

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

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

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

ATTACHMENT POINT [XX] [XXXX]

DISTANCE ABOVE (IN) REFERENCE POINT [XXXX]

DISTANCE BELOW (IN) REFERENCE POINT [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

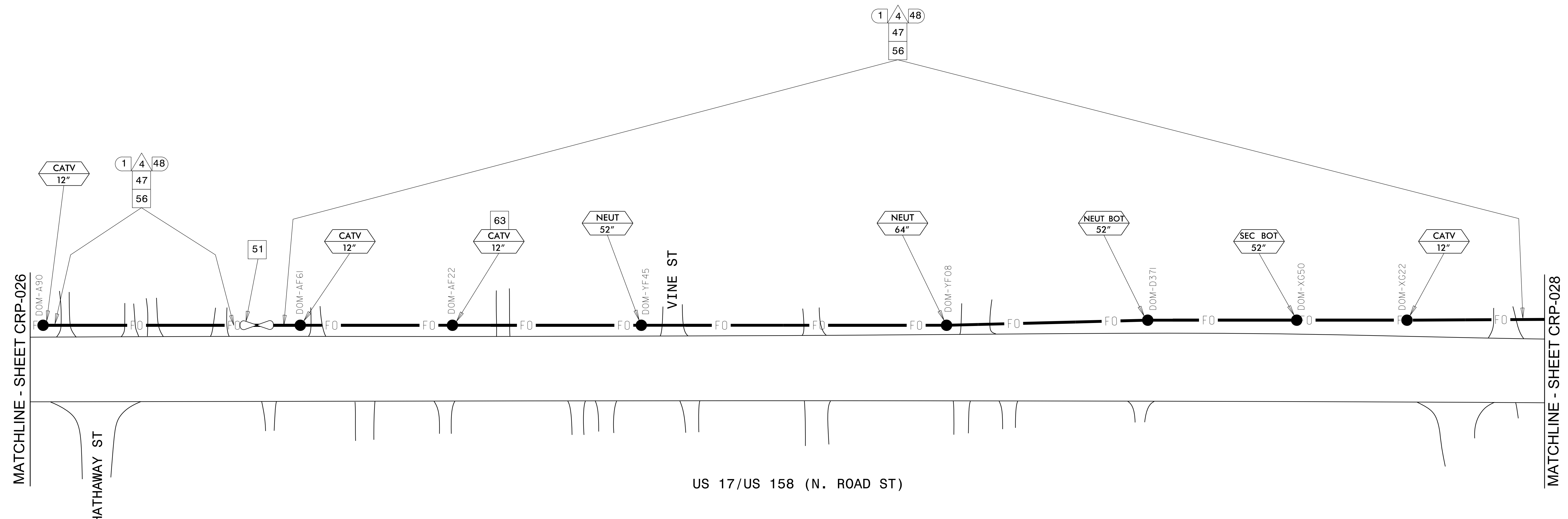
PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL
LISA M. MOON
ENGINEER
022516
8/22/2018

SCALE: 0 50
1" = 50'

22-AUG-2018 10:05 AM C:\Users\lmooon\OneDrive\Documents\Projects\2018\CRP-026.dgn



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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:

SEAL

DRMP

SEAL 022516

8/22/2018

DATE

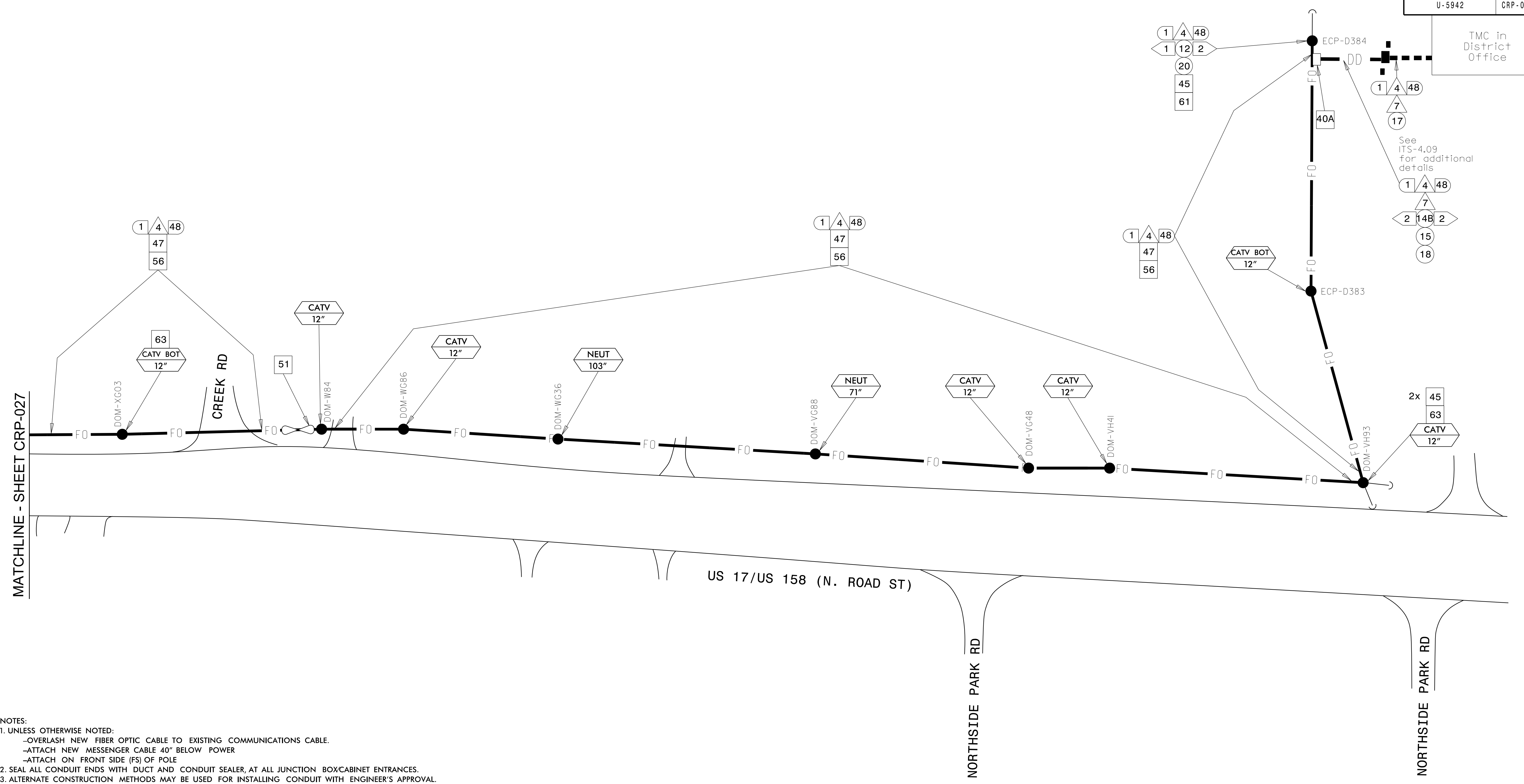
CADD File name: CRP-027.dgn

SCALE 0 50

1" = 50'

TMC in District Office

See ITS-4.09 for additional details



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NUMBER OF RISER(S)/CONDUIT(S)

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

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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

8/22/2018

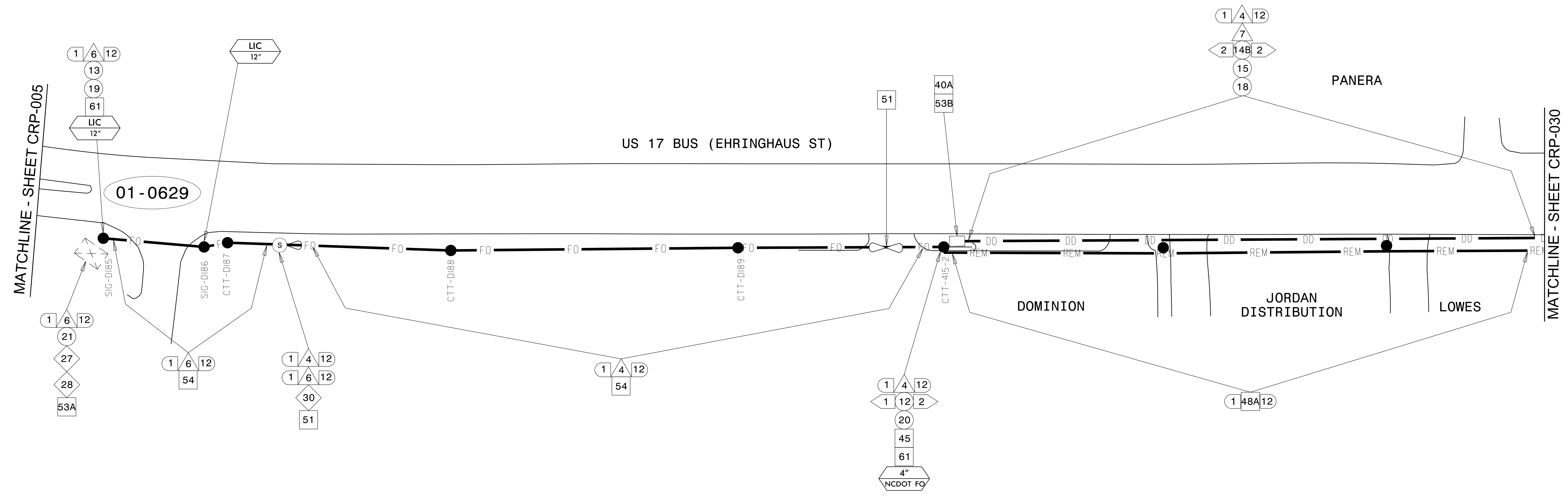
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CADD File name: CRP-028.dgn

SCALE

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

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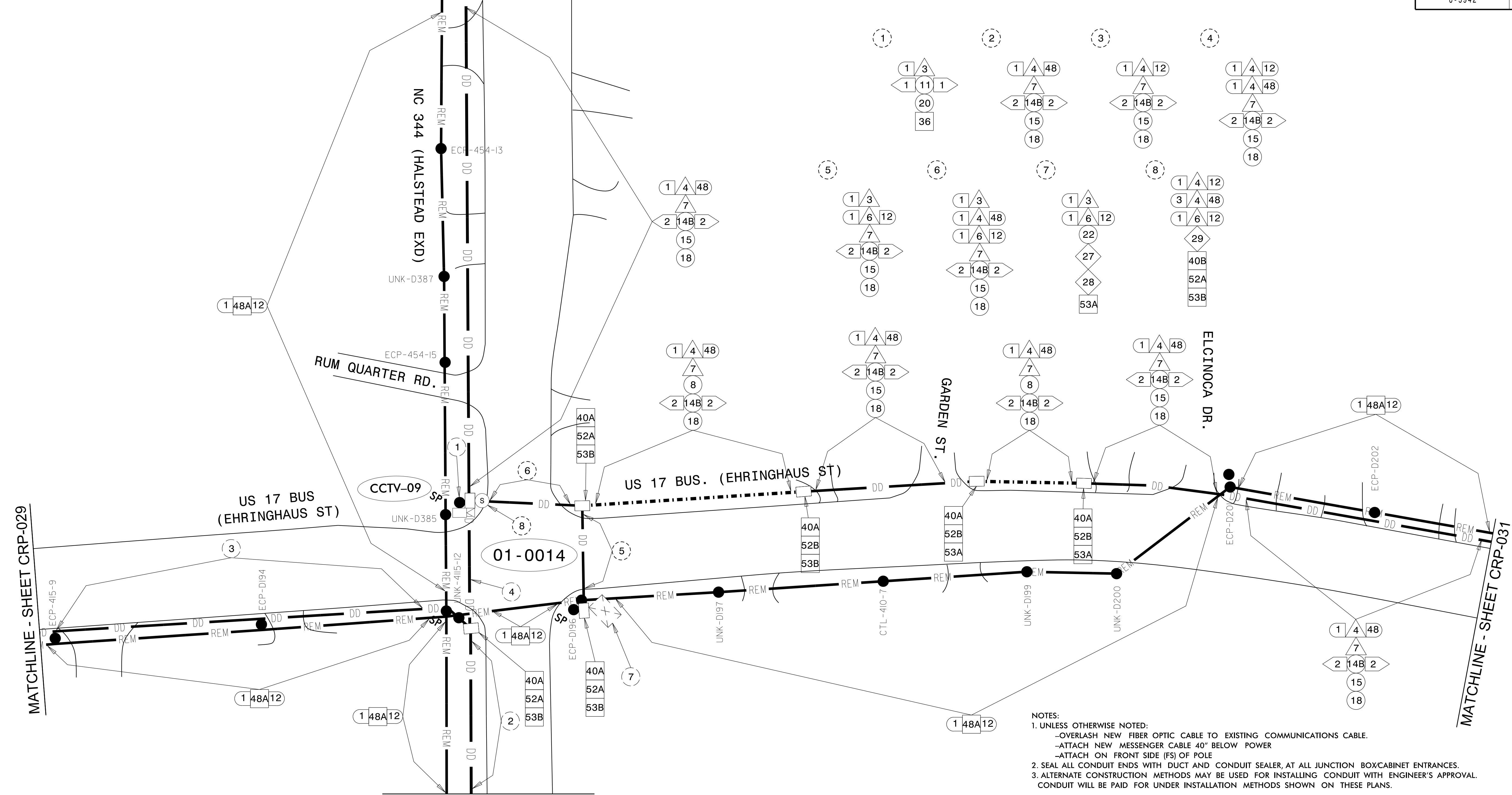
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REVISIONS	INIT.	DATE

CADD File name: CRP-029.dgn

MATCHLINE - SHEET CRP-008



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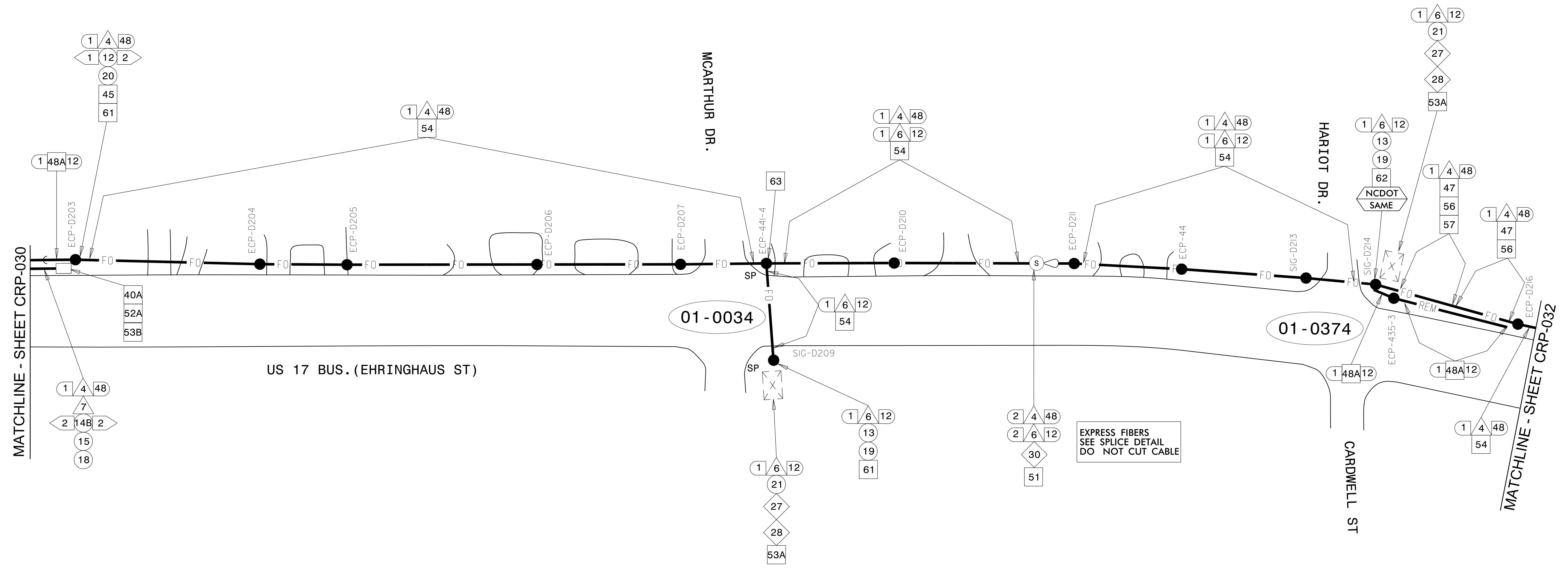
Prepared for the Offices of:

 Elizabeth City Signal System
 Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVISIONS: _____ INIT. DATE: _____
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 SCALE: 1" = 50'

Seal: **LISA M. MOON**, PROFESSIONAL ENGINEER, No. 022516, State of North Carolina. Date: 8/22/2018.
 CADD File name: CRP-030.dgn

22-AUG-2018 10:55 AM \\s:\projects\2018\08\08-Elizabeth City Signal System\CRP-030.dgn



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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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Plans Prepared By:

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

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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:

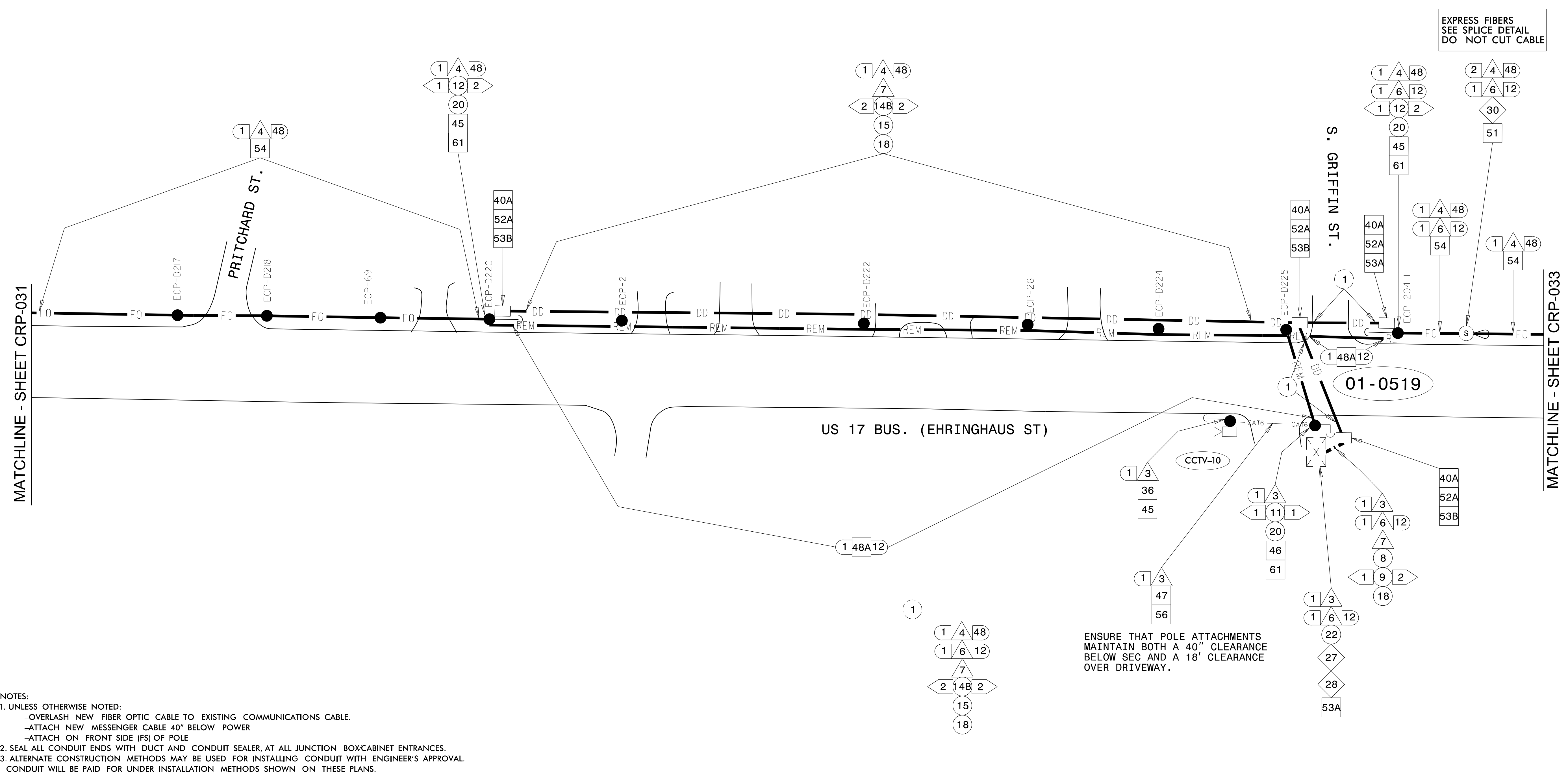
REVISIONS: _____ INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 50
 1" = 50'

Seal of Lisa M. Moon, Professional Engineer, License No. 022516, dated 8/22/2018.

