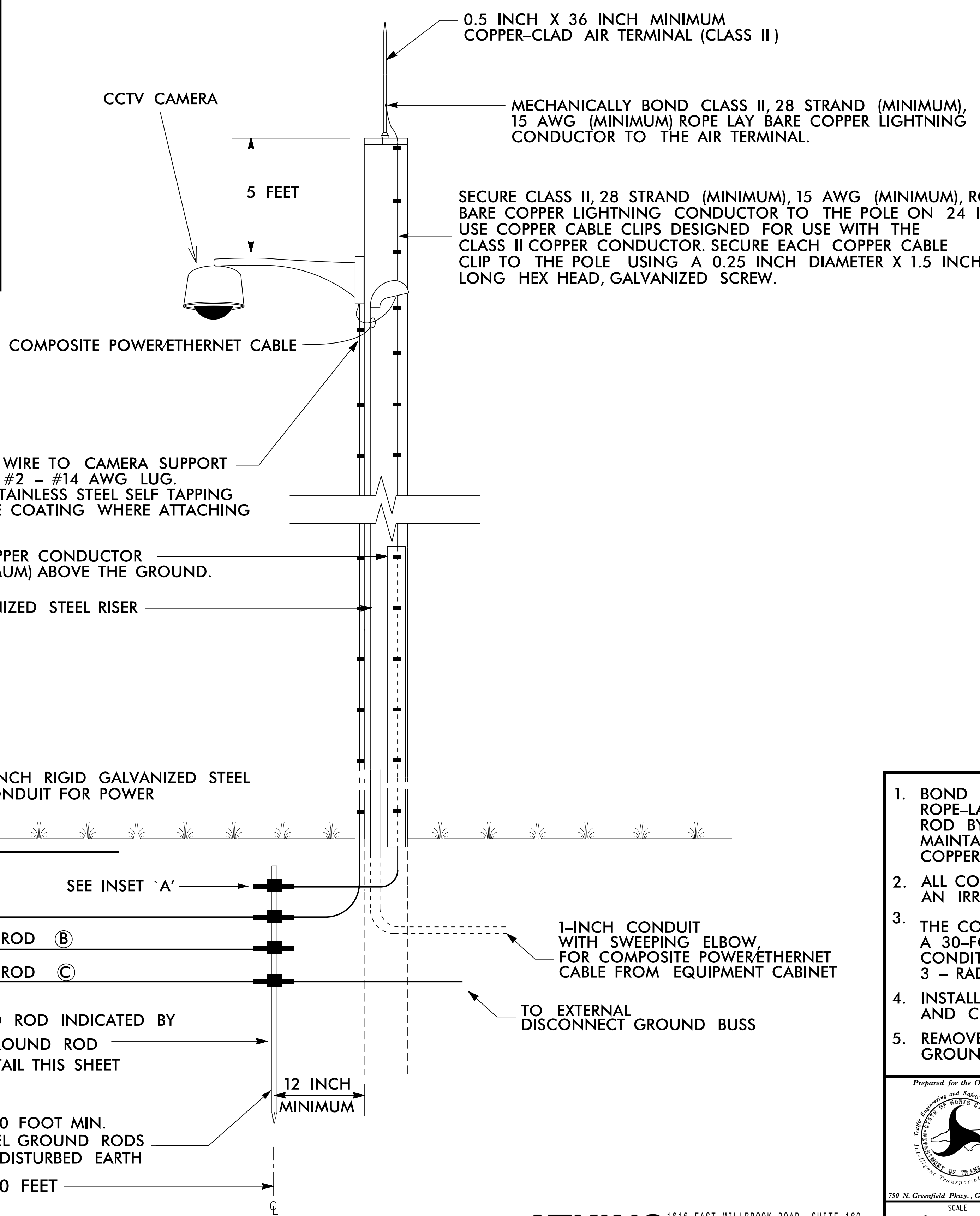
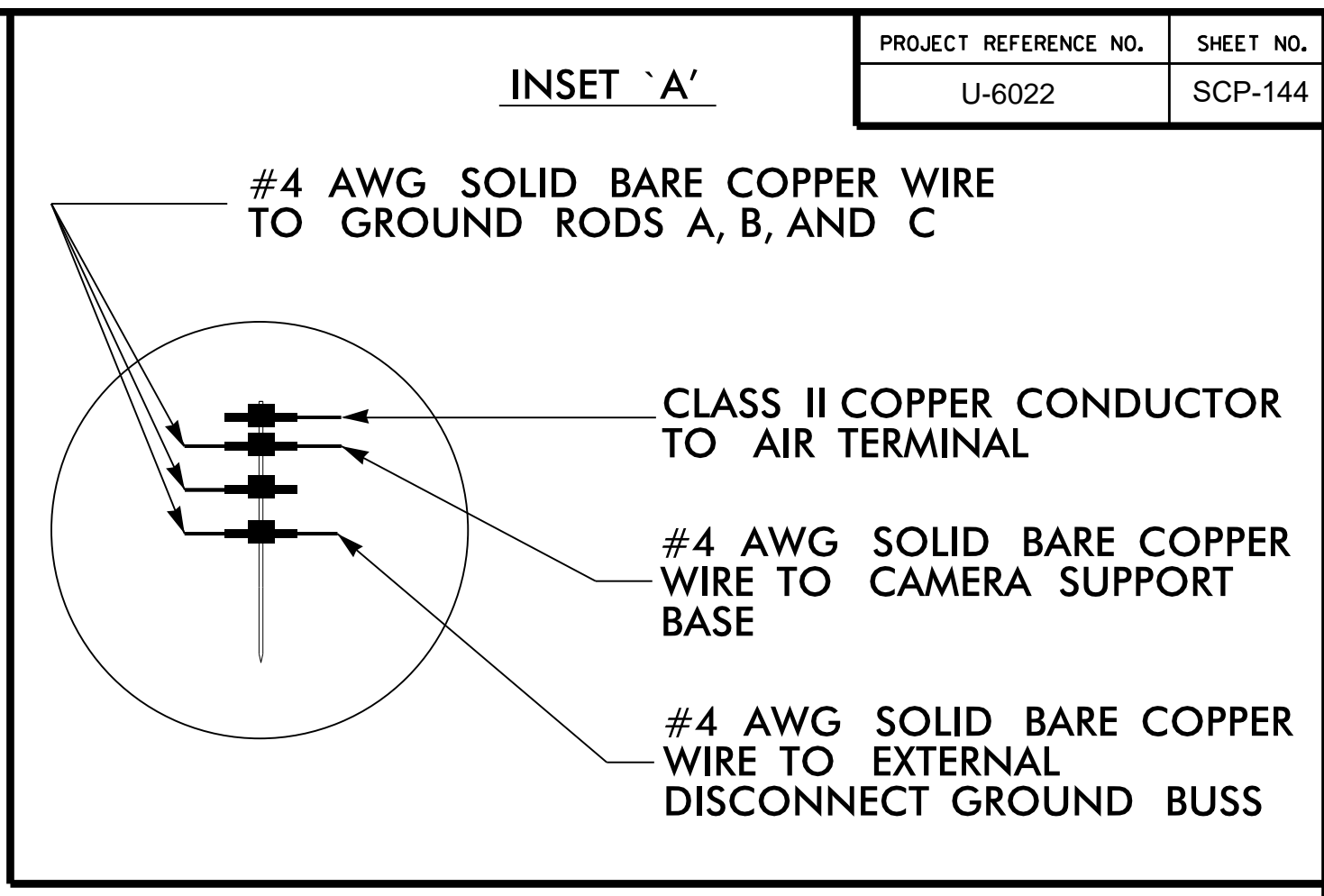
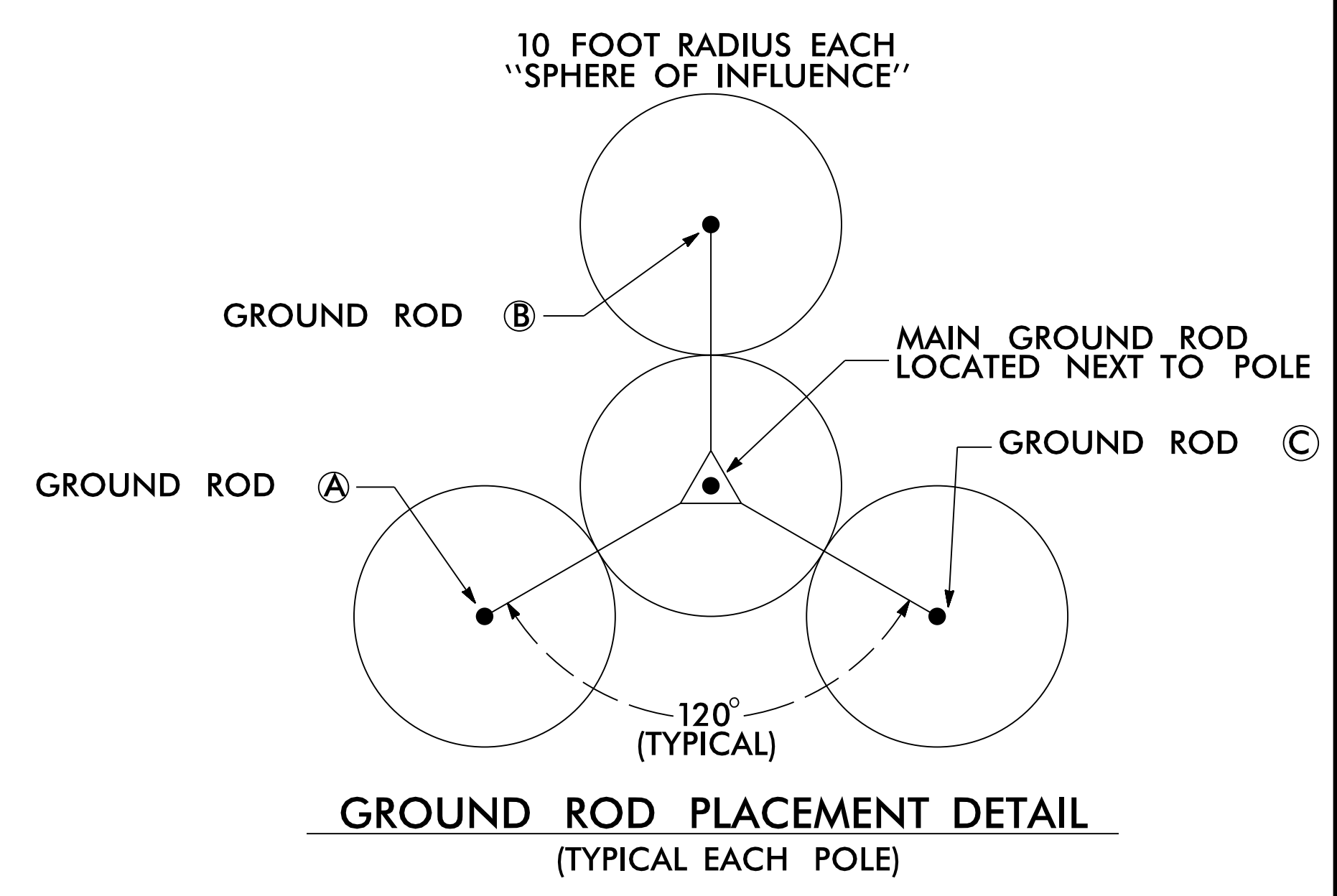


CCTV CAMERA INSTALLATION FOR WOOD POLES WITH UNDERGROUND ELECTRICAL SERVICE TYPICAL DETAIL	
Division 5	Wake County Fuquay-Varina
PLAN DATE: August 2022	REVIEWED BY: MB Toth
PREPARED BY: JT Stiff	REVIEWED BY: AM Encarnacion
REVISIONS	INIT. DATE



NTS

4/14/2023



NOTES

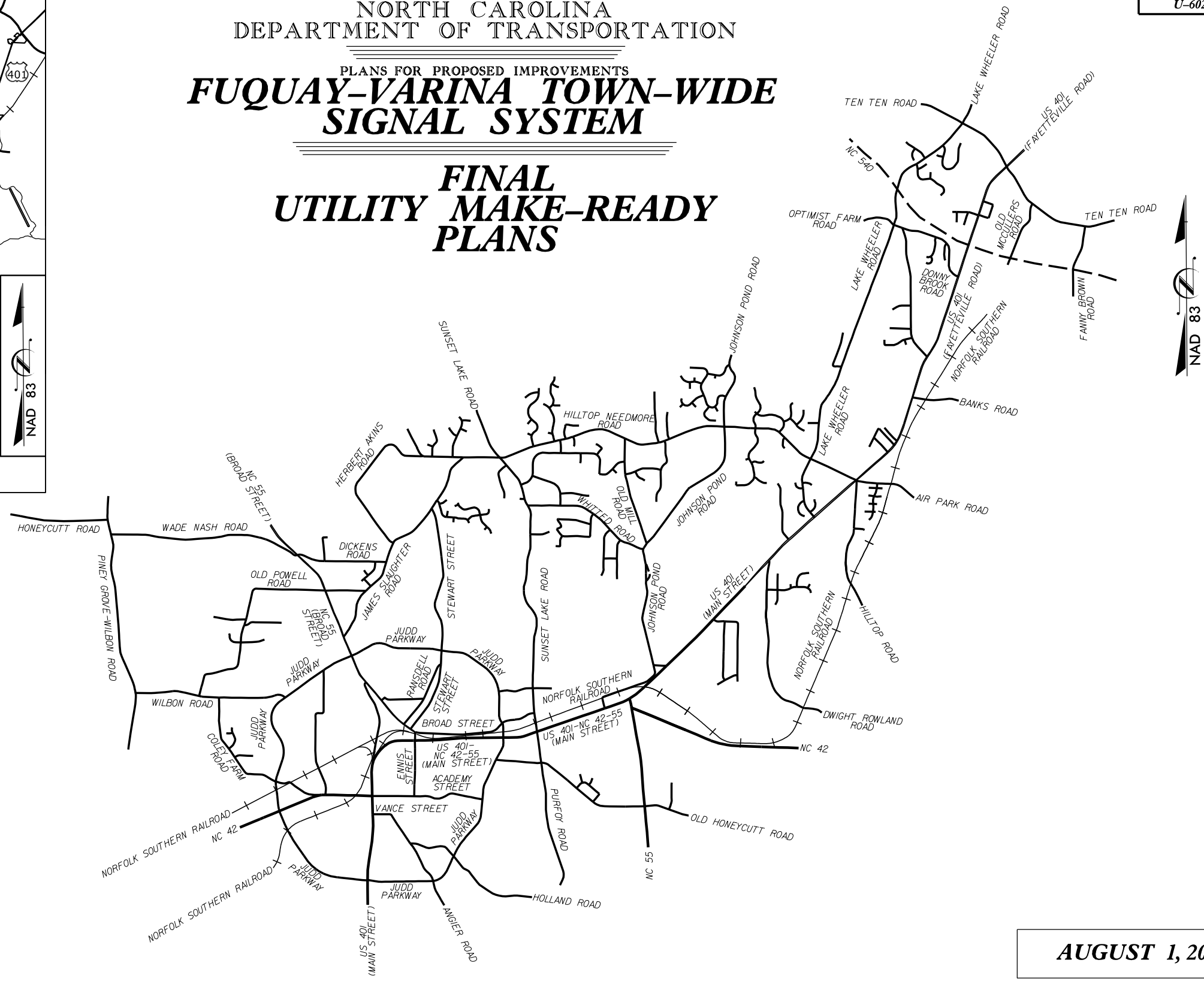
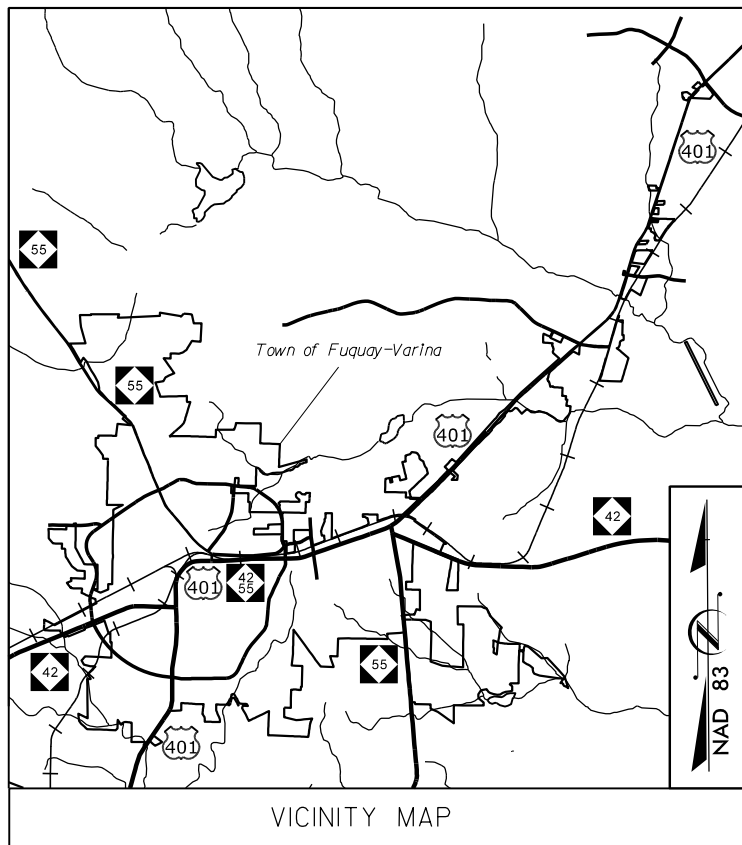
1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.

	<p>Prepared for the Offices of:</p> <p>CCTV CAMERA INSTALLATION FOR WOOD POLES</p> <p>TYPICAL DETAIL</p> <p>Division 5 Wake County Knightdale</p>		<p>SEAL</p>
	<p>PLAN DATE: August 2022</p> <p>PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: MB Toth</p> <p>REVIEWED BY: AM Encarnacion</p>	

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED IMPROVEMENTS
**FUQUAY-VARINA TOWN-WIDE
SIGNAL SYSTEM**

**FINAL
UTILITY MAKE-READY
PLANS**



AUGUST 1, 2022

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STIF4685 AT LUS491089

CONTRACT: C204419 TIP PROJECT: U-6022

2018 STANDARD SPECIFICATIONS


LETTING DATE: FEBRUARY 21, 2023

PROJECT LENGTH = 24 MILES



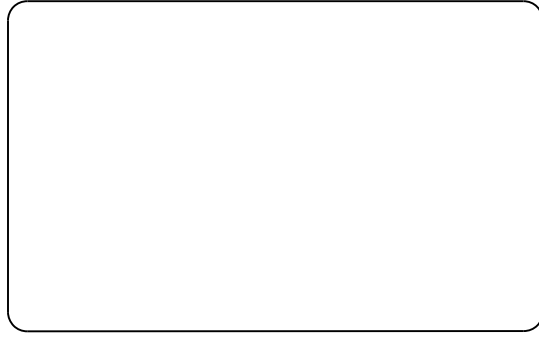
750 Greenfield Parkway, Garner, NC 27529

NCDOT CONTACTS:
TRANSPORTATION MOBILITY & SAFETY DIVISION
INTELLIGENT TRANSPORTATION SYSTEMS SECTION
GREGORY A. GREEN - SIGNAL COMMUNICATIONS PROJECT ENGINEER
HEIDI T. BERGGREN - PROJECT DESIGN ENGINEER
DOUG SONDERFAN - DESIGN ENGINEER



1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

BRADFORD J. SLOCUM, PE - ATKINS PROJECT MANAGER
ANTHONY M. ENCARNACION, PE, PTOE - ATKINS PROJECT ENGINEER



LEGEND

- FO— NEW FIBER OPTIC COMMUNICATIONS CABLE
- EX1— EXISTING COMMUNICATIONS CABLE
- REM— EXISTING COMMUNICATIONS CABLE TO BE REMOVED
- NEW AERIAL GUY ASSEMBLY
- NEW CONDUIT
- EXISTING CONDUIT
- DD— NEW DIRECTIONAL DRILLED CONDUIT
- B&J— NEW BORED AND JACKED CONDUIT
- ||||| RAILROAD TRACK
- NEW STANDARD JUNCTION BOX
- EXISTING STANDARD JUNCTION BOX
- NEW OVERSIZED JUNCTION BOX
- EXISTING OVERSIZED JUNCTION BOX
- ⊙ EXISTING COMMUNICATIONS MANHOLE
- NEW WOOD POLE
- EXISTING WOOD POLE
- ⊕ SPLICE ENCLOSURE
- ⊕ NEW AERIAL SPLICE ENCLOSURE
- ⊕ EXISTING AERIAL SPLICE ENCLOSURE
- NEW METAL POLE
- EXISTING METAL POLE
- EXISTING CONCRETE POLE
- ⊕ NEW CCTV CAMERA ASSEMBLY
- EXISTING CCTV CAMERA ASSEMBLY
-) NEW STANDARD GUY ASSEMBLY
-) EXISTING STANDARD GUY ASSEMBLY
- ↵ NEW SIDEWALK GUY ASSEMBLY
- ↵ EXISTING SIDEWALK GUY ASSEMBLY
- ∞ CABLE STORAGE RACKS (SNOW SHOES)
- ∞ EXISTING CABLE STORAGE RACKS (SNOW SHOES)
- ⊠ NEW CONTROLLER AND CABINET
- ⊠ EXISTING CONTROLLER AND CABINET
- ⊠ EXISTING SPLICE CABINET
- NEW HUB CABINET
- XX-XXXX NCDOT SIGNAL INVENTORY NUMBER

UTILITIES /UMR PLAN NOTES

- AGUY Aerial Guy
- ANTENNA Antenna
- ARLT Area Light
- BOT CAB Bottom of Cabinet
- BOX Pole-Mounted Splice Box, other than Signal
- BS Backside Attachment
- CAM Camera Bracket
- CAPB Capacitor Bank
- CATV Cable Television (Charter Communications)
- COMM Communications Cable
- CRCT Circuit
- DGUY Downguy
- DL Drip Loop
- DRP Drop
- EXI Existing Communications Cable
- FIRE Fire Alarm Circuit
- FLCAB Flasher Cabinet
- FOC /FO Fiber-Optic Cable
- FS Front Side Attachment
- HOLIDAY Holiday Circuit
- LIC Lead-In Cable (Detector)
- LIRSR Lead-In Cable Riser
- MSGR Messenger
- NCDOT North Carolina Department of Transportation
- NEUT Neutral
- OLD TEL Old Telephone Cable (Out of Service)
- OLD COMM Old Communication Cable (Out of Service)
- OSS Overhead Sign Span
- OUTLET BOT Bottom of Electrical Receptacle
- OWS Open Wire Secondary
- PEDRSR Pedestrian Signal Riser
- PHOTOCELL Photo Cell
- PRI Primary Power
- PROP Proposed
- PWR Power
- RSR Riser
- SAME Same Elevation /Attachment Height
- SEC Secondary Power
- SIGRSR Signal Riser
- SIG Signal Span
- SO Standoff
- SP Signal Pole
- SPBX Pole-Mounted Splice Box, Signal
- STLT Streetlight
- SVRSR Service Riser
- SWGUY Sidewalk Downguy
- TFMR Transformer
- TOP Top of Pole
- TOWN Town of Fuquay-Varina
- TRI Triplex
- TWP Twisted Pair
- UG Underground
- X ANY Crossing Line, where "Any" is the abbreviation for the overhead line that is crossing exist/prop. cable route

UTILITY COMPANIES


- | | |
|---------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKENET | DukeNet Communication |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNP | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| VZN | Verizon |

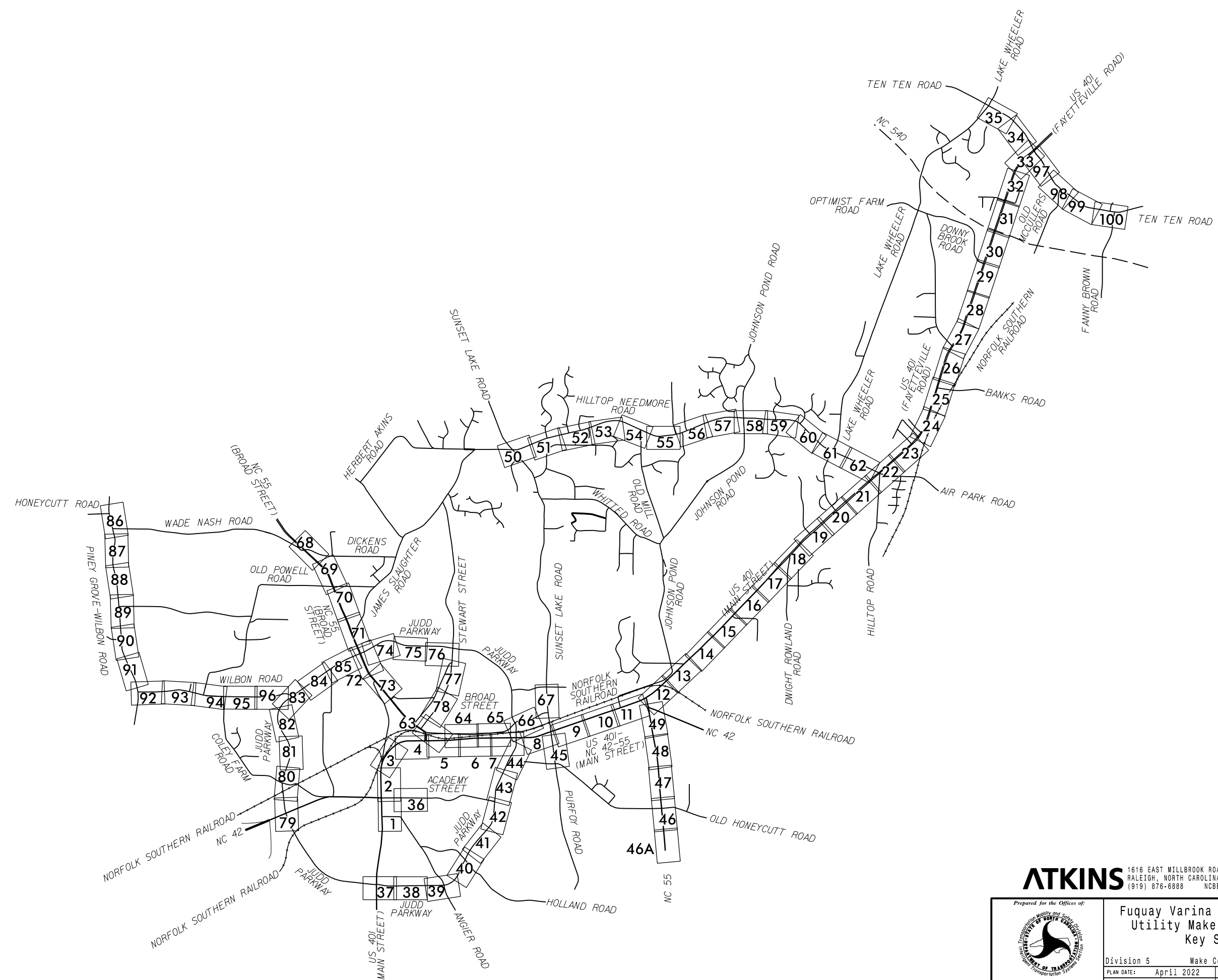
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- NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).
- NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

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RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

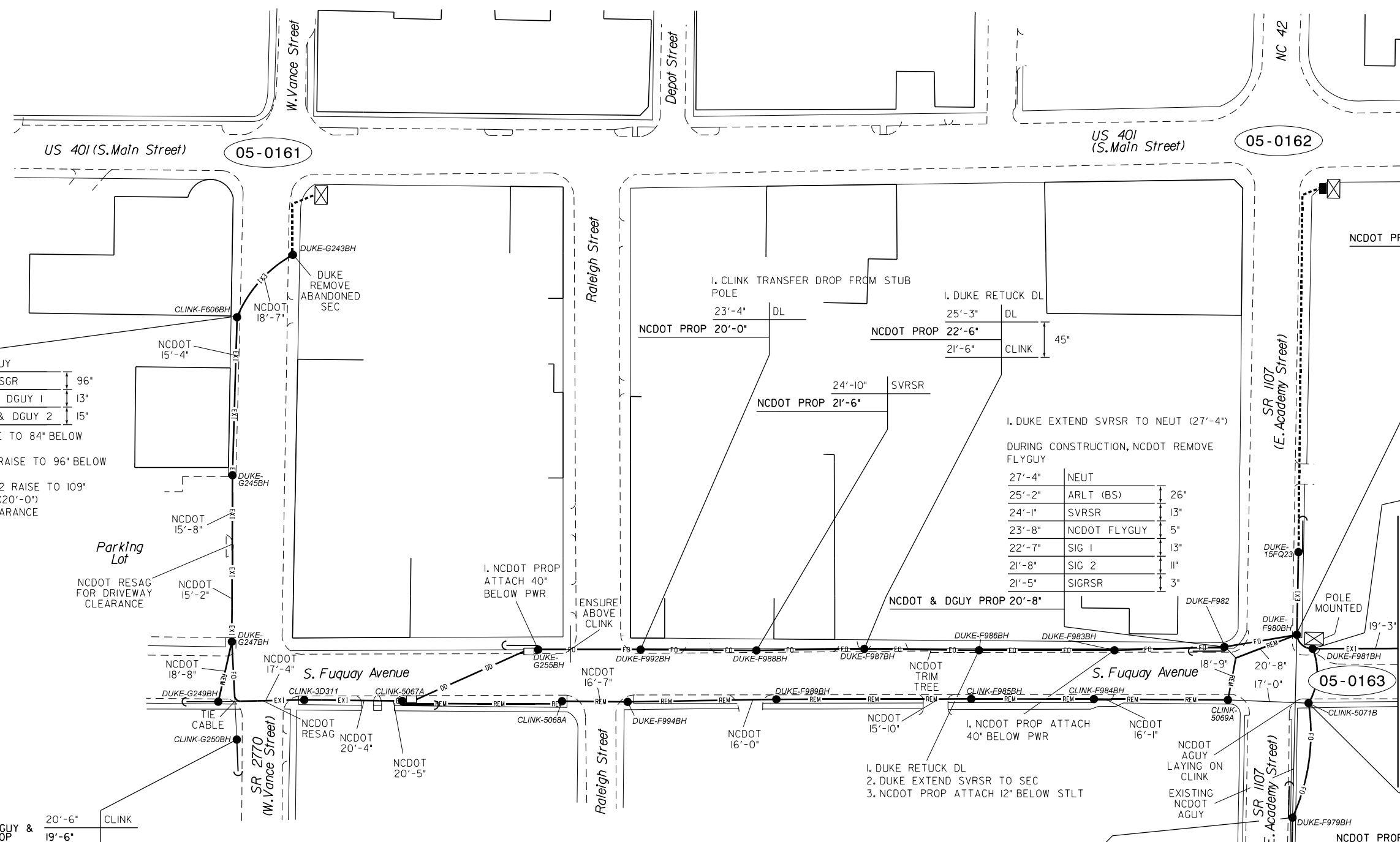
 Prepared for the Offices of: Fuquay-Varina Signal System Utility Make Ready Plans Legend Sheet	Division 5 Wake County Fuquay-Varina	
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE
NTS		



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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

 Prepared for the Offices of: TRANSPORTATION SYSTEMS DIVISION DEPARTMENT OF TRANSPORTATION	Fuquay Varina Signal System Utility Make Ready Plans Key Sheet													
	Division 5 Wake County Fuquay Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	<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> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS	INIT.	DATE								
REVISIONS	INIT.	DATE												
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29'-1"	PWR AGUY	
21'-1"	CATV MSGR	96"
20'-0"	CLINK & DGUY 1	13"
18'-9"	NCDOT & DGUY 2	15"

1. CATV MSGR RAISE TO 84" BELOW PWR AGUY (22'-1")
 2. CLINK & DGUY 1 RAISE TO 96" BELOW PWR AGUY (21'-1")
 3. NCDOT & DGUY 2 RAISE TO 109" BELOW PWR AGUY (20'-0") FOR DRIVEWAY CLEARANCE

1. DUKE EXTEND SVRSR TO SEC (27'-3")
 2. DUKE RETUCK DL

28'-3"	NEUT	
27'-3"	SEC	12"
25'-5"	SVRSR	22"
24'-3"	STLT	14"
23'-8"	DL	7"
22'-10"	CATV	10"
NCDOT PROP 21'-4"	NCDOT & AGUY & DGUY	18"

1. DUKE RAISE SEC TO NEUT (27'-6")
 2. NCDOT EXTEND SVRSR 2' BELOW NEUT (27'-4")

27'-6"	NEUT	
26'-3"	SEC	15"
25'-6"	SVRSR	9"
24'-0"	NCDOT	18"
23'-7"	SIG 1	5"
23'-0"	SIG 2	7"
22'-1"	SIGRSR	11"

1. DUKE EXTEND SVRSR TO NEUT (27'-4")
 DURING CONSTRUCTION, NCDOT REMOVE FLYGUY

27'-4"	NEUT	
25'-2"	ARLT (BS)	26"
24'-1"	SVRSR	13"
23'-8"	NCDOT FLYGUY	5"
22'-7"	SIG 1	13"
21'-8"	SIG 2	11"
21'-5"	SIGRSR	3"

MATCHLINE - SHEET UMR-36

24'-9"	NEUT	
23'-9"	OWS 1	12"
23'-5"	PWR AGUY	4"
22'-9"	OWS 2	8"
NCDOT & DGUY PROP 19'-5"		57"
18'-0"	CATV	
16'-10"	NCDOT AGUY & DGUY	14"

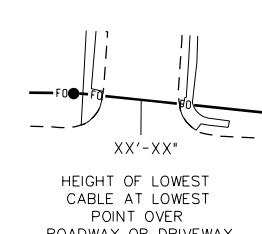
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

KEY

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T Cable Television (Spectrum)
- CATV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE



1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

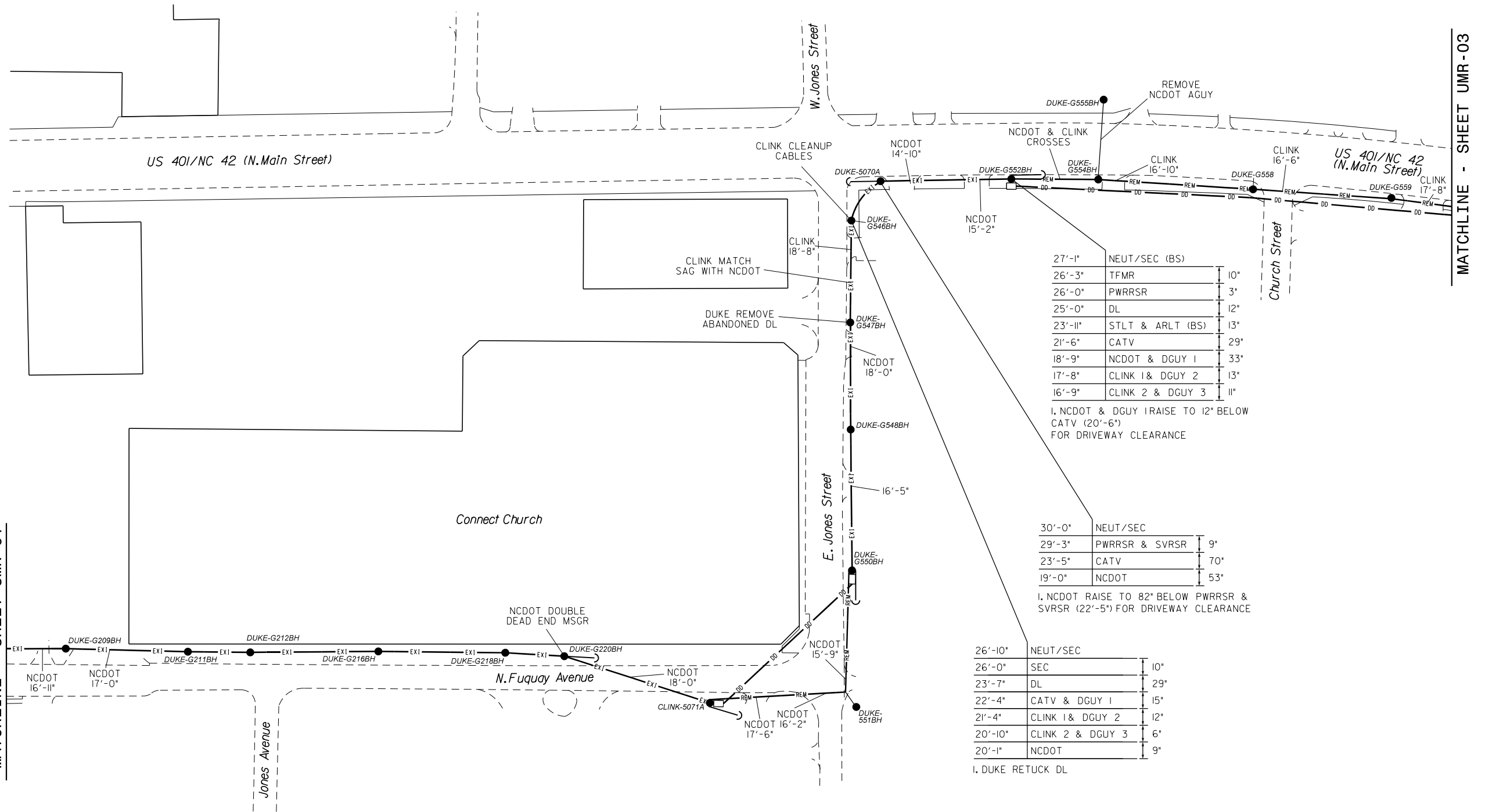
PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion
 PREPARED BY: JT Stiff REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529
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27'-1"	NEUT/SEC (BS)	
26'-3"	TFMR	10"
26'-0"	PWRRSR	3"
25'-0"	DL	12"
23'-11"	STLT & ARLT (BS)	13"
21'-6"	CATV	29"
18'-9"	NCDOT & DGUY 1	33"
17'-8"	CLINK 1 & DGUY 2	13"
16'-9"	CLINK 2 & DGUY 3	11"

1. NCDOT & DGUY 1 RAISE TO 12" BELOW CATV (20'-6") FOR DRIVEWAY CLEARANCE

30'-0"	NEUT/SEC	
29'-3"	PWRRSR & SVRSR	9"
23'-5"	CATV	70"
19'-0"	NCDOT	53"

1. NCDOT RAISE TO 82" BELOW PWRRSR & SVRSR (22'-5") FOR DRIVEWAY CLEARANCE

26'-10"	NEUT/SEC	
26'-0"	SEC	10"
23'-7"	DL	29"
22'-4"	CATV & DGUY 1	15"
21'-4"	CLINK 1 & DGUY 2	12"
20'-10"	CLINK 2 & DGUY 3	6"
20'-1"	NCDOT	9"

1. DUKE RETUCK DL

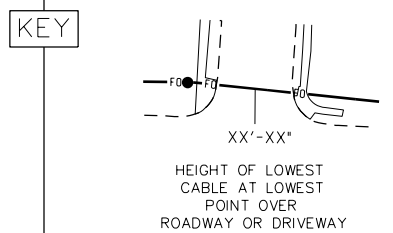
MATCHLINE - SHEET UMR-01

MATCHLINE - SHEET UMR-03

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



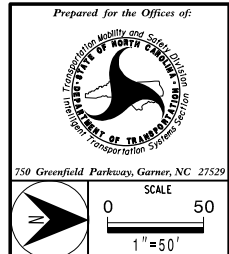
- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
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NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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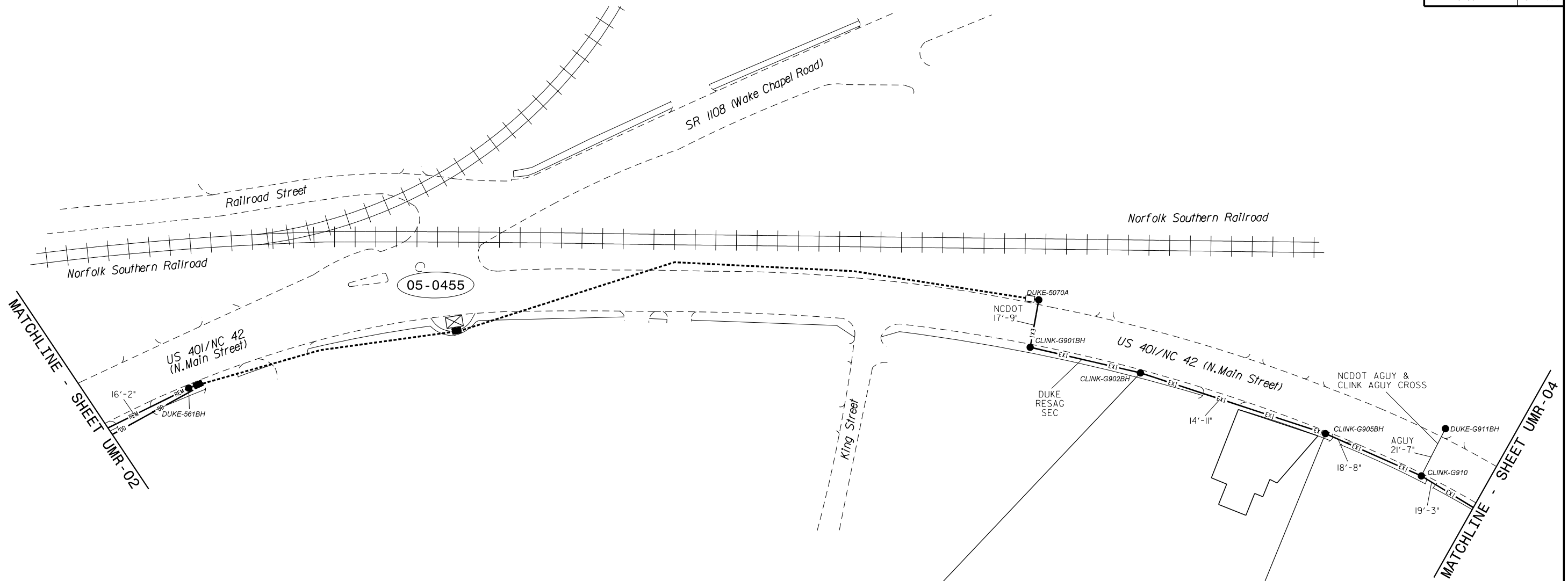
ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

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RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE



28'-5"	NEUT/SEC	
25'-11"	STLT	30"
22'-9"	CATV	38"
22'-0"	CLINK 1	9"
21'-0"	CLINK 2	12"
20'-0"	CLINK 3	12"
19'-0"	NCDOT	12"

1. CATV RAISE TO 42" BELOW NEUT/SEC (24'-11")
2. CLINK 1 RAISE TO 54" BELOW NEUT/SEC (23'-11")
3. CLINK 2 RAISE TO 68" BELOW NEUT/SEC (22'-9")
4. CLINK 3 RAISE TO 77" BELOW NEUT/SEC (22'-0")
5. NCDOT RAISE TO 89" BELOW NEUT/SEC (21'-0") FOR DRIVEWAY CLEARANCE

