

NOTES:  
 1. UNLESS OTHERWISE NOTED:  
 -OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.  
 -ATTACH NEW MESSENGER CABLE 40" BELOW POWER  
 -ATTACH ON FRONT SIDE (FS) OF POLE  
 2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX/CABINET ENTRANCES.  
 3. ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL.  
 CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN ON THESE PLANS.

1	NOT USED	15	DIRECTIONAL DRILL CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	43	NOT USED	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY	58	NOT USED
5	NOT USED	19	INSTALL CABLE(S) IN EXISTING RISER	33	NOT USED	47	INSTALL MESSENGER CABLE	59	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
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8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
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NUMBER OF CABLE(S) [XX] [XX] [XX] [XX]

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DIAMETER OF RISER(S)/CONDUIT(S) (INCH) [XX]

NEW/EXISTING CABLE [XX]

REMOVE/MODIFY CABLE [YY]

ATTACHMENT POINT [XX]

DISTANCE ABOVE (IN) REFERENCE POINT [YYYY]

REFERENCE POINT DISTANCE BELOW (IN) [XX]

Plans Prepared By:

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27513  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

### Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

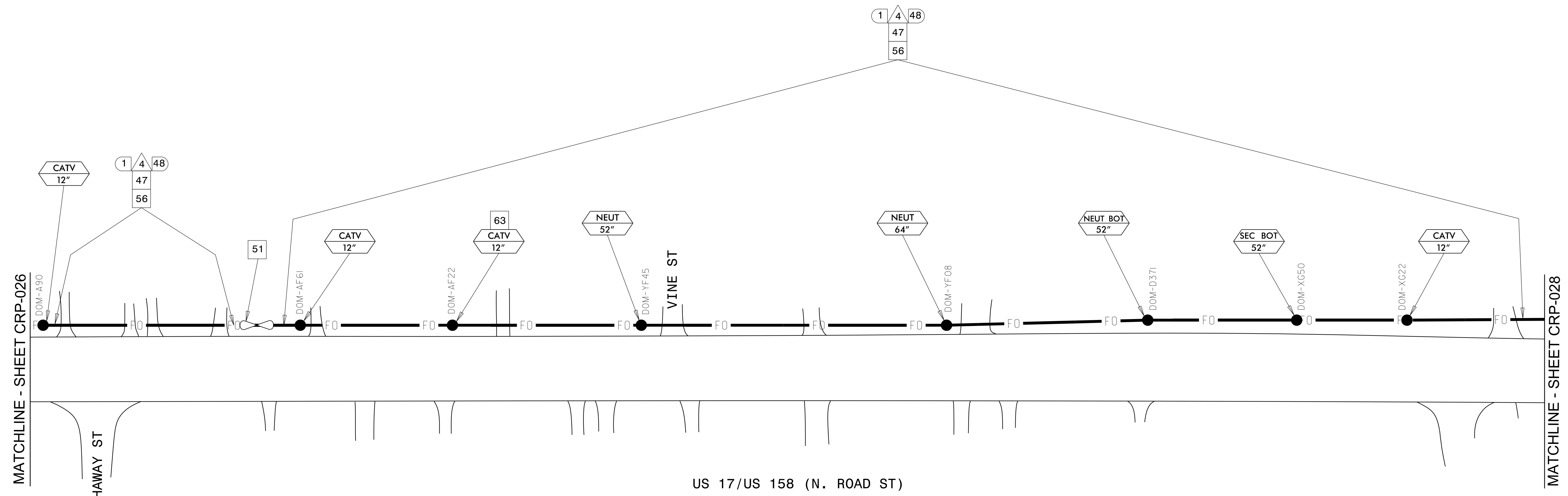
REVISIONS	INIT.	DATE

DocuSigned by:  
*Lisa M. Moon*  
8/22/2018

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CADD File name: CRP-026.dgn

SCALE: 0 50  
1" = 50'

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

**Plans Prepared By:**

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

**DRMP**

SEAL 022516

8/22/2018

DATE

CADD File name: CRP-027.dgn

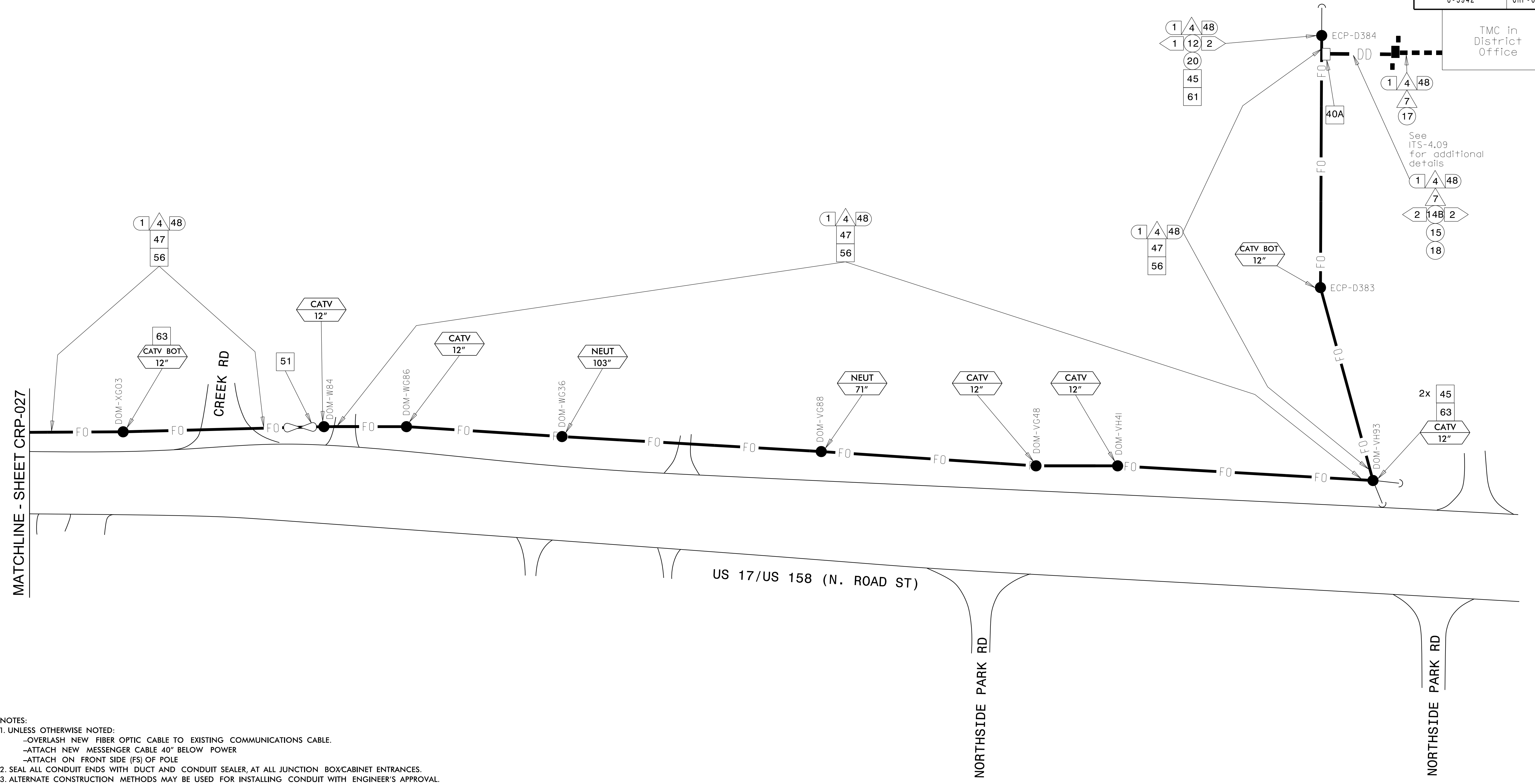
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TMC in District Office

See ITS-4.09 for additional details



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### Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

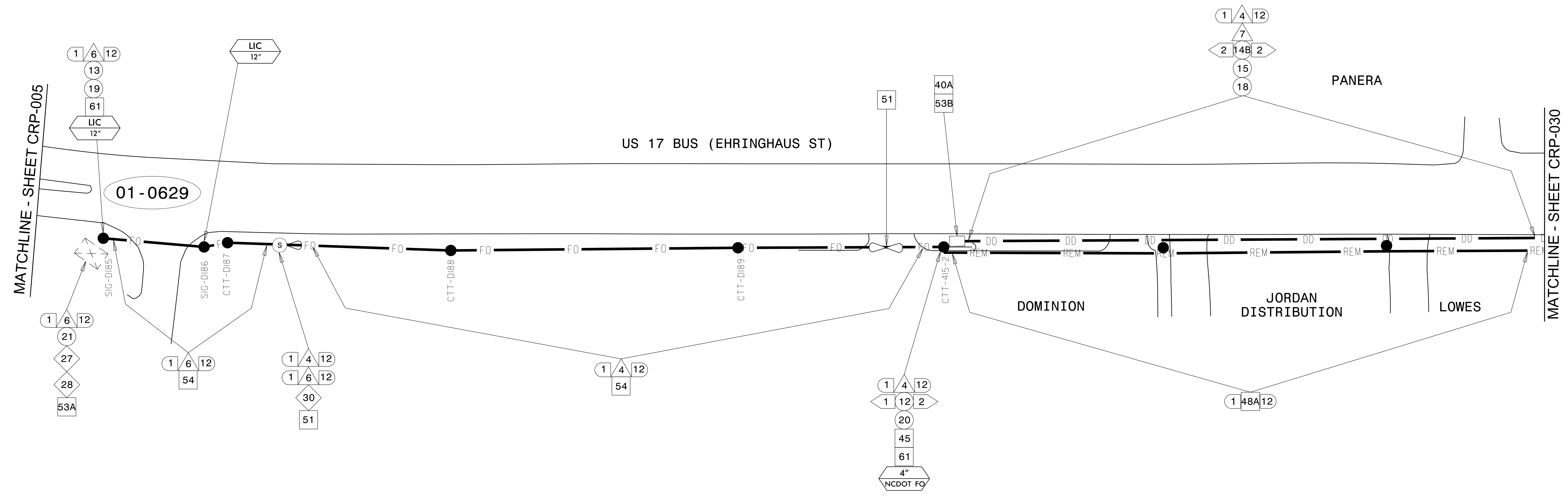
8/22/2018

SCALE: 1" = 50'

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

INIT. DATE

CADD File name: CRP-028.dgn



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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

PROFESSIONAL ENGINEER

SEAL 022516

LISSA M. MOON

8/22/2018

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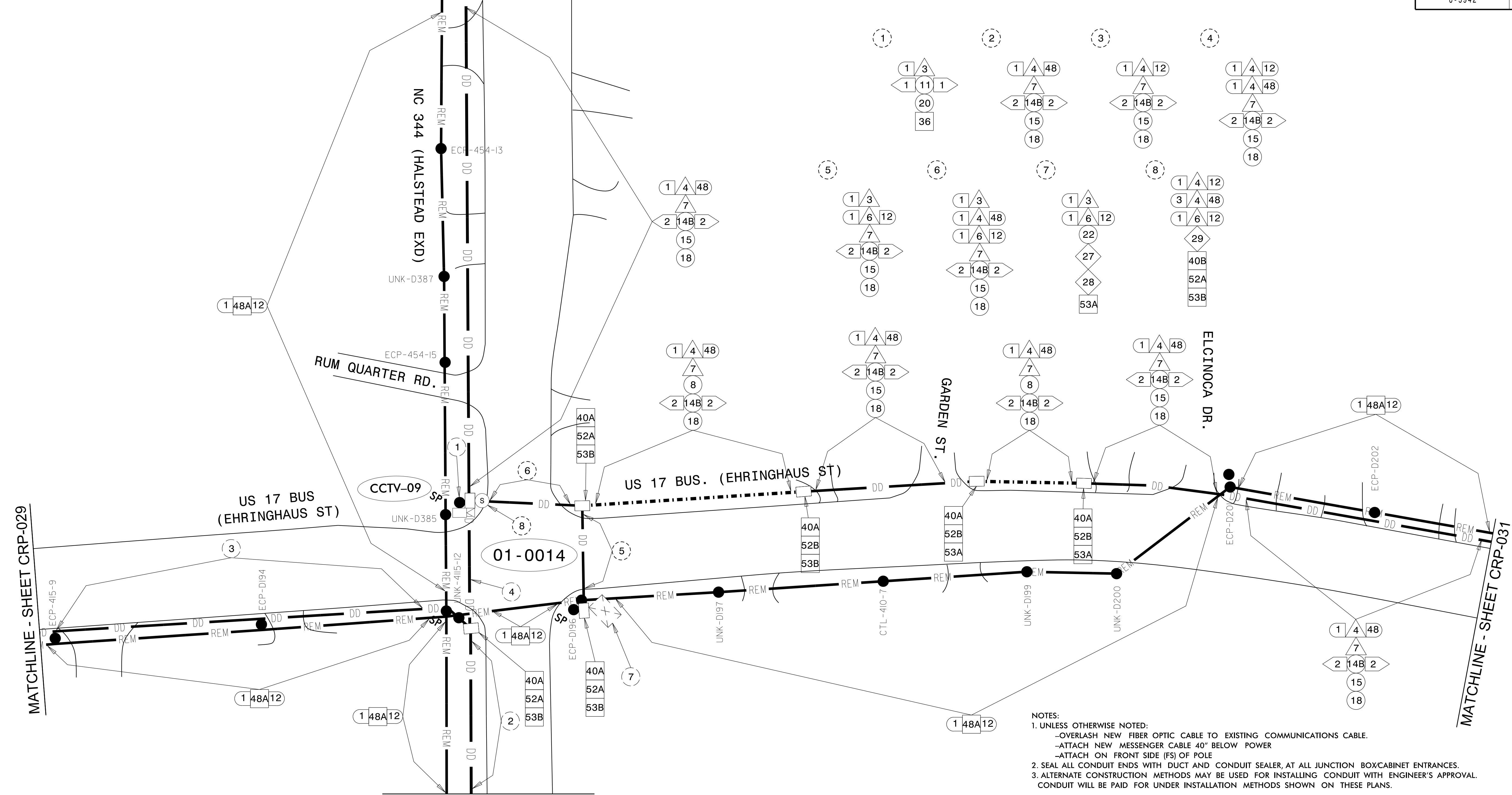
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MATCHLINE - SHEET CRP-008



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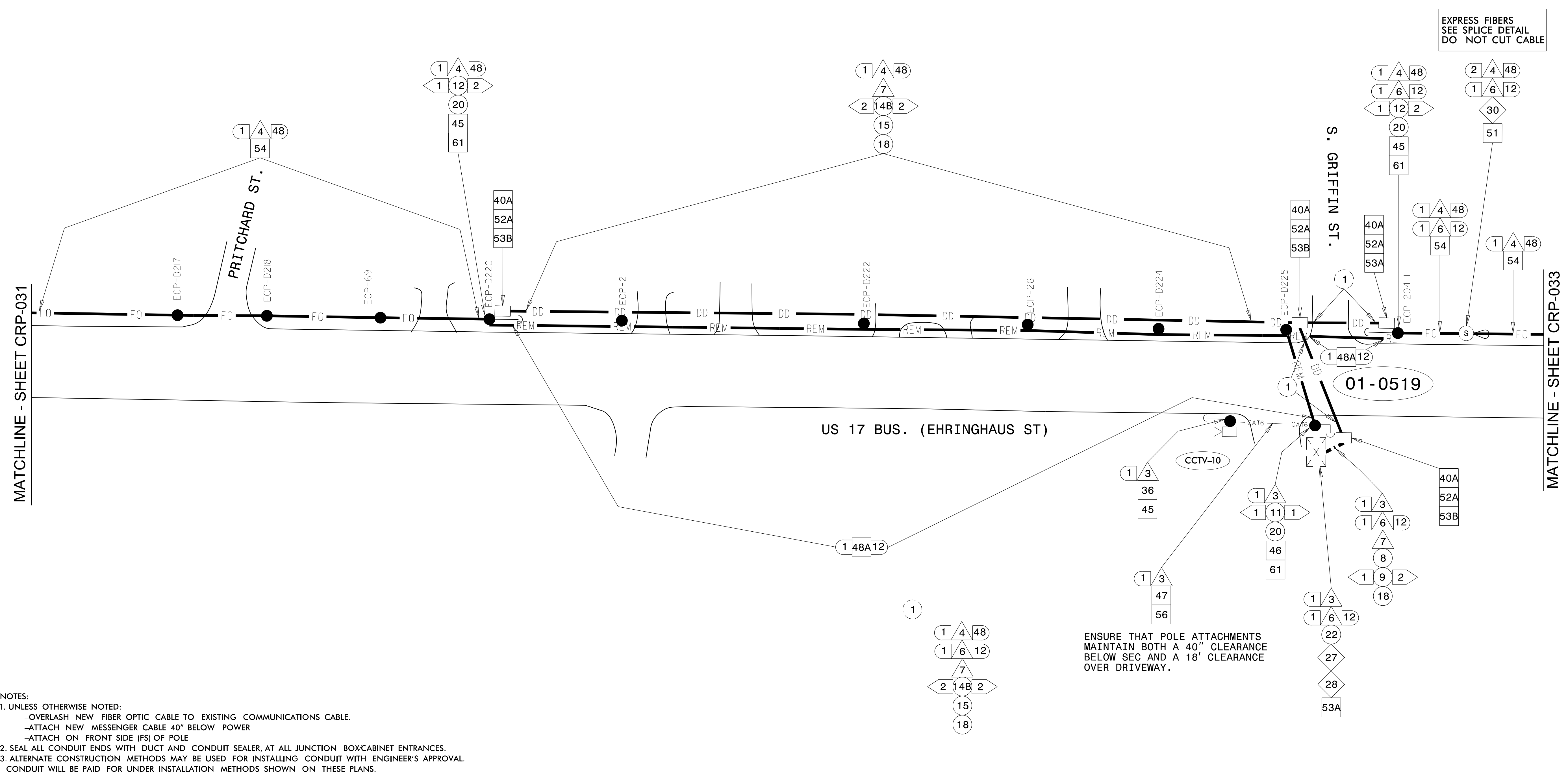
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 CADD File name: CRP-030.dgn

22-AUG-2018 10:55 AM C:\Users\lmoon\OneDrive\Documents\Projects\2018\CRP-030.dgn









EXPRESS FIBERS  
SEE SPLICE DETAIL  
DO NOT CUT CABLE

ENSURE THAT POLE ATTACHMENTS  
MAINTAIN BOTH A 40" CLEARANCE  
BELOW SEC AND A 18' CLEARANCE  
OVER DRIVEWAY.

- NOTES:
- UNLESS OTHERWISE NOTED:
    - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
    - ATTACH NEW MESSENGER CABLE 40" BELOW POWER
    - ATTACH ON FRONT SIDE (FS) OF POLE
  - SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX/CABINET ENTRANCES.
  - ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL. CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN ON THESE PLANS.