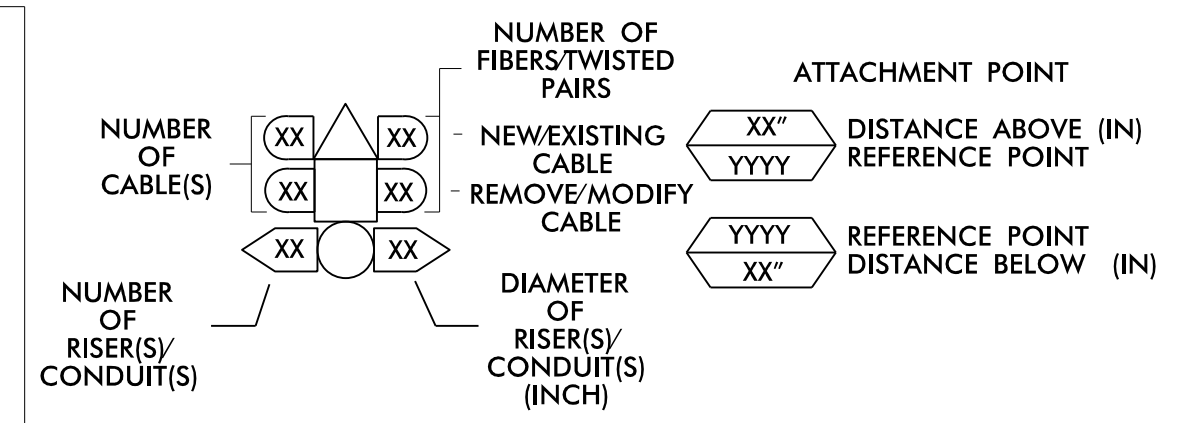
CADD File name: CRP-031.dgn



NOTES:
 1. UNLESS OTHERWISE NOTED:
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ENSURE THAT POLE ATTACHMENTS MAINTAIN BOTH A 40" CLEARANCE BELOW SEC AND A 18' CLEARANCE OVER DRIVEWAY.



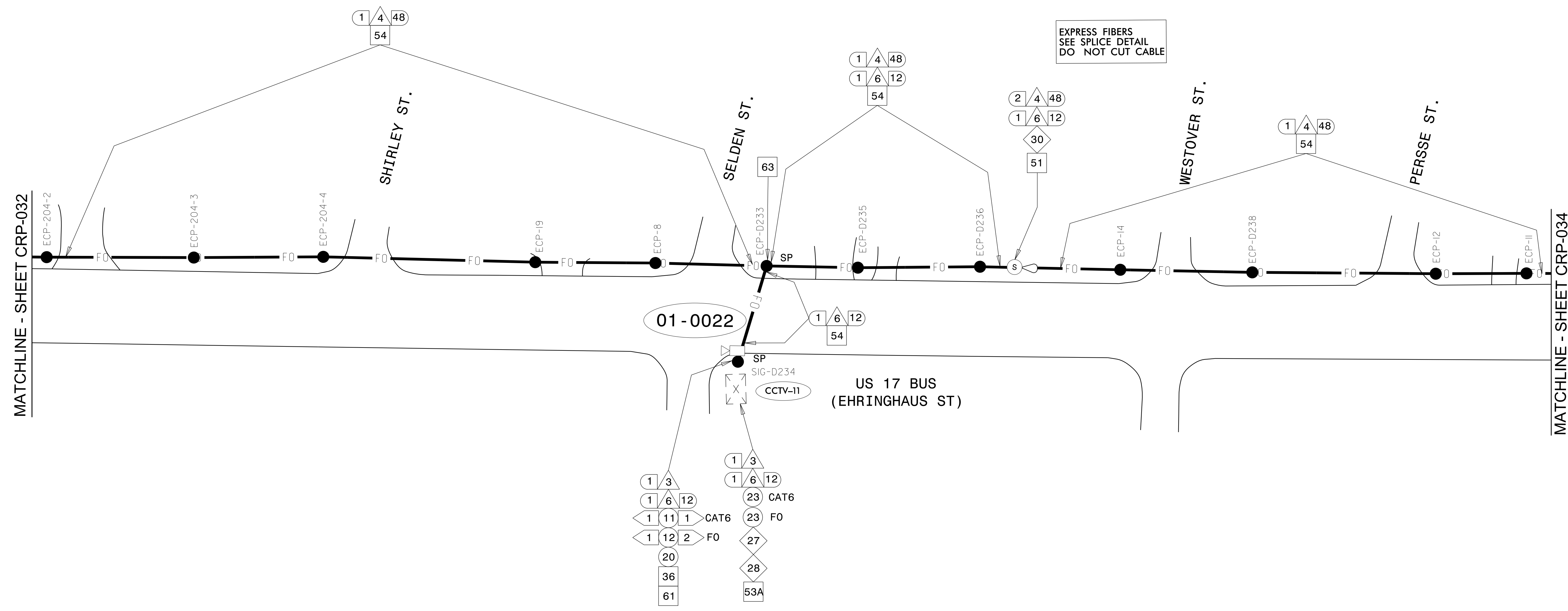
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Elizabeth City Signal System Cable Routing Plans
 Division 1 Pasquotank County Elizabeth City
 PLAN DATE: April 2018 REVIEWED BY: LM Moon
 PREPARED BY: RD Lawton REVIEWED BY:
 REVISIONS: INIT. DATE
 SCALE: 1" = 50'
 SEAL: LISA M. MOON, PROFESSIONAL ENGINEER, No. 22516, DATE: 8/22/2018
 CADD File name: CRP-032.dgn

22-AUG-2018 10:06 AM \\s:\projects\2018\08\08-0001\032.dgn



EXPRESS FIBERS
SEE SPLICE DETAIL
DO NOT CUT CABLE

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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

DISTANCE BELOW (IN) REFERENCE POINT

Plans Prepared By:

DRMP

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

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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

PROFESSIONAL ENGINEER

SEAL 022516

LISA M. MOON

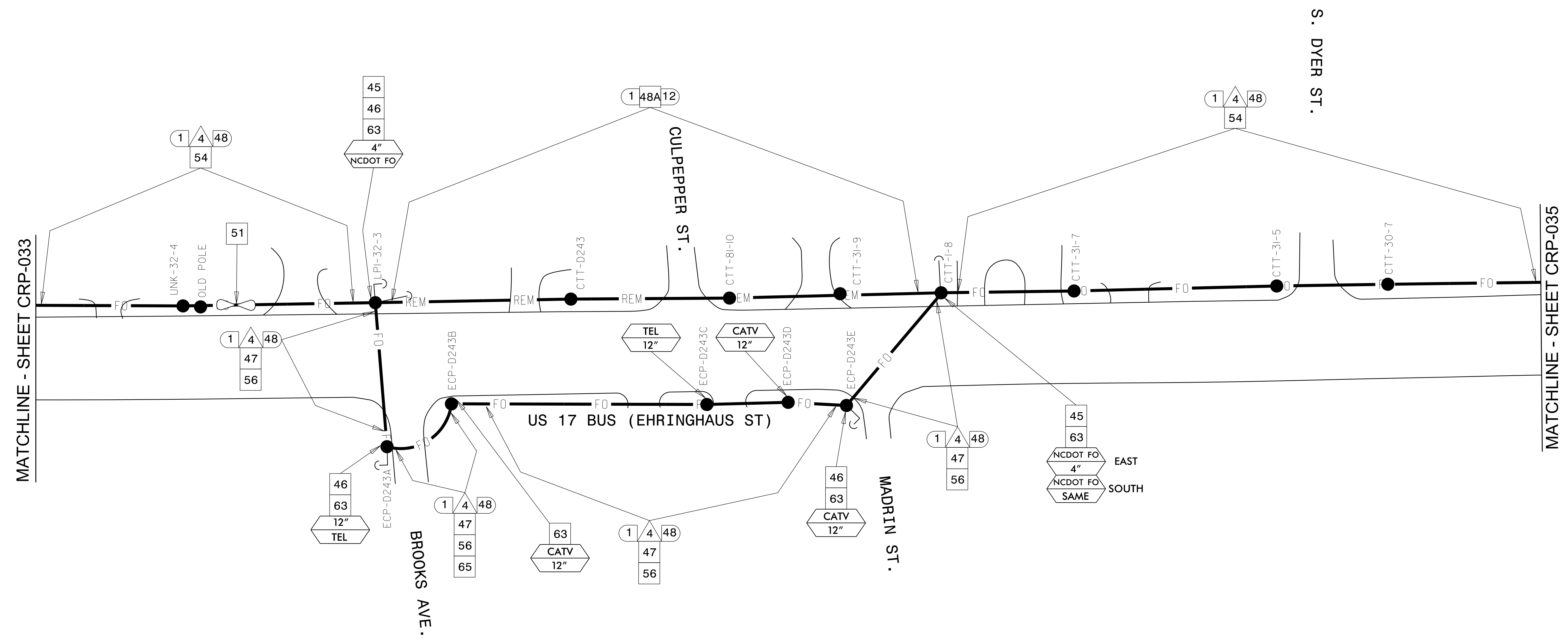
8/22/2018

DATE

CADD File name: CRP-033.dgn

SCALE 0 50

1" = 50'



NOTES:
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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: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS

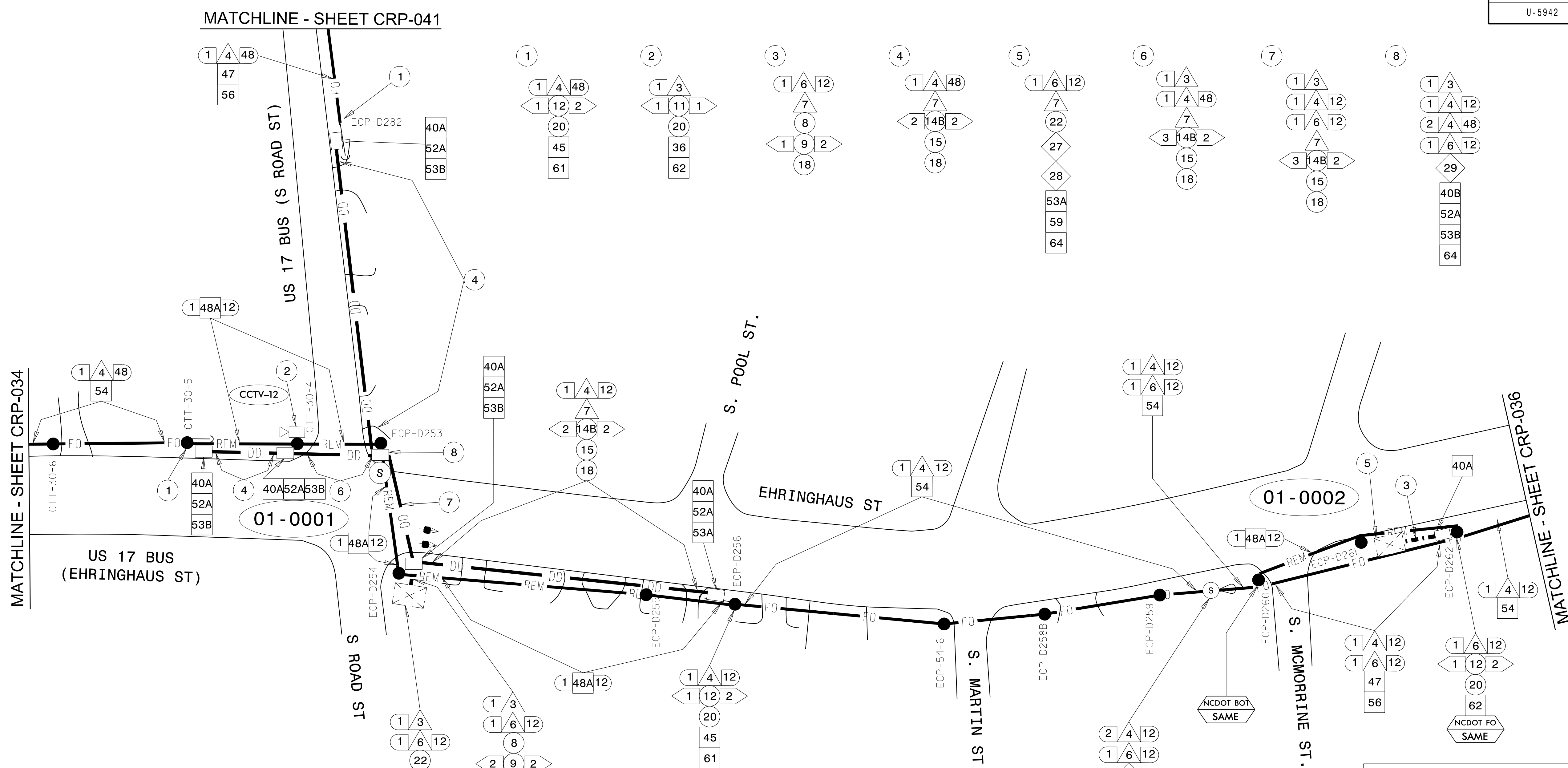
INIT. DATE

9/20/2018

DocuSigned by: Lisa M. Moon

SCALE: 1" = 50'

CADD File name: CRP-034.dgn



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 Elizabeth City Signal System

Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City
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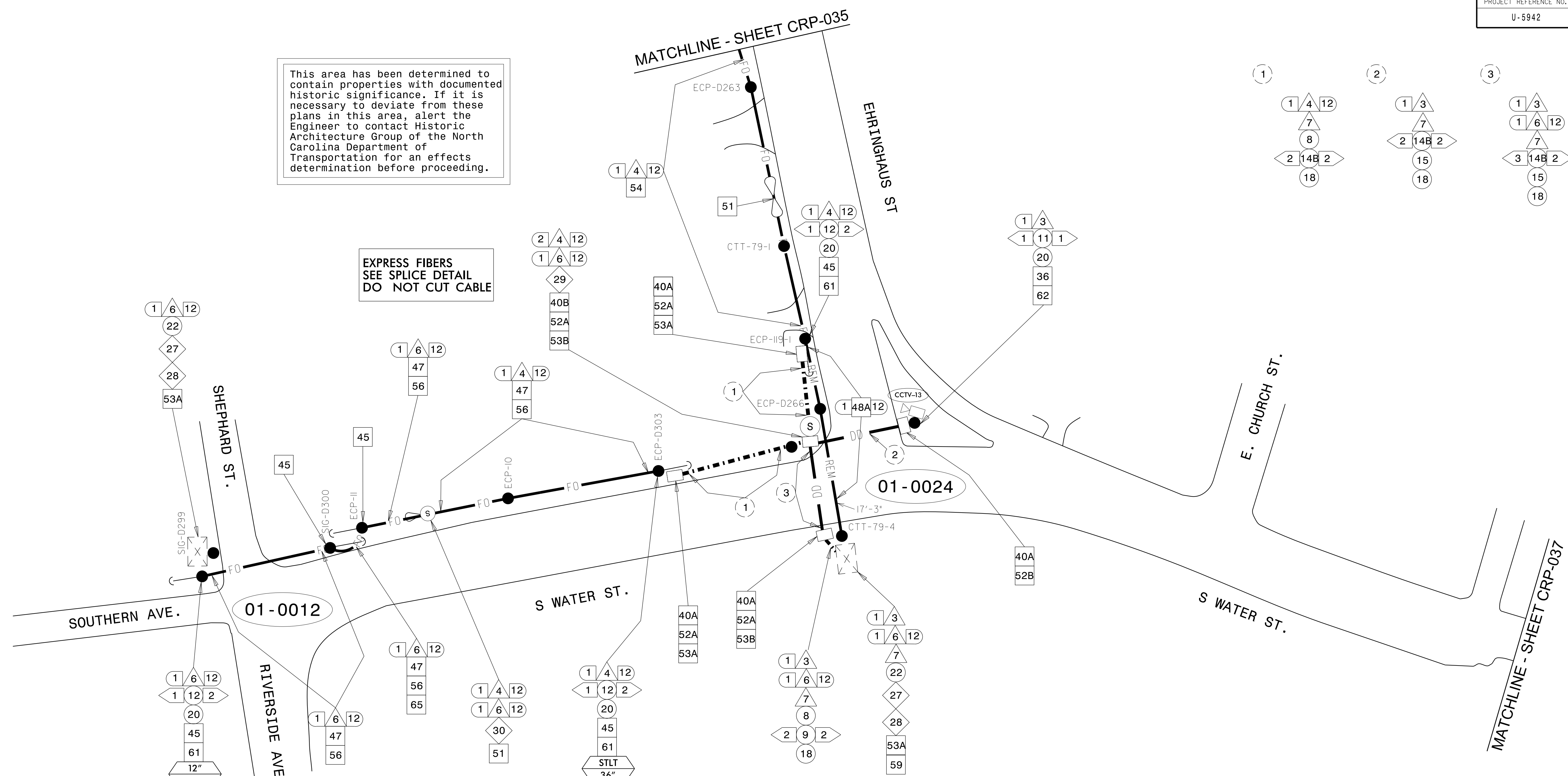
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 SCALE: 0 50
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SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 022516
 LISA M. MOON
 DATE: 9/21/2018
 CADD File name: CRP-035.dgn

21-SEP-2018 14:21 P:\Projects\2018\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



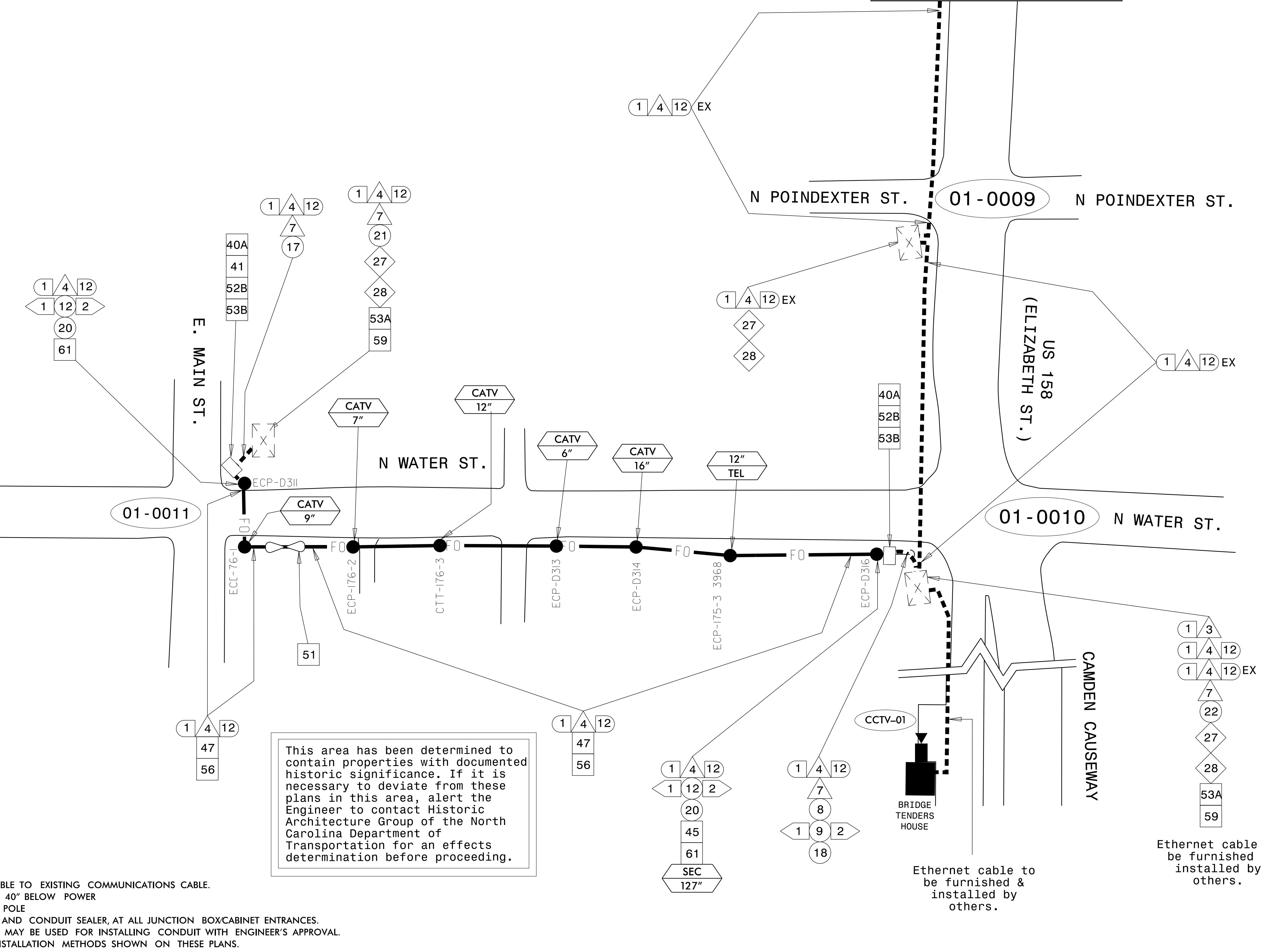
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Legend table with 65 numbered items describing cable and conduit installation methods, such as 'NOT USED', 'INSTALL ETHERNET CABLE', 'DIRECTIONAL DRILL CONDUIT', 'INSTALL UNDERGROUND SPLICE ENCLOSURE', etc.

Technical drawing details including:
- Cable symbols for fiber/twisted pairs, riser/duct, and conduit.
- Attachment point symbols for distance above/below reference points.
- 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: [Signature].
- Scale: 1" = 50'.
- Date: 9/21/2018.
- File name: CRP-036.dgn.

