


1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	35	INSTALL CCTV CAMERA POLE MOUNTED CABINET	45	INSTALL STANDARD GUY ASSEMBLY	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE	65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	36	INSTALL CCTV CAMERA ASSEMBLY	46	INSTALL SIDEWALK GUY ASSEMBLY	54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE	66	INSTALL MOLDABLE DUCT SEAL
4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL NEW ETHERNET EDGE SWITCH	37	INSTALL CCTV CAMERA WOOD POLE	47	INSTALL MESSENGER CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE	67	SLACK SPAN
5	EXISTING SMFO CABLE	16	BORE AND JACK CONDUIT	27	INSTALL NEW FIBER OPTIC TRANSCEIVER	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE	56	LASH CABLE(S) TO NEW MESSENGER CABLE	68	INSTALL CABINET BASE ADAPTER
6	INSTALL FIBER OPTIC DROP CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET	39	INSTALL JUNCTION BOX	48B	REMOVE EXISTING COMMUNICATIONS CABLE	57	MODIFY EXISTING ELECTRICAL SERVICE	69	REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
7	INSTALL TRACER WIRE	18	INSTALL CABLE(S) IN NEW CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	49	BACK PULL EXISTING COMMUNICATIONS CABLE	58	INSTALL NEW ELECTRICAL SERVICE	70	REMOVE EXISTING CCTV CAMERA ASSEMBLY
8	TRENCH	19	INSTALL CABLE(S) IN EXISTING RISER	30	INSTALL AERIAL SPLICE ENCLOSURE	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	50	INSTALL CELL MODEM AND ANTENNA	59	INSTALL NEW EQUIPMENT CABINET DISCONNECT	71	REMOVE EXISTING CCTV CAMERA CABINET
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11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	33	INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER	43	REMOVE EXISTING WOOD POLE	52B	INSTALL JUNCTION BOX MARKER	62	BOND RISER AND MESSENGER CABLE TO POLE GROUND	74	REMOVE EXISTING WIRELESS SYSTEM
										63	BOND RISER TO POLE GROUND	75	INSTALL WIRELESS ETHERNET SYSTEM

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
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Plans Prepared For:



750 N. Greenfield Place, Gaston, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

Seal of Kimley-Horn and Associates, Inc.

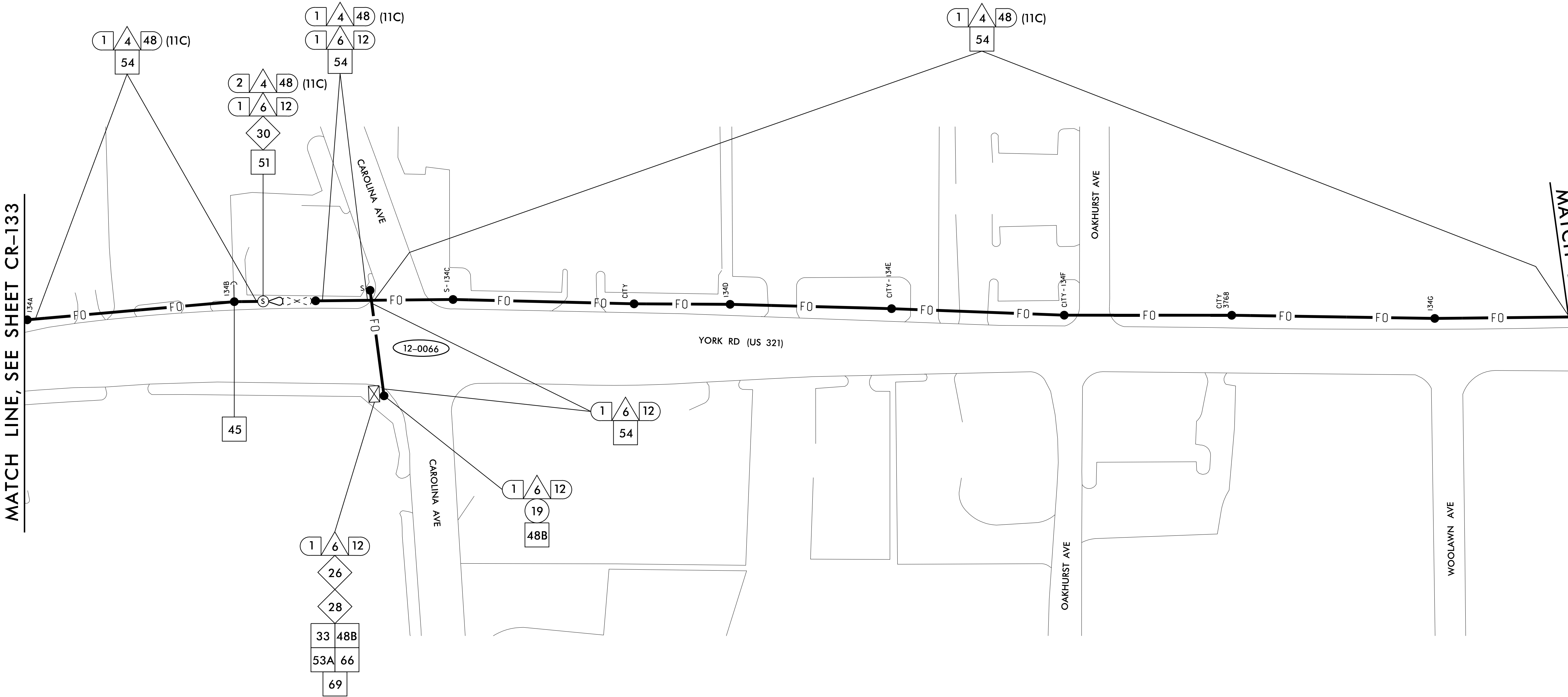
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Tel: (919) 677-2000
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Seal of North Carolina Professional Engineer
MICHAEL Z. VAN OSDELL
3/18/2022

3/17/2022 K:\ARL_TPTD_ITS\01036569 Gastonia SignalSystem\6 Tasks\Plans\Cable Routing\SH1133.CR.dgn

MATCH LINE, SEE SHEET CR-133

MATCH LINE, SEE SHEET CR-135



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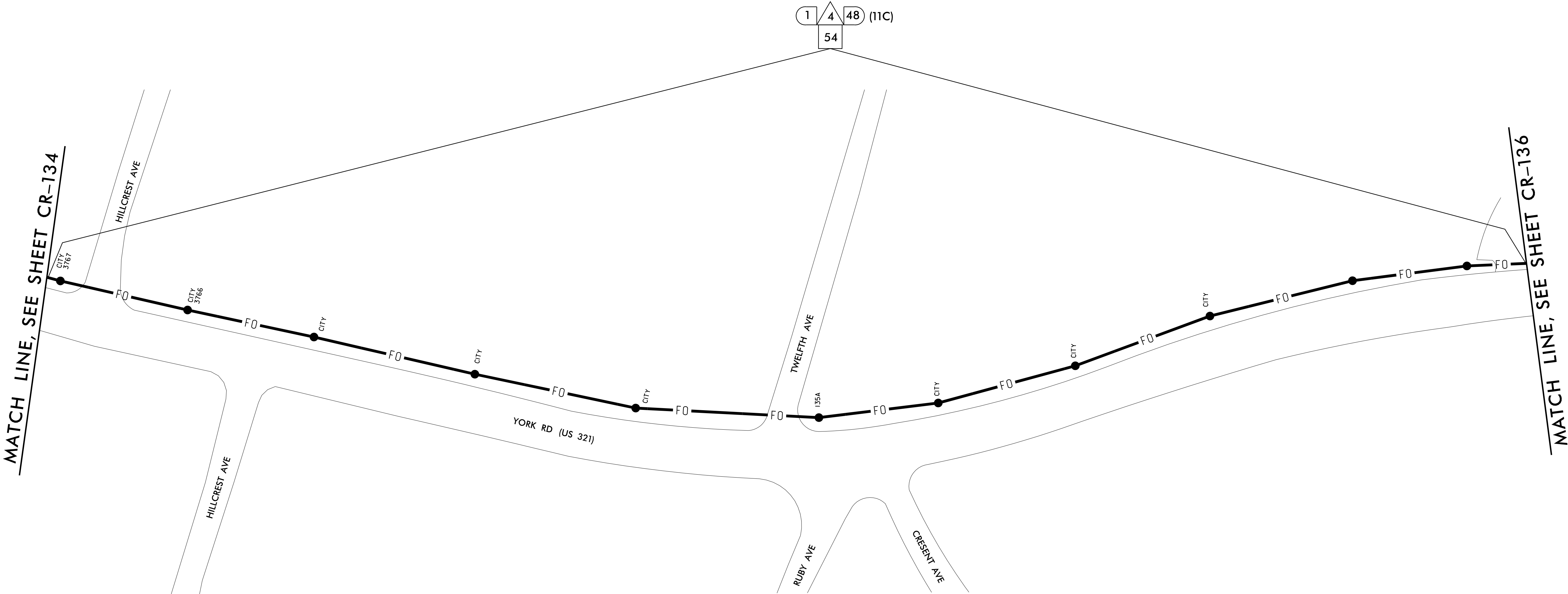
REVISIONS	INIT.	DATE

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Tel: (919) 677-2000
Fax: (919) 677-2050

DocuSigned by:
Igor Van Osdel
3/18/2022

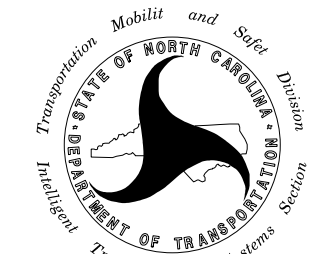
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Plans Prepared For:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Division 12
750 N. Greenfield Place, Garner, NC 27529

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SCALE

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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12GASTON COUNTY

PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLERREVIEWED BY: I. VAN OSDELL

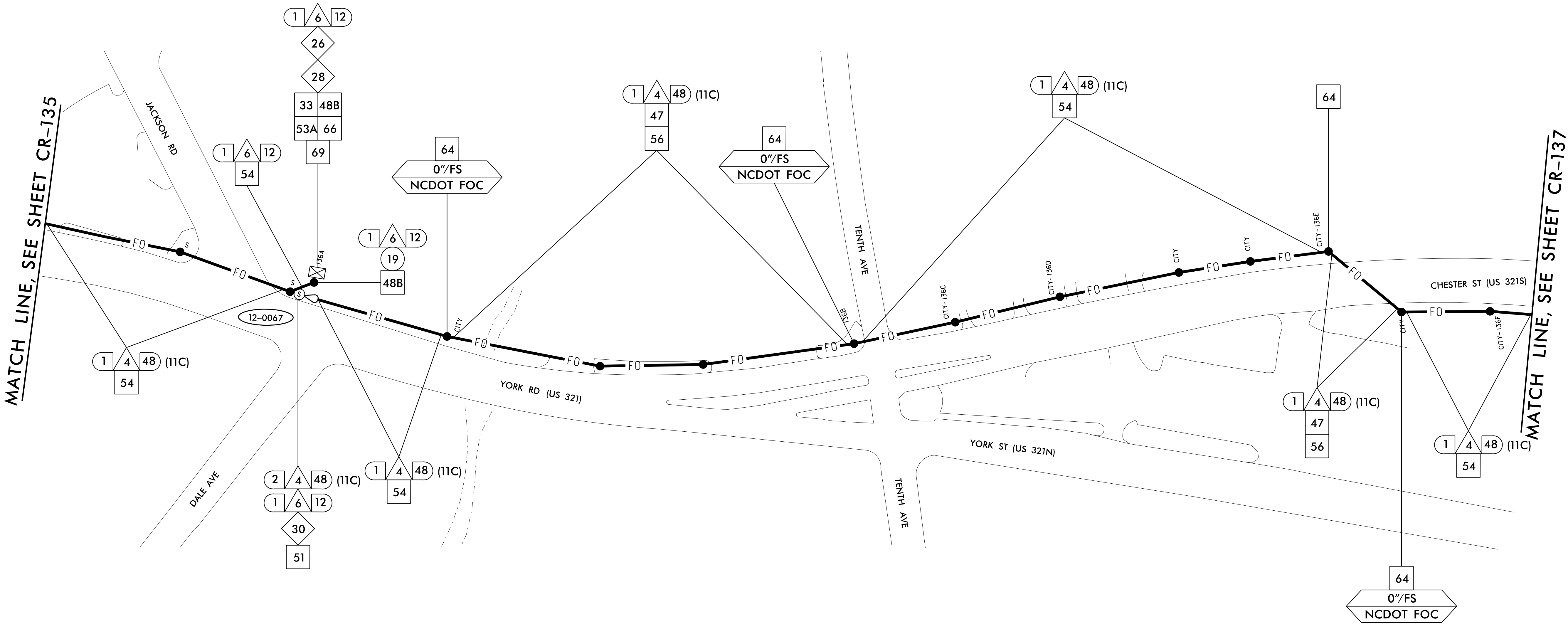
REVISIONS	INIT.	DATE

Seal of I. Van Osdel, Professional Engineer, No. 028952

DocuSigned by:
I. Van Osdel

3/18/2022

CADD File name:



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Plans Prepared For:

750 N. Greenfield Place, Gastonia, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.

DATE

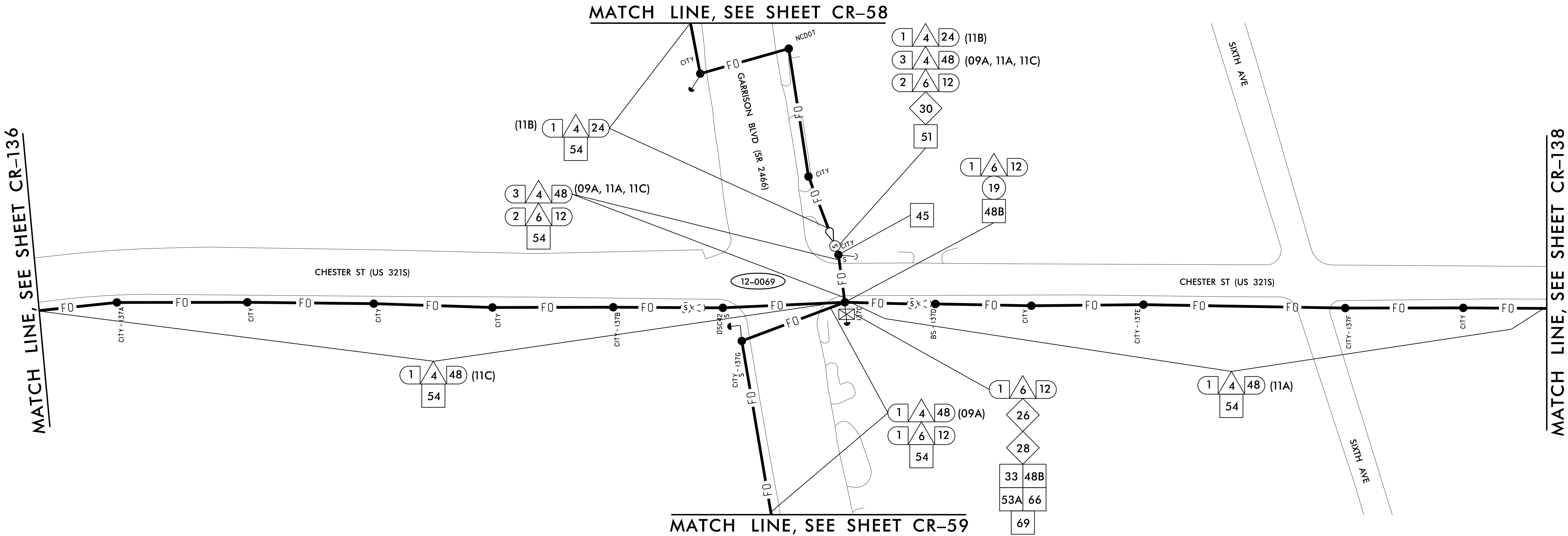
Seal of the State of North Carolina

Seal of the Professional Engineer

DocuSigned by: Inger Van Osdel

3/18/2022

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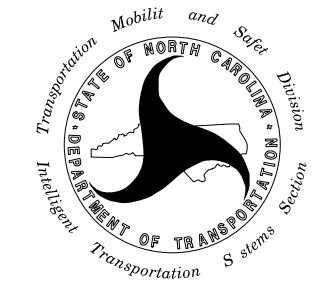
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NOTES:

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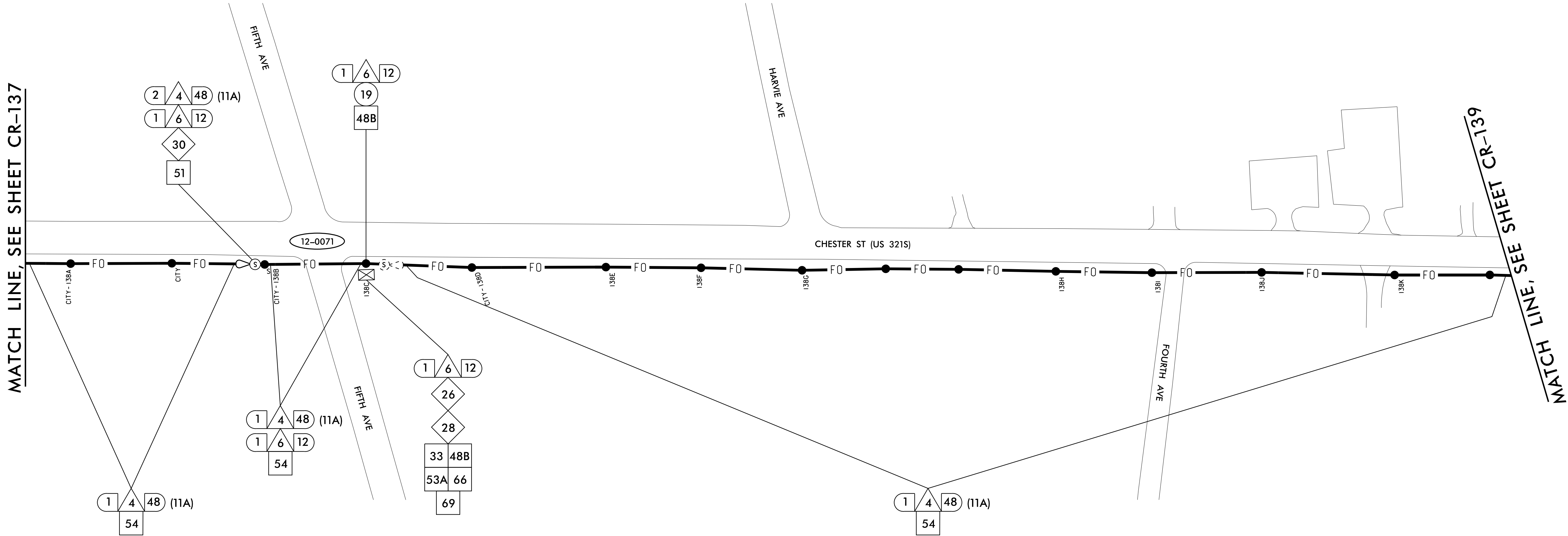
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Seal: NORTH CAROLINA PROFESSIONAL SEAL 028952

DocuSigned by: *Ingur Van Osdel* 3/18/2022

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750 N. Greenfield Place, Gaston, NC 27529

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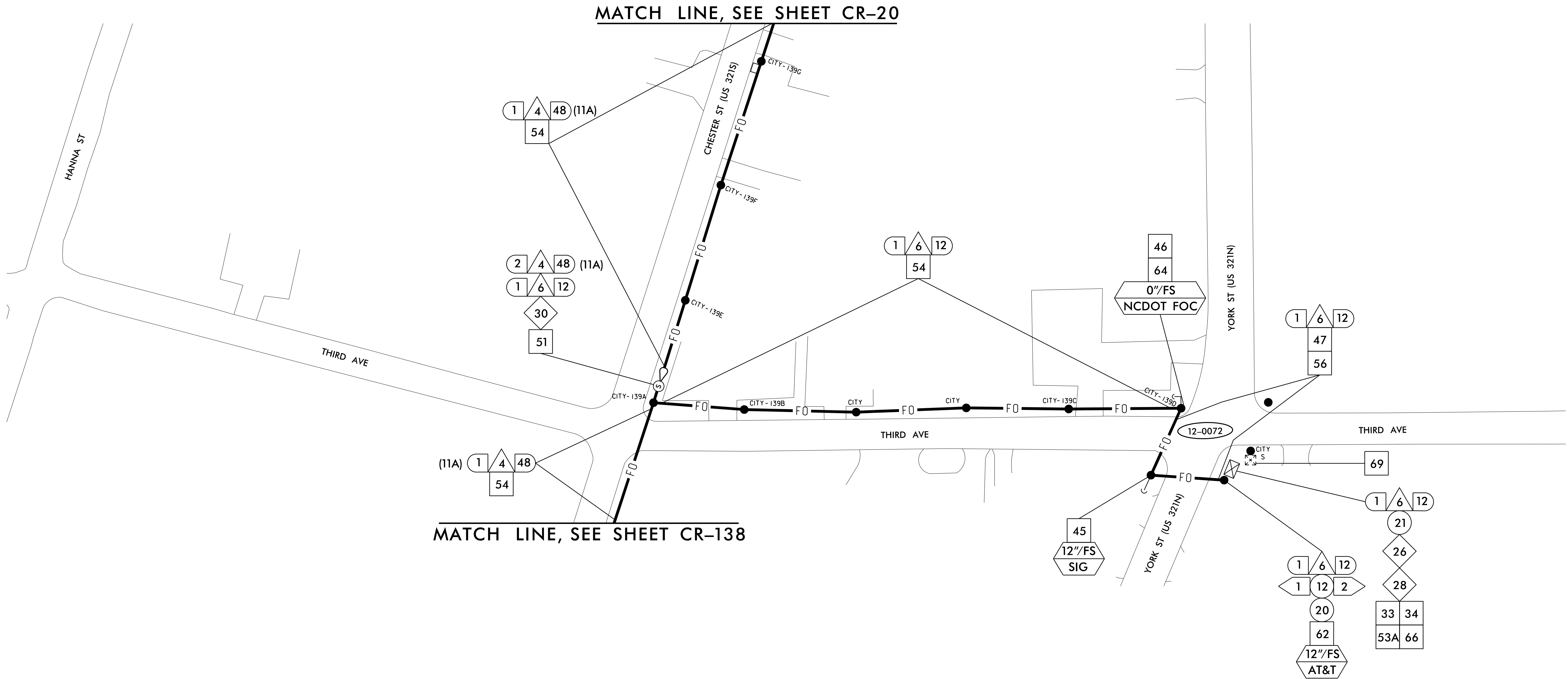
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Seal of Kimley-Horn, Inc.

NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

DocuSigned by:
Inger Van Osdel
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DIVISION 12 GASTON COUNTY

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Seal of the State of North Carolina Professional Engineer, No. 028952, Mike Z. Van Osdel.

DocuSigned by: *Ingvar Van Osdel* 3/18/2022

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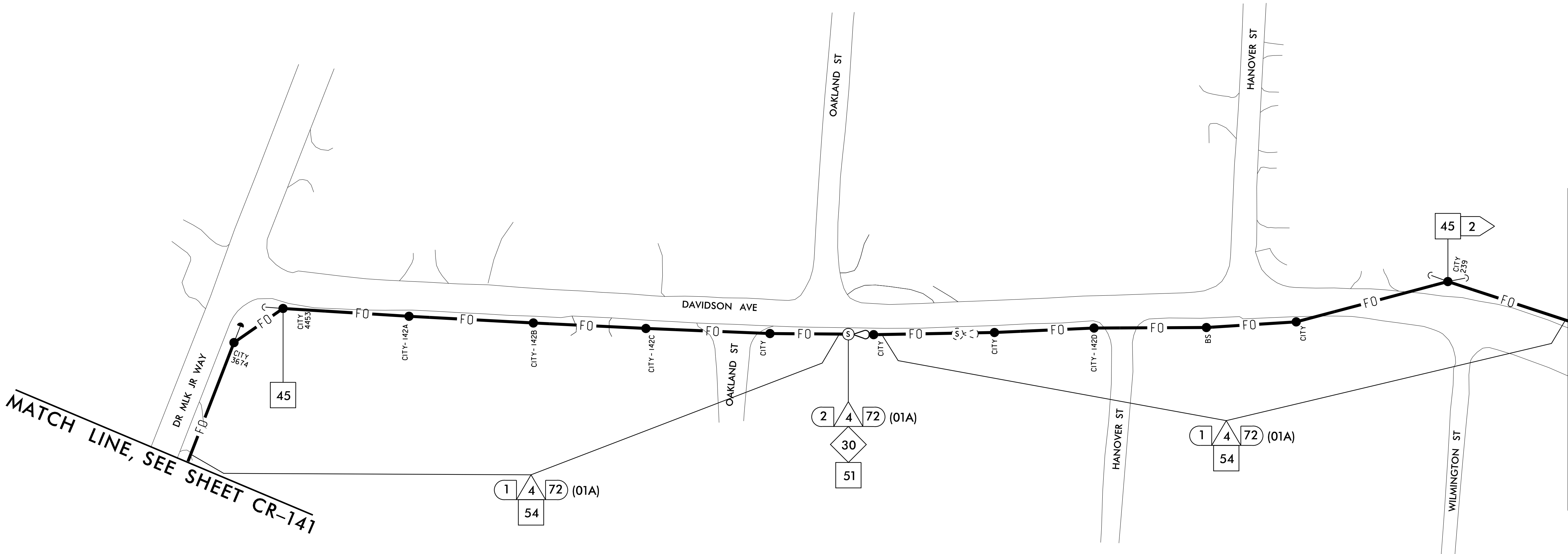
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Plans Prepared For:

750 N. Greenfield Place, Gastonia, NC 27529

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SCALE

North Arrow

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12GASTON COUNTY

PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLERREVIEWED BY: I. VAN OSDELL

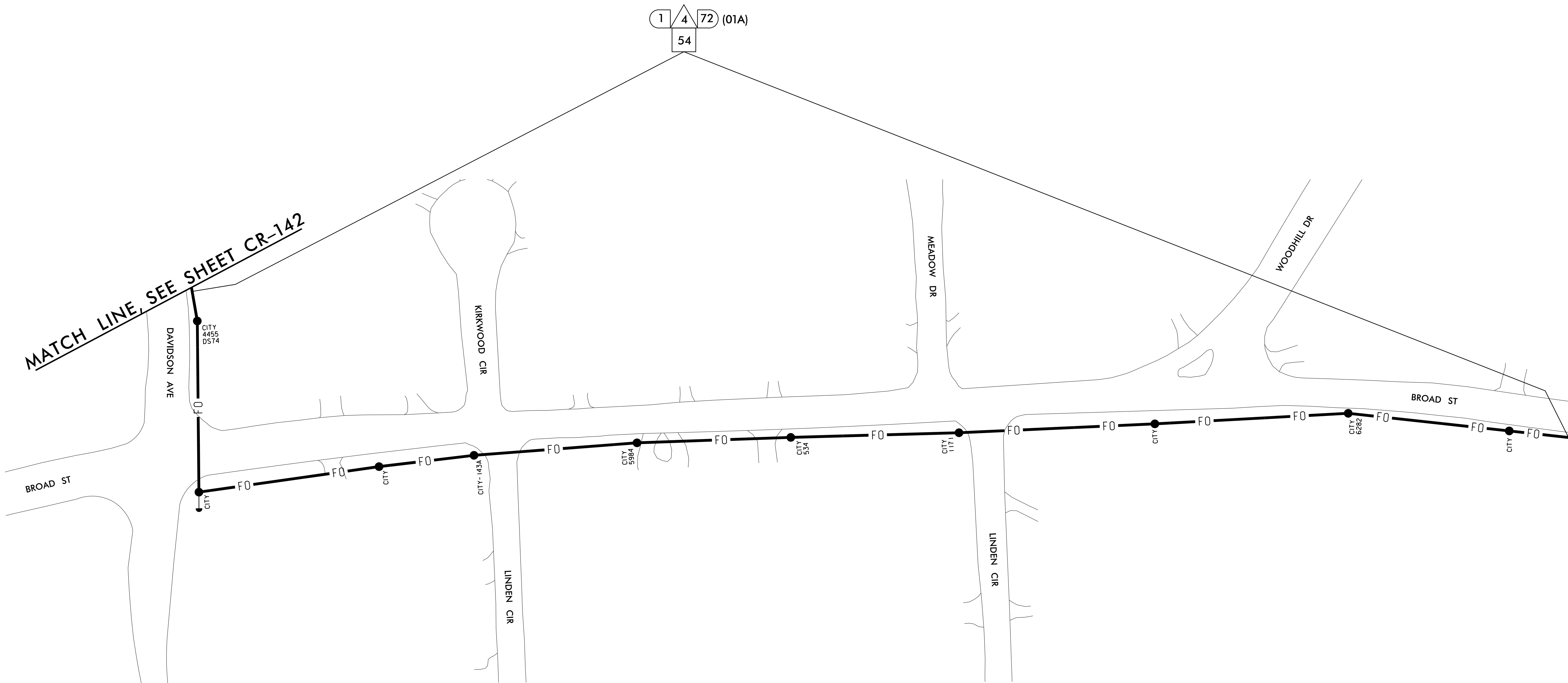
REVISIONS	INIT.	DATE

Seal of Kimley-Horn, Inc.

NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

DocuSigned by:
Igor Van OsdeLL
3/18/2022

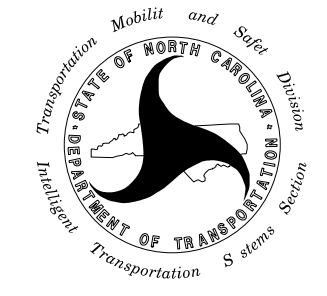
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

0

SCALE

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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

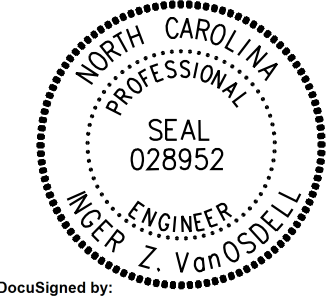
REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.


DATE

SEAL



NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

DocuSigned by:

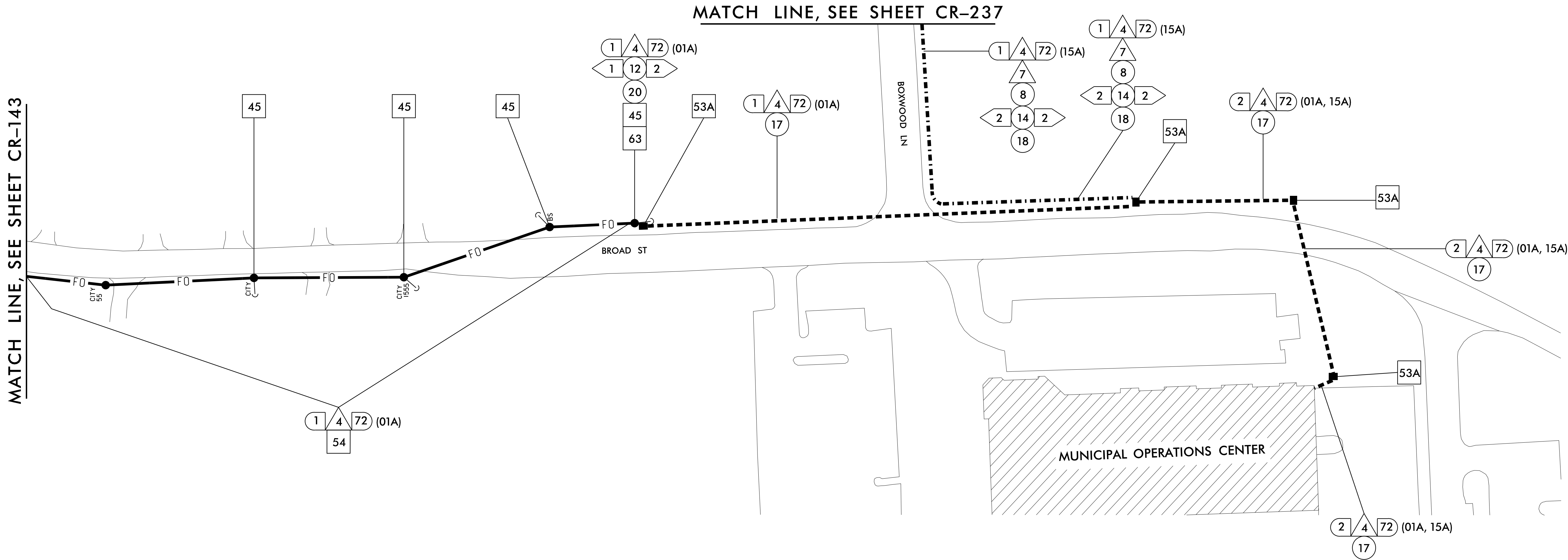


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DATE

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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

0 SCALE 50

DocuSigned by: *Inger Van Osdel* 3/18/2022

SEAL 028952

CADD Filename:

MATCH LINE, SEE SHEET CR-93

MATCH LINE, SEE SHEET CR-146



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9	INSTALL PVC CONDUIT	20	INSTALL CABLE(S) IN NEW RISER	31	MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE	41	REMOVE EXISTING JUNCTION BOX	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	60	BOND TRACER WIRE TO EQUIPMENT GROUND BUS	72	REMOVE CABINET FOUNDATION
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS	32	INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER	42	INSTALL WOOD POLE	52A	INSTALL DELINEATOR MARKER	61	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	73	MODIFY EXISTING CABINET FOUNDATION
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	33	INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER	43	REMOVE EXISTING WOOD POLE	52B	INSTALL JUNCTION BOX MARKER	62	BOND RISER AND MESSENGER CABLE TO POLE GROUND	74	REMOVE EXISTING WIRELESS SYSTEM
										63	BOND RISER TO POLE GROUND	75	INSTALL WIRELESS ETHERNET SYSTEM

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

Plans Prepared For:

750 N. Greenfield Place, Gastonia, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

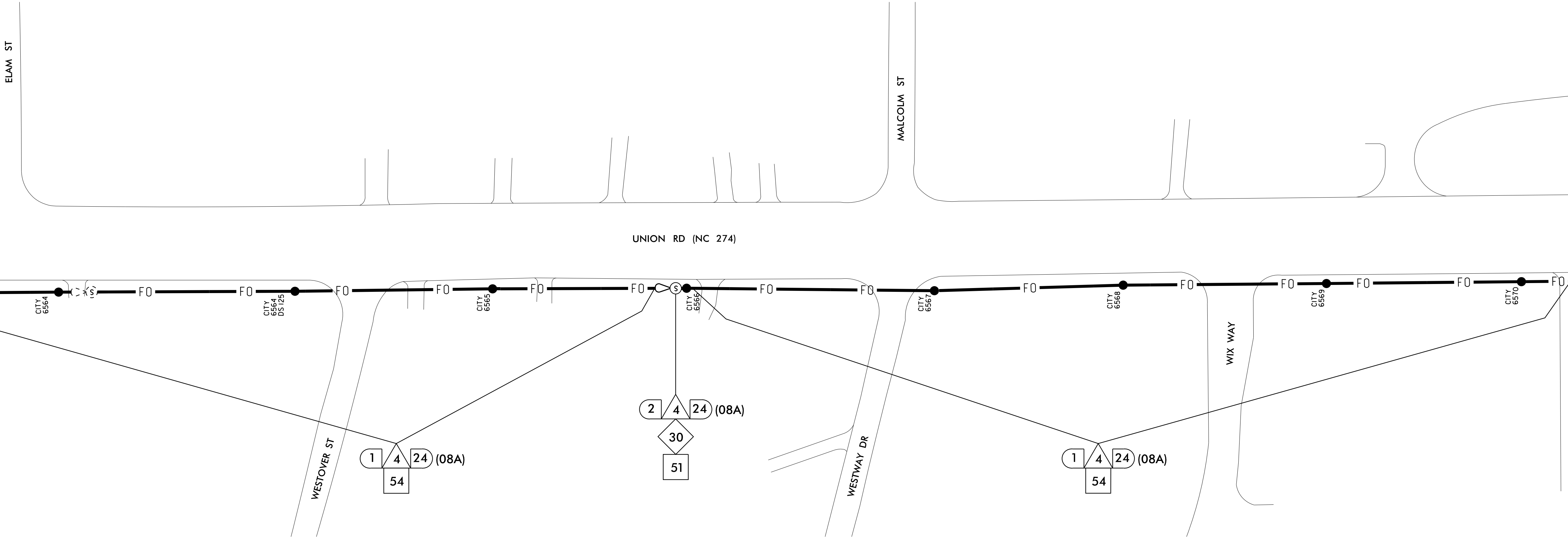
0 SCALE 50

NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 028952
MICHAEL Z. VAN OSDELL
ENGINEER

DocuSigned by:
Igor Van OsdeLL
3/18/2022
CADD Filename:

MATCH LINE, SEE SHEET CR-145

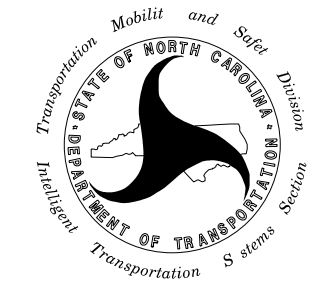


MATCH LINE, SEE SHEET CR-147

1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	35	INSTALL CCTV CAMERA POLE MOUNTED CABINET	45	INSTALL STANDARD GUY ASSEMBLY	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE	65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	36	INSTALL CCTV CAMERA ASSEMBLY	46	INSTALL SIDEWALK GUY ASSEMBLY	54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE	66	INSTALL MOLDABLE DUCT SEAL
4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL NEW ETHERNET EDGE SWITCH	37	INSTALL CCTV CAMERA WOOD POLE	47	INSTALL MESSENGER CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE	67	SLACK SPAN
5	EXISTING SMFO CABLE	16	BORE AND JACK CONDUIT	27	INSTALL NEW FIBER OPTIC TRANSCEIVER	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE	56	LASH CABLE(S) TO NEW MESSENGER CABLE	68	INSTALL CABINET BASE ADAPTER
6	INSTALL FIBER OPTIC DROP CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET	39	INSTALL JUNCTION BOX	48B	REMOVE EXISTING COMMUNICATIONS CABLE	57	MODIFY EXISTING ELECTRICAL SERVICE	69	REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
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- NOTES:
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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

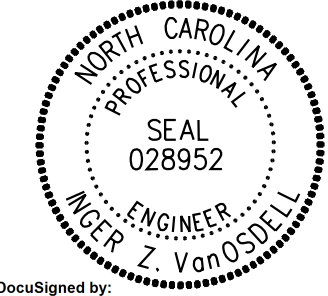
DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SEAL

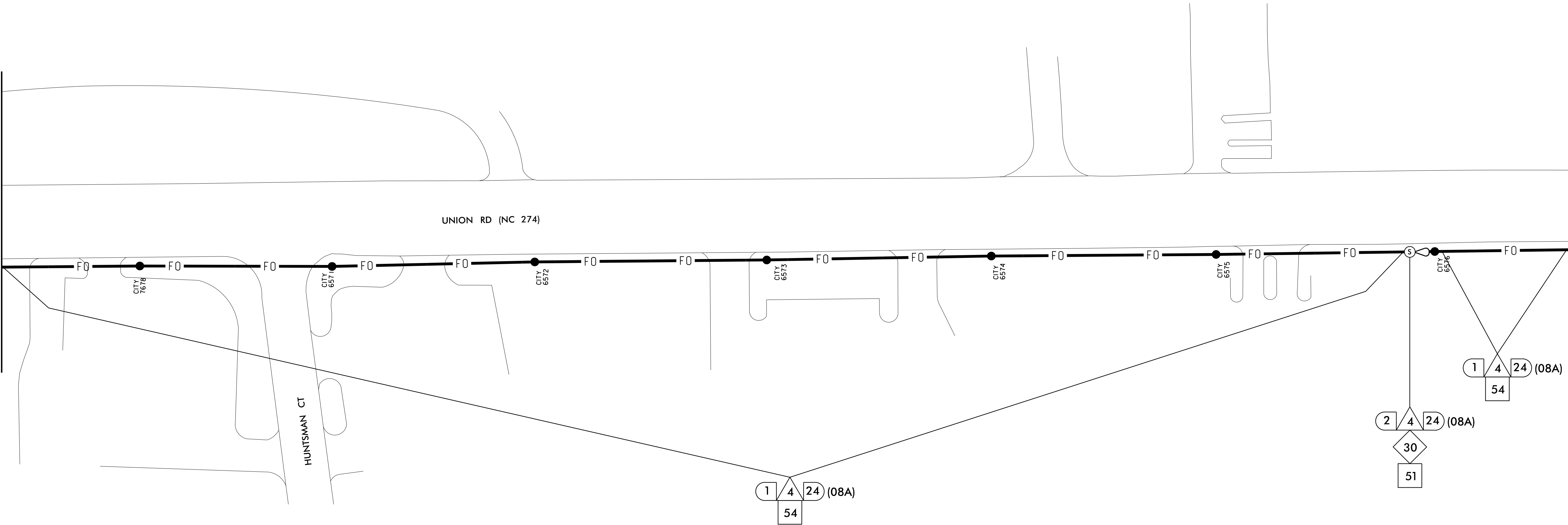


DocuSigned by: Iger Van Osdel 3/18/2022

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MATCH LINE, SEE SHEET CR-146

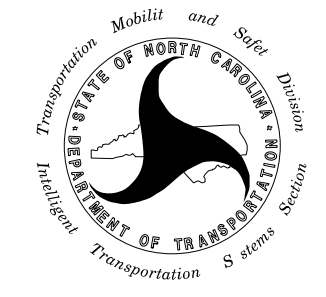
MATCH LINE, SEE SHEET CR-148



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
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4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL NEW ETHERNET EDGE SWITCH	37	INSTALL CCTV CAMERA WOOD POLE	47	INSTALL MESSENGER CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE	67	SLACK SPAN
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Plans Prepared For:



750 N. Greenfield Place, Gastonia, NC 27529

0 SCALE 50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
REVISIONS	INIT.	DATE	

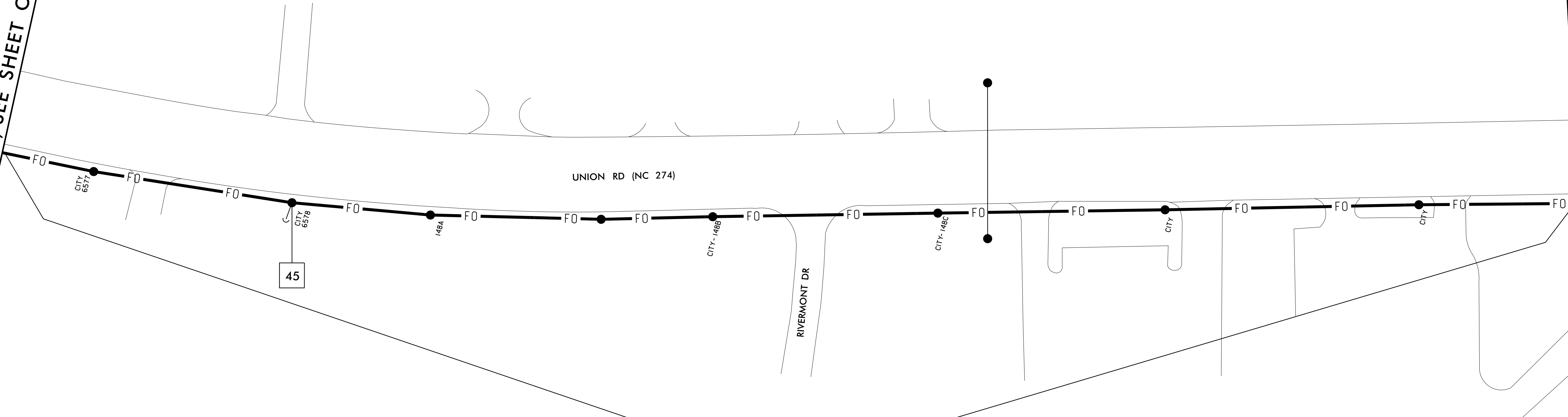
Seal of the North Carolina Professional Engineer, Mike Z. Von Osdel, License #F-0102, 421 Fayetteville St., Suite 600, Raleigh, NC 27601, Tel: (919) 677-2000, Fax: (919) 677-2050.

DocuSigned by: *Mike Z. Von Osdel* 3/18/2022

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MATCH LINE, SEE SHEET CR-147

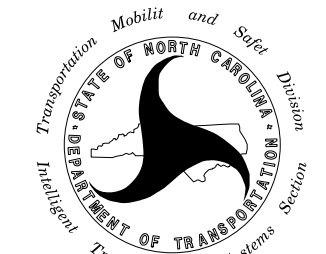
MATCH LINE, SEE SHEET CR-149



<div>1</div> <div>INSTALL COAX CABLE</div>	<div>12</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</div>	<div>23</div> <div>INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>34</div> <div>INSTALL CABINET FOUNDATION</div>	<div>44</div> <div>INSTALL AERIAL GUY ASSEMBLY</div>	<div>53A</div> <div>STORE 20 FEET OF COMMUNICATIONS CABLE</div>	<div>64</div> <div>BOND MESSENGER CABLE TO POLE GROUND</div>
<div>2</div> <div>INSTALL ETHERNET CABLE</div>	<div>13</div> <div>INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</div>	<div>24</div> <div>INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</div>	<div>35</div> <div>INSTALL CCTV CAMERA POLE MOUNTED CABINET</div>	<div>45</div> <div>INSTALL STANDARD GUY ASSEMBLY</div>	<div>53B</div> <div>STORE 50 FEET OF EACH COMMUNICATIONS CABLE</div>	<div>65</div> <div>INSTALL HEAT SHRINK TUBING RETROFIT KIT</div>
<div>3</div> <div>EXISTING ETHERNET (OR COAX) CABLE</div>	<div>14</div> <div>INSTALL POLYETHYLENE CONDUIT</div>	<div>25</div> <div>INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</div>	<div>36</div> <div>INSTALL CCTV CAMERA ASSEMBLY</div>	<div>46</div> <div>INSTALL SIDEWALK GUY ASSEMBLY</div>	<div>54</div> <div>LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE</div>	<div>66</div> <div>INSTALL MOLDABLE DUCT SEAL</div>
<div>4</div> <div>INSTALL SMFO CABLE</div>	<div>15</div> <div>DIRECTIONAL DRILL CONDUIT</div>	<div>26</div> <div>INSTALL NEW ETHERNET EDGE SWITCH</div>	<div>37</div> <div>INSTALL CCTV CAMERA WOOD POLE</div>	<div>47</div> <div>INSTALL MESSENGER CABLE</div>	<div>55</div> <div>LASH CABLE(S) TO EXISTING MESSENGER /SIGNAL CABLE</div>	<div>67</div> <div>SLACK SPAN</div>
<div>5</div> <div>EXISTING SMFO CABLE</div>	<div>16</div> <div>BORE AND JACK CONDUIT</div>	<div>27</div> <div>INSTALL NEW FIBER OPTIC TRANSCEIVER</div>	<div>38</div> <div>INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</div>	<div>48A</div> <div>REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE</div>	<div>56</div> <div>LASH CABLE(S) TO NEW MESSENGER CABLE</div>	<div>68</div> <div>INSTALL CABINET BASE ADAPTER</div>
<div>6</div> <div>INSTALL FIBER OPTIC DROP CABLE</div>	<div>17</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT</div>	<div>28</div> <div>INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET</div>	<div>39</div> <div>INSTALL JUNCTION BOX</div>	<div>48B</div> <div>REMOVE EXISTING COMMUNICATIONS CABLE</div>	<div>57</div> <div>MODIFY EXISTING ELECTRICAL SERVICE</div>	<div>69</div> <div>REMOVE EXISTING SIGNAL CABINET AND CONTROLLER</div>
<div>7</div> <div>INSTALL TRACER WIRE</div>	<div>18</div> <div>INSTALL CABLE(S) IN NEW CONDUIT</div>	<div>29</div> <div>INSTALL UNDERGROUND SPLICE ENCLOSURE</div>	<div>40A</div> <div>INSTALL OVERSIZED JUNCTION BOX</div>	<div>49</div> <div>BACK PULL EXISTING COMMUNICATIONS CABLE</div>	<div>58</div> <div>INSTALL NEW ELECTRICAL SERVICE</div>	<div>70</div> <div>REMOVE EXISTING CCTV CAMERA ASSEMBLY</div>
<div>8</div> <div>TRENCH</div>	<div>19</div> <div>INSTALL CABLE(S) IN EXISTING RISER</div>	<div>30</div> <div>INSTALL AERIAL SPLICE ENCLOSURE</div>	<div>40B</div> <div>INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")</div>	<div>50</div> <div>INSTALL CELL MODEM AND ANTENNA</div>	<div>59</div> <div>INSTALL NEW EQUIPMENT CABINET DISCONNECT</div>	<div>71</div> <div>REMOVE EXISTING CCTV CAMERA CABINET</div>
<div>9</div> <div>INSTALL PVC CONDUIT</div>	<div>20</div> <div>INSTALL CABLE(S) IN NEW RISER</div>	<div>31</div> <div>MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE</div>	<div>41</div> <div>REMOVE EXISTING JUNCTION BOX</div>	<div>51</div> <div>INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</div>	<div>60</div> <div>BOND RISER AND MESSENGER CABLE TO EQUIPMENT GROUND BUS</div>	<div>72</div> <div>REMOVE CABINET FOUNDATION</div>
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- NOTES:
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Plans Prepared For:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Division 12
750 N. Greenfield Place, Garner, NC 27529

0

SCALE

50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12GASTON COUNTY

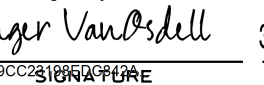
PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLERREVIEWED BY: I. VAN OSDELL

REVISIONS

INIT. DATE

DocuSigned by:

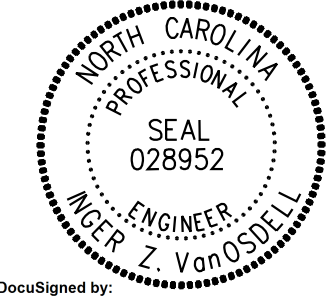


Inger Van Osdel

3/18/2022

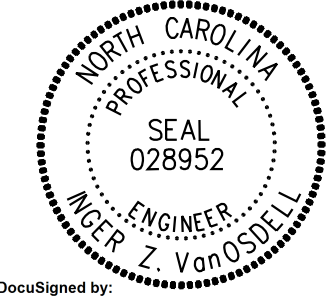
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Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050



SEAL



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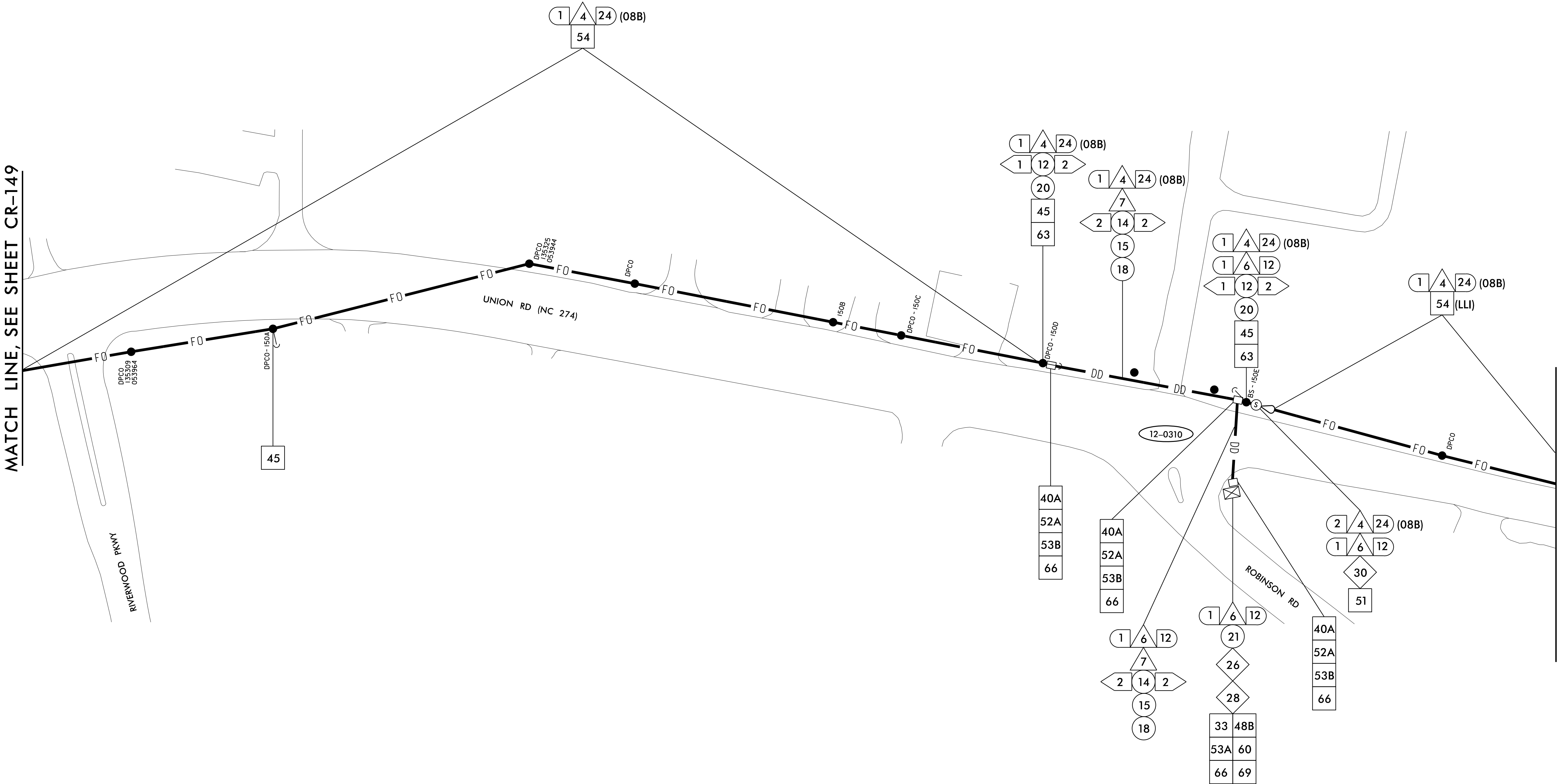


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 2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.
 3. INSTALL NEW CCTV CAMERA IN PLACE OF EXISTING CCTV CAMERA.