29'-10"	NEUT 1	
29'-6"	NEUT 2	4"
27'-2"	ARLT	28"
26'-7"	STLT DL	7"
24'-4"	CATV	27"
22'-4"	CLINK 1	24"
21'-2"	CLINK 2	14"
20'-0"	CLINK 3	14"
18'-8"	NCDOT	16"

1. CLINK 1 RAISE TO 74" BELOW NEUT 2 (23'-4")
2. CLINK 2 RAISE TO 86" BELOW NEUT 2 (22'-4")
3. CLINK 3 RAISE TO 100" BELOW NEUT 2 (21'-2")
4. NCDOT RAISE TO 114" BELOW NEUT 2 (20'-0") FOR DRIVEWAY CLEARANCE

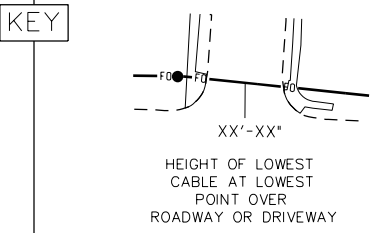
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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

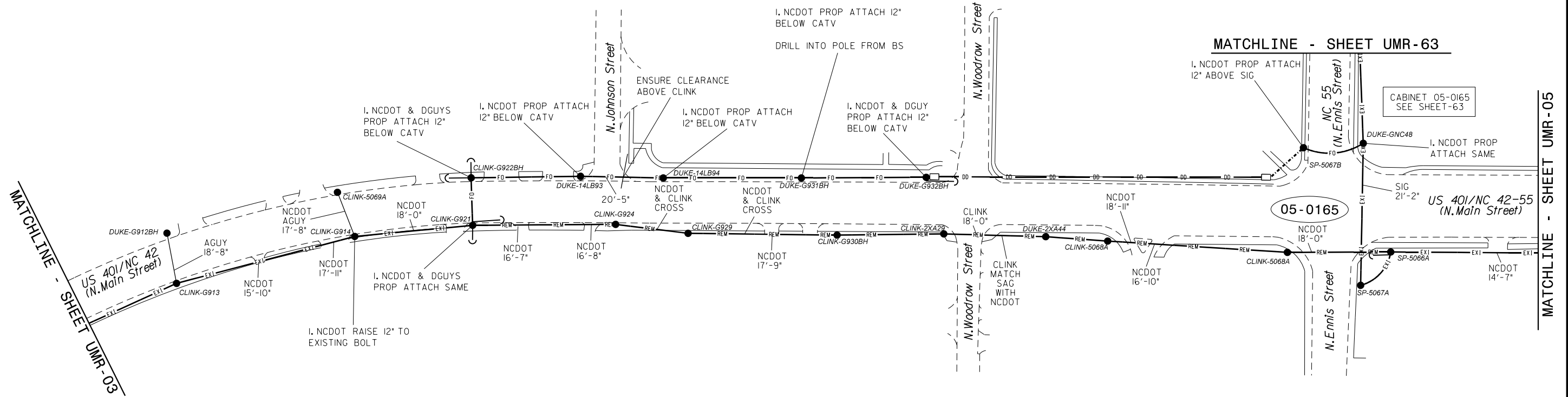
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

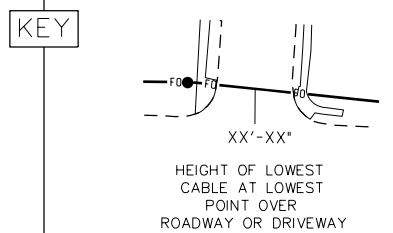
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans									
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	INIT.	DATE			
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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
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- CLINK Century Link
- COUNTY Wake County
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- VZN Verizon

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

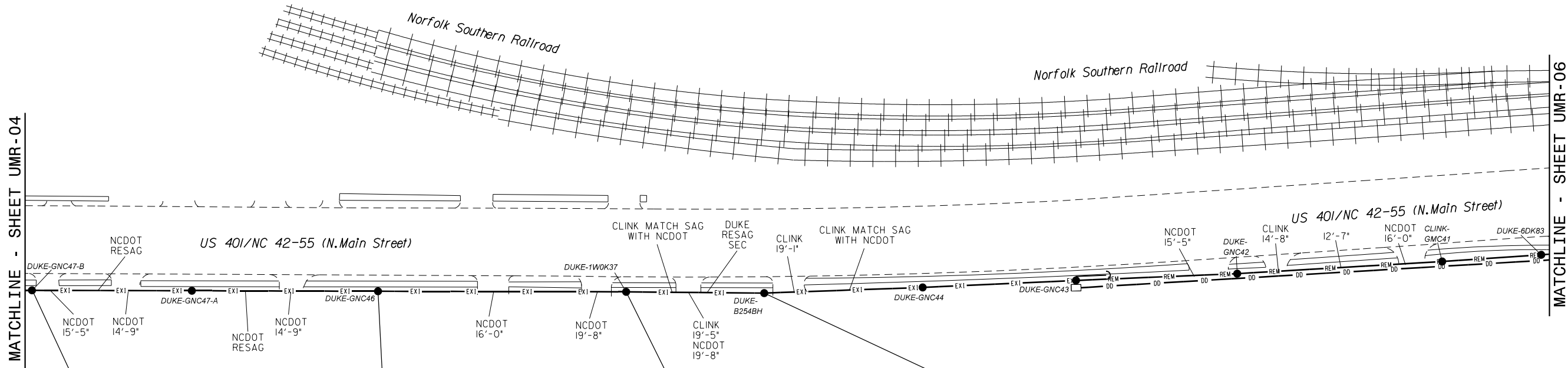
NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans										
	Division 5	Wake County									
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion									
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth									
<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							<p>CADD Filename: UMR-004.dgn</p>
REVISIONS	INIT.	DATE									

01-AUG-2022 12:00 P:\77350503\313_wor\atkins.com\ATK\N\001\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-004.dgn STIF-665 At LUS911085



30'-6"	NEUT	
29'-3"	TFMR 1	15"
29'-0"	SEC	3"
28'-10"	TFMR 2	2"
27'-6"	STLT	16"
24'-10"	DL	32"
24'-9"	CATV	1"
24'-4"	CLINK 1	5"
24'-3"	SVRSR	1"
23'-6"	CLINK 2	9"
22'-8"	MSGR 1	10"
21'-9"	CLINK 3	11"
20'-6"	MSGR 2	15"
19'-8"	CLINK 4	10"
18'-8"	NCDOT	12"

31'-9"	NEUT/SEC	
29'-11"	TFMR 1	22"
29'-6"	TFMR 2	5"
28'-4"	SVRSR	14"
25'-10"	CATV	30"
24'-10"	CLINK 1	12"
23'-10"	MSGR 1	12"
22'-9"	CLINK 2	13"
21'-10"	MSGR 2	11"
21'-2"	CLINK 3	8"
20'-5"	NCDOT	9"

30'-0"	NEUT 1 (BS)	
29'-10"	NEUT 2 (BS)	2"
29'-2"	SEC	8"
27'-9"	ARLT	17"
26'-10"	STLT & ARLT	11"
25'-9"	CATV	13"

31'-10"	NEUT	
30'-9"	TFMR	13"
30'-0"	SEC	9"
29'-2"	ARLT	10"
29'-0"	SVRSR	2"
27'-3"	STLT	21"
26'-7"	CATV	8"
25'-0"	CLINK 1	19"
24'-6"	MSGR 1	6"
23'-5"	CLINK 2 & CLINK 3	13"
22'-6"	MSGR 2	11"
21'-9"	CLINK 4	9"
21'-0"	NCDOT	9"

- DUKE RETUCK DL
- DUKE EXTEND SVRSR TO SEC (29'-0")
- CATV RAISE TO 40' BELOW SEC (25'-8")
- CLINK 1 RAISE TO 51' BELOW SEC (24'-9")
- CLINK 2 RAISE TO 56' BELOW SEC (24'-4")
- CLINK RAISE MSGR 1 TO 66' BELOW SEC (23'-6")
- CLINK 3 RAISE TO 76' BELOW SEC (22'-8")
- CLINK RAISE MSGR 2 TO 87' BELOW SEC (21'-9")
- CLINK 3 RAISE TO 102' BELOW SEC (20'-6")
- NCDOT RAISE TO 112' BELOW SEC (19'-8") TO PROVIDE CLEARANCE OVER DRIVEWAY
- DUKE EXTEND SVRSR TO 15' BELOW NEUT/SEC (30'-6")
- CATV RAISE TO 57' BELOW NEUT/SEC (27'-0")
- CLINK 1 RAISE TO 71' BELOW NEUT/SEC (25'-10")
- CLINK RAISE MSGR 1 TO 83' BELOW NEUT/SEC (24'-10")
- CLINK 2 RAISE TO 95' BELOW NEUT/SEC (23'-10")
- CLINK RAISE MSGR 2 TO 108' BELOW NEUT/SEC (22'-9")
- CLINK 3 RAISE TO 115' BELOW NEUT/SEC (22'-2")
- NCDOT RAISE TO 127' BELOW NEUT/SEC (21'-2") TO PROVIDE CLEARANCE OVER DRIVEWAY

- NCDOT TRANSFER & ATTACH AT 137' BELOW SEC (17'-9")
- CLINK 1 NEEDS TO TRANSFER & ATTACH 53' BELOW SEC (24'-9")
- CLINK 2 NEEDS TO TRANSFER & ATTACH 65' BELOW SEC (23'-9")
- CLINK 3 NEEDS TO TRANSFER & ATTACH 77' BELOW SEC (22'-9")
- CLINK 4 NEEDS TO TRANSFER & ATTACH 89' BELOW SEC (21'-9")
- CLINK 5 NEEDS TO TRANSFER & ATTACH 101' BELOW SEC (20'-9")
- CLINK 6 NEEDS TO TRANSFER & ATTACH 113' BELOW SEC (19'-9")
- CLINK 7 NEEDS TO TRANSFER & ATTACH 125' BELOW SEC (18'-9")

- DUKE RAISE SEC TO NEUT (31'-10")
- DUKE EXTEND SVRSR TO NEUT (31'-10")

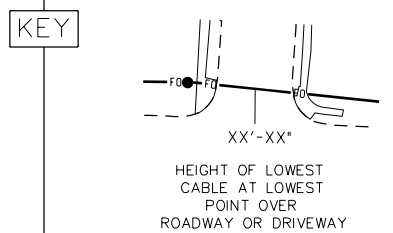
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

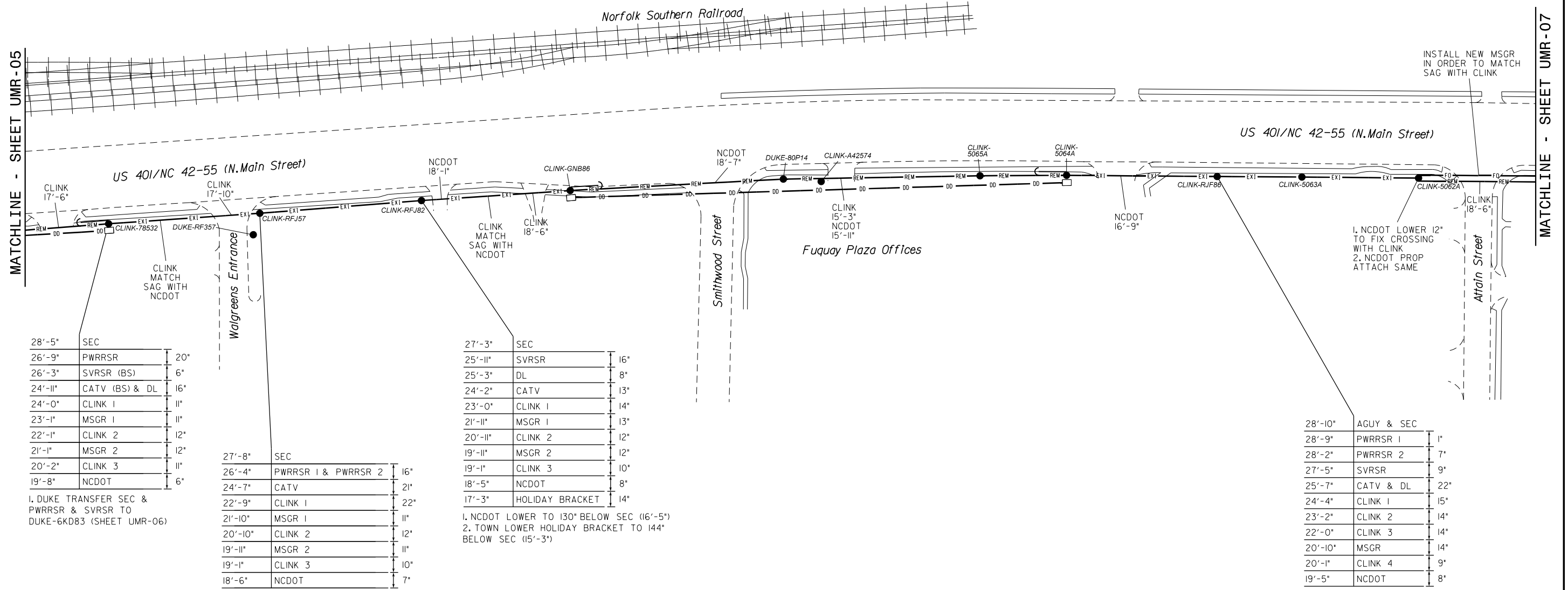


- AT&T
- CATV
- CCTV
- CLINK
- COUNTY
- DUKE
- NCDOT
- PNG
- SP
- TOWN
- UNK
- VZN
- AT&T Cable Television (Spectrum)
- Closed-Circuit Television
- Century Link
- Wake County
- Duke Energy
- North Carolina Department of Transportation
- Piedmont Natural Gas
- Signal Pole (NCDOT)
- Town of Fuquay-Varina
- Unknown Utility Owner
- Verizon

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS INIT. DATE
	SCALE 0 50 1"=50' ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE	

01-AUG-2022 12:00
 P:\77\5050503\313_westh\ins-com\ATKIN\N01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-005.dgn
 STIF-4685 At LUS491085



28'-5"	SEC	
26'-9"	PWRRSR	20"
26'-3"	SVRSR (BS)	6"
24'-11"	CATV (BS) & DL	16"
24'-0"	CLINK 1	11"
23'-1"	MSGR 1	11"
22'-1"	CLINK 2	12"
21'-1"	MSGR 2	12"
20'-2"	CLINK 3	11"
19'-8"	NCDOT	6"

1. DUKE TRANSFER SEC & PWRRSR & SVRSR TO DUKE-6KD83 (SHEET UMR-06)

27'-8"	SEC	
26'-4"	PWRRSR 1 & PWRRSR 2	16"
24'-7"	CATV	21"
22'-9"	CLINK 1	22"
21'-10"	MSGR 1	11"
20'-10"	CLINK 2	12"
19'-11"	MSGR 2	11"
19'-1"	CLINK 3	10"
18'-6"	NCDOT	7"

1. DUKE TRANSFER & ATTACH SEC & PWRRSR 1 & 2 TO DUKE-RF357
2. CLINK 1 RAISE TO 10' BELOW CATV (23'-9")
3. CLINK RAISE MSGR 1 TO 22' BELOW CATV (22'-9")
4. CLINK 2 RAISE TO 33' BELOW CATV (21'-10")
5. CLINK RAISE MSGR 2 TO 45' BELOW CATV (20'-10")
6. CLINK 3 RAISE TO 56' BELOW CATV (19'-11")
7. NCDOT RAISE TO 66' BELOW CATV (19'-1")

27'-3"	SEC	
25'-11"	SVRSR	16"
25'-3"	DL	8"
24'-2"	CATV	13"
23'-0"	CLINK 1	14"
21'-11"	MSGR 1	13"
20'-11"	CLINK 2	12"
19'-11"	MSGR 2	12"
19'-1"	CLINK 3	10"
18'-5"	NCDOT	8"
17'-3"	HOLIDAY BRACKET	14"

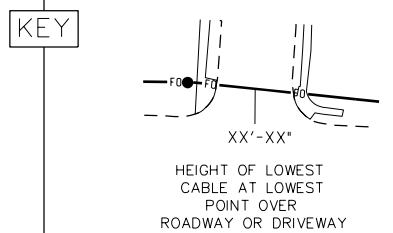
1. NCDOT LOWER TO 130" BELOW SEC (16'-5")
2. TOWN LOWER HOLIDAY BRACKET TO 144" BELOW SEC (15'-3")

28'-10"	AGUY & SEC	
28'-9"	PWRRSR 1	1"
28'-2"	PWRRSR 2	7"
27'-5"	SVRSR	9"
25'-7"	CATV & DL	22"
24'-4"	CLINK 1	15"
23'-2"	CLINK 2	14"
22'-0"	CLINK 3	14"
20'-10"	MSGR	14"
20'-1"	CLINK 4	9"
19'-5"	NCDOT	8"

1. DUKE RETUCK DL
2. NCDOT LOWER TO 125" BELOW AGUY & SEC (18'-5")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBES #F-0326

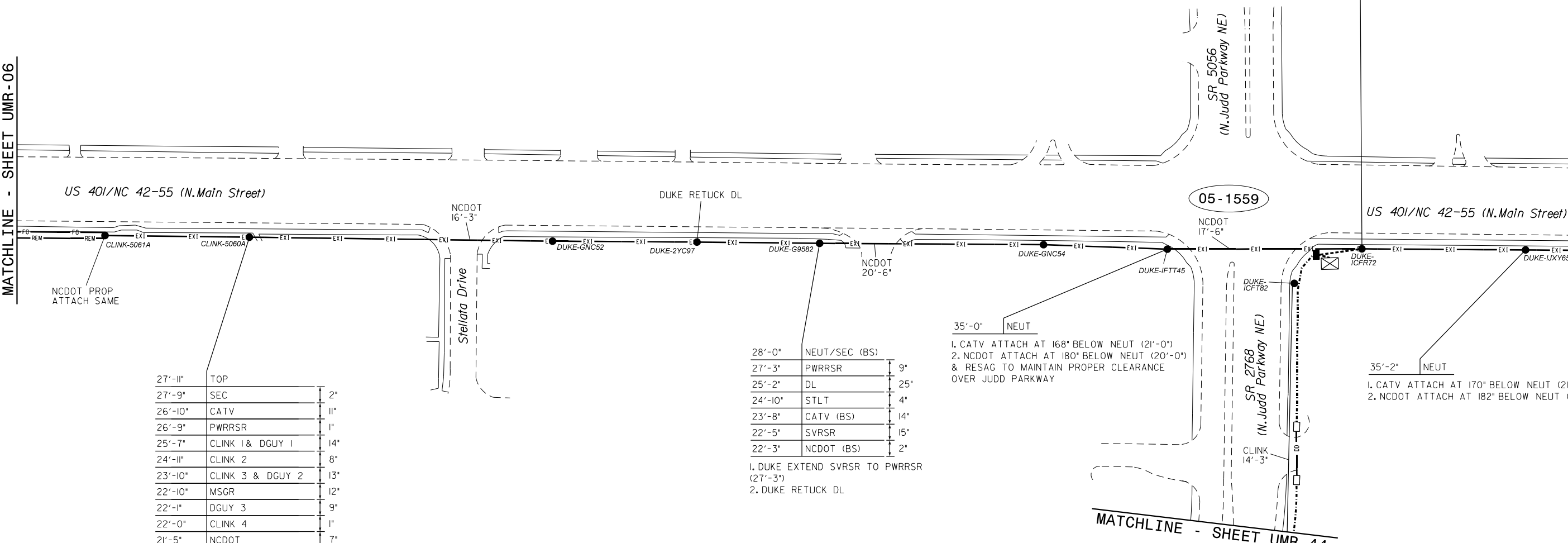
		Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5 PLAN DATE: April 2022 PREPARED BY: JT Stiff	Wake County REVIEWED BY: AM Encarnacion REVIEWED BY: MB Toth	Fuquay-Varina REVISIONS INIT. DATE	CADD Filename: UMR-006.dgn

- NCDOT LOWER TO 8" BELOW NEUT (20'-7")
- CLINK LOWER TO 69" BELOW NEUT (21'-7")
- CATV LOWER TO 54" BELOW NEUT (22'-10")

27'-4"	NEUT	
26'-8"	PWR DGUY	8"
23'-11"	CATV	33"
22'-10"	CLINK	13"
21'-7"	NCDOT	15"

MATCHLINE - SHEET UMR-06

MATCHLINE - SHEET UMR-08



27'-11"	TOP	
27'-9"	SEC	2"
26'-10"	CATV	11"
26'-9"	PWRRSR	1"
25'-7"	CLINK 1 & DGUY 1	14"
24'-11"	CLINK 2	8"
23'-10"	CLINK 3 & DGUY 2	13"
22'-10"	MSGR	12"
22'-1"	DGUY 3	9"
22'-0"	CLINK 4	1"
21'-5"	NCDOT	7"

- CLINK REPLACE WITH 5' TALLER POLE (40')
- CATV TRANSFER & ATTACH AT 40" BELOW PWR
- CLINK 1 & DGUY 1 ATTACH AT 52" BELOW PWR
- CLINK 2 ATTACH AT 64" BELOW PWR
- CLINK 3 & DGUY 2 ATTACH AT 76" BELOW PWR
- CLINK ATTACH MSGR AT 88" BELOW PWR
- CLINK 4 & DGUY 3 ATTACH AT 100" BELOW PWR
- NCDOT ATTACH AT 112" BELOW PWR TO PROVIDE CLEARANCE OVER STELLATA DRIVE

28'-0"	NEUT/SEC (BS)	
27'-3"	PWRRSR	9"
25'-2"	DL	25"
24'-10"	STLT	4"
23'-8"	CATV (BS)	14"
22'-5"	SVRSR	15"
22'-3"	NCDOT (BS)	2"

1. DUKE EXTEND SVRSR TO PWRRSR (27'-3")
2. DUKE RETUCK DL

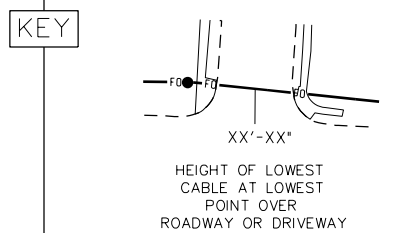
35'-0" NEUT
1. CATV ATTACH AT 168" BELOW NEUT (21'-0")
2. NCDOT ATTACH AT 180" BELOW NEUT (20'-0") & RESAG TO MAINTAIN PROPER CLEARANCE OVER JUDD PARKWAY

35'-2" NEUT
1. CATV ATTACH AT 170" BELOW NEUT (21'-0")
2. NCDOT ATTACH AT 182" BELOW NEUT (20'-0")

MATCHLINE - SHEET UMR-44

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

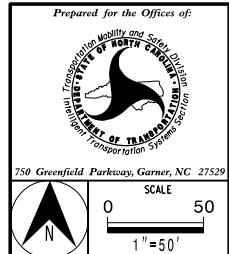
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ATKINS

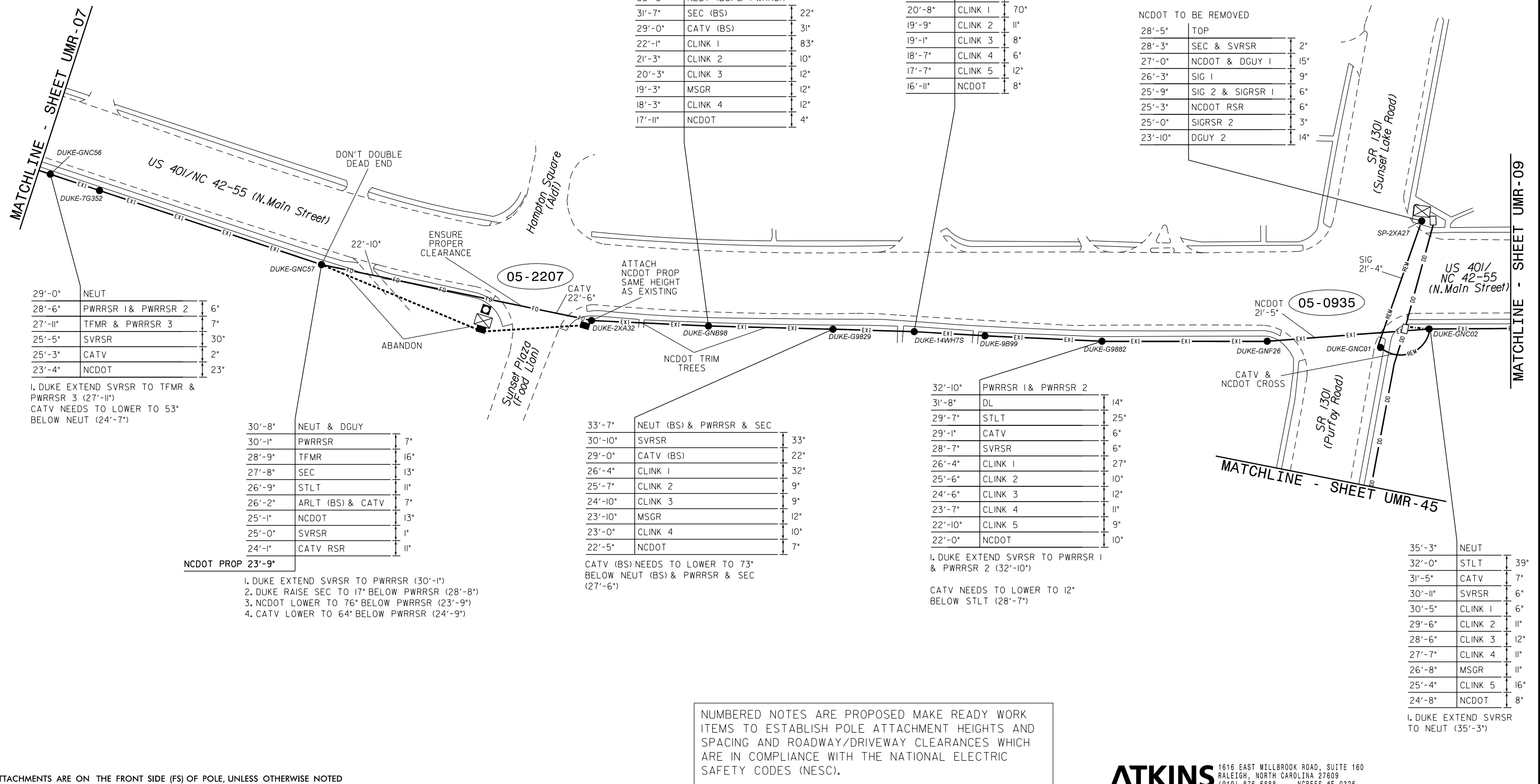
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

01-AUG-2022 12:01 P:\7\SDS053433_westh\ins.com\ATKINS\01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-007.dgn STIF-4685 At LUS911085



CATV (BS) NEEDS TO LOWER TO 40" BELOW SEC (BS) (28'-3")	
33'-5"	NEUT (BS) & PWRRSR
31'-7"	SEC (BS)
29'-0"	CATV (BS)
22'-1"	CLINK 1
21'-3"	CLINK 2
20'-3"	CLINK 3
19'-3"	MSGR
18'-3"	CLINK 4
17'-11"	NCDOT

CATV NEEDS TO LOWER TO 60" BELOW NEUT (25'-2")	
30'-2"	NEUT
28'-6"	PWRRSR
26'-6"	CATV
20'-8"	CLINK 1
19'-9"	CLINK 2
19'-1"	CLINK 3
18'-7"	CLINK 4
17'-7"	CLINK 5
16'-11"	NCDOT

NCDOT TO BE REMOVED	
28'-5"	TOP
28'-3"	SEC & SVRSR
27'-0"	NCDOT & DGUY 1
26'-3"	SIG 1
25'-9"	SIG 2 & SIGRSR 1
25'-3"	NCDOT RSR
25'-0"	SIGRSR 2
23'-10"	DGUY 2

29'-0"	NEUT
28'-6"	PWRRSR 1 & PWRRSR 2
27'-11"	TFMR & PWRRSR 3
25'-5"	SVRSR
25'-3"	CATV
23'-4"	NCDOT

1. DUKE EXTEND SVRSR TO TFMR & PWRRSR 3 (27'-11")
 CATV NEEDS TO LOWER TO 53" BELOW NEUT (24'-7")

30'-8"	NEUT & DGUY
30'-1"	PWRRSR
28'-9"	TFMR
27'-8"	SEC
26'-9"	STLT
26'-2"	ARLT (BS) & CATV
25'-1"	NCDOT
25'-0"	SVRSR
24'-1"	CATV RSR

NCDOT PROP 23'-9"
 1. DUKE EXTEND SVRSR TO PWRRSR (30'-1")
 2. DUKE RAISE SEC TO 17" BELOW PWRRSR (28'-8")
 3. NCDOT LOWER TO 76" BELOW PWRRSR (23'-9")
 4. CATV LOWER TO 64" BELOW PWRRSR (24'-9")

33'-7" NEUT (BS) & PWRRSR & SEC	
30'-10"	SVRSR
29'-0"	CATV (BS)
26'-4"	CLINK 1
25'-7"	CLINK 2
24'-10"	CLINK 3
23'-10"	MSGR
23'-0"	CLINK 4
22'-5"	NCDOT

CATV (BS) NEEDS TO LOWER TO 73" BELOW NEUT (BS) & PWRRSR & SEC (27'-6")

32'-10"	PWRRSR 1 & PWRRSR 2
31'-8"	DL
29'-7"	STLT
29'-1"	CATV
28'-7"	SVRSR
26'-4"	CLINK 1
25'-6"	CLINK 2
24'-6"	CLINK 3
23'-7"	CLINK 4
22'-10"	CLINK 5
22'-0"	NCDOT

1. DUKE EXTEND SVRSR TO PWRRSR 1 & PWRRSR 2 (32'-10")

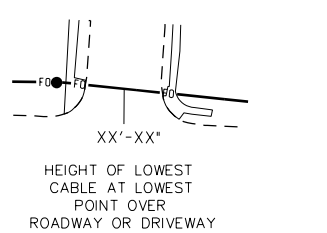
CATV NEEDS TO LOWER TO 12" BELOW STLT (28'-7")

35'-3"	NEUT
32'-0"	STLT
31'-5"	CATV
30'-11"	SVRSR
30'-5"	CLINK 1
29'-6"	CLINK 2
28'-6"	CLINK 3
27'-7"	CLINK 4
26'-8"	MSGR
25'-4"	CLINK 5
24'-8"	NCDOT

1. DUKE EXTEND SVRSR TO NEUT (35'-3")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



AT&T	AT&T
CATV	Cable Television (Spectrum)
CCTV	Closed-Circuit Television
CLINK	Century Link
COUNTY	Wake County
DUKE	Duke Energy
NCDOT	North Carolina Department of Transportation
PNG	Piedmont Natural Gas
SP	Signal Pole (NCDOT)
TOWN	Town of Fuquay-Varina
UNK	Unknown Utility Owner
VZN	Verizon

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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-8888 NCBEEES #F-0326

Prepared for the Offices of:

750 Greenfield Parkway, Garner, NC 27529

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

SCALE
 0 50
 1"=50'

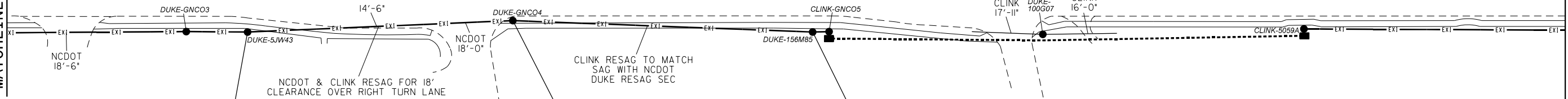
CADD Filename: UMR-008.dgn

MATCHLINE - SHEET UMR-08

MATCHLINE - SHEET UMR-10

US 401/NC 42-55 (N.Main Street)

US 401/NC 42-55 (N.Main Street)



33'-11"	NEUT & SEC	
33'-4"	PWRRSR	7"
25'-8"	CATV	92"
24'-8"	CLINK 1	12"
23'-10"	CLINK 2	10"
22'-11"	MSGR	11"
21'-11"	CLINK 3	12"
21'-3"	CLINK 4	8"
20'-3"	CLINK 5	12"
19'-4"	NCDOT	11"

- CATV RAISE TO 80" BELOW PWRRSR (26'-8")
- CLINK 1 RAISE TO 92" BELOW PWRRSR (25'-8")
- CLINK 2 RAISE TO 104" BELOW PWRRSR (24'-8")
- CLINK RAISE MSGR TO 114" BELOW PWRRSR (23'-10")
- CLINK 3 RAISE TO 125" BELOW PWRRSR (22'-11")
- CLINK 4 RAISE TO 137" BELOW PWRRSR (21'-11")
- CLINK 5 RAISE TO 145" BELOW PWRRSR (21'-3")
- NCDOT RAISE TO 157" BELOW PWRRSR (20'-3")

33'-6"	NEUT & SEC	
33'-0"	PWRRSR 1	6"
32'-0"	PWRRSR 2	12"
31'-10"	TFMR	2"
30'-11"	PWRRSR 3 & PWRRSR 4	11"
30'-5"	STLT	6"
26'-7"	CATV	46"
25'-7"	CLINK 1	12"
24'-6"	CLINK 2	13"
23'-9"	CLINK 3	9"
22'-9"	CLINK 4	12"
21'-8"	MSGR	13"
20'-9"	CLINK 5	11"
20'-4"	NCDOT	5"

- CATV RAISE TO 40" BELOW PWRRSR 3 & PWRRSR 4 (27'-7")
- CLINK 1 RAISE TO 52" BELOW PWRRSR 3 & PWRRSR 4 (26'-7")
- CLINK 2 RAISE TO 64" BELOW PWRRSR 3 & PWRRSR 4 (25'-7")
- CLINK 3 RAISE TO 77" BELOW PWRRSR 3 & PWRRSR 4 (24'-6")
- CLINK 4 RAISE TO 86" BELOW PWRRSR 4 & PWRRSR 4 (23'-9")
- CLINK RAISE MSGR TO 98" BELOW PWRRSR 3 & PWRRSR 4 (22'-9")
- CLINK 5 RAISE TO 111" BELOW PWRRSR 3 & PWRRSR 4 (21'-8")
- NCDOT RAISE TO 122" BELOW PWRRSR 3 & PWRRSR 4 (20'-9")

33'-6" NEUT & SEC & PWRRSR

- CATV ATTACH 85" BELOW NEUT & SEC & PWRRSR (26'-5")
- CLINK 1 ATTACH 97" BELOW NEUT & SEC & PWRRSR (25'-5")
- CLINK 2 ATTACH 109" BELOW NEUT & SEC & PWRRSR (24'-5")
- CLINK 3 ATTACH 121" BELOW NEUT & SEC & PWRRSR (23'-5")
- CLINK 4 ATTACH 133" BELOW NEUT & SEC & PWRRSR (22'-5")
- CLINK ATTACH MSGR 145" BELOW NEUT & SEC & PWRRSR (21'-5")
- CLINK 5 ATTACH 157" BELOW NEUT & SEC & PWRRSR (20'-5")
- NCDOT ATTACH 169" BELOW NEUT & SEC & PWRRSR (19'-5")

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

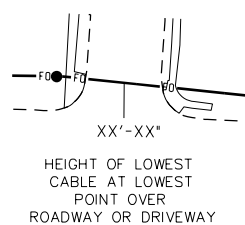
NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

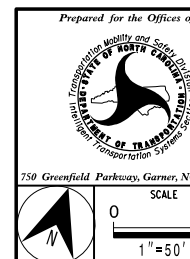
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

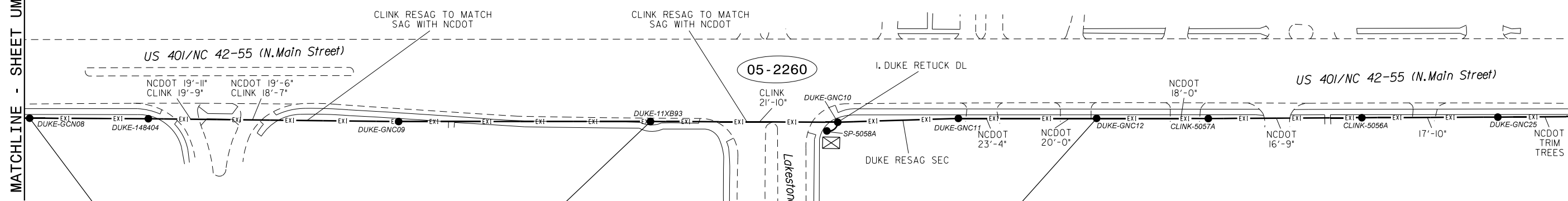


Fuquay-Varina Signal System
Utility Make Ready Plans

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

MATCHLINE - SHEET UMR-09

MATCHLINE - SHEET UMR-11



34'-5"	NEUT	
33'-2"	SVRSR & SEC	15"
30'-3"	STLT	35"
30'-0"	CATV & DGUY	3"
29'-1"	CLINK 1	11"
28'-1"	CLINK 2	12"
27'-1"	CLINK 3	12"
25'-11"	CLINK 4	14"
24'-10"	MSGR	13"
23'-11"	CLINK 5	11"
23'-5"	NCDOT	6"

I. NCDOT LOWER TO 134" BELOW SVRSR & SEC (22'-0")

33'-5"	NEUT	
31'-5"	PWRRSR	24"
29'-10"	CATV	19"
28'-6"	CLINK 1	16"
27'-4"	CLINK 2	14"
26'-5"	CLINK 3	11"
25'-6"	MSGR	11"
24'-10"	CLINK 4	8"
24'-0"	NCDOT	10"

I. NCDOT LOWER TO 113" BELOW PWRRSR (22'-0")

CLINK 4 NEEDS TO LOWER TO 101" BELOW PWRRSR (23'-0")
 CLINK NEEDS TO LOWER MSGR TO 89" BELOW PWRRSR (24'-0")
 CLINK 3 NEEDS TO LOWER TO 79" BELOW PWRRSR (24'-10")
 CLINK 2 NEEDS TO LOWER TO 71" BELOW PWRRSR (25'-6")
 CLINK 1 NEEDS TO LOWER TO 60" BELOW PWRRSR (26'-5")
 CATV NEEDS TO LOWER TO 49" BELOW PWRRSR (27'-4")

35'-5"	NEUT & SEC & TFMR	
32'-0"	STLT	41"
31'-8"	ARLT (BS)	4"
25'-7"	CATV & DGUY	73"

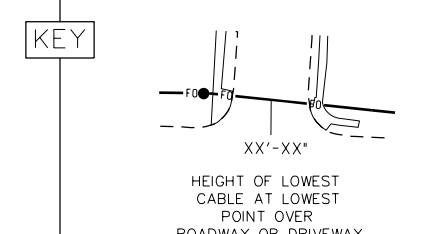
I. NCDOT TRANSFER & ATTACH 190" BELOW NEUT & SEC & TFMR (19'-7")

CLINK 1 NEEDS TO TRANSFER & ATTACH 130" BELOW NEUT & SEC & TFMR (24'-7")
 CLINK 2 NEEDS TO TRANSFER & ATTACH 142" BELOW NEUT & SEC & TFMR (23'-7")
 CLINK 3 NEEDS TO TRANSFER & ATTACH 154" BELOW NEUT & SEC & TFMR (22'-7")
 CLINK NEEDS TO TRANSFER & ATTACH MSGR 166" BELOW NEUT & SEC & TFMR (21'-7")
 CLINK 4 NEEDS TO TRANSFER & ATTACH 178" BELOW NEUT & SEC & TFMR (20'-7")

01-AUG-2022 12:01 P:\7\SDS053433\work\atkins.com\ATKIN\01\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-010.dgn STIF-4685 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NECS).