MATCHLINE - SHEET CRP-036

MATCHLINE - SHEET CRP-038



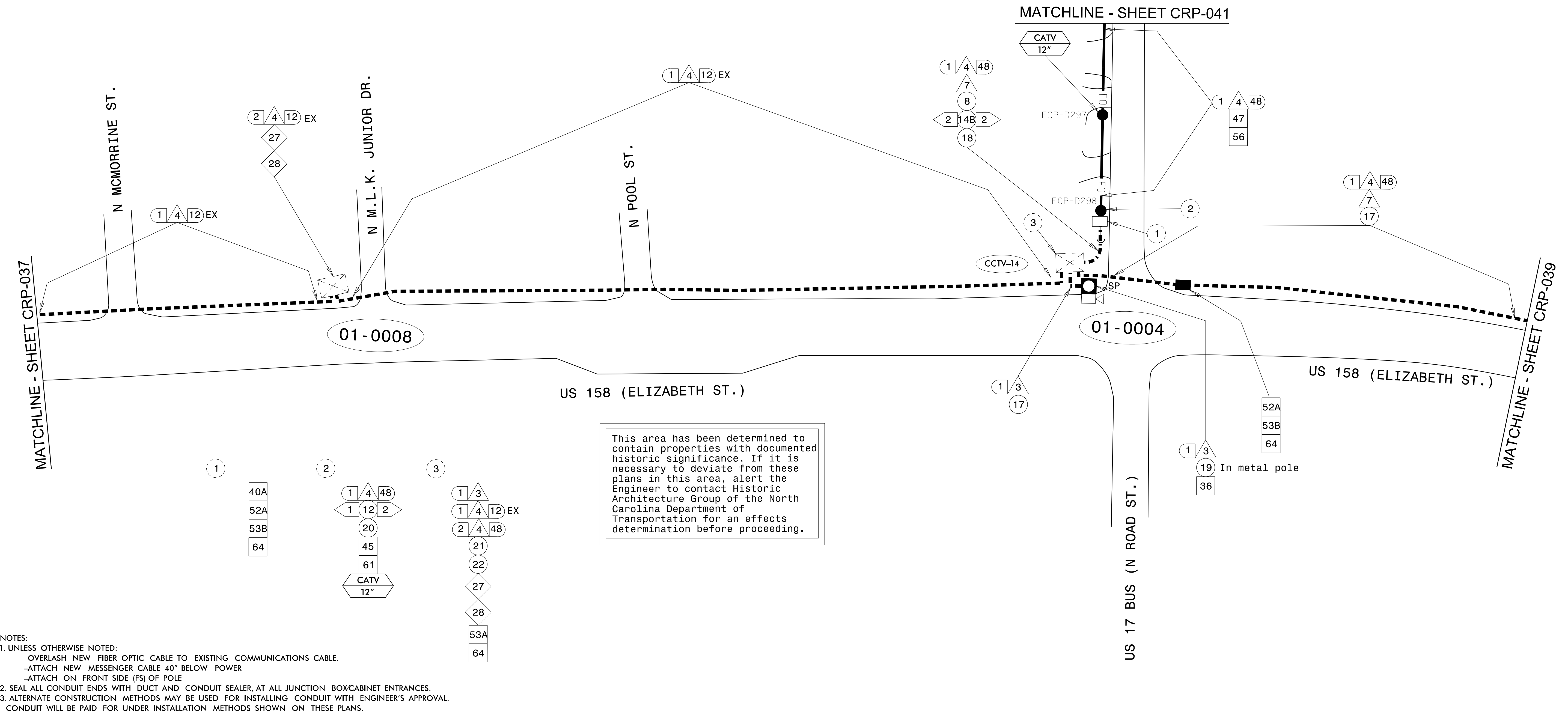
This area has been determined to contain properties with documented historic significance. If it is necessary to deviate from these plans in this area, alert the Engineer to contact Historic Architecture Group of the North Carolina Department of Transportation for an effects determination before proceeding.

- 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.

Legend table with 65 numbered items describing symbols and materials used in the plan, such as '1 NOT USED', '15 DIRECTIONAL DRILL CONDUIT', '29 INSTALL UNDERGROUND SPLICE ENCLOSURE', etc.

Technical details and title block including:
- Cable symbols: NUMBER OF CABLE(S), NUMBER OF RISER(S)/CONDUIT(S), NUMBER OF FIBER/TWISTED PAIRS, ATTACHMENT POINT, DISTANCE ABOVE (IN) REFERENCE POINT, DIAMETER OF RISER(S)/CONDUIT(S) (INCH), DISTANCE BELOW (IN) REFERENCE POINT.
- DRMP logo and seal: Plans Prepared By: DRMP, Inc. 8000 Regency Parkway, Suite 175, Cary, NC 27515. NC License No. C-2213 (919) 650-1038.
- 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'

18-SEP-2018 10:43 AM C:\Users\jlawton\OneDrive\Documents\Projects\2018\03\CRP-037.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.

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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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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
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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

DISTANCE BELOW (IN) REFERENCE POINT

Plans Prepared By:

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

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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:

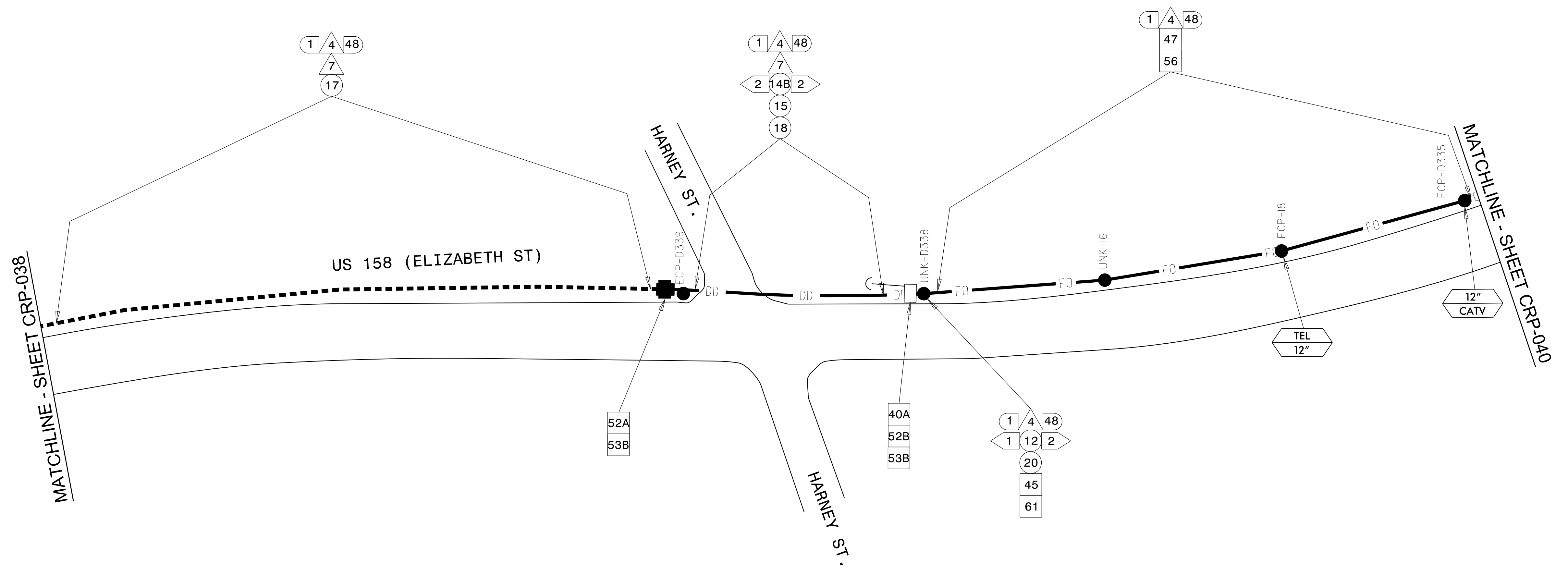
REVISIONS: _____ INIT. DATE

SCALE: 0 50
1" = 50'

SEAL

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

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



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NUMBER OF FIBER/TWISTED PAIRS

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REMOVE/MODIFY CABLE

ATTACHMENT POINT

DISTANCE ABOVE (IN) REFERENCE POINT

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

Plans Prepared By:

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Cary, NC 27515
NC License No. C-2213 (919) 650-1038

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: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS

INIT. DATE

SCALE: 0 50
1" = 50'

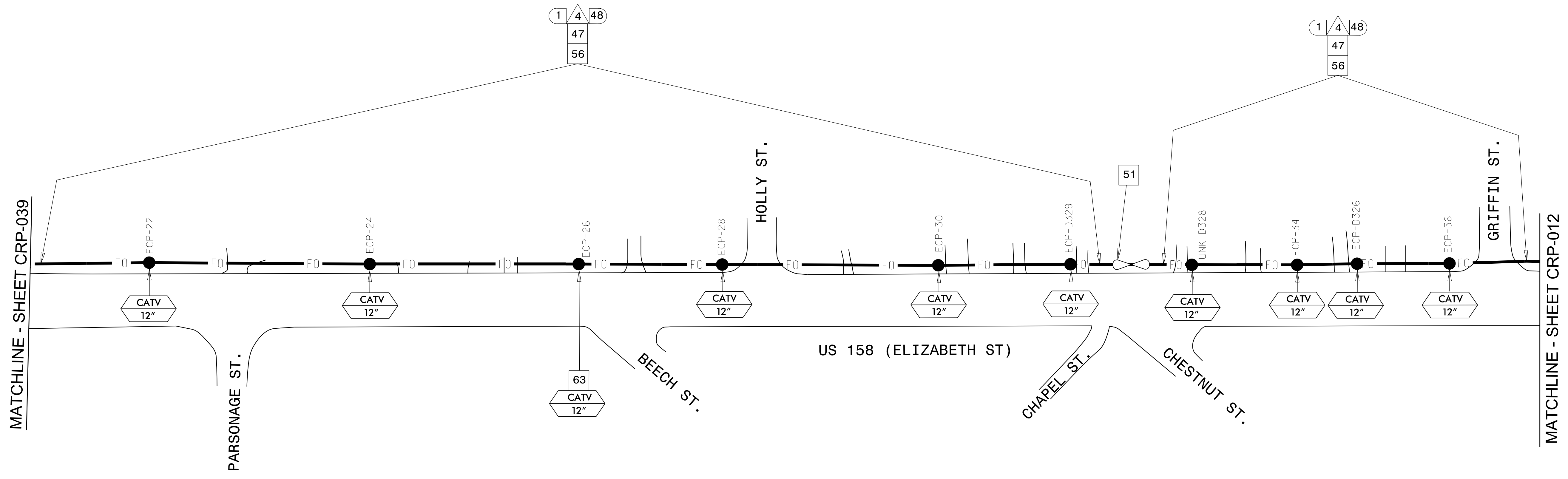
DocuSigned by:
Lea M. Moon 8/22/2018

SEAL 022516

DATE

CADD File name: CRP-039.dgn

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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

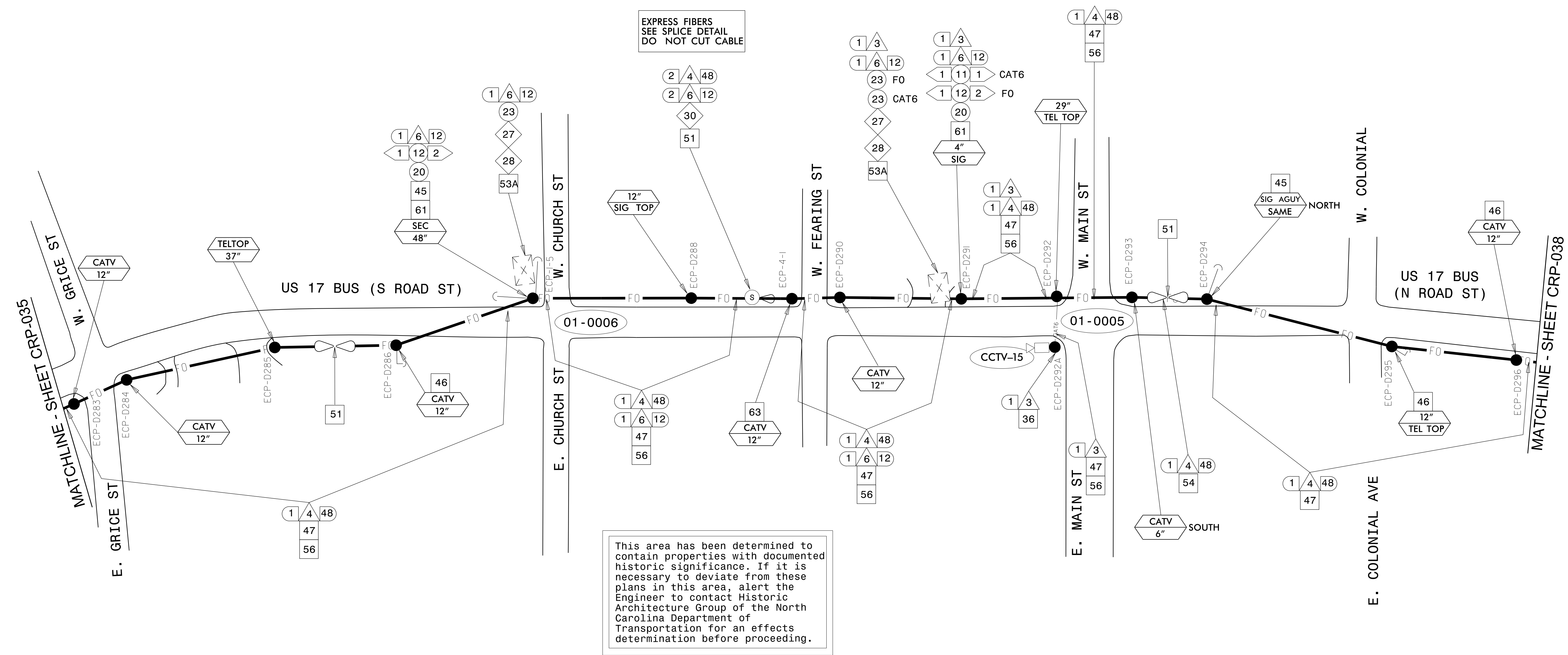
PREPARED BY: RD Lawton REVIEWED BY:

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

CADD File name: CRP-040.dgn

SCALE: 0 50

1" = 50'



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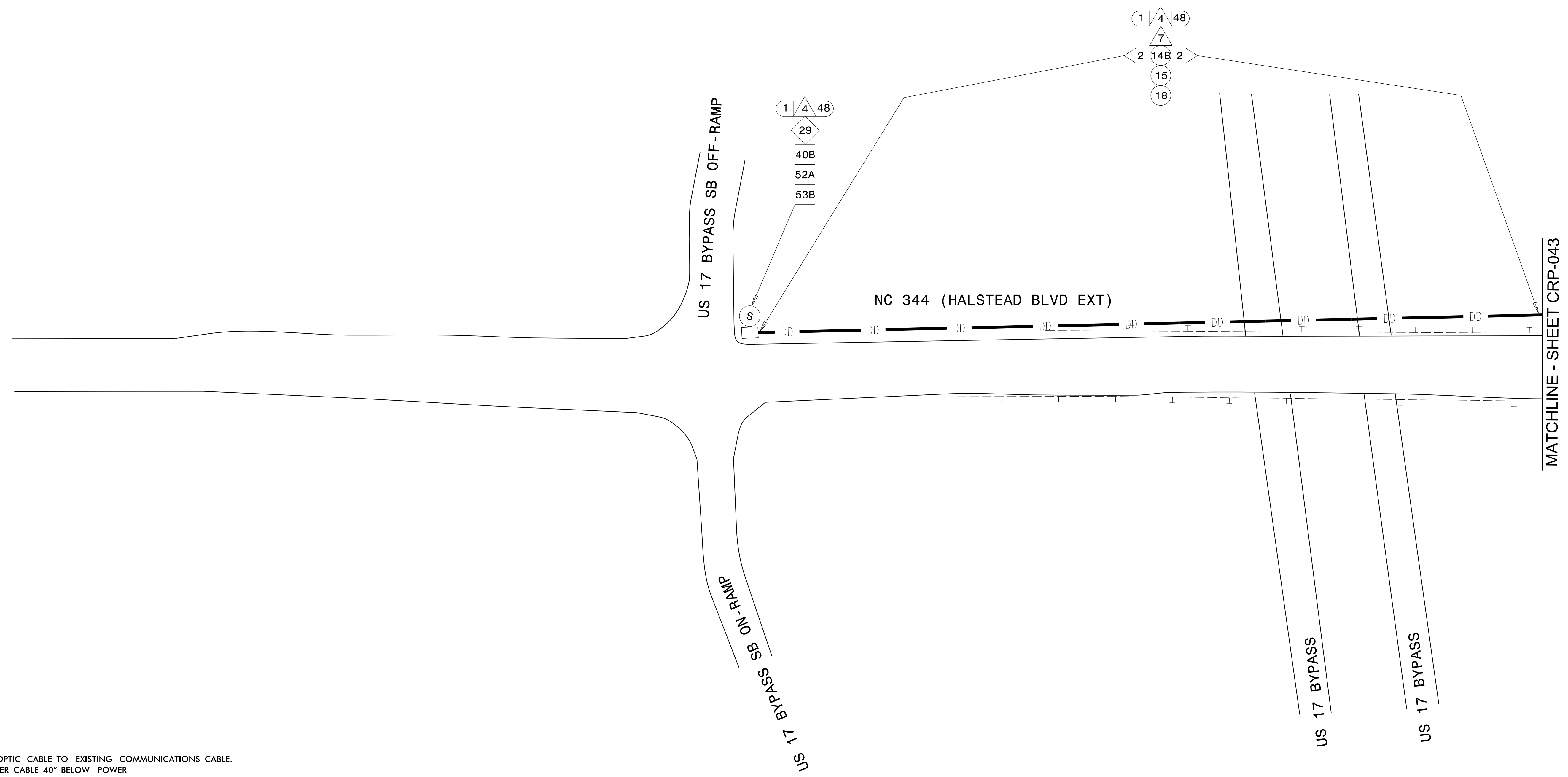
Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

SEAL

SEAL 022516
LISA M. MOON
ENGINEER
8/22/2018



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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		
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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, 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:

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

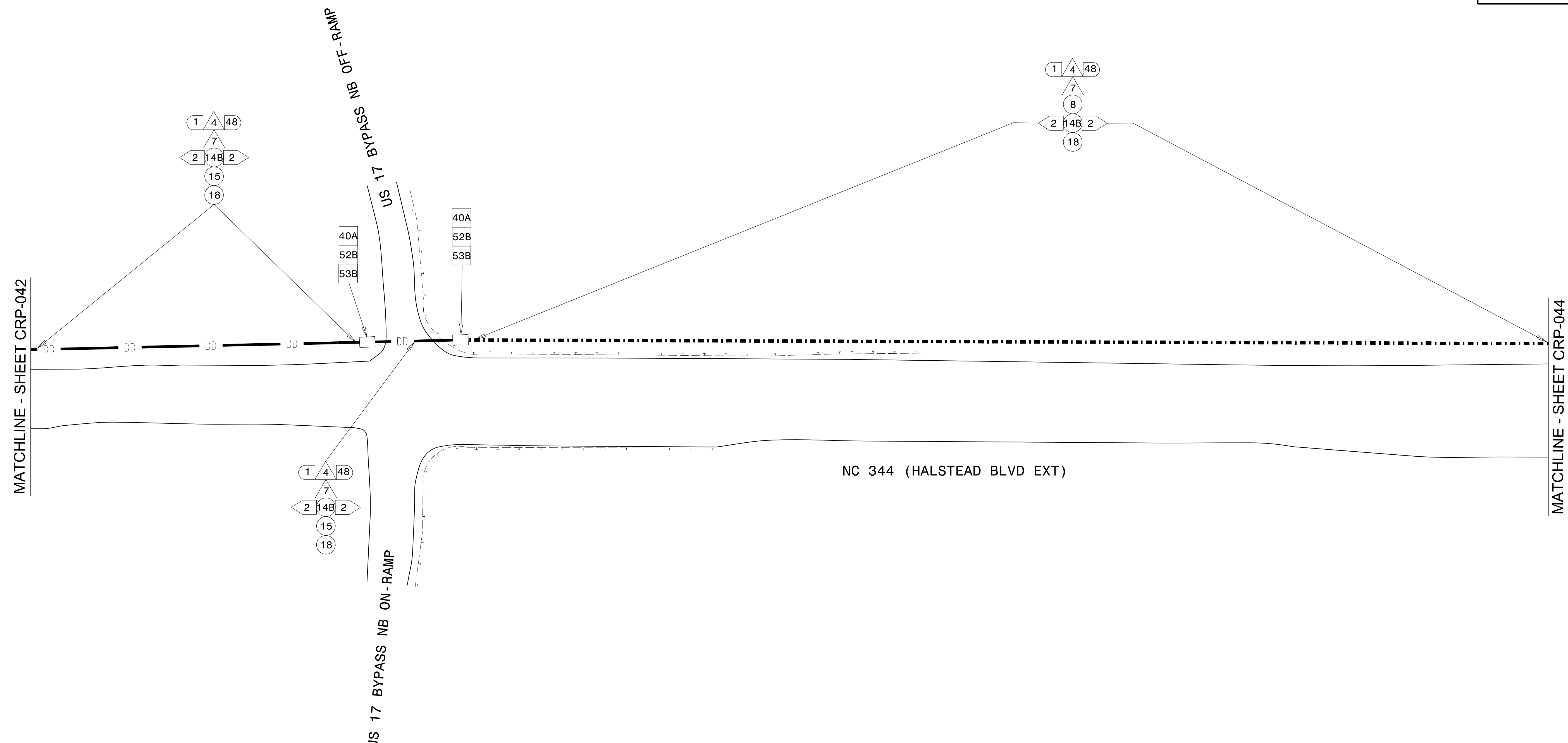
DocuSigned by:
Lisa M. Moon 9/20/2018

CADD File name: CRP-042.dgn

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 50

1" = 50'



NOTES:
 1. UNLESS OTHERWISE NOTED:
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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
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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
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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]

NEW/EXISTING CABLE [XX]

REMOVE/MODIFY CABLE [XXXX]

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

ATTACHMENT POINT [XX"]

DISTANCE ABOVE (IN) REFERENCE POINT [YYYY]

REFERENCE POINT DISTANCE BELOW (IN) [XX"]

Plans Prepared By:

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8000 Regency Parkway, Suite 175
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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

8/22/2018

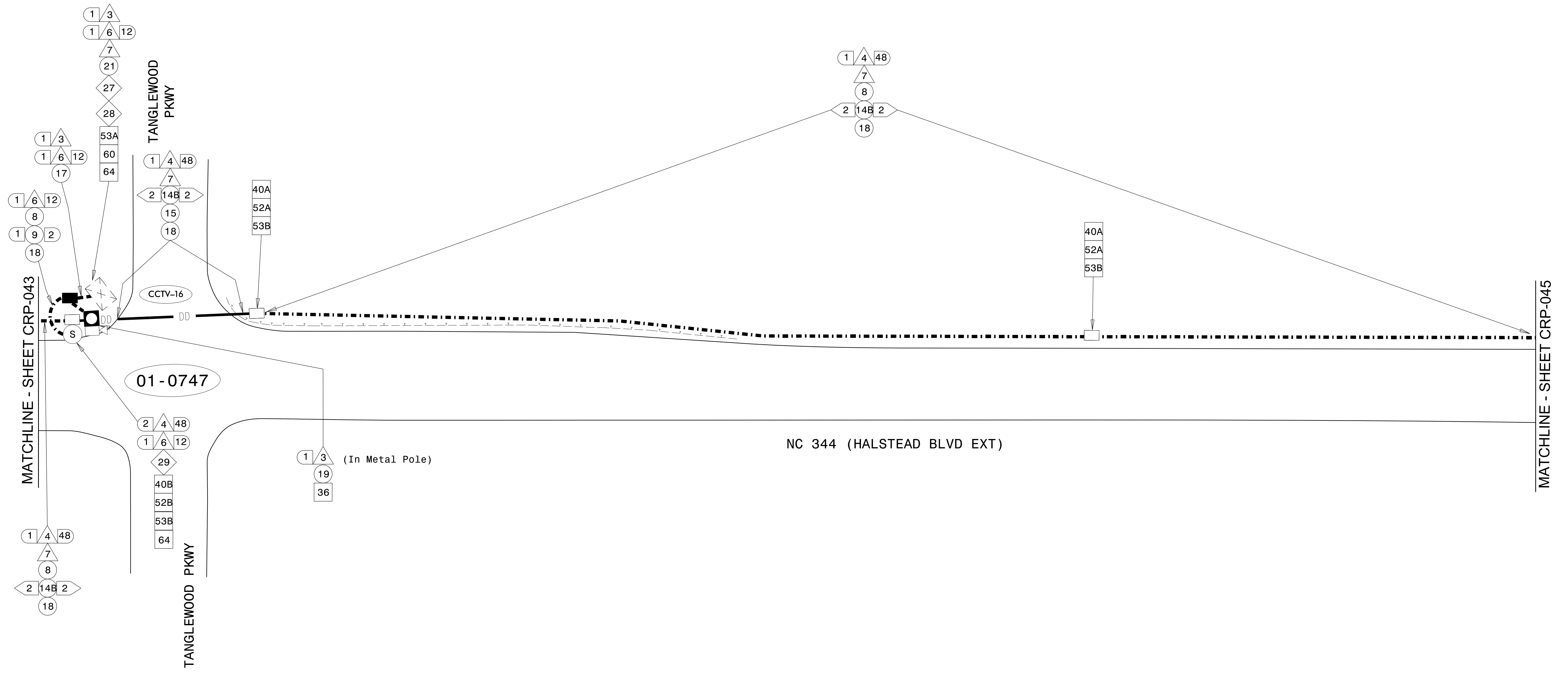
DATE

CADD File name: CRP-043.dgn

SCALE

0 50

1" = 50'



NOTES:
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LEGEND:

NUMBER OF CABLE(S): XX (triangle), XX (square), XX (circle)

NUMBER OF RISER(S)/CONDUIT(S): XX (circle)

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

ATTACHMENT POINT: XX (triangle), YYY (square), YYY (circle)

DISTANCE ABOVE (IN) REFERENCE POINT: XX

DISTANCE BELOW (IN) REFERENCE POINT: YYY

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

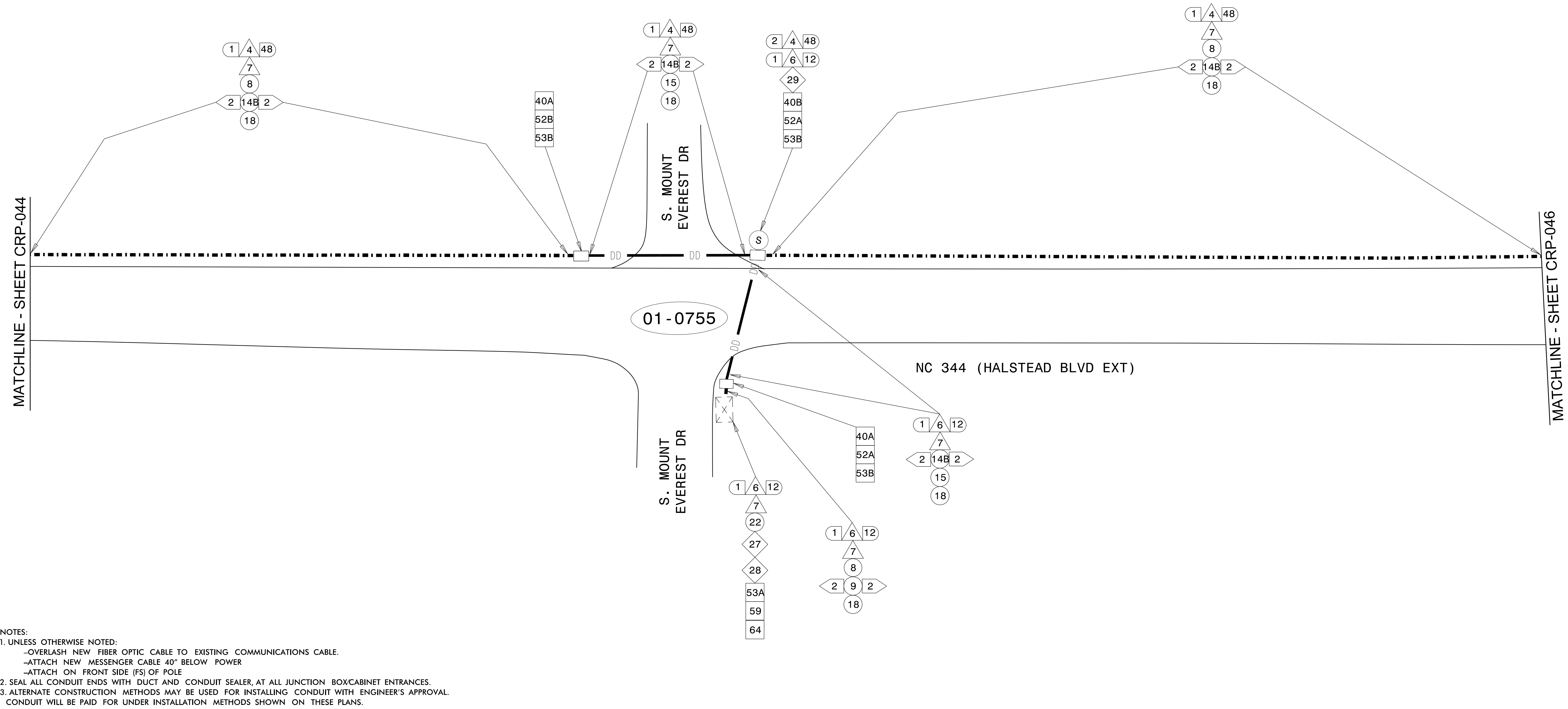
PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS: INIT. DATE

SEAL

8/22/2018

CADD File name: CRP-044.dgn



NOTES:
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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

LISA M. MOON

ENGINEER

8/22/2018

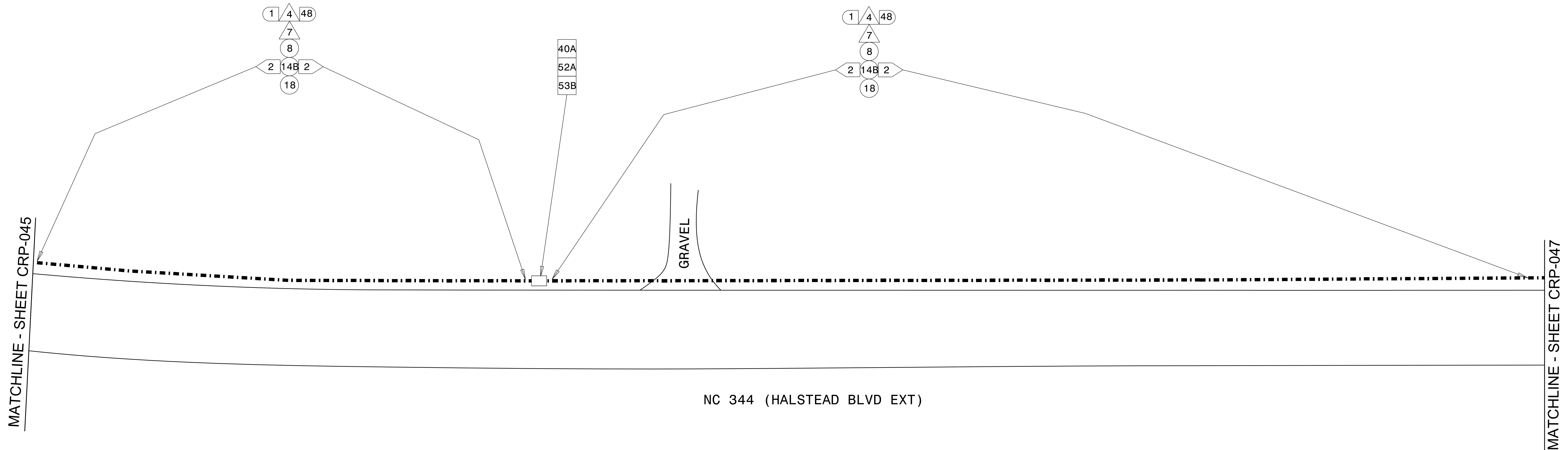
DATE

CADD File name: CRP-045.dgn

SCALE

0 50

1" = 50'



NC 344 (HALSTEAD BLVD EXT)

- NOTES:**
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REMOVE/MODIFY CABLE

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:

750 N. Greenfield Pkwy., Garner, NC 27529

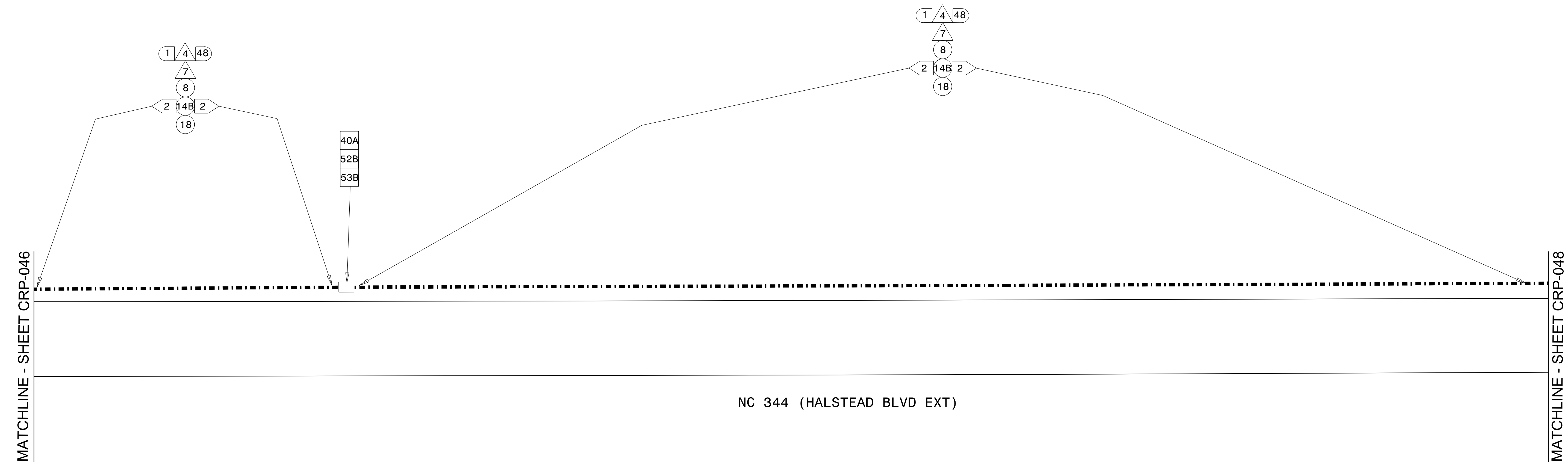
SCALE 0 50
1" = 50'

REVISIONS	INIT.	DATE

SEAL

SEAL 022516
LISA M. MOON
ENGINEER
8/22/2018

CADD File name: CRP-046.dgn



NOTES:
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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
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]

ATTACHMENT POINT [XX] [XXXX]

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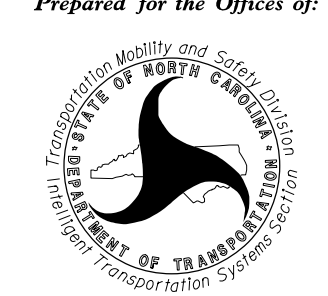
Plans Prepared By:



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

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Prepared for the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

Elizabeth City Signal System Cable Routing Plans

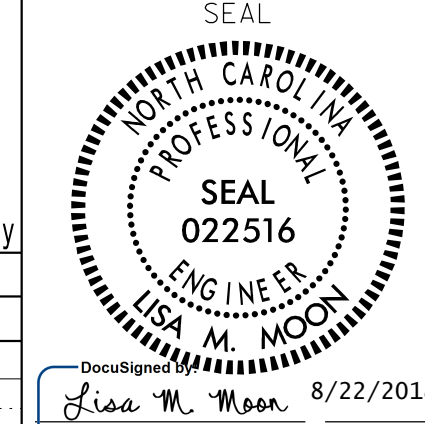
Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

PREPARED BY: RD Lawton REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

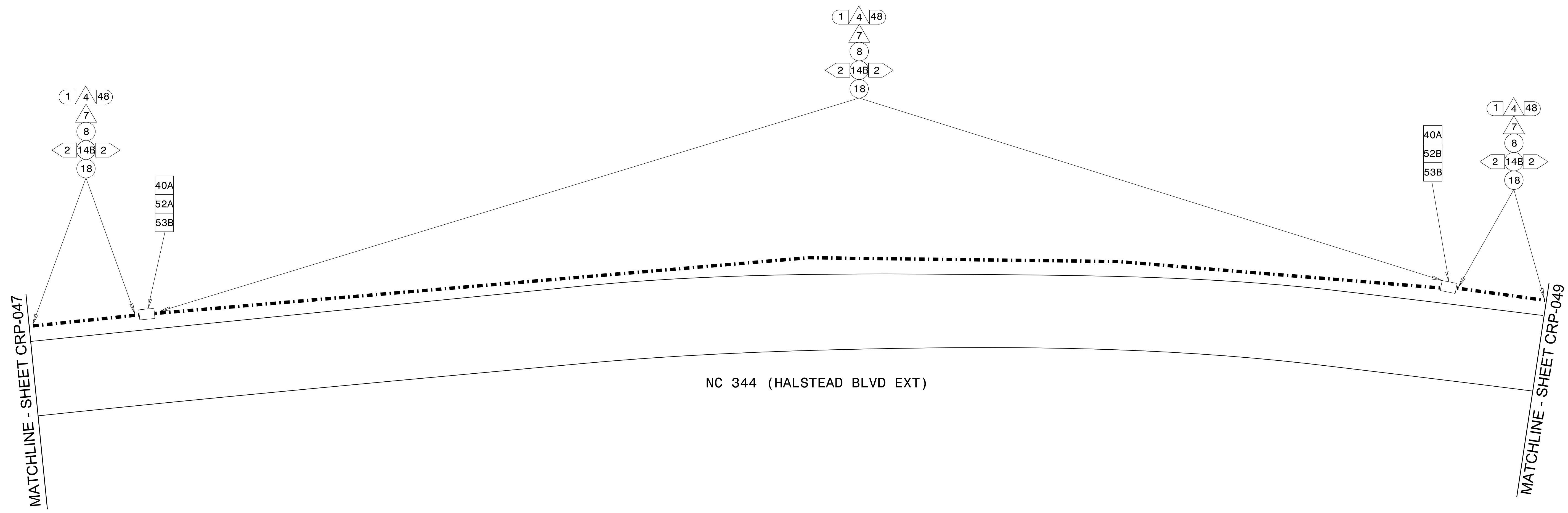


Lisa M. Moon 8/22/2018

CADD File name: CRP-047.dgn

SCALE 0 50

1" = 50'



NOTES:
 1. UNLESS OTHERWISE NOTED:
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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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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:

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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:

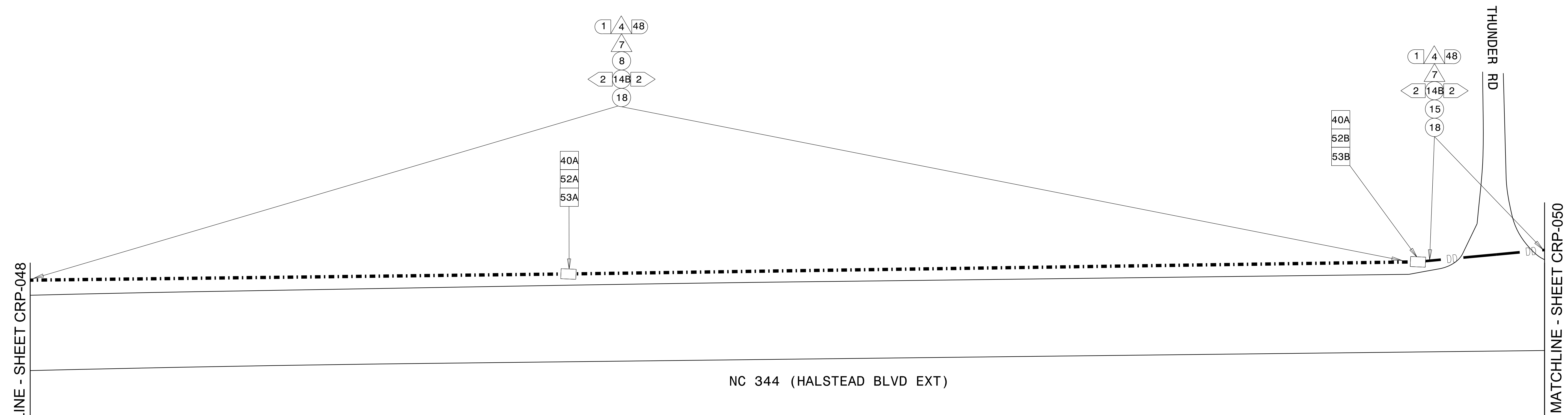
SEAL
LISA M. MOON
ENGINEER
022516
8/22/2018

SCALE
0 50
1" = 50'

REVISIONS	INIT.	DATE

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

CADD File name: CRP-048.dgn



NOTES:
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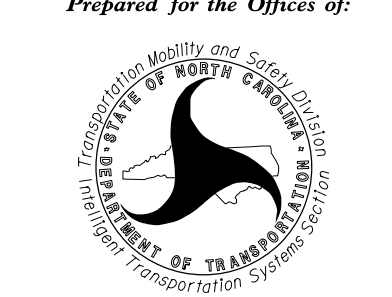
Plans Prepared By:



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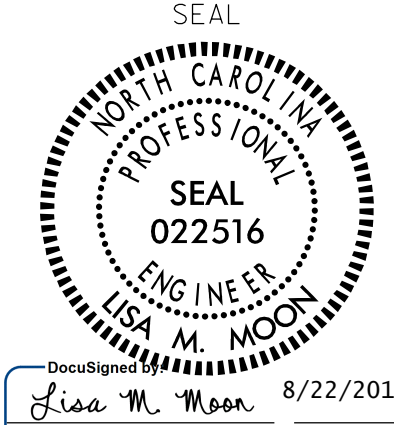
750 N. Greenfield Pkwy., Garner, NC 27529

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:



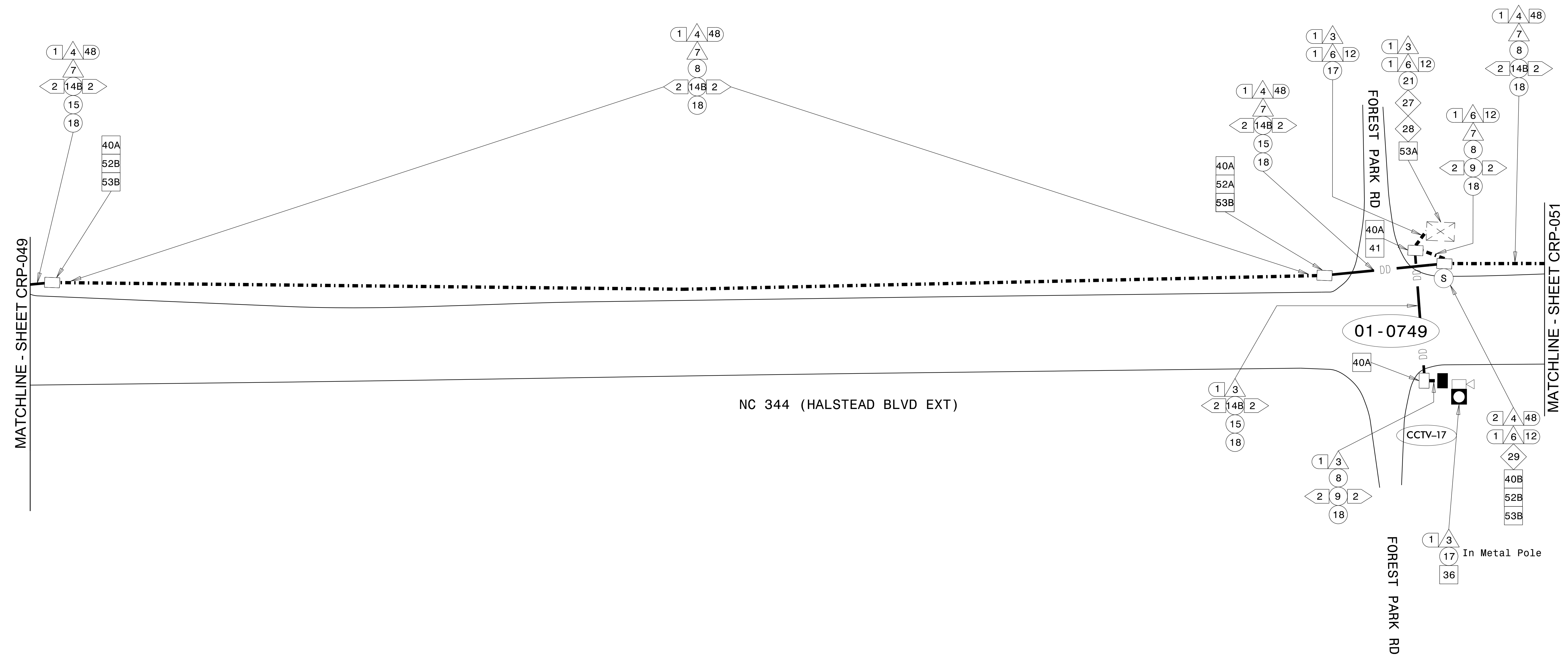
SEAL
LISA M. MOON
ENGINEER
022516
8/22/2018



SCALE
0 50
1" = 50'

REVISIONS	INIT.	DATE

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



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Plans Prepared By:

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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

PROFESSIONAL ENGINEER

SEAL 022516

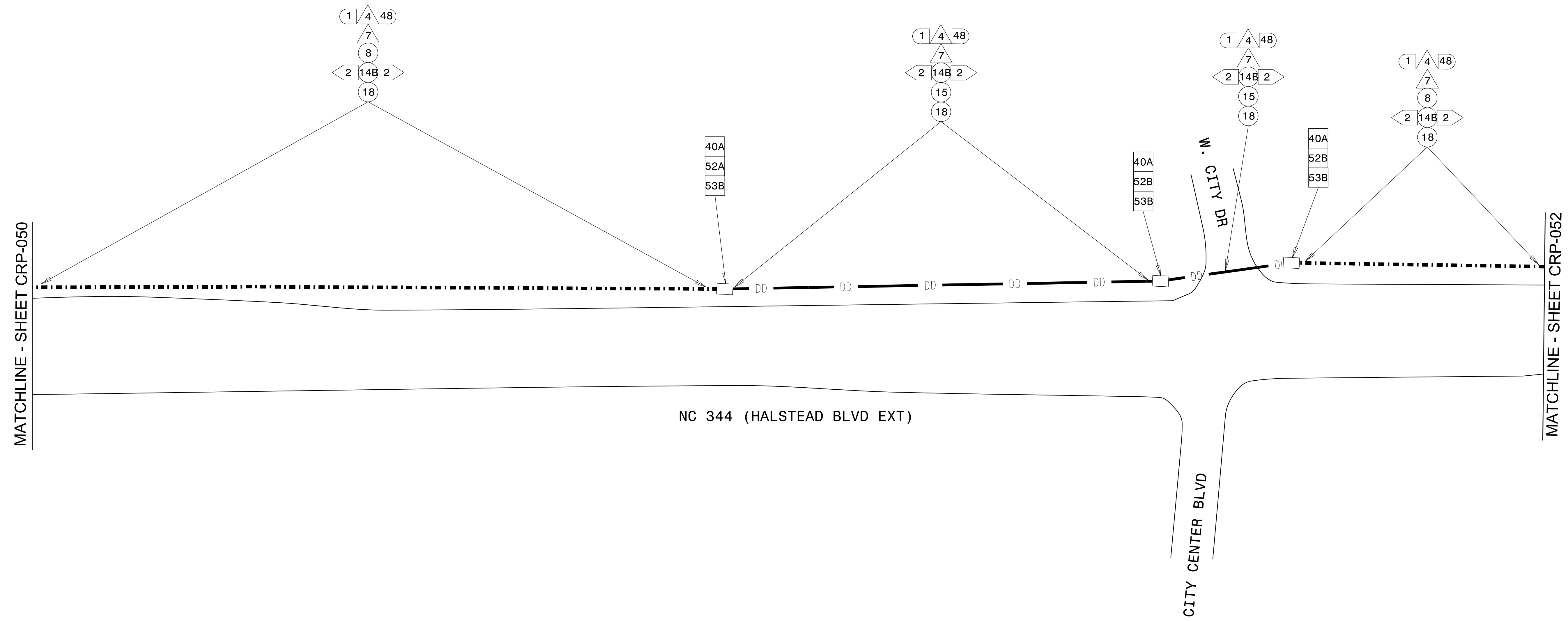
LISSA M. MOON

DocuSigned by: *LISSA M. MOON* 8/22/2018

CADD File name: CRP-050.dgn

SCALE: 0 50

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

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Division 1 Pasquotank County Elizabeth City

PLAN DATE: April 2018 REVIEWED BY: LM Moon

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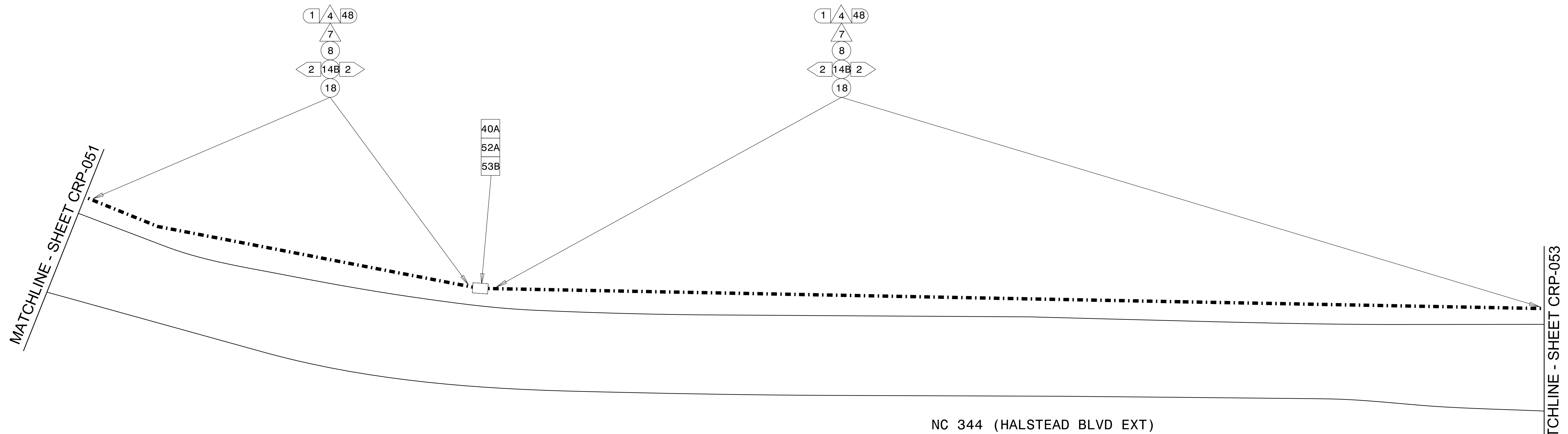
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CADD File name: CRP-051.dgn



NC 344 (HALSTEAD BLVD EXT)

- NOTES:**
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 - 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
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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		
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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:

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:

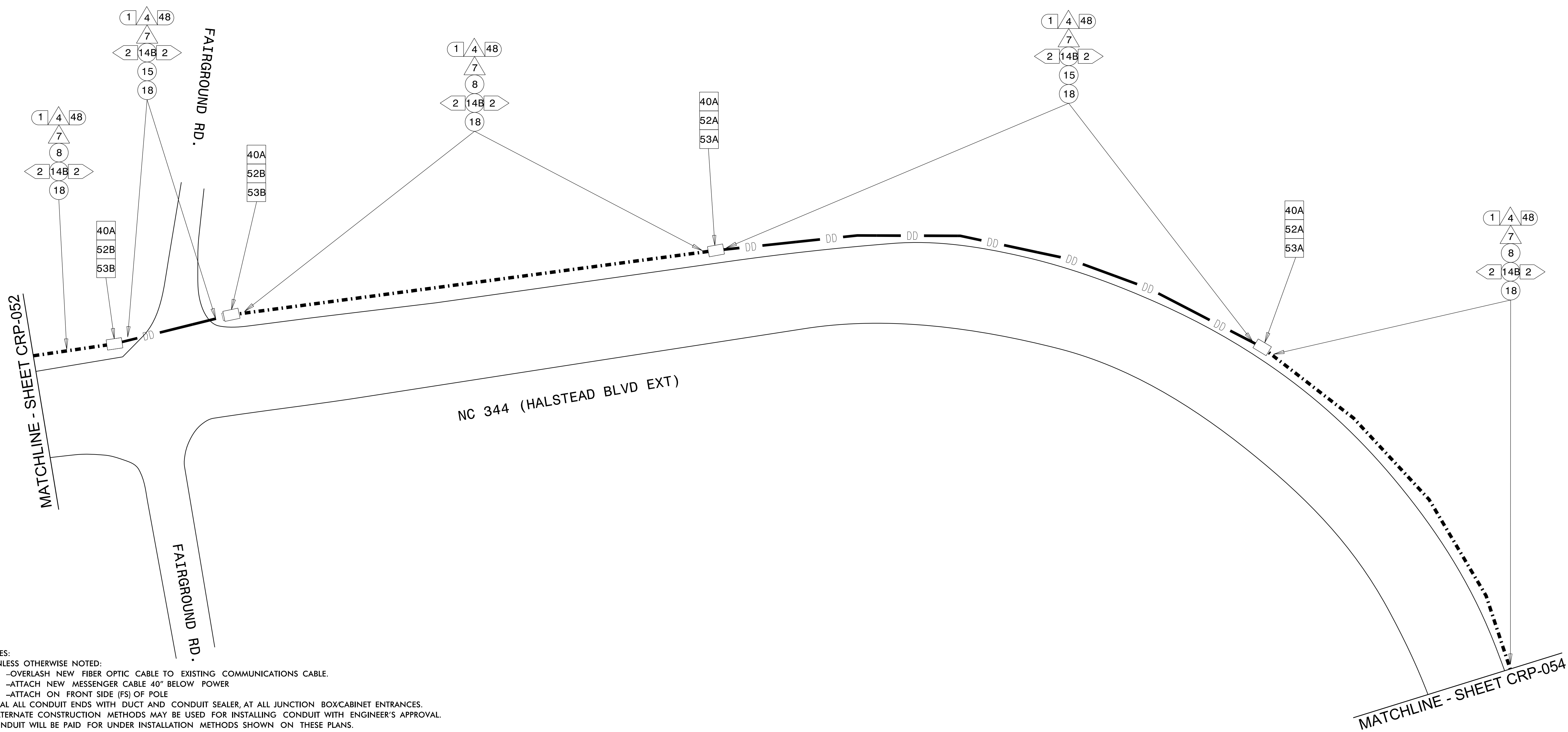
REVISIONS: INIT. DATE

SCALE: 1" = 50'

Seal: LISA M. MOON, PROFESSIONAL ENGINEER, SEAL 022516, DATE 8/22/2018

CADD File name: CRP-052.dgn

22-AUG-2018 09:42:00 AM C:\Users\lmoon\OneDrive\Documents\Projects\CRP-052.dgn



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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

DISTANCE BELOW (IN) REFERENCE POINT

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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

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 022516

LISA M. MOON

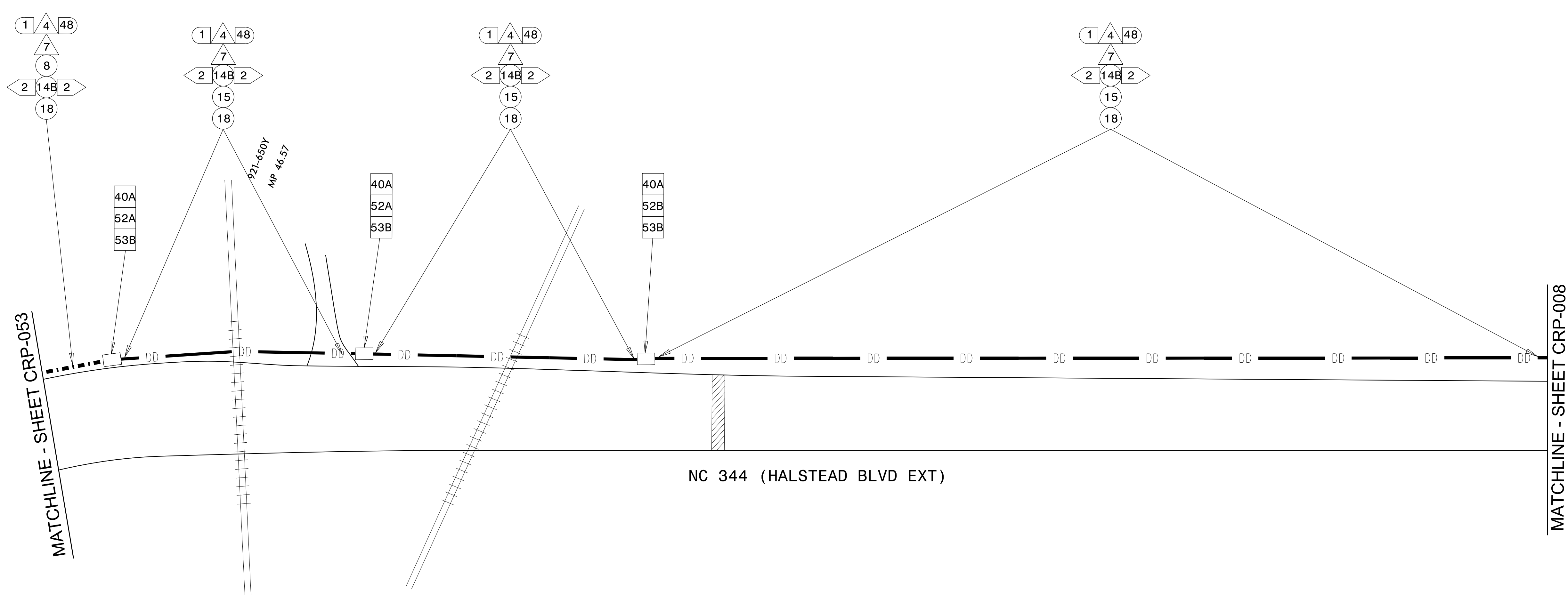
DocuSigned by: Lisa M. Moon 8/22/2018

CADD File name: CRP-053.dgn

SCALE

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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:

SCALE

0 50

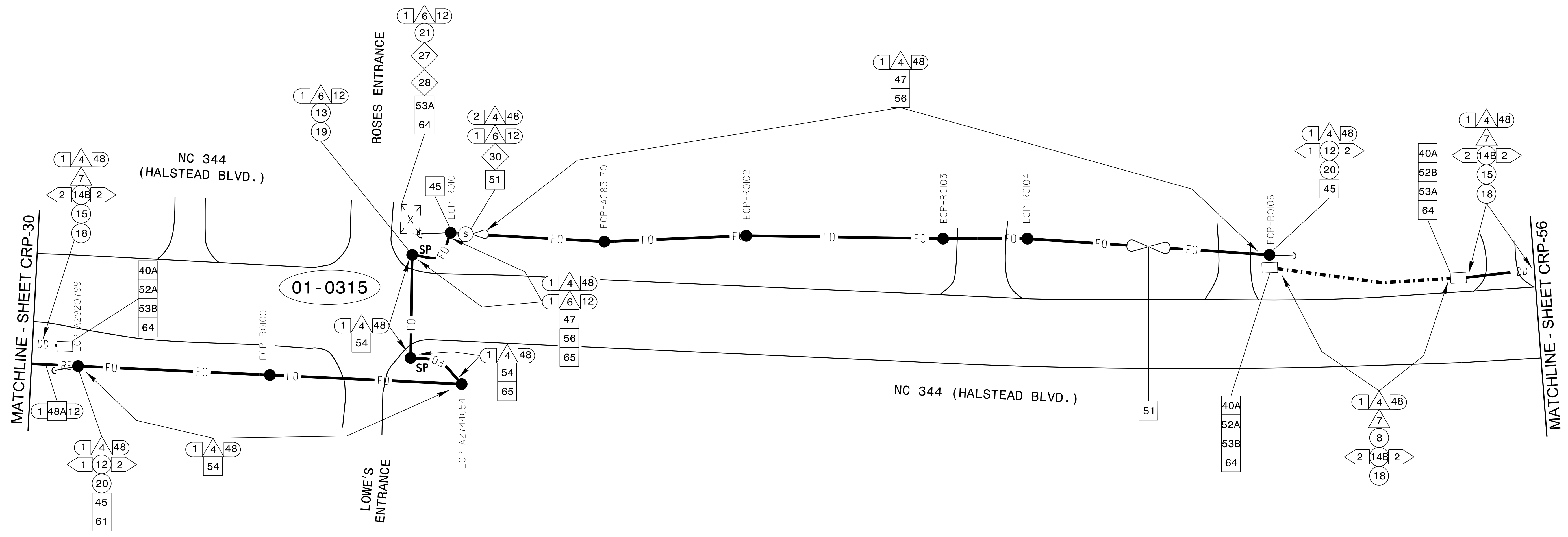
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REVISIONS	INIT.	DATE

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

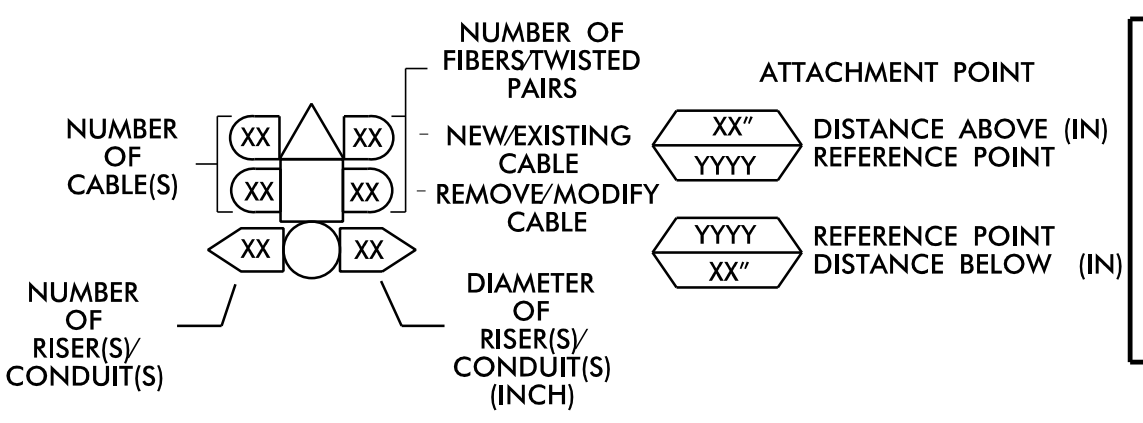
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PLANS PREPARED BY :

RK&K

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 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
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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:

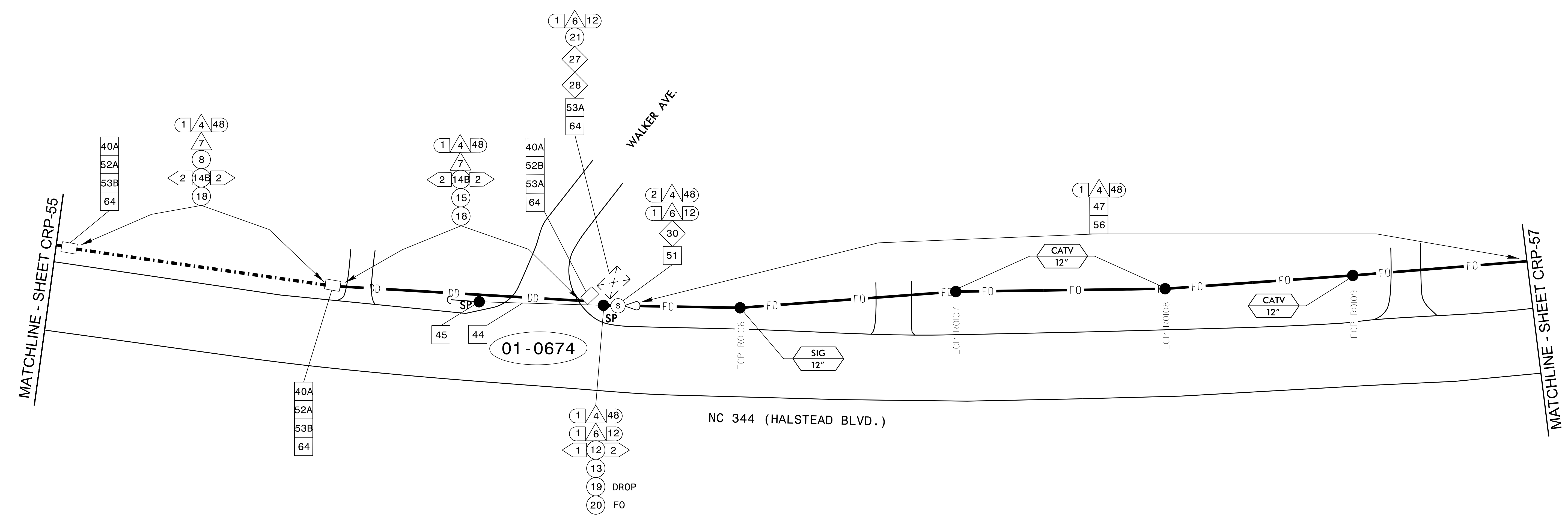
REVISIONS: _____ INIT. DATE

SCALE: 0 50
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DocuSigned by: *C. Byron Holden* 8/23/2018

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER C. BYRON HOLDEN

CADD Filename: _____



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Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

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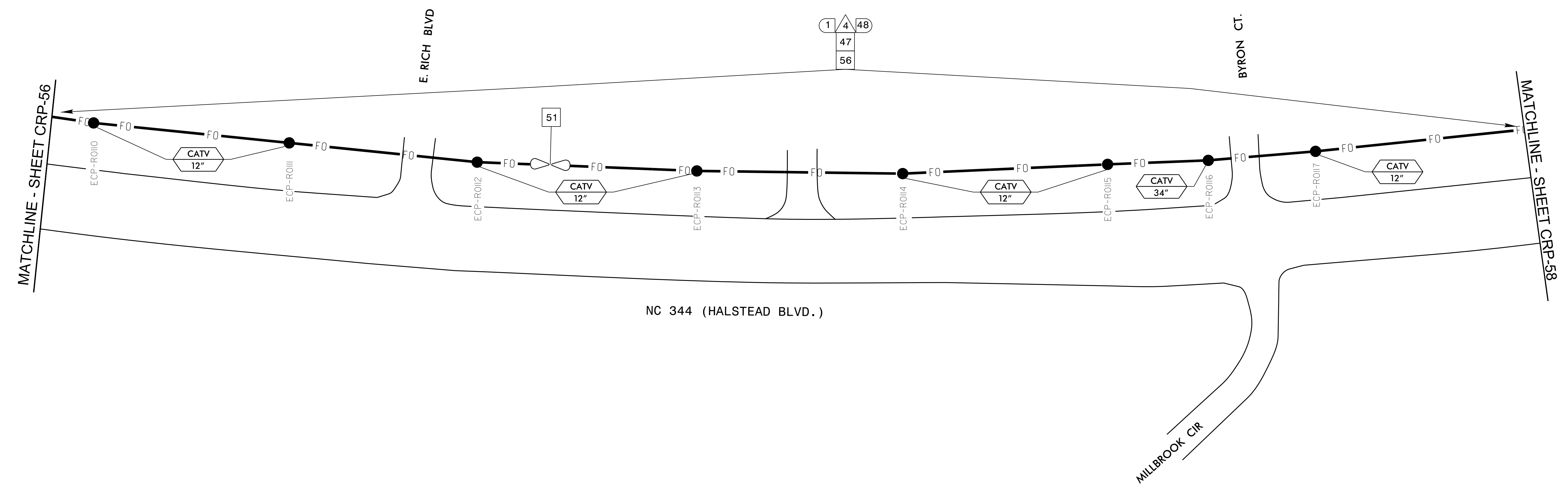
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SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

033753

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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
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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

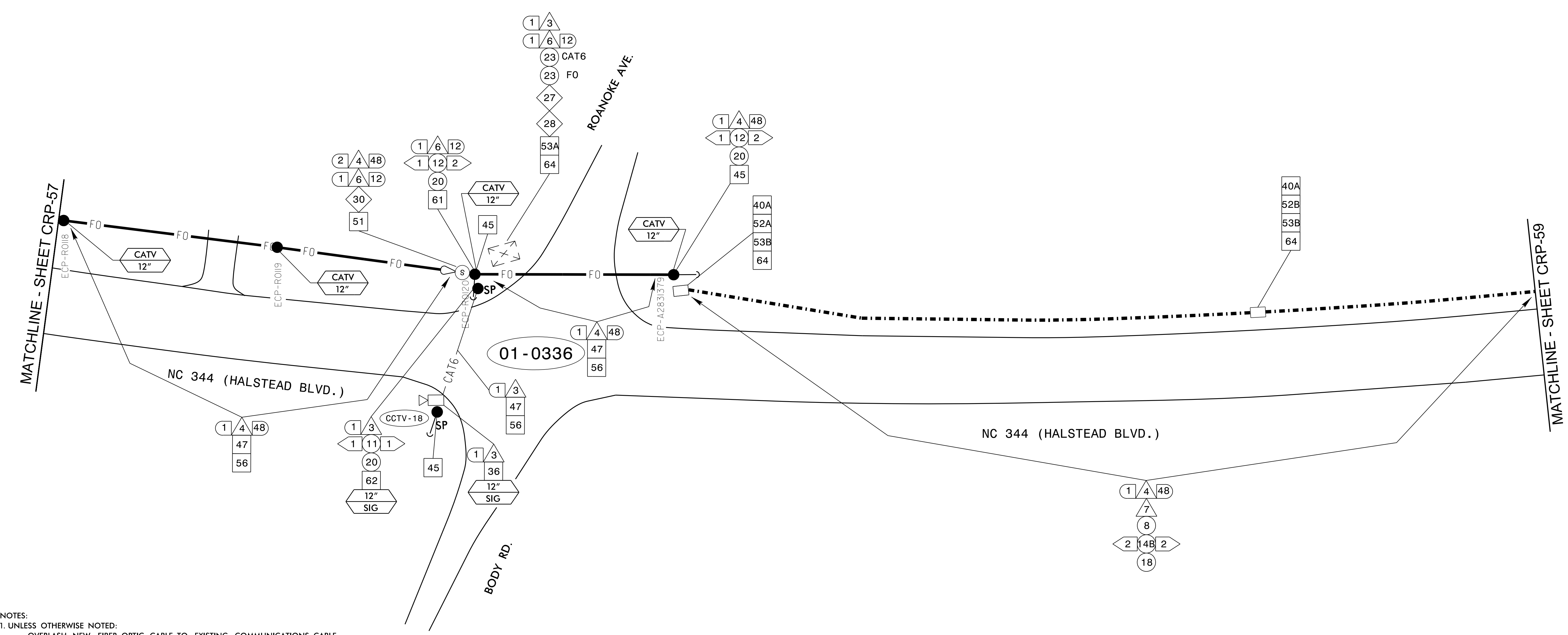
PREPARED BY: A. TUTT REVIEWED BY:

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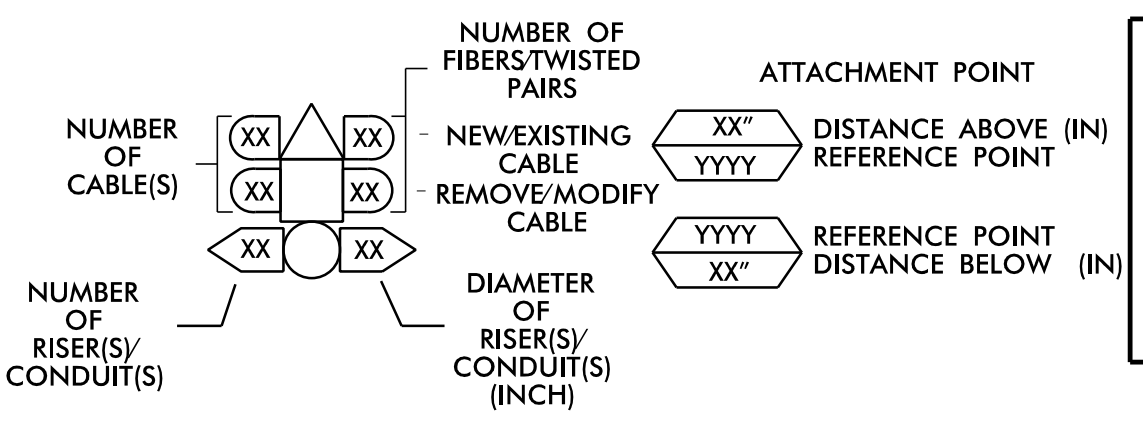
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SEAL NORTH CAROLINA PROFESSIONAL SEAL 033753 ENGINEER BYRON HOLDEN



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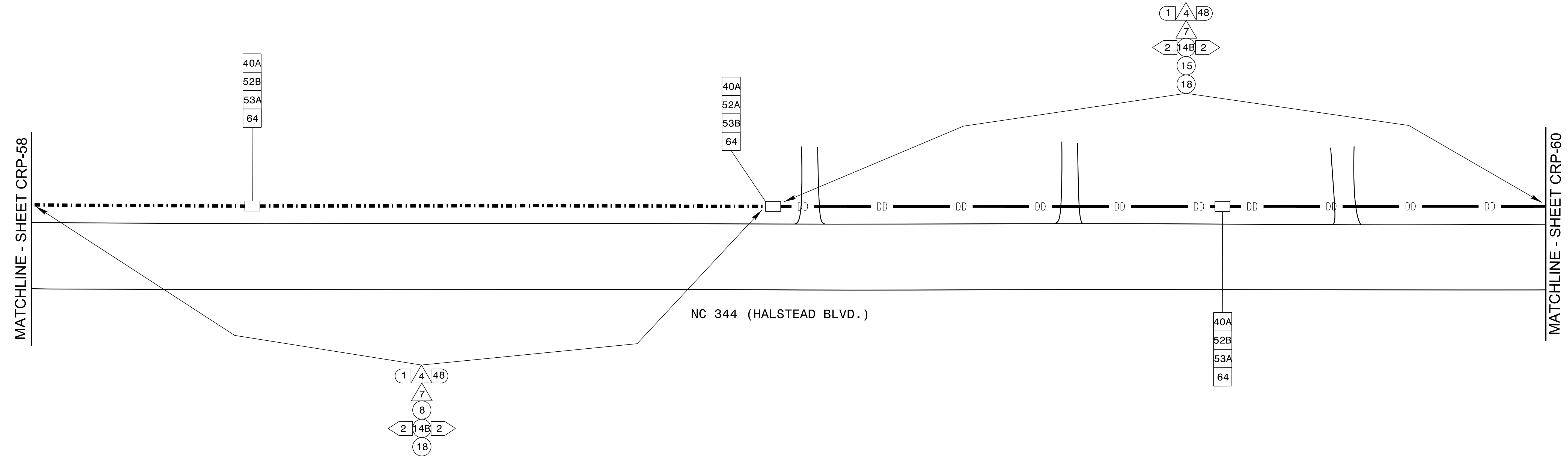
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 PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS: INIT. DATE

750 N. Greenfield Pkwy., Garner, NC 27529
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Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

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REVISIONS	INIT.	DATE

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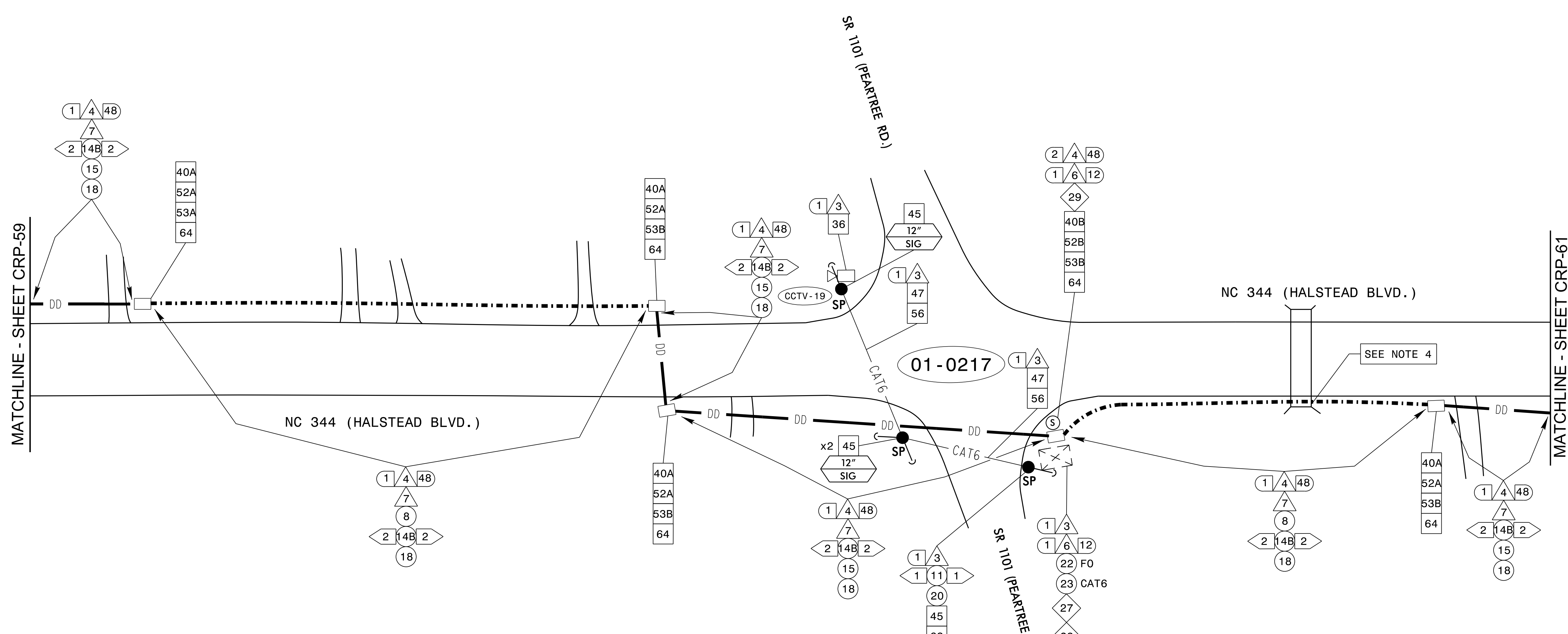
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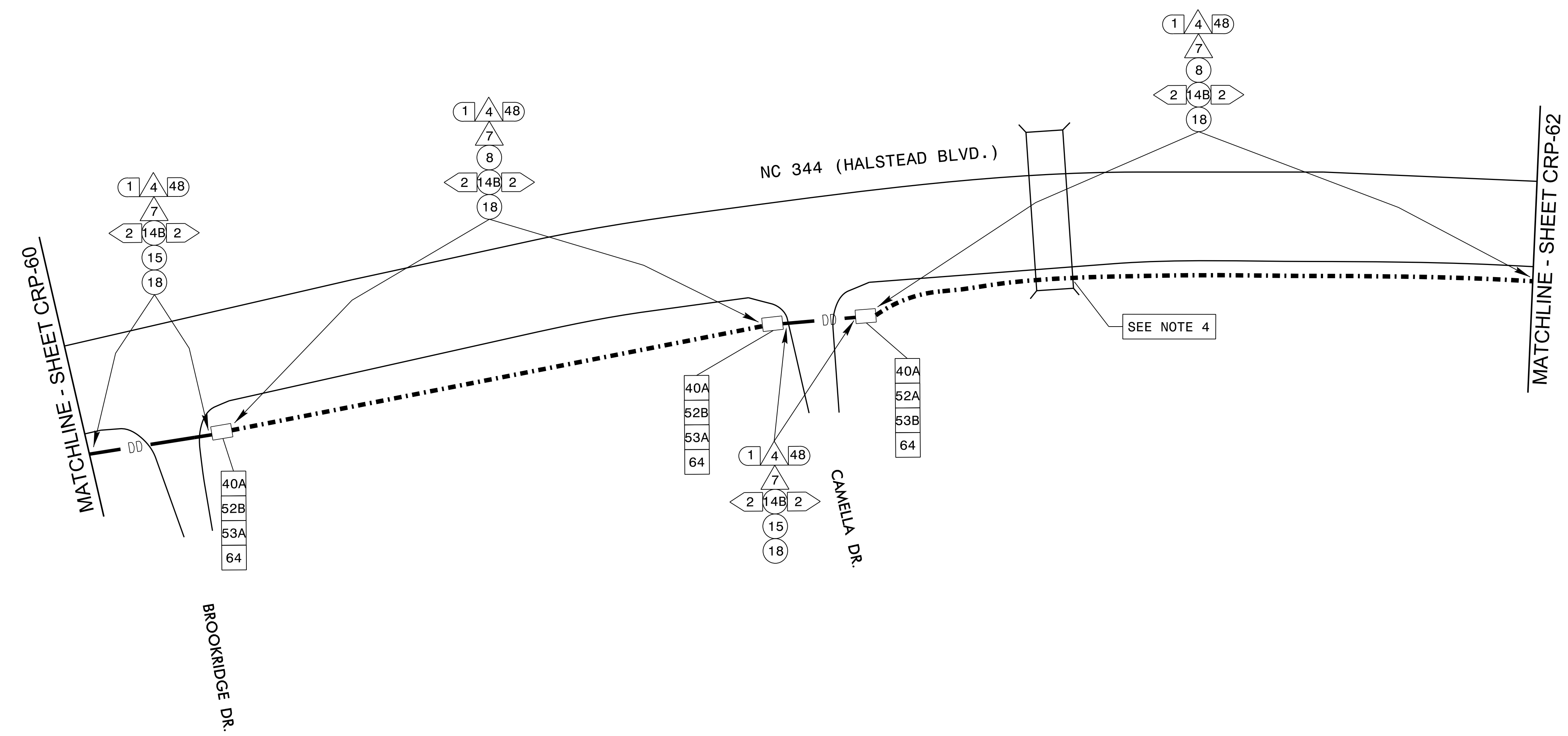
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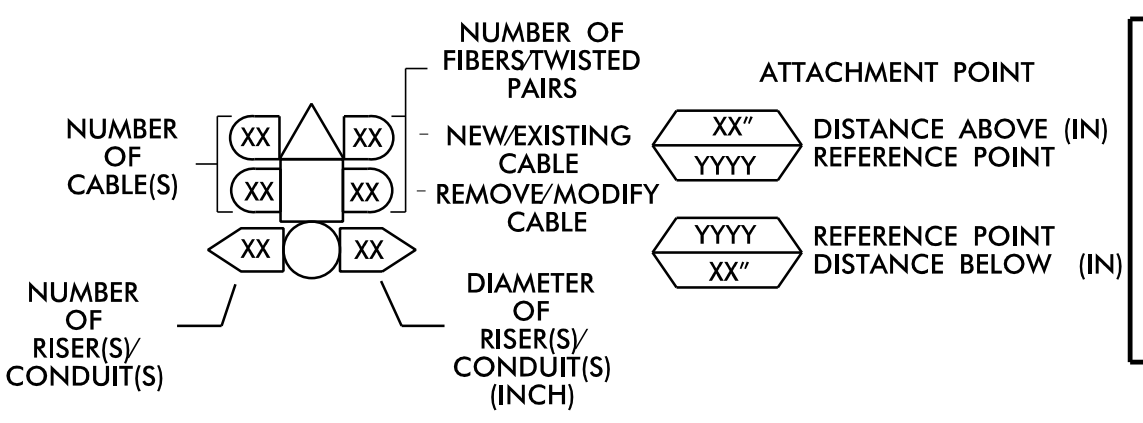
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Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN

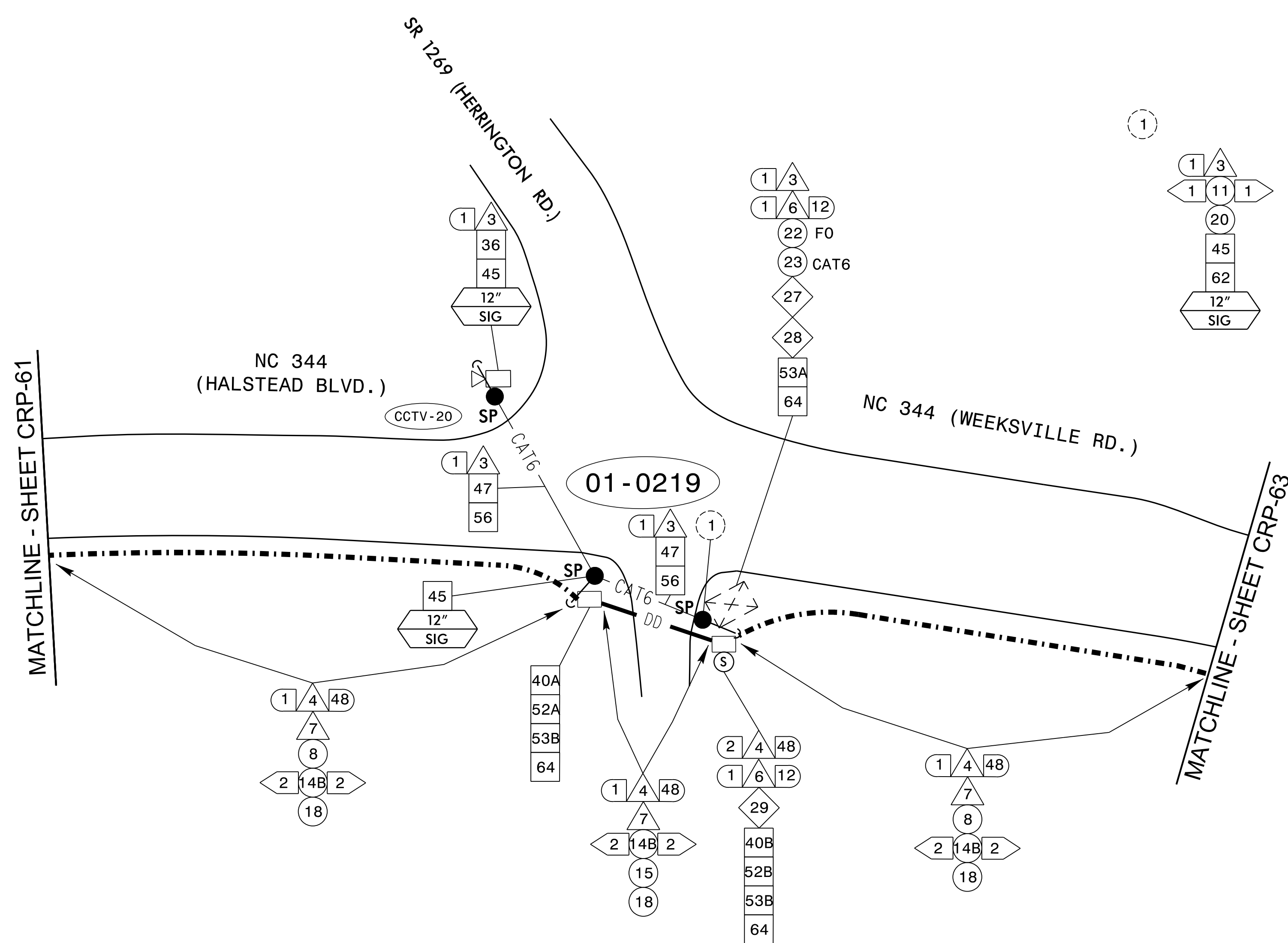
PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS	INIT.	DATE

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

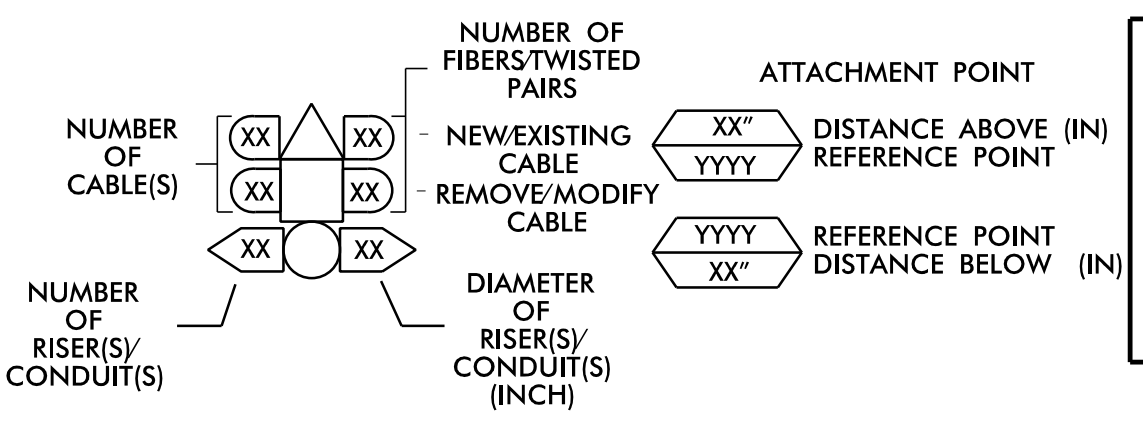
SCALE: 0 50
1" = 50'

CADD Filename:



NOTES:
 1. 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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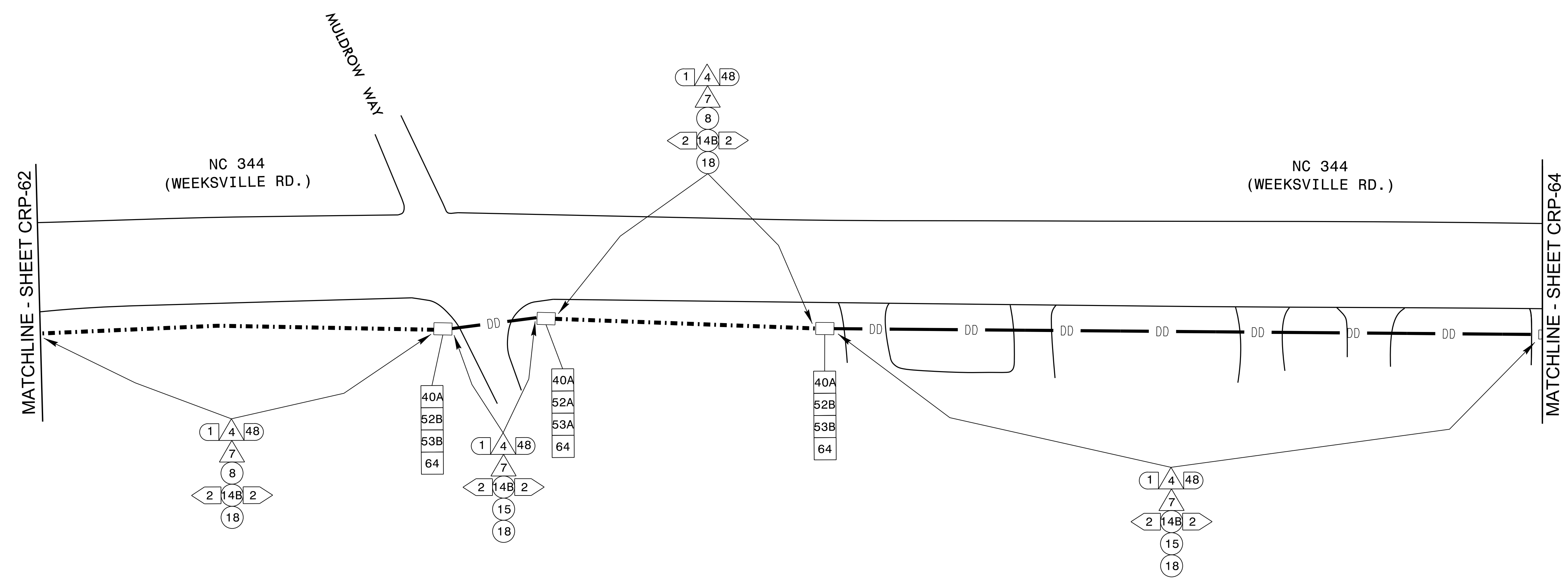
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2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE
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PLANS PREPARED BY :
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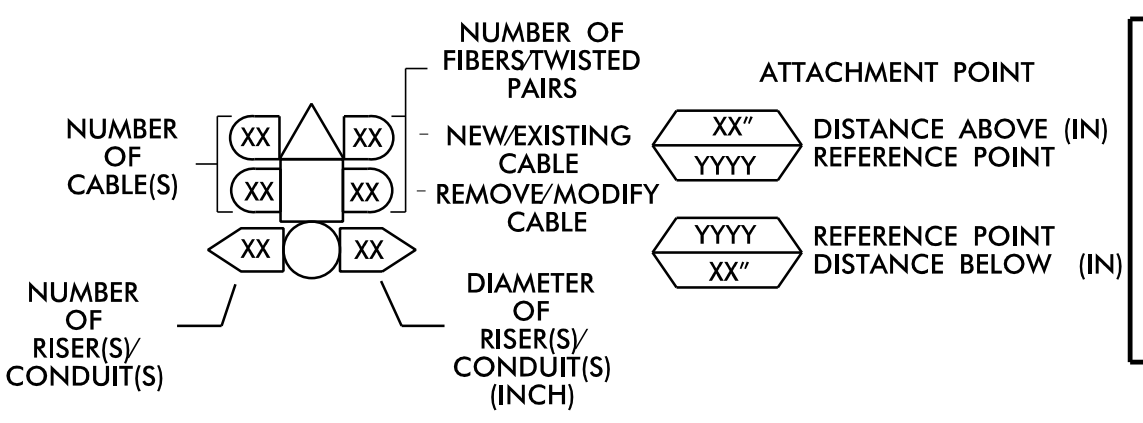
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 PLAN DATE: August 2018 REVIEWED BY: B. HOLDEN
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 DocuSigned by: 8/23/2018

 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 033753
 C. BYRON HOLDEN
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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

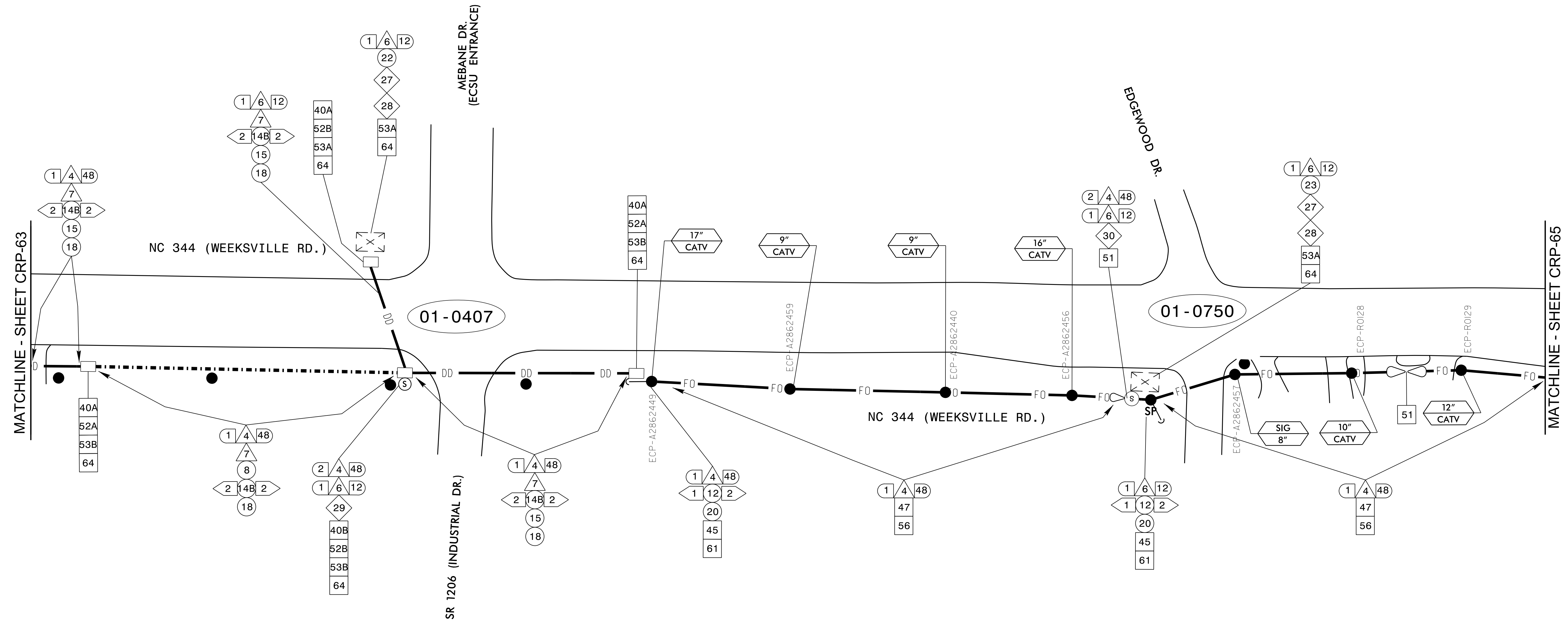
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C. Byron Holden

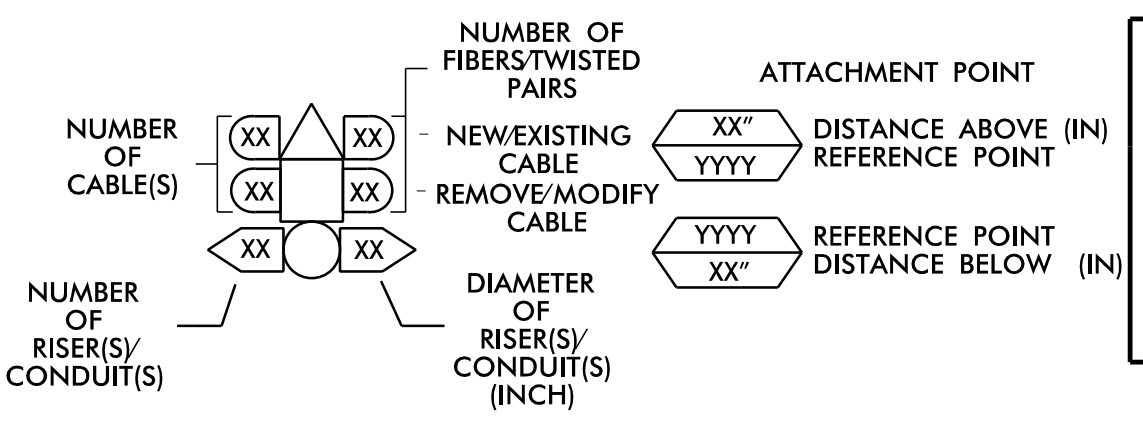
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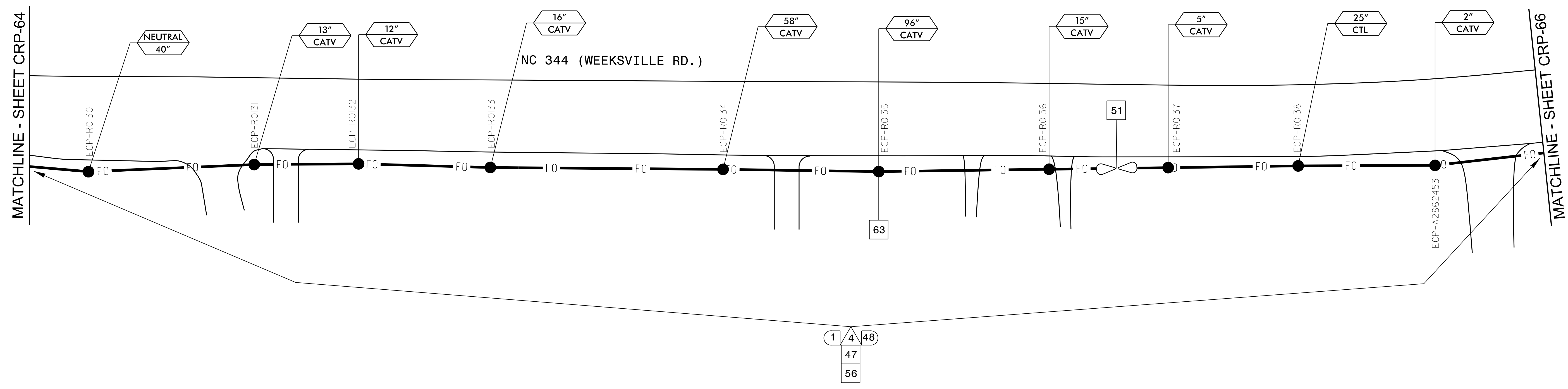
Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City
 PLAN DATE: January 2019 REVIEWED BY: B. HOLDEN
 PREPARED BY: A. TUTT REVIEWED BY:

REVISIONS	INIT.	DATE

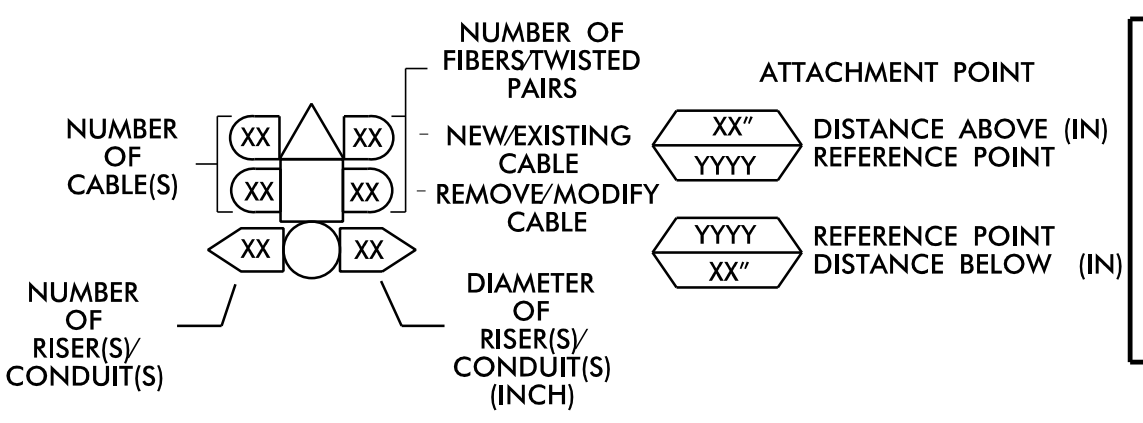
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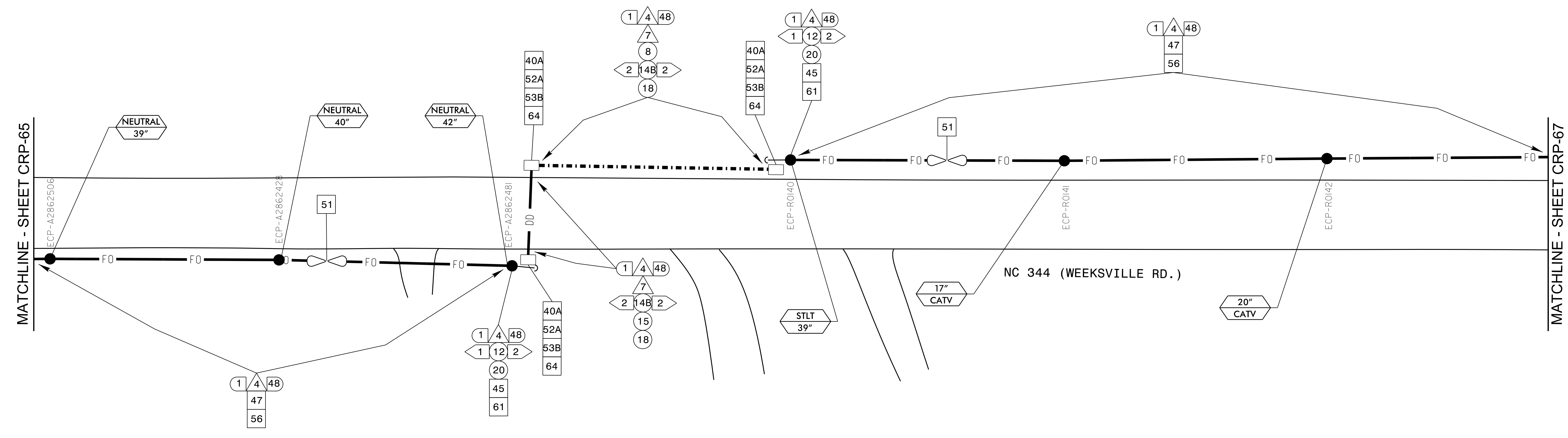
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NUMBER OF CABLE(S)

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

DISTANCE BELOW (IN) REFERENCE POINT

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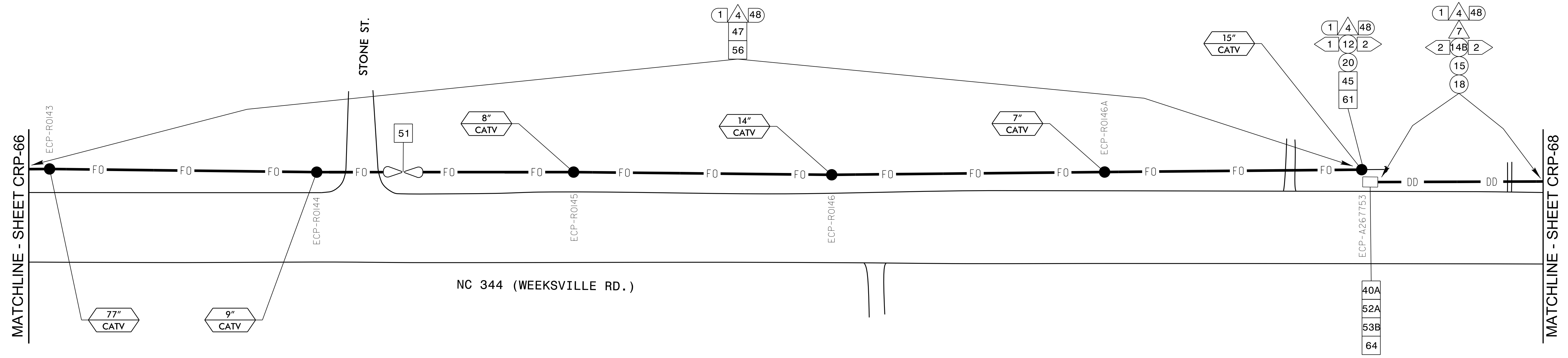
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SCALE

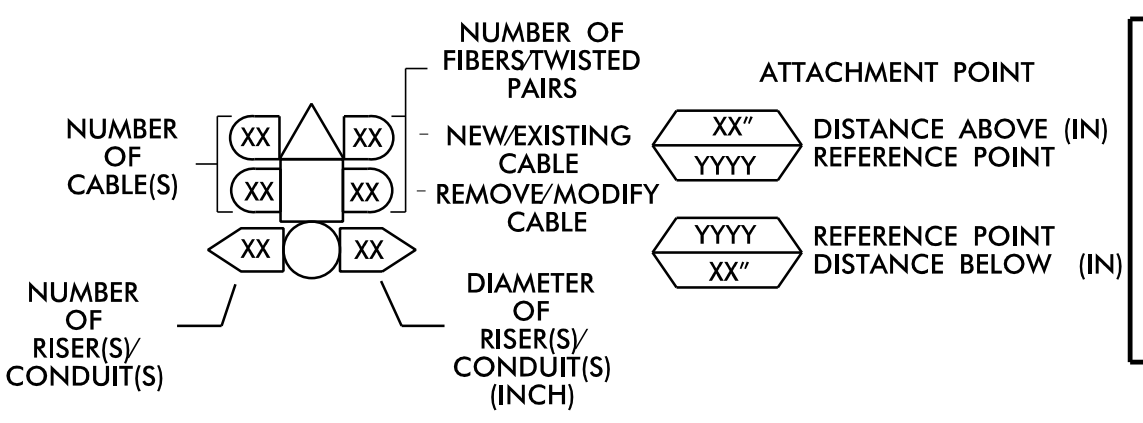
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 2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX/CABINET ENTRANCES.
 3. ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL.
 CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN 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		
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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 :
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 900 RIDGEFIELD DRIVE SUITE 350
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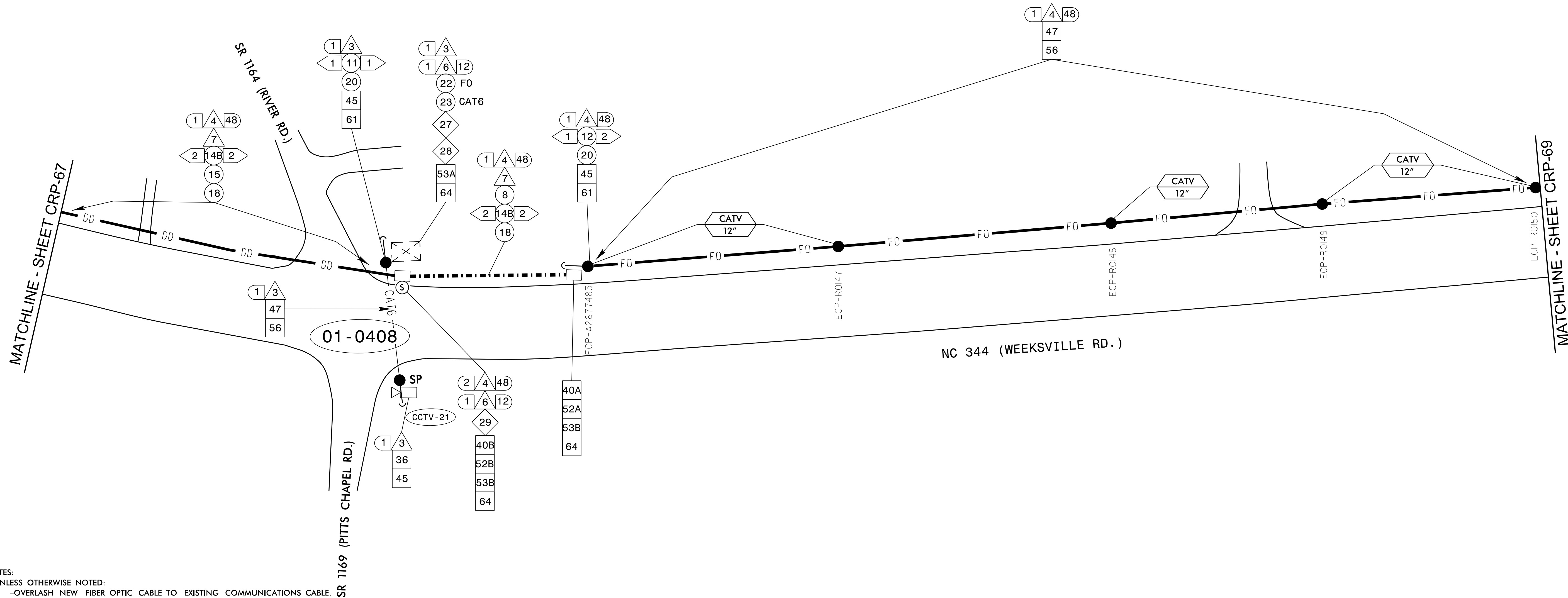
Prepared for the Offices of:

 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:

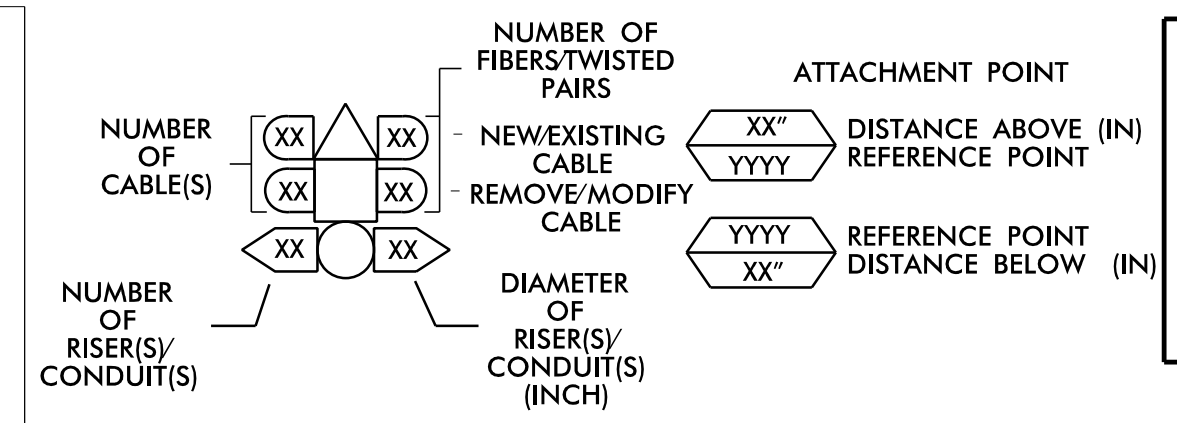
 C. Byron Holden
 ENGINEER
 NC LICENSE NO. 27609-3960
 DATE 8/23/2018
 CADD Filename:



NOTES:

- UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER
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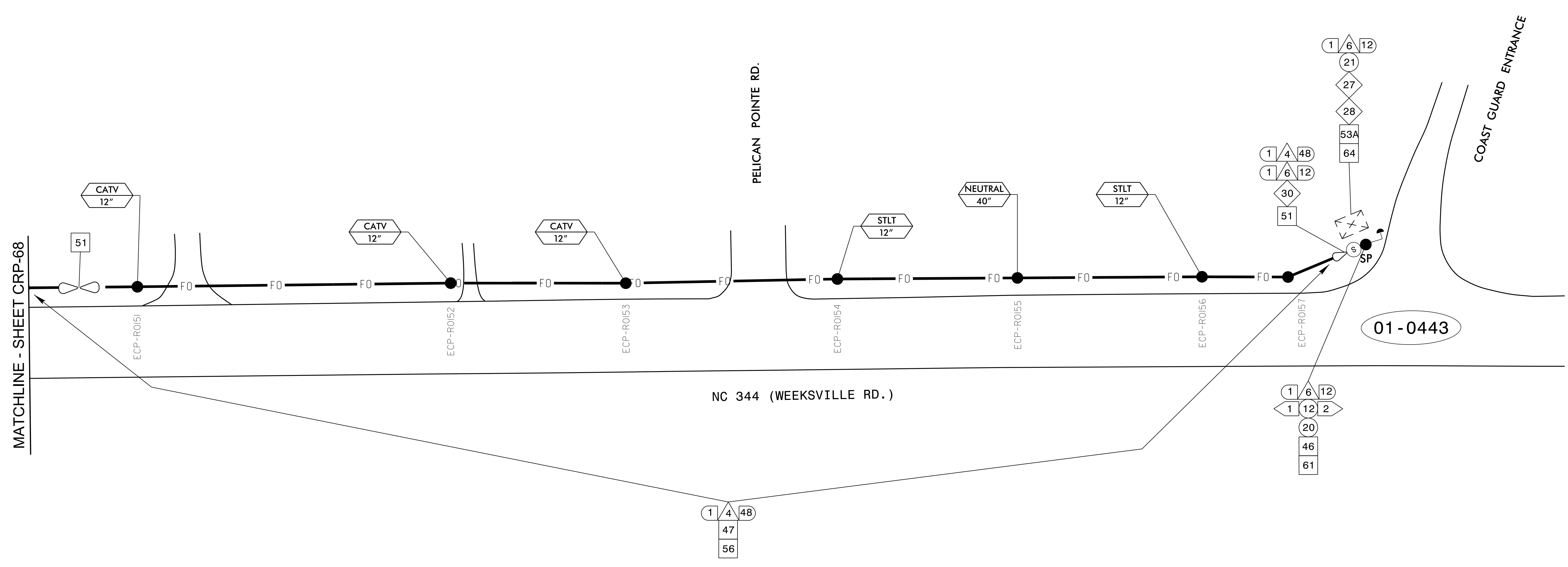
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 PREPARED BY: A. TUTT REVIEWED BY:
 REVISIONS: INIT. DATE
 DocuSigned by: 8/23/2018
 Signature: *A. Tutt*
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NUMBER OF CABLE(S)

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

DISTANCE BELOW (IN) REFERENCE POINT

PLANS PREPARED BY :

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750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
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1" = 50'

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).

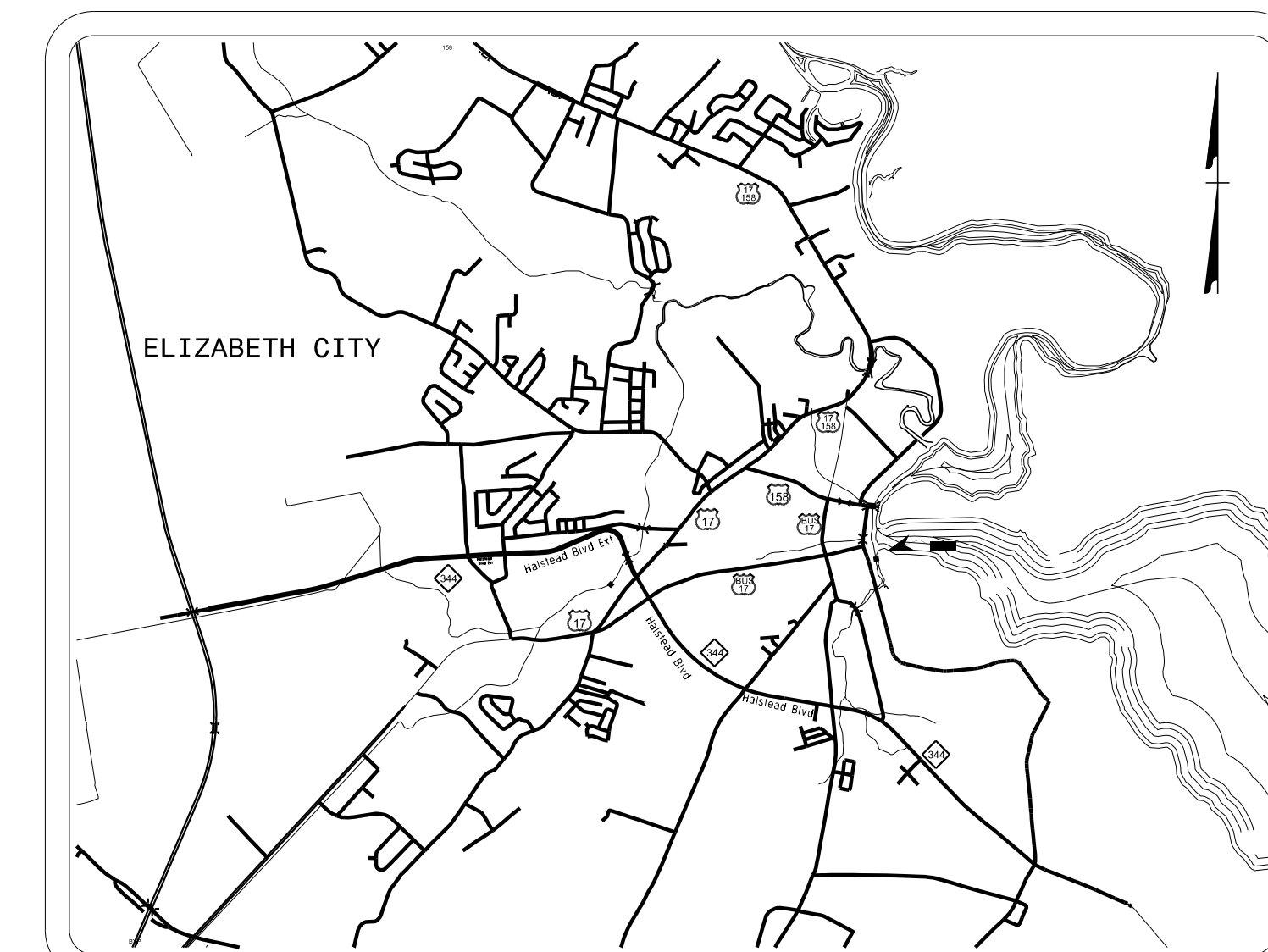
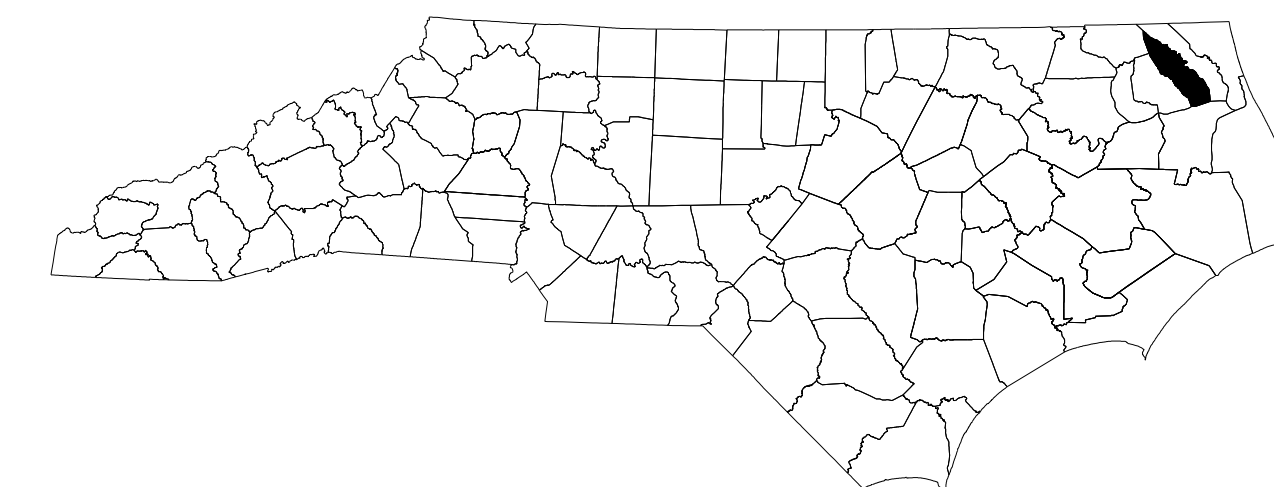
E: OPEN TRAVEL LANE OR SIDEWALK TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

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

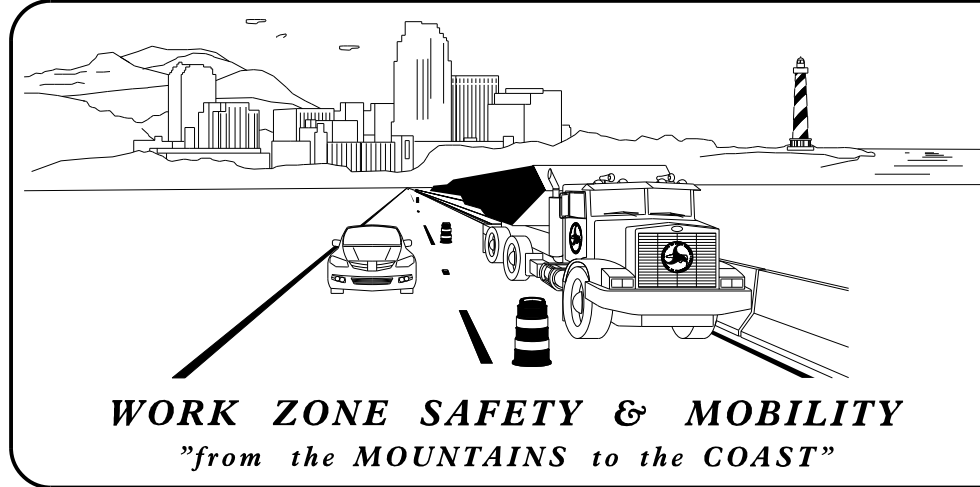
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2	TYPICAL SIDEWALK CLOSURE AND PEDESTRIAN DETOUR



VICINITY MAP

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UNLESS ALL SIGNATURES COMPLETED

<p>Plans Prepared By:</p> <p>DRMP, Inc. 8000 Regency Parkway, Suite 175 Cary, NC 27518 NC License No. C-2213 (919) 650-1038</p>	<p>APPROVED: </p> <p>DATE: 8/22/2018</p>
	<p>SEAL</p>



PLANS PREPARED BY:

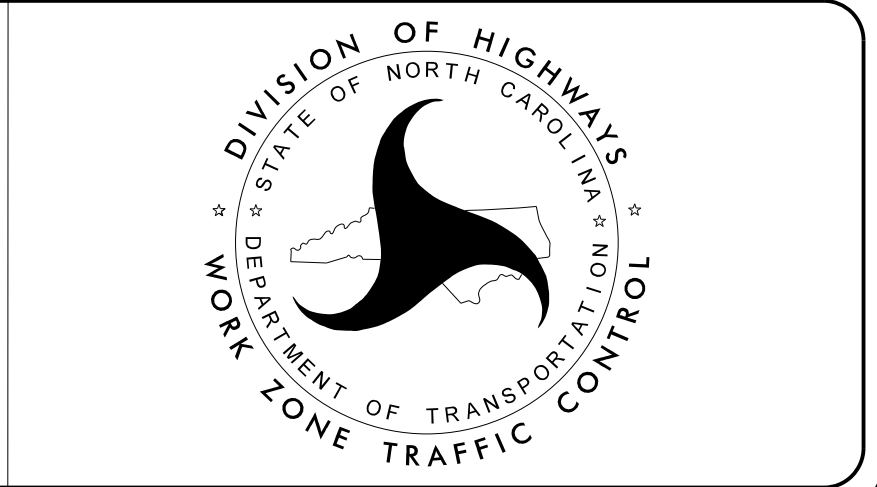
Lisa Moon, P.E.

Rachel Lawton, E.I.

NCDOT CONTACTS:

Joe Hummer, P.E., PhD
STATE TRAFFIC MANAGEMENT ENGINEER

Steve Kite, P.E.
TRAFFIC CONTROL PROJECT ENGINEER



8/22/2018 R:\U5942\TrafficControl\U5942_TCP_TitleSheet.dgn User:dwilite

TIP PROJECT: U-5942

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
- TEMPORARY
- TEMPORARY
- 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

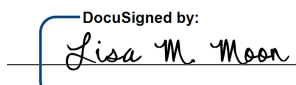
- PAVEMENT MARKING SYMBOLS

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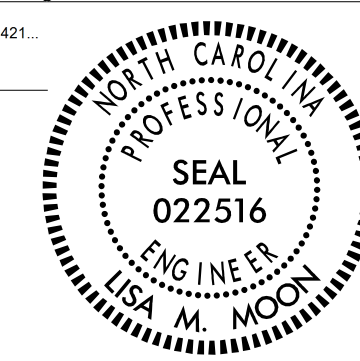
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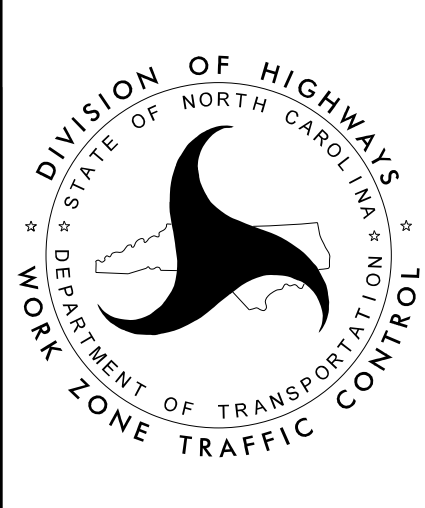
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ROADWAY STANDARD
DRAWINGS & LEGEND