1	NOT USED	15	DIRECTIONAL DRILL CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	43	NOT USED	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY	58	NOT USED
5	NOT USED	19	INSTALL CABLE(S) IN EXISTING RISER	33	NOT USED	47	INSTALL MESSENGER CABLE	59	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE	61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
9	INSTALL PVC CONDUIT	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	37	INSTALL CCTV CAMERA 50' WOOD POLE	50	NOT USED	63	BOND MESSENGER CABLE TO POLE GROUND
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	38	NOT USED	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF EACH CABLE	64	INSTALL MOLDABLE DUCT SEAL
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12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26A	MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	52B	INSTALL JUNCTION BOX MARKER		
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NUMBER OF CABLE(S)

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBERS/TWISTED PAIRS

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

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

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

XXXXXXXX

YYYYYY

REFERENCE POINT DISTANCE BELOW (IN)

XXXXXX

Plans Prepared By:

**DRMP**

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27513  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE  
0 50  
1" = 50'

Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

PROFESSIONAL ENGINEER

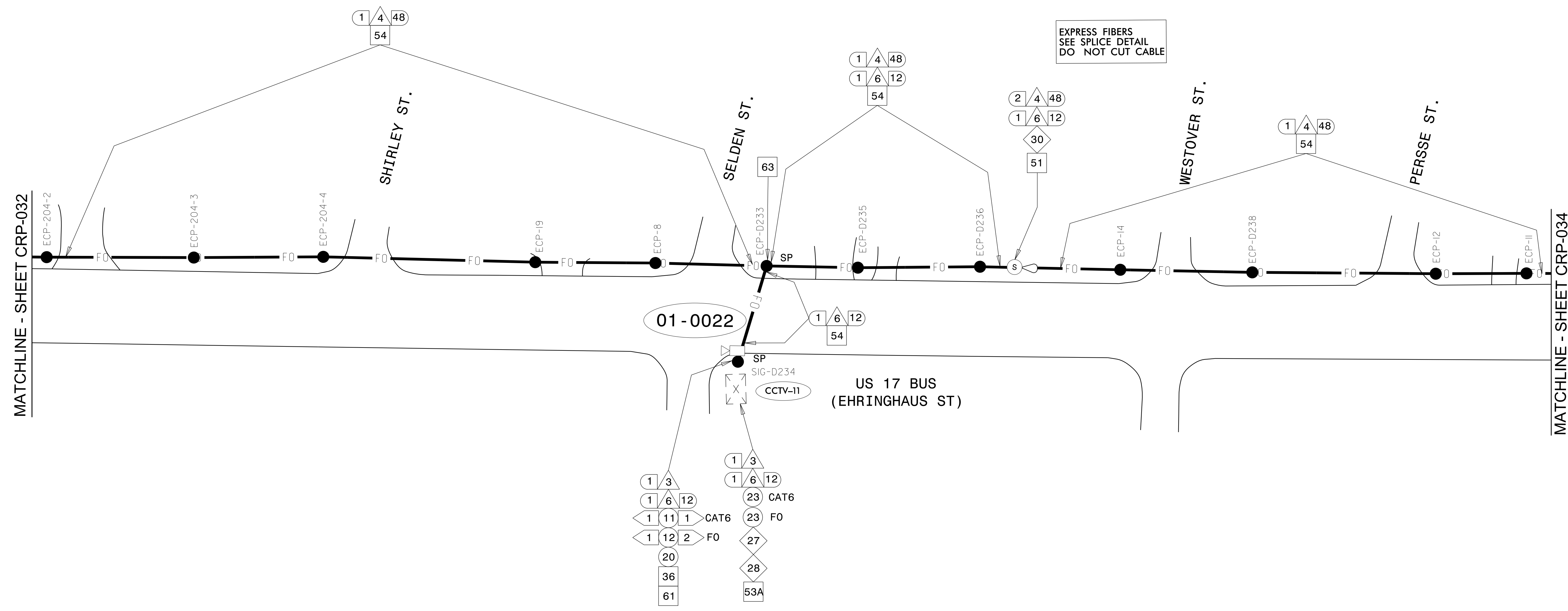
SEAL 022516

LISA M. MOON

8/22/2018

DATE

CADD File name: CRP-032.dgn



NOTES:  
 1. UNLESS OTHERWISE NOTED:  
 -OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.  
 -ATTACH NEW MESSENGER CABLE 40" BELOW POWER  
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NUMBER OF CABLE(S)

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBER/TWISTED PAIRS

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

DISTANCE BELOW (IN) REFERENCE POINT

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

Plans Prepared By:

**DRMP**

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27513  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS

INIT. DATE

SEAL

PROFESSIONAL ENGINEER

SEAL 022516

LISA M. MOON

DocuSigned by: Lisa M. Moon 8/22/2018

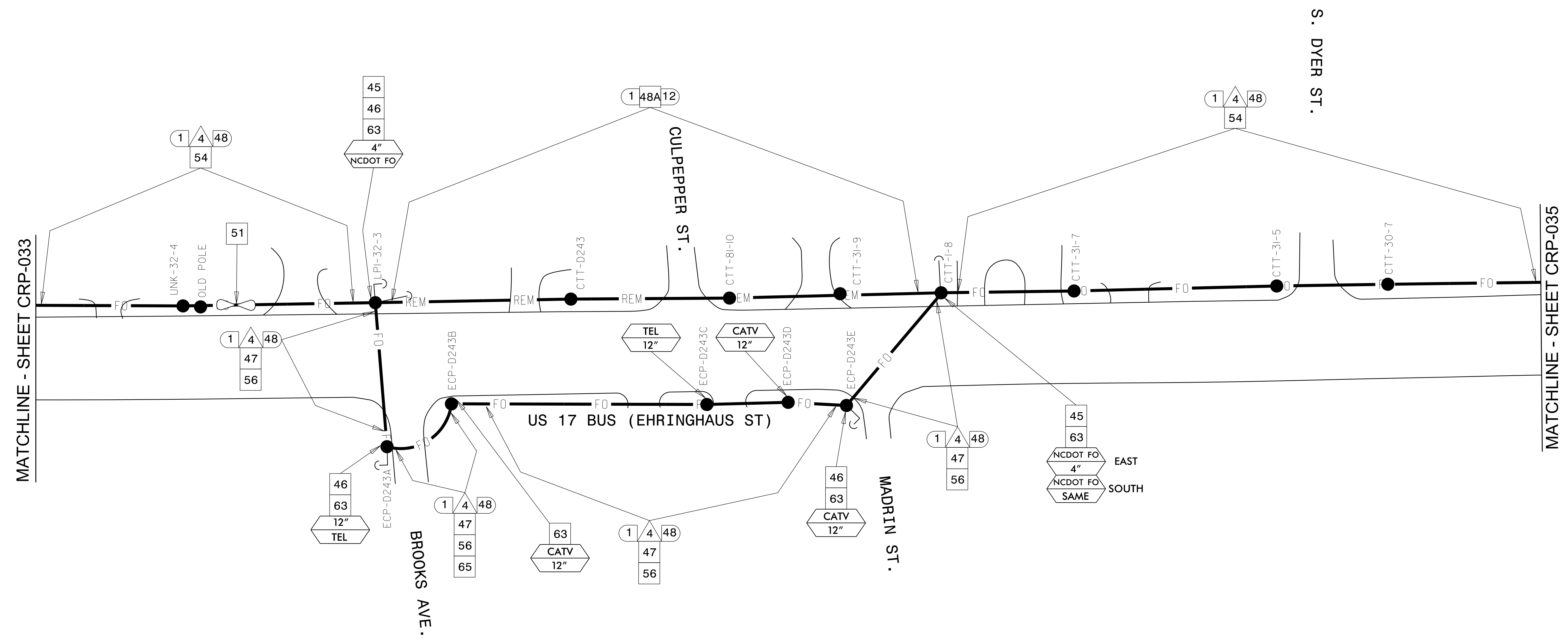
CADD File name: CRP-033.dgn

SCALE

0 50

1" = 50'





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NUMBER OF CABLE(S)

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NUMBER OF FIBER/TWISTED PAIRS

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ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

DISTANCE BELOW (IN) REFERENCE POINT

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

Plans Prepared By:

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27515  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

9/20/2018

DATE

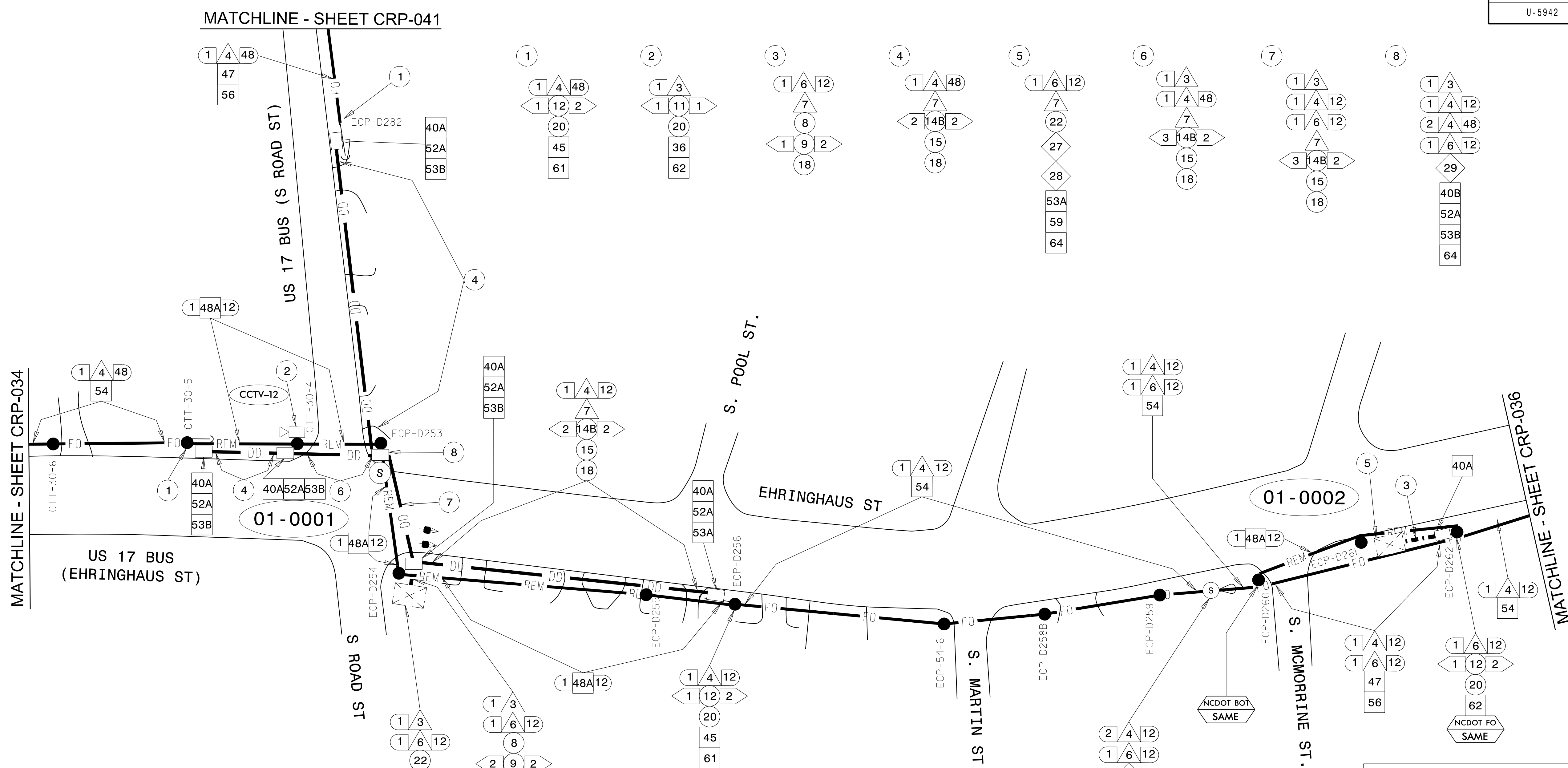
CADD File name: CRP-034.dgn

SCALE

0 50

1" = 50'





MATCHLINE - SHEET CRP-041

MATCHLINE - SHEET CRP-034

MATCHLINE - SHEET CRP-036

- NOTES:
- UNLESS OTHERWISE NOTED:
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    - ATTACH NEW MESSENGER CABLE 40" BELOW POWER
    - ATTACH ON FRONT SIDE (FS) OF POLE
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  - ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL. CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN ON THESE PLANS.

This area has been determined to contain properties with documented historic significance. If it is necessary to deviate from these plans in this area, alert the Engineer to contact Historic Architecture Group of the North Carolina Department of Transportation for an effects determination before proceeding.

EXPRESS FIBERS  
SEE SPLICE DETAIL  
DO NOT CUT CABLE

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

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REFERENCE POINT DISTANCE BELOW (IN)

Plans Prepared By:

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 1" = 50'

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

SEAL

PROFESSIONAL ENGINEER

SEAL 022516

LISA M. MOON

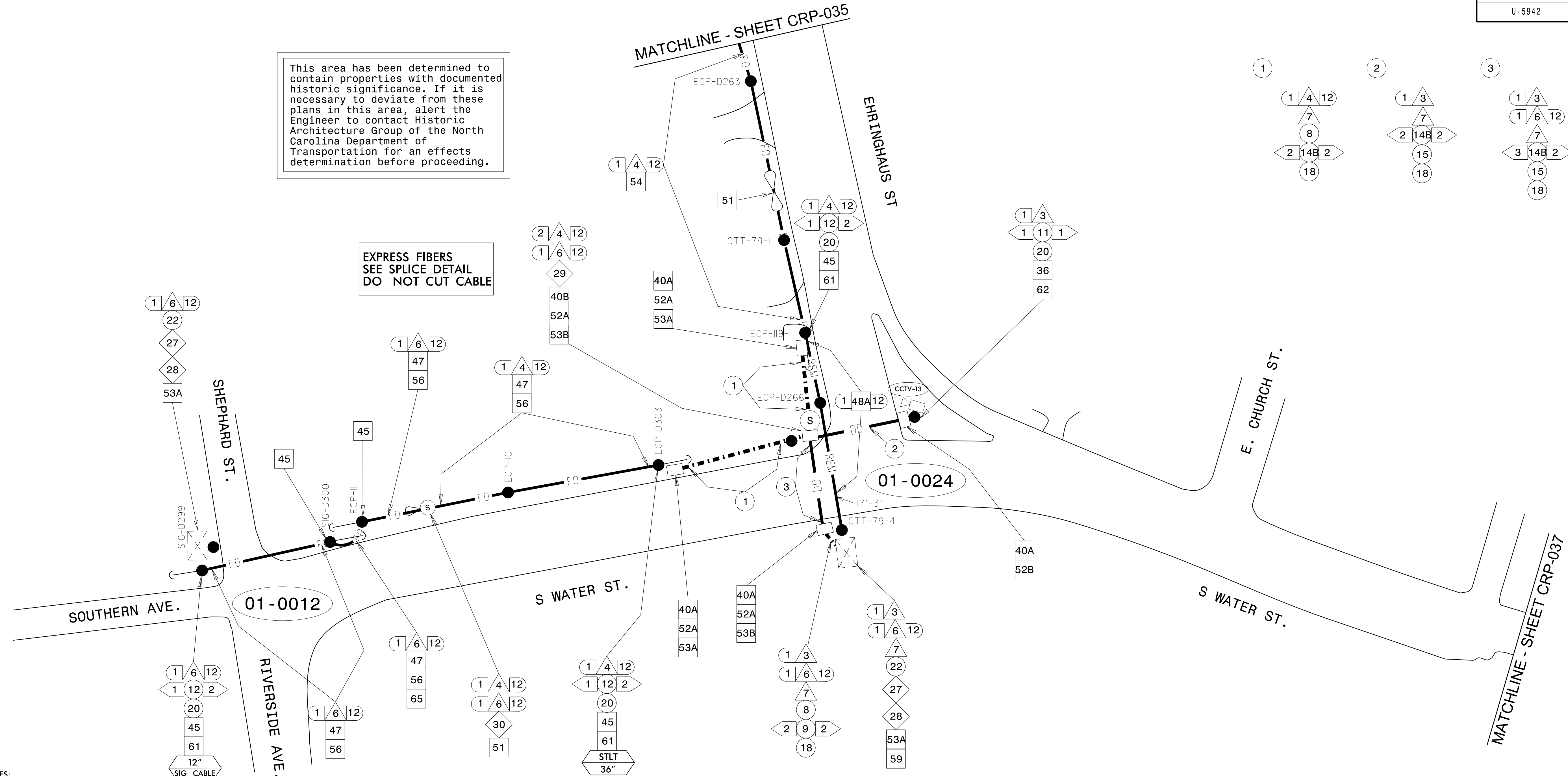
DATE: 9/21/2018

CADD File name: CRP-035.dgn



This area has been determined to contain properties with documented historic significance. If it is necessary to deviate from these plans in this area, alert the Engineer to contact Historic Architecture Group of the North Carolina Department of Transportation for an effects determination before proceeding.

EXPRESS FIBERS SEE SPLICE DETAIL DO NOT CUT CABLE



- NOTES:
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Legend table with 65 numbered items describing cable and conduit installation methods, such as 'NOT USED', 'INSTALL CABLE(S) IN EXISTING CONDUIT', 'INSTALL UNDERGROUND SPLICE ENCLOSURE', etc.

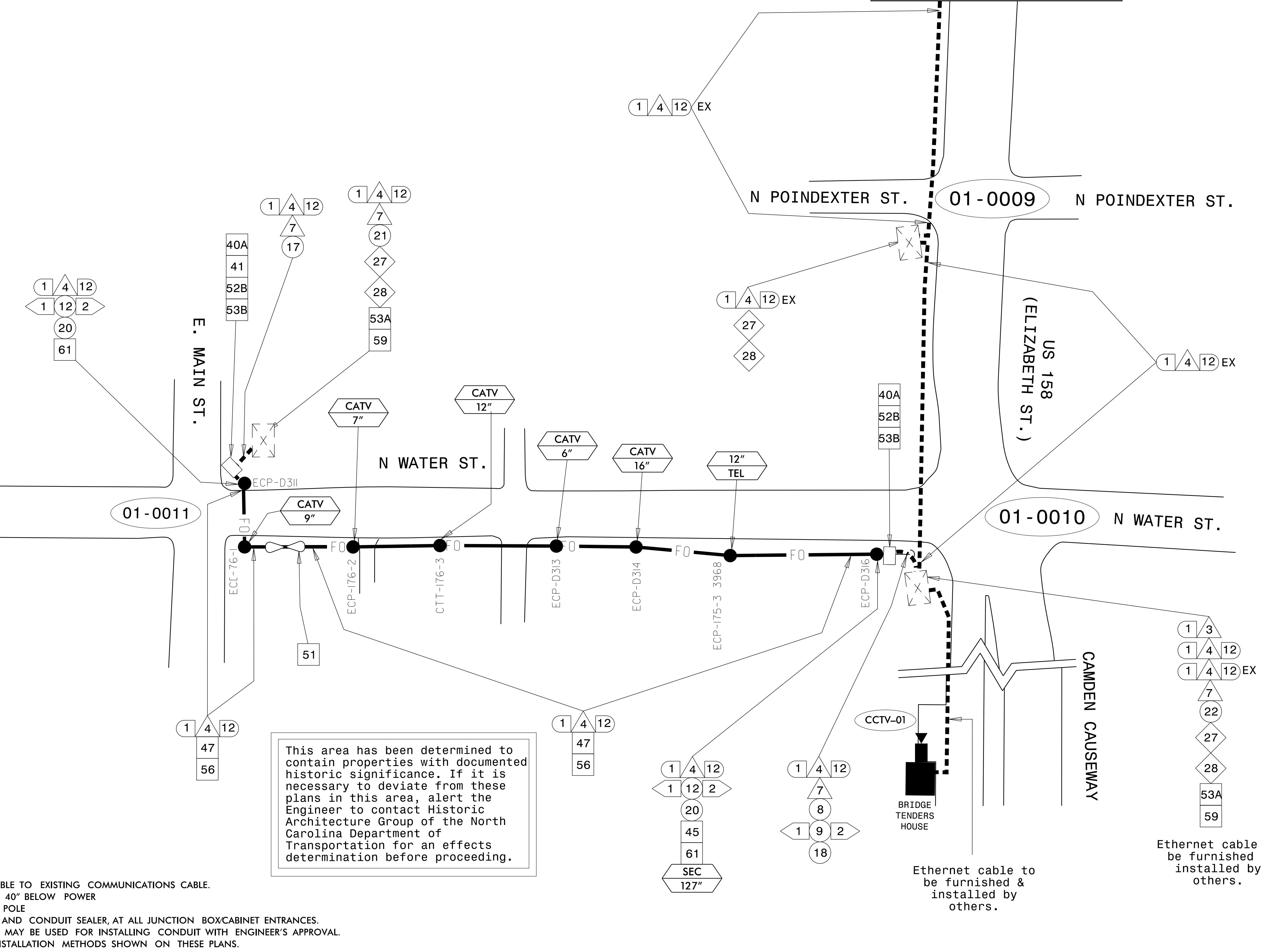
Technical drawing details including:
- Cable count symbols (triangles, diamonds, circles)
- Attachment point symbols (XX, YY, ZZ)
- DRMP logo and contact information
- Project title: Elizabeth City Signal System Cable Routing Plans
- Division 1 Pasquotank County Elizabeth City
- Plan Date: April 2018, Reviewed By: LM Moon
- Prepared By: RD Lawton, Reviewed By:
- Scale: 1" = 50'
- Date: 9/21/2018

Vertical text on the left margin: 21-SEP-2018 14:21:42... CRP-036.dgn



MATCHLINE - SHEET CRP-036

MATCHLINE - SHEET CRP-038



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Ethernet cable to be furnished & installed by others.

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Plans Prepared By: **DRMP**

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27513  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 50  
1" = 50'

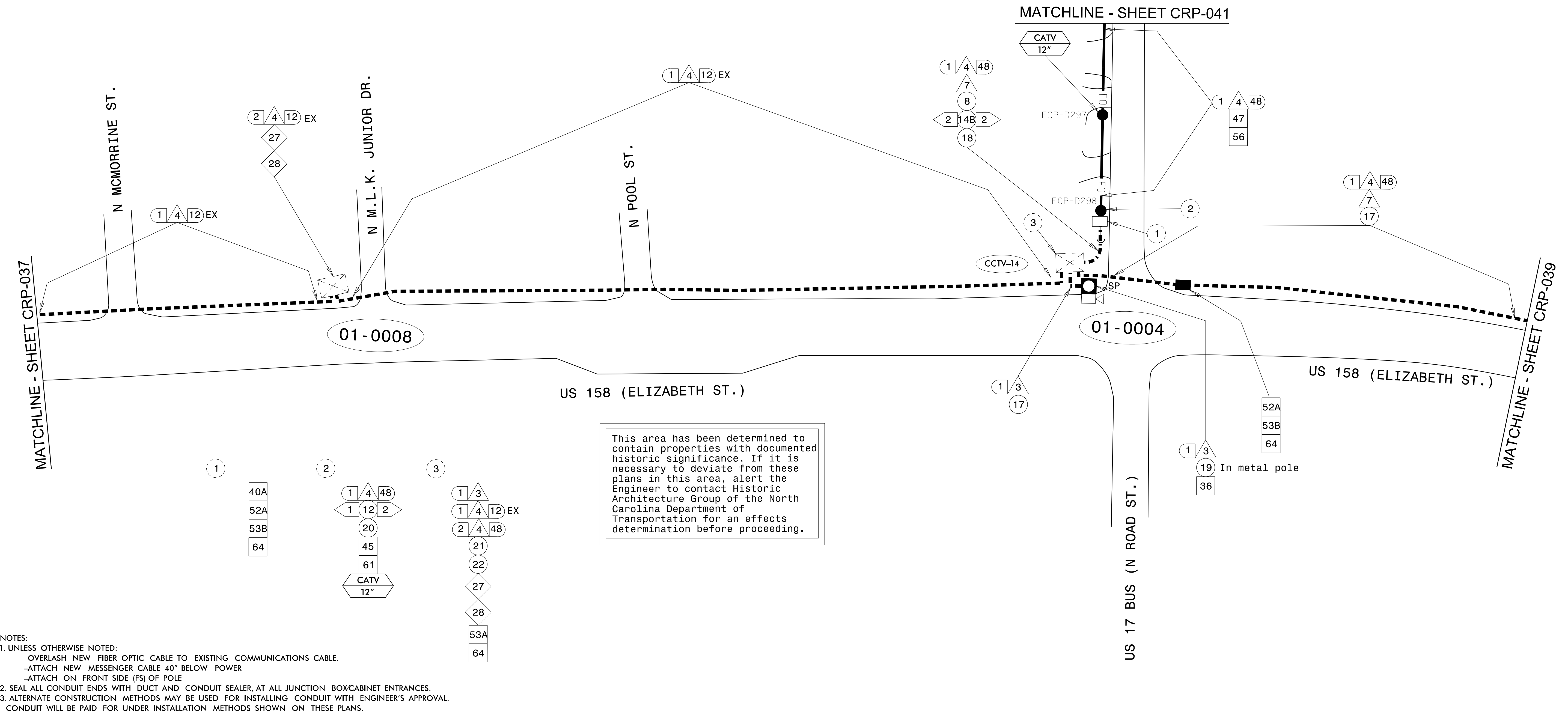
SEAL: LISA M. MOON, ENGINEER, 022516

DocuSigned by: Lisa M. Moon 9/20/2018

CADD File name: CRP-037.dgn

IF A STEP, DATE, OR ID IS MISSING FROM SHEET CRP-037.dgn, PLEASE CONTACT THE ENGINEER AT (919) 650-1038.