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1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion

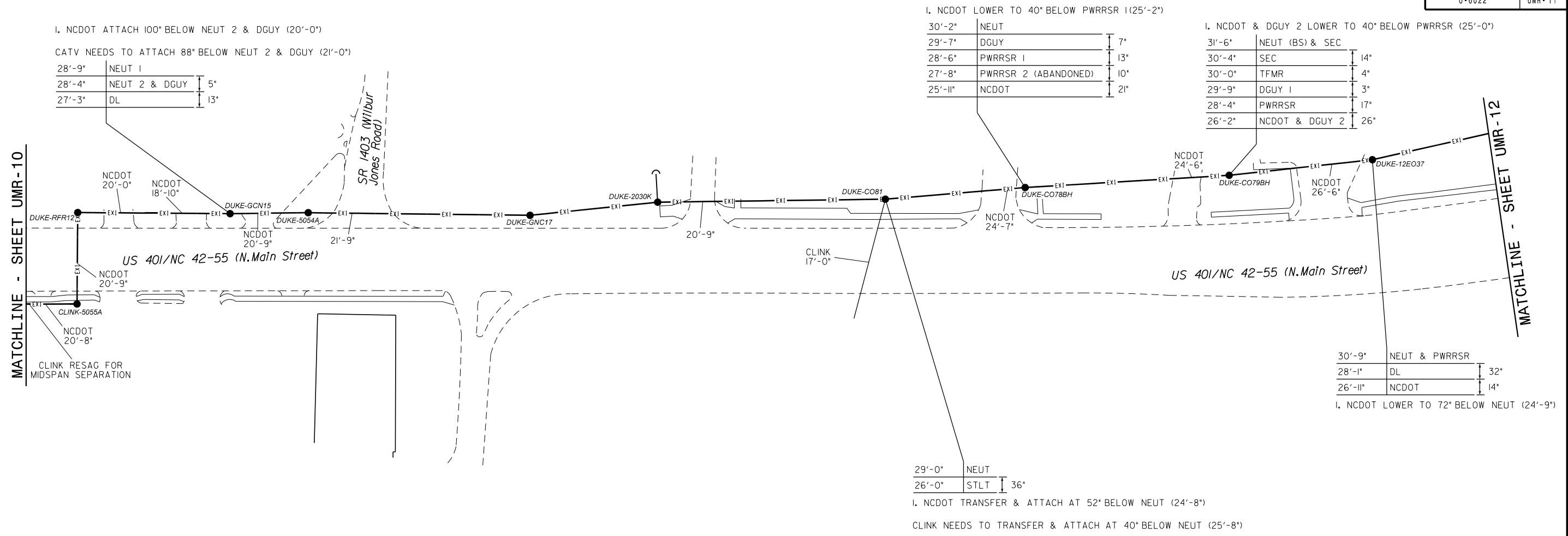
PREPARED BY: JT Stiff REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE
0 50
1"=50'

CADD Filename: UMR-010.dgn



I. NCDOT ATTACH 100" BELOW NEUT 2 & DGUY (20'-0")
 CATV NEEDS TO ATTACH 88" BELOW NEUT 2 & DGUY (21'-0")

28'-9"	NEUT 1	
28'-4"	NEUT 2 & DGUY	5"
27'-3"	DL	13"

I. NCDOT LOWER TO 40" BELOW PWRSSR 1 (25'-2")

30'-2"	NEUT	
29'-7"	DGUY	7"
28'-6"	PWRSSR 1	13"
27'-8"	PWRSSR 2 (ABANDONED)	10"
25'-11"	NCDOT	21"

I. NCDOT & DGUY 2 LOWER TO 40" BELOW PWRSSR (25'-0")

31'-6"	NEUT (BS) & SEC	
30'-4"	SEC	14"
30'-0"	TFMR	4"
29'-9"	DGUY 1	3"
28'-4"	PWRSSR	17"
26'-2"	NCDOT & DGUY 2	26"

30'-9"	NEUT & PWRSSR	
28'-1"	DL	32"
26'-11"	NCDOT	14"

I. NCDOT LOWER TO 72" BELOW NEUT (24'-9")

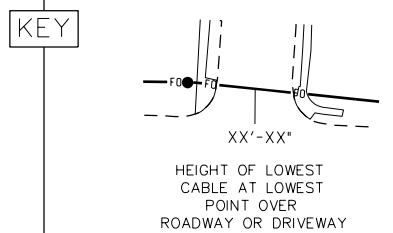
29'-0"	NEUT	
26'-0"	STLT	36"

I. NCDOT TRANSFER & ATTACH AT 52" BELOW NEUT (24'-8")
 CLINK NEEDS TO TRANSFER & ATTACH AT 40" BELOW NEUT (25'-8")

01-AUG-2022 12:01 P:\7\SDS05343\work\atkins.com\ATKIN\01\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-011.dgn STIF-665 At LUS911085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

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750 Greenfield Parkway, Garner, NC 27529

1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEEB #F-0326

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion

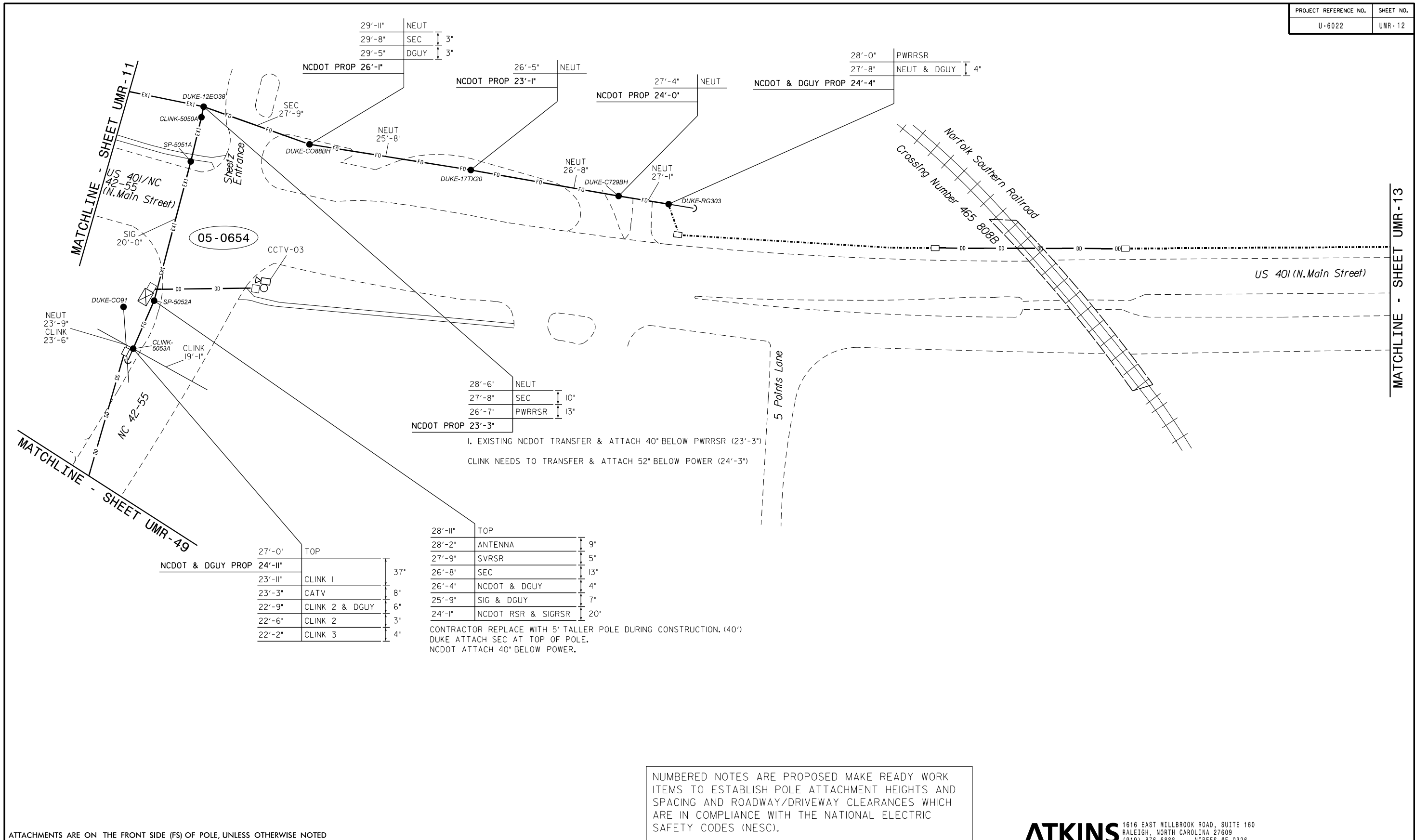
PREPARED BY: JT Stiff REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

0 SCALE 50

1"=50'

CADD Filename: UMR-011.dgn



28'-6"	NEUT	10'
27'-8"	SEC	
26'-7"	PWRRSR	
NCDOT PROP 23'-3"		

I. EXISTING NCDOT TRANSFER & ATTACH 40" BELOW PWRRSR (23'-3")
 CLINK NEEDS TO TRANSFER & ATTACH 52" BELOW POWER (24'-3")

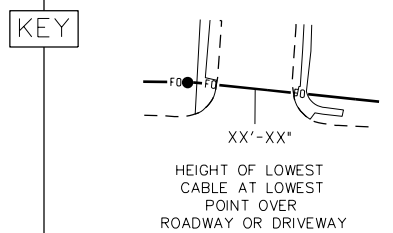
27'-0"	TOP	37'
24'-11"	NCDOT & DGUY PROP	
23'-11"	CLINK 1	
23'-3"	CATV	
22'-9"	CLINK 2 & DGUY	
22'-6"	CLINK 2	
22'-2"	CLINK 3	

28'-11"	TOP	20'
28'-2"	ANTENNA	
27'-9"	SVRSR	
26'-8"	SEC	
26'-4"	NCDOT & DGUY	
25'-9"	SIG & DGUY	
24'-1"	NCDOT RSR & SIGRSR	

CONTRACTOR REPLACE WITH 5' TALLER POLE DURING CONSTRUCTION. (40')
 DUKE ATTACH SEC AT TOP OF POLE.
 NCDOT ATTACH 40" BELOW POWER.

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
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1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

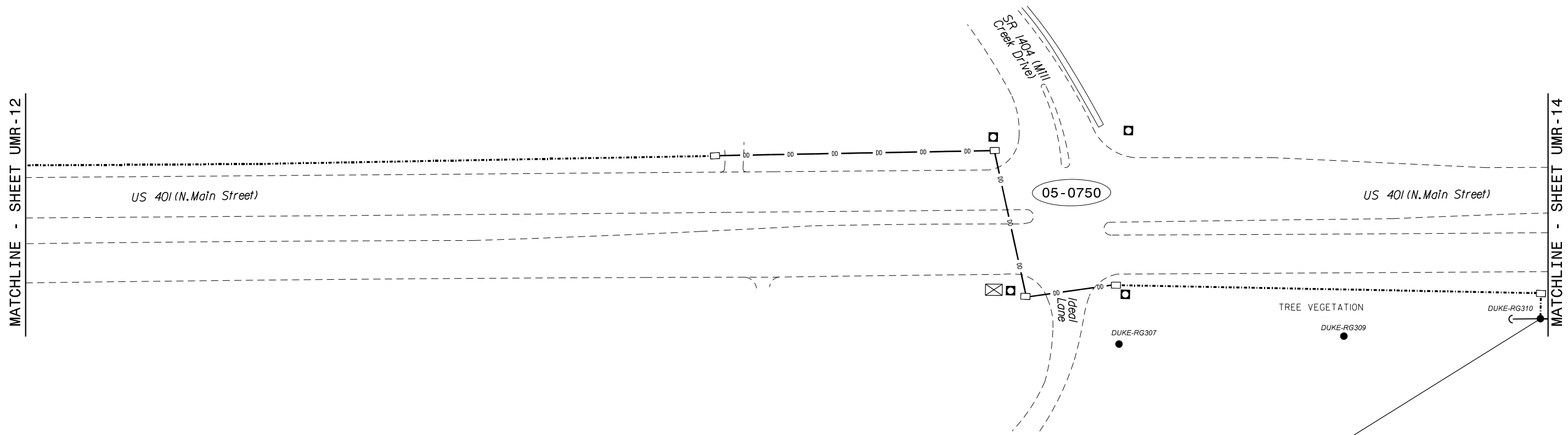
REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE
0 50
1"=50'

CADD Filename: UMR-012.dgn

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 STIF-4685 At LUS91085



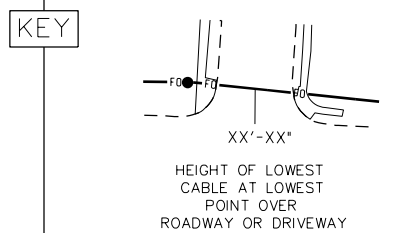
30'-4"	NEUT 1 (BS)	
29'-10"	NEUT 2 (BS) & DGUY 1	6"
29'-5"	TFMR	5"
28'-4"	PWRRSR	13"
27'-0"	DGUY 2	16"
25'-10"	CLINK	14"
NCDOT & DGUY PROP 25'-0"		

I. CLINK & DGUY 2 LOWER TO 52' BELOW PWRRSR (24'-0")

01-AUG-2022 12:01 P:\77\50505343_wor\atkins.com\ATKMAN01\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-013.dgn STIF-665 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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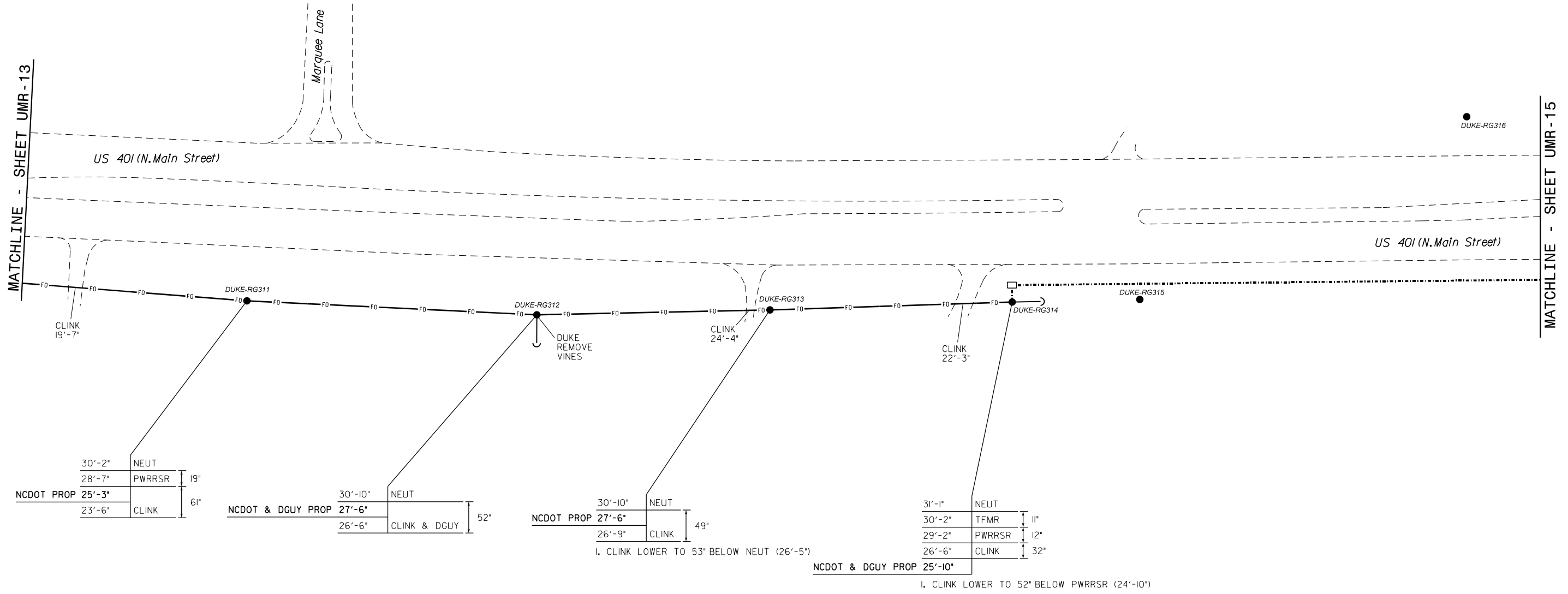
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County Fuquay-Varina
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS		INIT. DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

CADD Filename: UMR-013.dgn



30'-2"	NEUT	19"
28'-7"	PWRRSR	
NCDOT PROP 25'-3"		61"
23'-6"	CLINK	

30'-10"	NEUT	52"
NCDOT & DGUY PROP 27'-6"	CLINK & DGUY	
26'-6"		

30'-10"	NEUT	49"
NCDOT PROP 27'-6"	CLINK	
26'-9"		

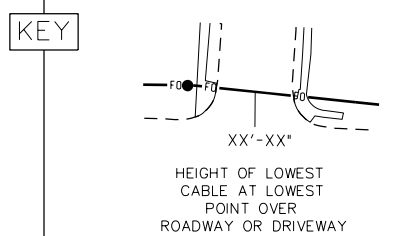
I. CLINK LOWER TO 53" BELOW NEUT (26'-5")

31'-1"	NEUT	11"
30'-2"	TFMR	
29'-2"	PWRRSR	12"
26'-6"	CLINK	32"
NCDOT & DGUY PROP 25'-10"		

I. CLINK LOWER TO 52" BELOW PWRRSR (24'-10")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
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- TOWN Town of Fuquay-Varina
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

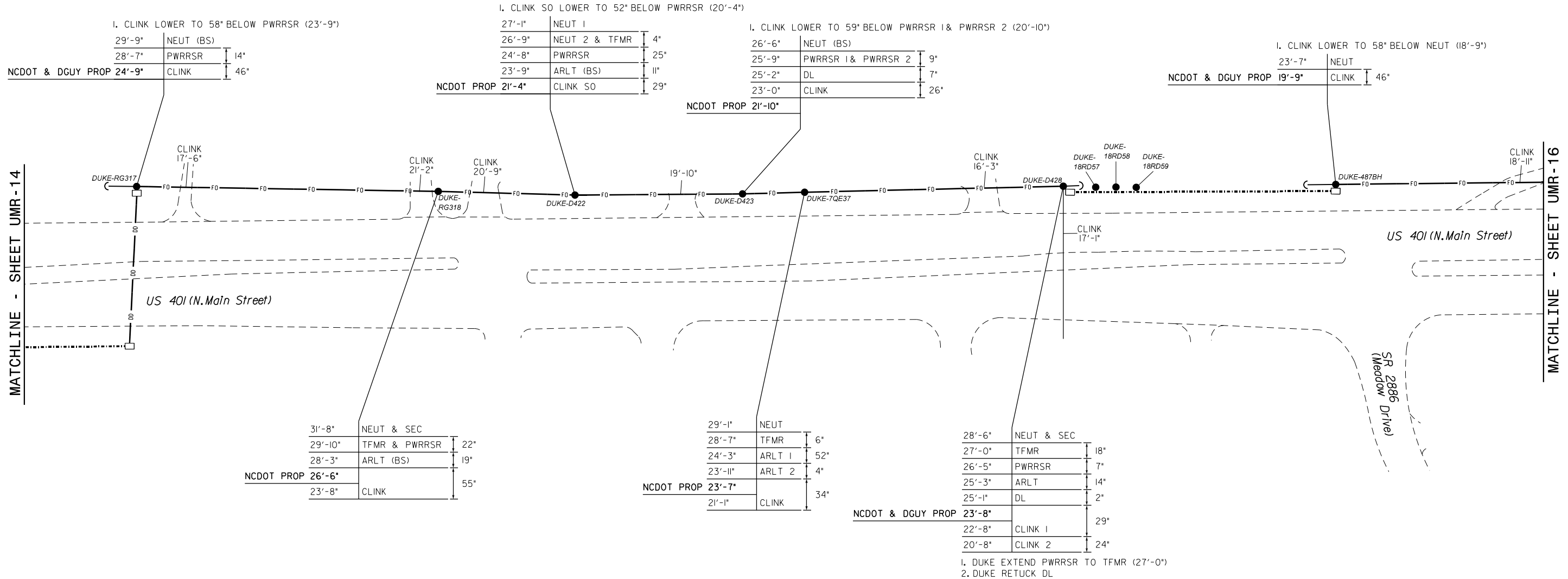
	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County Fuquay-Varina
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

CADD Filename: UMR-014.dgn

01-AUG-2022 12:02 P:\77\SDSD05343_worh\ins.com\ATKIN\01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-014.dgn STIF-4685 At LUS491085



MATCHLINE - SHEET UMR-14

MATCHLINE - SHEET UMR-16

I. CLINK LOWER TO 58" BELOW PWRRSR (23'-9")

29'-9"	NEUT (BS)	14"
28'-7"	PWRRSR	
NCDOT & DGUY PROP 24'-9"	CLINK	

I. CLINK SO LOWER TO 52" BELOW PWRRSR (20'-4")

27'-1"	NEUT 1	4"	
26'-9"	NEUT 2 & TFMR		
24'-8"	PWRRSR		25"
23'-9"	ARLT (BS)		11"
NCDOT PROP 21'-4"	CLINK SO		29"

I. CLINK LOWER TO 59" BELOW PWRRSR 1 & PWRRSR 2 (20'-10")

26'-6"	NEUT (BS)	9"	
25'-9"	PWRRSR 1 & PWRRSR 2		
25'-2"	DL		7"
23'-0"	CLINK		26"

I. CLINK LOWER TO 58" BELOW NEUT (18'-9")

23'-7"	NEUT	46"
NCDOT & DGUY PROP 19'-9"	CLINK	

NCDOT PROP

31'-8"	NEUT & SEC	22"	
29'-10"	TFMR & PWRRSR		
28'-3"	ARLT (BS)		19"
26'-6"			55"
23'-8"	CLINK		

NCDOT PROP

29'-1"	NEUT	6"	
28'-7"	TFMR		
24'-3"	ARLT 1		52"
23'-11"	ARLT 2		4"
21'-1"	CLINK		34"

NCDOT & DGUY PROP

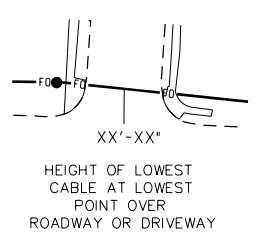
28'-6"	NEUT & SEC	18"	
27'-0"	TFMR		
26'-5"	PWRRSR		7"
25'-3"	ARLT		14"
25'-1"	DL		2"
23'-8"			29"
22'-8"	CLINK 1		
20'-8"	CLINK 2	24"	

- DUKE EXTEND PWRRSR TO TFMR (27'-0")
- DUKE RETUCK DL

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

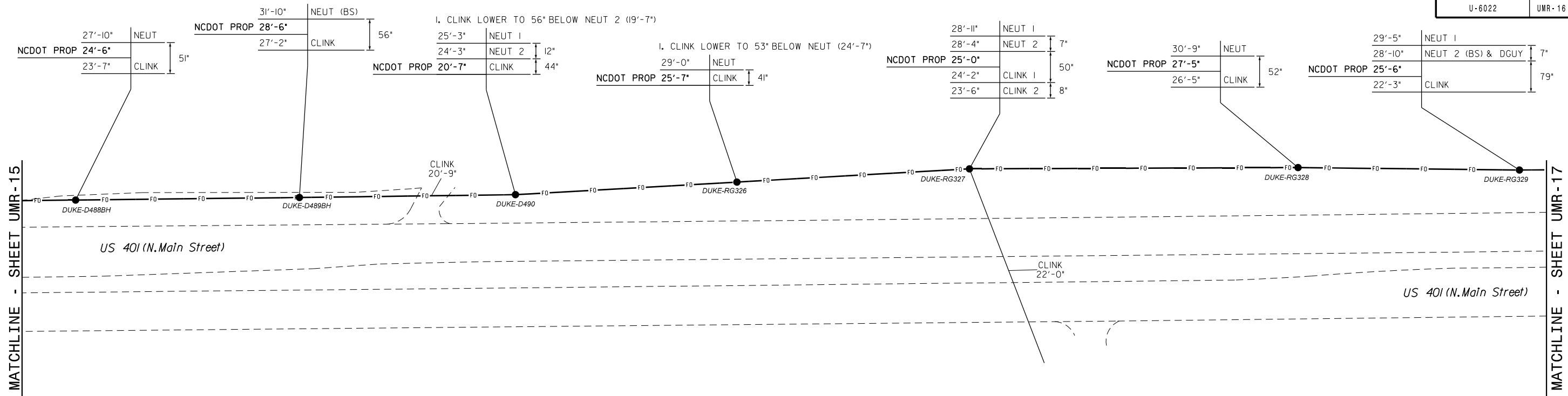
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County Fuquay-Varina
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 1"=50'

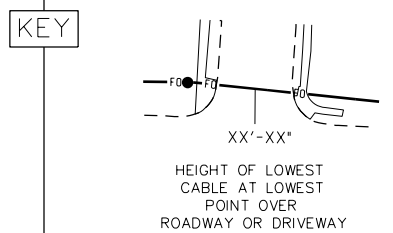
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 STIF-665 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

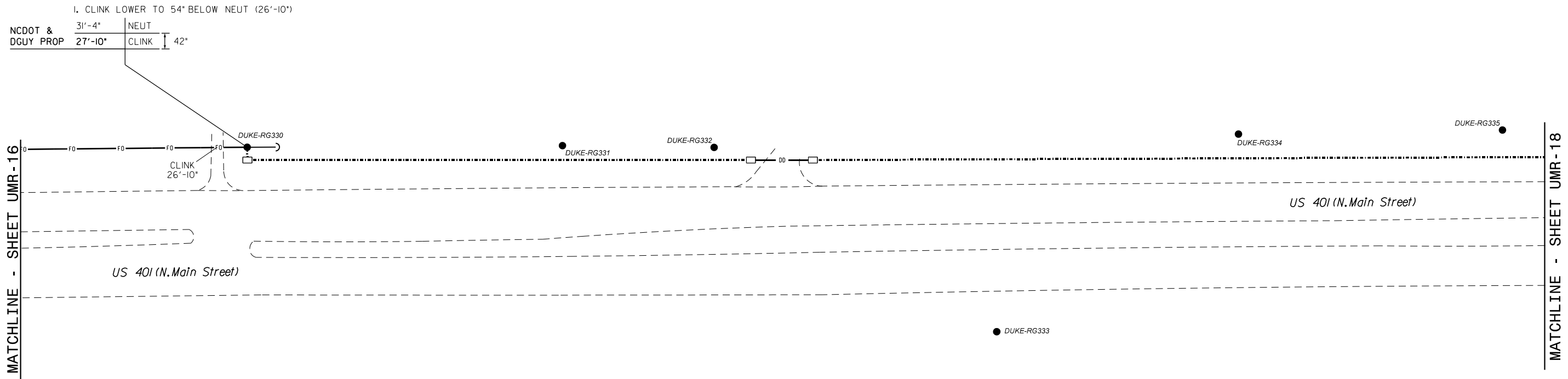
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

CADD Filename: UMR-016.dgn

750 Greenfield Parkway, Garner, NC 27529

SCALE: 1"=50'

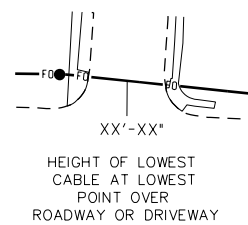


01-AUG-2022 12:02 P:\77\3505056343_wor\k\ins-com\ATKINS\01\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-017.dgn STIF-665 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
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| CLINK | Century Link |
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| DUKE | Duke Energy |
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| PNG | Piedmont Natural Gas |
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| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
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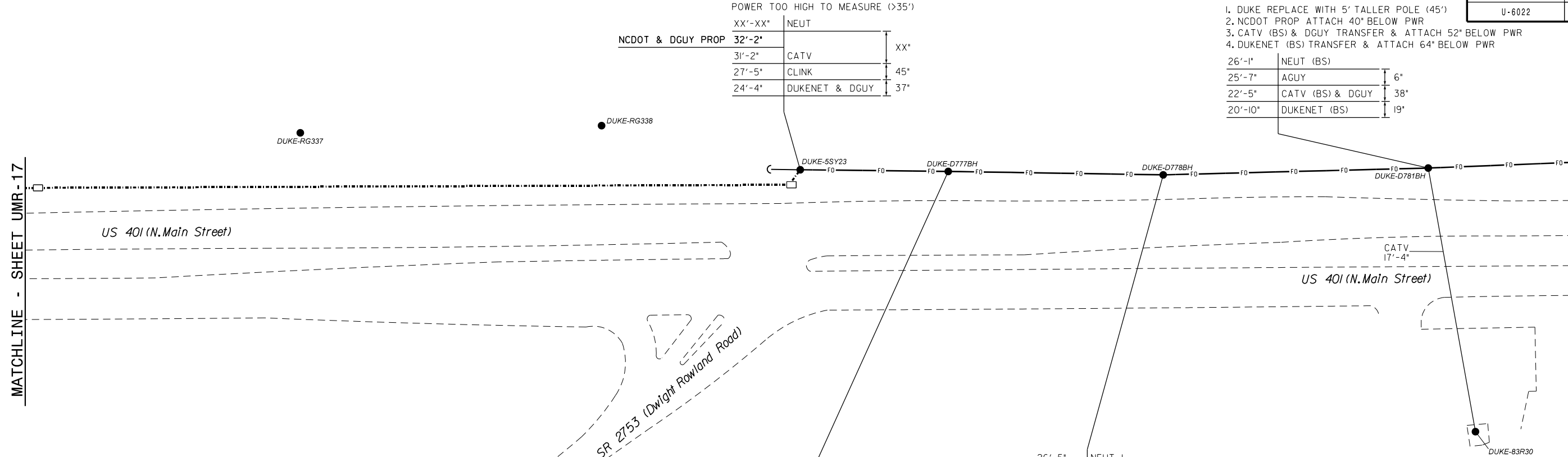
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

<p>750 Greenfield Parkway, Garner, NC 27529</p>	Fuquay-Varina Signal System Utility Make Ready Plans			
	Division 5 Wake County Fuquay-Varina			
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion		
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth		
REVISIONS		INIT.	DATE	

CADD Filename: UMR-017.dgn

MATCHLINE - SHEET UMR-17

MATCHLINE - SHEET UMR-19



POWER TOO HIGH TO MEASURE (>35')

XX'-XX"	NEUT	
NCDOT & DGUY PROP 32'-2"		
31'-2"	CATV	XX"
27'-5"	CLINK	45"
24'-4"	DUKENET & DGUY	37"

- DUKE REPLACE WITH 5' TALLER POLE (45')
- NCDOT PROP ATTACH 40' BELOW PWR
- CATV (BS) & DGUY TRANSFER & ATTACH 52' BELOW PWR
- DUKENET (BS) TRANSFER & ATTACH 64' BELOW PWR

26'-1"	NEUT (BS)	
25'-7"	AGUY	6"
22'-5"	CATV (BS) & DGUY	38"
20'-10"	DUKENET (BS)	19"

POWER TOO HIGH TO MEASURE (>35')

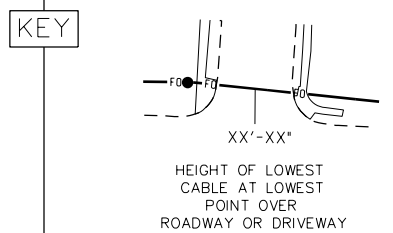
XX'-XX"	NEUT	
NCDOT PROP 34'-6"		
33'-6"	CATV	XX"
32'-6"	CLINK & DGUY	12"
28'-11"	DUKENET	43"

26'-5"	NEUT 1	
25'-9"	NEUT 2	8"
NCDOT PROP 22'-5"	CATV	40"
21'-5"	DUKENET	12"

- DUKENET LOWER TO 64' BELOW NEUT 2 (20'-5')
- CATV LOWER TO 52' BELOW NEUT 2 (21'-5')

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



AT&T	AT&T
CATV	Cable Television (Spectrum)
CCTV	Closed-Circuit Television
CLINK	Century Link
COUNTY	Wake County
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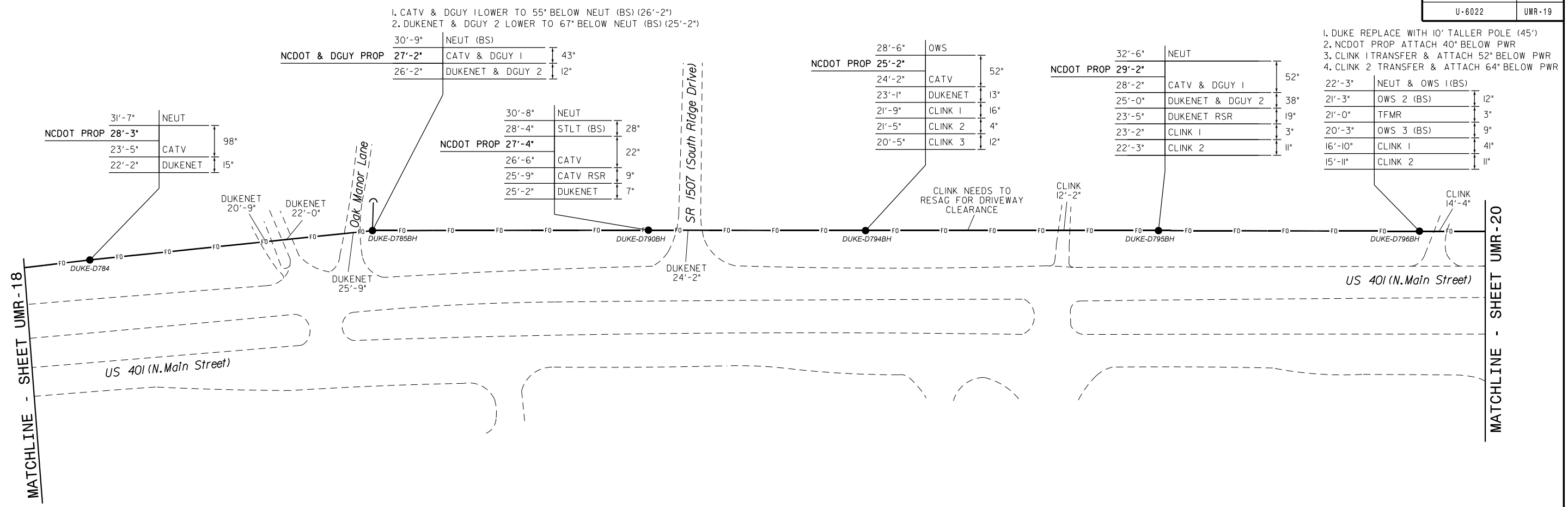
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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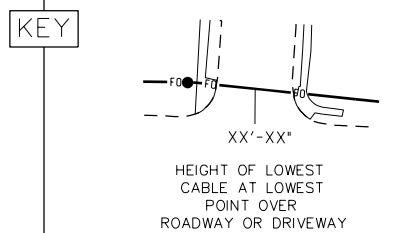
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans										
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	<table border="1"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		REVISIONS	INIT.	DATE					
REVISIONS	INIT.	DATE									
750 Greenfield Parkway, Garner, NC 27529 SCALE 0 50 1"=50'	CADD Filename: UMR-018.dgn										



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
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- TOWN Town of Fuquay-Varina
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	REVISIONS INIT. DATE
SCALE 0 50 1"=50'	CADD Filename: UMR-019.dgn	

- CLINK REPLACE WITH 5' TALLER POLE (40')
- NCDOT PROP ATTACH 40" BELOW PWR
- CLINK 1 TRANSFER & ATTACH 52" BELOW PWR
- CLINK 2 TRANSFER & ATTACH 64" BELOW PWR

23'-6"	NEUT/SEC	
22'-6"	PWRRSR	12"
22'-0"	TFMR	6"
20'-0"	CLINK 1	24"
19'-1"	CLINK 2	11"

- CLINK 2 LOWER TO 65" BELOW NEUT (BS) (18'-4")
- CLINK 1 LOWER TO 53" BELOW NEUT (BS) (19'-4")

23'-9"	NEUT (BS)	
NCDOT PROP 20'-4"	CLINK 1	41"
19'-4"	CLINK 2	12"

- CLINK 3 & DGUY 2 LOWER TO 82" BELOW NEUT (18'-4")
- CLINK 2 & DGUY 1 LOWER TO 64" BELOW NEUT (19'-10")
- CLINK 1 LOWER TO 58" BELOW NEUT (20'-4")

25'-2"	NEUT	
NCDOT PROP 21'-4"	CLINK 1	46"
21'-1"	CLINK 2 & DGUY 1	3"
20'-4"	CLINK 3	9"
20'-2"	DGUY 2	2"

30'-4"	NEUT	
NCDOT PROP 26'-4"	CLINK 1 & DGUY	60"
25'-4"	CLINK 2	14"

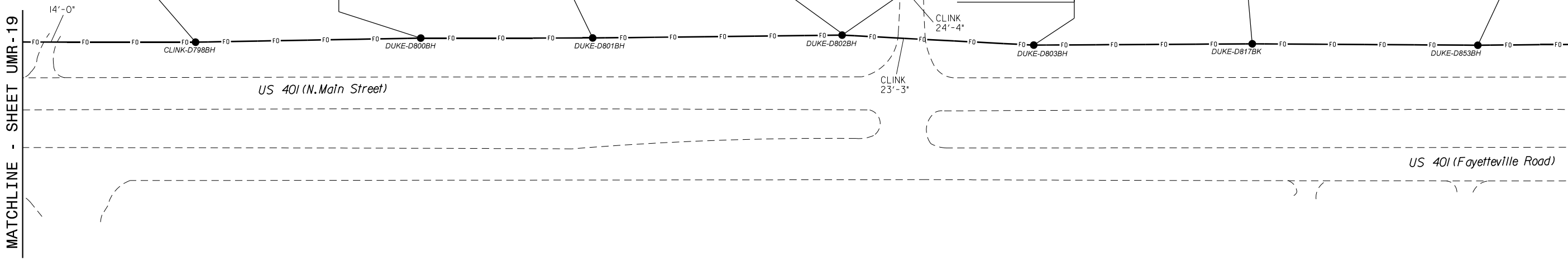
- CLINK LOWER TO 52" BELOW PWRRSR (23'-1")

27'-11"	NEUT (BS)	
27'-5"	PWRRSR	6"
24'-6"	CLINK	35"

35'-6"	OWS 3	
NCDOT PROP 32'-0"	CLINK 1	54"
31'-0"	CLINK 2	26"

MATCHLINE - SHEET UMR-19

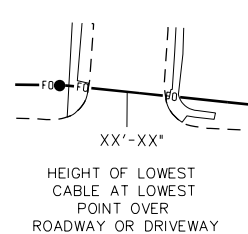
MATCHLINE - SHEET UMR-21



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



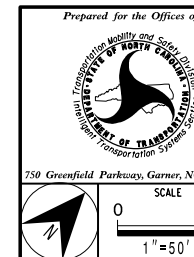
AT&T	AT&T
CATV	Cable Television (Spectrum)
CCTV	Closed-Circuit Television
CLINK	Century Link
COUNTY	Wake County
DUKE	Duke Energy
NCDOT	North Carolina Department of Transportation
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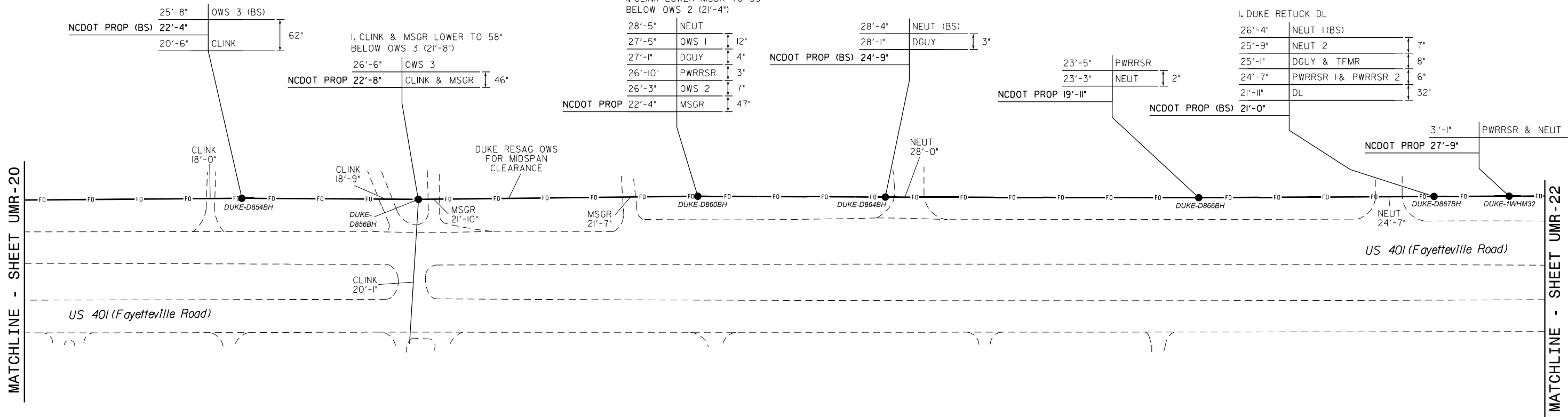
ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326



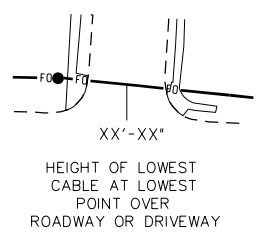
**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE:	April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY:	JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT.	DATE



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
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| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
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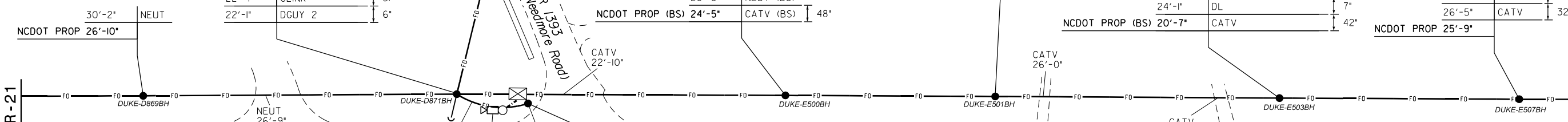
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 PLAN DATE: April 2022 PREPARED BY: JT Stiff	Wake County REVIEWED BY: AM Encarnacion REVIEWED BY: MB Toth
750 Greenfield Parkway, Garner, NC 27529 	SCALE 0 50 1"=50'	CADD File name: UMR-021.dgn

01-AUG-2022 12:04
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 STIF4685 AT LUS491089

1. DUKE RETUCK DL
 2. CLINK RAISE TO 94" BELOW NEUT & SEC (23'-7")
 TO MAINTAIN PROPER CLEARANCE OVER HILLTOP
 NEEDMORE ROAD (SEE SHEET 62)

31'-5"	NEUT & SEC	
31'-4"	TFMR	1"
29'-3"	DL	25"
27'-8"		29"
26'-10"	CATV & DGUY 1	
22'-7"	CLINK	51"
22'-1"	DGUY 2	6"



30'-4"	NEUT (BS)	
30'-4"	CATV (BS)	44"

27'-6"	NEUT 1(BS)	3"
27'-3"	NEUT 2	8"
26'-7"	DGUY	6"
26'-1"	PWRRSR 1 & PWRRSR 2	7"
25'-10"	TFMR	3"
24'-8"	PWRRSR 3	14"
24'-1"	DL	7"
24'-1"	CATV	42"

30'-4"	NEUT	
29'-9"	PWRRSR	7"
29'-1"	DL	8"
26'-5"	CATV	32"

28'-5"	NEUT (BS)	
28'-5"	CATV (BS)	48"

31'-3"	SVRSR	
31'-0"	SEC	3"
28'-5"	SIG	31"
28'-2"	SIG 2 & DGUY	3"
27'-6"	SIG 3 & DGUY	8"
27'-0"	SIGRSR	6"
26'-7"	SIGRSR 2 & DGUY	5"

MATCHLINE - SHEET UMR-21

MATCHLINE - SHEET UMR-23

05-0925

US 401 (Fayetteville Road)

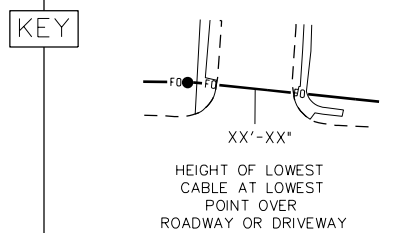
US 401 (Fayetteville Road)

SR 2751 (Hilltop Road)

SR 2752 (Air Park Road)

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



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- CATV Cable Television (Spectrum)
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 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 PREPARED BY: JT Stiff	REVIEWED BY: AM Encarnacion REVIEWED BY: MB Toth
REVISIONS 0 1"=50' 	DATE DATE	CADD Filename: UMR-022.dgn

NCDOT & DGUY PROP	30'-9"	NEUT 1 (BS)	46'
	30'-1"	NEUT 2 & DGUY	
	29'-3"	TFMR	
	26'-9"		
	25'-5"	CATV	

NCDOT & DGUY PROP	27'-3"	NEUT (BS)	6'
	26'-9"	DGUY	
	23'-5"		

NCDOT PROP	29'-6"	NEUT	11'
	28'-7"	PWRRSR I & PWRRSR	
	28'-0"	TFMR	
	27'-8"	DL	
	24'-4"		

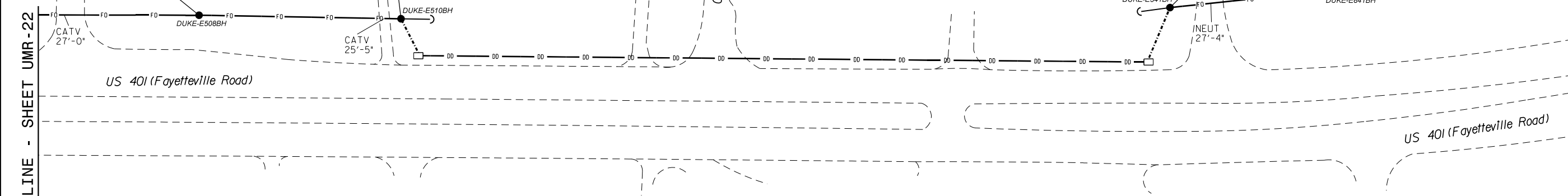
1. CATV LOWER TO 56" BELOW NEUT 2 (23'-10")

NCDOT PROP (BS)	29'-0"	NEUT 1 (BS)	36'
	28'-6"	NEUT 2	
	28'-2"	PWR DGUY	
	25'-2"	CATV (BS)	