<p>Plans Prepared For:</p>  <p>Transportation Mobile and Safe Division STREET OF TRANSPORTATION Transposition S same Section</p> <p>750 N. Greenfield Pkwy., Garner, NC. 27529</p>	<h2 style="margin: 0;">CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN</h2>	<p style="text-align: right;">SEAL</p> 																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">DIVISION 12</td> <td colspan="2" style="padding: 2px;">GASTON COUNTY</td> </tr> <tr> <td style="width: 33%; padding: 2px;">PLAN DATE: DECEMBER 2021</td> <td style="width: 33%; padding: 2px;">REVIEWED BY: K. SMITH</td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> <tr> <td style="padding: 2px;">PREPARED BY: S. BUTLER</td> <td style="padding: 2px;">REVIEWED BY: I. VAN OSDELL</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>			DIVISION 12		GASTON COUNTY		PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH			PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL																							
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MATCH LINE, SEE SHEET CR-149

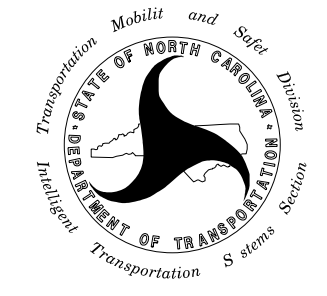
MATCH LINE, SEE SHEET CR-201



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

Seal of Kimley»Horn

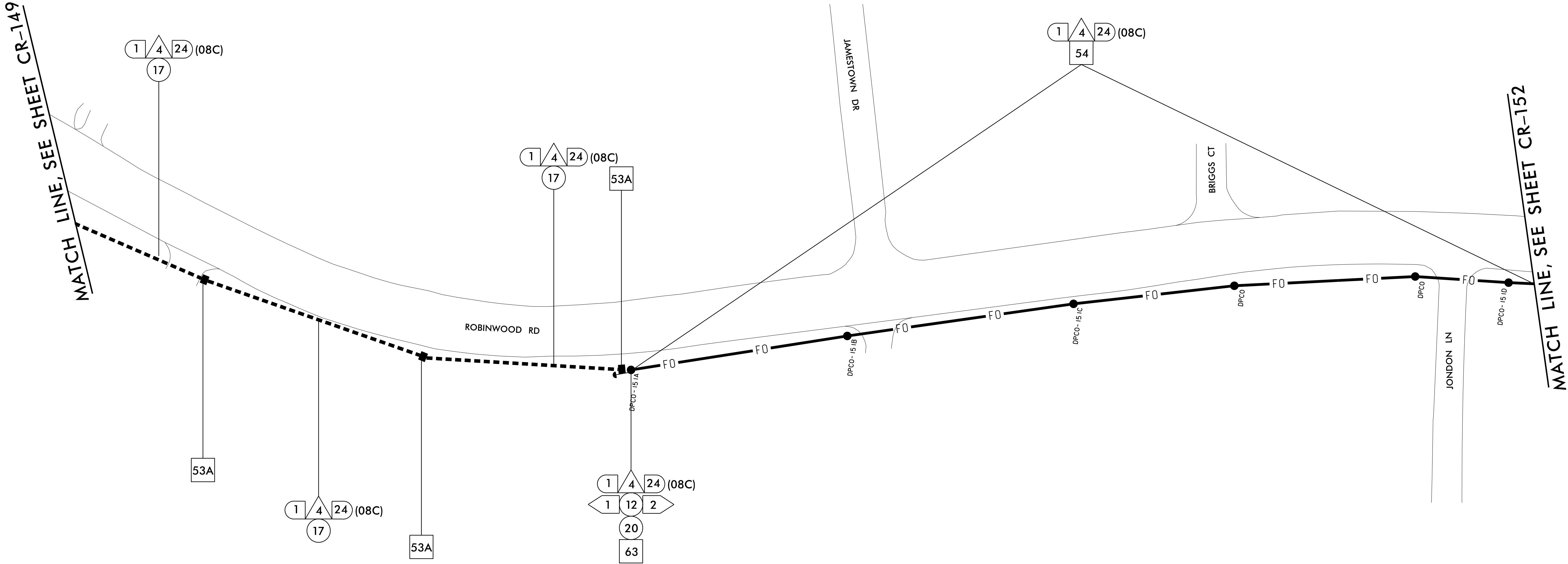
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Tel: (919) 677-2000
Fax: (919) 677-2050

Seal of North Carolina Professional Engineer

Seal 028952

DocuSigned by: Inger Van Osdel
3/18/2022

CADD Filename:



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Plans Prepared For:

750 N. Greenfield Place, Gastonia, NC 27529

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SCALE

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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.

DATE

Seal of Kimley-Horn, Inc.

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

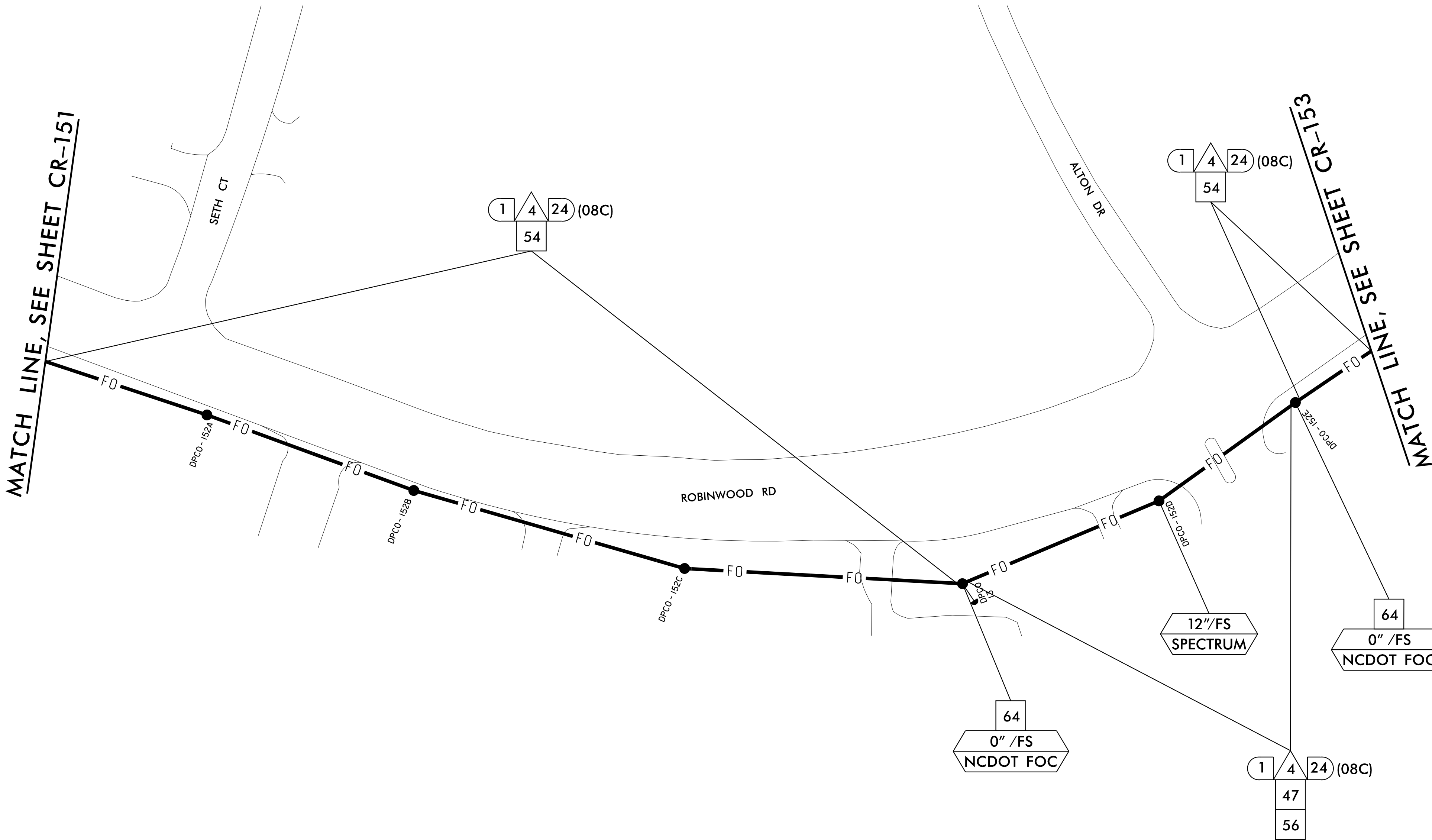
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Signature

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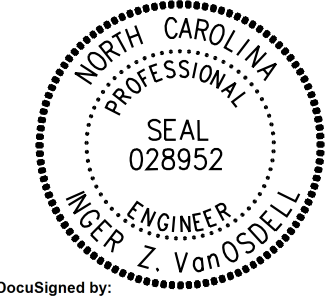
DIVISION 12 GASTON COUNTY

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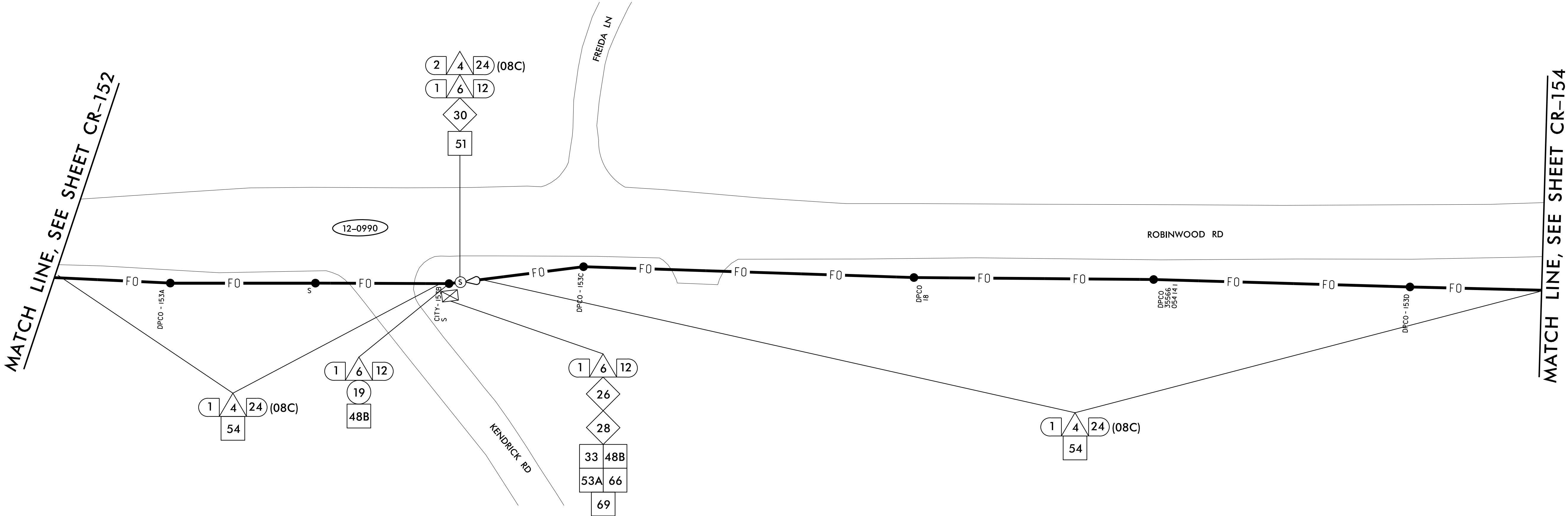
SEAL



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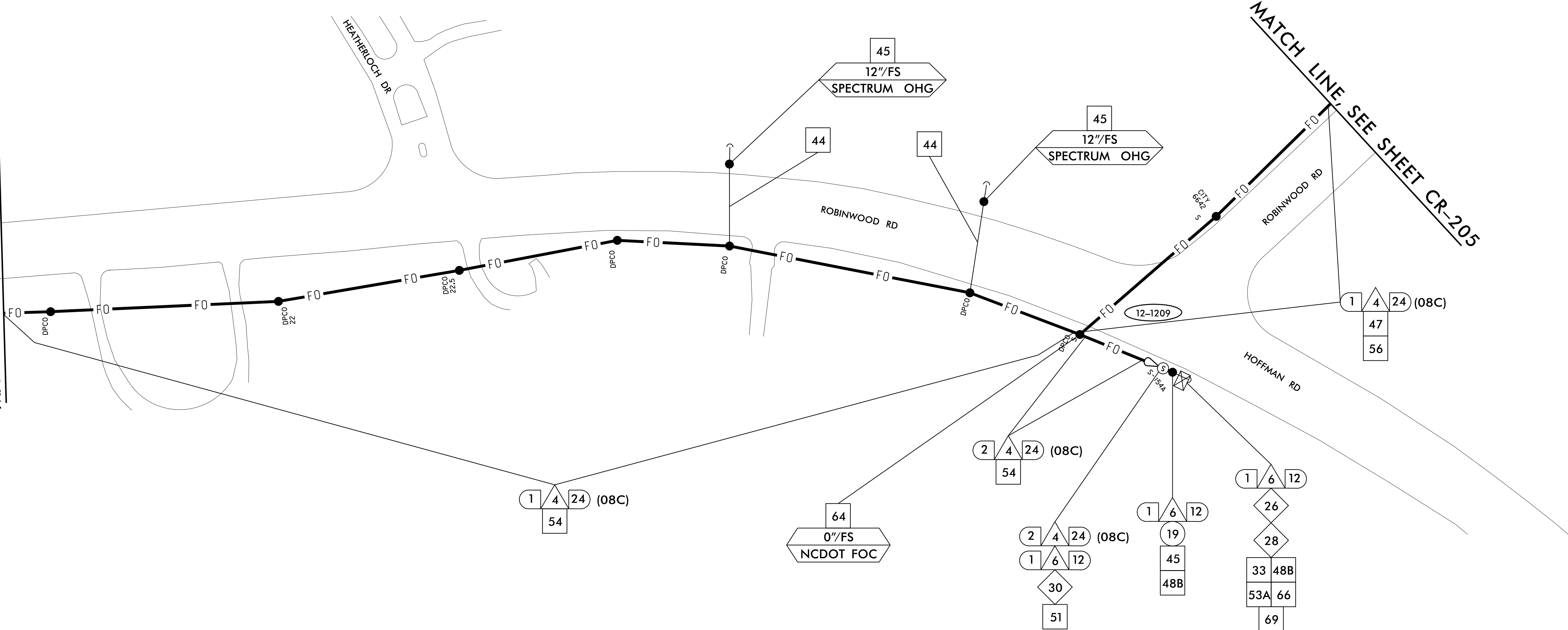
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3/18/2022

CADD Filename:

MATCH LINE, SEE SHEET CR-153

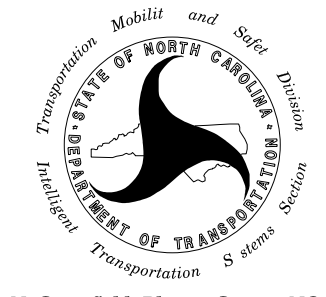
MATCH LINE, SEE SHEET CR-205



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	35	INSTALL CCTV CAMERA POLE MOUNTED CABINET	45	INSTALL STANDARD GUY ASSEMBLY	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE	65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	36	INSTALL CCTV CAMERA ASSEMBLY	46	INSTALL SIDEWALK GUY ASSEMBLY	54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE	66	INSTALL MOLDBLE DUCT SEAL
4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	37	INSTALL CCTV CAMERA WOOD POLE	47	INSTALL MESSENGER CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE	67	SLACK SPAN
5	EXISTING SMFO CABLE	16	BORE AND JACK CONDUIT	27	INSTALL NEW FIBER OPTIC TRANSCEIVER	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE	56	LASH CABLE(S) TO NEW MESSENGER CABLE	68	INSTALL CABINET BASE ADAPTER
6	INSTALL FIBER OPTIC DROP CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET	39	INSTALL JUNCTION BOX	48B	REMOVE EXISTING COMMUNICATIONS CABLE	57	MODIFY EXISTING ELECTRICAL SERVICE	69	REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
7	INSTALL TRACER WIRE	18	INSTALL CABLE(S) IN NEW CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	49	BACK PULL EXISTING COMMUNICATIONS CABLE	58	INSTALL NEW ELECTRICAL SERVICE	70	REMOVE EXISTING CCTV CAMERA ASSEMBLY
8	TRENCH	19	INSTALL CABLE(S) IN EXISTING RISER	30	INSTALL AERIAL SPLICE ENCLOSURE	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	50	INSTALL CELL MODEM AND ANTENNA	59	INSTALL NEW EQUIPMENT CABINET DISCONNECT	71	REMOVE EXISTING CCTV CAMERA CABINET
9	INSTALL PVC CONDUIT	20	INSTALL CABLE(S) IN NEW RISER	31	MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE	41	REMOVE EXISTING JUNCTION BOX	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	60	BOND TRACER WIRE TO EQUIPMENT GROUND BUS	72	REMOVE CABINET FOUNDATION
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS	32	INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER	42	INSTALL WOOD POLE	52A	INSTALL DELINEATOR MARKER	61	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	73	MODIFY EXISTING CABINET FOUNDATION
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	33	INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER	43	REMOVE EXISTING WOOD POLE	52B	INSTALL JUNCTION BOX MARKER	62	BOND RISER AND MESSENGER CABLE TO POLE GROUND	74	REMOVE EXISTING WIRELESS SYSTEM
										63	BOND RISER TO POLE GROUND	75	INSTALL WIRELESS ETHERNET SYSTEM

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
REVISIONS	INIT.	DATE	

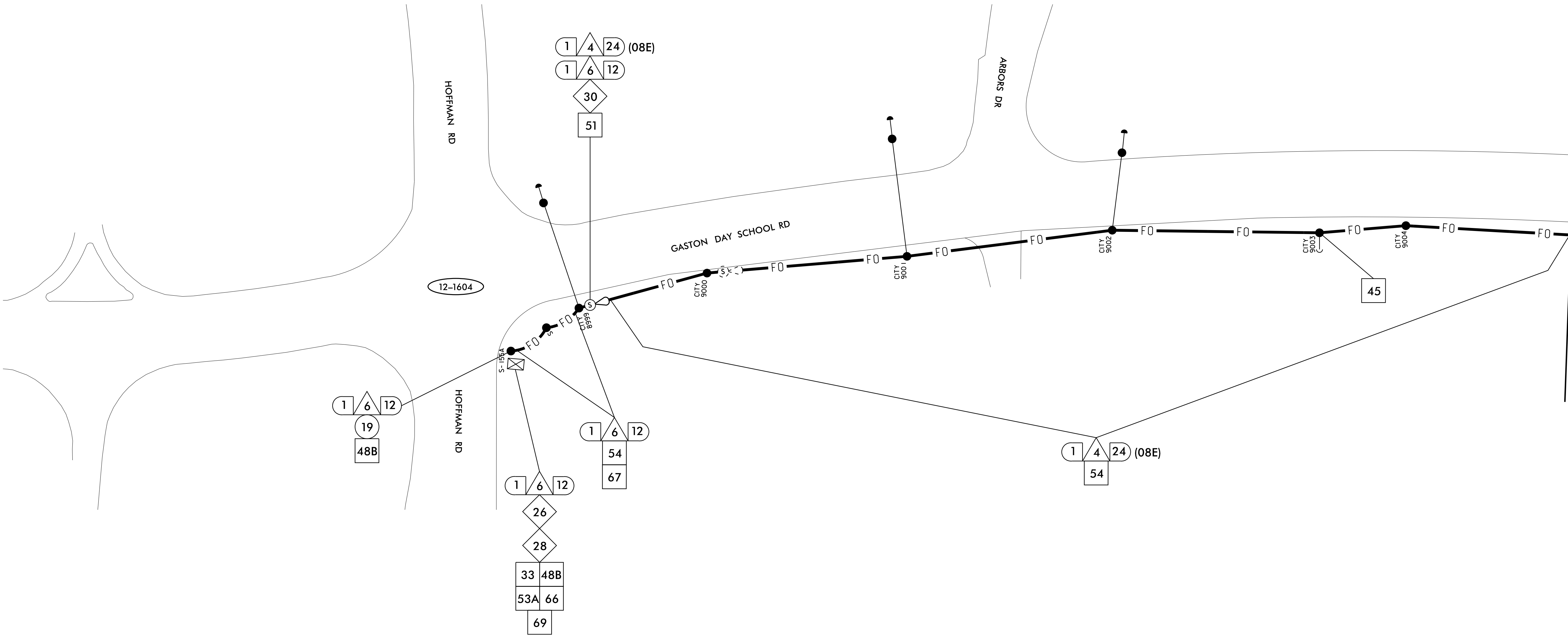
Seal of Kimley-Horn

NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

Seal of North Carolina Professional Engineer

Signature of I. Van OsdeLL
3/18/2022

CADD Filename:



MATCH LINE, SEE SHEET CR-156

<div>1</div> <div>INSTALL COAX CABLE</div>	<div>12</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</div>	<div>23</div> <div>INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>34</div> <div>INSTALL CABINET FOUNDATION</div>	<div>44</div> <div>INSTALL AERIAL GUY ASSEMBLY</div>	<div>53A</div> <div>STORE 20 FEET OF COMMUNICATIONS CABLE</div>	<div>64</div> <div>BOND MESSENGER CABLE TO POLE GROUND</div>
<div>2</div> <div>INSTALL ETHERNET CABLE</div>	<div>13</div> <div>INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</div>	<div>24</div> <div>INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</div>	<div>35</div> <div>INSTALL CCTV CAMERA POLE MOUNTED CABINET</div>	<div>45</div> <div>INSTALL STANDARD GUY ASSEMBLY</div>	<div>53B</div> <div>STORE 50 FEET OF EACH COMMUNICATIONS CABLE</div>	<div>65</div> <div>INSTALL HEAT SHRINK TUBING RETROFIT KIT</div>
<div>3</div> <div>EXISTING ETHERNET (OR COAX) CABLE</div>	<div>14</div> <div>INSTALL POLYETHYLENE CONDUIT</div>	<div>25</div> <div>INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</div>	<div>36</div> <div>INSTALL CCTV CAMERA ASSEMBLY</div>	<div>46</div> <div>INSTALL SIDEWALK GUY ASSEMBLY</div>	<div>54</div> <div>LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE</div>	<div>66</div> <div>INSTALL MOLDBABLE DUCT SEAL</div>
<div>4</div> <div>INSTALL SMFO CABLE</div>	<div>15</div> <div>DIRECTIONAL DRILL CONDUIT</div>	<div>26</div> <div>INSTALL NEW ETHERNET EDGE SWITCH</div>	<div>37</div> <div>INSTALL CCTV CAMERA WOOD POLE</div>	<div>47</div> <div>INSTALL MESSENGER CABLE</div>	<div>55</div> <div>LASH CABLE(S) TO EXISTING MESSENGER /SIGNAL CABLE</div>	<div>67</div> <div>SLACK SPAN</div>
<div>5</div> <div>EXISTING SMFO CABLE</div>	<div>16</div> <div>BORE AND JACK CONDUIT</div>	<div>27</div> <div>INSTALL NEW FIBER OPTIC TRANSCEIVER</div>	<div>38</div> <div>INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</div>	<div>48A</div> <div>REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE</div>	<div>56</div> <div>LASH CABLE(S) TO NEW MESSENGER CABLE</div>	<div>68</div> <div>INSTALL CABINET BASE ADAPTER</div>
<div>6</div> <div>INSTALL FIBER OPTIC DROP CABLE</div>	<div>17</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT</div>	<div>28</div> <div>INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET</div>	<div>39</div> <div>INSTALL JUNCTION BOX</div>	<div>48B</div> <div>REMOVE EXISTING COMMUNICATIONS CABLE</div>	<div>57</div> <div>MODIFY EXISTING ELECTRICAL SERVICE</div>	<div>69</div> <div>REMOVE EXISTING SIGNAL CABINET AND CONTROLLER</div>
<div>7</div> <div>INSTALL TRACER WIRE</div>	<div>18</div> <div>INSTALL CABLE(S) IN NEW CONDUIT</div>	<div>29</div> <div>INSTALL UNDERGROUND SPLICE ENCLOSURE</div>	<div>40A</div> <div>INSTALL OVERSIZED JUNCTION BOX</div>	<div>49</div> <div>BACK PULL EXISTING COMMUNICATIONS CABLE</div>	<div>58</div> <div>INSTALL NEW ELECTRICAL SERVICE</div>	<div>70</div> <div>REMOVE EXISTING CCTV CAMERA ASSEMBLY</div>
<div>8</div> <div>TRENCH</div>	<div>19</div> <div>INSTALL CABLE(S) IN EXISTING RISER</div>	<div>30</div> <div>INSTALL AERIAL SPLICE ENCLOSURE</div>	<div>40B</div> <div>INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")</div>	<div>50</div> <div>INSTALL CELL MODEM AND ANTENNA</div>	<div>59</div> <div>INSTALL NEW EQUIPMENT CABINET DISCONNECT</div>	<div>71</div> <div>REMOVE EXISTING CCTV CAMERA CABINET</div>
<div>9</div> <div>INSTALL PVC CONDUIT</div>	<div>20</div> <div>INSTALL CABLE(S) IN NEW RISER</div>	<div>31</div> <div>MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE</div>	<div>41</div> <div>REMOVE EXISTING JUNCTION BOX</div>	<div>51</div> <div>INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</div>	<div>60</div> <div>BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>72</div> <div>REMOVE CABINET FOUNDATION</div>
<div>10</div> <div>INSTALL RIGID, GALVANIZED STEEL CONDUIT</div>	<div>21</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS</div>	<div>32</div> <div>INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER</div>	<div>42</div> <div>INSTALL WOOD POLE</div>	<div>52A</div> <div>INSTALL DELINEATOR MARKER</div>	<div>61</div> <div>DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>73</div> <div>MODIFY EXISTING CABINET FOUNDATION</div>
<div>11</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</div>	<div>22</div> <div>INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>33</div> <div>INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER</div>	<div>43</div> <div>REMOVE EXISTING WOOD POLE</div>	<div>52B</div> <div>INSTALL JUNCTION BOX MARKER</div>	<div>62</div> <div>BOND RISER AND MESSENGER CABLE TO POLE GROUND</div>	<div>74</div> <div>REMOVE EXISTING WIRELESS SYSTEM</div>
					<div>63</div> <div>BOND RISER TO POLE GROUND</div>	<div>75</div> <div>INSTALL WIRELESS ETHERNET SYSTEM</div>

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

Plans Prepared For:
CITY OF GASTONIA
Department of Transportation
750 N. Greenfield Place, Gaston, NC 27529

Seal of the City of Gastonia

Professional Engineer
Seal 028952
M. Z. Van Osdel

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS INIT. DATE

DocuSigned by: *Imger Van Osdel* 3/18/2022

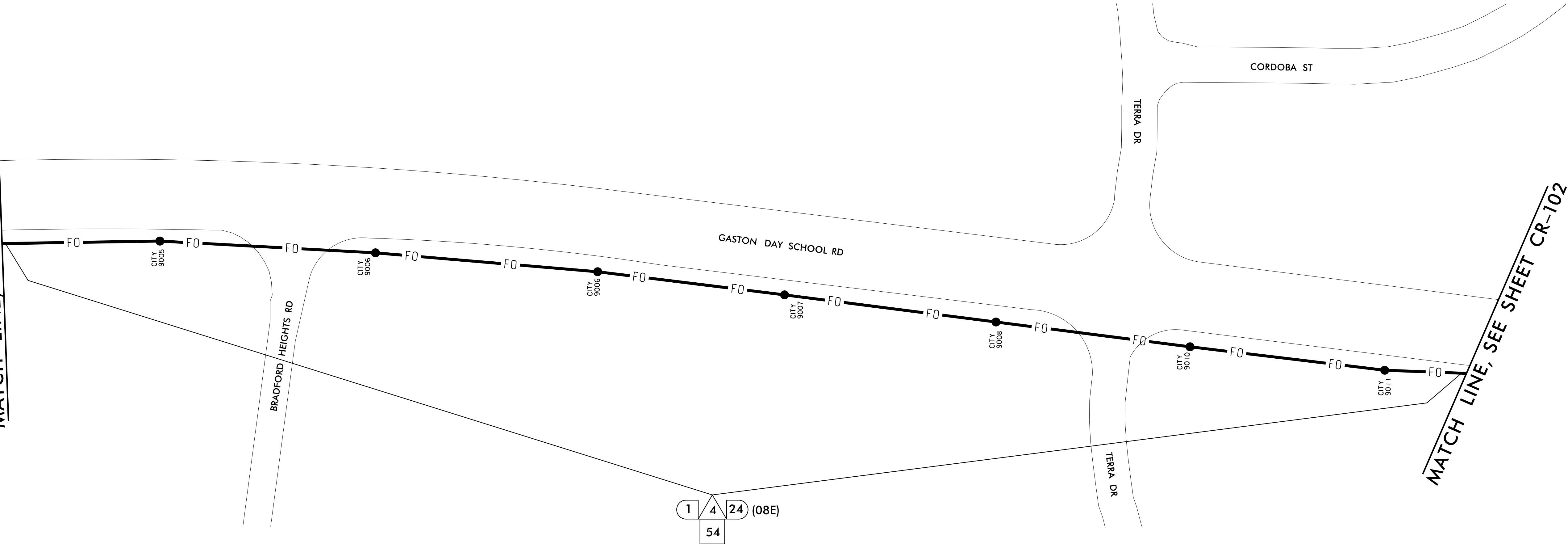
CADD Filename:

Seal of the State of North Carolina

Professional Engineer
Seal 028952
M. Z. Van Osdel

MATCH LINE, SEE SHEET CR-155

MATCH LINE, SEE SHEET CR-102



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT
4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT
5	EXISTING SMFO CABLE	16	BORE AND JACK CONDUIT
6	INSTALL FIBER OPTIC DROP CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT
7	INSTALL TRACER WIRE	18	INSTALL CABLE(S) IN NEW CONDUIT
8	TRENCH	19	INSTALL CABLE(S) IN EXISTING RISER
9	INSTALL PVC CONDUIT	20	INSTALL CABLE(S) IN NEW RISER
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)

23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
26	INSTALL NEW ETHERNET EDGE SWITCH
27	INSTALL NEW FIBER OPTIC TRANSCEIVER
28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET
29	INSTALL UNDERGROUND SPLICE ENCLOSURE
30	INSTALL AERIAL SPLICE ENCLOSURE
31	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE
32	INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER
33	INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER

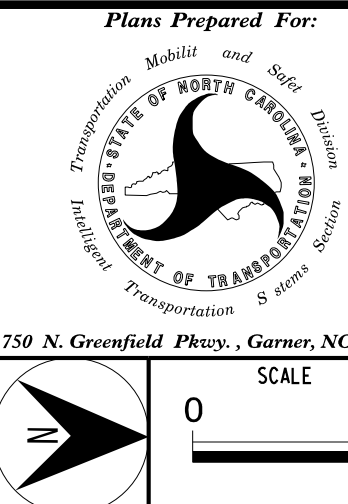
34	INSTALL CABINET FOUNDATION
35	INSTALL CCTV CAMERA POLE MOUNTED CABINET
36	INSTALL CCTV CAMERA ASSEMBLY
37	INSTALL CCTV CAMERA WOOD POLE
38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
39	INSTALL JUNCTION BOX
40A	INSTALL OVERSIZED JUNCTION BOX
40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")
41	REMOVE EXISTING JUNCTION BOX
42	INSTALL WOOD POLE
43	REMOVE EXISTING WOOD POLE

44	INSTALL AERIAL GUY ASSEMBLY
45	INSTALL STANDARD GUY ASSEMBLY
46	INSTALL SIDEWALK GUY ASSEMBLY
47	INSTALL MESSENGER CABLE
48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE
48B	REMOVE EXISTING COMMUNICATIONS CABLE
49	BACK PULL EXISTING COMMUNICATIONS CABLE
50	INSTALL CELL MODEM AND ANTENNA
51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
52A	INSTALL DELINEATOR MARKER
52B	INSTALL JUNCTION BOX MARKER

53A	STORE 20 FEET OF COMMUNICATIONS CABLE
53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE
54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE
55	LASH CABLE(S) TO EXISTING MESSENGER /SIGNAL CABLE
56	LASH CABLE(S) TO NEW MESSENGER CABLE
57	MODIFY EXISTING ELECTRICAL SERVICE
58	INSTALL NEW ELECTRICAL SERVICE
59	INSTALL NEW EQUIPMENT CABINET DISCONNECT
60	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
61	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
62	BOND RISER AND MESSENGER CABLE TO POLE GROUND
63	BOND RISER TO POLE GROUND

64	BOND MESSENGER CABLE TO POLE GROUND
65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
66	INSTALL MOLDABLE DUCT SEAL
67	SLACK SPAN
68	INSTALL CABINET BASE ADAPTER
69	REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
70	REMOVE EXISTING CCTV CAMERA ASSEMBLY
71	REMOVE EXISTING CCTV CAMERA CABINET
72	REMOVE CABINET FOUNDATION
73	MODIFY EXISTING CABINET FOUNDATION
74	REMOVE EXISTING WIRELESS SYSTEM
75	INSTALL WIRELESS ETHERNET SYSTEM