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REMOVE/MODIFY CABLE

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

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

DISTANCE BELOW (IN) REFERENCE POINT

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

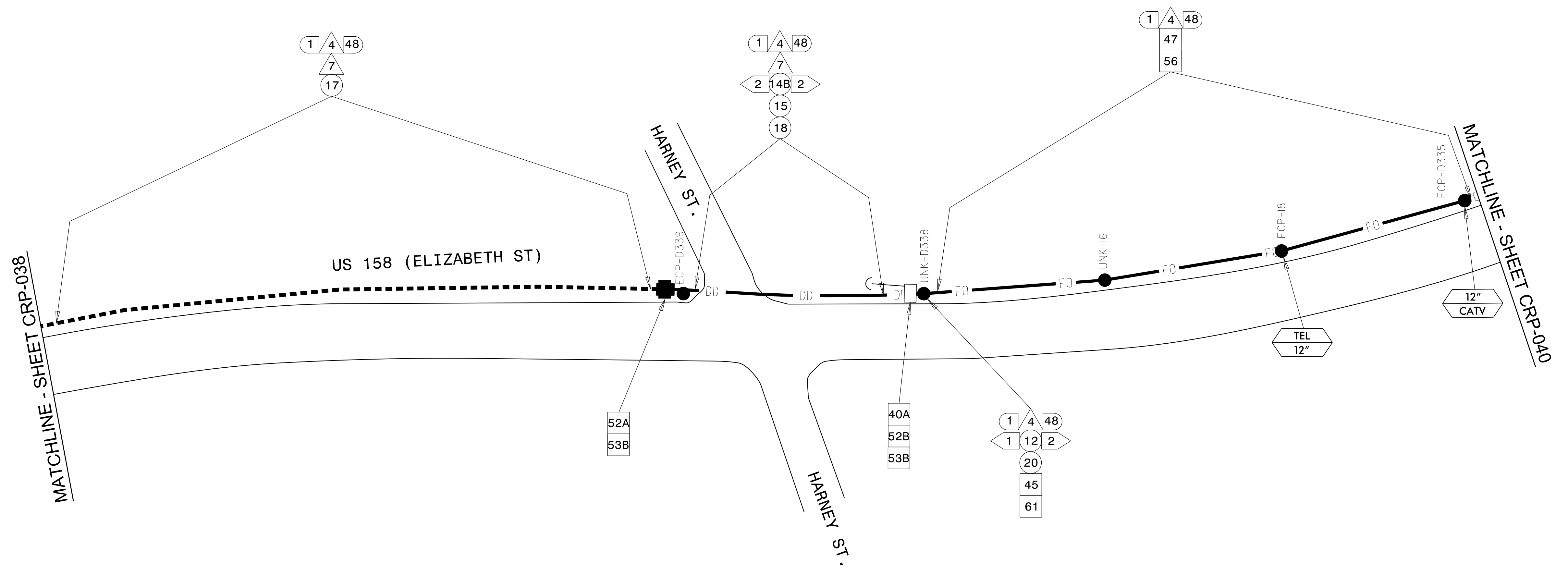
REVISIONS: \_\_\_\_\_ INIT. DATE

SCALE: 0 50  
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SEAL

SEAL 022516  
LISA M. MOON  
ENGINEER  
9/21/2018

DocuSigned by: Lisa M. Moon  
CADD Filename: CRP-038.dgn



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Plans Prepared By:

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

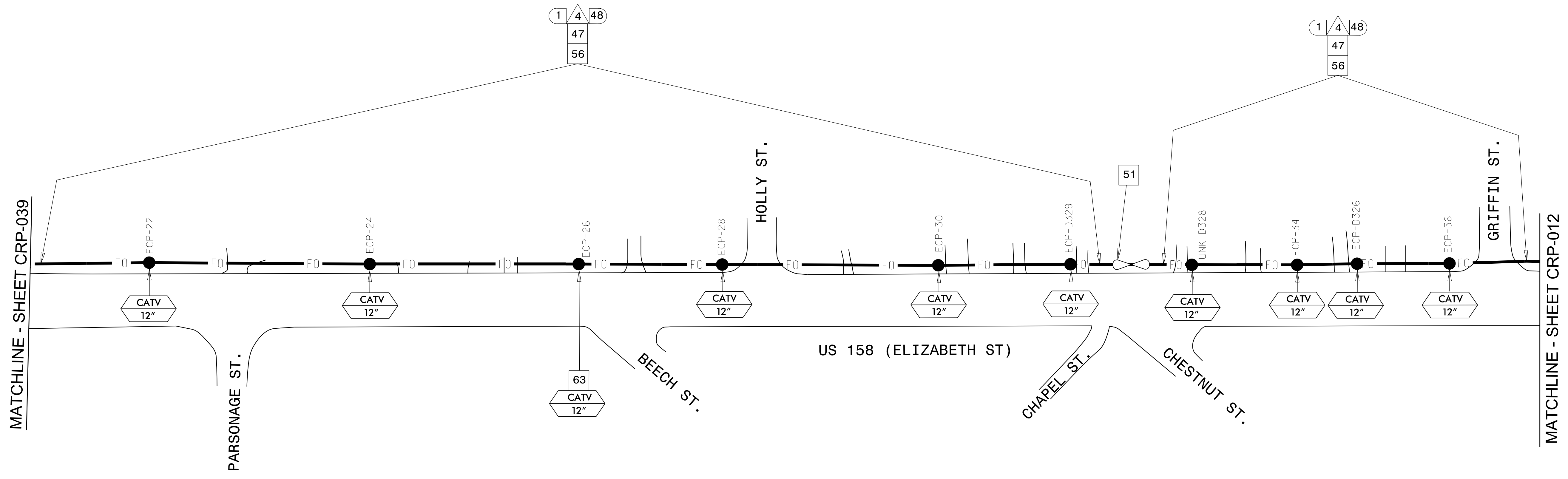
PREPARED BY: RD Lawton REVIEWED BY:

8/22/2018

SCALE: 0 50  
1" = 50'

22-AUG-2018 10:07 AM C:\Users\lmoon\OneDrive\Documents\Projects\2018\CRP-039.dgn





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Plans Prepared By:

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

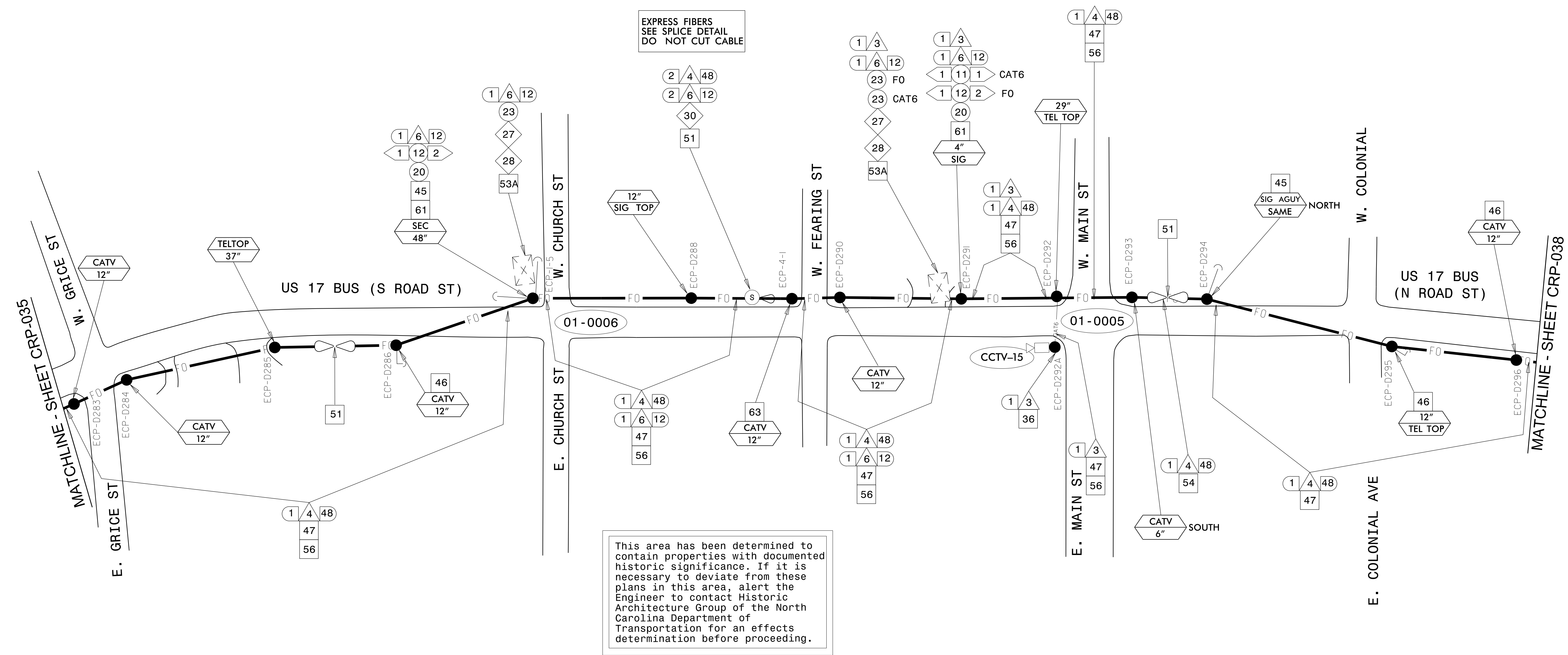
PREPARED BY: RD Lawton REVIEWED BY:

SCALE  
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REVISIONS	INIT.	DATE

DocuSigned by:  
*Lisa M. Moon* 8/22/2018

CADD File name: CRP-040.dgn



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PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

PROFESSIONAL ENGINEER

SEAL 022516

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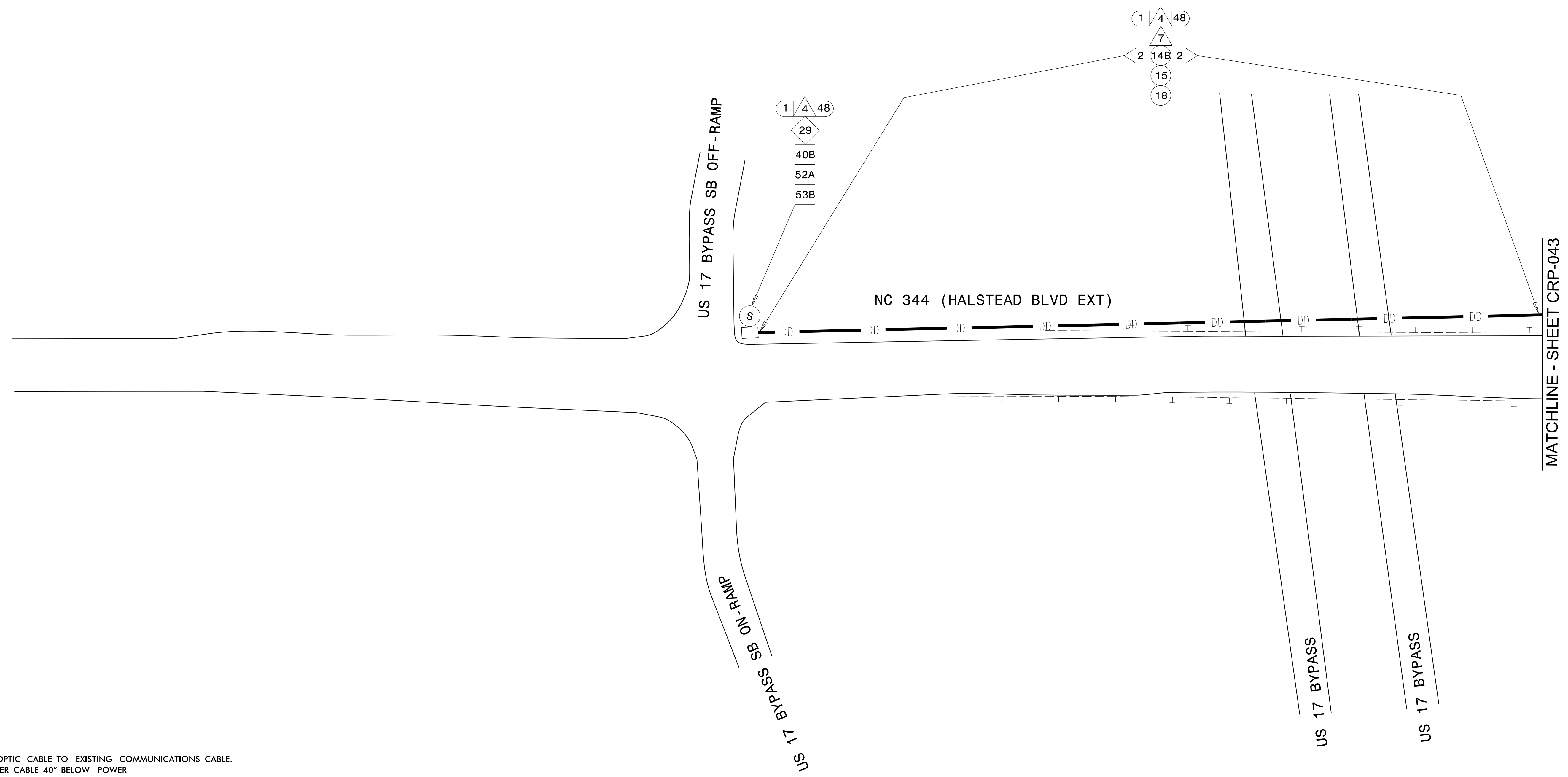
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7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE	61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
9	INSTALL PVC CONDUIT	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	37	INSTALL CCTV CAMERA 50' WOOD POLE	50	NOT USED	63	BOND MESSENGER CABLE TO POLE GROUND
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	38	NOT USED	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF EACH CABLE	64	INSTALL MOLDABLE DUCT SEAL
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	39	INSTALL JUNCTION BOX	52A	INSTALL DELINEATOR MARKER	65	SLACK SPAN
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26A	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	52B	INSTALL JUNCTION BOX MARKER		
13	INSTALL HEAT SHRINK TUBING RETROFIT KIT	26B	MODIFY/RELOCATE EXISTING FIBER OPTIC TRANSCEIVER	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	53A	STORE 30 FEET OF COMMUNICATIONS CABLE		
14A	NOT USED	27	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	41	REMOVE EXISTING JUNCTION BOX	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE		
14B	INSTALL POLYETHYLENE CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	42	INSTALL WOOD POLE	54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE		

NUMBER OF CABLE(S)

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBER/TWISTED PAIRS

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

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

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

XXXX

YYYY

DISTANCE BELOW (IN) REFERENCE POINT

XX"

Plans Prepared By:

**DRMP**

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27518  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

### Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 022516

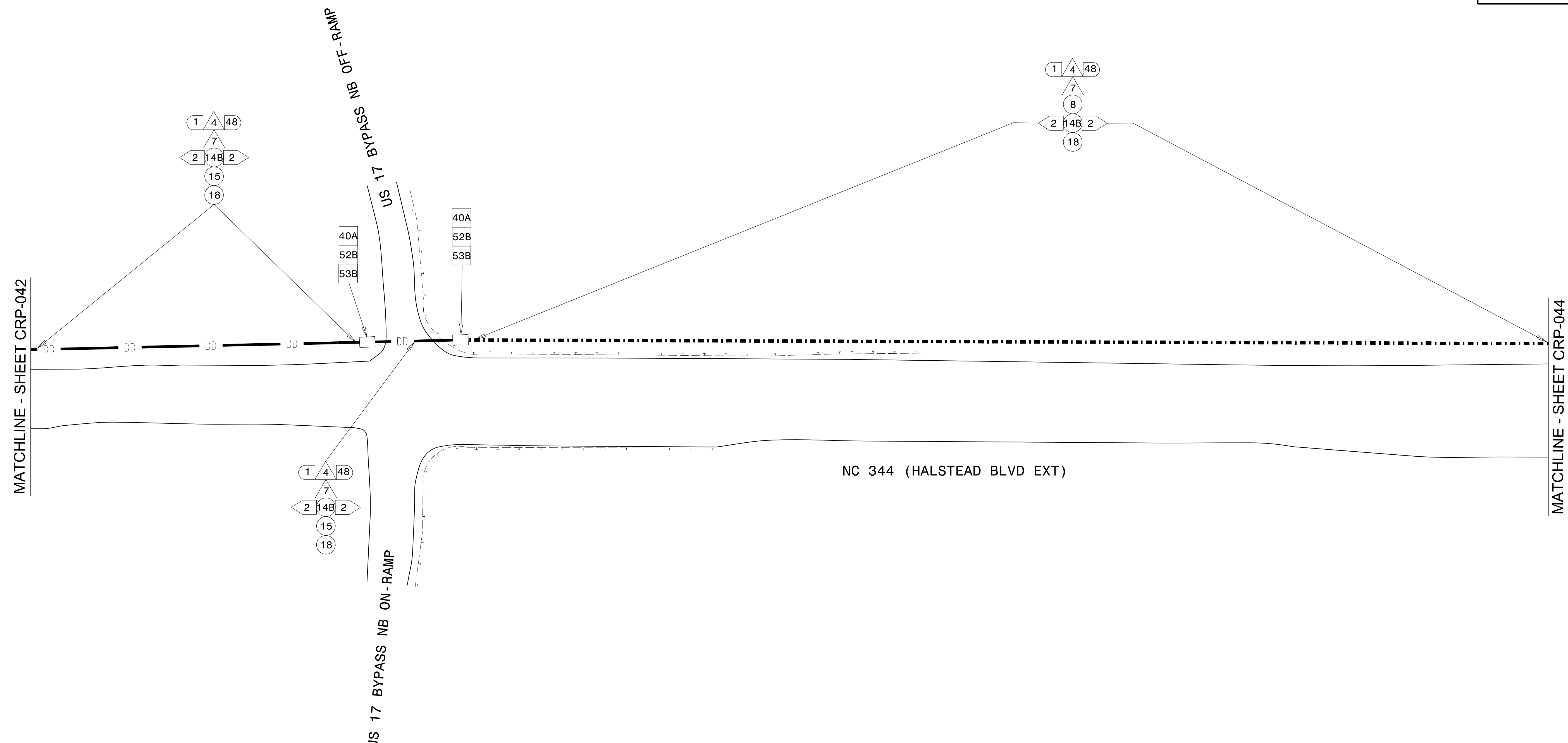
LISA M. MOON

DocuSigned by: Lisa M. Moon 9/20/2018

CADD File name: CRP-042.dgn

SCALE: 0 50

1" = 50'



NOTES:  
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REMOVE/MODIFY CABLE [XX] [XX]

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ATTACHMENT POINT [XX] [XX]

DISTANCE ABOVE (IN) REFERENCE POINT [XXXX]

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Plans Prepared By:

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

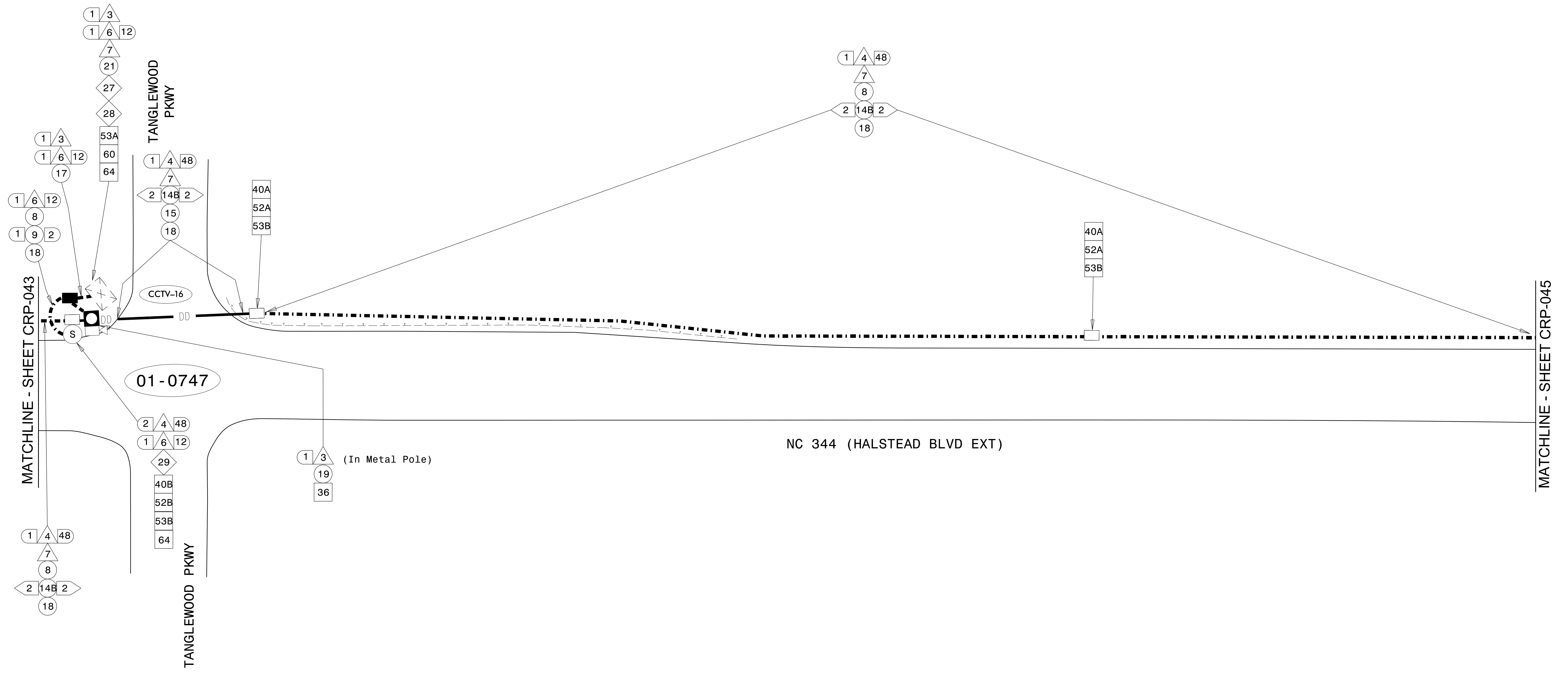
REVISIONS	INIT.	DATE

DocuSigned by:  
Lisa M. Moon  
8/22/2018

CADD File name: CRP-043.dgn

SCALE: 0 50  
1" = 50'





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**Plans Prepared By:**

**DRMP**

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

**LISA M. MOON**

ENGINEER

8/22/2018

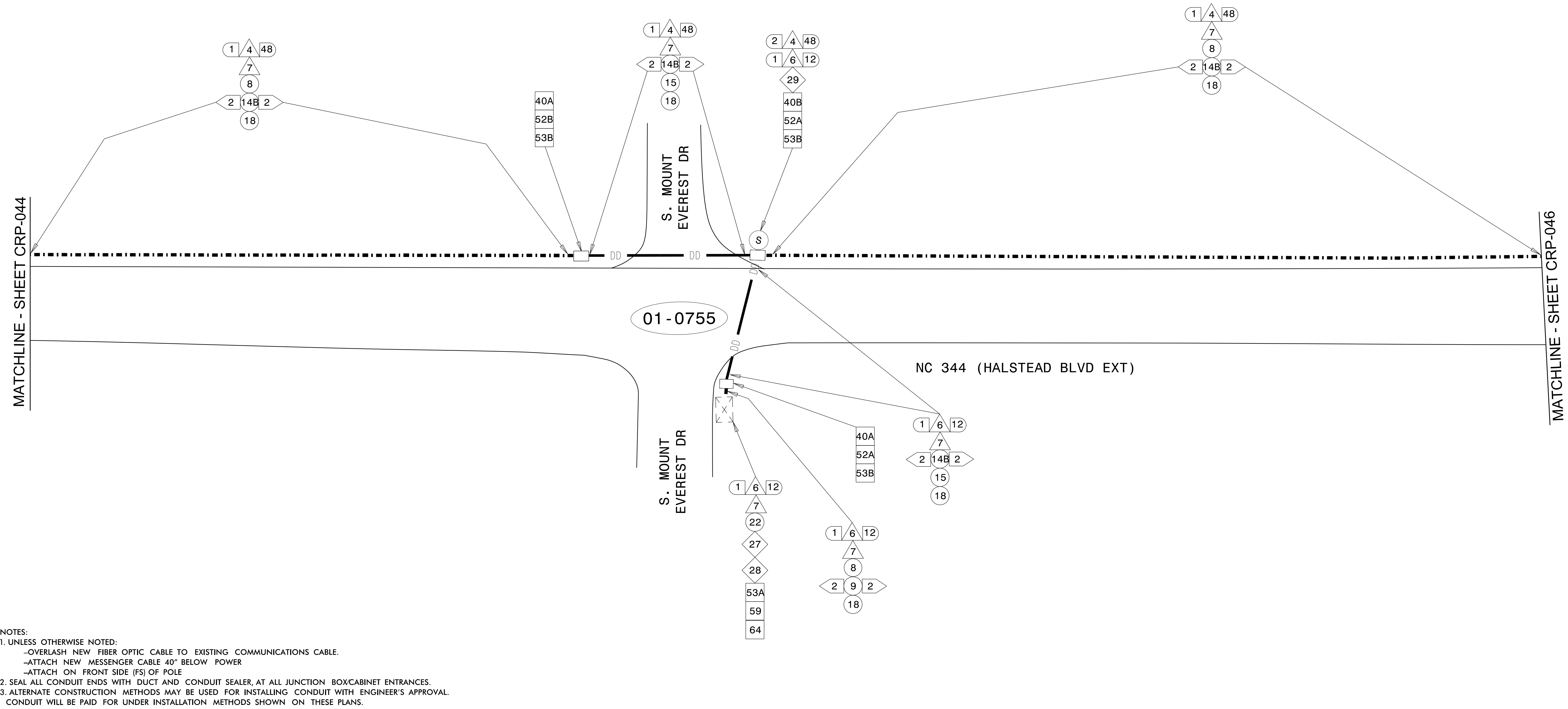
DATE

CADD File name: CRP-044.dgn

SCALE

0 50

1" = 50'



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**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 022516

LISA M. MOON

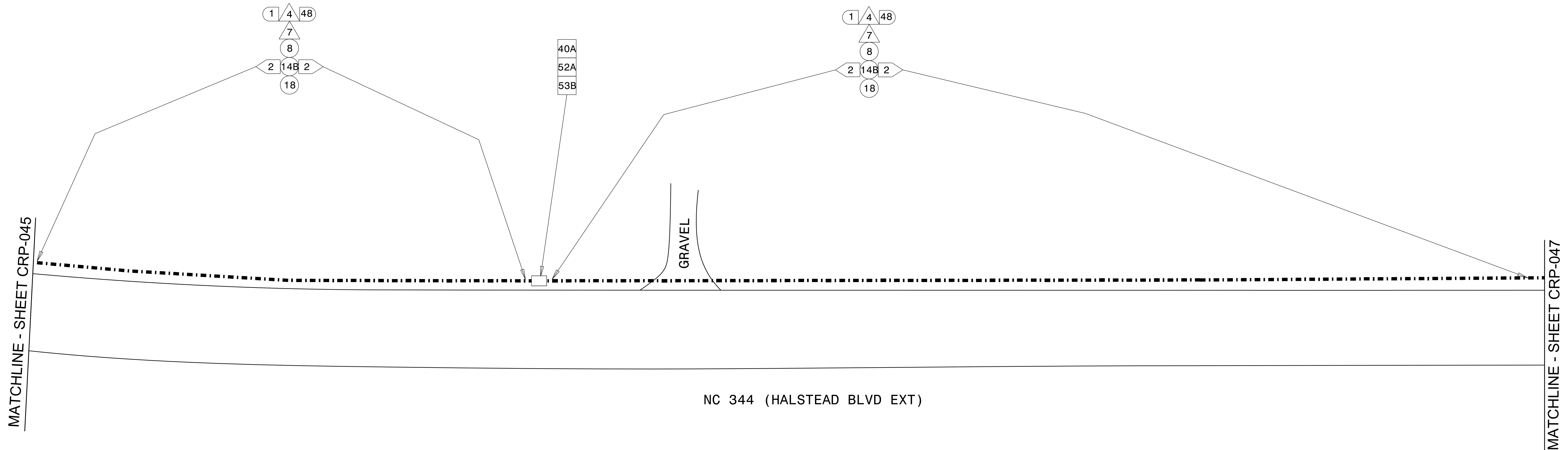
DocuSigned by: Lisa M. Moon 8/22/2018

CADD File name: CRP-045.dgn

SCALE: 0 50

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SCALE  
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Elizabeth City Signal System  
Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

8/22/2018

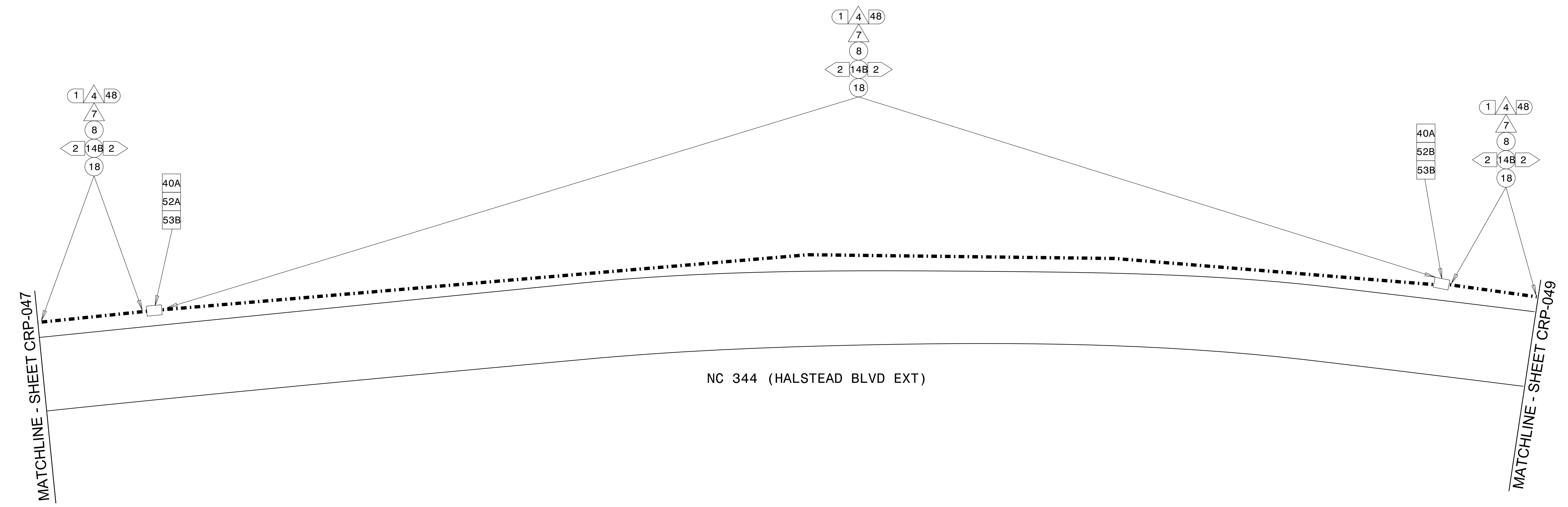
DATE

CADD File name: CRP-046.dgn

22-AUG-2018 08:41:11 AM C:\Users\lmoon\OneDrive\Documents\Projects\2018\CRP-046.dgn







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2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY	58	NOT USED
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6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE	61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
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12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26A	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	52B	INSTALL JUNCTION BOX MARKER		
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**NUMBER OF CABLE(S)** (XX) **NUMBER OF RISER(S)/CONDUIT(S)** (XX)

**NUMBER OF FIBER/TWISTED PAIRS** (XX) **DIAMETER OF RISER(S)/CONDUIT(S) (INCH)** (XX)

**ATTACHMENT POINT** (XX) **REFERENCE POINT** (YYYY) **REFERENCE POINT DISTANCE ABOVE (IN)** (XX) **REFERENCE POINT DISTANCE BELOW (IN)** (XX)

Plans Prepared By:

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27513  
NC License No. C-2213 (919) 650-1038

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

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

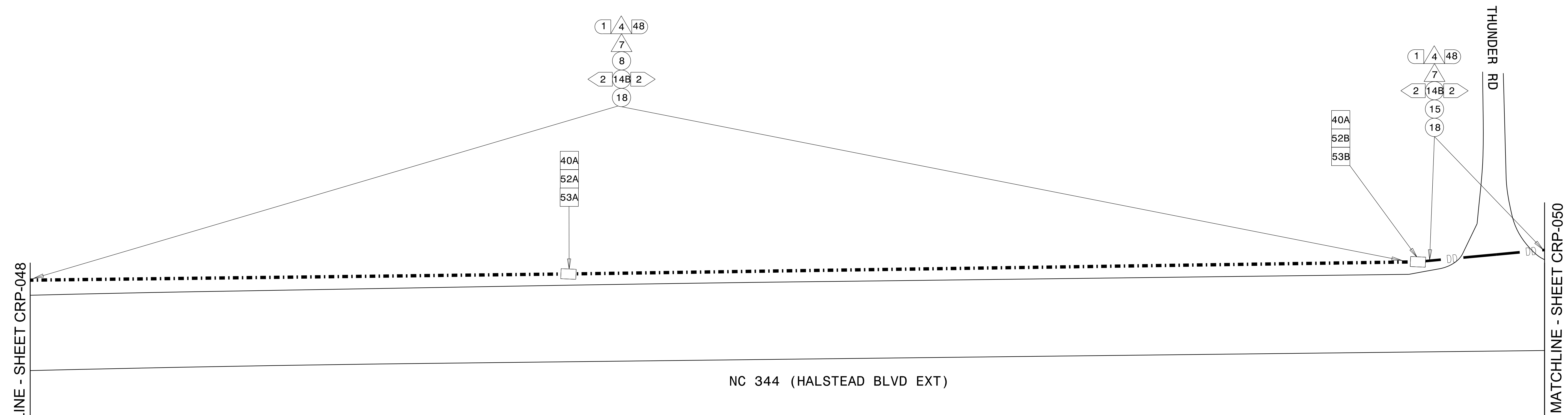
SEAL

8/22/2018

DATE

CADD File name: CRP-048.dgn

SCALE: 0 50  
1" = 50'



**NOTES:**  
 1. UNLESS OTHERWISE NOTED:  
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DIAMETER OF RISER(S)/CONDUIT(S) (INCH) [XX]

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**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

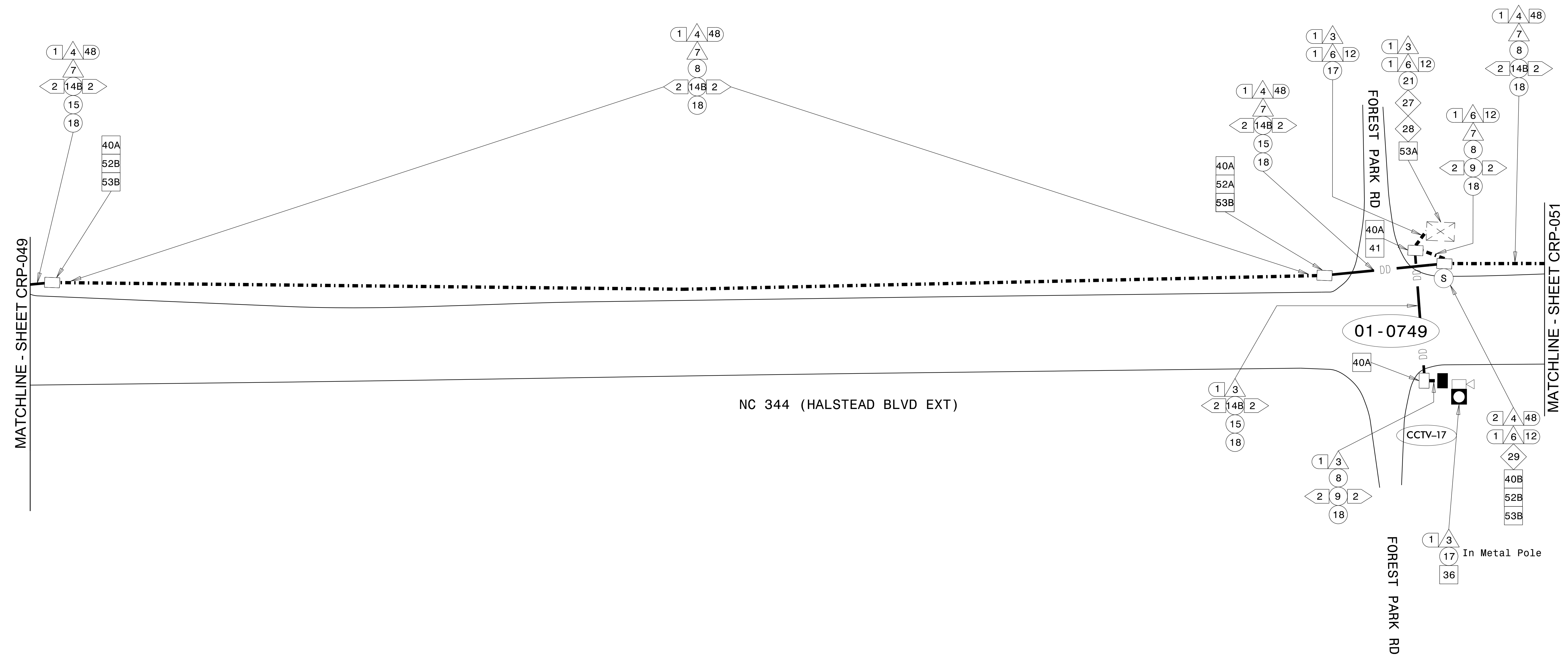
8/22/2018

SCALE  
0 50  
1" = 50'

REVISIONS	INIT.	DATE

DocuSigned by:  
*Lisa M. Moon*  
8/22/2018  
CADD File name: CRP-049.dgn





NOTES:  
 1. UNLESS OTHERWISE NOTED:  
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Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS

INIT. DATE

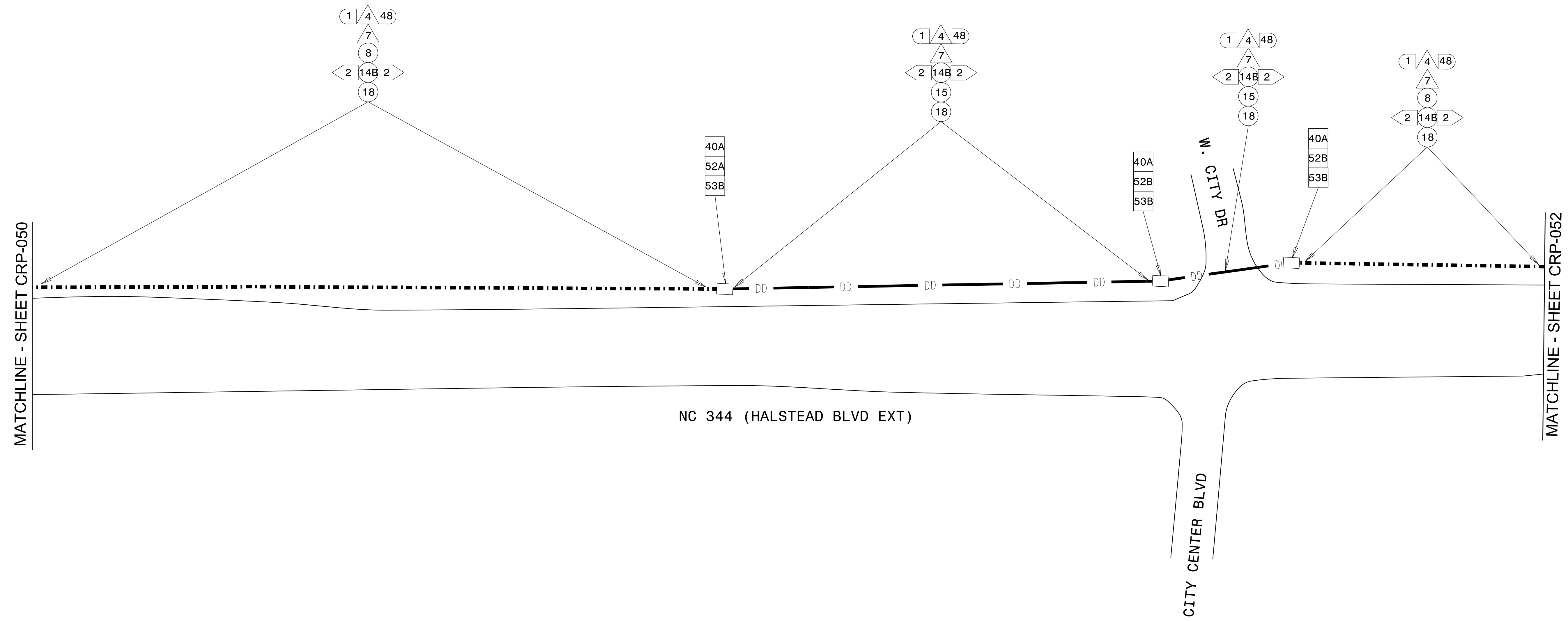
DocuSigned by:  
Lisa M. Moon 8/22/2018

CADD File name: CRP-050.dgn

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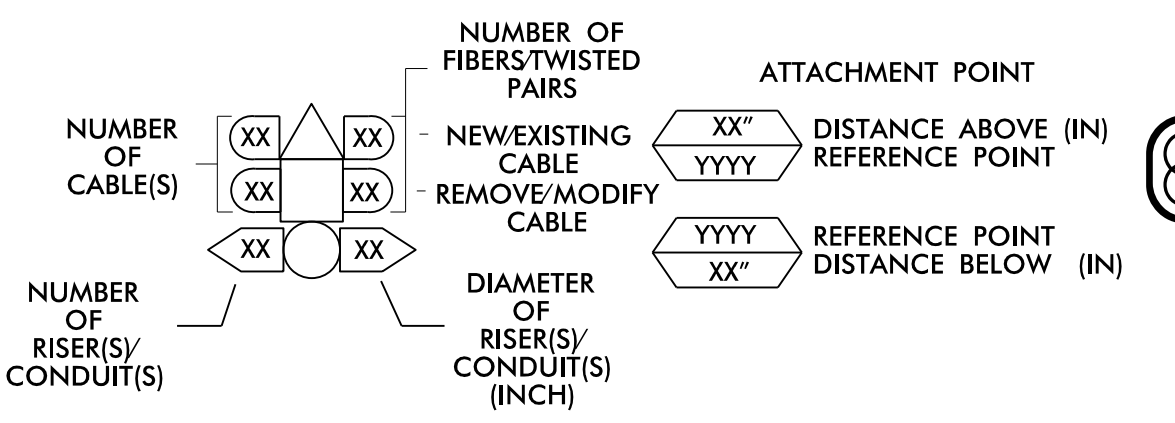
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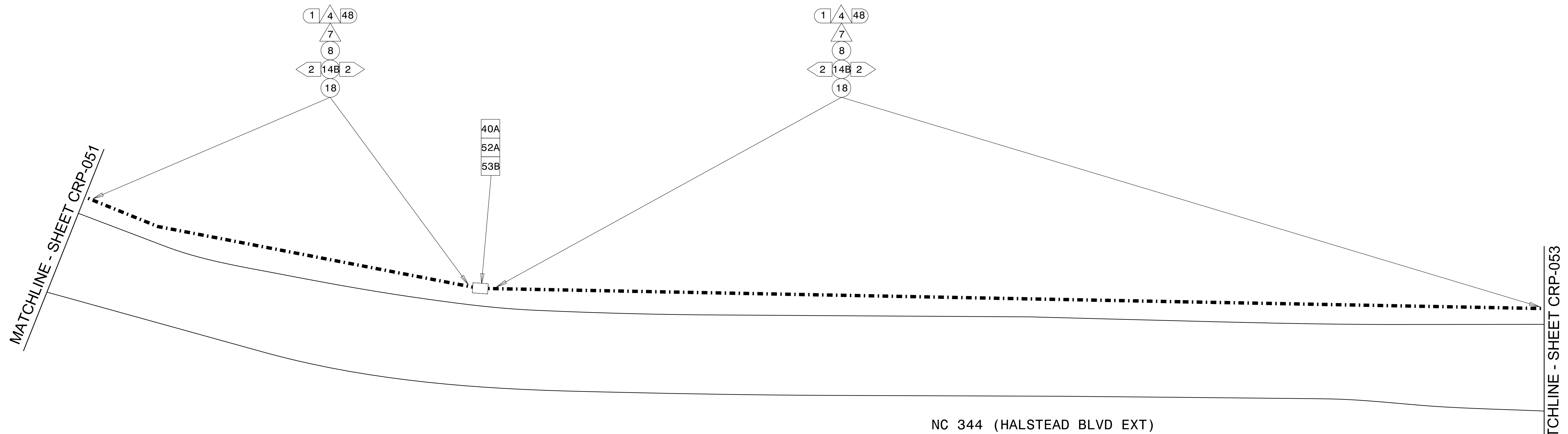


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Prepared for the Offices of:  

 Elizabeth City Signal System Cable Routing Plans  
 Division 1 Pasquotank County Elizabeth City  
 PLAN DATE: April 2018 REVIEWED BY: LM Moon  
 PREPARED BY: RD Lawton REVIEWED BY:  
 REVISIONS: INIT. DATE  
 SCALE: 0 50  
 1" = 50'  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 LISA M. MOON  
 022516  
 8/22/2018  
 CADD File name: CRP-051.dgn





NC 344 (HALSTEAD BLVD EXT)

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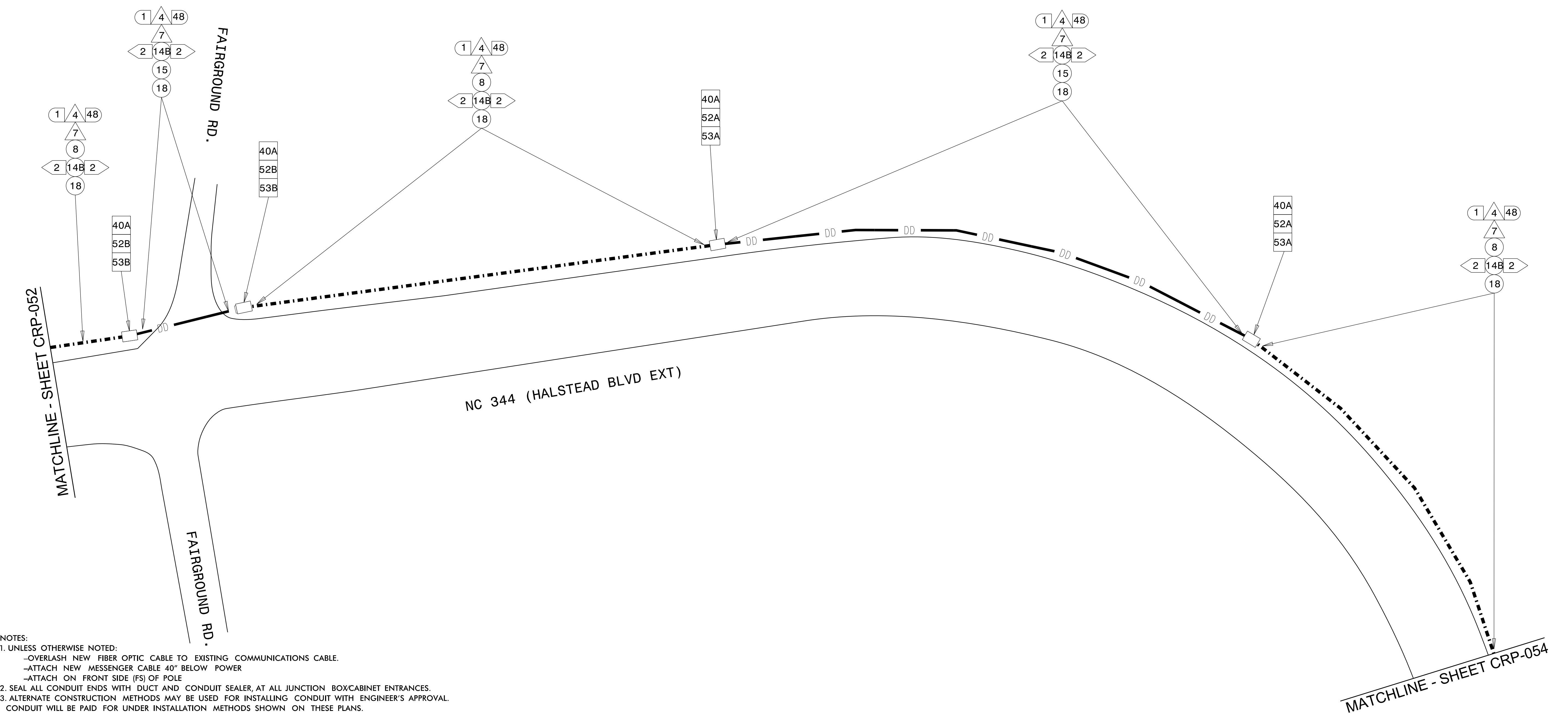
PREPARED BY: RD Lawton REVIEWED BY:

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SEAL  
LISA M. MOON  
ENGINEER  
022516  
8/22/2018  
CADD File name: CRP-052.dgn

22-AUG-2018 09:02:00 AM C:\Users\lmoon\OneDrive\Documents\Projects\2018\CRP-052.dgn



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1	NOT USED	15	DIRECTIONAL DRILL CONDUIT	29	INSTALL UNDERGROUND SPlice ENCLOSURE	43	NOT USED	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPlice ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY	58	NOT USED
5	NOT USED	19	INSTALL CABLE(S) IN EXISTING RISER	33	NOT USED	47	INSTALL MESSENGER CABLE	59	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE	61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
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13	INSTALL HEAT SHRINK TUBING RETROFIT KIT	26B	MODIFY/RELOCATE EXISTING FIBER OPTIC TRANSCEIVER	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	53A	STORE 30 FEET OF COMMUNICATIONS CABLE		
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NUMBER OF CABLE(S) [XX] [XX] [XX] [XX]

NUMBER OF RISER(S)/CONDUIT(S) [XX] [XX]

NUMBER OF FIBER/TWISTED PAIRS [XX] [XX] [XX] [XX]

NEW/EXISTING CABLE [XX] [XX]

REMOVE/MODIFY CABLE [XXXX] [XXXX]

DIAMETER OF RISER(S)/CONDUIT(S) (INCH) [XX"] [XX"]

ATTACHMENT POINT [XX] [XX]

DISTANCE ABOVE (IN) REFERENCE POINT [XXXX] [XXXX]

REFERENCE POINT DISTANCE BELOW (IN) [XX"] [XX"]

Plans Prepared By:

**DRMP**

DRMP, Inc.  
8000 Regency Parkway, Suite 175  
Cary, NC 27515  
NC License No. C-2213 (919) 650-1038

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

**LISA M. MOON**

PROFESSIONAL ENGINEER

022516

8/22/2018

DATE

SCALE

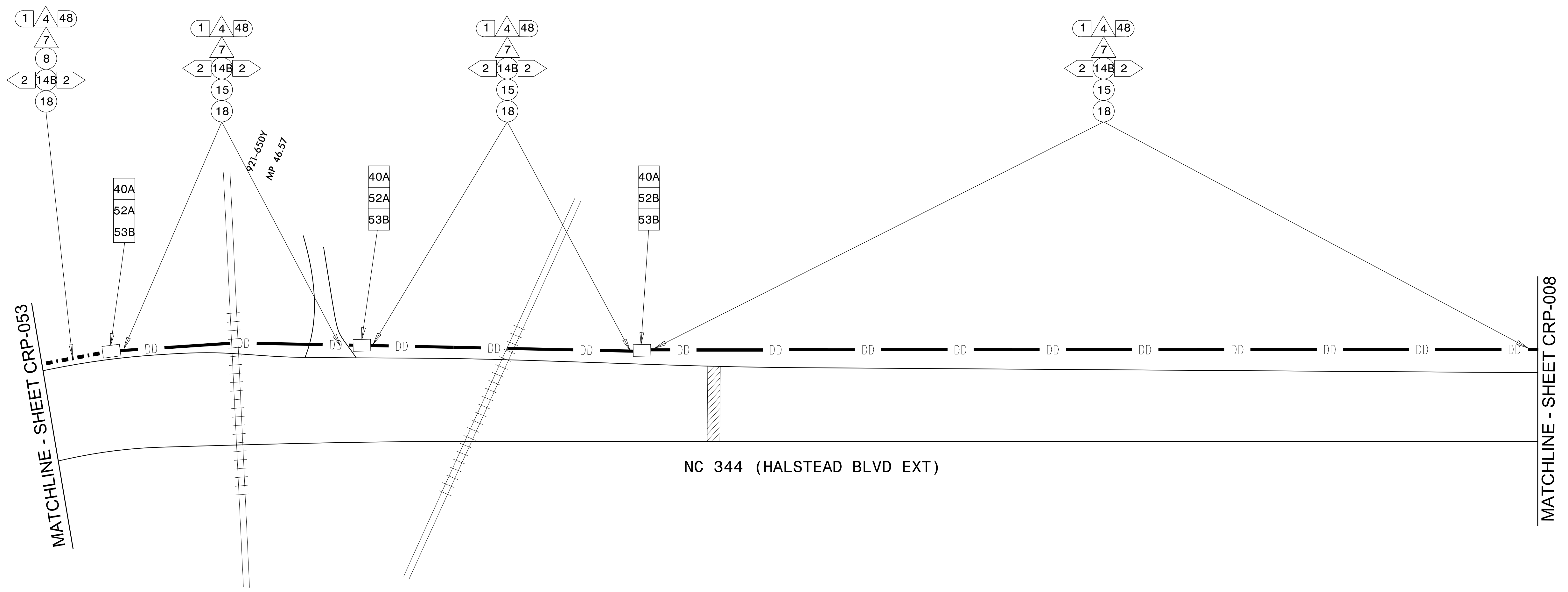
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1" = 50'

REVISIONS	INIT.	DATE

CADD File name: CRP-053.dgn





**NOTES:**  
 1. UNLESS OTHERWISE NOTED:  
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DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS: INIT. DATE

SEAL

PROFESSIONAL ENGINEER

SEAL 022516

LIISA M. MOON

DocuSigned by: Lisa M. Moon 8/22/2018

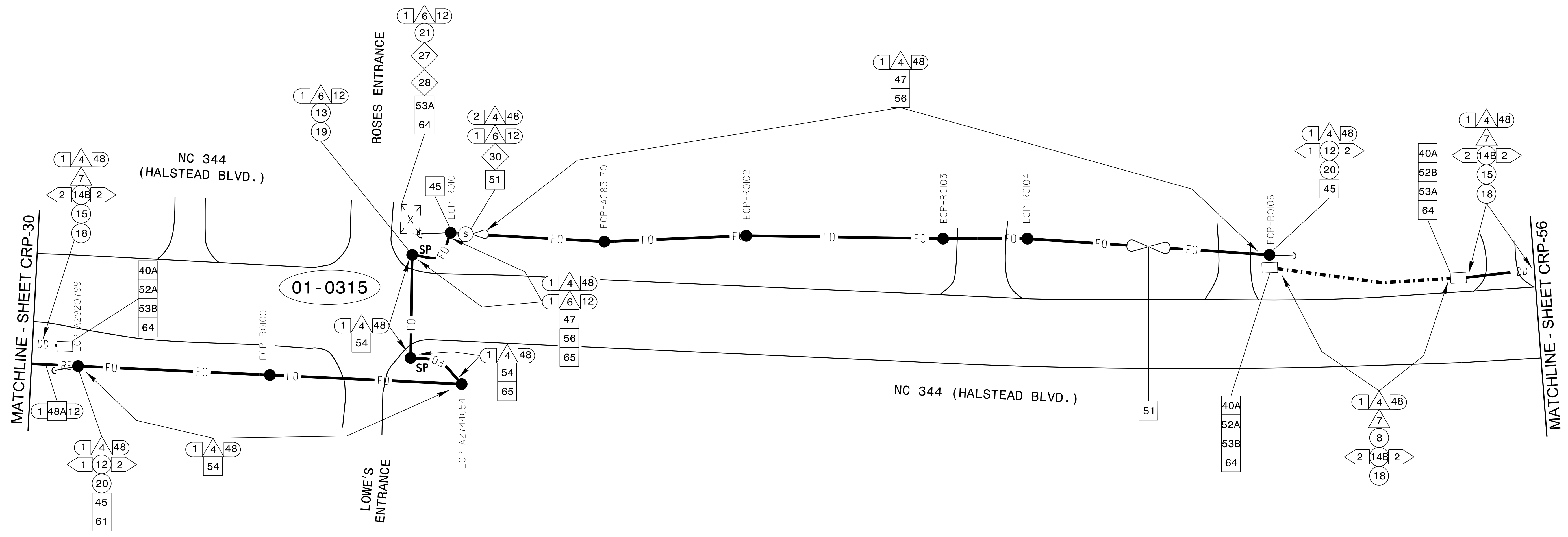
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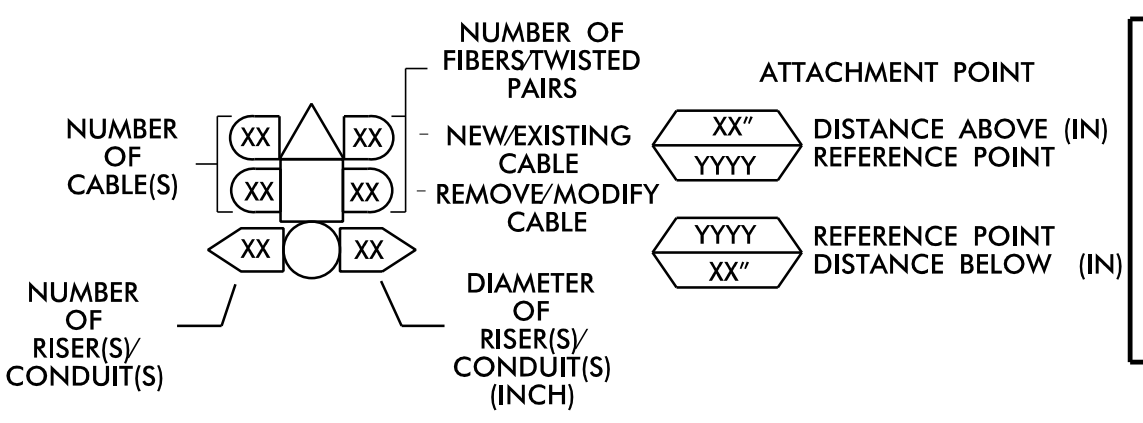
1" = 50'

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**PLANS PREPARED BY :**

**RK&K**

RUMMEL, KLEPPER & KAHL, LLP  
 900 RIDGEFIELD DRIVE SUITE 350  
 RALEIGH, NORTH CAROLINA 27609-3960  
 NC LICENSE NO. F-0112 • (919) 878-9560

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529

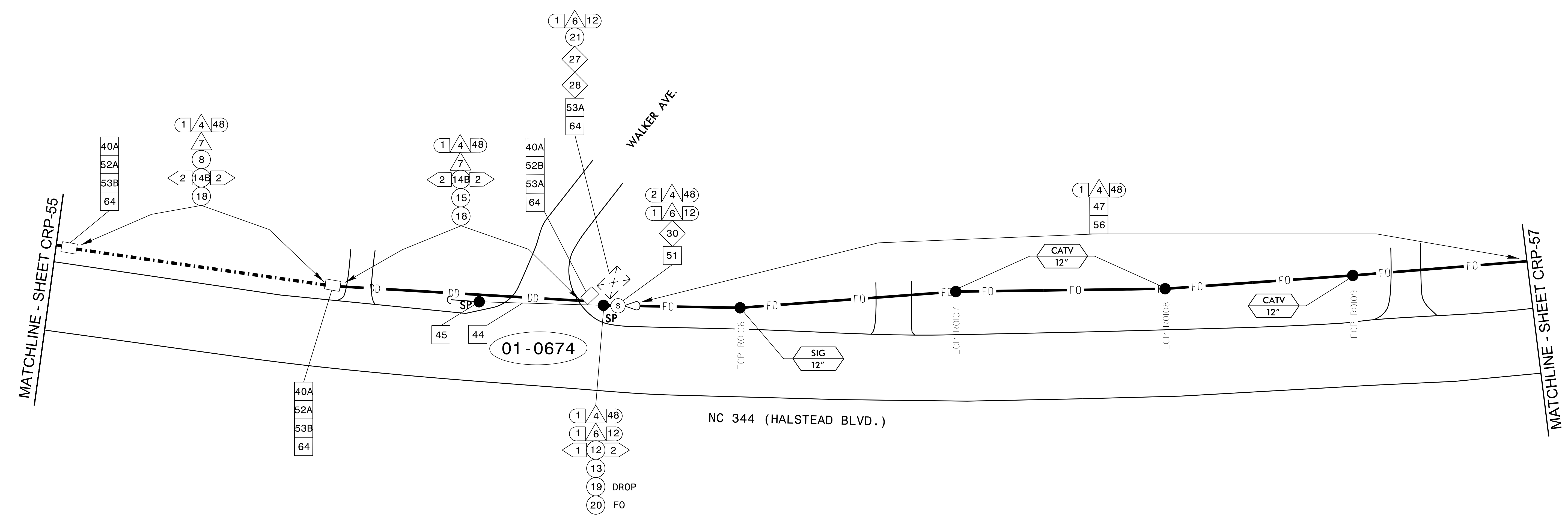
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1" = 50'

DocuSigned by: *C. Byron Holden* 8/23/2018

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER C. BYRON HOLDEN

CADD Filename: \_\_\_\_\_





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**NUMBER OF FIBER/TWISTED PAIRS**  
 NEW/EXISTING CABLE  
 REMOVE/MODIFY CABLE

**ATTACHMENT POINT**  
 XX" DISTANCE ABOVE (IN) REFERENCE POINT  
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**DIAMETER OF RISER(S)/ CONDUIT(S) (INCH)**  
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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE  
0 50  
1" = 50'

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

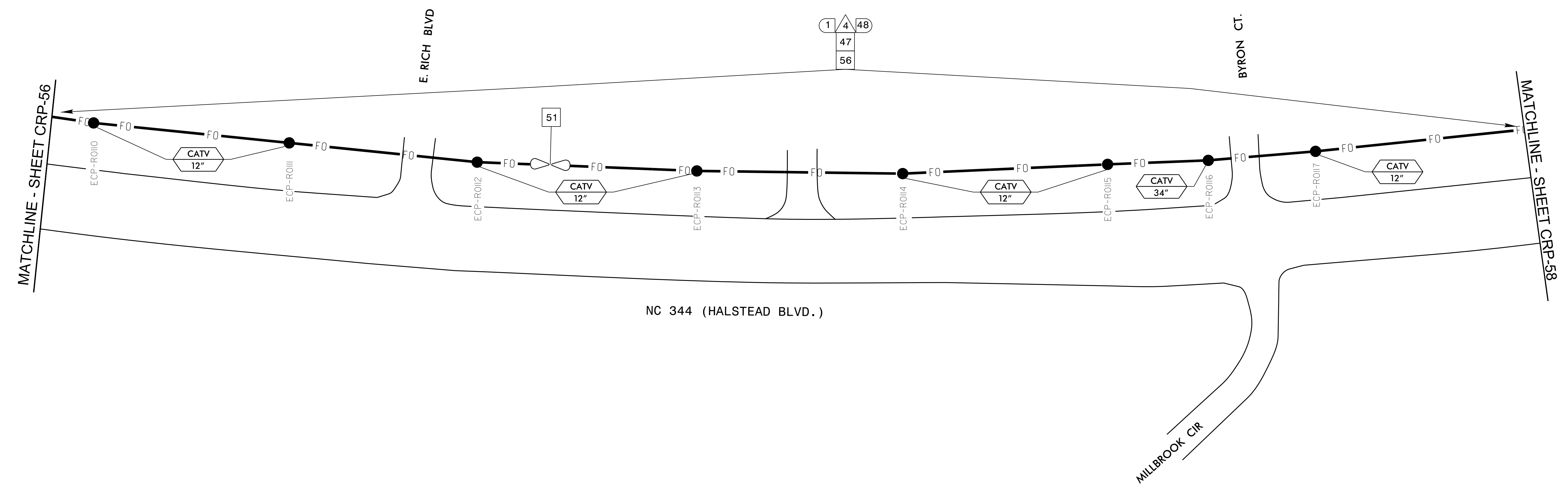
PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 033753  
 C. BYRON HOLDEN

DocuSigned by:  
 C. Byron Holden  
 8/23/2018  
 DATE

CADD Filename:



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**PLANS PREPARED BY :**

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 NC LICENSE NO. F-0112 • (919) 878-9560

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Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

PREPARED BY: A. TUTT REVIEWED BY:

SEAL

SEAL

033753

ENGINEER

BYRON HOLDEN

REVISIONS

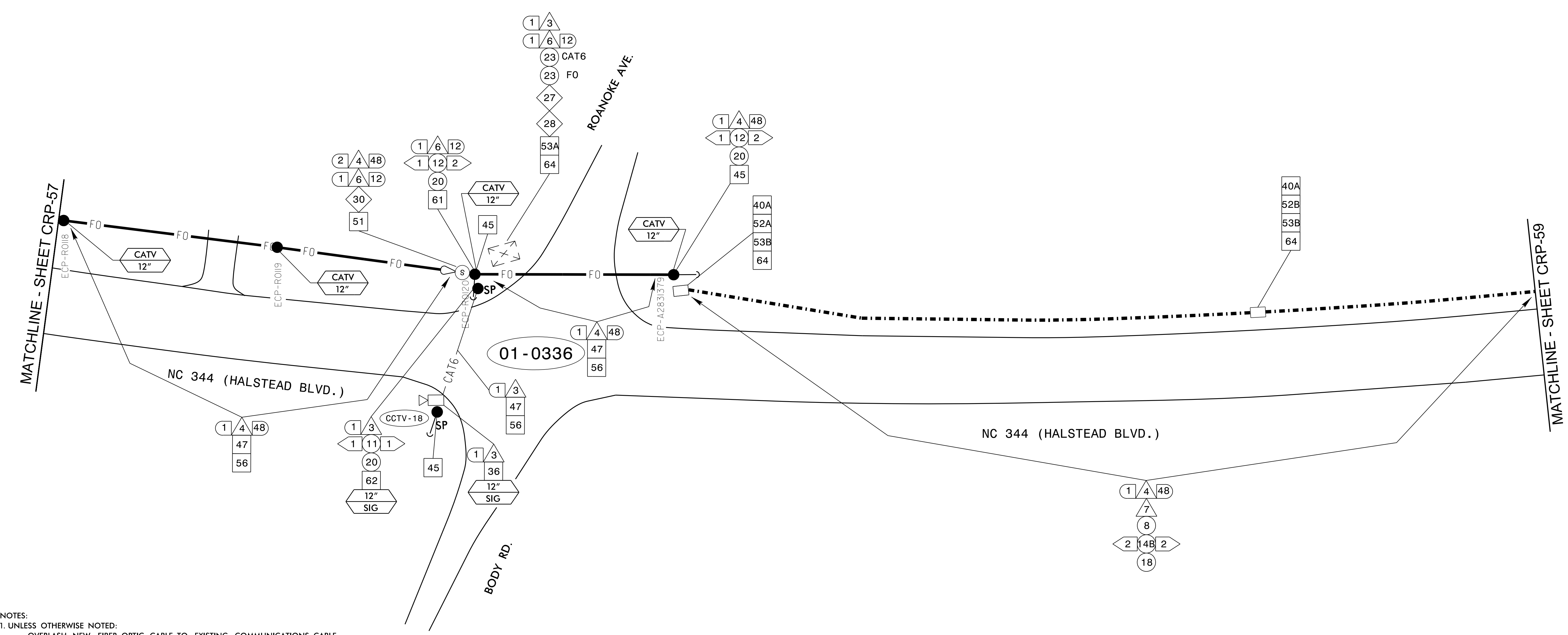
NO.	DESCRIPTION	INIT.	DATE

DocuSigned by: *Byron Holden* 8/23/2018

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

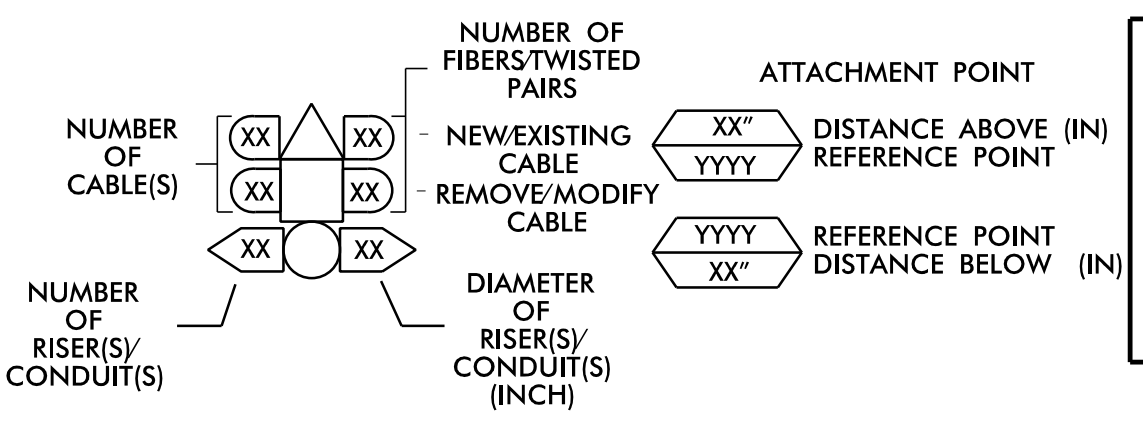
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NOTES:  
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 -ATTACH NEW MESSENGER CABLE 40" BELOW POWER  
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2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
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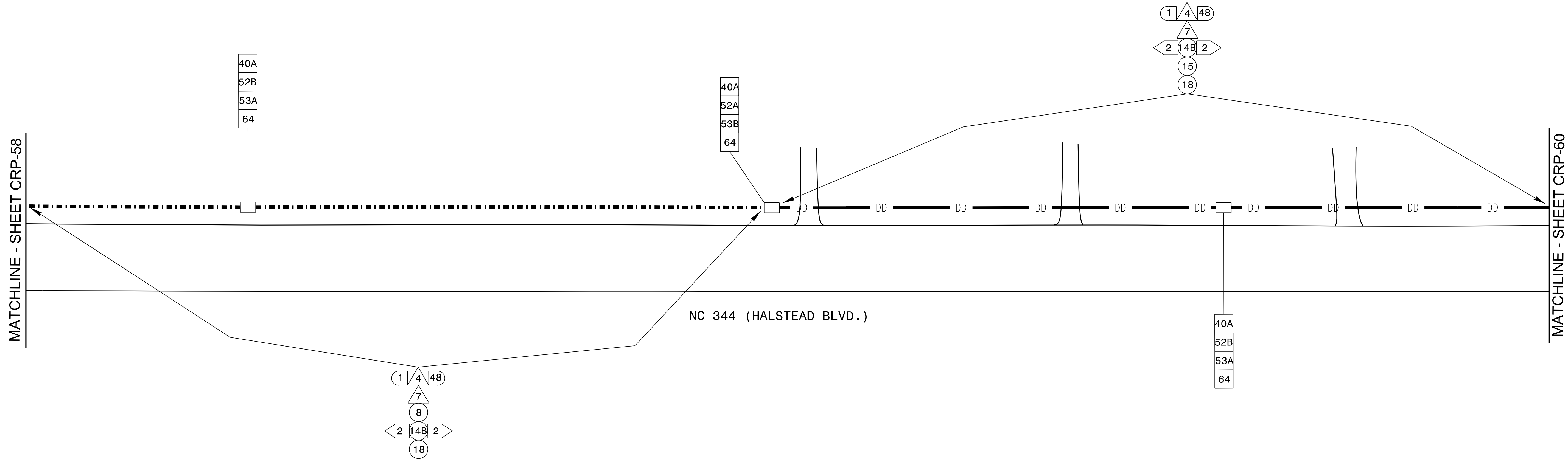
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Division 1 Pasquotank County Elizabeth City  
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 PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: INIT. DATE

DocuSigned by: *C. Byron Holden* 8/23/2018  
 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER C. BYRON HOLDEN  
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**NUMBER OF CABLE(S)** (XX) **NUMBER OF RISER(S)/CONDUIT(S)** (XX)

**NUMBER OF FIBER/TWISTED PAIRS** (XX) **DIAMETER OF RISER(S)/CONDUIT(S) (INCH)** (XX)

**ATTACHMENT POINT** (XX) **REFERENCE POINT** (YYYY) **REFERENCE POINT DISTANCE ABOVE (IN)** (XX) **REFERENCE POINT DISTANCE BELOW (IN)** (XX)

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

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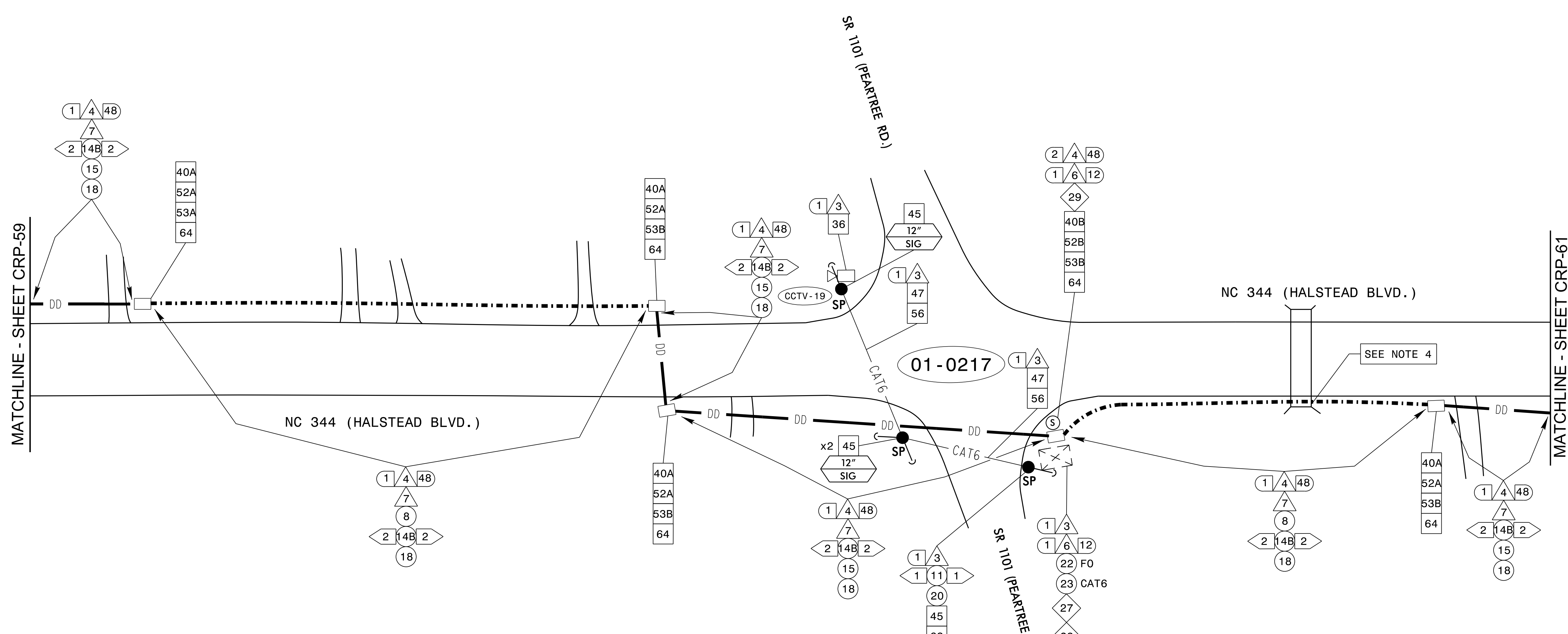
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YYYYYYYYYY

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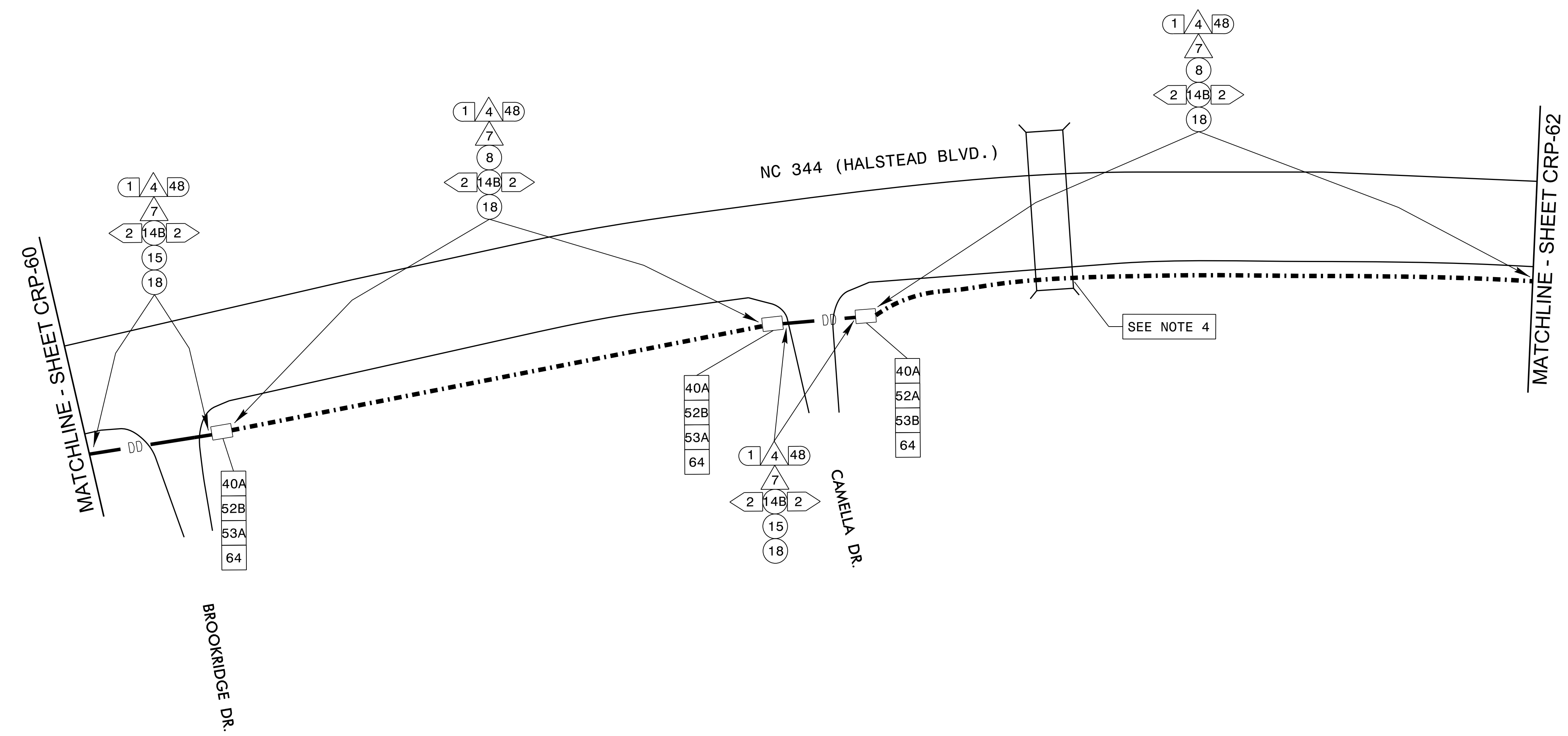
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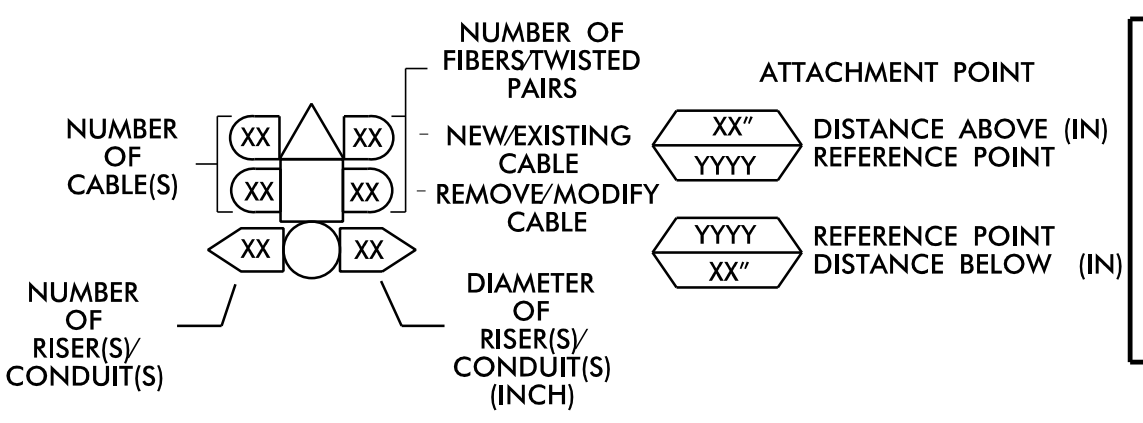
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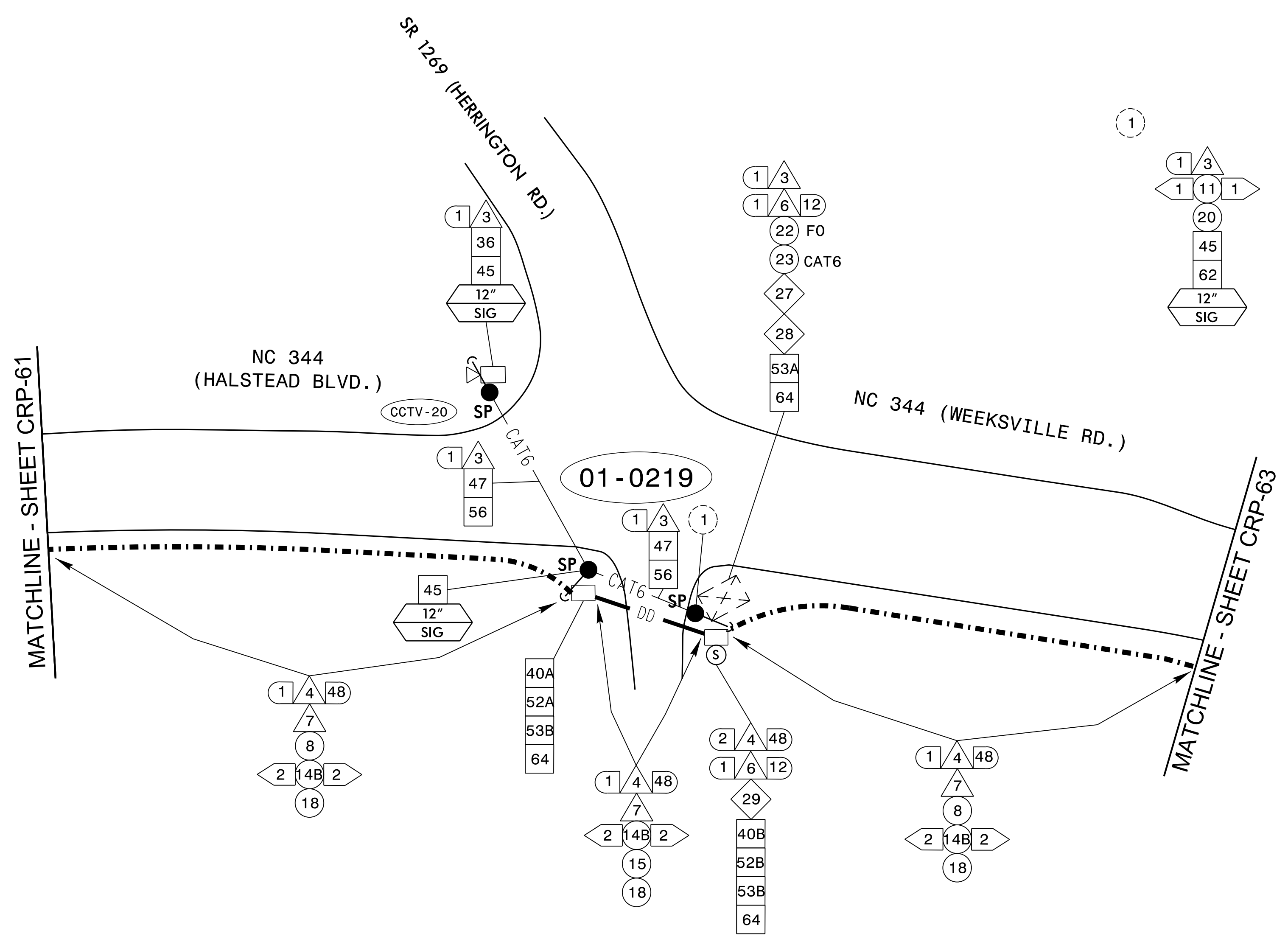
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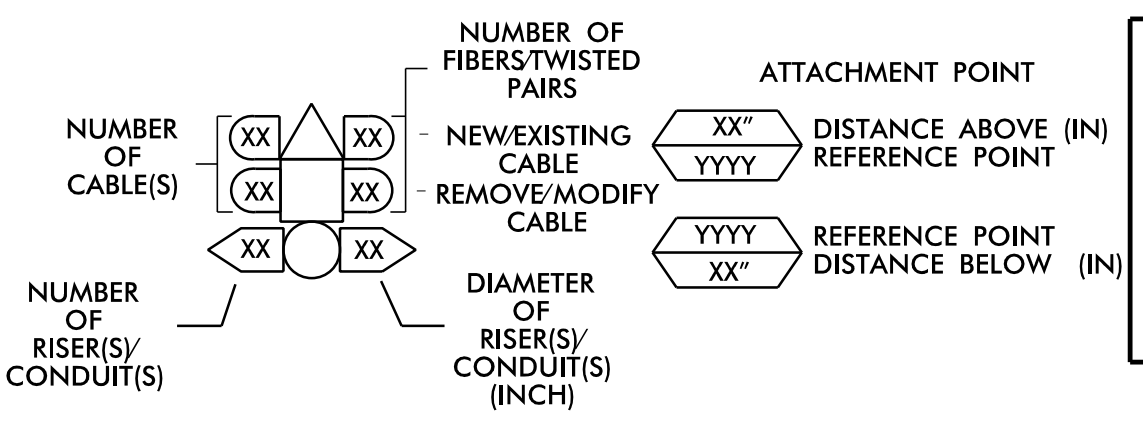
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14A	NOT USED	27	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	41	REMOVE EXISTING JUNCTION BOX	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE		
14B	INSTALL POLYETHYLENE CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	42	INSTALL WOOD POLE	54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE		



**PLANS PREPARED BY :**  
**RK&K**  
 RUMMEL, KLEPPER & KAHL, LLP  
 900 RIDGEFIELD DRIVE SUITE 350  
 RALEIGH, NORTH CAROLINA 27609-3960  
 NC LICENSE NO. F-0112 • (919) 878-9560

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City  
 PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN  
 PREPARED BY: A. TUTT REVIEWED BY:

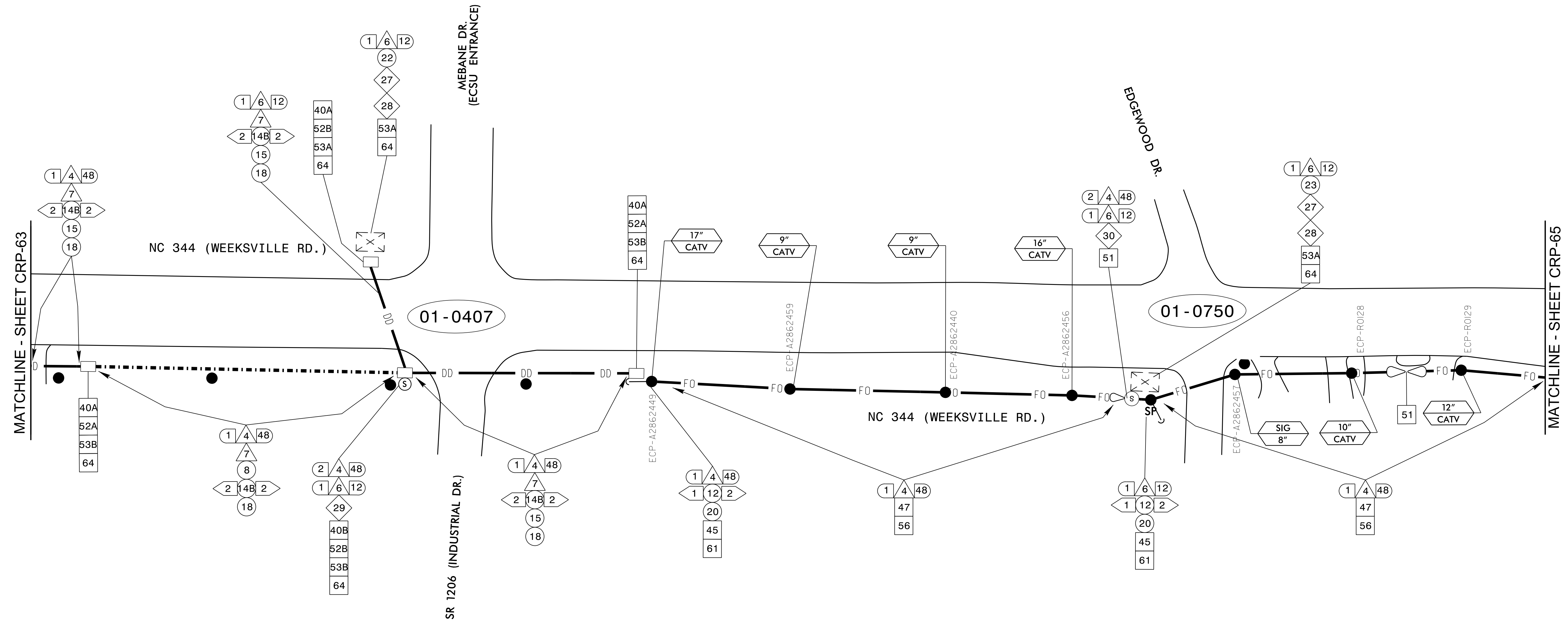
REVISIONS: INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529  
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 1" = 50'

DocuSigned by: 8/23/2018  
  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 033753  
 C. BYRON HOLDEN  
 DATE: \_\_\_\_\_  
 CADD Filename: \_\_\_\_\_

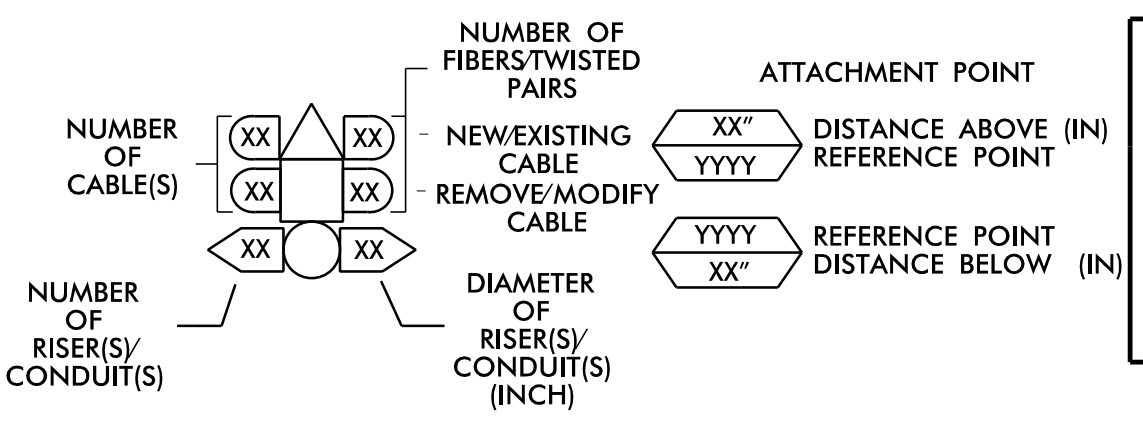






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3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
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8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
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Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: January 2019 REVIEWED BY: B. HOLDEN

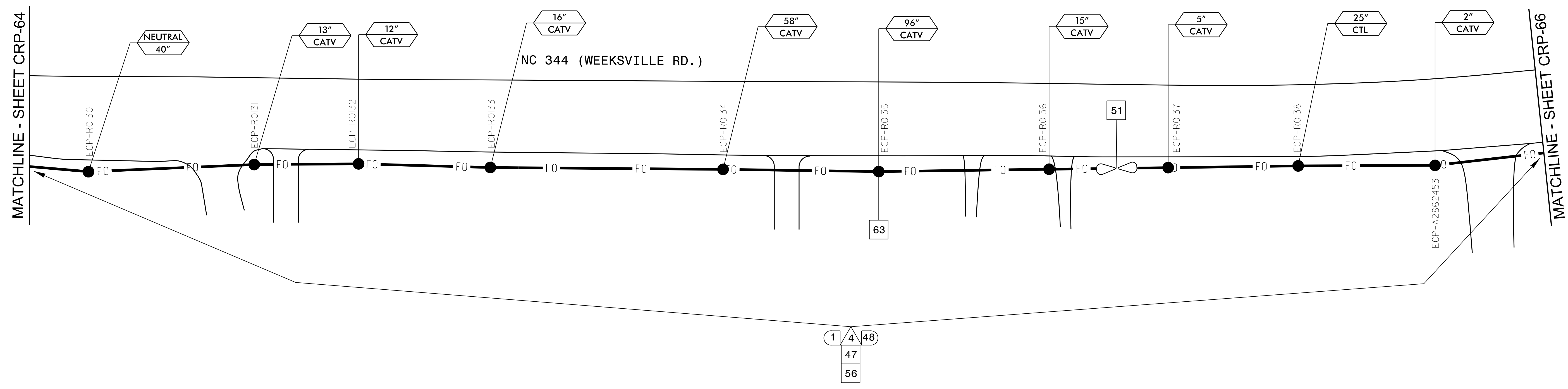
PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

Signature: *C. Byron Holden* 1/4/2019

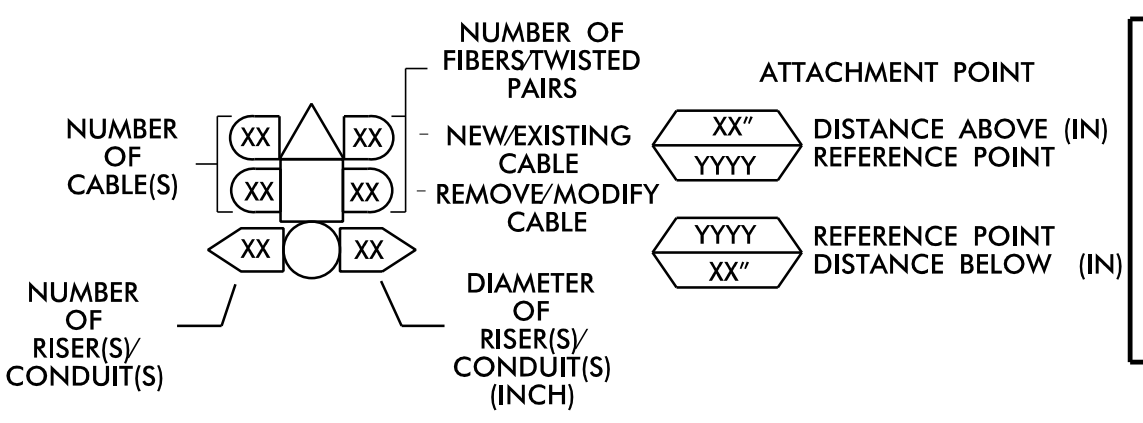
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CADD Filename: \_\_\_\_\_



NOTES:  
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 -ATTACH NEW MESSENGER CABLE 40\"/>

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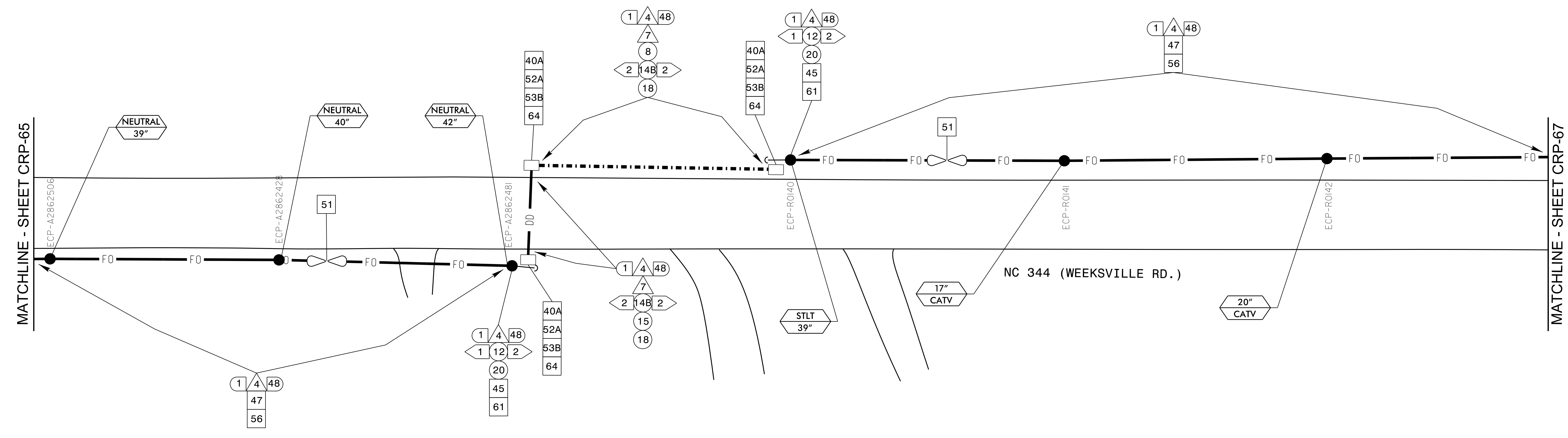


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Prepared for the Offices of:  

 Elizabeth City Signal System Cable Routing Plans  
 Division 1 Pasquotank County Elizabeth City  
 PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN  
 PREPARED BY: A. TUTT REVIEWED BY:  
 REVISIONS: INIT. DATE  
 DocuSigned by: 8/23/2018  
 C. Byrum Holden  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 033753  
 C. BYRUM HOLDEN  
 DATE  
 CADD Filename:





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NUMBER OF CABLE(S)

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBER/TWISTED PAIRS

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

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

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

REFERENCE POINT DISTANCE BELOW (IN)

**PLANS PREPARED BY :**

**RK&K**

RUMMEL, KLEPPER & KAHL, LLP  
 900 RIDGEFIELD DRIVE SUITE 350  
 RALEIGH, NORTH CAROLINA 27609-3960  
 NC LICENSE NO. F-0112 • (919) 878-9560

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE

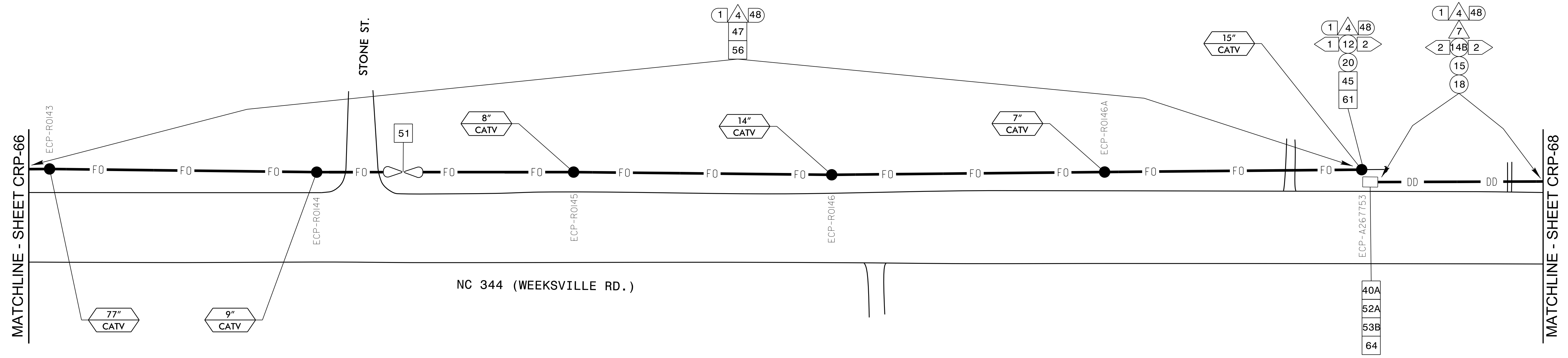
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DocuSigned by: *C. Byron Holden* 8/23/2018

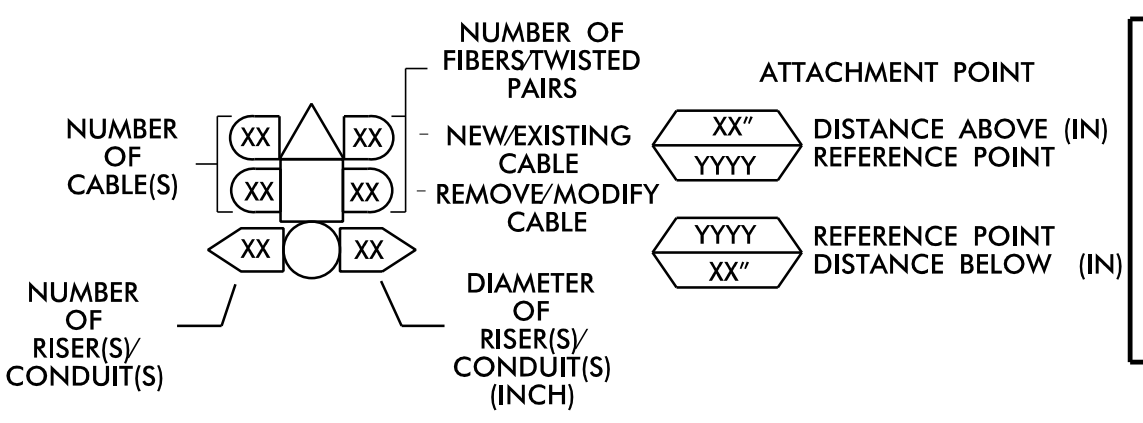
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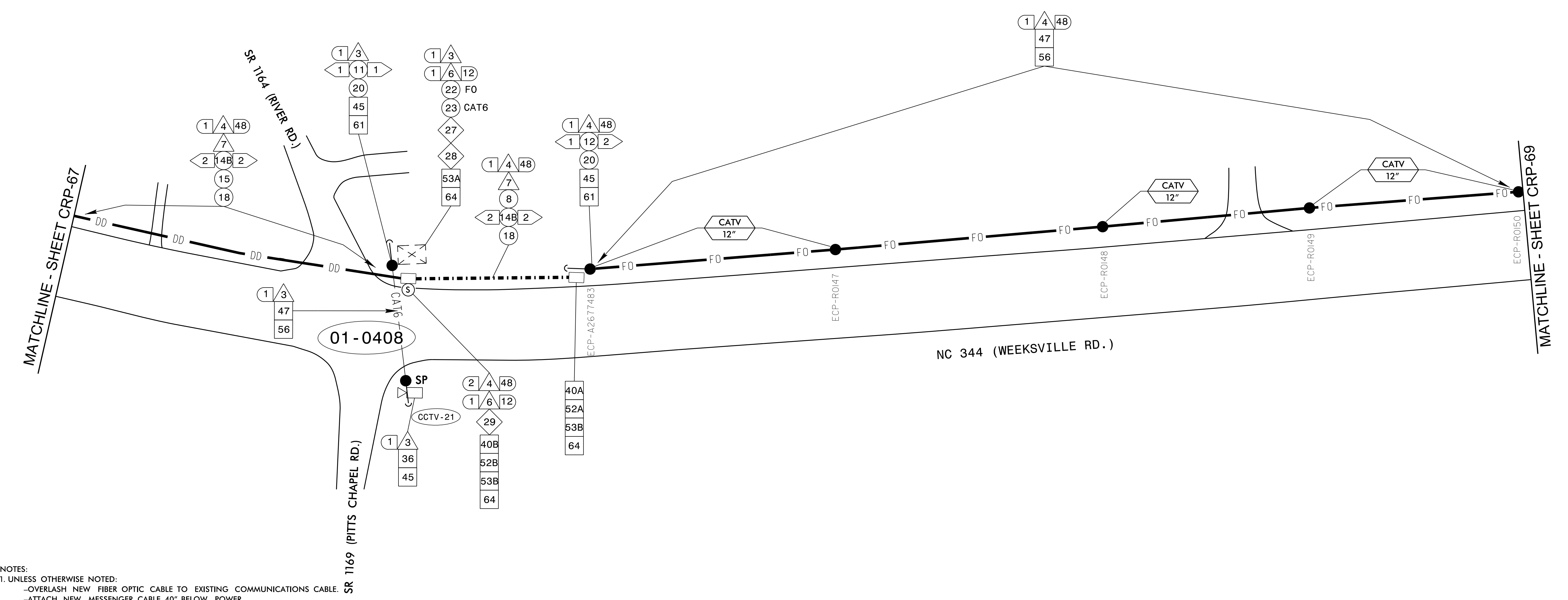
**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City  
 PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN  
 PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

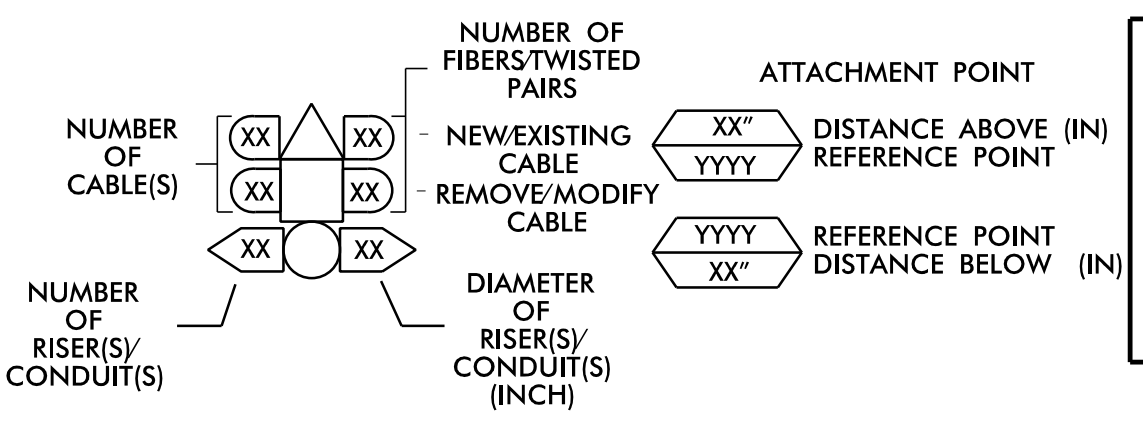
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PLANS PREPARED BY :

**RK&K**

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Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

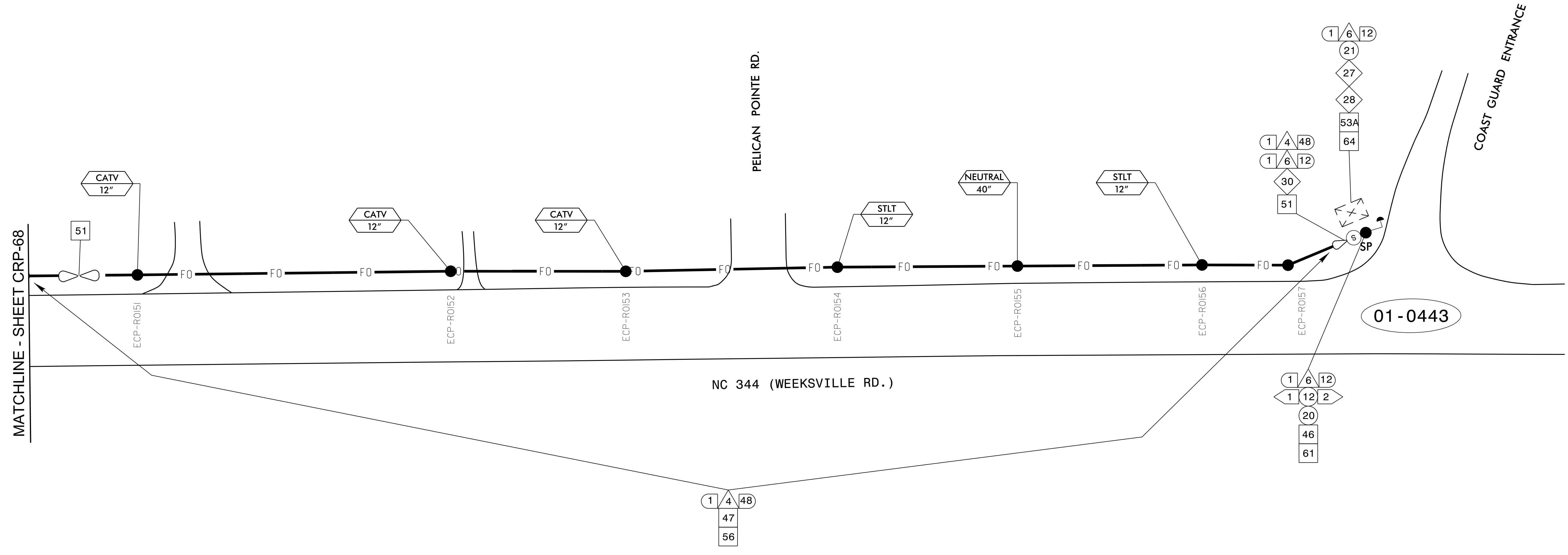
PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 50  
1" = 50'

DocuSigned by: 8/23/2018  
 C. Byron Holden  
 SIGNATURE DATE  
 CADD Filename:



NOTES:  
 1. UNLESS OTHERWISE NOTED:  
 -OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.  
 -ATTACH NEW MESSENGER CABLE 40" BELOW POWER  
 -ATTACH ON FRONT SIDE (FS) OF POLE  
 2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX/CABINET ENTRANCES.  
 3. ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL.  
 CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN ON THESE PLANS.

1	NOT USED	15	DIRECTIONAL DRILL CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	43	NOT USED	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY	57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY	58	NOT USED
5	NOT USED	19	INSTALL CABLE(S) IN EXISTING RISER	33	NOT USED	47	INSTALL MESSENGER CABLE	59	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE	61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED	62	BOND RISER TO POLE GROUND
9	INSTALL PVC CONDUIT	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	37	INSTALL CCTV CAMERA 50' WOOD POLE	50	NOT USED	63	BOND MESSENGER CABLE TO POLE GROUND
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	38	NOT USED	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF EACH CABLE	64	INSTALL MOLDABLE DUCT SEAL
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	39	INSTALL JUNCTION BOX	52A	INSTALL DELINEATOR MARKER	65	SLACK SPAN
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26A	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	52B	INSTALL JUNCTION BOX MARKER		
13	INSTALL HEAT SHRINK TUBING RETROFIT KIT	26B	MODIFY/RELOCATE EXISTING FIBER OPTIC TRANSCEIVER	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	53A	STORE 30 FEET OF COMMUNICATIONS CABLE		
14A	NOT USED	27	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	41	REMOVE EXISTING JUNCTION BOX	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE		
14B	INSTALL POLYETHYLENE CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	42	INSTALL WOOD POLE	54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE		

NUMBER OF CABLE(S) [XX] [XX] [XX] [XX]

NUMBER OF RISER(S)/CONDUIT(S) [XX] [XX]

DIAMETER OF RISER(S)/CONDUIT(S) (INCH) [XX"]

NEW/EXISTING CABLE [XX] [XX]

REMOVE/MODIFY CABLE [XXXX]

ATTACHMENT POINT [XX"] [XXXX]

DISTANCE ABOVE (IN) REFERENCE POINT [XXXX]

REFERENCE POINT DISTANCE BELOW (IN) [XX"]

**PLANS PREPARED BY :**

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Prepared for the Offices of:

**Elizabeth City Signal System Cable Routing Plans**

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by: *C. Byron Holden* 8/23/2018

DATE: \_\_\_\_\_

CADD Filename: \_\_\_\_\_

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 033753

C. BYRON HOLDEN



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**PASQUOTANK COUNTY**

**TRAFFIC CONTROL NARRATIVE**

STEP 1: PERFORM ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED SIGNALS AND TRAFFIC MANAGEMENT SYSTEM AS SHOWN IN THE CONTRACT, CONSTRUCTION PLANS AND/OR SPECIAL PROVISIONS IN ACCORDANCE WITH THE "NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES - JANUARY 2018."

NOTE: ADDRESS AND SAFETY HAZARDS CONCERNING MOTORISTS AND PEDESTRIANS BEFORE REMOVING TEMPORARY TRAFFIC CONTROL DEVICES AND WORK ZONE WARNING SIGNS. RETURN TRAFFIC TO ITS EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.

NOTE: INSTALL CHANGEABLE MESSAGE SIGNS IN ADVANCE OF THE WORK ZONE AS DIRECTED BY THE ENGINEER.

NOTE: REMOVE ALL TEMPORARY TRAFFIC CONTROL LANE CLOSURE DEVICES AND RETURN TRAFFIC TO ITS EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.

NOTE: WHEN CHANGING OUT CONTROLLER CABINETS, USE LAW ENFORCEMENT TO DIRECT TRAFFIC THROUGH THE INTERSECTION WHILE TRAFFIC SIGNAL IS NOT IN OPERATION. DO NOT TAKE TRAFFIC SIGNAL OUT OF OPERATION FOR MORE THAN 3 HOURS AT A GIVEN INTERSECTION.

NOTE: CONSTRUCT NEW CONDUIT ENTRANCES INTO EXISTING CONTROLLER CABINET FOUNDATIONS WHILE MAINTAINING THE OPERATIONS OF THE EXISTING TRAFFIC SIGNAL WHEREVER POSSIBLE. WHEN TRAFFIC SIGNAL MUST BE TAKEN OUT OF OPERATION TO CONSTRUCT A CONDUIT ENTRANCE INTO AN EXISTING CONTROLLER CABINET FOUNDATION AND SUBJECT TO THE ENGINEER'S APPROVAL, USE LAW ENFORCEMENT TO DIRECT TRAFFIC THROUGH THE INTERSECTION WHILE THE TRAFFIC SIGNAL IS OUT OF OPERATION. DO NOT TAKE A TRAFFIC SIGNAL OUT OF OPERATION WITHOUT THE PRIOR APPROVAL OF THE ENGINEER AND DO NOT TAKE THE TRAFFIC SIGNAL OUT OF OPERATION FOR MORE THAN ONE HOUR AT A GIVEN INTERSECTION. DO NOT TAKE ANY TRAFFIC SIGNAL OUT OF OPERATION TO PERFORM CONTROLLER CABINET CHANGEOUT BETWEEN THE HOURS OF 3:00 PM AND 9:00 AM THE FOLLOWING MORNING.

NOTE: WHEN CONSTRUCTING/REMOVING SIGNAL POLE STRUCTURES OR FOOTINGS ADJACENT TO TRAFFIC OR SIDEWALKS, INSTALL 1" TEMPORARY A36 STEEL PLATES OR ORANGE TREE PROTECTION FENCING AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, IN STELS 'A' THRU 'E'.

A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2, & 3 OF 15.  
OR  
USING SHEET TMP-2 AS A GUIDE, AND AS DIRECTED BY THE ENGINEER CLOSE THE APPROPRIATE SIDEWALK UTILIZING TYPE III BARRICADES WITH SIGNS ATTACHED.

B: CONSTRUCT PROPOSED OR REMOVE EXISTING STRUCTURE AS SHOWN IN THE CABLE ROUTING PLANS AND/OR SIGNAL PLANS. PROTECT MOTORISTS AND PEDESTRIANS FROM OPEN EXCAVATIONS OR OTHER HAZARDS POSED BY INCOMPLETE CONSTRUCTION WORK, BY ONE OF A COMBINATION OF THE FOLLOWING METHODS AS APPROVED BY THE ENGINEER:

- 1) COVER AREA WITH 1" TEMPORARY A36 STEEL PLATES
- 2) COMPLETELY SURROUND AREA WITH AN ORANGE TREE PROTECTION FENCE

C: OPEN TRAVEL LANE OR SIDEWALK TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1, 2, & 3 OF 15;  
OR  
USING SHEET TMP-2 AS A GUIDE, AND AS DIRECTED BY THE ENGINEER CLOSE THE APPROPRIATE SIDEWALK UTILIZING TYPE III BARRICADES WITH SIGNS ATTACHED;

BACKFILL AND PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT OR SIDEWALK (SEE CABLE ROUTING PLANS AND/OR SIGNAL PLANS).

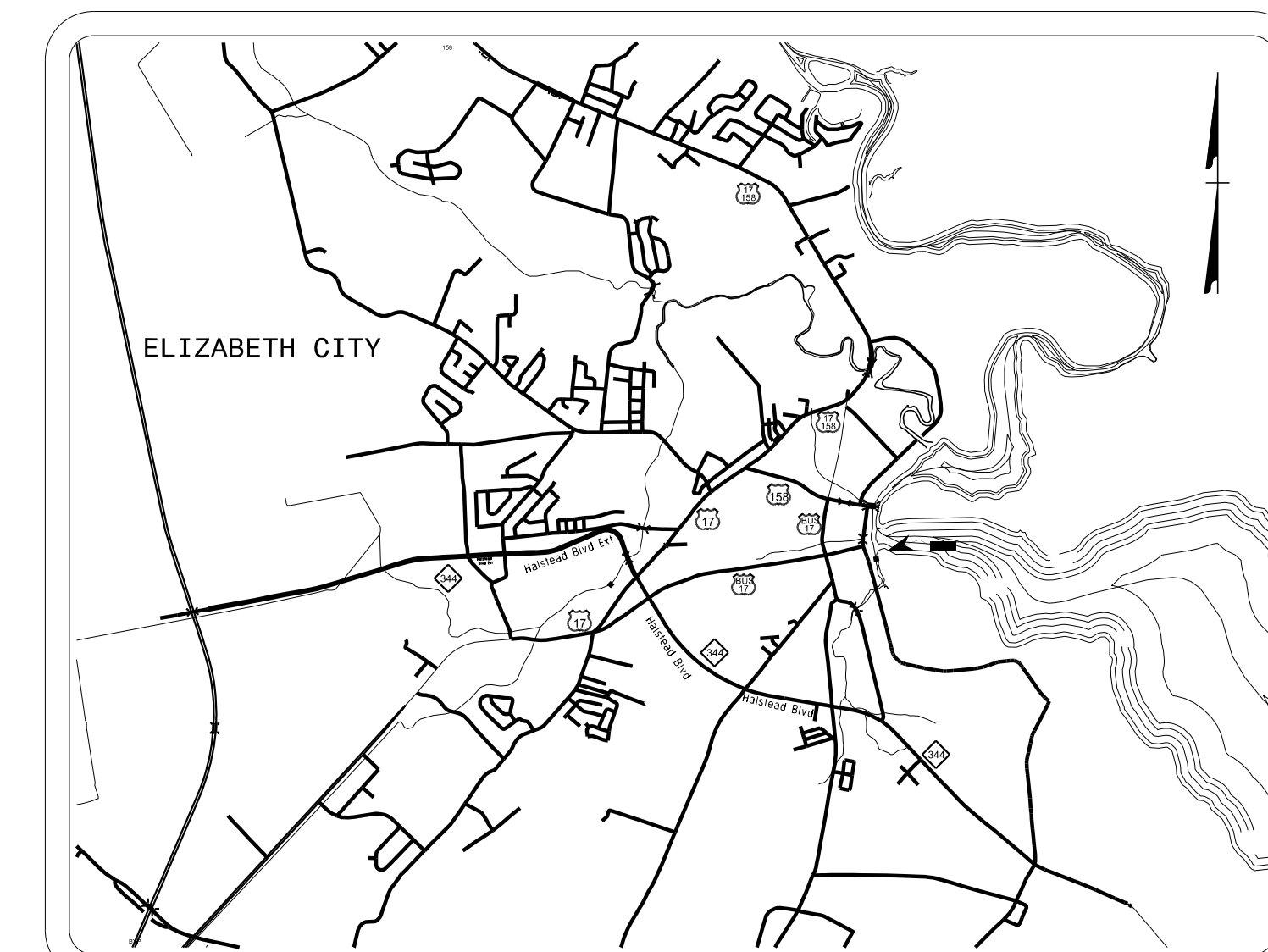
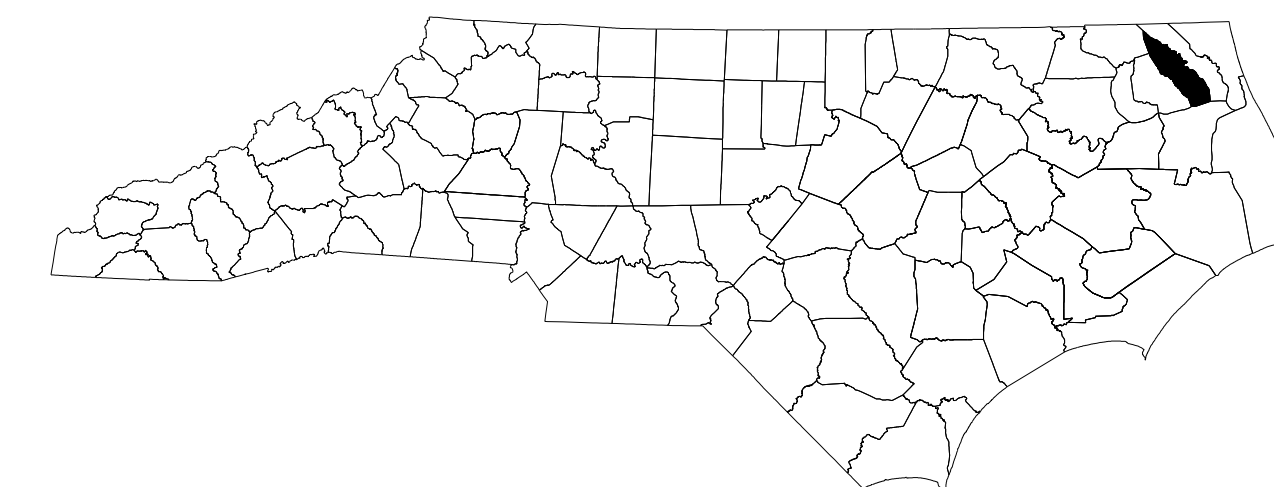
E: OPEN TRAVEL LANE OR SIDEWALK TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

NOTE: USE RSD 1101.03, SHEET 8 OF 9 (FLAGGERS), TO TEMPORARILY STOP TRAFFIC WHEN INSTALLING MESSENGER AND CABLE OR REMOVING EXISTING MESSENGER AND CABLE OVER A TWO-LANE, TWO-WAY ROAD. USE RSD 1101.03, SHEET 9 OF 9 (ROLLING ROADBLOCK), TO TEMPORARILY STOP TRAFFIC WHEN INTSALLING MESSENGER AND CABLE OR REMOVING EXISTING MESSENGER AND CABLE OVER A MULTI-LANE ROADWAY.

STEP 2: UPON COMPLETION OF THE PROJECT, REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2	TYPICAL SIDEWALK CLOSURE AND PEDESTRIAN DETOUR

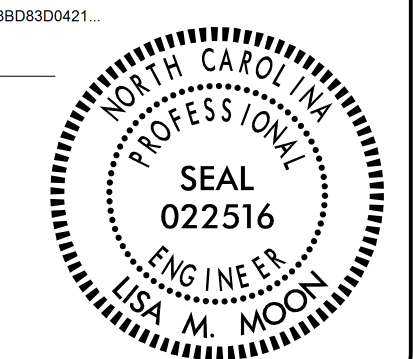


VICINITY MAP

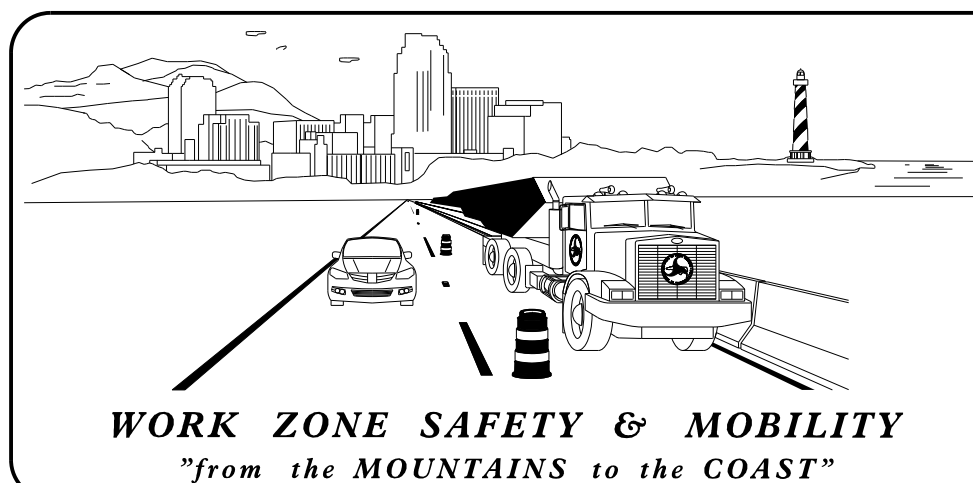
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DATE: 8/22/2018



SEAL



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Rachel Lawton, E.I.

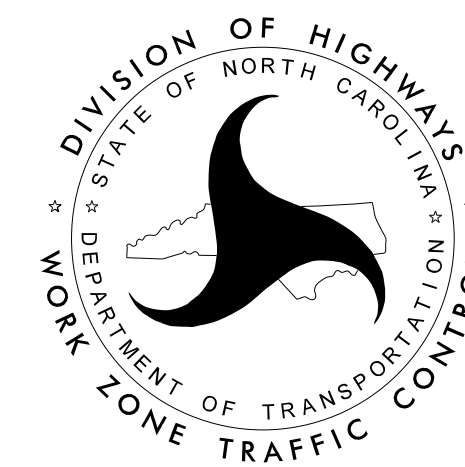
NCDOT CONTACTS:

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STATE TRAFFIC  
MANAGEMENT ENGINEER

Steve Kite, P.E.

TRAFFIC CONTROL  
PROJECT ENGINEER



# ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES

# LEGEND

## GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- REMOVAL
- USER DEFINED (IF NEEDED)
- USER DEFINED (IF NEEDED)

## SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

## PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

## TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

## TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

## PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

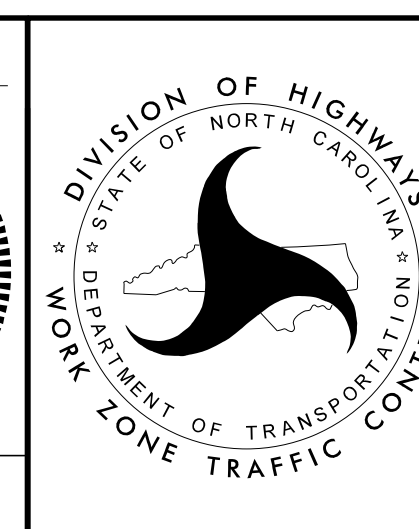
## PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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ROADWAY STANDARD DRAWINGS & LEGEND

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