NCDOT PROP (BS) 24'-10"

MATCHLINE - SHEET UMR-22

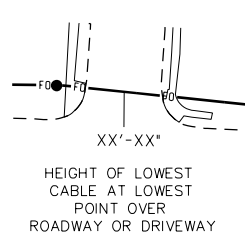
MATCHLINE - SHEET UMR-24



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



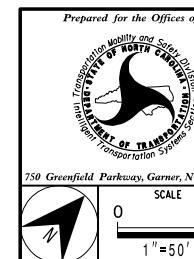
- | | |
|--------|---|
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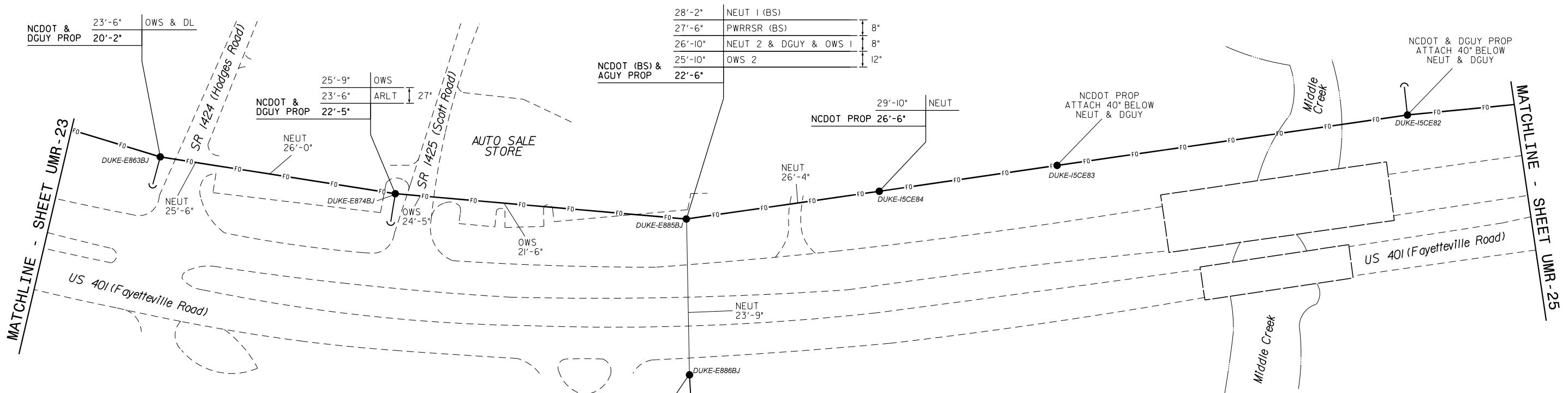
ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEE #F-0326



Fuquay-Varina Signal System
Utility Make Ready Plans

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE



NO UMR WORK THIS SHEET

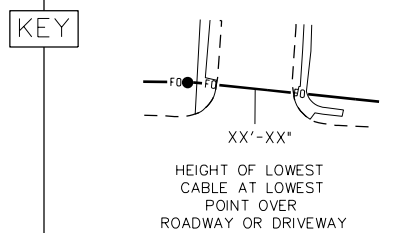
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

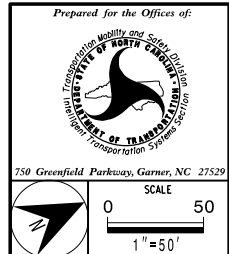
ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



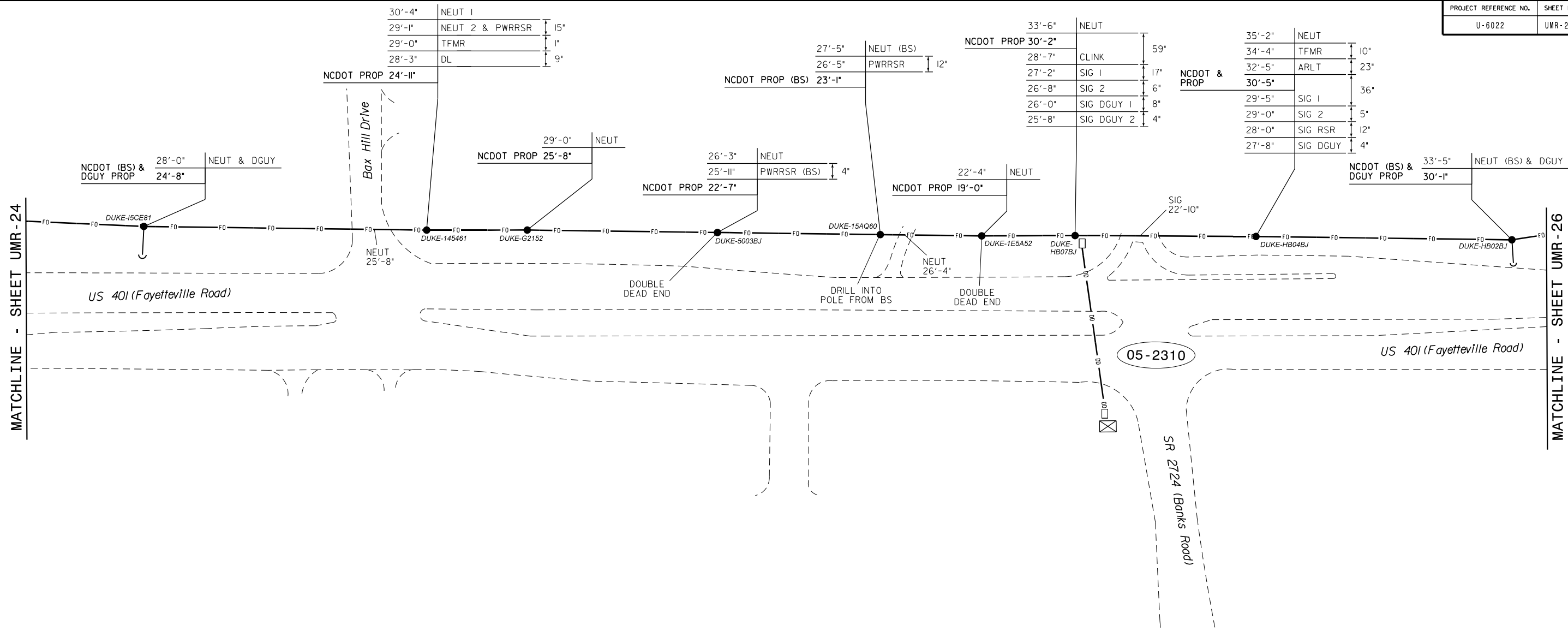
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

01-AUG-2022 12:04 P:\77\SD\0505343_wor\atkins.com\ATK\N\01\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-024.dgn STIF-4685 At LUS91085



MATCHLINE - SHEET UMR-24

MATCHLINE - SHEET UMR-26

NO UMR WORK THIS SHEET

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

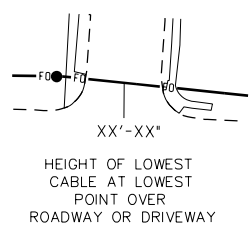
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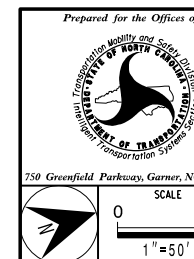
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



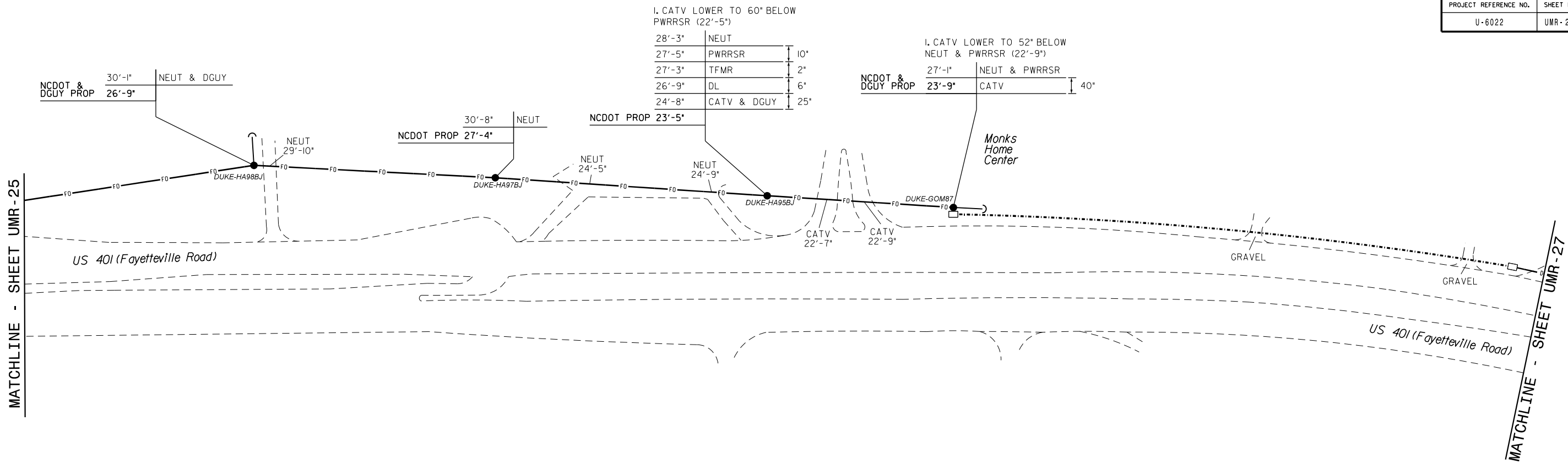
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE



28'-3"	NEUT	
27'-5"	PWRRSR	10"
27'-3"	TFMR	2"
26'-9"	DL	6"
24'-8"	CATV & DGUY	25"

27'-1"	NEUT & PWRRSR	
23'-9"	CATV	40"

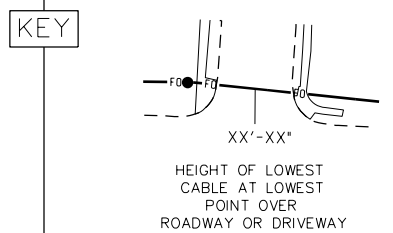
MATCHLINE - SHEET UMR-25

MATCHLINE - SHEET UMR-27

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
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| CATV | Cable Television (Spectrum) |
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| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

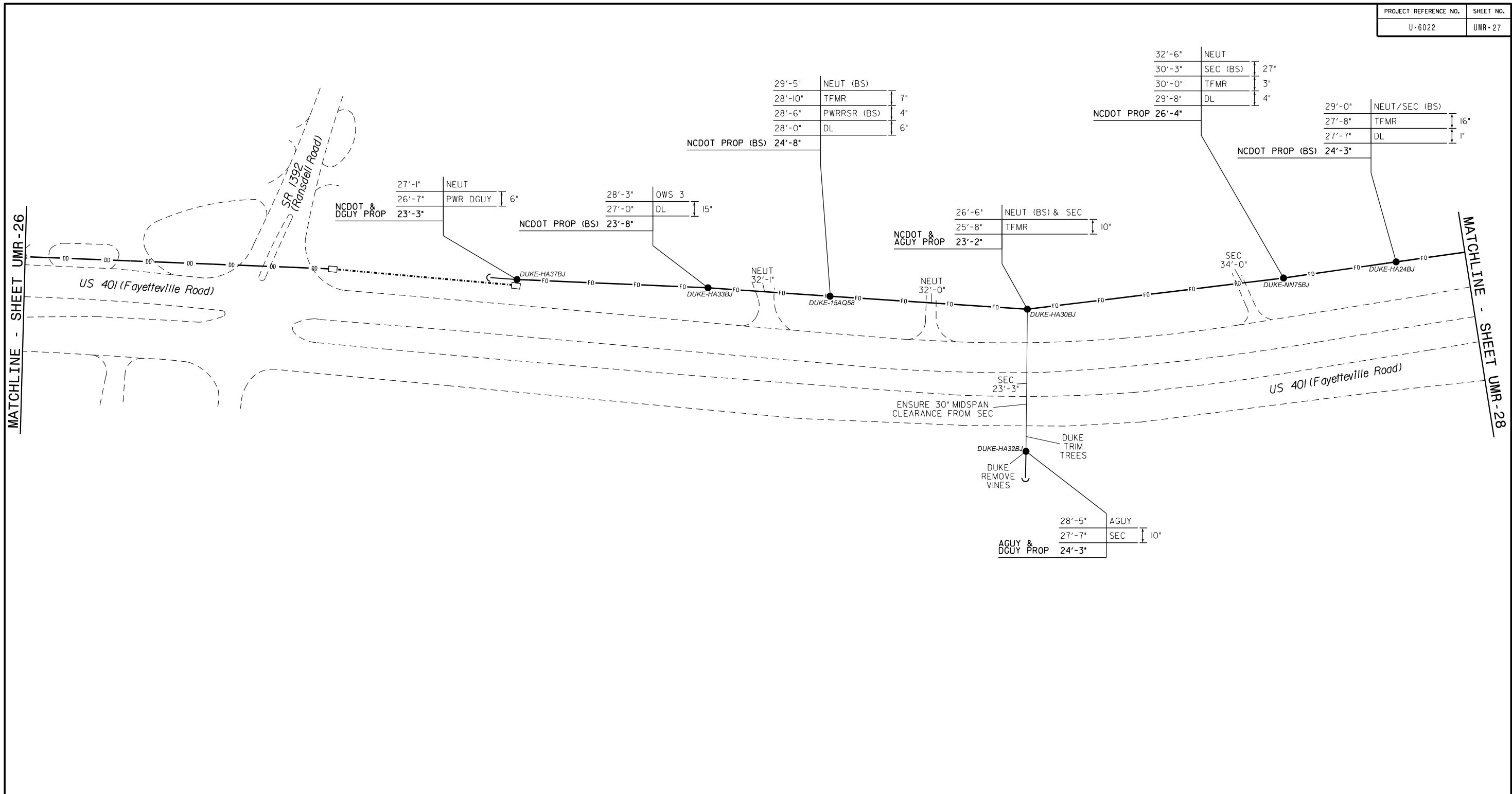
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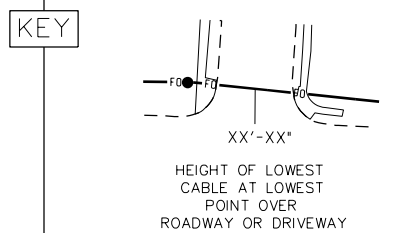
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans		
	Division 5 Wake County Fuquay-Varina	PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion	
	PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS	INIT. DATE
750 Greenfield Parkway, Garner, NC 27529	SCALE 0 50 1"=50'	CADD Filename: UMR-026.dgn	



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

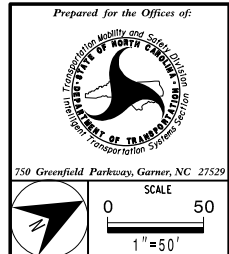
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ATKINS

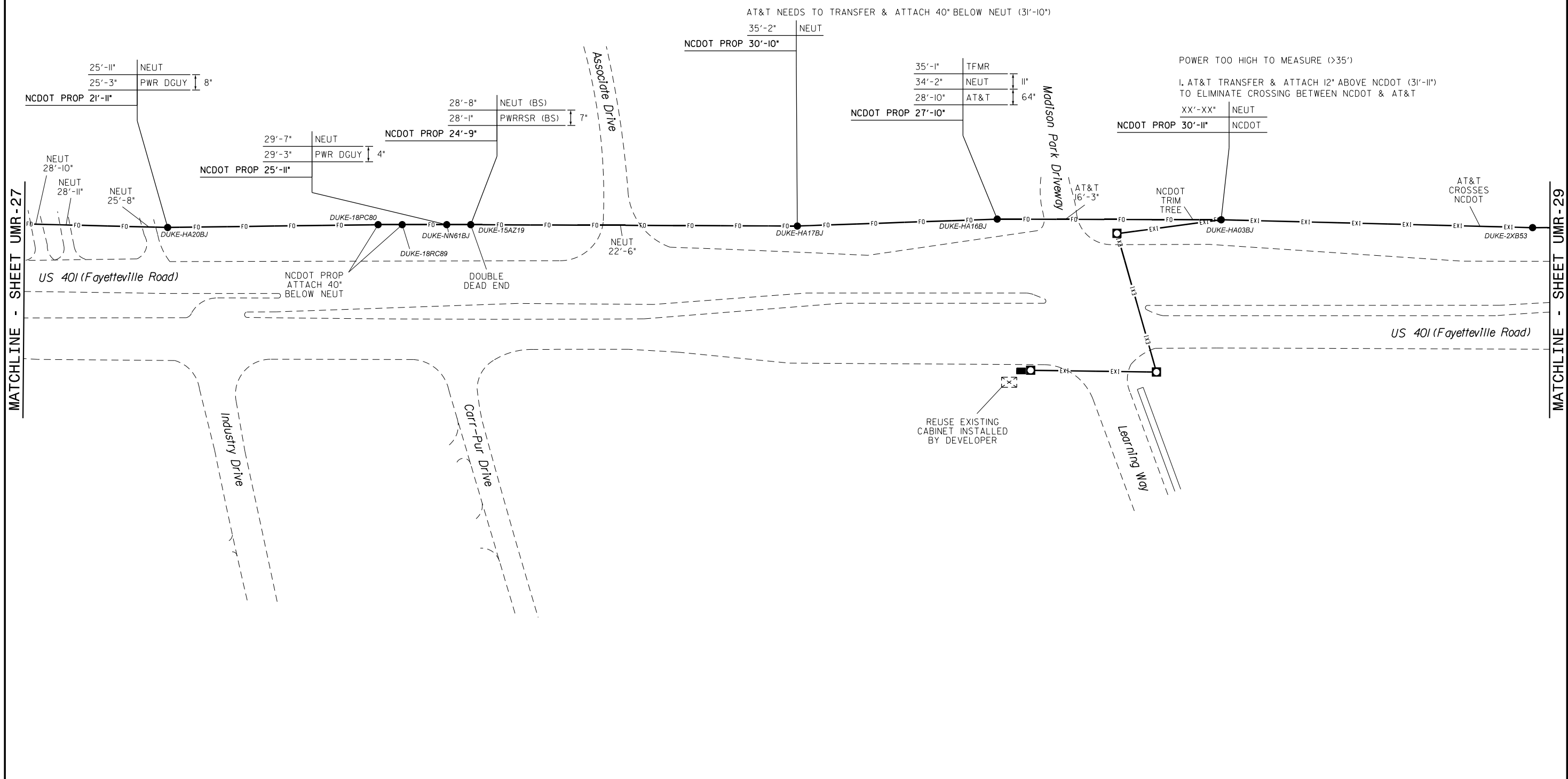
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

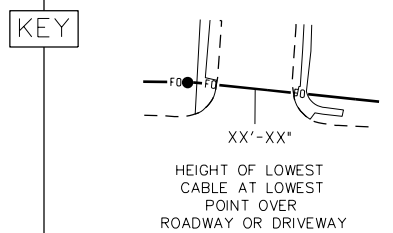
Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T Cable Television (Spectrum)
- CATV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

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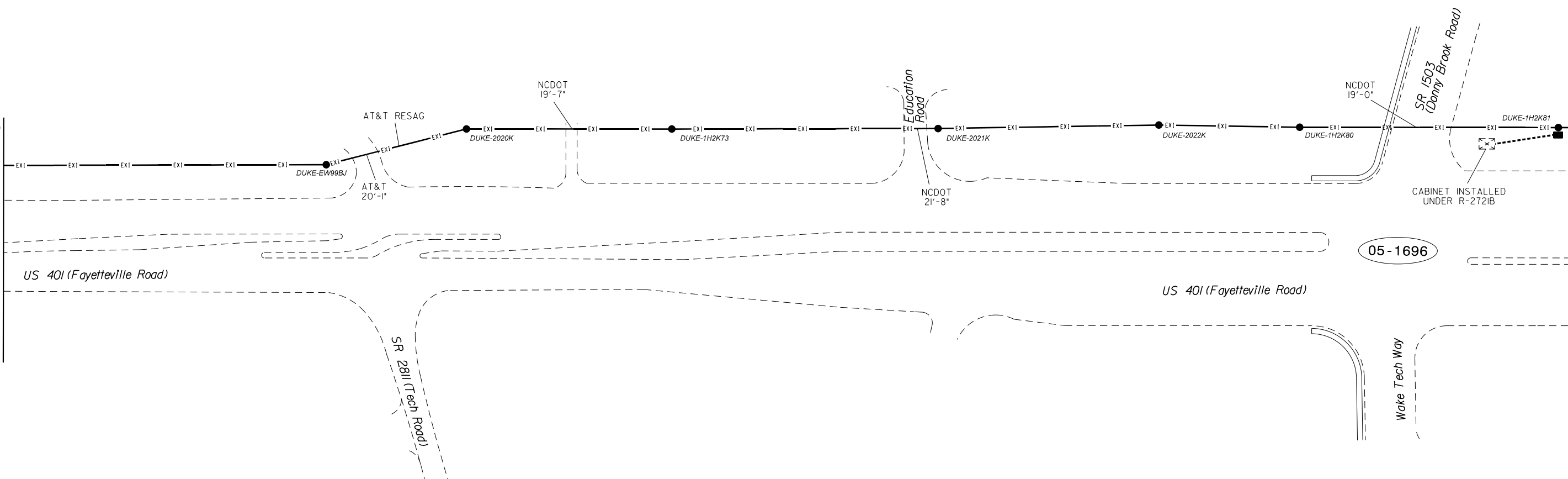
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County
750 Greenfield Parkway, Garner, NC 27529	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
SCALE 0 50 1"=50'	REVISIONS	INIT. DATE

01-AUG-2022 12:05 P:\77\350503\343_wor\atkins.com\ATK\N\001\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-028.dgn ST1P-665 At LUS911085

MATCHLINE - SHEET UMR-28

MATCHLINE - SHEET UMR-30



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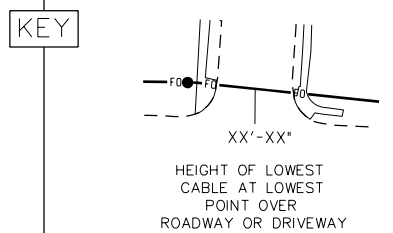
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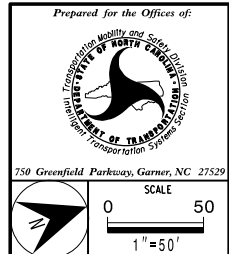
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



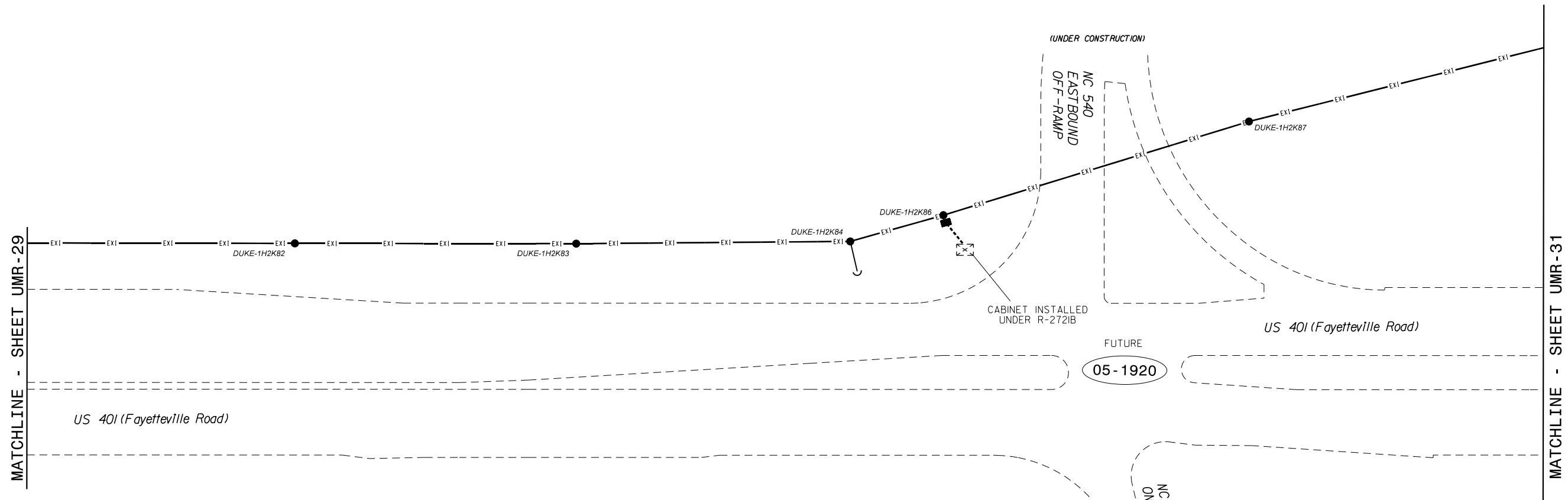
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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NO UMR WORK THIS SHEET

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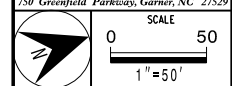
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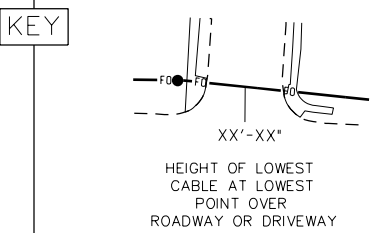
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff		REVIEWED BY: MB Toth
REVISIONS	INIT.	DATE

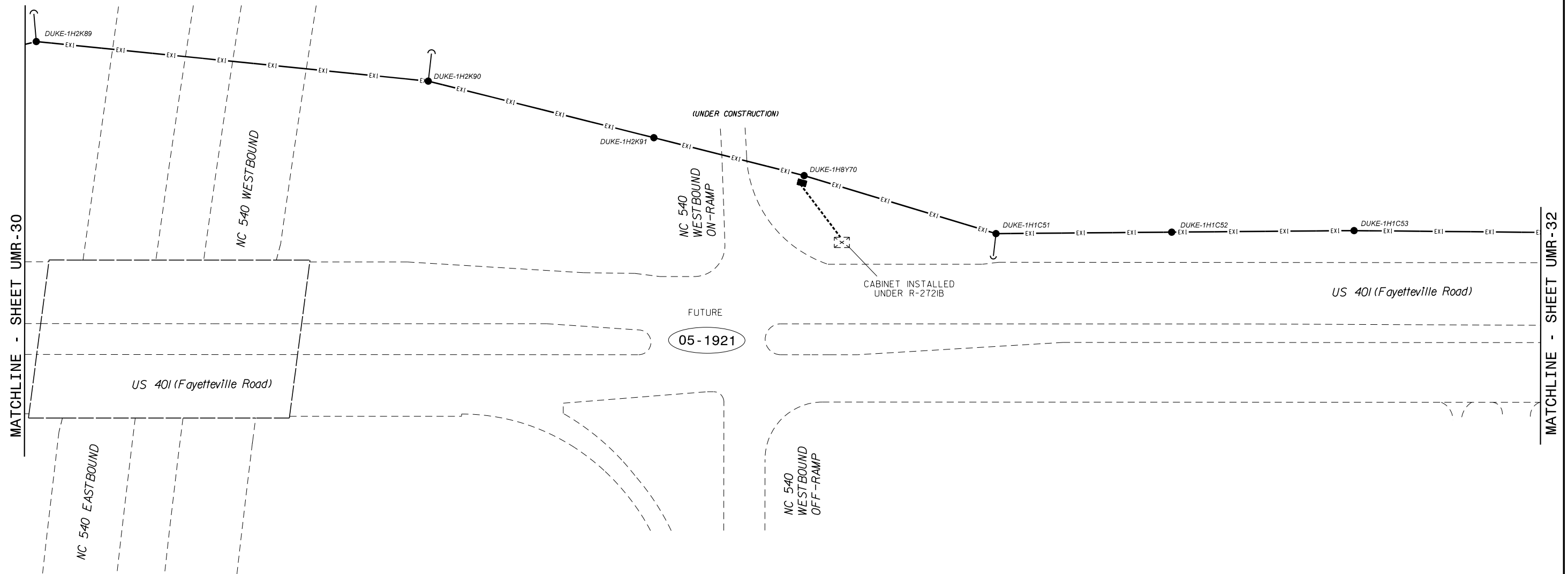


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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |



NO UMR WORK THIS SHEET

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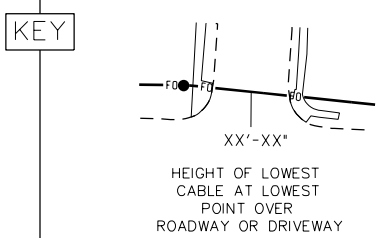
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



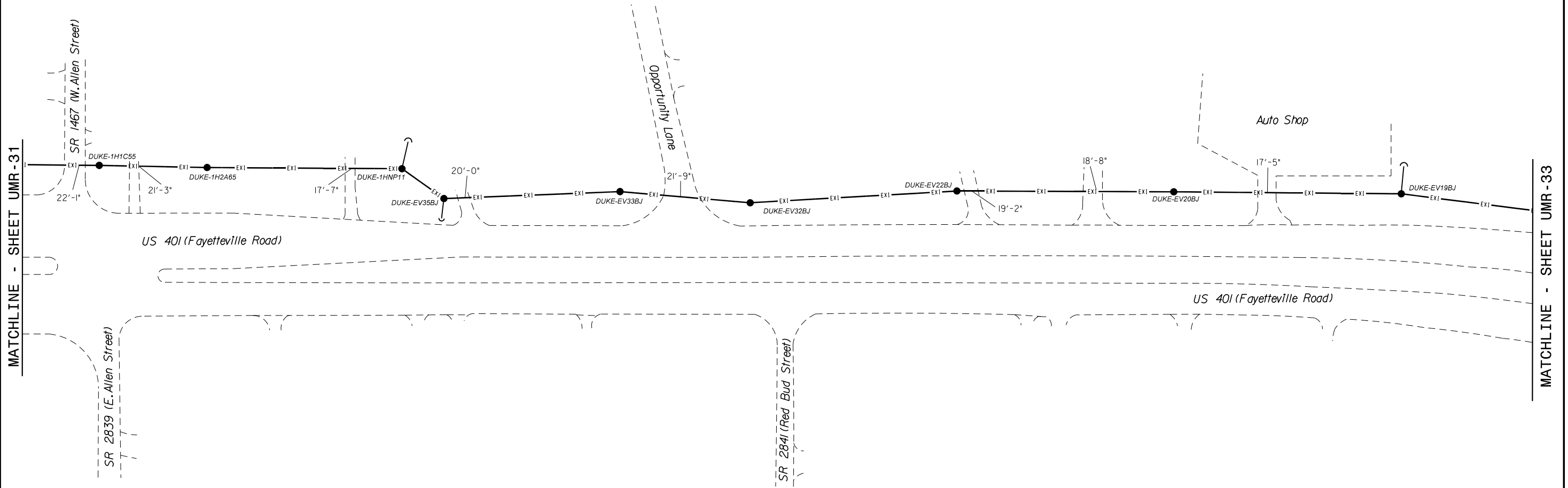
- | | |
|--------|---|
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| TOWN | Town of Fuquay-Varina |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS		
	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529 SCALE 0 50 1"=50'

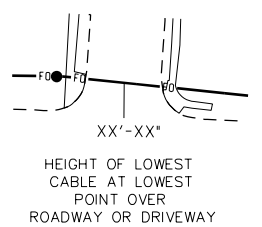
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- | | |
|--------|---|
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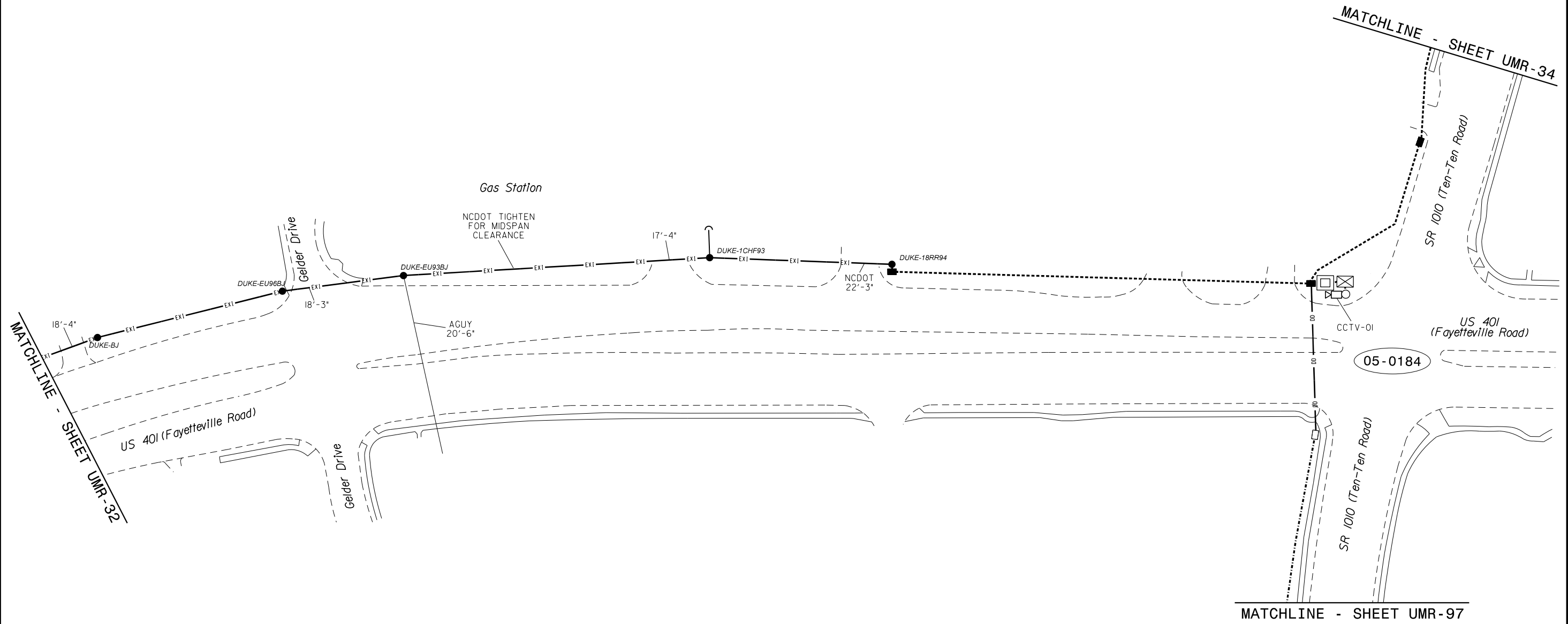
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

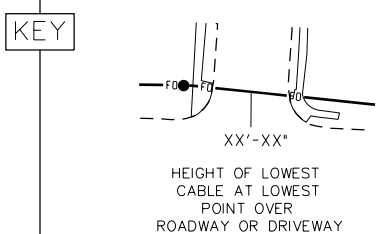
	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County
	PLAN DATE: April 2022 PREPARED BY: JT Stiff	Fuquay-Varina REVIEWED BY: AM Encarnacion MB Toth
REVISIONS		INIT. DATE
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 STIF-4685 At LUS91085



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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
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XX'-XX"	XXXXXX	XX"



- AT&T AT&T
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- UNK Unknown Utility Owner
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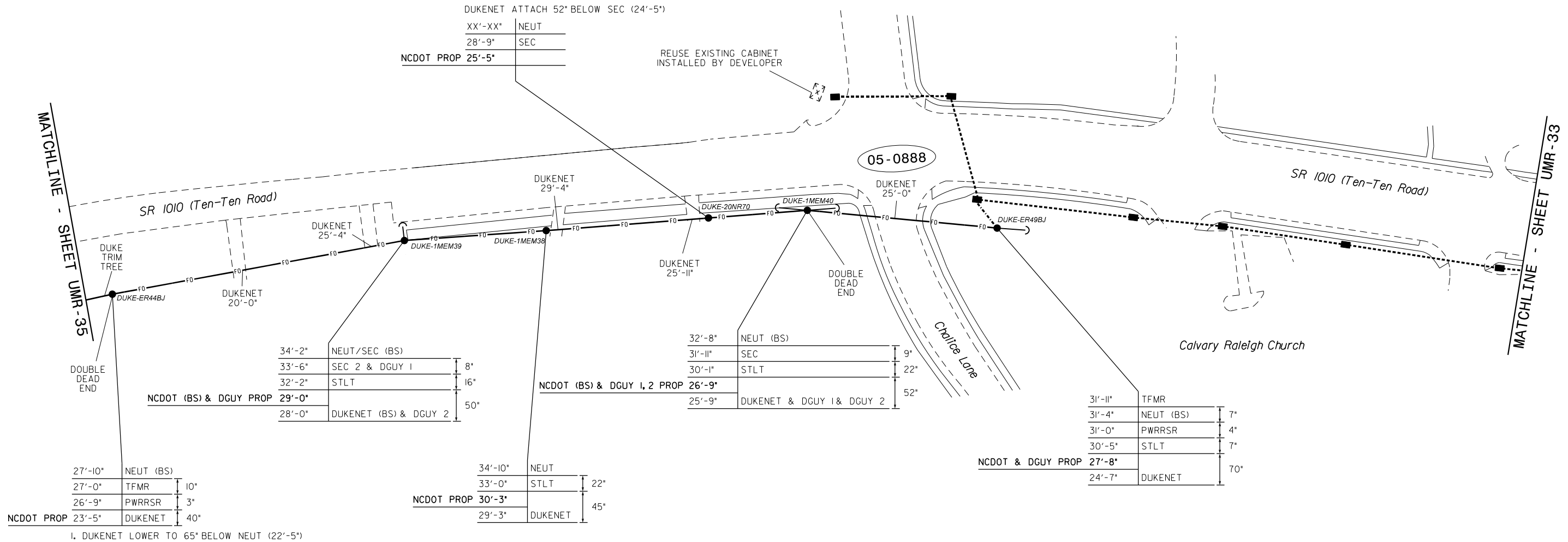
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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS INIT. DATE
	750 Greenfield Parkway, Garner, NC 27529 SCALE 0 50 1"=50'	



1. DUKENET LOWER TO 65' BELOW NEUT (22'-5')

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY

XX'-XX"

HEIGHT OF LOWEST CABLE AT LOWEST POINT OVER ROADWAY OR DRIVEWAY

- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

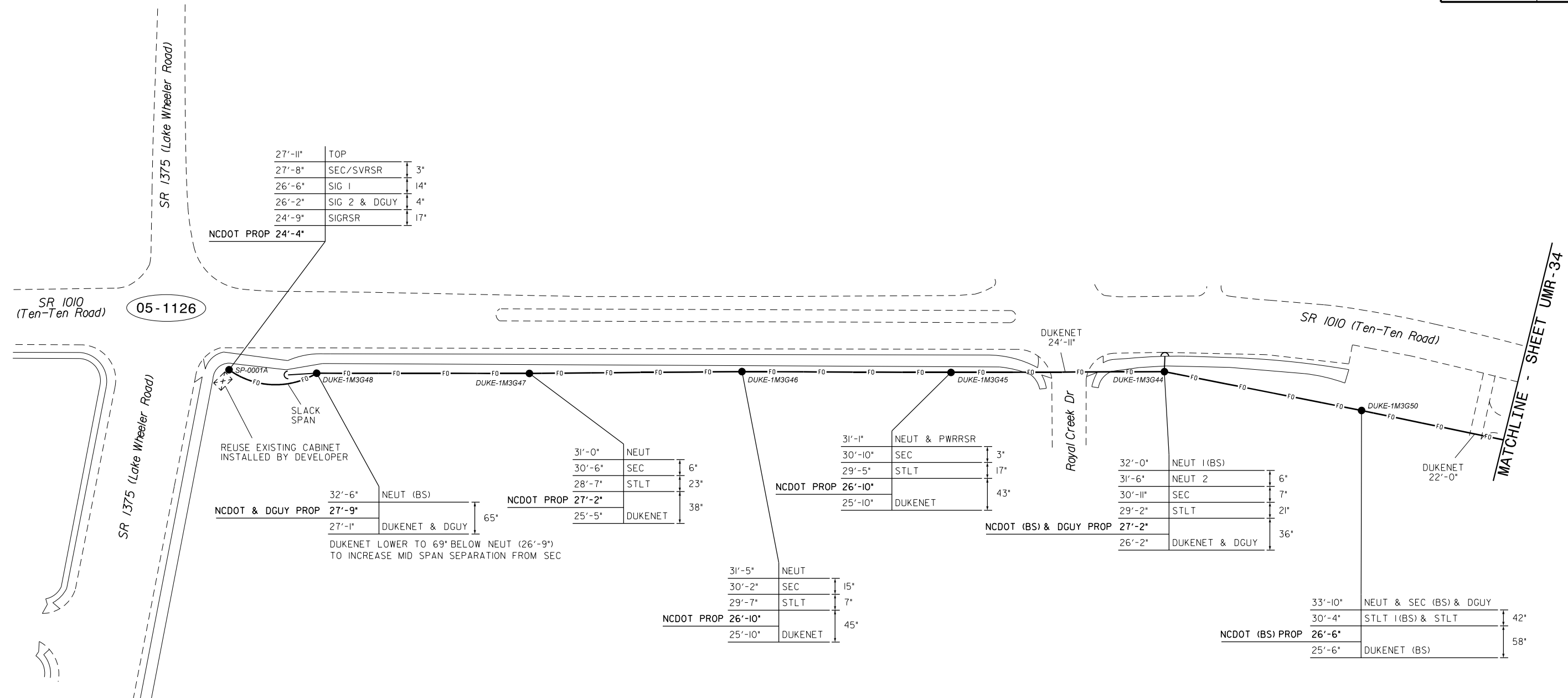
REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

CADD Filename: UMR-034.dgn

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27'-11"	TOP	
27'-8"	SEC/SVRSR	3"
26'-6"	SIG 1	14"
26'-2"	SIG 2 & DGUY	4"
24'-9"	SIGRSR	17"
NCDOT PROP 24'-4"		

32'-6"	NEUT (BS)	
NCDOT & DGUY PROP 27'-9"		
27'-1"	DUKENET & DGUY	65"
DUKENET LOWER TO 69" BELOW NEUT (26'-9") TO INCREASE MID SPAN SEPARATION FROM SEC		

31'-0"	NEUT	
30'-6"	SEC	6"
28'-7"	STLT	23"
NCDOT PROP 27'-2"		
25'-5"	DUKENET	38"

31'-1"	NEUT & PWRRSR	
30'-10"	SEC	3"
29'-5"	STLT	17"
NCDOT PROP 26'-10"		
25'-10"	DUKENET	43"

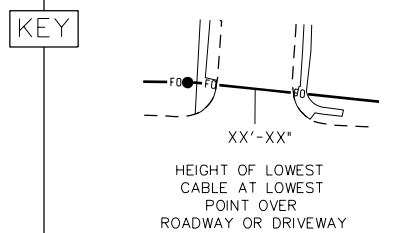
31'-5"	NEUT	
30'-2"	SEC	15"
29'-7"	STLT	7"
NCDOT PROP 26'-10"		
25'-10"	DUKENET	45"

32'-0"	NEUT 1 (BS)	
31'-6"	NEUT 2	6"
30'-11"	SEC	7"
29'-2"	STLT	21"
NCDOT (BS) & DGUY PROP 27'-2"		
26'-2"	DUKENET & DGUY	36"

33'-10"	NEUT & SEC (BS) & DGUY	
30'-4"	STLT 1 (BS) & STLT	42"
NCDOT (BS) PROP 26'-6"		
25'-6"	DUKENET (BS)	58"

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
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NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NEC).

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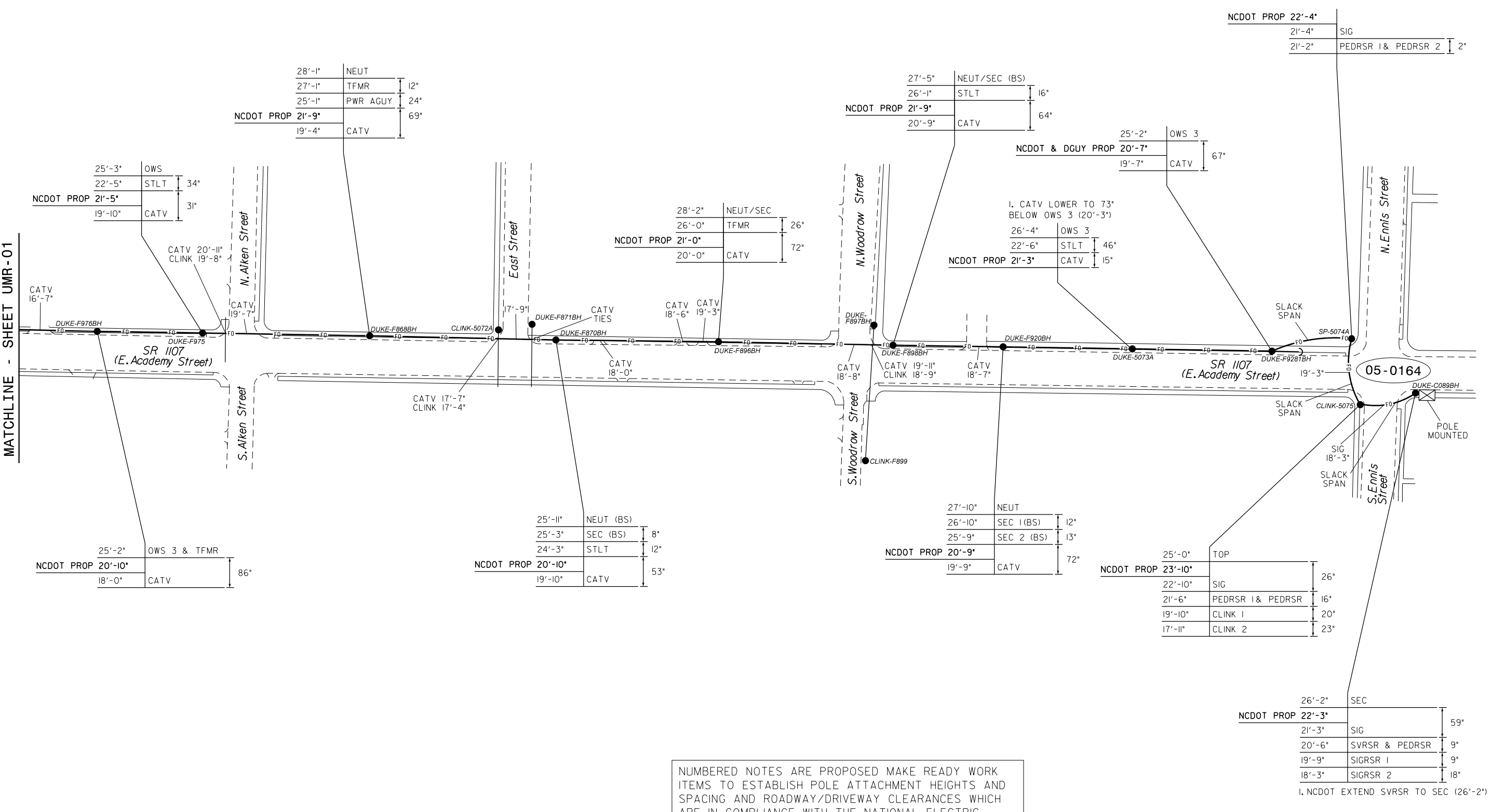
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans													
	Division 5	Wake County Fuquay-Varina												
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion												
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth												
<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> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISIONS	INIT.	DATE										<p>CADD Filename: UMR-035.dgn</p>
REVISIONS	INIT.	DATE												

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MATCHLINE - SHEET UMR-01



25'-2"	OWS 3 & TFMR	86"
20'-10"	CATV	
18'-0"		

28'-1"	NEUT	69"
27'-1"	TFMR	
25'-1"	PWR AGUY	
21'-9"	CATV	

28'-2"	NEUT/SEC	72"
26'-0"	TFMR	
21'-0"	CATV	

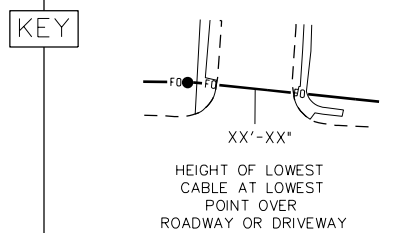
27'-10"	NEUT	72"
26'-10"	SEC 1 (BS)	
25'-9"	SEC 2 (BS)	
20'-9"	CATV	

25'-0"	TOP	26"
22'-10"	SIG	
21'-6"	PEDRSR 1 & PEDRSR	
19'-10"	CLINK 1	
17'-11"	CLINK 2	

26'-2"	SEC	59"
22'-3"	SIG	
20'-6"	SVRSR & PEDRSR	
19'-9"	SIGRSR 1	
18'-3"	SIGRSR 2	
I. NCDOT EXTEND SVRSR TO SEC (26'-2")		

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
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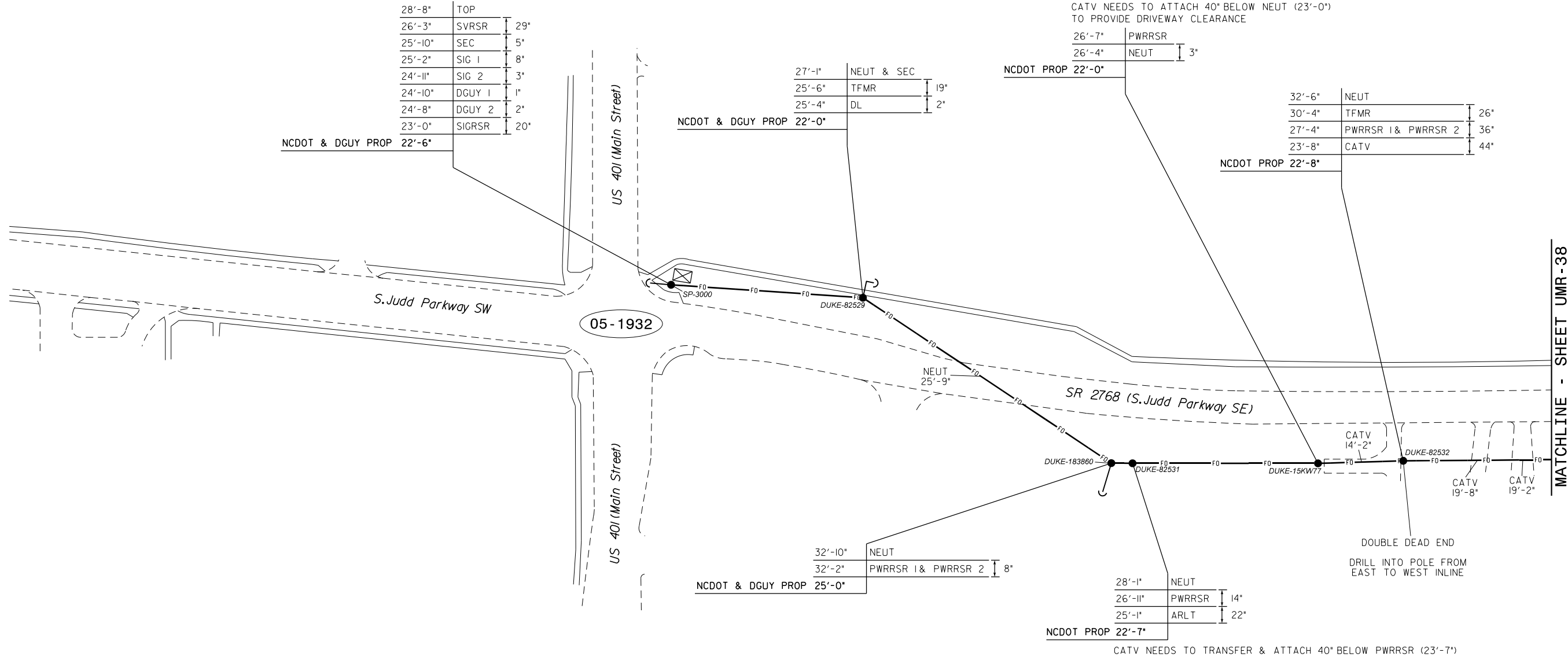
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS INIT. DATE
CADD Filename: UMR-036.dgn		

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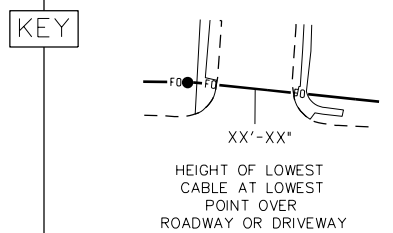
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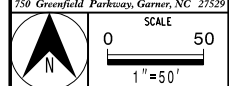
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



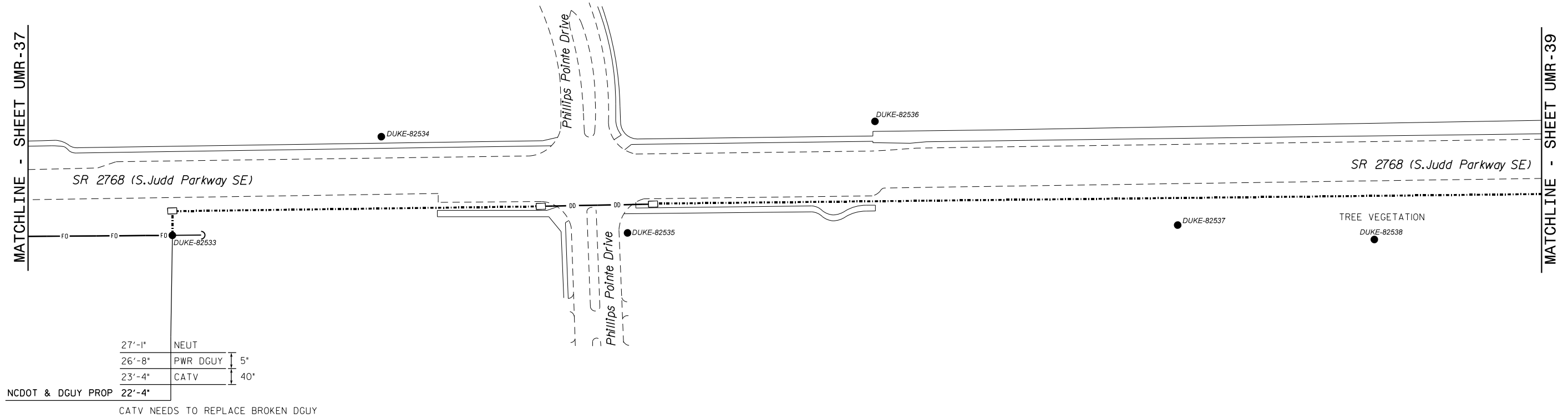
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

		Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5 Wake County Fuquay-Varina		1616 East Millbrook Road, Suite 160 Raleigh, NC 27609 (919) 876-6888	
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS		INIT.	DATE



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NO UMR WORK THIS SHEET

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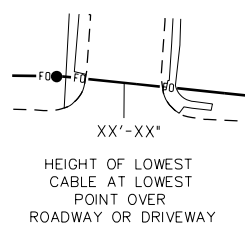
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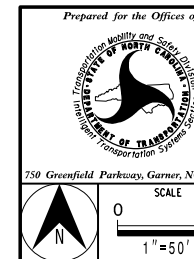
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



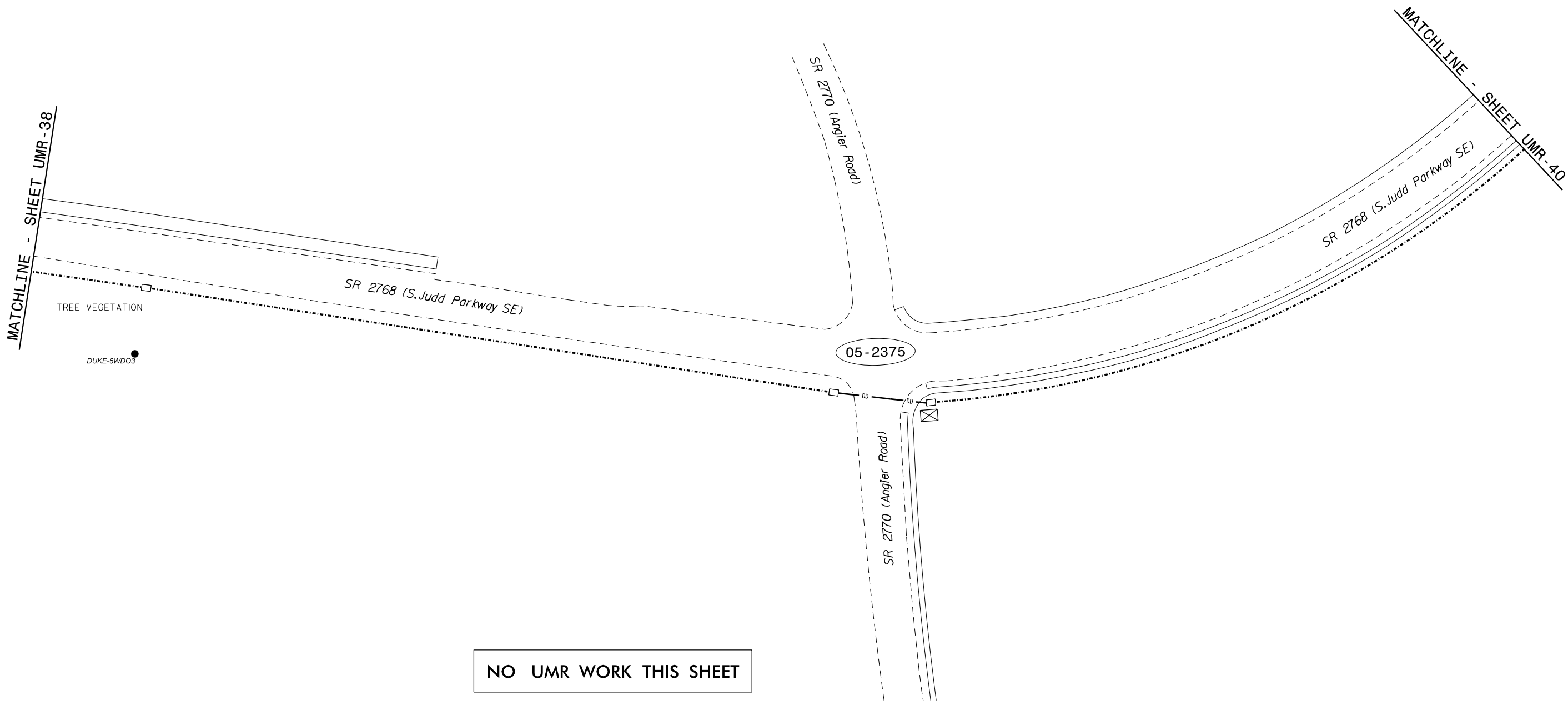
- AT&T AT&T
- CATV Cable Television (Spectrum)
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- VZN Verizon

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326



Fuquay-Varina Signal System
Utility Make Ready Plans

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
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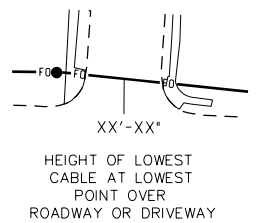
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
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| TOWN | Town of Fuquay-Varina |
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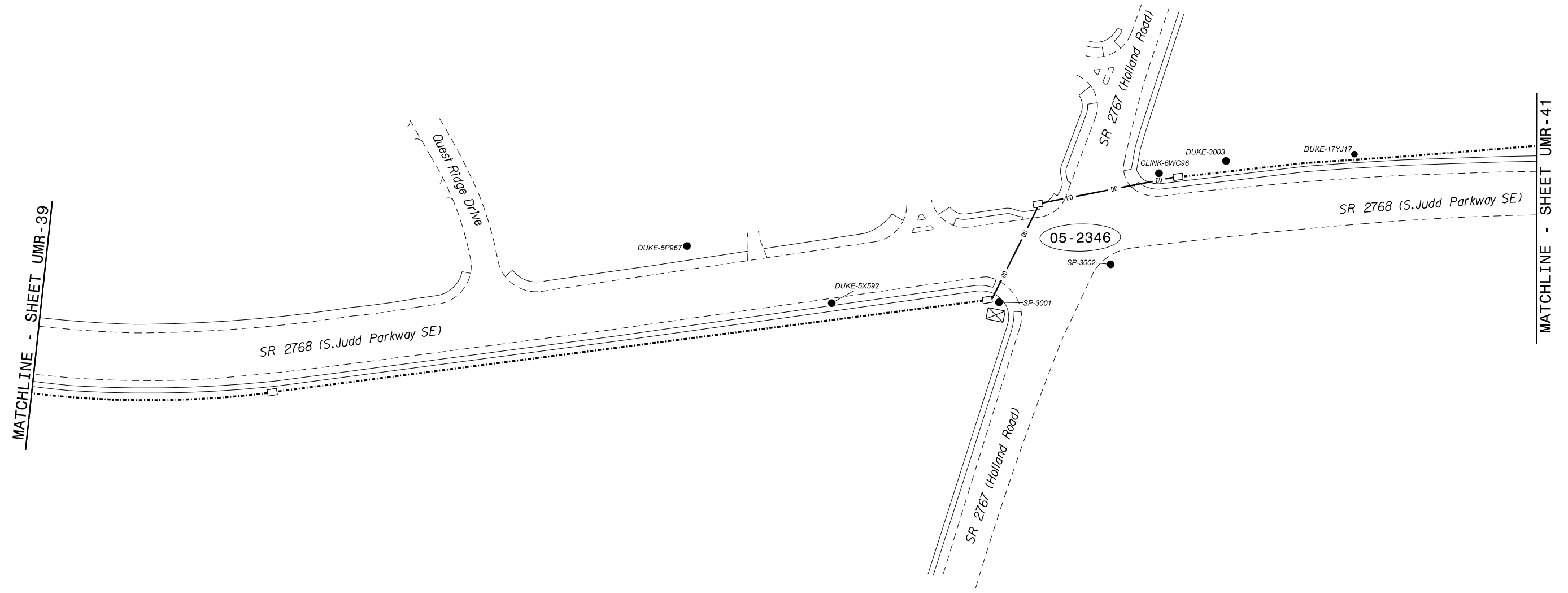
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

Prepared for the Offices of:

 750 Greenfield Parkway, Garner, NC 27529

Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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NO UMR WORK THIS SHEET

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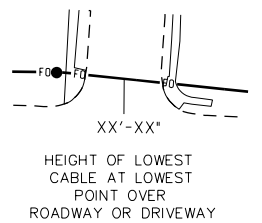
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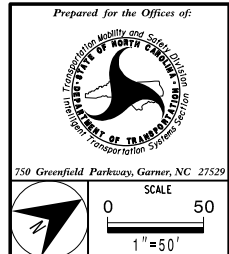
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- | | |
|--------|---|
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| CATV | Cable Television (Spectrum) |
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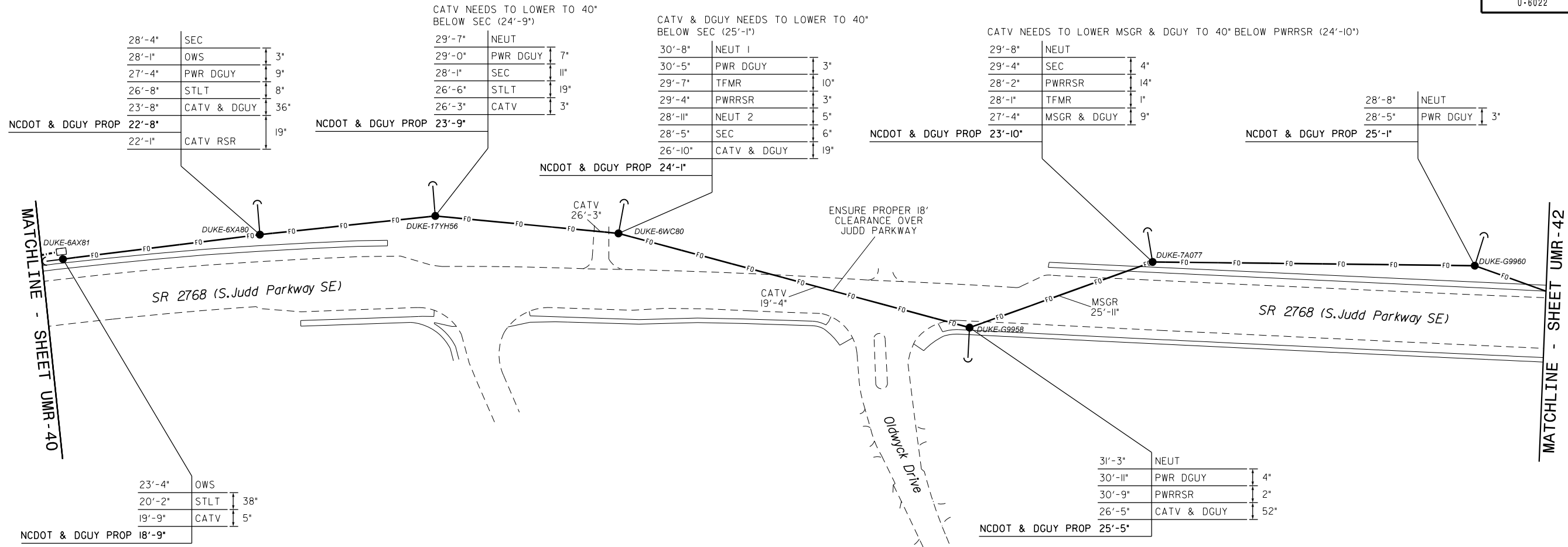
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

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28'-4"	SEC	
28'-1"	OWS	3"
27'-4"	PWR DGUY	9"
26'-8"	STLT	8"
23'-8"	CATV & DGUY	36"
22'-1"	CATV RSR	19"

29'-7"	NEUT	
29'-0"	PWR DGUY	7"
28'-1"	SEC	11"
26'-6"	STLT	19"
26'-3"	CATV	3"

30'-8"	NEUT 1	
30'-5"	PWR DGUY	3"
29'-7"	TFMR	10"
29'-4"	PWRRSR	3"
28'-11"	NEUT 2	5"
28'-5"	SEC	6"
26'-10"	CATV & DGUY	19"

29'-8"	NEUT	
29'-4"	SEC	4"
28'-2"	PWRRSR	14"
28'-1"	TFMR	1"
27'-4"	MSGR & DGUY	9"

28'-8"	NEUT	
28'-5"	PWR DGUY	3"

23'-4"	OWS	
20'-2"	STLT	38"
19'-9"	CATV	5"

31'-3"	NEUT	
30'-11"	PWR DGUY	4"
30'-9"	PWRRSR	2"
26'-5"	CATV & DGUY	52"

NO UMR WORK THIS SHEET

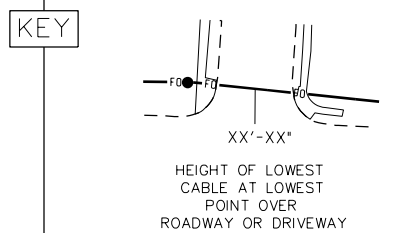
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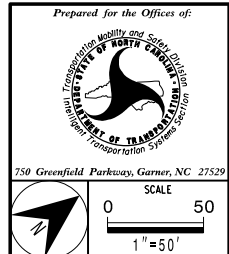
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



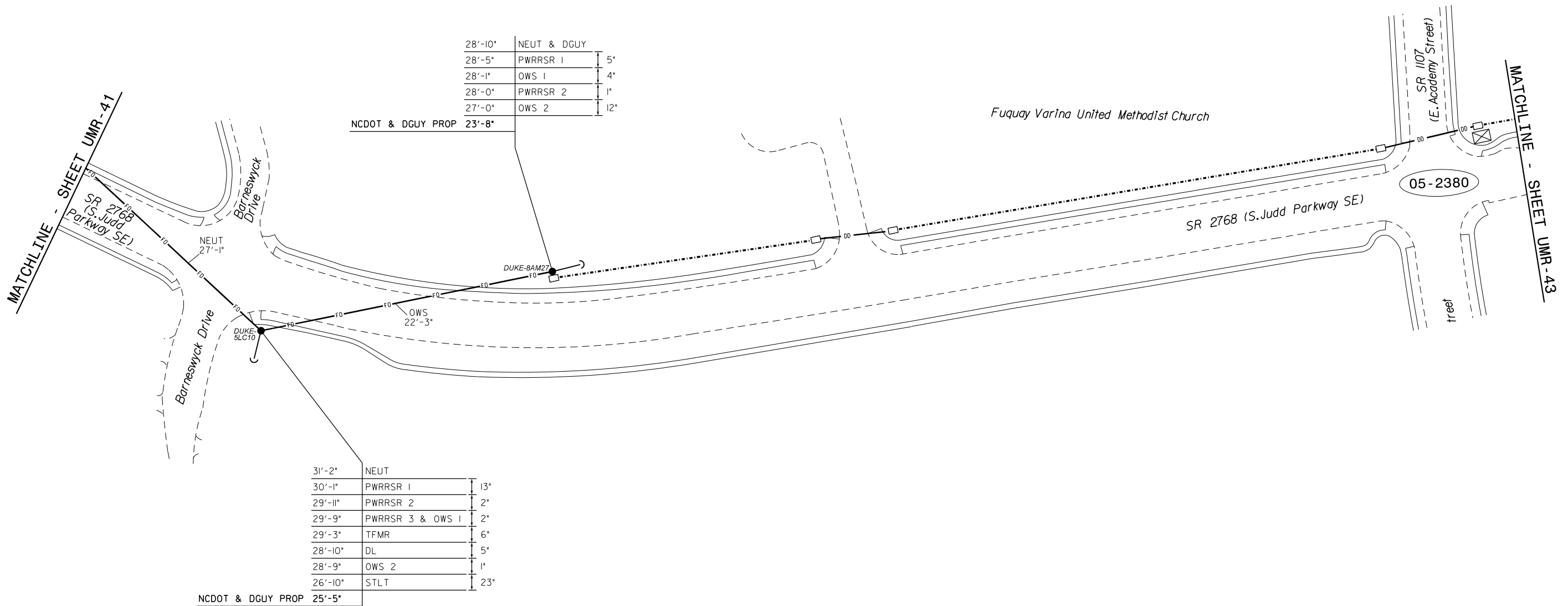
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- CATV Cable Television (Spectrum)
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Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
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REVISIONS	INIT. DATE

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28'-10"	NEUT & DGUY	
28'-5"	PWRRSR 1	5"
28'-1"	OWS 1	4"
28'-0"	PWRRSR 2	1"
27'-0"	OWS 2	12"
NCDOT & DGUY PROP 23'-8"		

31'-2"	NEUT	
30'-1"	PWRRSR 1	13"
29'-11"	PWRRSR 2	2"
29'-9"	PWRRSR 3 & OWS 1	2"
29'-3"	TFMR	6"
28'-10"	DL	5"
28'-9"	OWS 2	1"
26'-10"	STLT	23"
NCDOT & DGUY PROP 25'-5"		

NO UMR WORK THIS SHEET

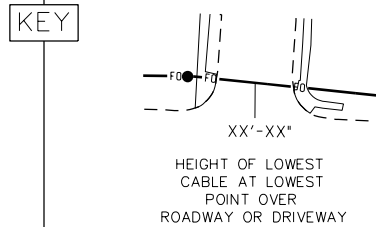
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

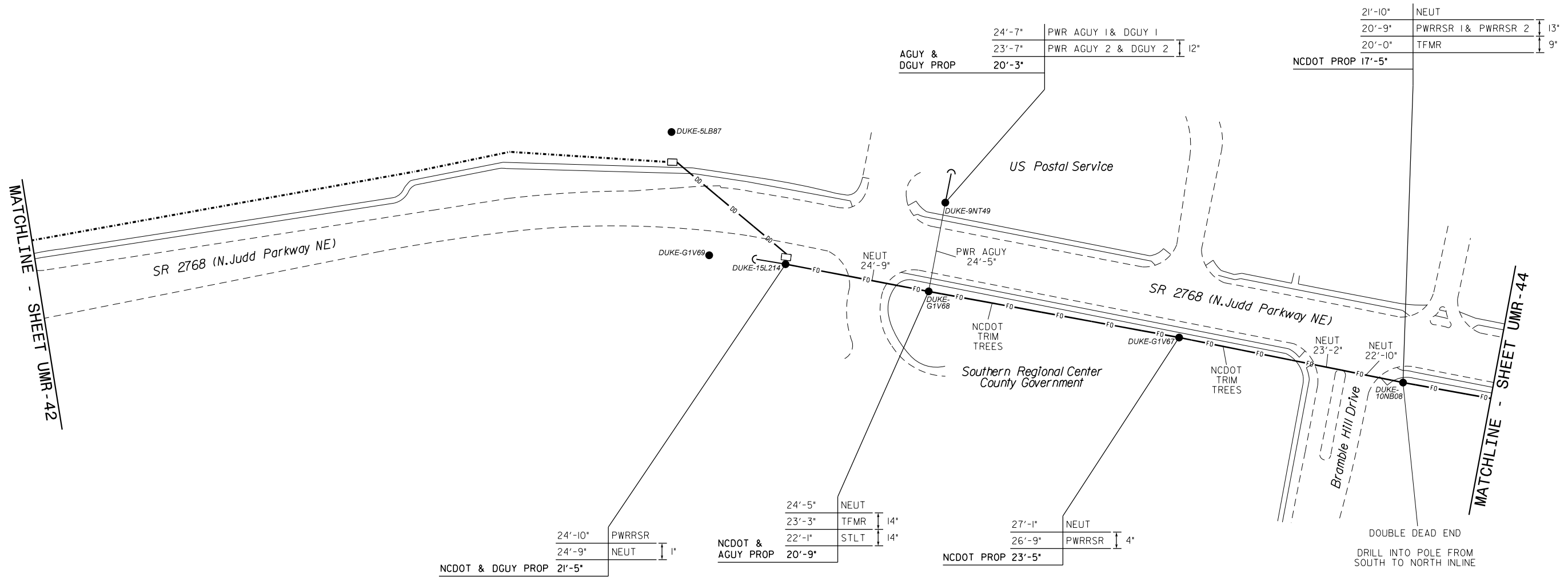
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEE #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County
750 Greenfield Parkway, Garner, NC 27529	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
	REVISIONS	INIT. DATE



21'-10"	NEUT	
20'-9"	PWRRSR 1 & PWRRSR 2	13"
20'-0"	TFMR	9"
NCDOT PROP 17'-5"		

24'-7"	PWR AGUY 1 & DGUY 1	
23'-7"	PWR AGUY 2 & DGUY 2	12"
AGUY & DGUY PROP 20'-3"		

24'-10"	PWRRSR	
24'-9"	NEUT	1"
NCDOT & DGUY PROP 21'-5"		

24'-5"	NEUT	
23'-3"	TFMR	14"
22'-1"	STLT	14"
NCDOT & AGUY PROP 20'-9"		

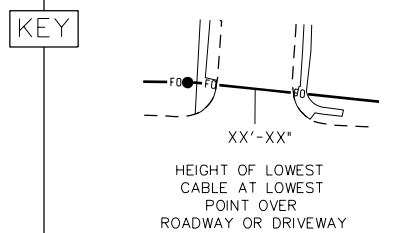
27'-1"	NEUT	
26'-9"	PWRRSR	4"
NCDOT PROP 23'-5"		

DOUBLE DEAD END
DRILL INTO POLE FROM SOUTH TO NORTH INLINE

01-AUG-2022 12:06 P:\77505035\313_west\atkins.com\ATKIN\001\Documents\Roads and Bridges\Projects\100063268 Fuquay Varina\Task 10_UMR\UMR-043.dgn STIF-4685 At_LUS911085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
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| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
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| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

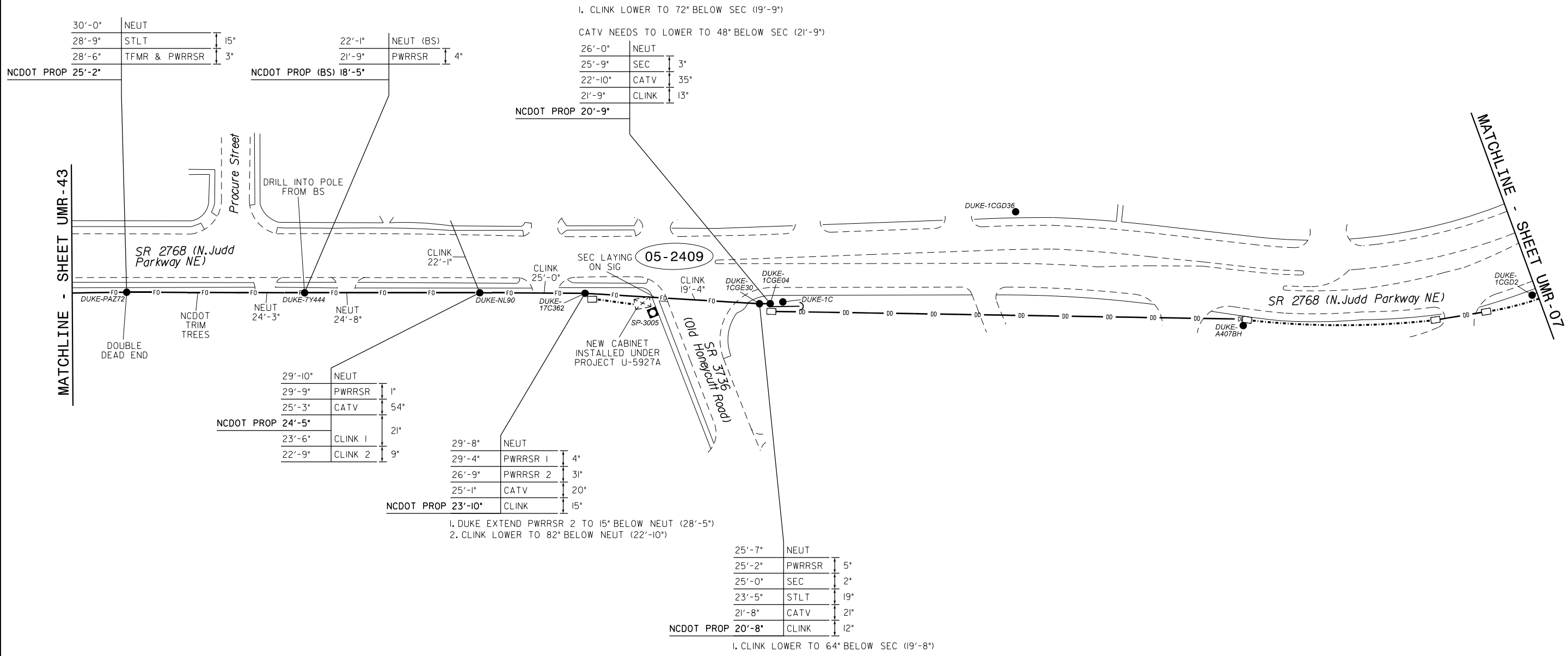
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

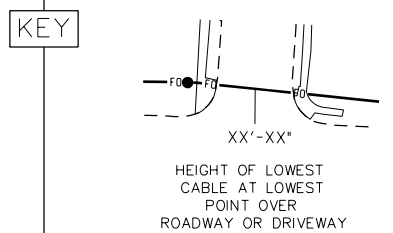
	Fuquay-Varina Signal System Utility Make Ready Plans																
	Division 5	Wake County															
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion															
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth															
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	1"=50'																
<p>CADD Filename: UMR-043.dgn</p>																	



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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
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| UNK | Unknown Utility Owner |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans		
	Division 5 Wake County Fuquay-Varina	PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	REVISIONS	
SCALE 0 50 1"=50'	REVISIONS	INIT.	DATE

CADD Filename: UMR-044.dgn

- DUKE RETUCK STLT DL
- CATV RAISE TO 70' BELOW NEUT (BS) (24'-3")
- CLINK RAISE TO 86' BELOW NEUT (BS) (22'-11")

30'-1"	NEUT (BS)	
29'-5"	PWRRSR	8"
28'-8"	TFMR	9"
25'-3"	STLT	41"
24'-3"	STLT DL	12"
22'-11"	CATV	16"
NCDOT PROP 22'-1"	CLINK	10"

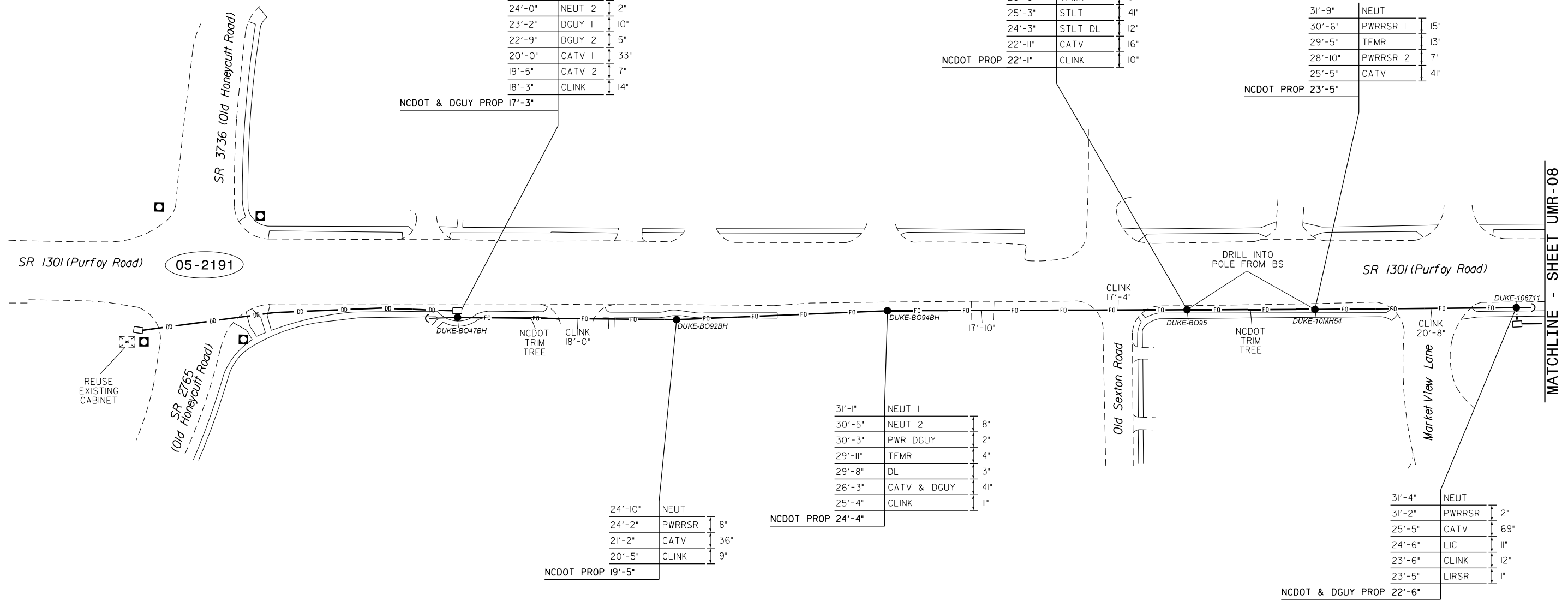
CLINK NEEDS TO ATTACH 53' BELOW PWRRSR 2 (24'-5")

31'-9"	NEUT	
30'-6"	PWRRSR 1	15"
29'-5"	TFMR	13"
28'-10"	PWRRSR 2	7"
25'-5"	CATV	41"

24'-2"	NEUT 1	
24'-0"	NEUT 2	2"
23'-2"	DGUY 1	10"
22'-9"	DGUY 2	5"
20'-0"	CATV 1	33"
19'-5"	CATV 2	7"
18'-3"	CLINK	14"

NCDOT & DGUY PROP 17'-3"

NCDOT PROP 23'-5"



31'-1"	NEUT 1	
30'-5"	NEUT 2	8"
30'-3"	PWR DGUY	2"
29'-11"	TFMR	4"
29'-8"	DL	3"
26'-3"	CATV & DGUY	41"
25'-4"	CLINK	11"
NCDOT PROP 24'-4"		

24'-10"	NEUT	
24'-2"	PWRRSR	8"
21'-2"	CATV	36"
20'-5"	CLINK	9"
NCDOT PROP 19'-5"		

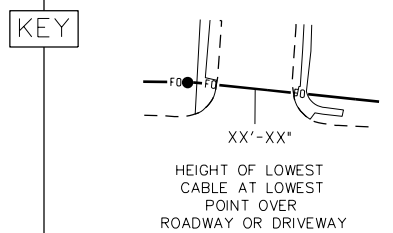
31'-4"	NEUT	
31'-2"	PWRRSR	2"
25'-5"	CATV	69"
24'-6"	LIC	11"
23'-6"	CLINK	12"
23'-5"	LIRSR	1"
NCDOT & DGUY PROP 22'-6"		

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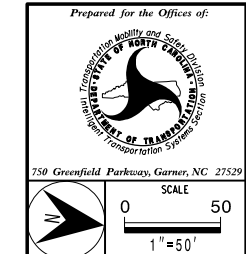
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



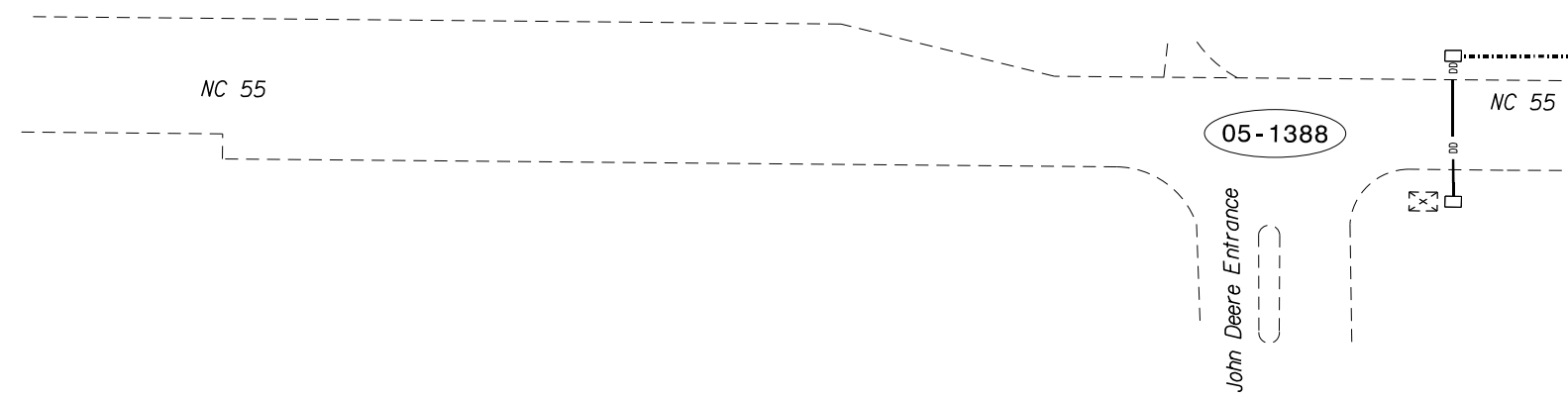
- AT&T Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
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- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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NO UMR WORK THIS SHEET

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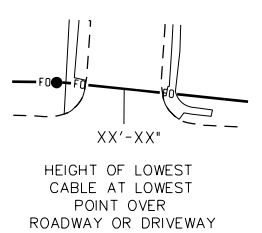
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY

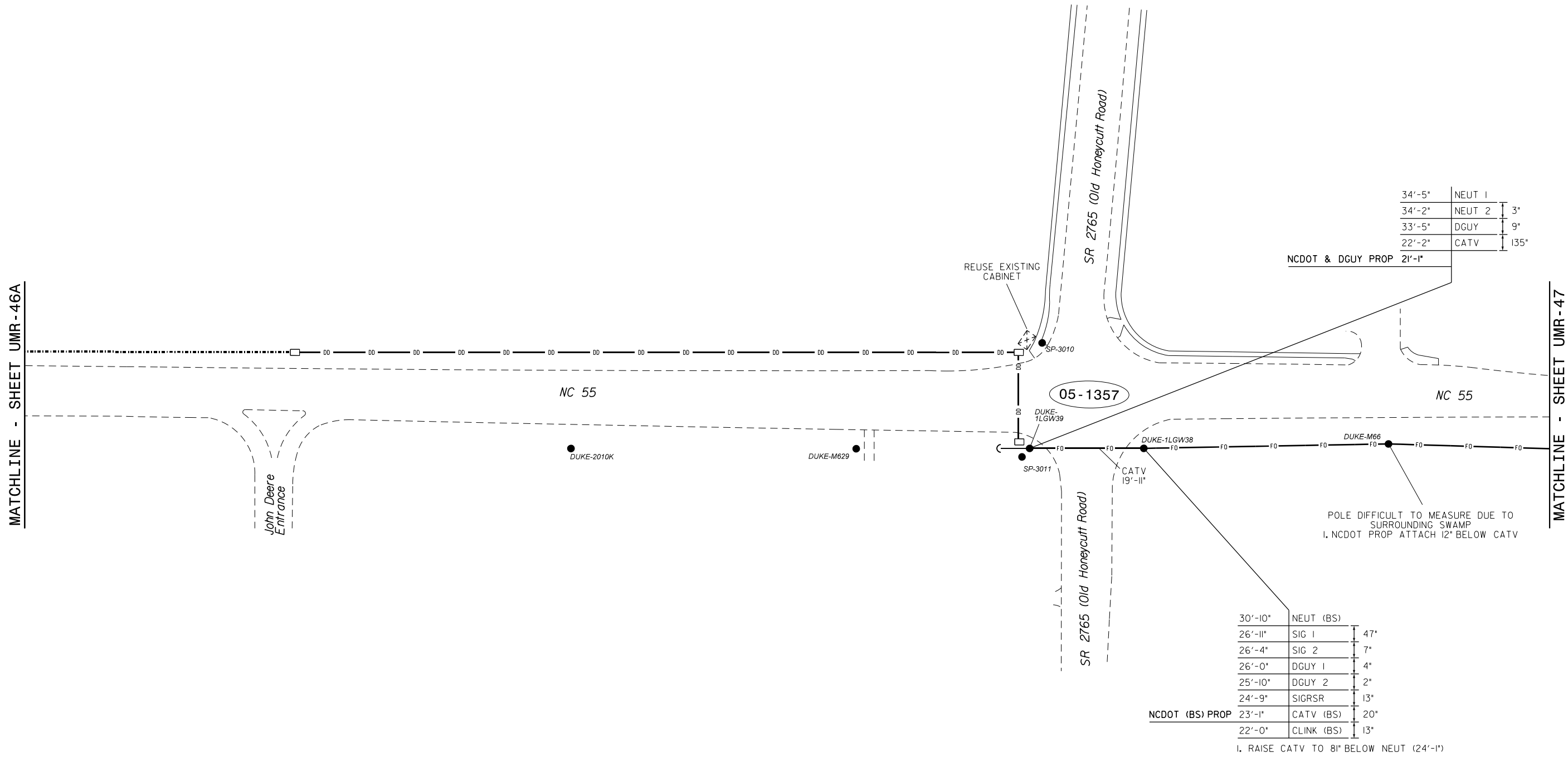


- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
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| TOWN | Town of Fuquay-Varina |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

<p>750 Greenfield Parkway, Garner, NC 27529</p>	<p>Fuquay-Varina Signal System Utility Make Ready Plans</p>																												
	<p>Division 5 Wake County Fuquay-Varina</p>																												
	<p>PLAN DATE: April 2022</p>	<p>REVIEWED BY: AM Encarnacion</p>																											
<p>PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: MB Toth</p>																												
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION							<p>INIT.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>INITIALS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	INITIALS							<p>DATE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</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>	NO.	DATE	DATE						
NO.	DATE	DESCRIPTION																											
NO.	DATE	INITIALS																											
NO.	DATE	DATE																											
<p>CADD Filename: UMR-046A.dgn</p>																													

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34'-5"	NEUT 1	
34'-2"	NEUT 2	3"
33'-5"	DGUY	9"
22'-2"	CATV	135"
NCDOT & DGUY PROP		21'-1"

30'-10"	NEUT (BS)	
26'-11"	SIG 1	47"
26'-4"	SIG 2	7"
26'-0"	DGUY 1	4"
25'-10"	DGUY 2	2"
24'-9"	SIGRSR	13"
NCDOT (BS) PROP	CATV (BS)	20"
22'-0"	CLINK (BS)	13"

I. RAISE CATV TO 8" BELOW NEUT (24'-1")

POLE DIFFICULT TO MEASURE DUE TO SURROUNDING SWAMP
I. NCDOT PROP ATTACH 12" BELOW CATV

MATCHLINE - SHEET UMR-46A

MATCHLINE - SHEET UMR-47

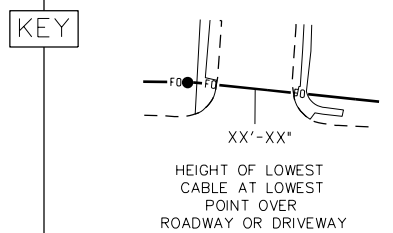
John Deere Entrance

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XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEE #F-0326

Prepared for the Offices of:

750 Greenfield Parkway, Garner, NC 27529

Fuquay-Varina Signal System Utility Make Ready Plans

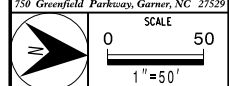
Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

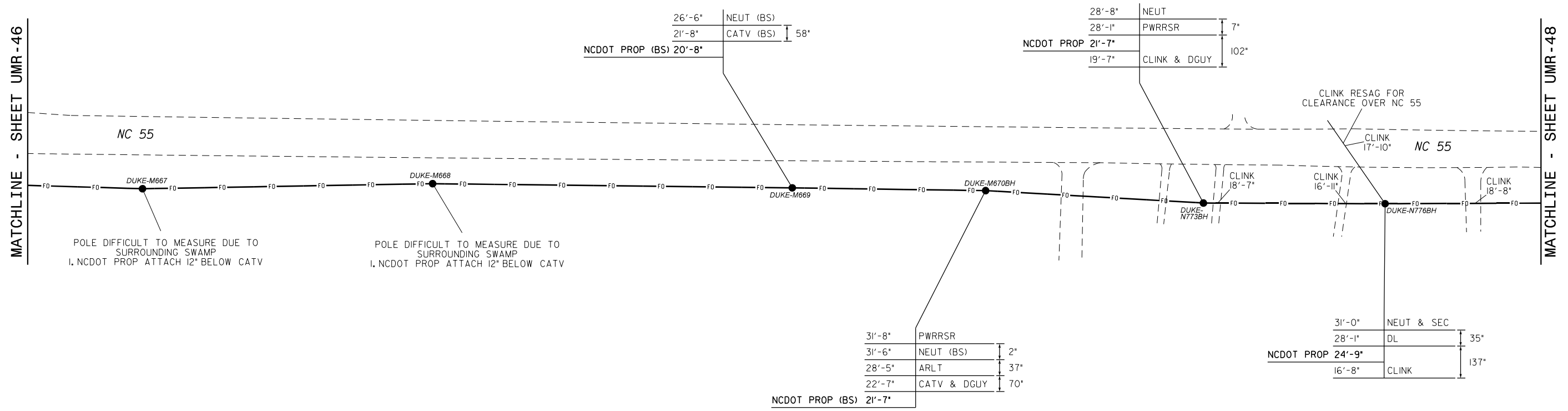
REVISIONS	INIT.	DATE

CADD Filename: UMR-046.dgn

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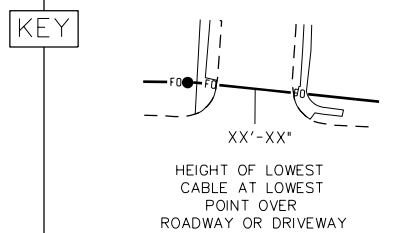
MATCHLINE - SHEET UMR-46

MATCHLINE - SHEET UMR-48

01-AUG-2022 12:07 P:\77\50505343_westh\ins.com\ATKINS\01\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-047.dgn STIF-665 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
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1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

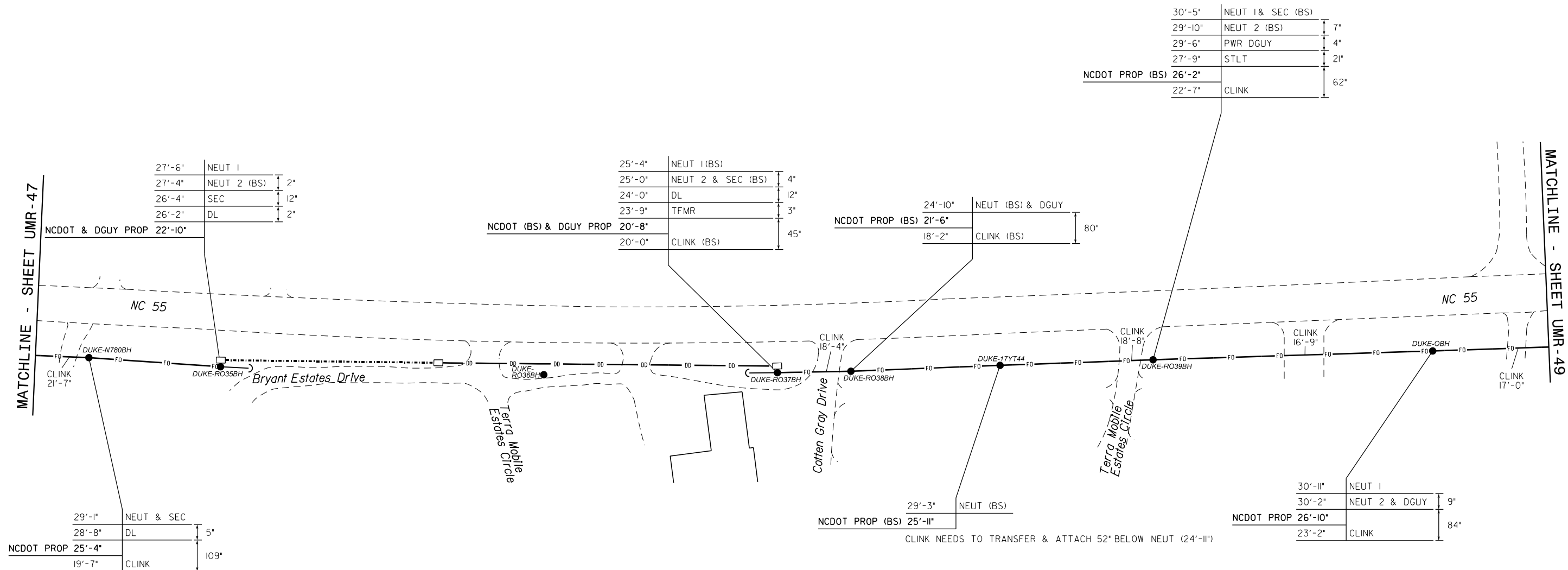
PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE
0 50
1"=50'

CADD Filename: UMR-047.dgn



27'-6"	NEUT 1	
27'-4"	NEUT 2 (BS)	2'
26'-4"	SEC	12'
26'-2"	DL	2'
NCDOT & DGUY PROP 22'-10"		

25'-4"	NEUT 1 (BS)	
25'-0"	NEUT 2 & SEC (BS)	4'
24'-0"	DL	12'
23'-9"	TFMR	3'
NCDOT (BS) & DGUY PROP 20'-8"		
20'-0"	CLINK (BS)	45'

24'-10"	NEUT (BS) & DGUY	
21'-6"	CLINK (BS)	80'
NCDOT PROP (BS) 18'-2"		

30'-5"	NEUT 1 & SEC (BS)	
29'-10"	NEUT 2 (BS)	7'
29'-6"	PWR DGUY	4'
27'-9"	STLT	21'
NCDOT PROP (BS) 26'-2"		
22'-7"	CLINK	62'

29'-1"	NEUT & SEC	
28'-8"	DL	5'
NCDOT PROP 25'-4"		
19'-7"	CLINK	109'

29'-3"	NEUT (BS)	
NCDOT PROP (BS) 25'-11"		

30'-11"	NEUT 1	
30'-2"	NEUT 2 & DGUY	9'
NCDOT PROP 26'-10"		
23'-2"	CLINK	84'

CLINK NEEDS TO TRANSFER & ATTACH 52' BELOW NEUT (24'-11")

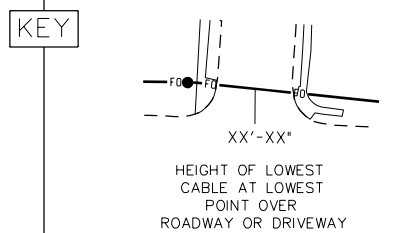
NO UMR WORK THIS SHEET

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion

PREPARED BY: JT Stiff REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

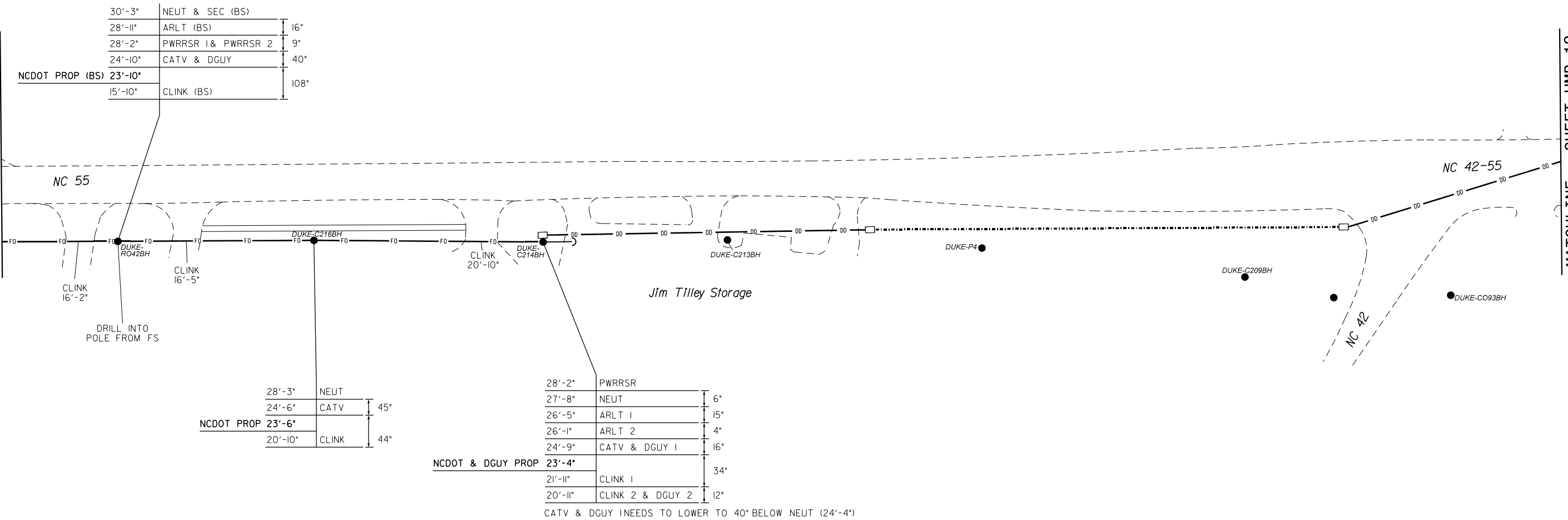
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MATCHLINE - SHEET UMR-48

MATCHLINE - SHEET UMR-12



NO UMR WORK THIS SHEET

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XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY

- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

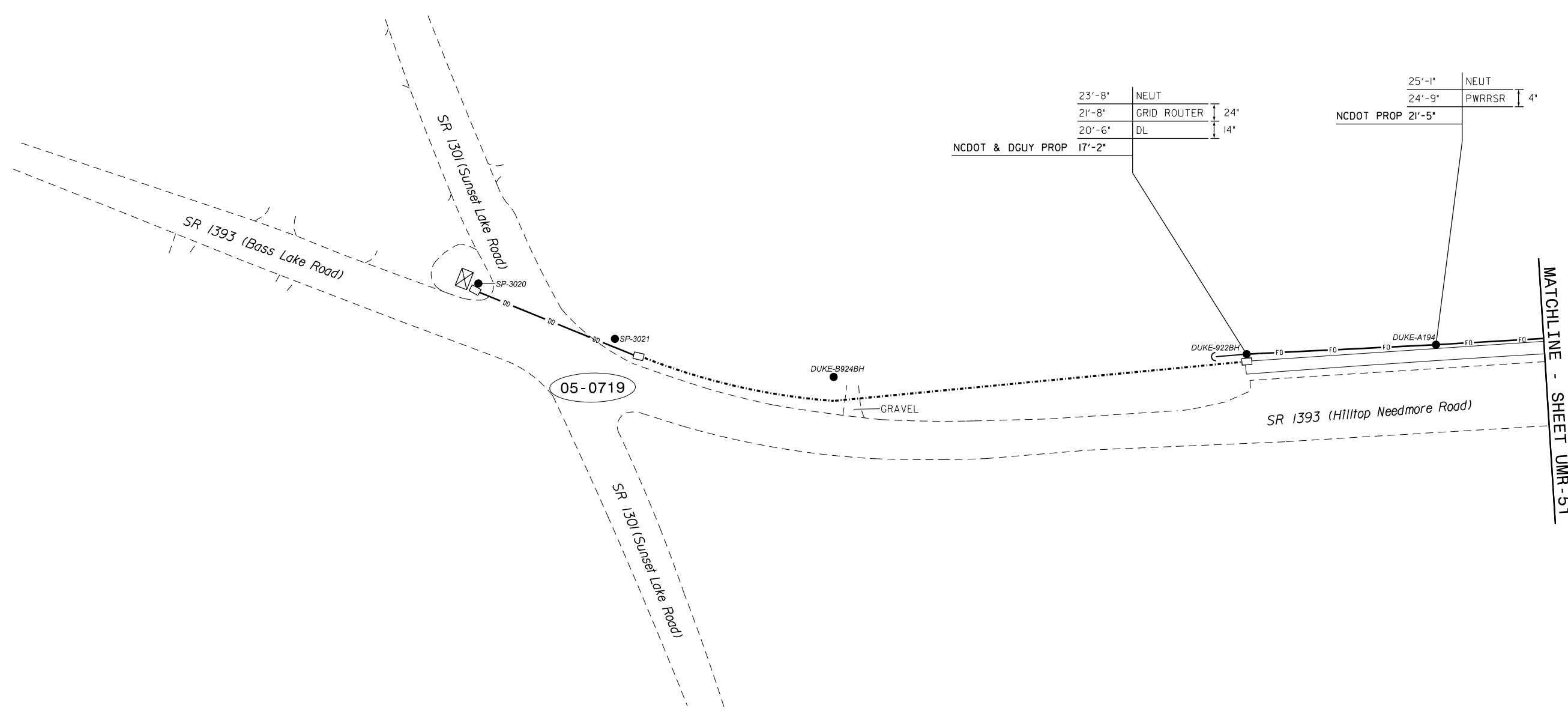
	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS		
	INIT.	DATE

SCALE
0 50
1"=50'

750 Greenfield Parkway, Garner, NC 27529

CADD Filename: UMR-049.dgn

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23'-8"	NEUT	25'-1"	NEUT
21'-8"	GRID ROUTER	24'-9"	PWRRSR
20'-6"	DL		4"
NCDOT & DGUY PROP 17'-2"		NCDOT PROP 21'-5"	

NO UMR WORK THIS SHEET

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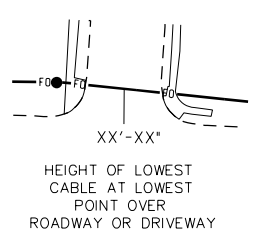
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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

ATKINS

1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEE #F-0326

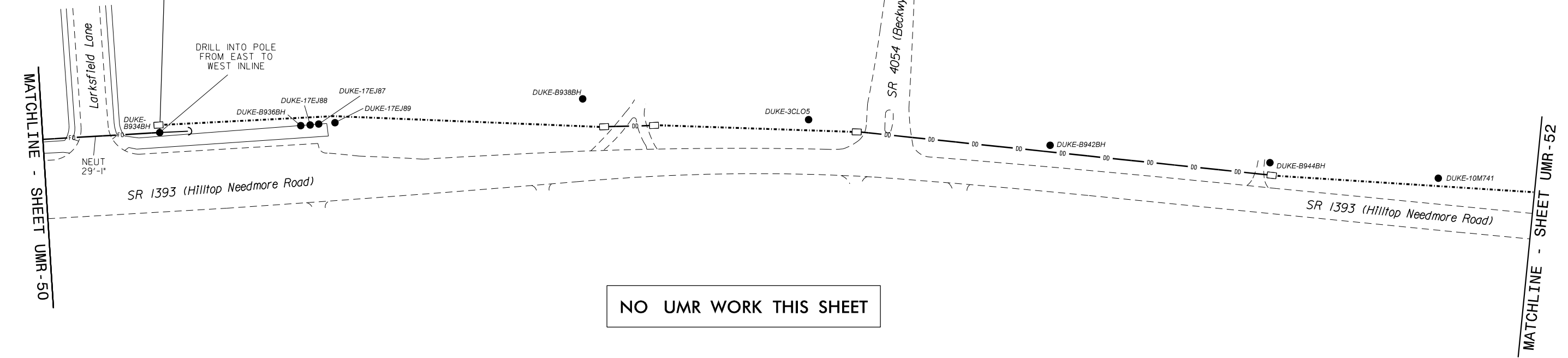
Prepared for the Offices of:

750 Greenfield Parkway, Garner, NC 27529

Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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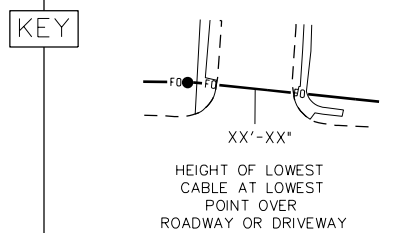
29'-10" NEUT
 29'-4" PWRRSR 1 & PWRRSR 2 | 6"
 NCDOT & DGUY PROP 26'-0"



NO UMR WORK THIS SHEET

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
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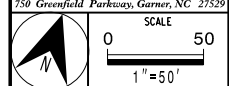
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County
	Fuquay-Varina PLAN DATE: April 2022 PREPARED BY: JT Stiff REVIEWED BY: AM Encarnacion MB Toth	Fuquay-Varina REVIEWED BY: AM Encarnacion MB Toth
REVISIONS INIT. DATE	REVISIONS INIT. DATE	REVISIONS INIT. DATE



18-OCT-2022 14:42
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 STIF-4685 At LUS491085

1. DUKE REPLACE WITH 5' TALLER POLE (50')
2. NCDOT ATTACH 40' BELOW PWR
3. CATV TRANSFER & ATTACH 52' BELOW PWR
4. DUKENET TRANSFER & ATTACH 64' BELOW PWR

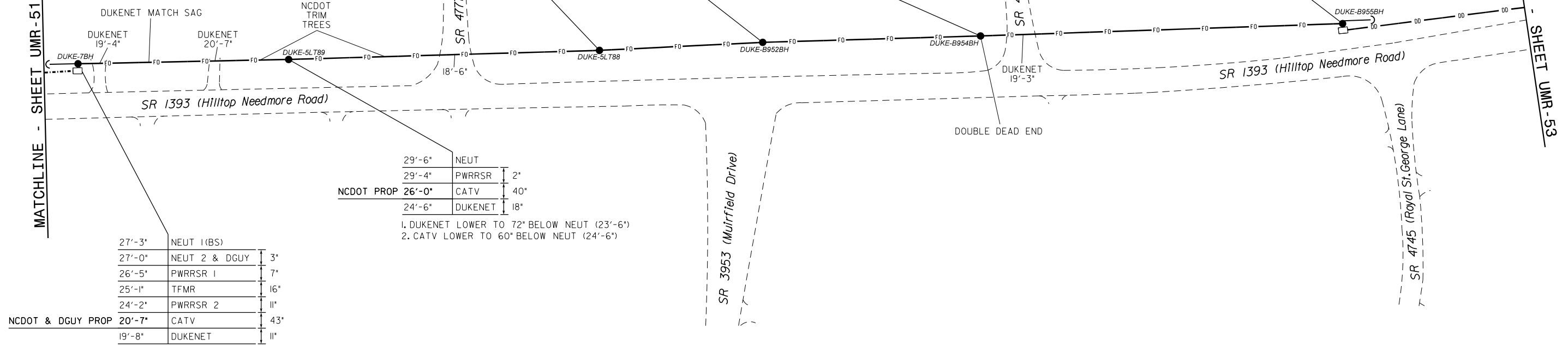
29'-1"	NEUT 1	
28'-7"	NEUT 2	6"
24'-9"	CATV	46"
23'-8"	DUKENET	13"

1. DUKENET LOWER TO 78" BELOW NEUT 2 (18'-11")
2. CATV LOWER TO 66" BELOW NEUT 2 (19'-11")

25'-10"	NEUT 1	
25'-5"	NEUT 2 & DGUY	5"
24'-4"	TFMR & DL	13"
NCDOT PROP 20'-11"	CATV	41"
19'-11"	DUKENET	12"

28'-0"	NEUT & SEC	
27'-9"	PWRRSR 1	3"
27'-4"	PWRRSR 2	5"
26'-8"	TFMR	8"
25'-7"	DL	13"
NCDOT PROP 22'-3"		
21'-4"	CATV & DGUY	5"
20'-5"	DUKENET	11"

25'-11"	NEUT 1	
25'-6"	NEUT 2 & DGUY 1	5"
24'-8"	TFMR	10"
24'-6"	PWRRSR	2"
24'-1"	DL	5"
NCDOT & DGUY PROP 21'-0"		
20'-0"	CATV & DGUY 2	49"



27'-3"	NEUT 1(BS)	
27'-0"	NEUT 2 & DGUY	3"
26'-5"	PWRRSR 1	7"
25'-1"	TFMR	16"
24'-2"	PWRRSR 2	11"
NCDOT & DGUY PROP 20'-7"	CATV	43"
19'-8"	DUKENET	11"

1. DUKENET LOWER TO 66" BELOW PWRRSR 2 (18'-8")
2. CATV LOWER TO 54" BELOW PWRRSR 2 (19'-8")

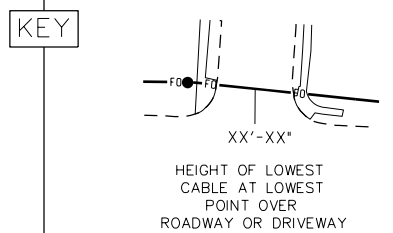
29'-6"	NEUT	
29'-4"	PWRRSR	2"
NCDOT PROP 26'-0"	CATV	40"
24'-6"	DUKENET	18"

1. DUKENET LOWER TO 72" BELOW NEUT (23'-6")
2. CATV LOWER TO 60" BELOW NEUT (24'-6")

18-OCT-2022 14:18 P:\77\505050343_wor\k\ins-com\ATK\N\001\Documents\Roads and Bridges\Projects\100063288 Fuquay Var\var\Task 10_UMR\UMR-052.dgn STIF-685 At LUS91085

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
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| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
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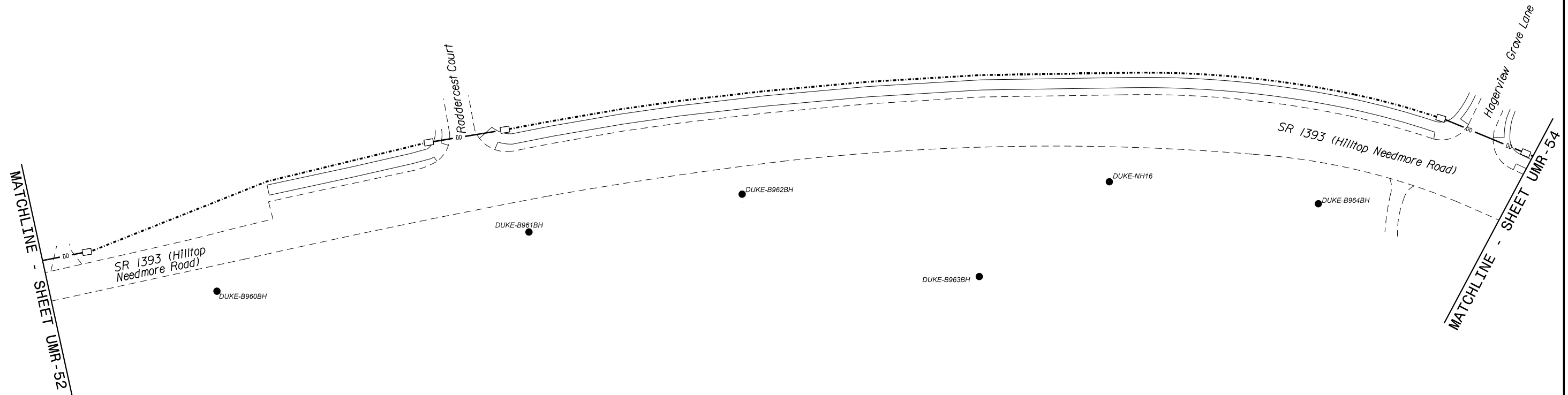
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE: 1"=50'

CADD Filename: UMR-052.dgn



NO UMR WORK THIS SHEET

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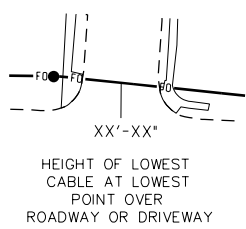
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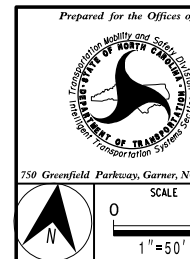
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



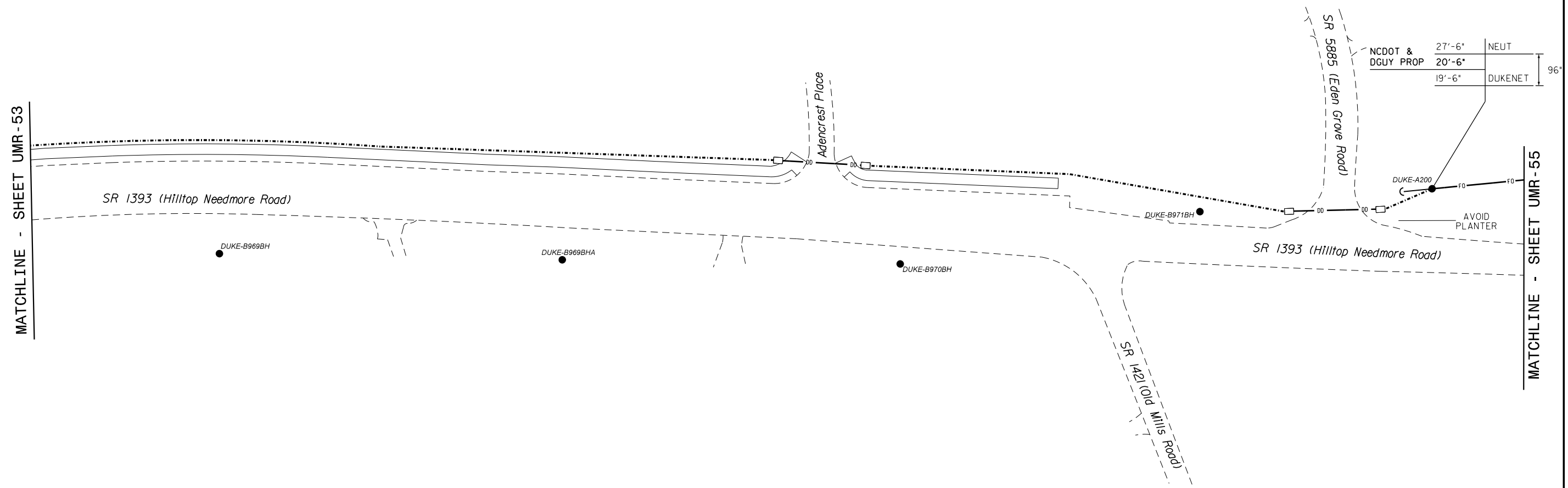
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEE #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE



MATCHLINE - SHEET UMR-53

MATCHLINE - SHEET UMR-55

NO UMR WORK THIS SHEET

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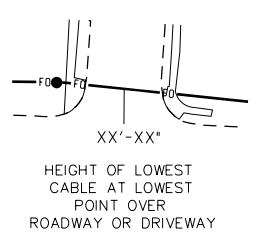
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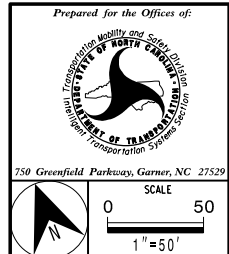
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
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XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



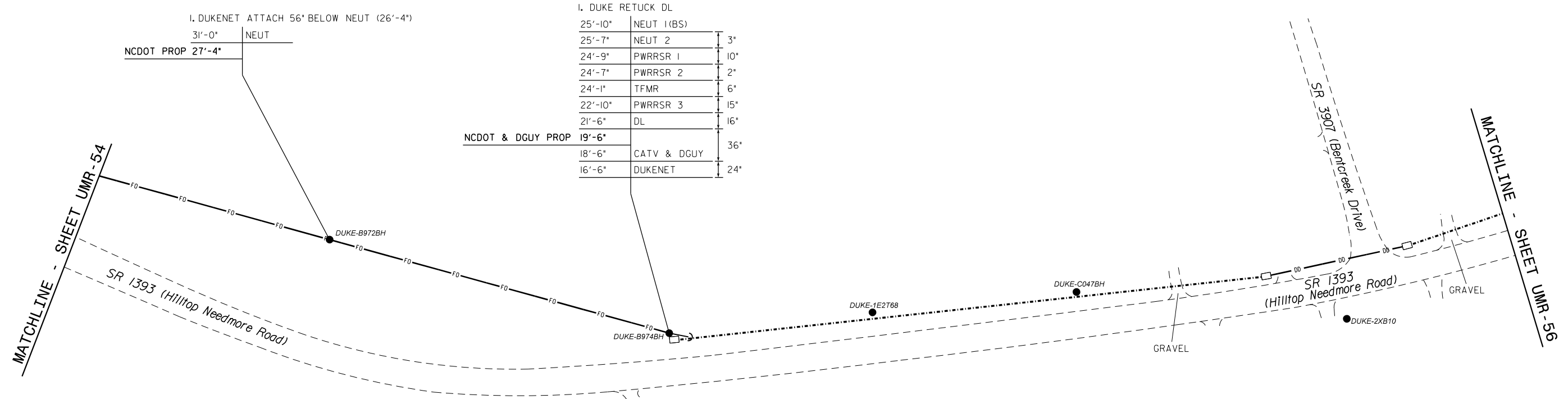
- | | |
|--------|---|
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
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Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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I. DUKENET ATTACH 56" BELOW NEUT (26'-4")

31'-0" NEUT
NCDOT PROP 27'-4"

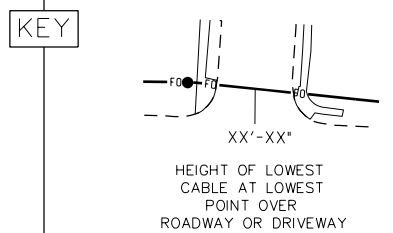
I. DUKE RETUCK DL

25'-10"	NEUT 1 (BS)	
25'-7"	NEUT 2	3"
24'-9"	PWRRSR 1	10"
24'-7"	PWRRSR 2	2"
24'-1"	TFMR	6"
22'-10"	PWRRSR 3	15"
21'-6"	DL	16"
NCDOT & DGUY PROP 19'-6"		
18'-6"	CATV & DGUY	36"
16'-6"	DUKENET	24"

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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
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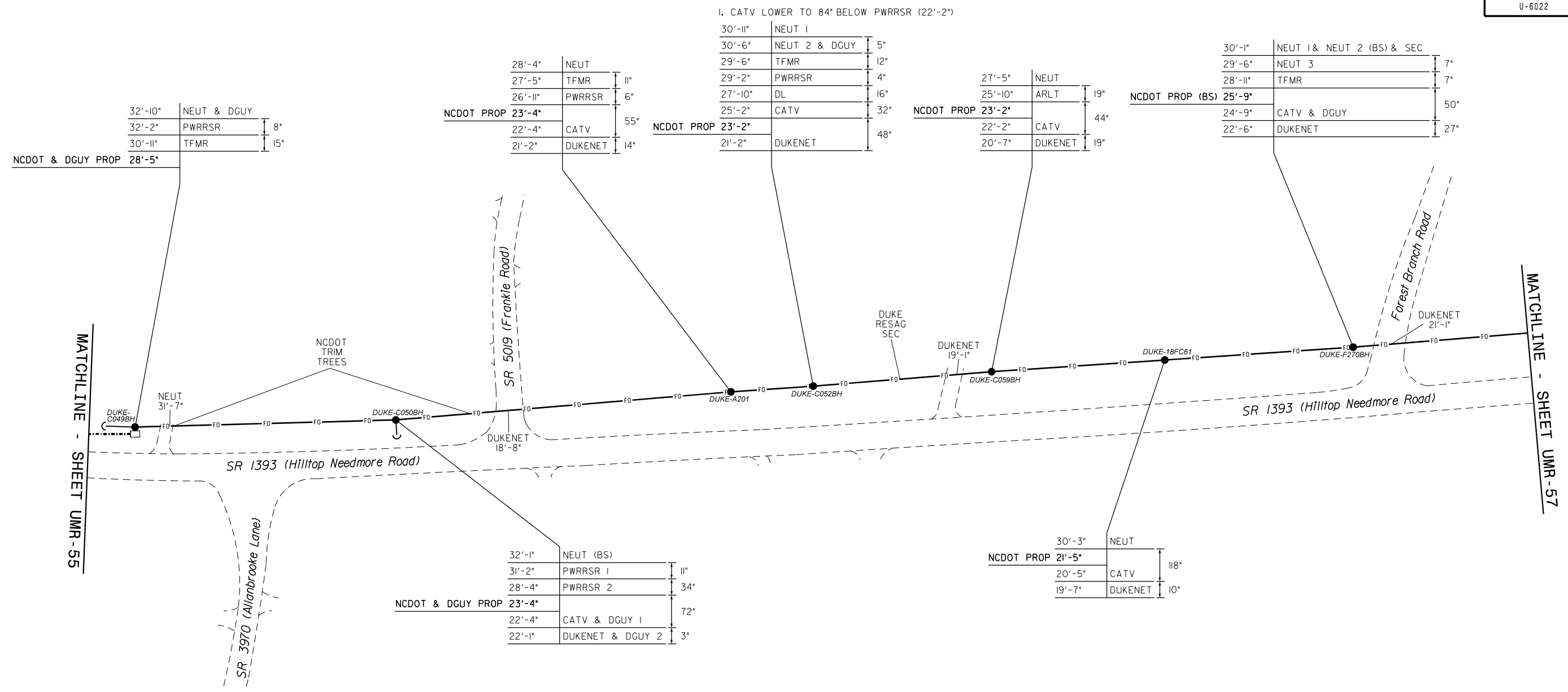
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans																
	Division 5	Wake County															
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REVISIONS	INIT.	DATE															
	<p>SCALE</p> <p>0 50</p> <p>1"=50'</p>	<p>CADD Filename: UMR-055.dgn</p>															



32'-10"	NEUT & DGUY	
32'-2"	PWRRSR	8"
30'-11"	TFMR	15"
NCDOT & DGUY PROP 28'-5"		

28'-4"	NEUT	
27'-5"	TFMR	11"
26'-11"	PWRRSR	6"
NCDOT PROP 23'-4"		
22'-4"	CATV	55"
21'-2"	DUKENET	14"

I. CATV LOWER TO 84" BELOW PWRRSR (22'-2")		
30'-11"	NEUT 1	
30'-6"	NEUT 2 & DGUY	5"
29'-6"	TFMR	12"
29'-2"	PWRRSR	4"
27'-10"	DL	16"
25'-2"	CATV	32"
NCDOT PROP 23'-2"		
21'-2"	DUKENET	48"

27'-5"	NEUT	
25'-10"	ARLT	19"
NCDOT PROP 23'-2"		
22'-2"	CATV	44"
20'-7"	DUKENET	19"

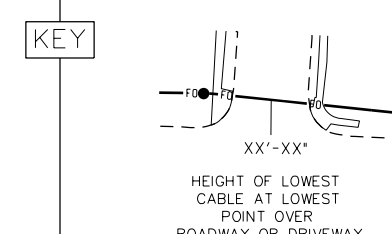
30'-1"	NEUT 1 & NEUT 2 (BS) & SEC	
29'-6"	NEUT 3	7"
28'-11"	TFMR	7"
NCDOT PROP (BS) 25'-9"		
24'-9"	CATV & DGUY	50"
22'-6"	DUKENET	27"

32'-1"	NEUT (BS)	
31'-2"	PWRRSR 1	11"
28'-4"	PWRRSR 2	34"
NCDOT & DGUY PROP 23'-4"		
22'-4"	CATV & DGUY 1	72"
22'-1"	DUKENET & DGUY 2	3"

30'-3"	NEUT	
NCDOT PROP 21'-5"		
20'-5"	CATV	118"
19'-7"	DUKENET	10"

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

NOTES WITHOUT NUMBERS ARE OBSERVATIONS MADE DURING FIELD WORK AND ACTION BY UTILITY COMPANIES THAT MAY BE TAKEN AT THEIR DISCRETION, BUT WILL NOT BE PAID FOR BY THIS PROJECT.