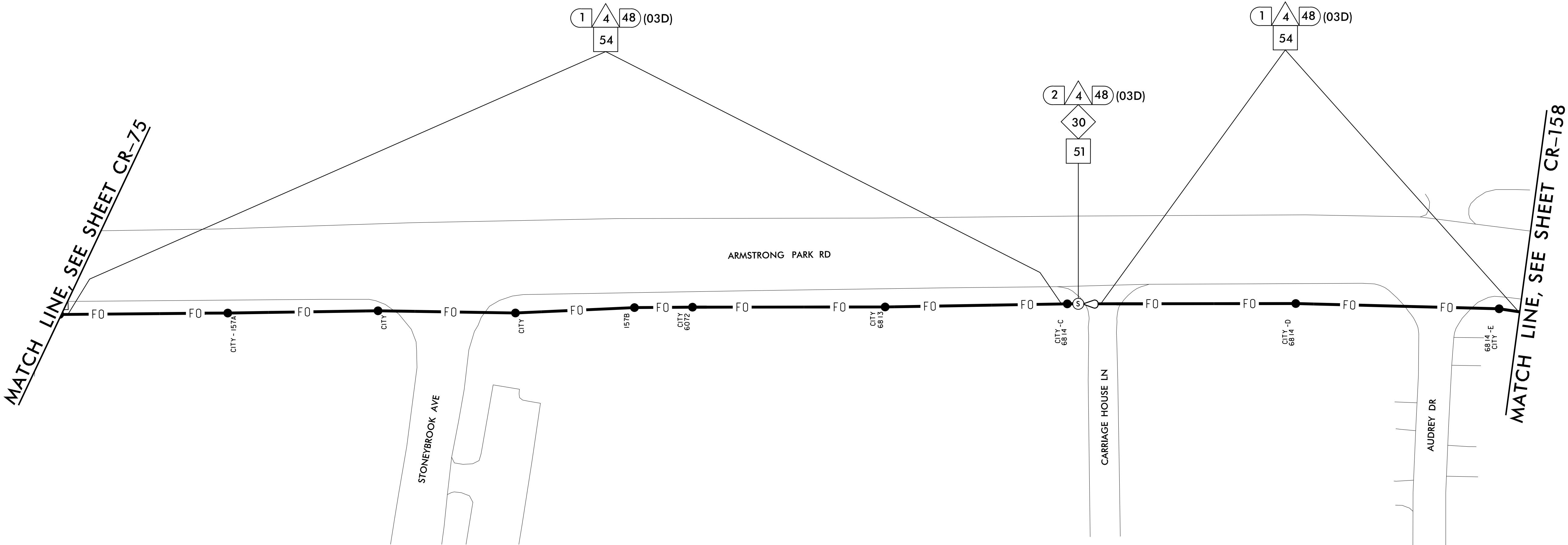
- NOTES:
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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN	
DIVISION 12 GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT. DATE

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Fax: (919) 677-2050

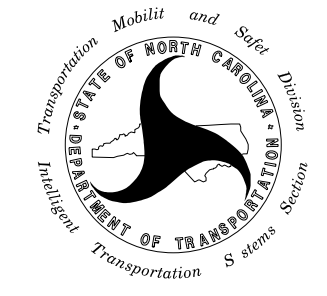
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 028952
MICHAEL Z. VAN OSDELL
Signed by: *Ivan Van OsdeLL* 3/18/2022
DATE
CADD Filename:



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

0 SCALE 50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

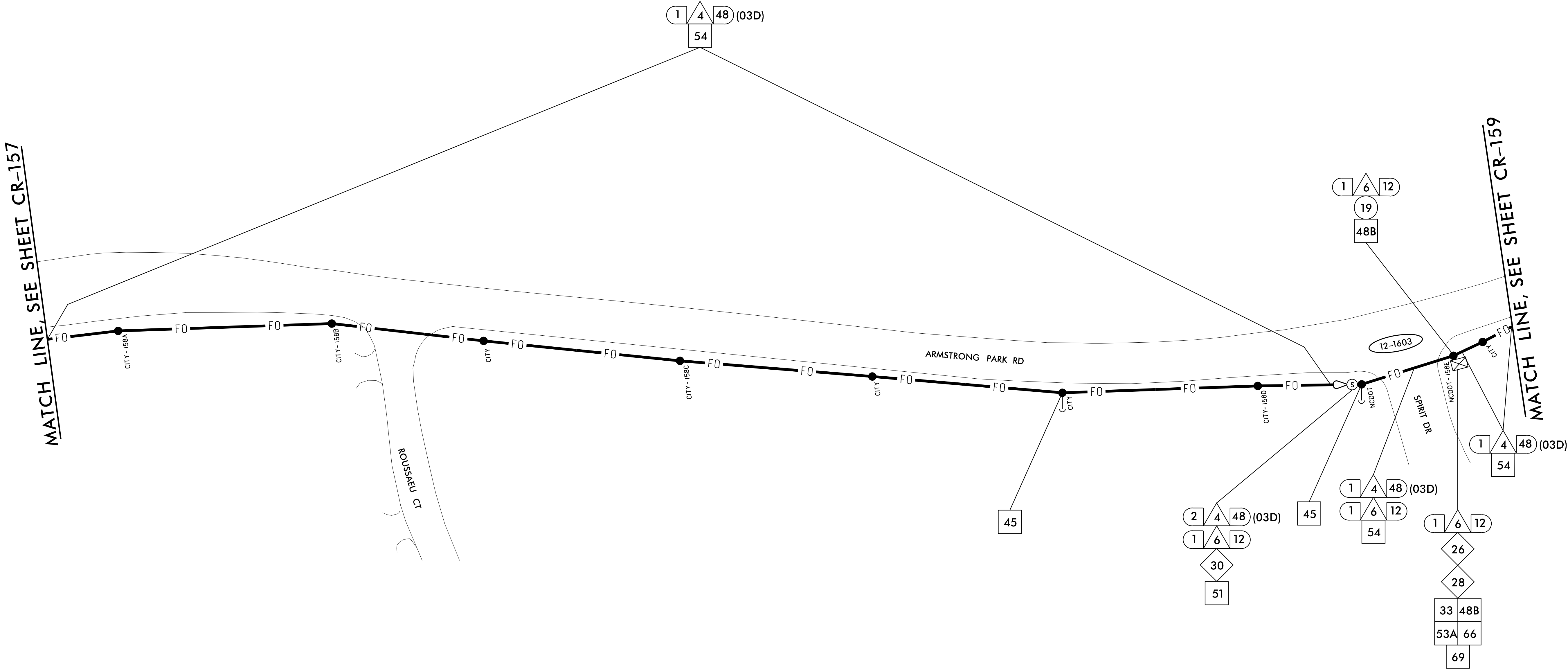
DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
REVISIONS	INIT.	DATE	

Seal of the State of North Carolina Professional Engineer

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Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050

DocuSigned by:
Inger Van Osdel
3/18/2022

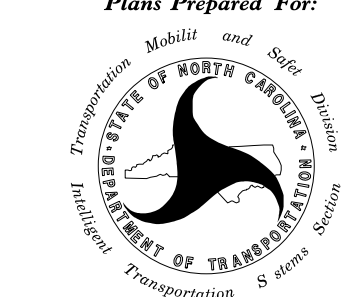
CADD Filename:



<div>1</div> <div>INSTALL COAX CABLE</div>	<div>12</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</div>	<div>23</div> <div>INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>34</div> <div>INSTALL CABINET FOUNDATION</div>	<div>44</div> <div>INSTALL AERIAL GUY ASSEMBLY</div>	<div>53A</div> <div>STORE 20 FEET OF COMMUNICATIONS CABLE</div>	<div>64</div> <div>BOND MESSENGER CABLE TO POLE GROUND</div>
<div>2</div> <div>INSTALL ETHERNET CABLE</div>	<div>13</div> <div>INSTALL OUTER-DUCT POLYETHYLENE CONDUIT</div>	<div>24</div> <div>INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET</div>	<div>35</div> <div>INSTALL CCTV CAMERA POLE MOUNTED CABINET</div>	<div>45</div> <div>INSTALL STANDARD GUY ASSEMBLY</div>	<div>53B</div> <div>STORE 50 FEET OF EACH COMMUNICATIONS CABLE</div>	<div>65</div> <div>INSTALL HEAT SHRINK TUBING RETROFIT KIT</div>
<div>3</div> <div>EXISTING ETHERNET (OR COAX) CABLE</div>	<div>14</div> <div>INSTALL POLYETHYLENE CONDUIT</div>	<div>25</div> <div>INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET</div>	<div>36</div> <div>INSTALL CCTV CAMERA ASSEMBLY</div>	<div>46</div> <div>INSTALL SIDEWALK GUY ASSEMBLY</div>	<div>54</div> <div>LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE</div>	<div>66</div> <div>INSTALL MOLDABLE DUCT SEAL</div>
<div>4</div> <div>INSTALL SMFO CABLE</div>	<div>15</div> <div>DIRECTIONAL DRILL CONDUIT</div>	<div>26</div> <div>INSTALL NEW ETHERNET EDGE SWITCH</div>	<div>37</div> <div>INSTALL CCTV CAMERA WOOD POLE</div>	<div>47</div> <div>INSTALL MESSENGER CABLE</div>	<div>55</div> <div>LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE</div>	<div>67</div> <div>SLACK SPAN</div>
<div>5</div> <div>EXISTING SMFO CABLE</div>	<div>16</div> <div>BORE AND JACK CONDUIT</div>	<div>27</div> <div>INSTALL NEW FIBER OPTIC TRANSCEIVER</div>	<div>38</div> <div>INSTALL CCTV CAMERA METAL POLE AND FOUNDATION</div>	<div>48A</div> <div>REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE</div>	<div>56</div> <div>LASH CABLE(S) TO NEW MESSENGER CABLE</div>	<div>68</div> <div>INSTALL CABINET BASE ADAPTER</div>
<div>6</div> <div>INSTALL FIBER OPTIC DROP CABLE</div>	<div>17</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT</div>	<div>28</div> <div>INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET</div>	<div>39</div> <div>INSTALL JUNCTION BOX</div>	<div>48B</div> <div>REMOVE EXISTING COMMUNICATIONS CABLE</div>	<div>57</div> <div>MODIFY EXISTING ELECTRICAL SERVICE</div>	<div>69</div> <div>REMOVE EXISTING SIGNAL CABINET AND CONTROLLER</div>
<div>7</div> <div>INSTALL TRACER WIRE</div>	<div>18</div> <div>INSTALL CABLE(S) IN NEW CONDUIT</div>	<div>29</div> <div>INSTALL UNDERGROUND SPLICE ENCLOSURE</div>	<div>40A</div> <div>INSTALL OVERSIZED JUNCTION BOX</div>	<div>49</div> <div>BACK PULL EXISTING COMMUNICATIONS CABLE</div>	<div>58</div> <div>INSTALL NEW ELECTRICAL SERVICE</div>	<div>70</div> <div>REMOVE EXISTING CCTV CAMERA CABINET</div>
<div>8</div> <div>TRENCH</div>	<div>19</div> <div>INSTALL CABLE(S) IN EXISTING RISER</div>	<div>30</div> <div>INSTALL AERIAL SPLICE ENCLOSURE</div>	<div>40B</div> <div>INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")</div>	<div>50</div> <div>INSTALL CELL MODEM AND ANTENNA</div>	<div>59</div> <div>INSTALL NEW EQUIPMENT CABINET DISCONNECT</div>	<div>71</div> <div>REMOVE EXISTING CCTV CAMERA CABINET</div>
<div>9</div> <div>INSTALL PVC CONDUIT</div>	<div>20</div> <div>INSTALL CABLE(S) IN NEW RISER</div>	<div>31</div> <div>MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE</div>	<div>41</div> <div>REMOVE EXISTING JUNCTION BOX</div>	<div>51</div> <div>INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</div>	<div>60</div> <div>BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>72</div> <div>REMOVE CABINET FOUNDATION</div>
<div>10</div> <div>INSTALL RIGID, GALVANIZED STEEL CONDUIT</div>	<div>21</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS</div>	<div>32</div> <div>INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER</div>	<div>42</div> <div>INSTALL WOOD POLE</div>	<div>52A</div> <div>INSTALL DELINEATOR MARKER</div>	<div>61</div> <div>DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>73</div> <div>MODIFY EXISTING CABINET FOUNDATION</div>
<div>11</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</div>	<div>22</div> <div>INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>33</div> <div>INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER</div>	<div>43</div> <div>REMOVE EXISTING WOOD POLE</div>	<div>52B</div> <div>INSTALL JUNCTION BOX MARKER</div>	<div>62</div> <div>BOND RISER AND MESSENGER CABLE TO POLE GROUND</div>	<div>74</div> <div>REMOVE EXISTING WIRELESS SYSTEM</div>
					<div>63</div> <div>BOND RISER TO POLE GROUND</div>	<div>75</div> <div>INSTALL WIRELESS ETHERNET SYSTEM</div>

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

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SCALE

50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER


REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.

DATE

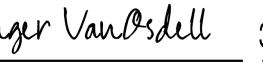
SEAL



Kimley-Horn

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Tel: (919) 677-2000
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DocuSigned by:



Iger Van OsdeLL

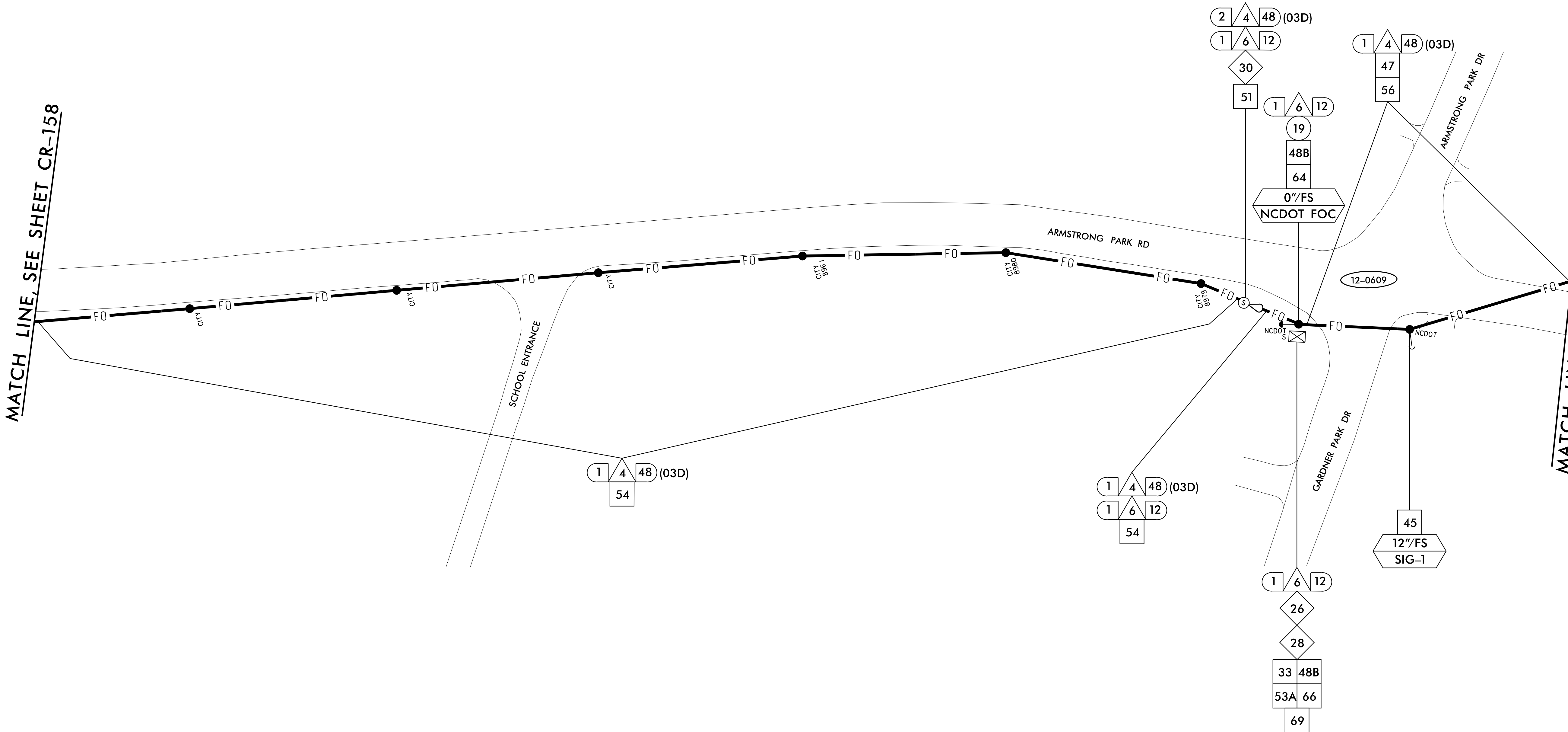
3/18/2022

DATE

CADD Filename:

MATCH LINE, SEE SHEET CR-158

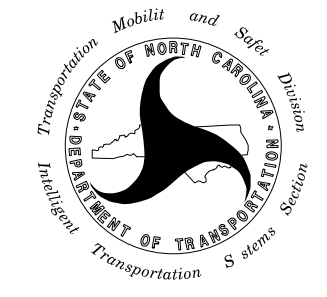
MATCH LINE, SEE SHEET CR-160



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Plans Prepared For:



750 N. Greenfield Place, Gastonia, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

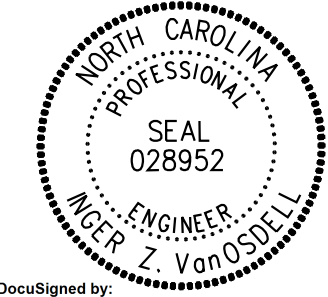
PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

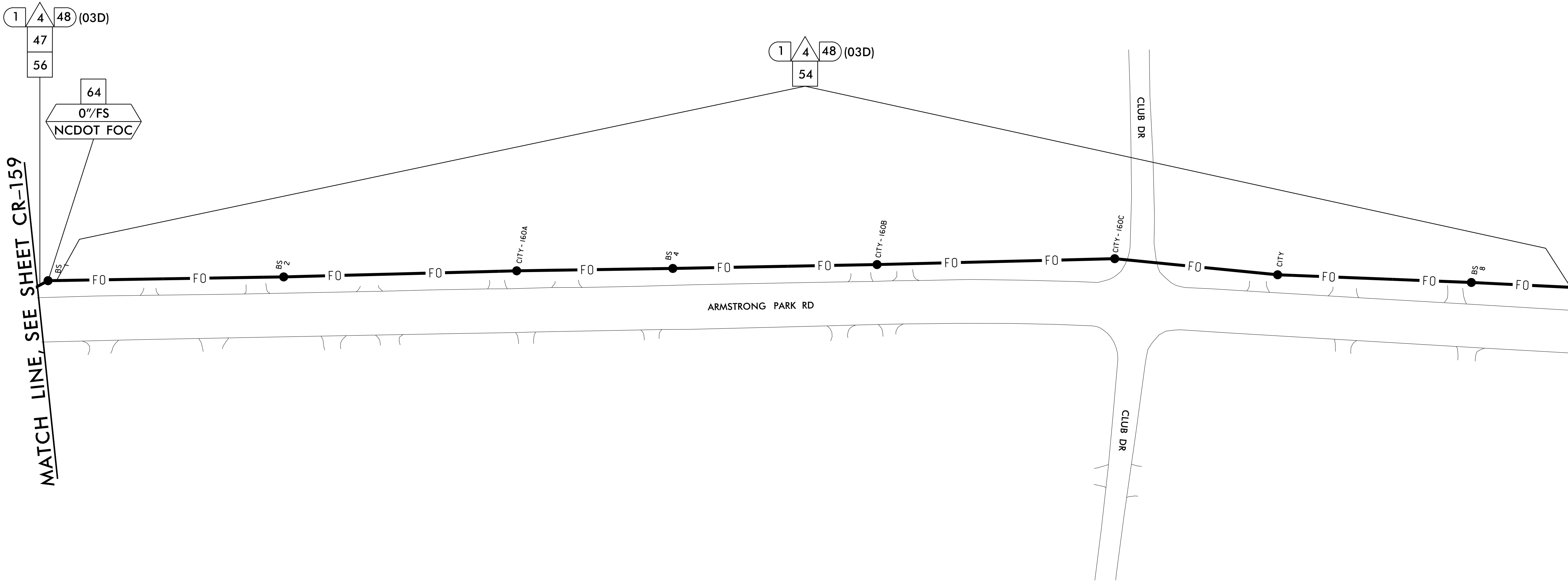
REVISIONS	INIT.	DATE

SCALE 0 50

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SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 028952
MICHAEL Z. VAN OSDELL

DocuSigned by:
Inger Van Osdel
3/18/2022
CADD Filename:



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Plans Prepared For:

750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

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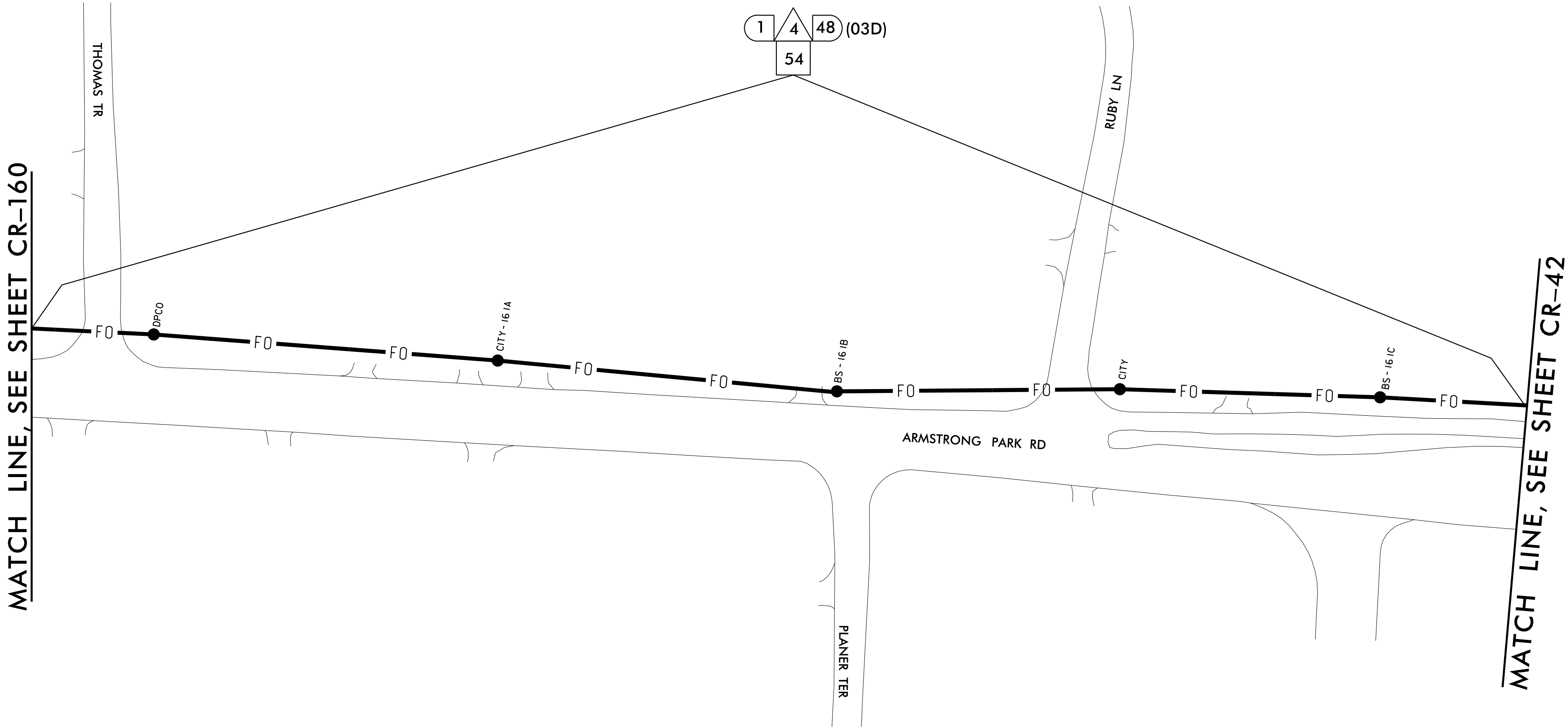
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DocuSigned by:
Inger Van Osdel
3/18/2022

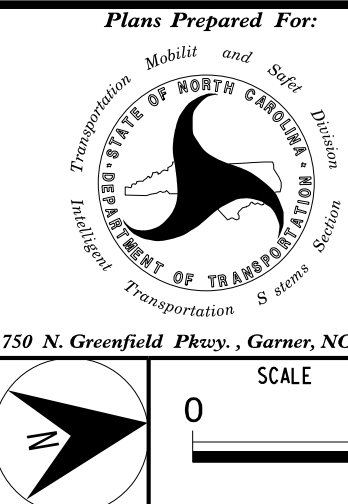
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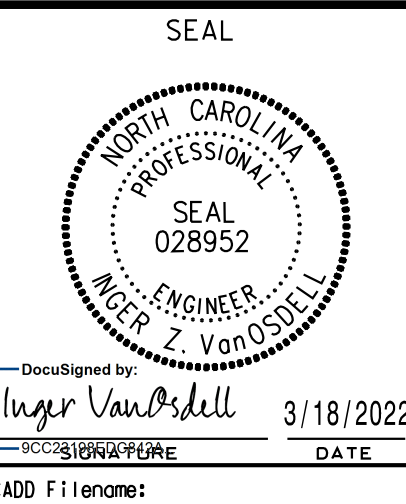
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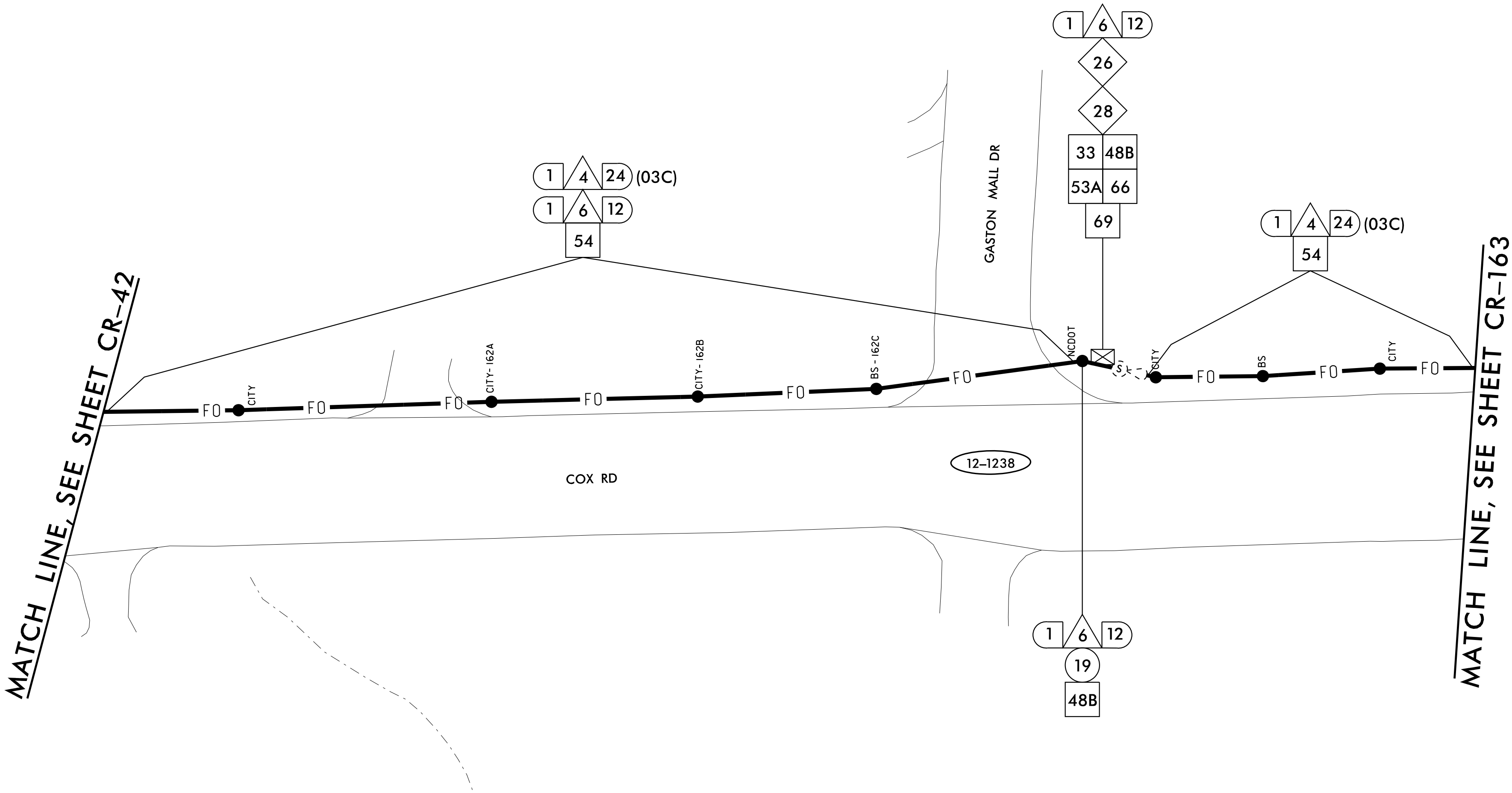
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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN			
DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
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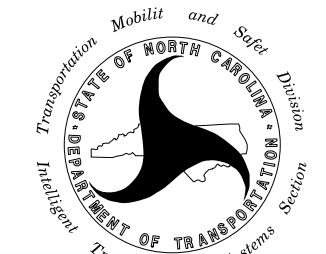




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2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	35	INSTALL CCTV CAMERA POLE MOUNTED CABINET	45	INSTALL STANDARD GUY ASSEMBLY	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE	65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	36	INSTALL CCTV CAMERA ASSEMBLY	46	INSTALL SIDEWALK GUY ASSEMBLY	54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE	66	INSTALL MOLDBLE DUCT SEAL
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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

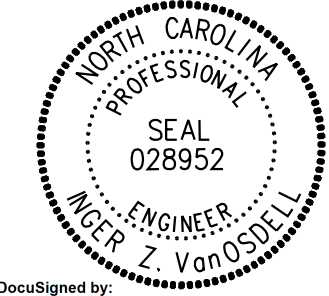
PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

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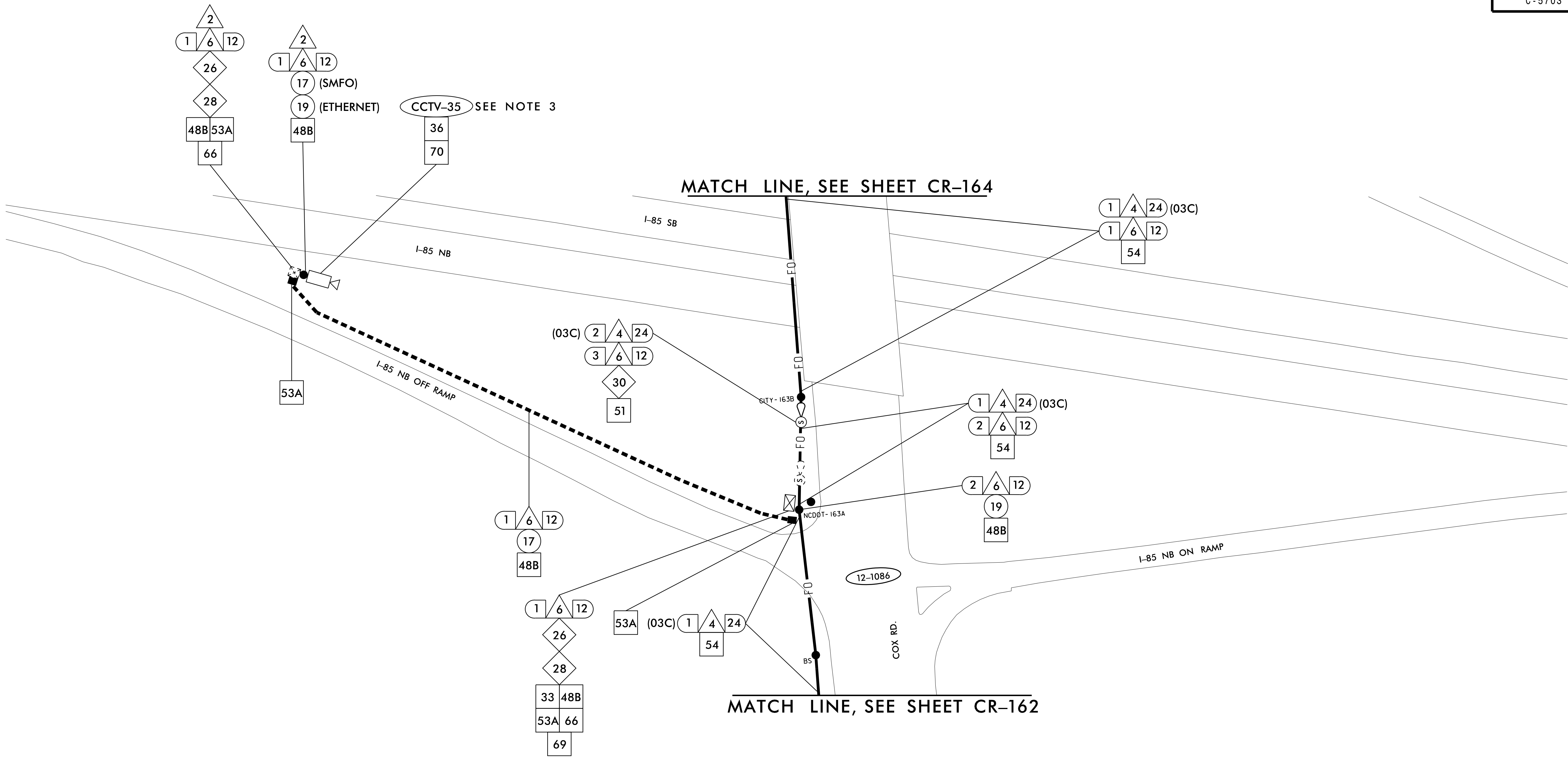
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Kimley-Horn
Professional Engineer
Seal 028952
Mike Z. Von Osdel

DocuSigned by:
Igor Van Osdel
3/18/2022

CADD Filename:




3/17/2022
K:\ARL_TPTD_LTS\01036569 Gastonia SignalSystem\6 Tasks\Plans\Cable Routing\SH163.CR.dgn

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NOTES:
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3. INSTALL NEW CCTV CAMERA IN PLACE OF EXISTING CCTV CAMERA.