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

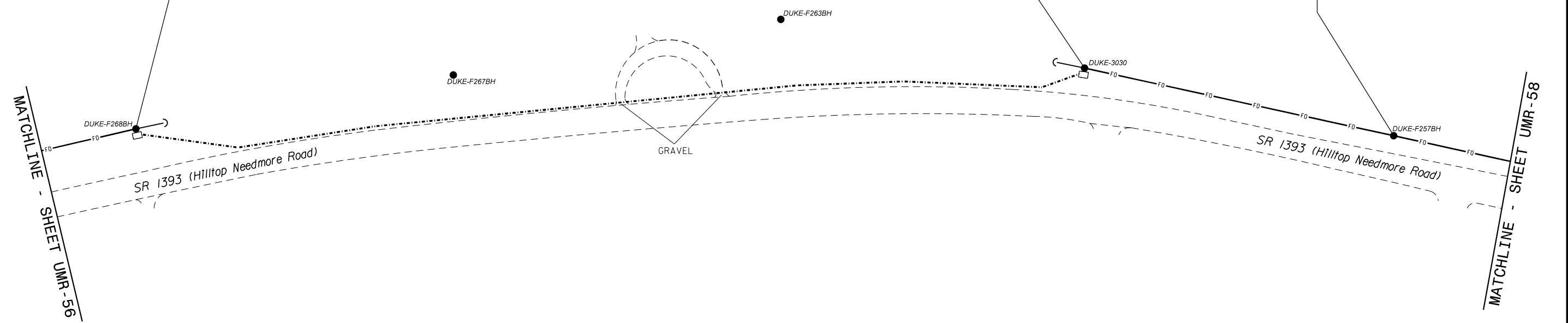
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina	PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion
	PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS
SCALE 0 50 1"=50'	REVISIONS	INIT. DATE

29'-9"	NEUT 1 (BS)	
29'-4"	NEUT 2 & DGUY 1	5"
29'-3"	PWRRSR 1	1"
28'-10"	PWRRSR 2	5"
28'-1"	TFMR	9"
27'-9"	DL	4"
NCDOT & DGUY PROP 24'-5"		
20'-10"	DUKENET (BS) & DGUY 2	83"

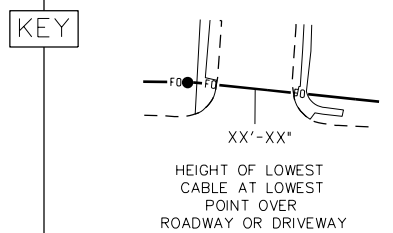
30'-6"	PWRRSR	
29'-5"	OWS 3	13"
29'-1"	DL	4"
NCDOT & DGUY PROP 25'-5"	CATV & DGUY 1	44"
24'-7"	DUKENET & DGUY 2	10"

1. DUKENET (BS) LOWER TO 70" BELOW OWS 3 & DGUY (18'-3")		
2. CATV (BS) LOWER TO 58" BELOW OWS 3 & DGUY (19'-3")		
NCDOT PROP (BS) 24'-1"	OWS 3 & DGUY	
19'-3"	CATV (BS)	42"
	DUKENET (BS)	16"



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
| NCDOT | North Carolina Department of Transportation |
| PNG | Piedmont Natural Gas |
| SP | Signal Pole (NCDOT) |
| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
| VZN | Verizon |

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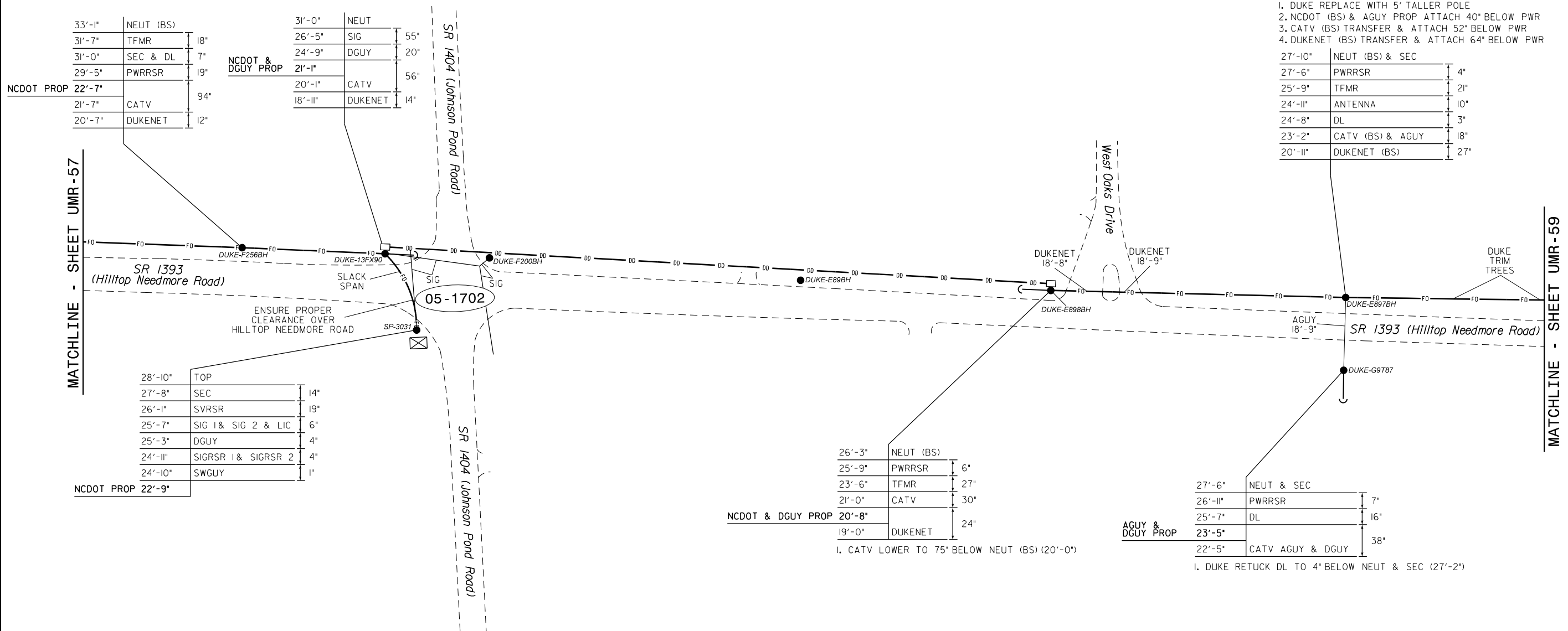
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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans											
	Division 5	Wake County										
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion										
	PREPARED BY: JT Stiff	REVIEWED BY: MB Toth										
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REVISIONS	INIT.	DATE										
CADD Filename: UMR-057.dgn												

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33'-1"	NEUT (BS)	
31'-7"	TFMR	18"
31'-0"	SEC & DL	7"
29'-5"	PWRRSR	19"
22'-7"	CATV	94"
21'-7"	CATV	
20'-7"	DUKENET	12"

31'-0"	NEUT	
26'-5"	SIG	55"
24'-9"	DGUY	20"
21'-1"	CATV	56"
20'-1"	CATV	
18'-11"	DUKENET	14"

- DUKE REPLACE WITH 5' TALLER POLE
- NCDOT (BS) & AGUY PROP ATTACH 40" BELOW PWR
- CATV (BS) TRANSFER & ATTACH 52" BELOW PWR
- DUKENET (BS) TRANSFER & ATTACH 64" BELOW PWR

27'-10"	NEUT (BS) & SEC	
27'-6"	PWRRSR	4"
25'-9"	TFMR	21"
24'-11"	ANTENNA	10"
24'-8"	DL	3"
23'-2"	CATV (BS) & AGUY	18"
20'-11"	DUKENET (BS)	27"

28'-10"	TOP	
27'-8"	SEC	14"
26'-1"	SVRSR	19"
25'-7"	SIG 1 & SIG 2 & LIC	6"
25'-3"	DGUY	4"
24'-11"	SIGRSR 1 & SIGRSR 2	4"
24'-10"	SWGUY	1"
22'-9"	NCDOT PROP	

26'-3"	NEUT (BS)	
25'-9"	PWRRSR	6"
23'-6"	TFMR	27"
21'-0"	CATV	30"
20'-8"	DUKENET	24"
19'-0"	DUKENET	

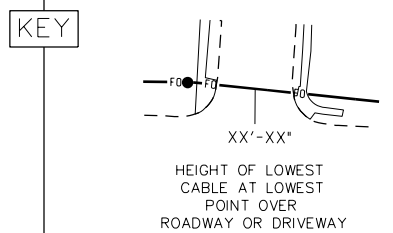
27'-6"	NEUT & SEC	
26'-11"	PWRRSR	7"
25'-7"	DL	16"
23'-5"	CATV AGUY & DGUY	38"
22'-5"	CATV AGUY & DGUY	

1. CATV LOWER TO 75' BELOW NEUT (BS) (20'-0")

1. DUKE RETUCK DL TO 4" BELOW NEUT & SEC (27'-2")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
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- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans		
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS INIT. DATE	
	SCALE 0 50 1"=50' CADD Filename: UMR-058.dgn		

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 STIF-4685 At LUS911085

I. CATV LOWER TO 60' BELOW NEUT (22'-5")

27'-5"	NEUT (BS)	
26'-7"	PWRRSR	10'
NCDOT PROP 23'-3"	CATV	40'
21'-7"	DUKENET	20'

I. CATV LOWER TO 73' BELOW NEUT 2 (24'-4")

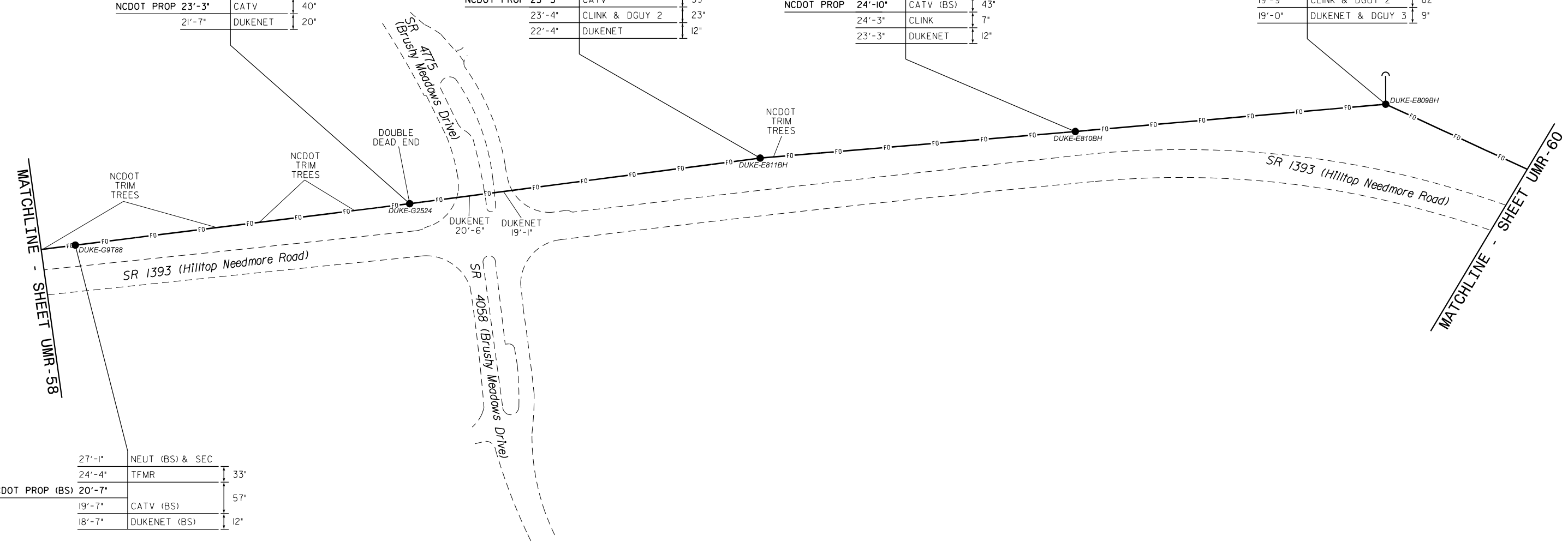
30'-10"	NEUT 1	
30'-5"	NEUT 2	5'
29'-1"	PWRRSR	16'
28'-6"	DGUY 1	7'
NCDOT PROP 25'-3"	CATV	39'
23'-4"	CLINK & DGUY 2	23'
22'-4"	DUKENET	12'

I. DUKENET LOWER TO 74' BELOW NEUT (22'-3")
 2. CLINK LOWER TO 62' BELOW NEUT (23'-3")
 3. CATV (BS) LOWER TO 50' BELOW NEUT (24'-3")

28'-5"	NEUT	
NCDOT PROP 24'-10"	CATV (BS)	43'
24'-3"	CLINK	7'
23'-3"	DUKENET	12'

I. CATV & DGUY 1 LOWER TO 56' BELOW NEUT (25'-7")

30'-3"	NEUT	
NCDOT & DGUY PROP 26'-7"	CATV & DGUY 1	44'
19'-9"	CLINK & DGUY 2	82'
19'-0"	DUKENET & DGUY 3	9'



NCDOT PROP (BS) 20'-7"

27'-1"	NEUT (BS) & SEC	
24'-4"	TFMR	33'
NCDOT PROP (BS) 20'-7"		
19'-7"	CATV (BS)	57'
18'-7"	DUKENET (BS)	12'

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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY

- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
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- PNG Piedmont Natural Gas
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1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBES #F-0326

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion

PREPARED BY: JT Stiff REVIEWED BY: MB Toth

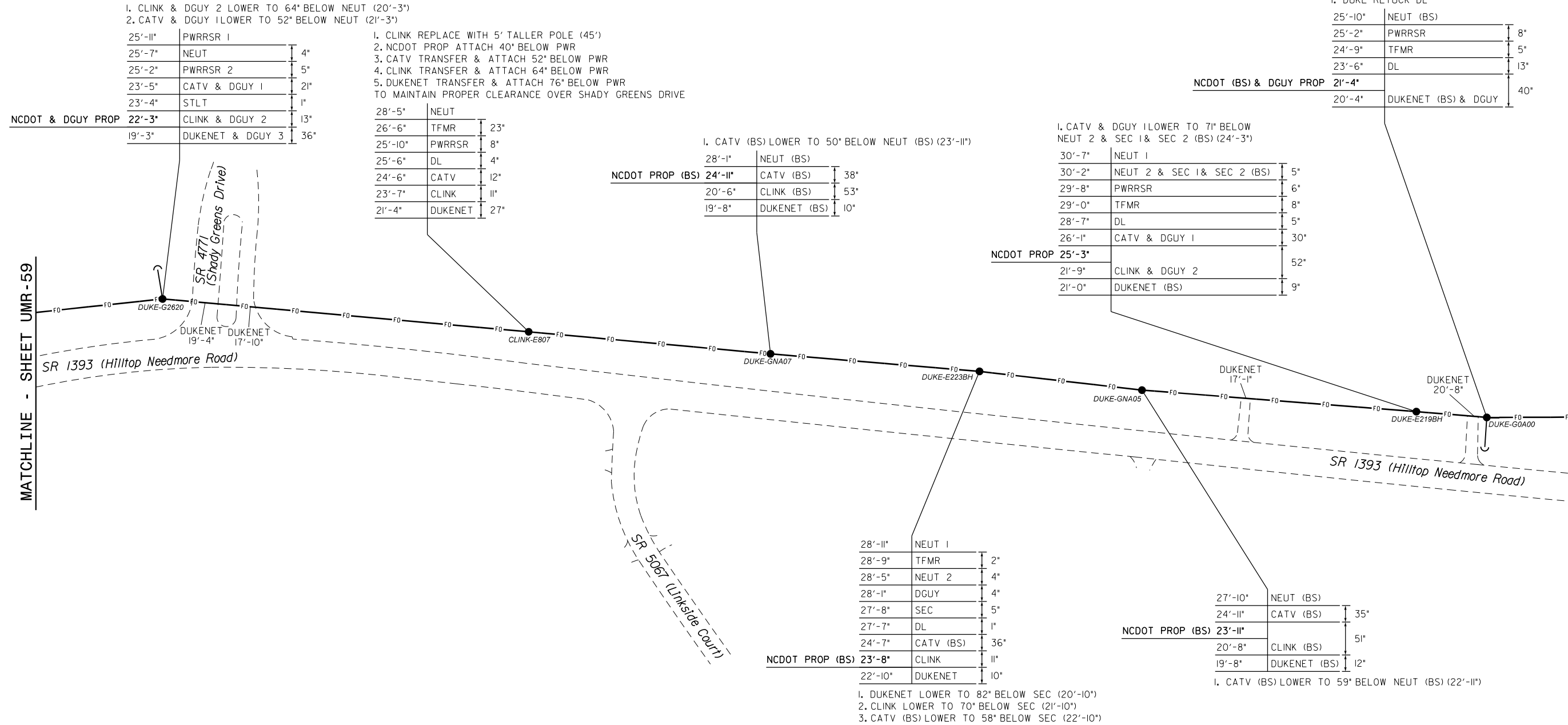
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750 Greenfield Parkway, Garner, NC 27529

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 STIF-4685 At LUS911085



1. CLINK & DGUY 2 LOWER TO 64' BELOW NEUT (20'-3")
2. CATV & DGUY 1 LOWER TO 52' BELOW NEUT (21'-3")

25'-11"	PWRRSR 1	
25'-7"	NEUT	4"
25'-2"	PWRRSR 2	5"
23'-5"	CATV & DGUY 1	21"
23'-4"	STLT	1"
NCDOT & DGUY PROP 22'-3"	CLINK & DGUY 2	13"
19'-3"	DUKENET & DGUY 3	36"

1. CLINK REPLACE WITH 5' TALLER POLE (45')
2. NCDOT PROP ATTACH 40' BELOW PWR
3. CATV TRANSFER & ATTACH 52' BELOW PWR
4. CLINK TRANSFER & ATTACH 64' BELOW PWR
5. DUKENET TRANSFER & ATTACH 76' BELOW PWR TO MAINTAIN PROPER CLEARANCE OVER SHADY GREENS DRIVE

28'-5"	NEUT	
26'-6"	TFMR	23"
25'-10"	PWRRSR	8"
25'-6"	DL	4"
24'-6"	CATV	12"
23'-7"	CLINK	11"
21'-4"	DUKENET	27"

1. CATV (BS) LOWER TO 50' BELOW NEUT (BS) (23'-11")

NCDOT PROP (BS) 28'-1"	NEUT (BS)	
24'-11"	CATV (BS)	38"
20'-6"	CLINK (BS)	53"
19'-8"	DUKENET (BS)	10"

1. CATV & DGUY 1 LOWER TO 7' BELOW NEUT 2 & SEC 1 & SEC 2 (BS) (24'-3")

NCDOT PROP 30'-7"	NEUT 1	
30'-2"	NEUT 2 & SEC 1 & SEC 2 (BS)	5"
29'-8"	PWRRSR	6"
29'-0"	TFMR	8"
28'-7"	DL	5"
26'-1"	CATV & DGUY 1	30"
NCDOT PROP 25'-3"		
21'-9"	CLINK & DGUY 2	52"
21'-0"	DUKENET (BS)	9"

1. DUKE RETUCK DL

25'-10"	NEUT (BS)	
25'-2"	PWRRSR	8"
24'-9"	TFMR	5"
23'-6"	DL	13"
NCDOT (BS) & DGUY PROP 21'-4"		
20'-4"	DUKENET (BS) & DGUY	40"

NCDOT PROP (BS) 28'-11"	NEUT 1	
28'-9"	TFMR	2"
28'-5"	NEUT 2	4"
28'-1"	DGUY	4"
27'-8"	SEC	5"
27'-7"	DL	1"
24'-7"	CATV (BS)	36"
NCDOT PROP (BS) 23'-8"	CLINK	11"
22'-10"	DUKENET	10"

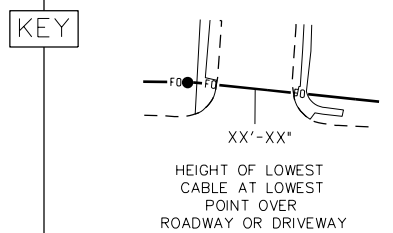
NCDOT PROP (BS) 27'-10"	NEUT (BS)	
24'-11"	CATV (BS)	35"
NCDOT PROP (BS) 23'-11"		
20'-8"	CLINK (BS)	51"
19'-8"	DUKENET (BS)	12"

1. CATV (BS) LOWER TO 59' BELOW NEUT (BS) (22'-11")

1. DUKENET LOWER TO 82' BELOW SEC (20'-10")
2. CLINK LOWER TO 70' BELOW SEC (21'-10")
3. CATV (BS) LOWER TO 58' BELOW SEC (22'-10")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
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| TOWN | Town of Fuquay-Varina |
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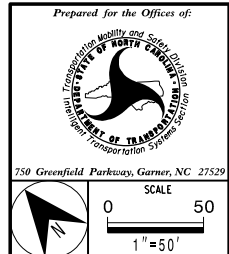
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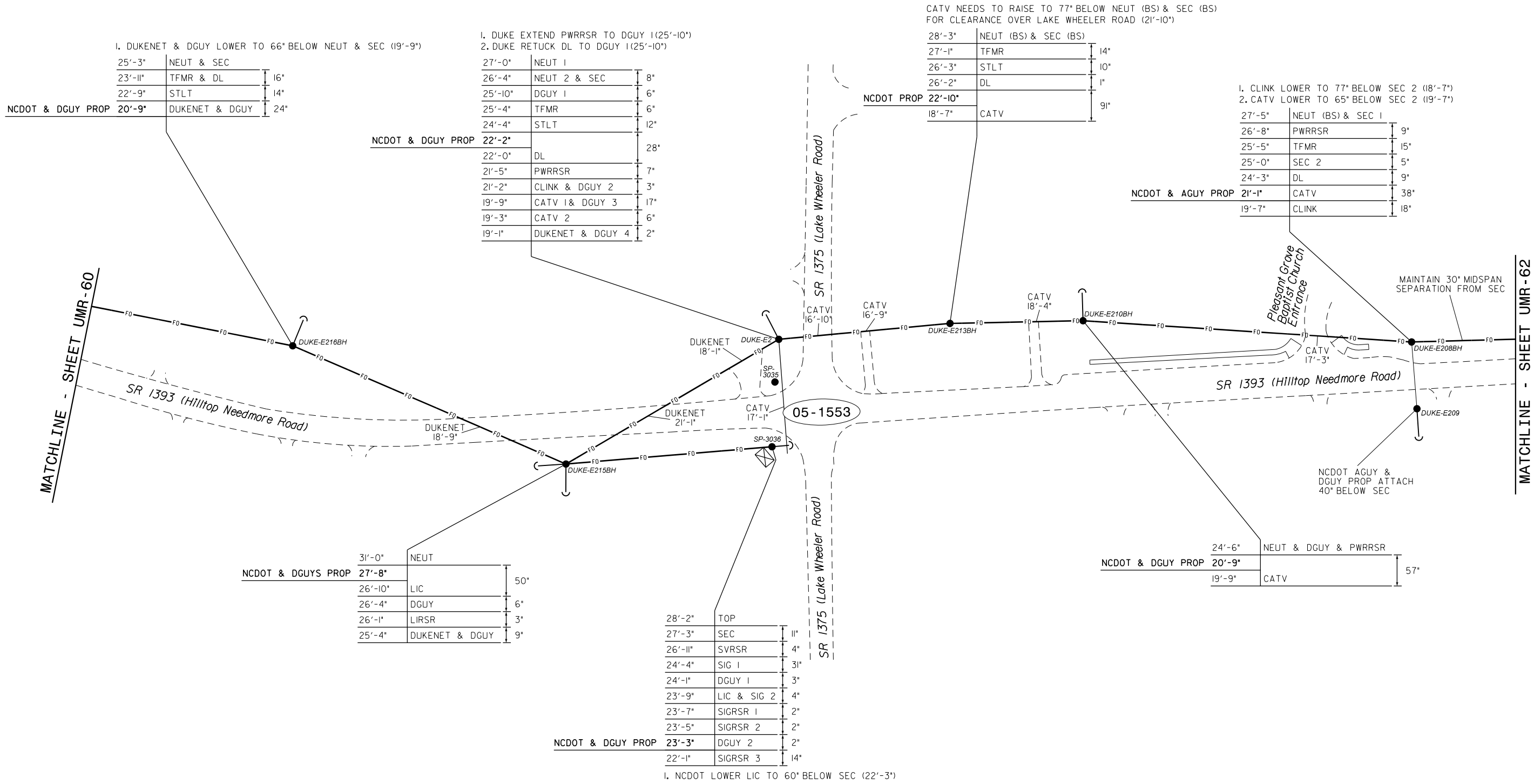
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1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326



Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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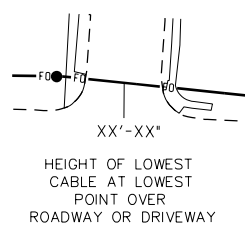
MATCHLINE - SHEET UMR-60

MATCHLINE - SHEET UMR-62

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEES #F-0326

Prepared for the Offices of:		Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5 Wake County Fuquay-Varina		PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion	
750 Greenfield Parkway, Garner, NC 27529		PREPARED BY: JT Stiff REVIEWED BY: MB Toth	
SCALE 0 50 1"=50'		REVISIONS	
N		INIT. DATE	

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1. CLINK LOWER TO 69" BELOW NEUT 2 (BS) (21'-3")
 2. CATV LOWER TO 57" BELOW NEUT 2 (BS) (22'-3")

27'-7"	NEUT 1	
27'-0"	NEUT 2 (BS)	7"
NCDOT PROP 23'-3"	CATV	45"
22'-3"	CLINK	12"

28'-10"	OWS 1 & NEUT (BS) & SEC (BS)	
27'-10"	OWS 2	12"
26'-11"	OWS 3 & DGUY	11"
26'-0"	TFMR	11"
NCDOT PROP 23'-6"		54"
21'-6"	CATV	
19'-11"	CLINK	19"

CATV NEEDS TO RAISE TO 52" BELOW NEUT (BS) & SEC (25'-6")
 CLINK NEEDS TO RAISE TO 64" BELOW NEUT (BS) & SEC (24'-6")

29'-10"	NEUT (BS) & SEC	
NCDOT PROP 26'-6"		61"
24'-9"	CATV	
23'-1"	CLINK	20"

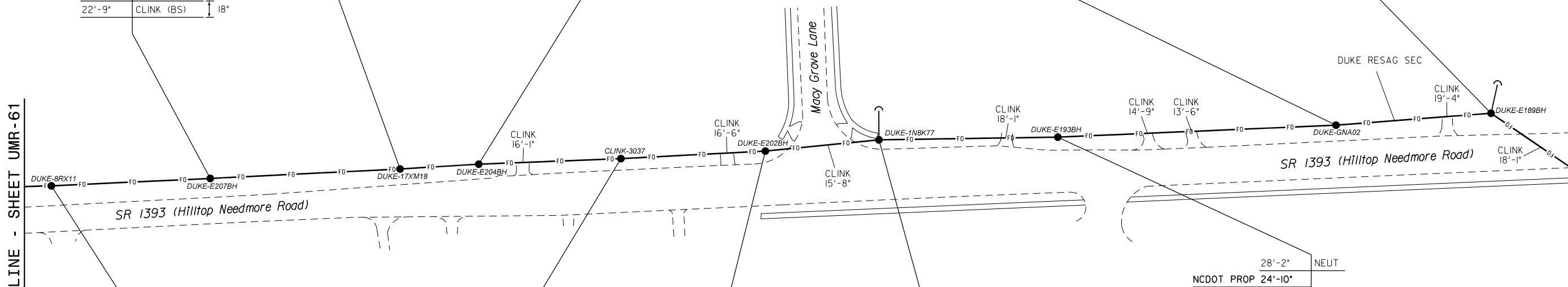
1. CLINK & DGUY 2 LOWER TO 87" BELOW NEUT & SEC 1 & SEC 2 (BS) (18'-11")
 2. CATV & DGUY 1 & CATV RSR LOWER TO 75" BELOW NEUT & SEC 1 & SEC 2 (BS) (19'-11")

26'-2"	NEUT & SEC 1 & SEC 2 (BS)	
24'-5"	TFMR	21"
24'-3"	DL	2"
21'-6"	CATV & DGUY 1	33"
NCDOT & DGUY PROP 20'-11"		19"
19'-11"	CLINK & DGUY 2	

30'-11"	NEUT (BS)	
NCDOT PROP (BS) 25'-3"		80"
24'-3"	CATV (BS)	
22'-9"	CLINK (BS)	18"

MATCHLINE - SHEET UMR-61

MATCHLINE - SHEET UMR-22



24'-8"	NEUT (BS) & SEC	
NCDOT PROP (BS) 21'-4"		

CATV NEED TO TRANSFER & ATTACH 52" BELOW NEUT (BS) & SEC (20'-4")
 CLINK NEEDS TO TRANSFER & ATTACH 64" BELOW NEUT (BS) & SEC (19'-4")

28'-2"	NEUT	
NCDOT PROP 24'-10"		
26'-3"	NEUT & PWRRSR (BS)	
NCDOT & DGUY PROP 22'-11"		

CATV NEEDS TO ATTACH AT 52" BELOW NEUT & PWRRSR (21'-11")
 CLINK NEEDS TO ATTACH AT 64" BELOW NEUT & PWRRSR (20'-11") TO PROVIDE CLEARANCE OVER MACY GROVE LANE

18'-6"	TOP	
NCDOT PROP (BS) 17'-6"		31"
15'-11"	CATV (BS)	
14'-6"	CLINK (BS)	17"

25'-6"	NEUT 1 (BS) & NEUT 2	
25'-2"	SEC 1 & SEC 2 (BS)	4"
25'-0"	DGUY	2"
24'-2"	DL	10"
NCDOT PROP (BS) 20'-8"		54"
19'-8"	CATV (BS)	
18'-0"	CLINK (BS)	20"

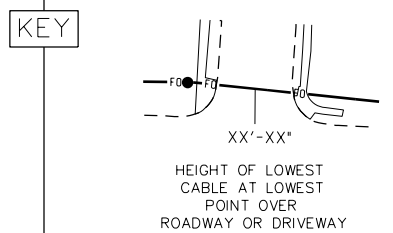
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



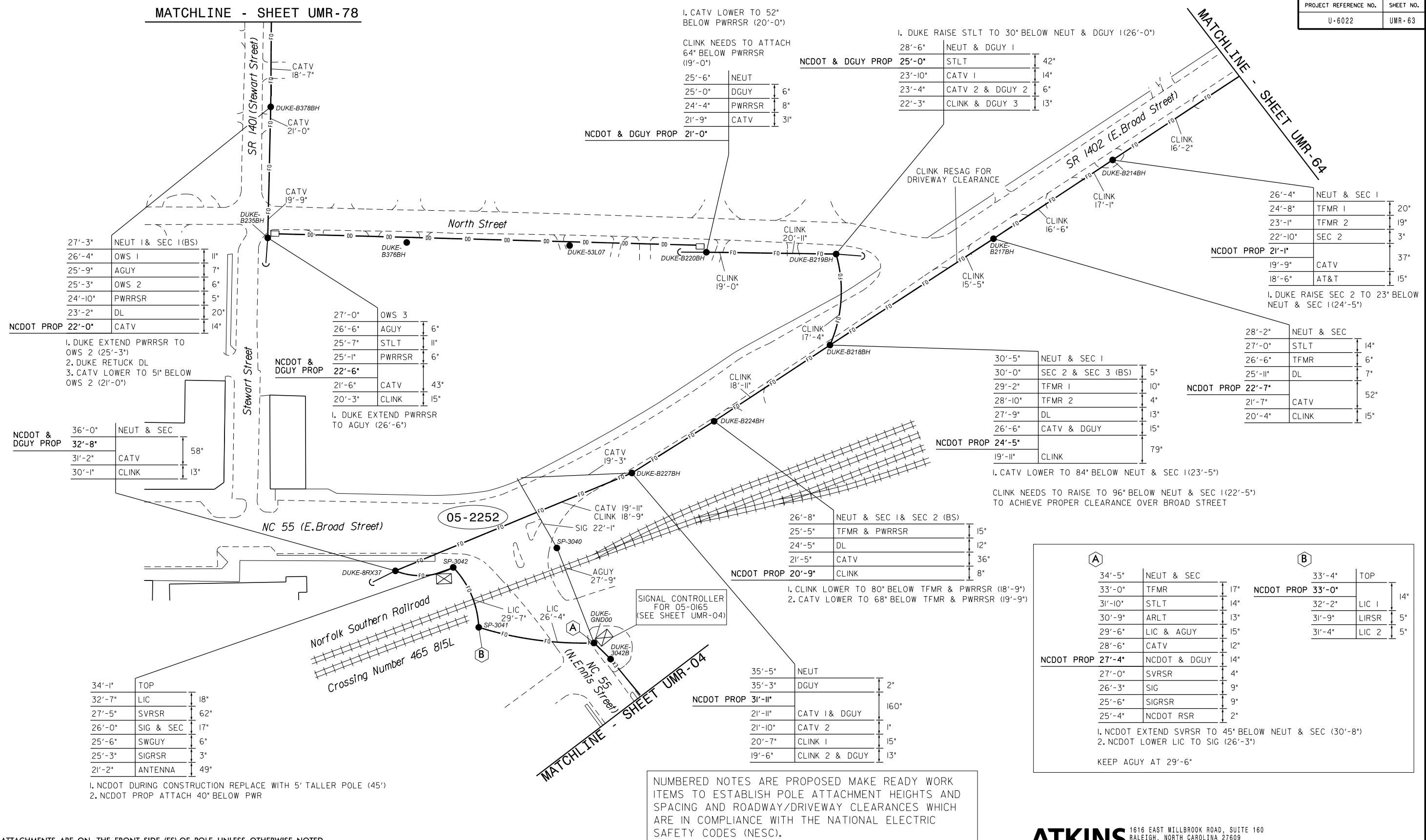
- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
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| TOWN | Town of Fuquay-Varina |
| UNK | Unknown Utility Owner |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans										
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 PREPARED BY: JT Stiff	REVIEWED BY: AM Encarnacion REVIEWED BY: MB Toth									
750 Greenfield Parkway, Garner, NC 27529 	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> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE						
REVISIONS	INIT.	DATE									

MATCHLINE - SHEET UMR-78

MATCHLINE - SHEET UMR-64



27'-3"	NEUT I & SEC 1 (BS)	
26'-4"	OWS 1	11"
25'-9"	AGUY	7"
25'-3"	OWS 2	6"
24'-10"	PWRRSR	5"
23'-2"	DL	20"
NCDOT PROP 22'-0"	CATV	14"

- DUKE EXTEND PWRRSR TO OWS 2 (25'-3")
- DUKE RETUCK DL
- CATV LOWER TO 5' BELOW OWS 2 (21'-0")

NCDOT & DGUY PROP 36'-0"	NEUT & SEC	
32'-8"	CATV	58"
31'-2"	CLINK	13"

27'-0"	OWS 3	
26'-6"	AGUY	6"
25'-7"	STLT	11"
25'-1"	PWRRSR	6"
NCDOT & DGUY PROP 22'-6"	CATV	43"
20'-3"	CLINK	15"

- DUKE EXTEND PWRRSR TO AGUY (26'-6")

1. CATV LOWER TO 52" BELOW PWRRSR (20'-0")

CLINK NEEDS TO ATTACH 64" BELOW PWRRSR (19'-0")

25'-6"	NEUT	
25'-0"	DGUY	6"
24'-4"	PWRRSR	8"
21'-9"	CATV	31"

1. DUKE RAISE STLT TO 30" BELOW NEUT & DGUY (26'-0")

28'-6"	NEUT & DGUY 1	
NCDOT & DGUY PROP 25'-0"	STLT	42"
23'-10"	CATV 1	14"
23'-4"	CATV 2 & DGUY 2	6"
22'-3"	CLINK & DGUY 3	13"

26'-4"	NEUT & SEC 1	
24'-8"	TFMR 1	20"
23'-1"	TFMR 2	19"
22'-10"	SEC 2	3"
NCDOT PROP 21'-1"	CATV	37"
19'-9"	AT&T	15"

1. DUKE RAISE SEC 2 TO 23" BELOW NEUT & SEC 1 (24'-5")

28'-2"	NEUT & SEC	
27'-0"	STLT	14"
26'-6"	TFMR	6"
25'-11"	DL	7"
NCDOT PROP 22'-7"	CATV	52"
20'-4"	CLINK	15"

30'-5"	NEUT & SEC 1	
30'-0"	SEC 2 & SEC 3 (BS)	5"
29'-2"	TFMR 1	10"
28'-10"	TFMR 2	4"
27'-9"	DL	13"
26'-6"	CATV & DGUY	15"
NCDOT PROP 24'-5"	CLINK	79"

1. CATV LOWER TO 84" BELOW NEUT & SEC 1 (23'-5")

CLINK NEEDS TO RAISE TO 96" BELOW NEUT & SEC 1 (22'-5") TO ACHIEVE PROPER CLEARANCE OVER BROAD STREET

26'-8"	NEUT & SEC 1 & SEC 2 (BS)	
25'-5"	TFMR & PWRRSR	15"
24'-5"	DL	12"
21'-5"	CATV	36"
NCDOT PROP 20'-9"	CLINK	8"

- CLINK LOWER TO 80" BELOW TFMR & PWRRSR (18'-9")
- CATV LOWER TO 68" BELOW TFMR & PWRRSR (19'-9")

<table border="1"> <tr><td>34'-5"</td><td>NEUT & SEC</td><td></td></tr> <tr><td>33'-0"</td><td>TFMR</td><td>17"</td></tr> <tr><td>31'-10"</td><td>STLT</td><td>14"</td></tr> <tr><td>30'-9"</td><td>ARLT</td><td>13"</td></tr> <tr><td>29'-6"</td><td>LIC & AGUY</td><td>15"</td></tr> <tr><td>28'-6"</td><td>CATV</td><td>12"</td></tr> <tr><td>NCDOT PROP 27'-4"</td><td>NCDOT & DGUY</td><td>14"</td></tr> <tr><td>27'-0"</td><td>SVRSR</td><td>4"</td></tr> <tr><td>26'-3"</td><td>SIG</td><td>9"</td></tr> <tr><td>25'-6"</td><td>SIGRSR</td><td>9"</td></tr> <tr><td>25'-4"</td><td>NCDOT RSR</td><td>2"</td></tr> </table> <p>1. NCDOT EXTEND SVRSR TO 45" BELOW NEUT & SEC (30'-8")</p> <p>2. NCDOT LOWER LIC TO SIG (26'-3")</p> <p>KEEP AGUY AT 29'-6"</p>	34'-5"	NEUT & SEC		33'-0"	TFMR	17"	31'-10"	STLT	14"	30'-9"	ARLT	13"	29'-6"	LIC & AGUY	15"	28'-6"	CATV	12"	NCDOT PROP 27'-4"	NCDOT & DGUY	14"	27'-0"	SVRSR	4"	26'-3"	SIG	9"	25'-6"	SIGRSR	9"	25'-4"	NCDOT RSR	2"	<table border="1"> <tr><td>33'-4"</td><td>TOP</td><td></td></tr> <tr><td>NCDOT PROP 33'-0"</td><td>LIC 1</td><td>14"</td></tr> <tr><td>32'-2"</td><td>LIRSR</td><td>5"</td></tr> <tr><td>31'-4"</td><td>LIC 2</td><td>5"</td></tr> </table>	33'-4"	TOP		NCDOT PROP 33'-0"	LIC 1	14"	32'-2"	LIRSR	5"	31'-4"	LIC 2	5"
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34'-1"	TOP	
32'-7"	LIC	18"
27'-5"	SVRSR	62"
26'-0"	SIG & SEC	17"
25'-6"	SWGUY	6"
25'-3"	SIGRSR	3"
21'-2"	ANTENNA	49"

- NCDOT DURING CONSTRUCTION REPLACE WITH 5' TALLER POLE (45")
- NCDOT PROP ATTACH 40" BELOW PWR

35'-5"	NEUT	
35'-3"	DGUY	2"
NCDOT PROP 31'-11"	CATV 1 & DGUY	160"
21'-11"	CATV 2	1"
20'-7"	CLINK 1	15"
19'-6"	CLINK 2 & DGUY	13"

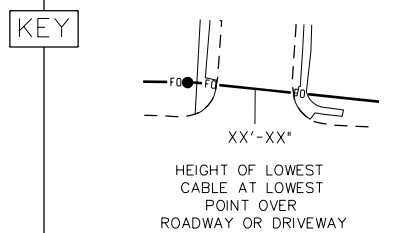
NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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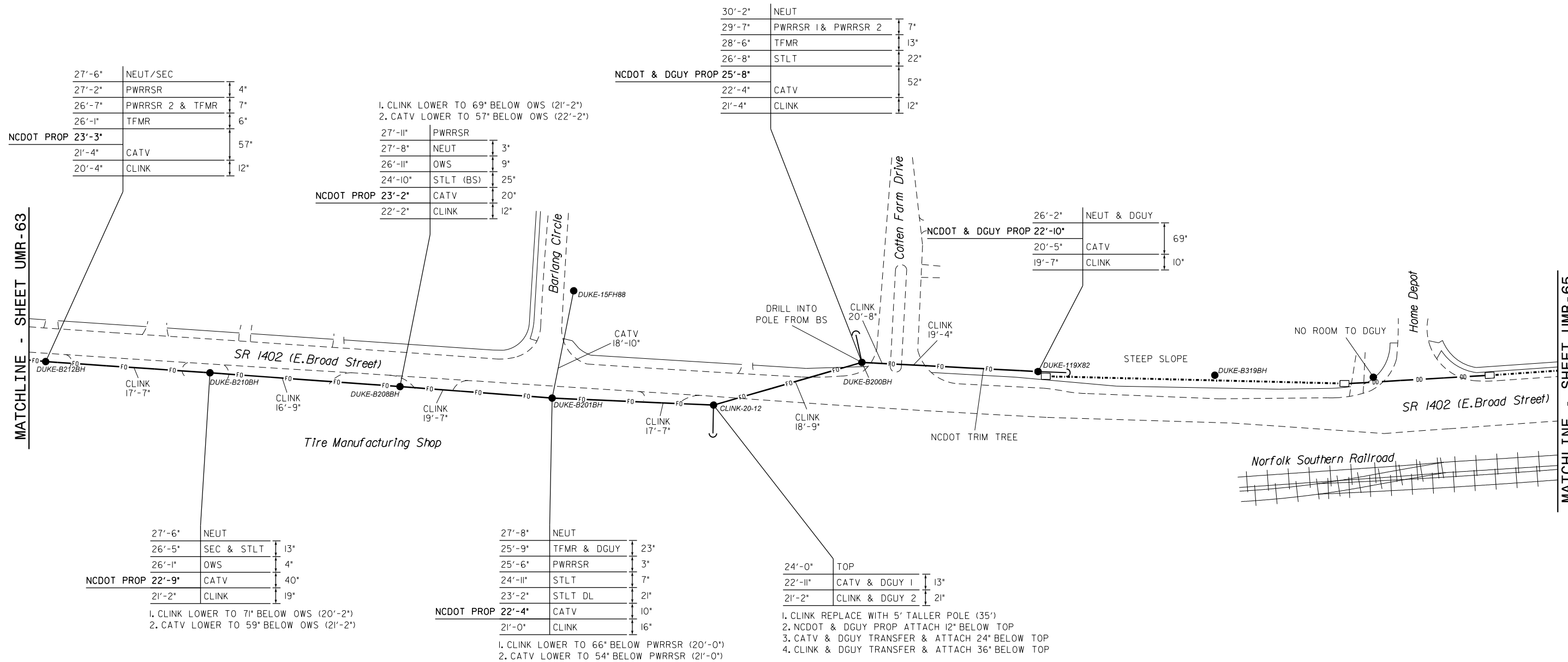
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
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| CLINK | Century Link |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

	<p>Fuquay-Varina Signal System Utility Make Ready Plans</p>									
	<p>Division 5 Wake County Fuquay-Varina</p> <p>PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion</p> <p>PREPARED BY: JT Stiff REVIEWED BY: MB Toth</p>	<table border="1"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE					
REVISIONS	INIT.	DATE								
<p>750 Greenfield Parkway, Garner, NC 27529</p> <p>SCALE 0 50 1"=50'</p>	<p>CADD Filename: UMR-063.dgn</p>									



27'-6"	NEUT/SEC	
27'-2"	PWRRSR	4"
26'-7"	PWRRSR 2 & TFMR	7"
26'-1"	TFMR	6"
NCDOT PROP 23'-3"		57"
21'-4"	CATV	
20'-4"	CLINK	12"

1. CLINK LOWER TO 69" BELOW OWS (21'-2")
2. CATV LOWER TO 57" BELOW OWS (22'-2")

27'-11"	PWRRSR	
27'-8"	NEUT	3"
26'-11"	OWS	9"
24'-10"	STLT (BS)	25"
NCDOT PROP 23'-2"	CATV	20"
22'-2"	CLINK	12"

30'-2"	NEUT	
29'-7"	PWRRSR 1 & PWRRSR 2	7"
28'-6"	TFMR	13"
26'-8"	STLT	22"
NCDOT & DGUY PROP 25'-8"		52"
22'-4"	CATV	
21'-4"	CLINK	12"

26'-2"	NEUT & DGUY	
NCDOT & DGUY PROP 22'-10"		69"
20'-5"	CATV	
19'-7"	CLINK	10"

27'-6"	NEUT	
26'-5"	SEC & STLT	13"
26'-1"	OWS	4"
NCDOT PROP 22'-9"	CATV	40"
21'-2"	CLINK	19"

1. CLINK LOWER TO 7" BELOW OWS (20'-2")
2. CATV LOWER TO 59" BELOW OWS (21'-2")

27'-8"	NEUT	
25'-9"	TFMR & DGUY	23"
25'-6"	PWRRSR	3"
24'-11"	STLT	7"
23'-2"	STLT DL	21"
NCDOT PROP 22'-4"	CATV	10"
21'-0"	CLINK	16"

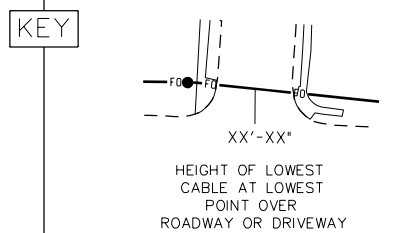
1. CLINK LOWER TO 66" BELOW PWRRSR (20'-0")
2. CATV LOWER TO 54" BELOW PWRRSR (21'-0")

24'-0"	TOP	
22'-11"	CATV & DGUY 1	13"
21'-2"	CLINK & DGUY 2	21"

1. CLINK REPLACE WITH 5' TALLER POLE (35')
2. NCDOT & DGUY PROP ATTACH 12" BELOW TOP
3. CATV & DGUY TRANSFER & ATTACH 24" BELOW TOP
4. CLINK & DGUY TRANSFER & ATTACH 36" BELOW TOP

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX' - XX"	XXXXXX	XX"
XX' - XX"	XXXXXX	XX"
XX' - XX"	XXXXXX	XX"
XX' - XX"	XXXXXX	XX"



AT&T	AT&T
CATV	Cable Television (Spectrum)
CCTV	Closed-Circuit Television
CLINK	Century Link
COUNTY	Wake County
DUKE	Duke Energy
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UNK	Unknown Utility Owner
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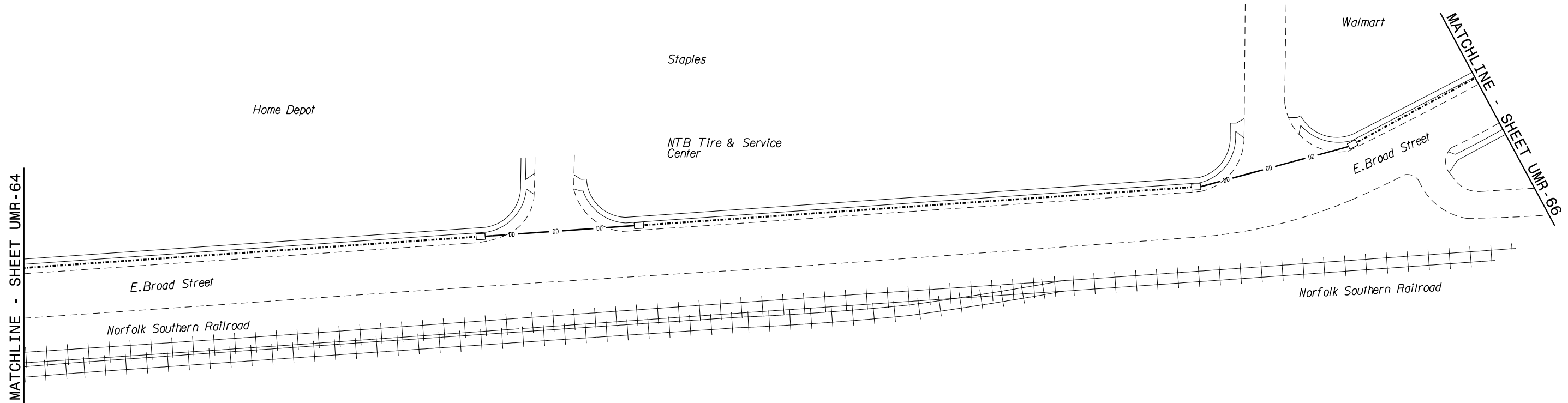
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: MB Toth	REVISIONS INIT. DATE
	CADD Filename: UMR-064.dgn	

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 STIF-4685 At LUS911085



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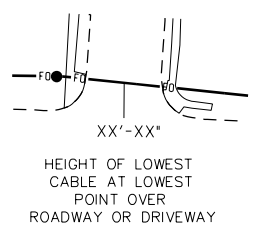
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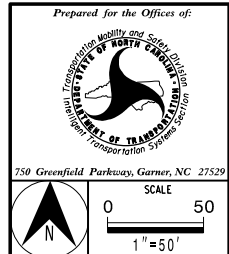
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



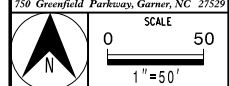
- | | |
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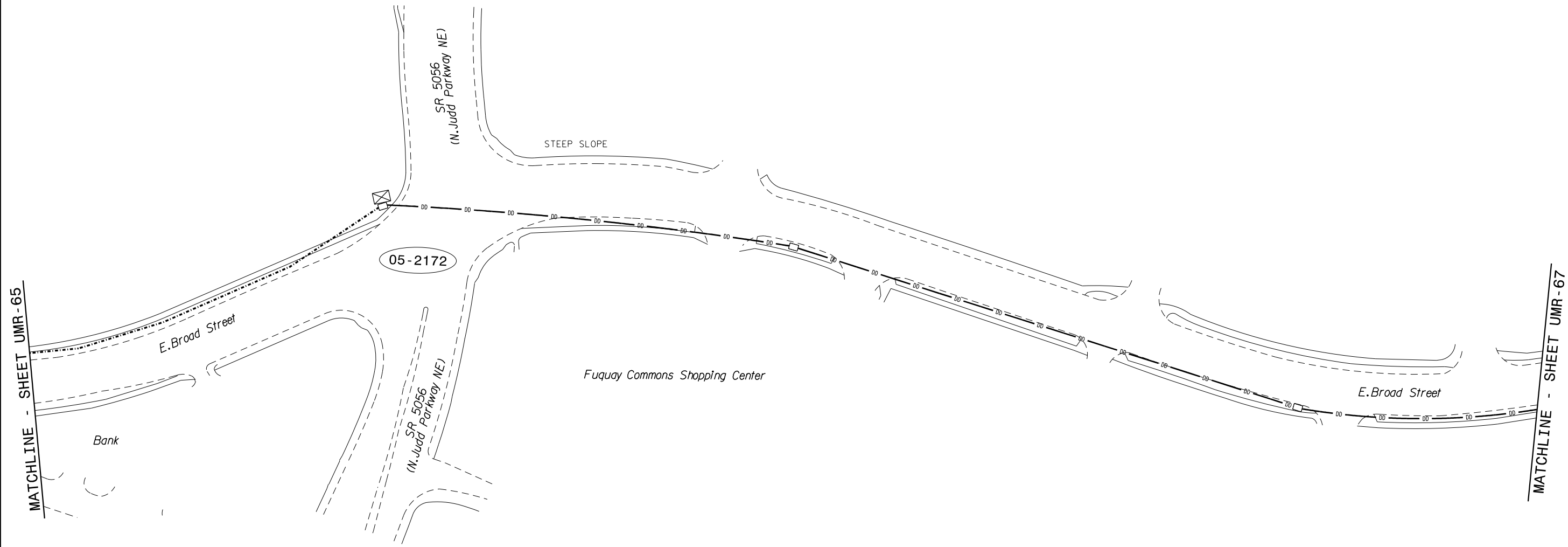


Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

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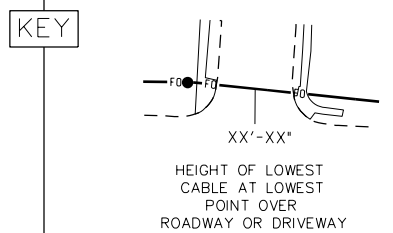
NO UMR WORK THIS SHEET

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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
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Fuquay-Varina Signal System Utility Make Ready Plans

Division 5 Wake County Fuquay-Varina

PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth

REVISIONS	INIT.	DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE
0 50
1"=50'

CADD Filename: UMR-066.dgn

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MATCHLINE - SHEET UMR-66

E. Broad Street

SR 1301 (Sunset Lake Road)

SR 1301 (Sunset Lake Road)

Products Road

SR 1431 (Products Road)

05-2173

05-1544

32'-8"	NEUT & SEC	
31'-5"	TFMR	15"
31'-3"	DL	2"
27'-11"	CATV	40"
NCDOT PROP 26'-11"		

28'-0"	NEUT	
27'-4"	PWRRSR	8"
23'-11"	CATV	41"
NCDOT PROP 22'-11"		

26'-7"	NEUT (BS) & SEC	
26'-1"	SEC (BS)	6"
26'-0"	PWRRSR	1"
25'-2"	TFMR	10"
22'-8"	SIG FLYGUY & DGUY	30"
21'-2"	CATV & MSGR	18"
NCDOT & DGUY PROP 20'-2"		

31'-4"	NEUT	
26'-2"	SIG 1	62"
25'-10"	SIG 2	4"
25'-4"	DGUY 1	6"
25'-1"	DGUY 2	3"
23'-0"	CATV	25"
NCDOT PROP 22'-0"		

32'-7"	NEUT	
28'-0"	CATV	55"
NCDOT PROP 27'-0"		

27'-4"	NEUT (BS)	
23'-10"	CATV (BS)	56"
NCDOT PROP (BS) 22'-8"		
I. CATV (BS) RAISE TO 44" BELOW NEUT (BS) (23'-8")		

28'-4"	NEUT (BS)	
23'-10"	CATV (BS)	54"
NCDOT & DGUY PROP		
I. CATV (BS) RAISE TO 42" BELOW NEUT (BS) (24'-10")		

DUKE-B105BH

DUKE-11B562

DUKE-11B562

DUKE-B110BH

DUKE-6000A

DUKE-B500BH

DUKE-B501BH

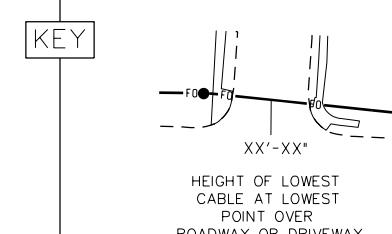
CATV MSGR 18'-9"

NCDOT TRIM TREE

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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



AT&T	AT&T
CATV	Cable Television (Spectrum)
CCTV	Closed-Circuit Television
CLINK	Century Link
COUNTY	Wake County
DUKE	Duke Energy
NCDOT	North Carolina Department of Transportation
PNG	Piedmont Natural Gas
SP	Signal Pole (NCDOT)
TOWN	Town of Fuquay-Varina
UNK	Unknown Utility Owner
VZN	Verizon

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

750 Greenfield Parkway, Garner, NC 27529

1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:

Seal of the State of North Carolina

Fuquay-Varina Signal System Utility Make Ready Plans

Division 5		Wake County	Fuquay-Varina
PLAN DATE:	April 2022	REVIEWED BY:	AM Encarnacion
PREPARED BY:	JT Stiff	REVIEWED BY:	MB Toth
REVISIONS		INIT.	DATE

SCALE
0 50
1"=50'

CADD Filename: UMR-067.dgn

I. NCDOT LOWER TO 102' BELOW NEUT (BS) (23'-10")

CATV NEEDS TO LOWER TO 90' BELOW NEUT (BS) (24'-10")

32'-4"	NEUT (BS)	
29'-6"	STLT (BS)	34"
26'-9"	CATV	33"
25'-10"	NCDOT	11"

I. NCDOT ATTACH 12" BELOW CATV (22'-2")

30'-4"	NEUT	
29'-8"	SEC	8"
23'-2"	CATV	78"

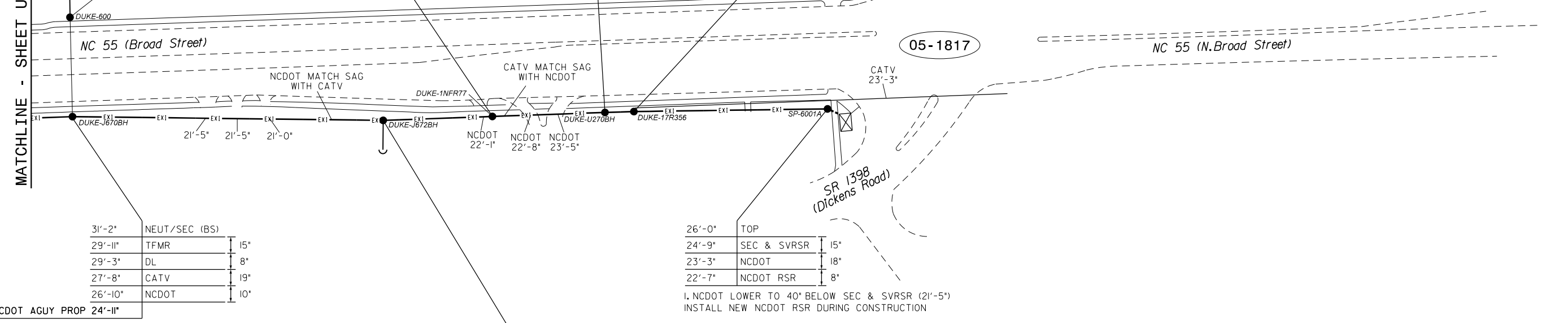
I. NCDOT (BS) LOWER TO 73' BELOW NEUT (BS) (19'-7") & INSTALL BOLT CLAMP

CATV NEEDS TO LOWER TO 6' BELOW NEUT (BS) (20'-7")

25'-8"	NEUT (BS)	
24'-11"	PWRRSR 1 & PWRRSR 2	9"
24'-0"	DL	11"
22'-1"	CATV (BS)	23"
20'-11"	NCDOT (BS)	14"

I. NCDOT AGUY & DGUY PROP ATTACH 52" BELOW PWR AGUY

MATCHLINE - SHEET UMR-69



31'-2"	NEUT/SEC (BS)	
29'-11"	TFMR	15"
29'-3"	DL	8"
27'-8"	CATV	19"
26'-10"	NCDOT	10"

I. NCDOT LOWER TO 75' BELOW NEUT/SEC (BS) (24'-11")

CATV NEEDS TO LOWER TO 63' BELOW NEUT/SEC (BS) (25'-11")

26'-0"	TOP	
24'-9"	SEC & SVRSR	15"
23'-3"	NCDOT	18"
22'-7"	NCDOT RSR	8"

I. NCDOT LOWER TO 40' BELOW SEC & SVRSR (21'-5")
INSTALL NEW NCDOT RSR DURING CONSTRUCTION

28'-10"	NEUT/SEC	
24'-6"	CATV	52"

I. NCDOT TRANSFER & ATTACH 12" BELOW CATV (23'-6")

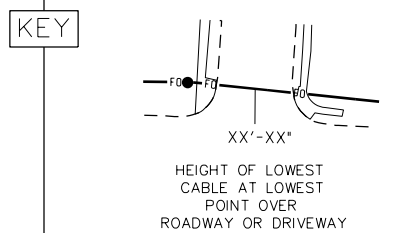
NCDOT AGUY PROP 24'-11"

NUMBERED NOTES ARE PROPOSED MAKE READY WORK ITEMS TO ESTABLISH POLE ATTACHMENT HEIGHTS AND SPACING AND ROADWAY/DRIVEWAY CLEARANCES WHICH ARE IN COMPLIANCE WITH THE NATIONAL ELECTRIC SAFETY CODES (NESC).

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

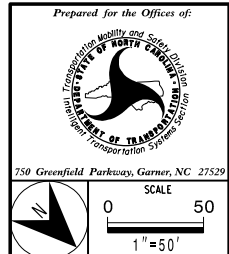
EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
- TOWN Town of Fuquay-Varina
- UNK Unknown Utility Owner
- VZN Verizon

ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

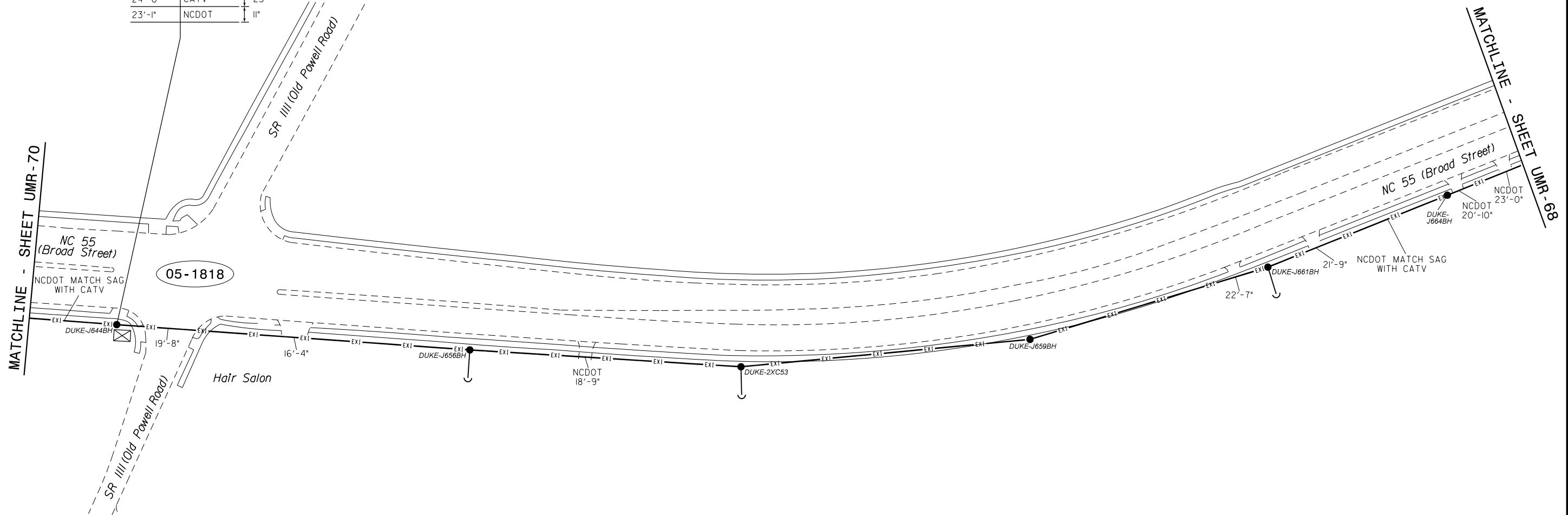


Fuquay-Varina Signal System Utility Make Ready Plans	
Division 5	Wake County
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth
REVISIONS	INIT. DATE

01-AUG-2022 12:09 P:\77\SD\05036143_wor\atkins.com\ATK\N\001\Documents\Roads and Bridges\Projects\100063288 Fuquay Varina\Task 10_UMR\UMR-068.dgn STIF-665 At LUS91085

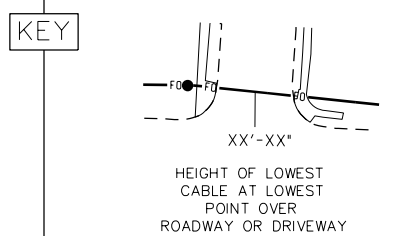
I. DUKE RETUCK DL

28'-0"	NEUT (BS)	
27'-8"	PWRRSR	4"
27'-4"	PWR DGUY	4"
25'-11"	DL	17"
24'-0"	CATV	23"
23'-1"	NCDOT	11"



ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- | | |
|--------|---|
| AT&T | AT&T |
| CATV | Cable Television (Spectrum) |
| CCTV | Closed-Circuit Television |
| CLINK | Century Link |
| COUNTY | Wake County |
| DUKE | Duke Energy |
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

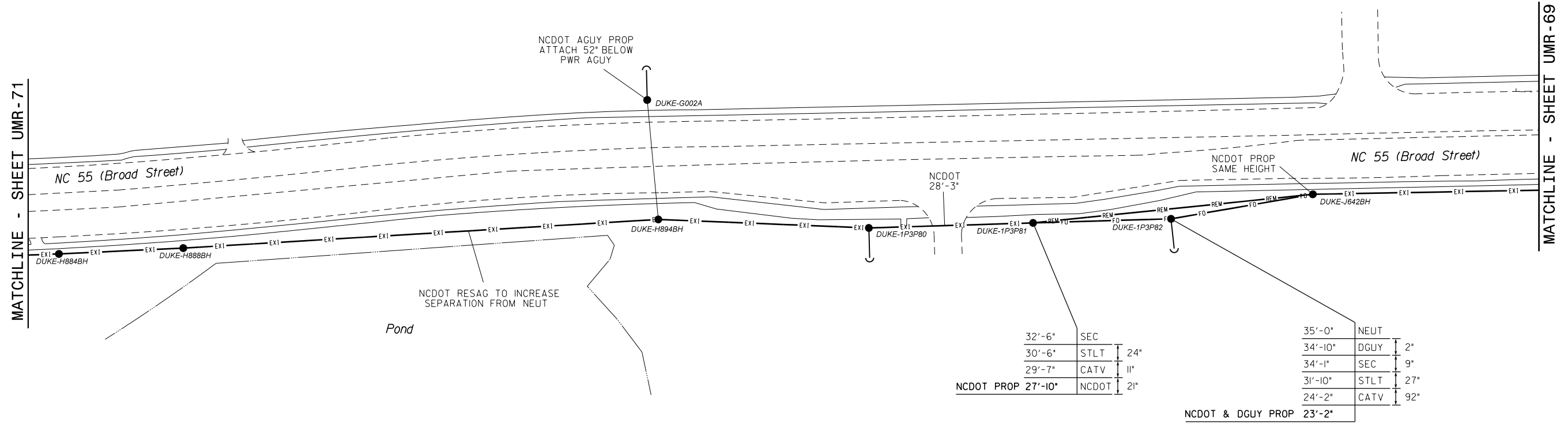
	<p>Fuquay-Varina Signal System Utility Make Ready Plans</p>										
	<p>Division 5 Wake County Fuquay-Varina</p>	<p>PLAN DATE: April 2022 REVIEWED BY: AM Encarnacion</p>									
<p>PREPARED BY: JT Stiff</p>	<p>REVIEWED BY: MB Toth</p>	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE						
REVISIONS	INIT.	DATE									

750 Greenfield Parkway, Garner, NC 27529

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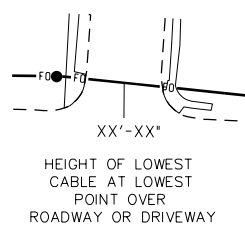
32'-6"	SEC		
30'-6"	STLT	24"	
29'-7"	CATV	11"	
NCDOT PROP 27'-10"	NCDOT	21"	
35'-0"	NEUT		
34'-10"	DGUY	2"	
34'-1"	SEC	9"	
31'-10"	STLT	27"	
24'-2"	CATV	92"	
NCDOT & DGUY PROP 23'-2"			

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
- COUNTY Wake County
- DUKE Duke Energy
- NCDOT North Carolina Department of Transportation
- PNG Piedmont Natural Gas
- SP Signal Pole (NCDOT)
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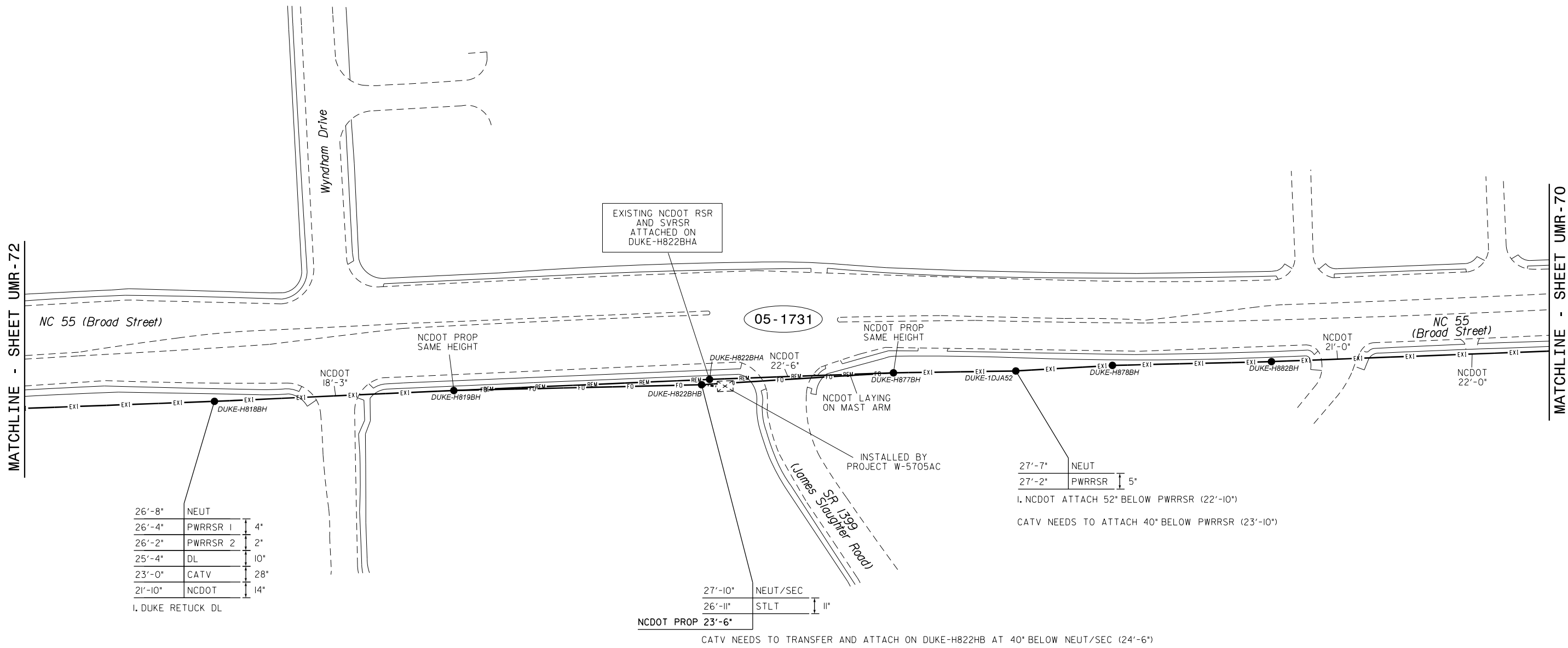
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ALL NEW FOC TO BE OVERLASHED TO EXISTING NCDOT UNLESS OTHERWISE INDICATED BY UTILITY TREE OR NOTE

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEEES #F-0326

	Fuquay-Varina Signal System Utility Make Ready Plans										
	Division 5 Wake County Fuquay-Varina PLAN DATE: April 2022 PREPARED BY: JT Stiff	REVIEWED BY: AM Encarnacion REVIEWED BY: MB Toth									
750 Greenfield Parkway, Garner, NC 27529 	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> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE						
REVISIONS	INIT.	DATE									



26'-8"	NEUT	
26'-4"	PWRRSR 1	4"
26'-2"	PWRRSR 2	2"
25'-4"	DL	10"
23'-0"	CATV	28"
21'-10"	NCDOT	14"

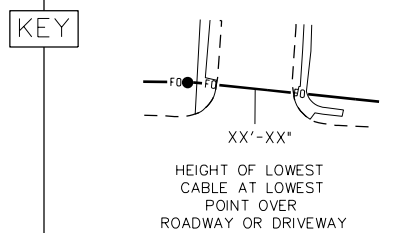
I. DUKE RETUCK DL

27'-7" NEUT
 27'-2" PWRRSR 5"
 I. NCDOT ATTACH 52" BELOW PWRRSR (22'-10")
 CATV NEEDS TO ATTACH 40" BELOW PWRRSR (23'-10")

27'-10" NEUT/SEC
 26'-11" STLT 11"
 NCDOT PROP 23'-6"
 CATV NEEDS TO TRANSFER AND ATTACH ON DUKE-H822HB AT 40" BELOW NEUT/SEC (24'-6")

ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



- AT&T AT&T
- CATV Cable Television (Spectrum)
- CCTV Closed-Circuit Television
- CLINK Century Link
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 (919) 876-6888 NCBEEES #F-0326

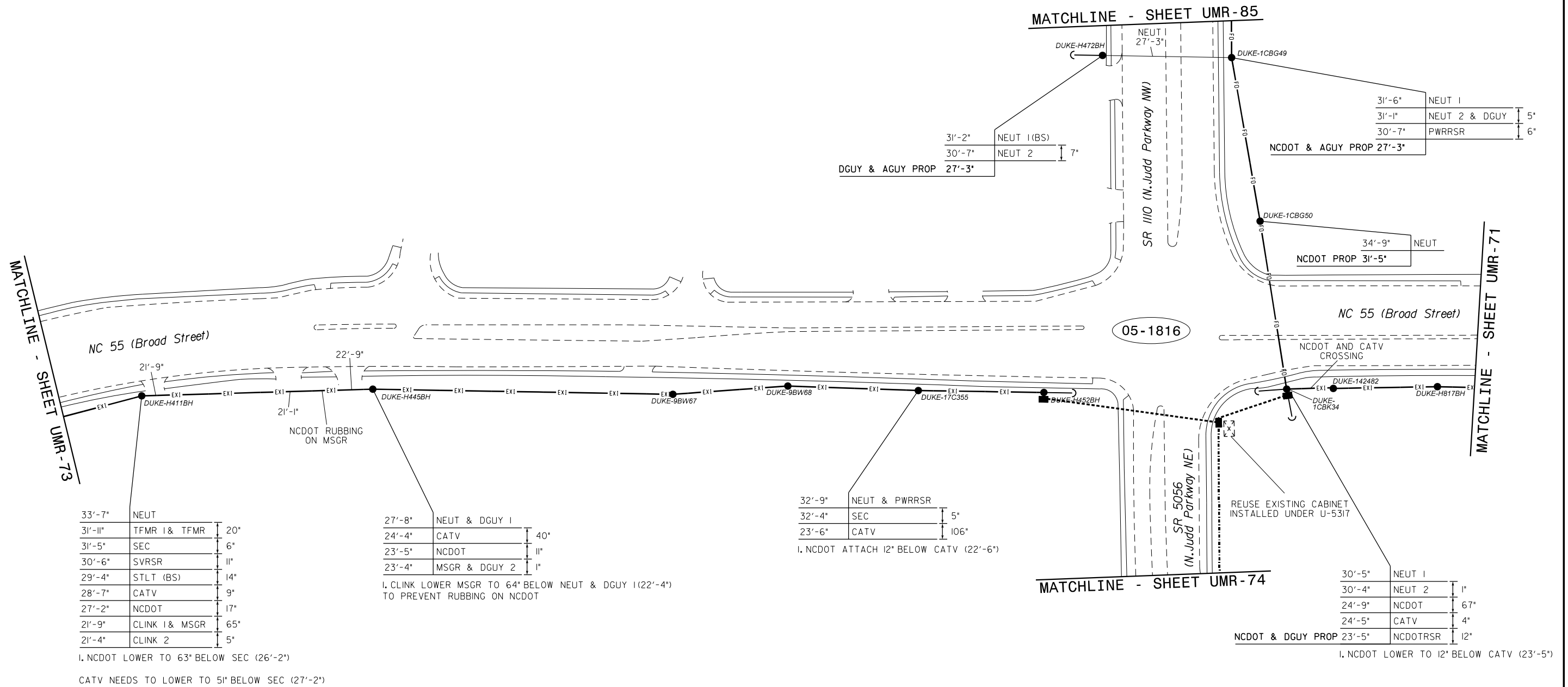
	Fuquay-Varina Signal System Utility Make Ready Plans	
	Division 5	Wake County Fuquay-Varina
	PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS		INIT. DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

CADD Filename: UMR-071.dgn

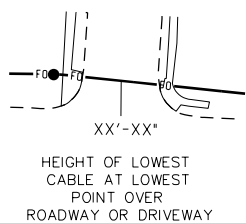
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 STIF-6685 At LUS91085



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EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"

KEY



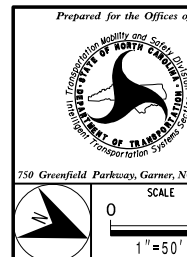
- | | |
|--------|---|
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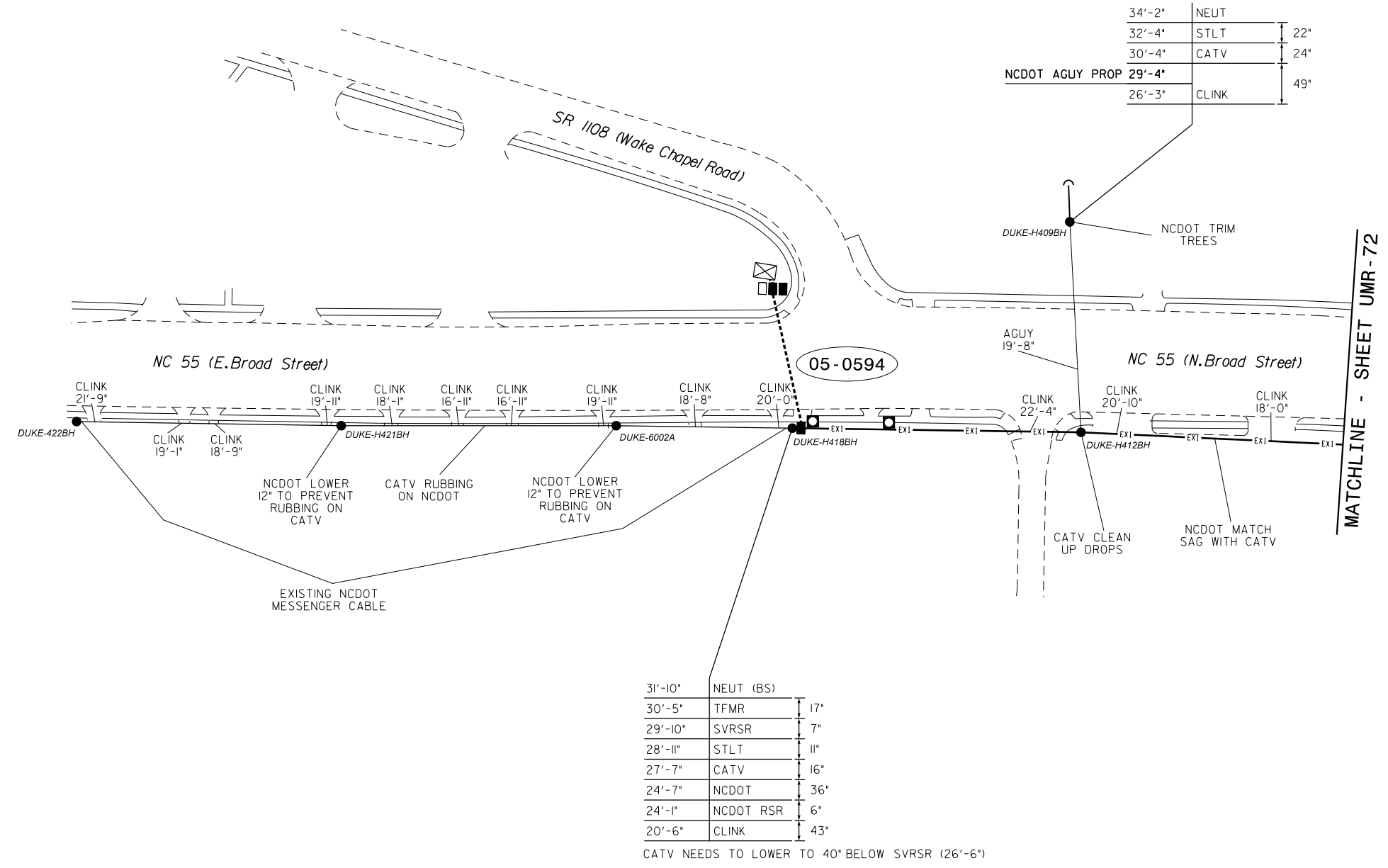
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEEES #F-0326



**Fuquay-Varina Signal System
Utility Make Ready Plans**

Division 5	Wake County	Fuquay-Varina
PLAN DATE: April 2022	REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff	REVIEWED BY: MB Toth	
REVISIONS	INIT.	DATE



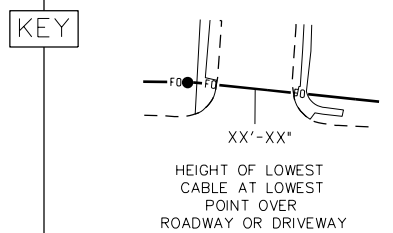
31'-10"	NEUT (BS)	
30'-5"	TFMR	17"
29'-10"	SVRSR	7"
28'-11"	STLT	11"
27'-7"	CATV	16"
24'-7"	NCDOT	36"
24'-1"	NCDOT RSR	6"
20'-6"	CLINK	43"

CATV NEEDS TO LOWER TO 40" BELOW SVRSR (26'-6")

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ATTACHMENTS ARE ON THE FRONT SIDE (FS) OF POLE, UNLESS OTHERWISE NOTED

EXISTING ATTACHMENT HEIGHT	UTILITY	EXISTING DIMENSION BETWEEN CABLES
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"
XX'-XX"	XXXXXX	XX"



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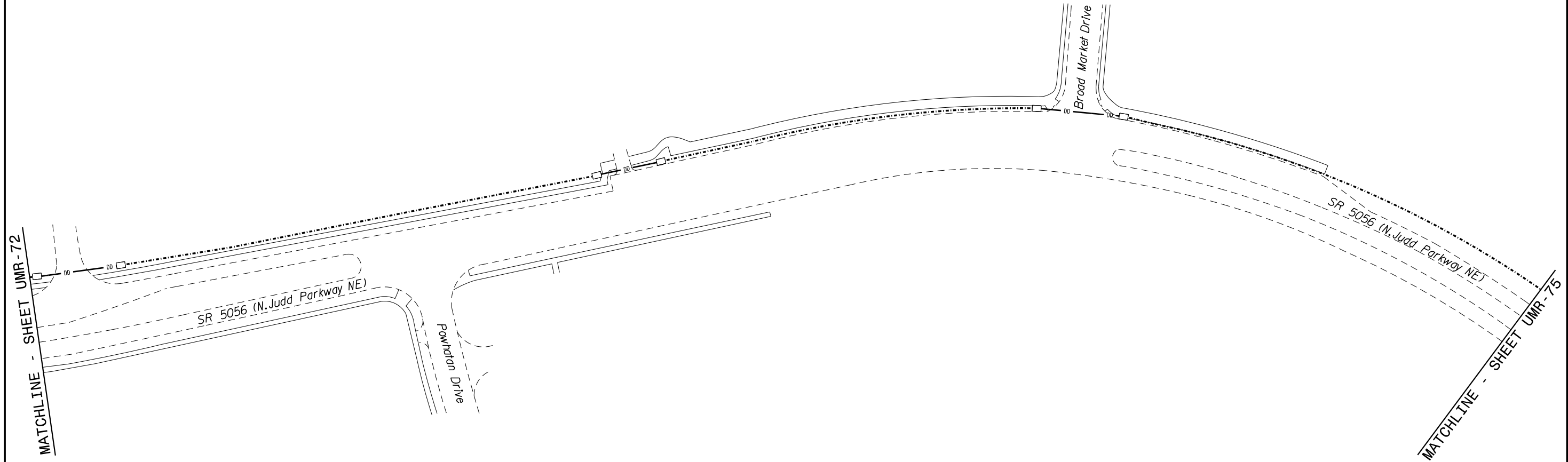
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
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		Fuquay-Varina Signal System Utility Make Ready Plans	
Prepared for the Offices of: STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		Division 5 Wake County Fuquay-Varina	
PLAN DATE:	April 2022	REVIEWED BY:	AM Encarnacion
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750 Greenfield Parkway, Garner, NC 27529

SCALE: 0 50 1"=50'

CADD Filename: UMR-073.dgn



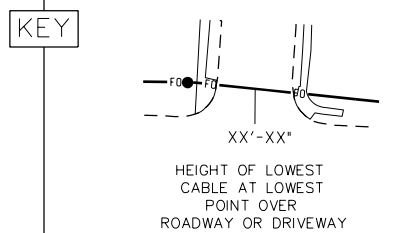
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(919) 876-6888 NCBES #F-0326

Division 5 Wake County Fuquay-Varina

Fuquay-Varina Signal System Utility Make Ready Plans

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SCALE
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1"=50'

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CADD Filename: UMR-074.dgn

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