Plans Prepared For:



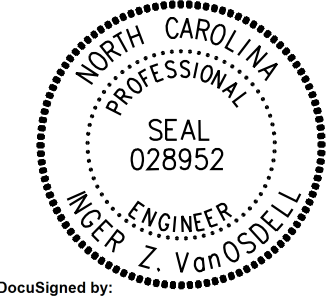
750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		

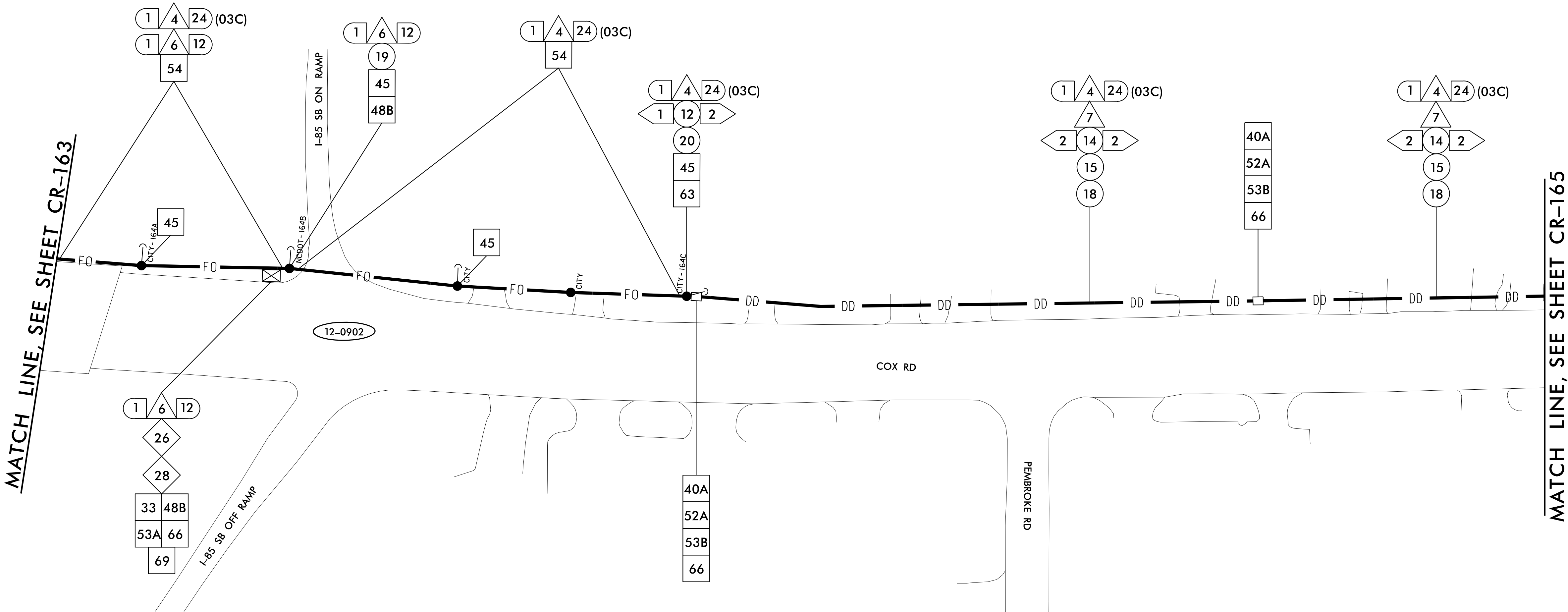
REVISIONS	INIT.	DATE

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DocuSigned by: Iker Van Osdel
3/18/2022

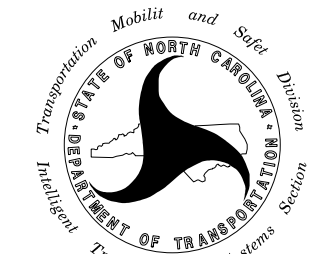
CADD Filename:



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<div>8</div> <div>TRENCH</div>	<div>19</div> <div>INSTALL CABLE(S) IN EXISTING RISER</div>	<div>30</div> <div>INSTALL AERIAL SPLICE ENCLOSURE</div>	<div>40B</div> <div>INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")</div>	<div>50</div> <div>INSTALL CELL MODEM AND ANTENNA</div>	<div>59</div> <div>INSTALL NEW EQUIPMENT CABINET DISCONNECT</div>	<div>71</div> <div>REMOVE EXISTING CCTV CAMERA CABINET</div>
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<div>11</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</div>	<div>22</div> <div>INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT SUB-OUTS WHEN AVAILABLE)</div>	<div>33</div> <div>INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER</div>	<div>43</div> <div>REMOVE EXISTING WOOD POLE</div>	<div>52B</div> <div>INSTALL JUNCTION BOX MARKER</div>	<div>62</div> <div>BOND RISER AND MESSENGER CABLE TO POLE GROUND</div>	<div>74</div> <div>REMOVE EXISTING WIRELESS SYSTEM</div>
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Plans Prepared For:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Division 12
750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12GASTON COUNTY

PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLERREVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

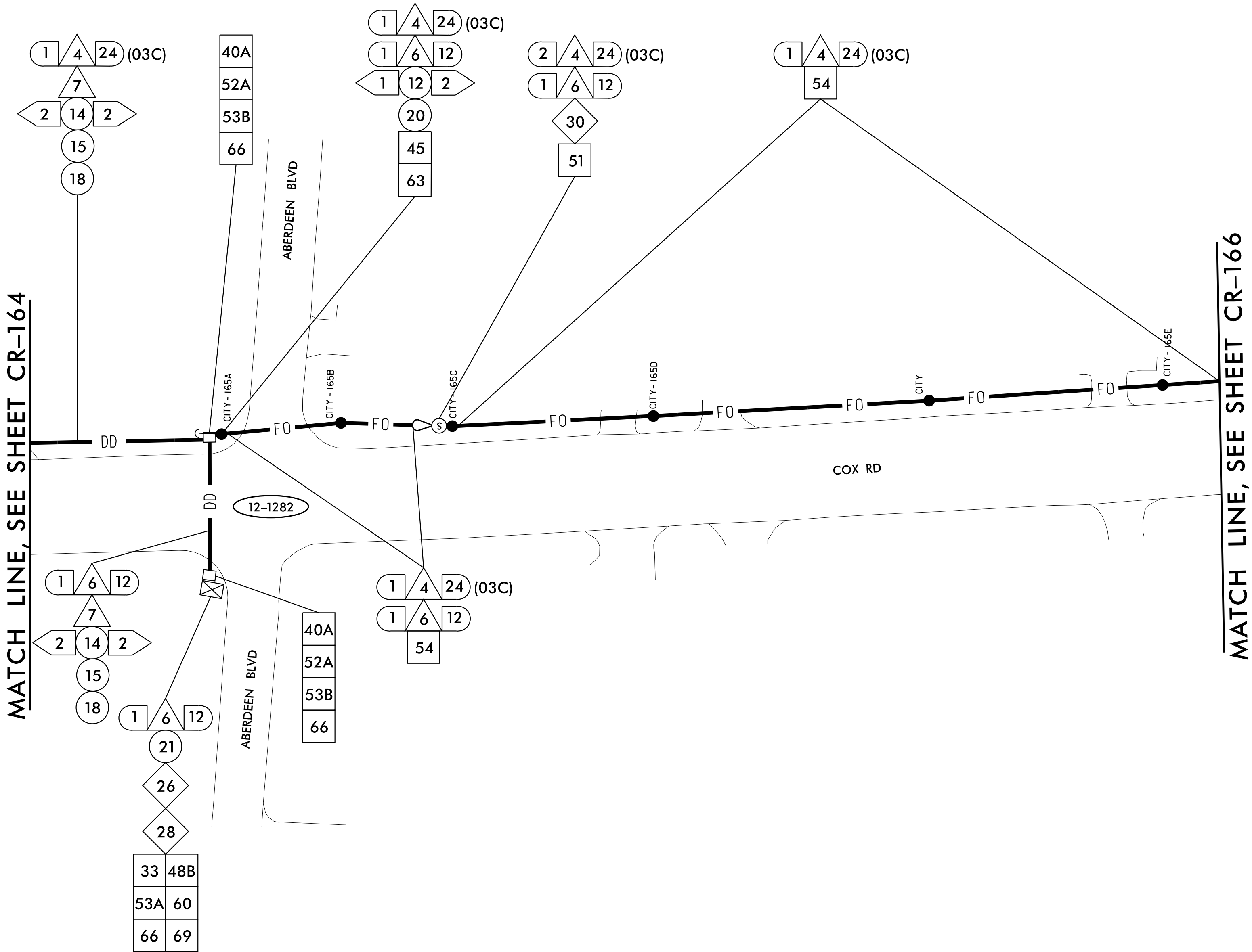
Seal of Kimley-Horn

NC License #F-0102
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Tel: (919) 677-2000
Fax: (919) 677-2050

Seal of North Carolina Professional Engineer

Kimley-Horn
3/18/2022

3/17/2022
K:\ARL_TPTD_ITS\01036569 Gastonia SignalSystem\6 Tasks\Plans\Cable Routing\SH164_CR.dgn



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<div>9</div> <div>INSTALL PVC CONDUIT</div>	<div>20</div> <div>INSTALL CABLE(S) IN NEW RISER</div>	<div>31</div> <div>MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE</div>	<div>41</div> <div>REMOVE EXISTING JUNCTION BOX</div>	<div>51</div> <div>INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</div>	<div>60</div> <div>BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>72</div> <div>REMOVE CABINET FOUNDATION</div>
<div>10</div> <div>INSTALL RIGID, GALVANIZED STEEL CONDUIT</div>	<div>21</div> <div>INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS</div>	<div>32</div> <div>INSTALL POLE MOUNTED 336S SIGNAL CABINET AND CONTROLLER</div>	<div>42</div> <div>INSTALL WOOD POLE</div>	<div>52A</div> <div>INSTALL DELINEATOR MARKER</div>	<div>61</div> <div>DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>73</div> <div>MODIFY EXISTING CABINET FOUNDATION</div>
<div>11</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD</div>	<div>22</div> <div>INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>33</div> <div>INSTALL BASE MOUNTED 332 SIGNAL CABINET WITH EXTENDER AND CONTROLLER</div>	<div>43</div> <div>REMOVE EXISTING WOOD POLE</div>	<div>52B</div> <div>INSTALL JUNCTION BOX MARKER</div>	<div>62</div> <div>BOND RISER AND MESSENGER CABLE TO POLE GROUND</div>	<div>74</div> <div>REMOVE EXISTING WIRELESS SYSTEM</div>
					<div>63</div> <div>BOND RISER TO POLE GROUND</div>	<div>75</div> <div>INSTALL WIRELESS ETHERNET SYSTEM</div>

NOTES:
1. ATTACH NEW COMMUNICATIONS CABLE TO FRONT SIDE OF POLE AT 40 INCHES BELOW POWER PRESENCE UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 6 FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED.

Plans Prepared For:

750 N. Greenfield Place, Gastonia, NC 27529

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SCALE

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.

DATE

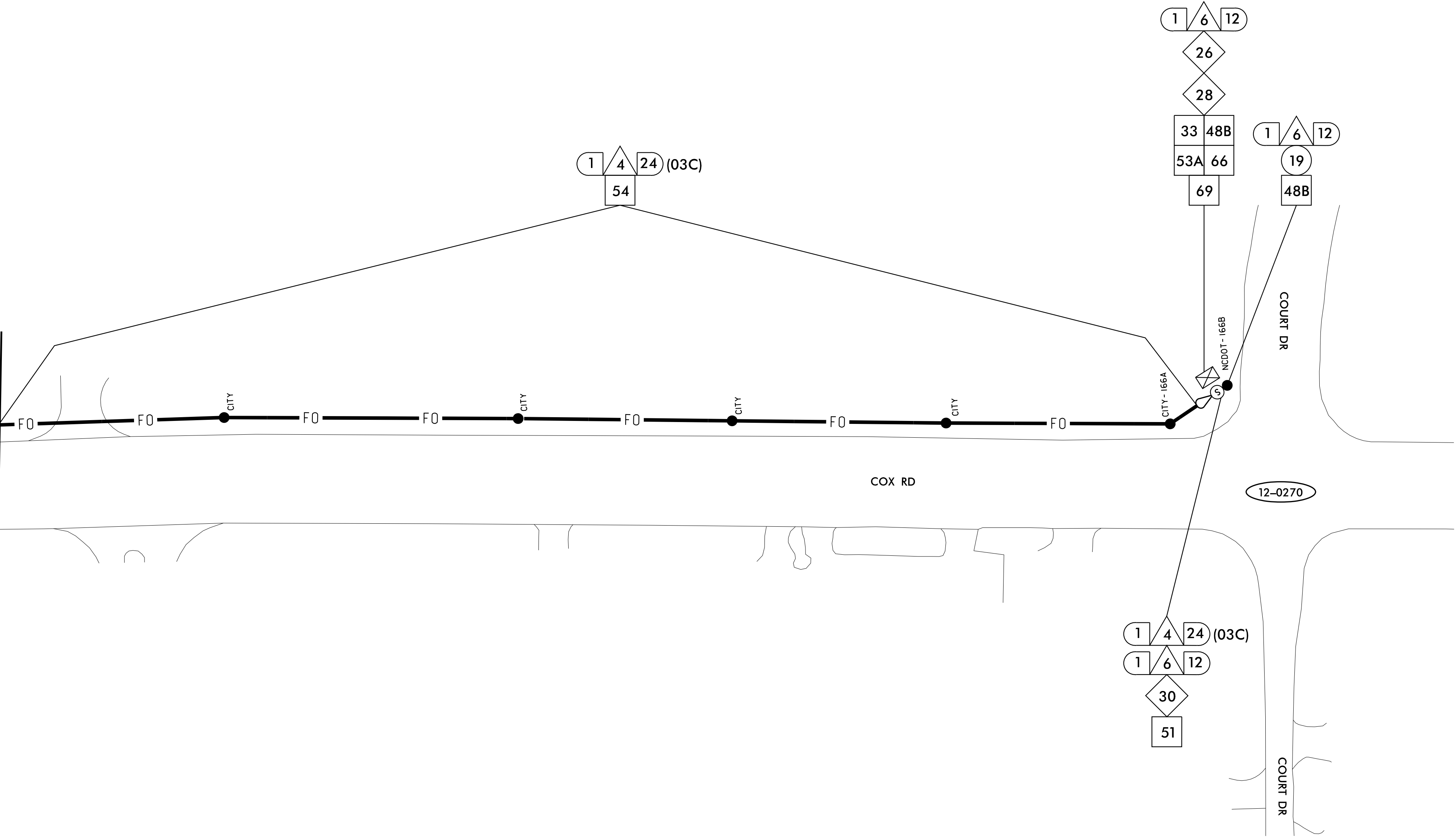
Seal of I. Van Osdel, Professional Engineer, No. 028952

3/18/2022

DATE

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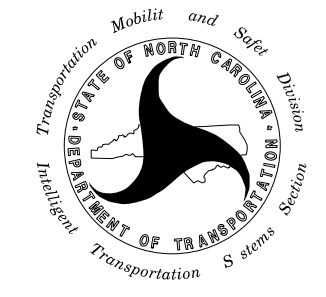
MATCH LINE, SEE SHEET CR-165



1	INSTALL COAX CABLE	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	34	INSTALL CABINET FOUNDATION	44	INSTALL AERIAL GUY ASSEMBLY	53A	STORE 20 FEET OF COMMUNICATIONS CABLE	64	BOND MESSENGER CABLE TO POLE GROUND
2	INSTALL ETHERNET CABLE	13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	35	INSTALL CCTV CAMERA POLE MOUNTED CABINET	45	INSTALL STANDARD GUY ASSEMBLY	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE	65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
3	EXISTING ETHERNET (OR COAX) CABLE	14	INSTALL POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	36	INSTALL CCTV CAMERA ASSEMBLY	46	INSTALL SIDEWALK GUY ASSEMBLY	54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE	66	INSTALL MOLDABLE DUCT SEAL
4	INSTALL SMFO CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL NEW ETHERNET EDGE SWITCH	37	INSTALL CCTV CAMERA WOOD POLE	47	INSTALL MESSENGER CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER / SIGNAL CABLE	67	SLACK SPAN
5	EXISTING SMFO CABLE	16	BORE AND JACK CONDUIT	27	INSTALL NEW FIBER OPTIC TRANSCEIVER	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE	56	LASH CABLE(S) TO NEW MESSENGER CABLE	68	INSTALL CABINET BASE ADAPTER
6	INSTALL FIBER OPTIC DROP CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET	39	INSTALL JUNCTION BOX	48B	REMOVE EXISTING COMMUNICATIONS CABLE	57	MODIFY EXISTING ELECTRICAL SERVICE	69	REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
7	INSTALL TRACER WIRE	18	INSTALL CABLE(S) IN NEW CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	49	BACK PULL EXISTING COMMUNICATIONS CABLE	58	INSTALL NEW ELECTRICAL SERVICE	70	REMOVE EXISTING CCTV CAMERA ASSEMBLY
8	TRENCH	19	INSTALL CABLE(S) IN EXISTING RISER	30	INSTALL AERIAL SPLICE ENCLOSURE	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	50	INSTALL CELL MODEM AND ANTENNA	59	INSTALL NEW EQUIPMENT CABINET DISCONNECT	71	REMOVE EXISTING CCTV CAMERA CABINET
9	INSTALL PVC CONDUIT	20	INSTALL CABLE(S) IN NEW RISER	31	MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE	41	REMOVE EXISTING JUNCTION BOX	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	60	BOND TRACER WIRE TO EQUIPMENT GROUND BUS	72	REMOVE CABINET FOUNDATION
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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

SCALE 0 50

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3/18/2022

CADD Filename: