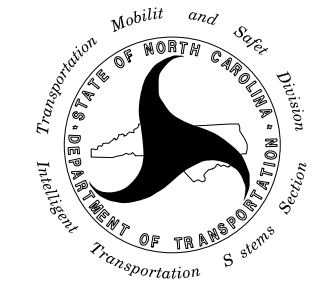


<div>1</div> <div>INSTALL COAX CABLE</div>	<div>12</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</div>	<div>23</div> <div>INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>34</div> <div>INSTALL CABINET FOUNDATION</div>	<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 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>
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Plans Prepared For:



750 N. Greenfield Place, Garner, NC 27529

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SCALE

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3/17/2022

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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

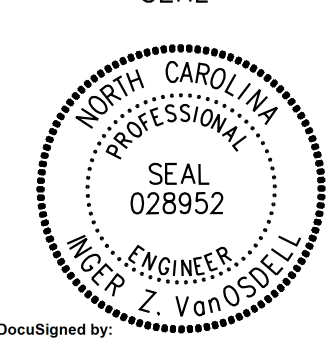
REVISIONS	INIT.	DATE

DocuSigned by:
Inger Van Osdel

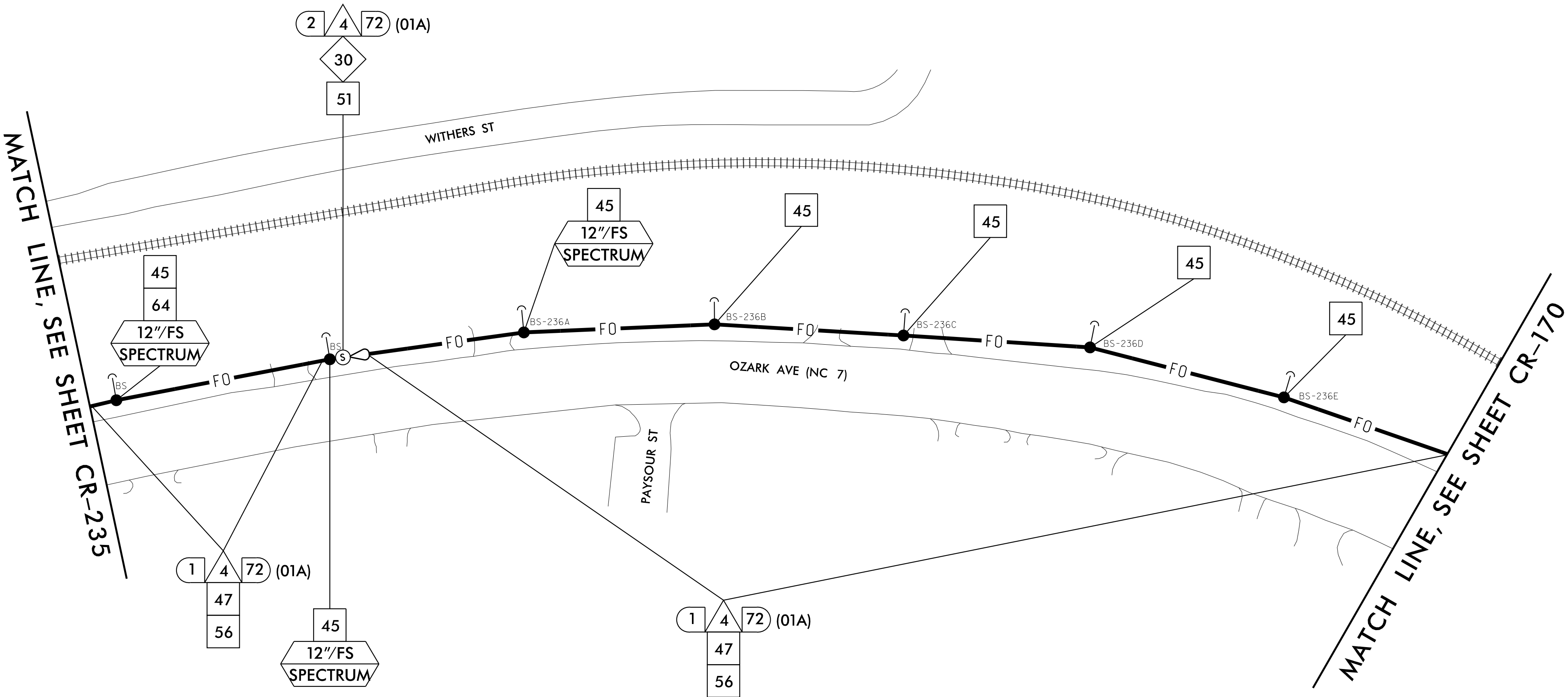
3/18/2022

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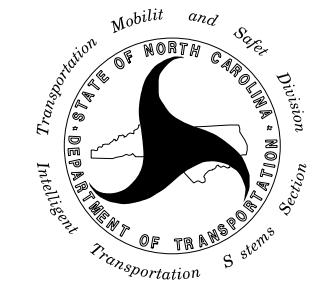
NC License #F-0102
421 Fayetteville St., Suite 600
Raleigh, NC 27601
Tel: (919) 677-2000
Fax: (919) 677-2050



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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 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

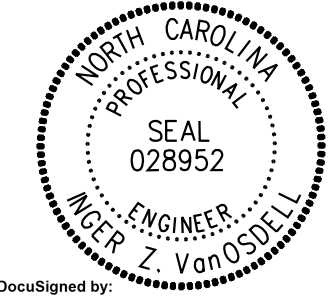
REVIEWED BY: I. VAN OSDELL

REVISIONS

INIT.

DATE

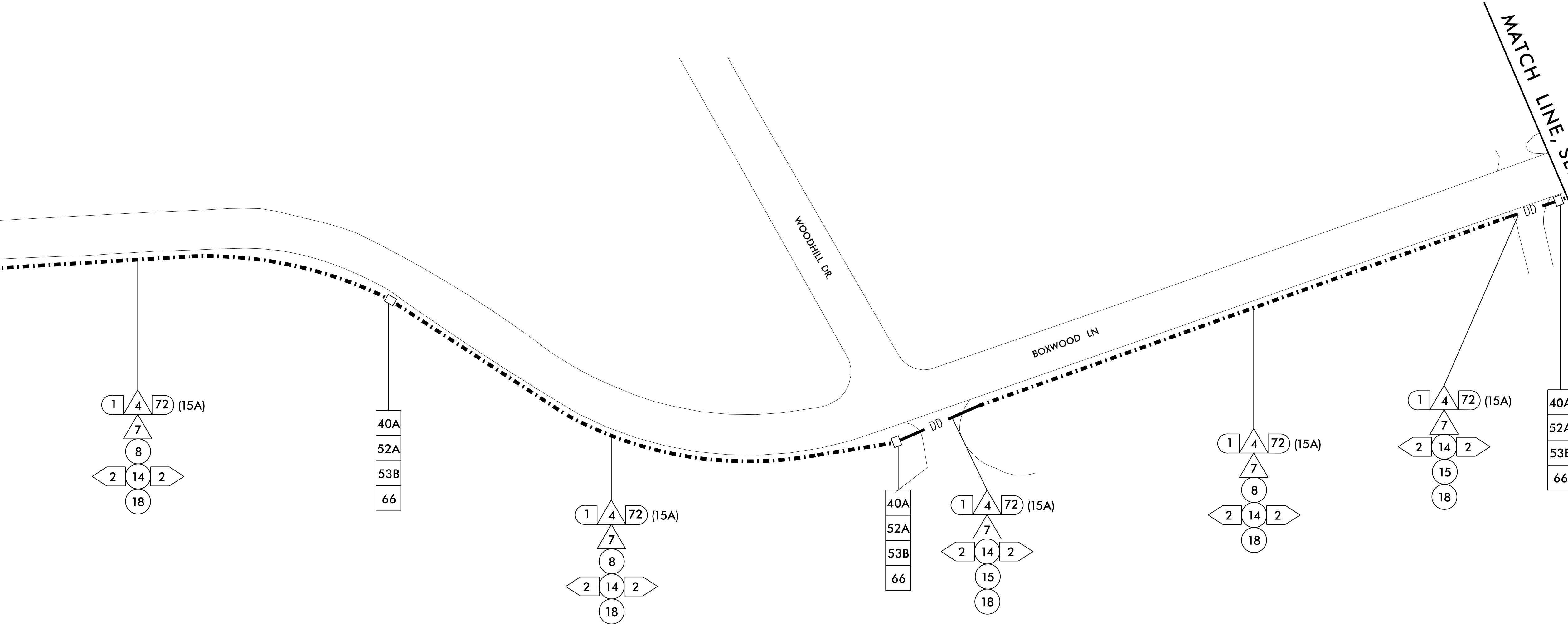
SEAL



Kimley-Horn
Professional Engineer
Seal 028952
North Carolina
3/18/2022

MATCH LINE, SEE SHEET CR-144


MATCH LINE, SEE SHEET CR-238



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

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

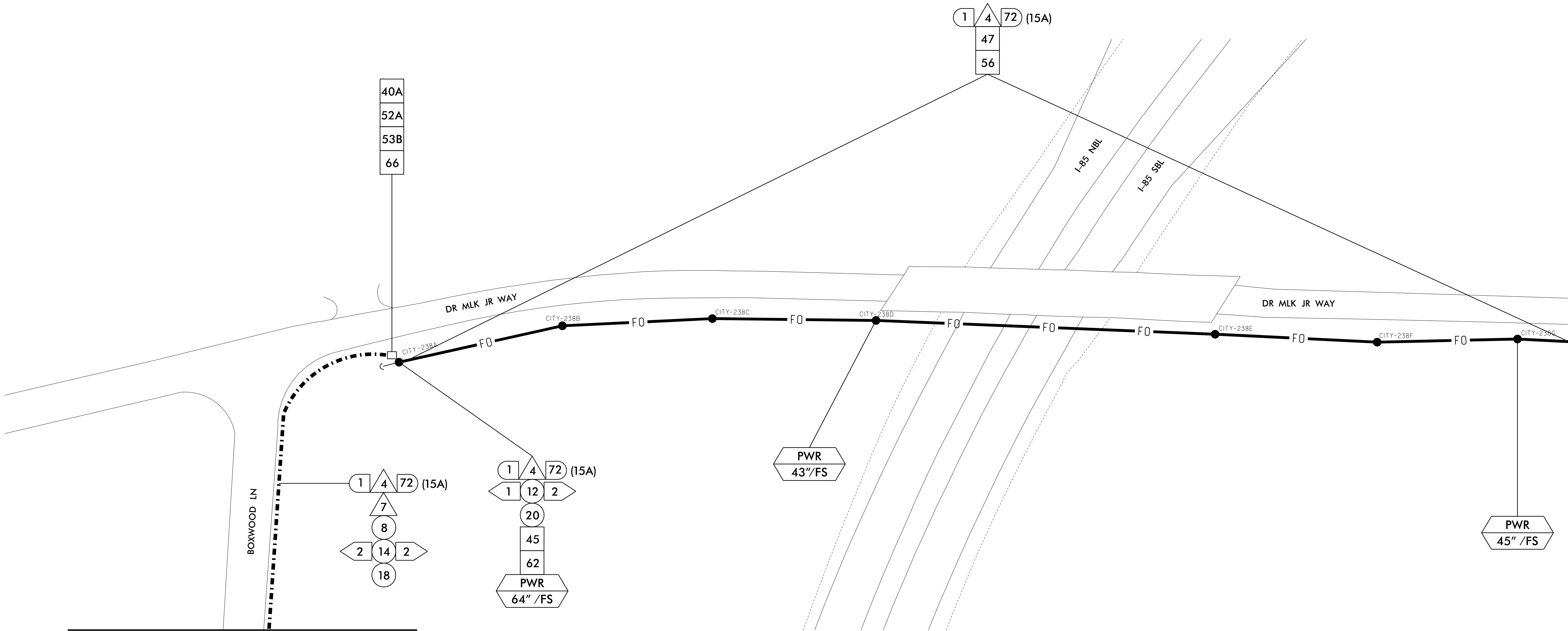
Seal of Kimley»Horn, Inc.

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

Seal of North Carolina Professional Engineer, Michael Z. VonOsdell

DocuSigned by: *Ingur VanOsdell* 3/18/2022

CADD Filename:



MATCH LINE, SEE SHEET CR-239

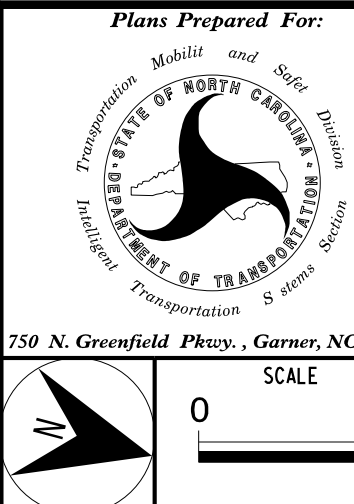
MATCH LINE, SEE SHEET CR-237

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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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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.

Kimley»Horn

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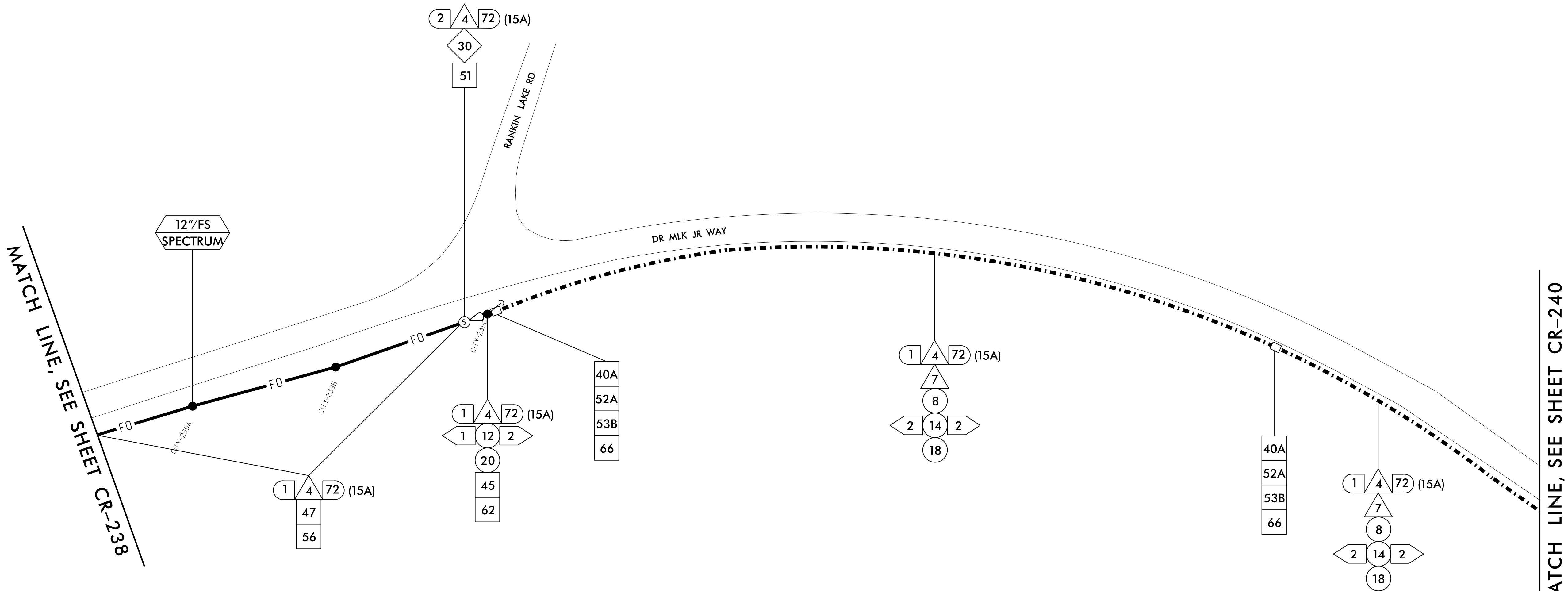


CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
COMMUNICATIONS CABLE AND
CONDUIT ROUTING PLAN

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



DocuSigned by:
I. Van Osdel
3/18/2022
CADD Filename:



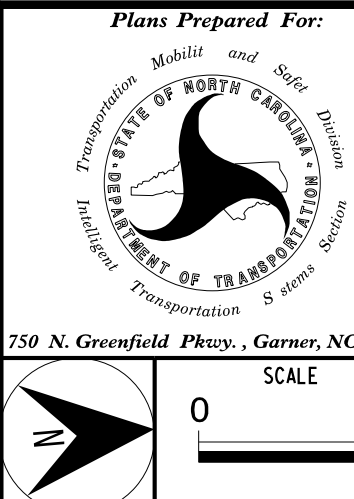
MATCH LINE, SEE SHEET CR-240

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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										63	BOND RISER TO POLE GROUND	75	INSTALL WIRELESS ETHERNET SYSTEM

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

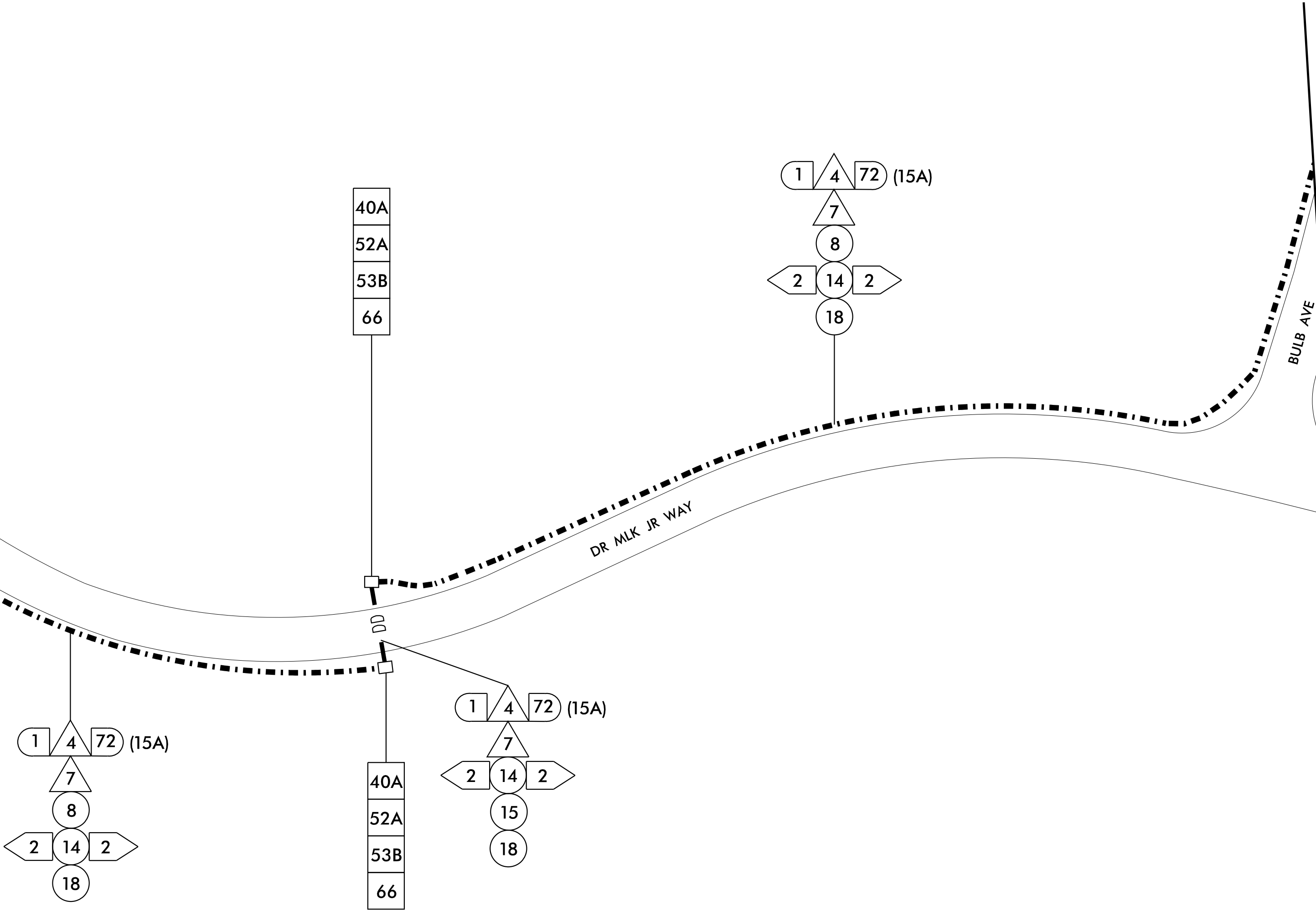
DIVISION 12	GASTON COUNTY
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT. DATE



DocuSigned by:
I. Van Osdel
3/18/2022
CADD Filename:

MATCH LINE, SEE SHEET CR-239

MATCH LINE, SEE SHEET CR-241



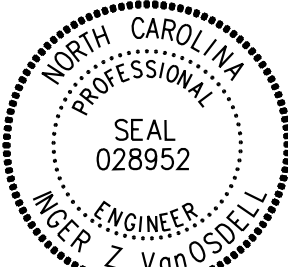
<div>1</div> <div>INSTALL COAX CABLE</div>	<div>12</div> <div>INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL</div>	<div>23</div> <div>INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)</div>	<div>34</div> <div>INSTALL CABINET FOUNDATION</div>	<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:
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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.

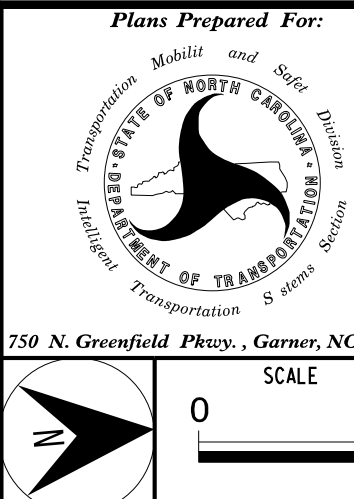
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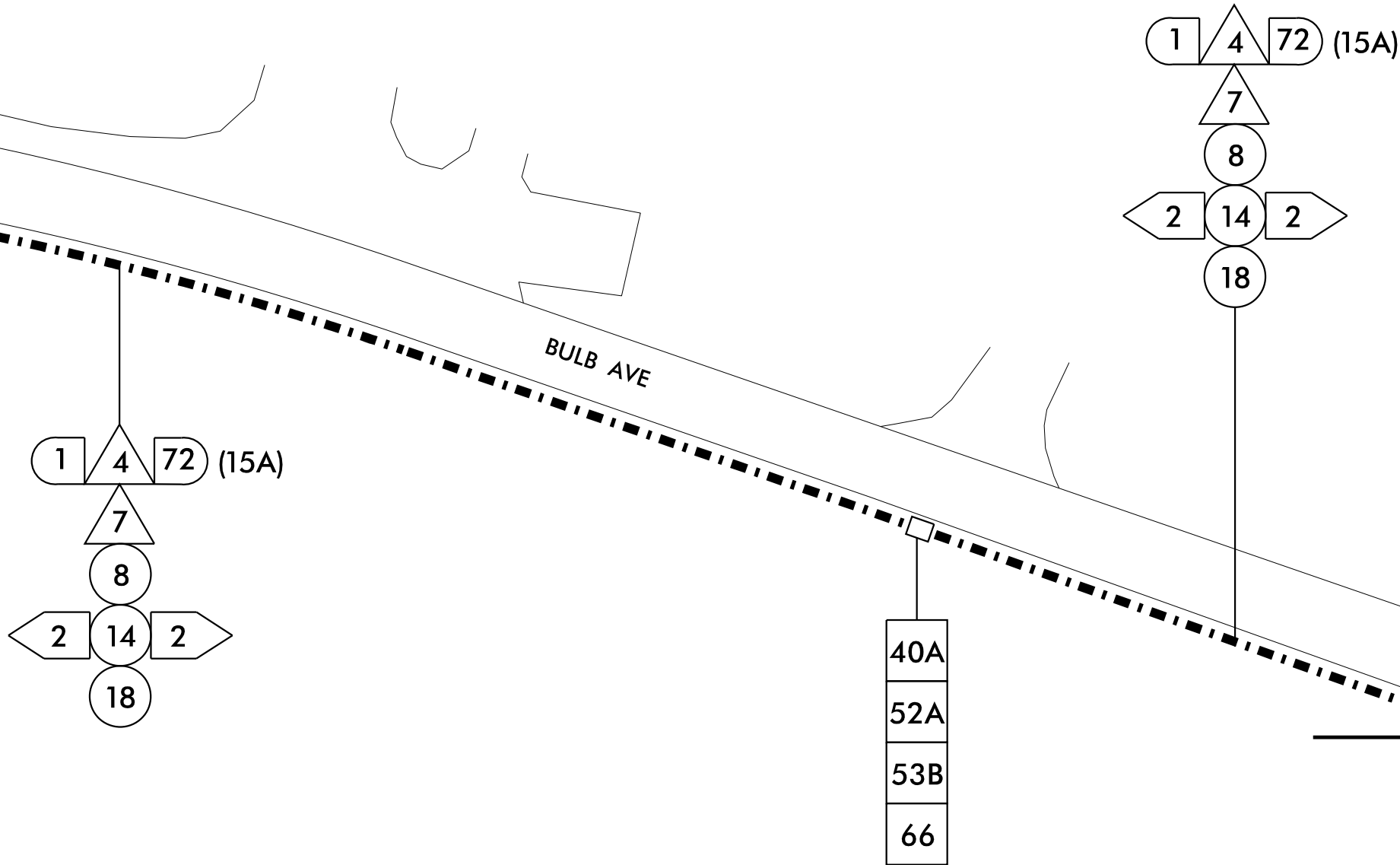
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I. Van Osdel
3/18/2022
CADD Filename:



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

MATCH LINE, SEE SHEET CR-130



MATCH LINE, SEE SHEET CR-240

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

0 SCALE 50

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

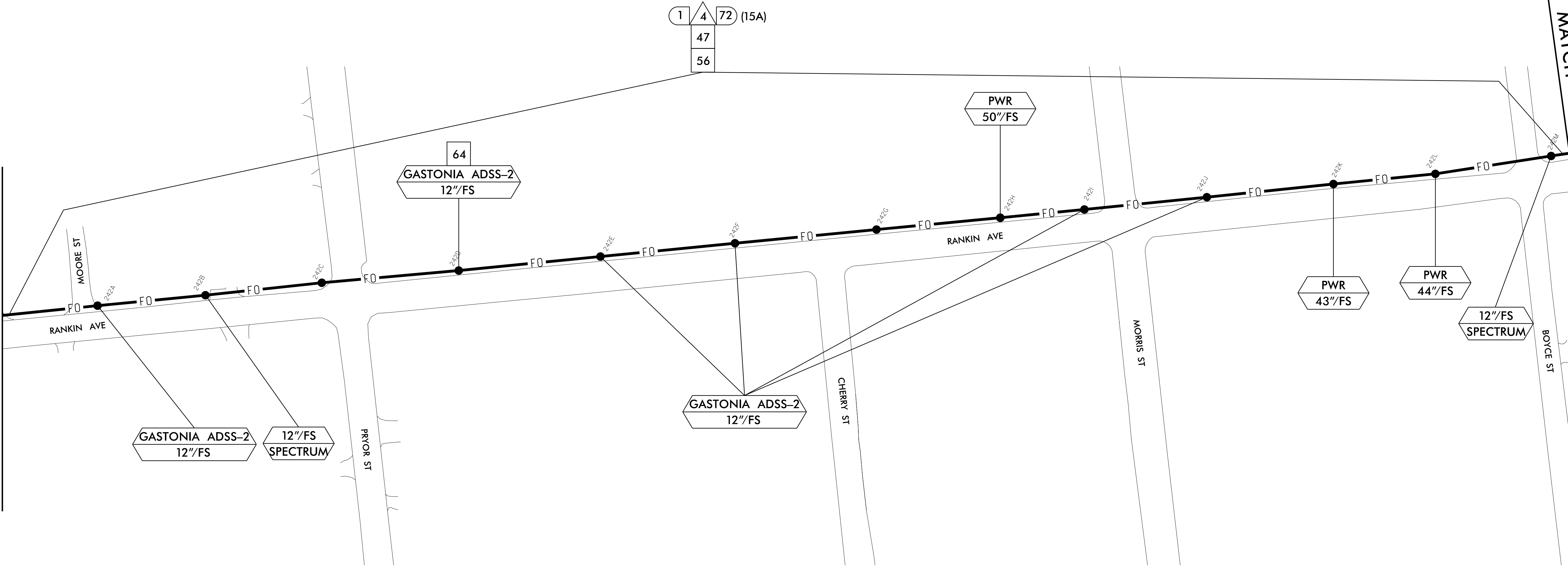
DIVISION 12		GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
REVISIONS	INIT.	DATE	

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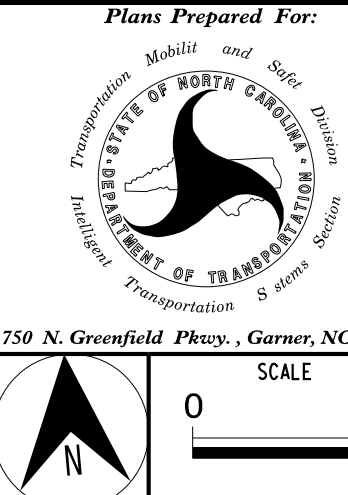
MATCH LINE, SEE SHEET CR-109

MATCH LINE, SEE SHEET CR-124



<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 TRACER WIRE TO EQUIPMENT GROUND BUS</div>	<div>72</div> <div>REMOVE CABINET FOUNDATION</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 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>
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NOTES:
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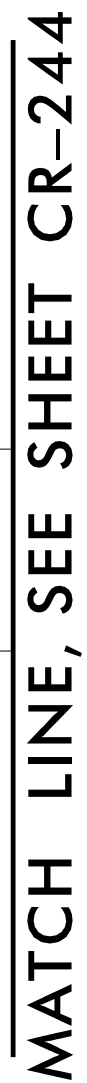
CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN	
DIVISION 12 GASTON COUNTY	
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT. DATE

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

DocuSigned by:
Inger Van Osdel
3/18/2022
CADD File name:



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<p>Plans Prepared For:</p>  <p>750 N. Greenfield Pkwy., Garner, NC 27529</p>	<p>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLAN</p>	<p>SEAL</p> 																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">DIVISION 12</td> <td colspan="2" style="text-align: center;">GASTON COUNTY</td> </tr> <tr> <td style="width: 33%;">PLAN DATE: DECEMBER 2021</td> <td style="width: 33%;">REVIEWED BY: K. SMITH</td> <td style="width: 33%;">PLAN DATE: DECEMBER 2021</td> <td style="width: 33%;">REVIEWED BY: K. SMITH</td> </tr> <tr> <td colspan="2">PREPARED BY: S. BUTLER</td> <td colspan="2">REVIEWED BY: I. VAN OSDELL</td> </tr> </table>			DIVISION 12		GASTON COUNTY		PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	PREPARED BY: S. BUTLER		REVIEWED BY: I. VAN OSDELL																						
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<p>CADD File name: _____</p>																																			

MATCH LINE, SEE SHEET CR-243

COURT DR

GASTON MEMORIAL DR
CITY-14
TO CITY-11
GASTON MEMORIAL DR

74
75

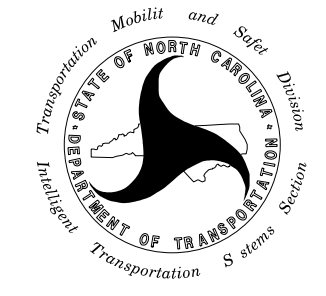
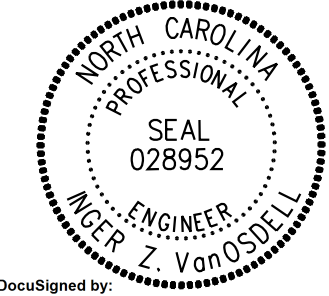
26
33 66
69

COURT DR

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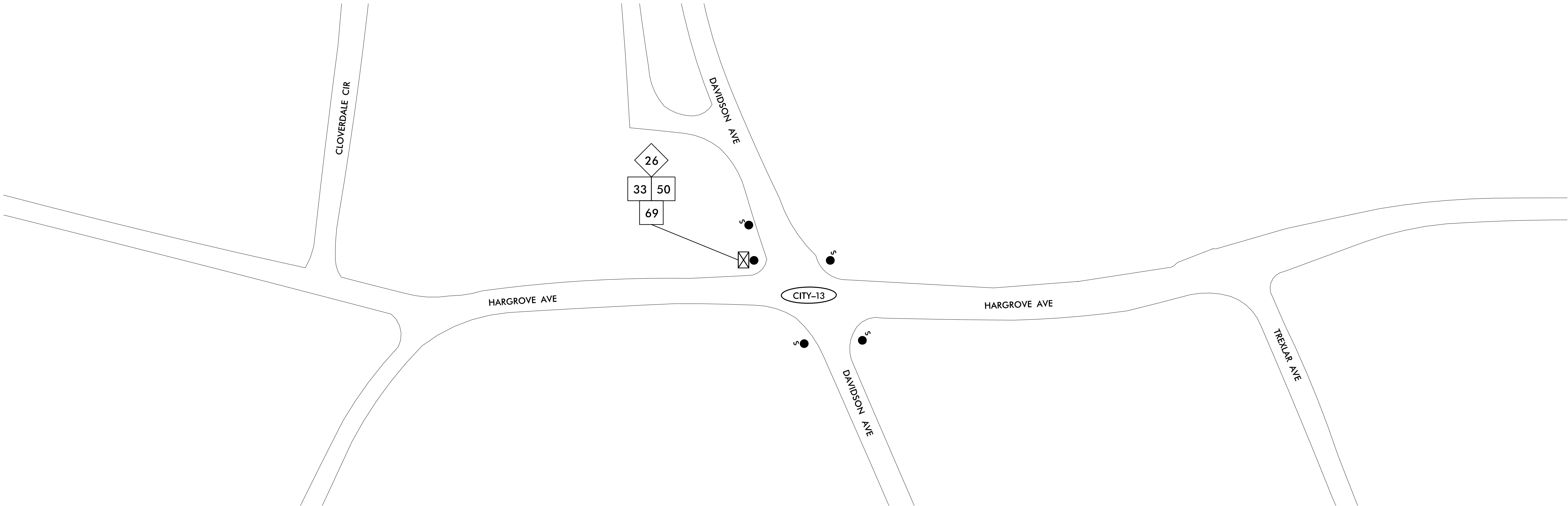
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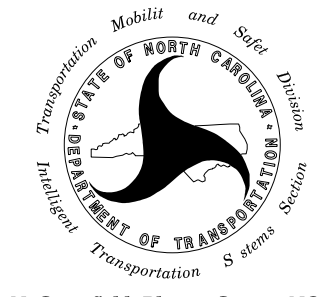
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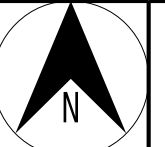
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Plans Prepared For:

750 N. Greenfield Place, Garner, NC 27529



0 50
SCALE

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

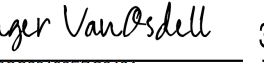
DIVISION 12GASTON COUNTY

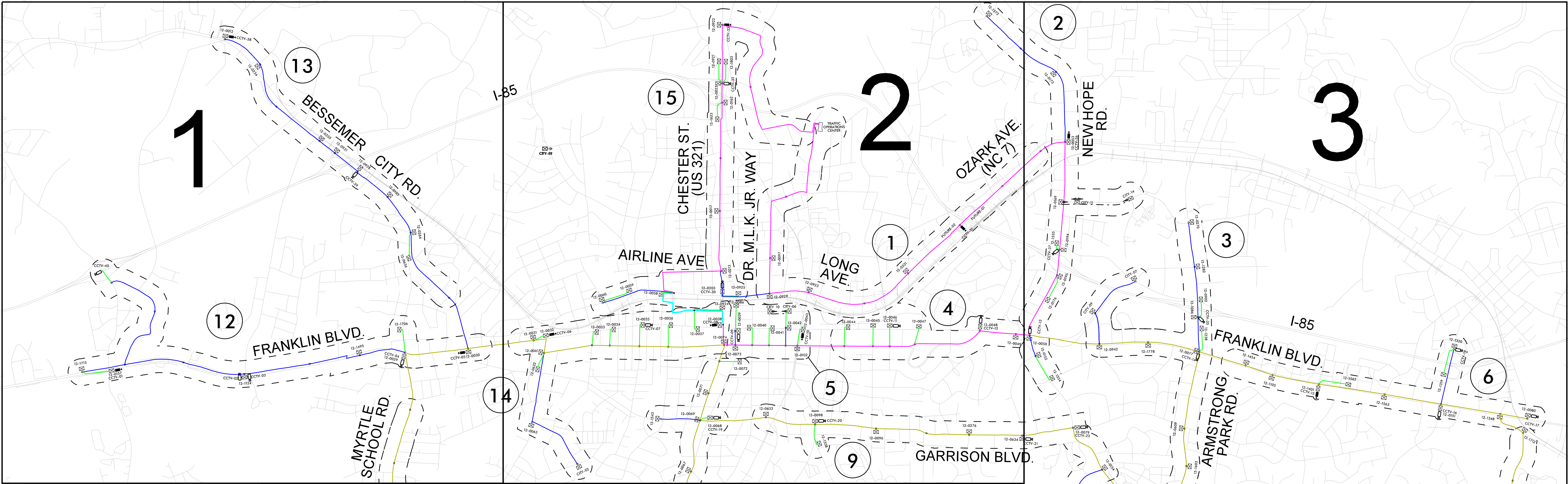
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PREPARED BY: S. BUTLERREVIEWED BY: I. VAN OSDELL

REVISIONS	INIT.	DATE

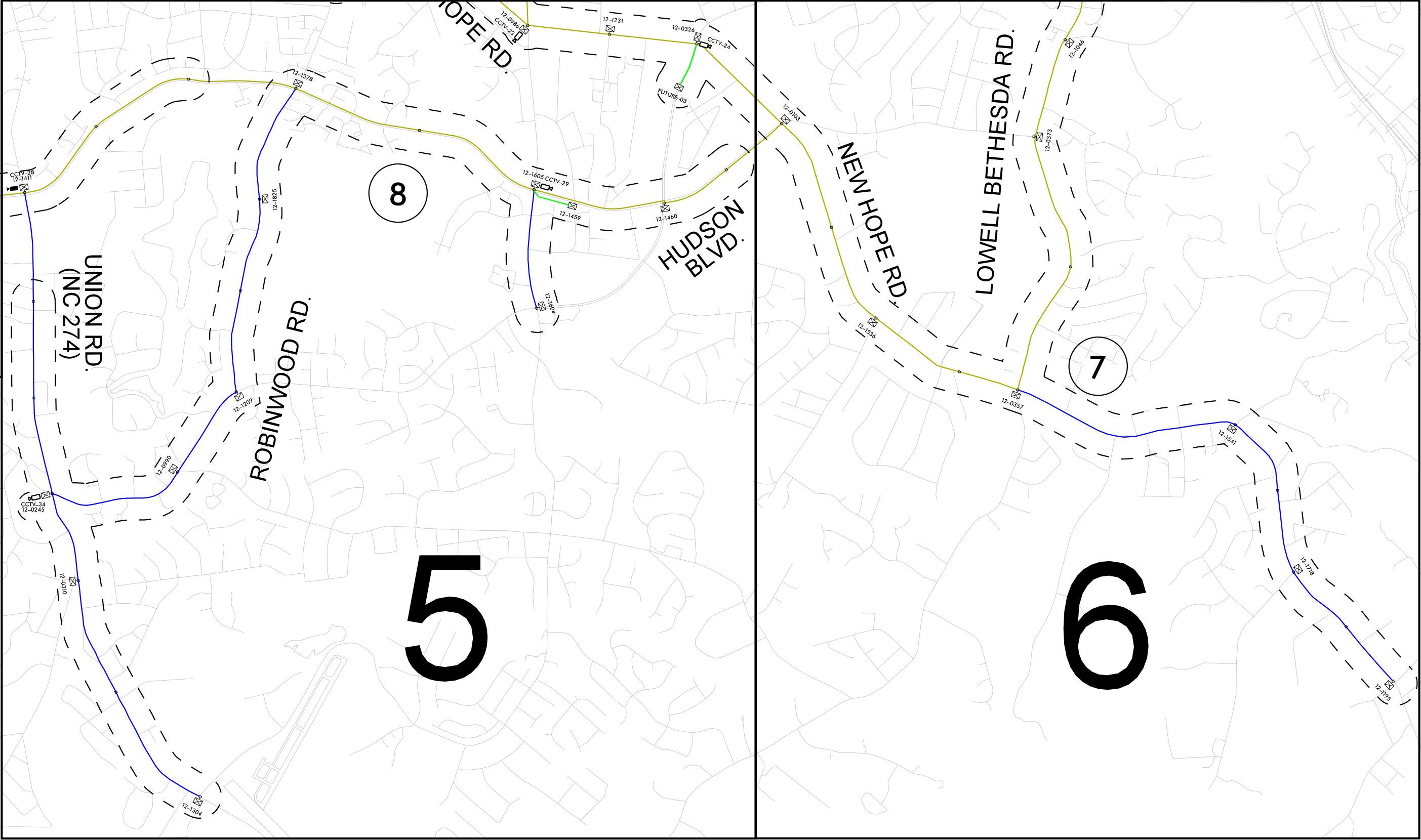
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NORTH CAROLINA
PROFESSIONAL
SEAL
028952
MICHAEL Z. VAN OSDELL
ENGINEER

DocuSigned by:

3/18/2022
CADD Filename:



CABLE SCHEMATIC LEGEND

	24 SMFO		EXISTING CCTV CAMERA
	48 SMFO		PROPOSED CCTV CAMERA
	72 SMFO		EXISTING CABLE NAME (TOP) AND EXISTING FIBER COUNT (BOTTOM)
	12 FIBER DROP		PROPOSED CABLE NAME (TOP) AND PROPOSED FIBER COUNT (BOTTOM)
	EXISTING 144 SMFO		FUTURE NCDOT SIGNAL
	WIRELESS		EXISTING NCDOT SIGNAL
	CHANNEL BOUNDARY		EXISTING CITY SIGNAL
	SPLICE LOCATION		CHANNEL / COMMUNICATION GROUP
	MODIFIED SPLICE LOCATION		WIRELESS COMMUNICATION
	CABINET		CELLULAR COMMUNICATION



3/21/2022
\\kimley-horn.com\SE\RAL\NRA\1PTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing Schematic\C-5703 ITS spl_schemo_MCB_2000scale.dgn

KimleyHorn

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Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0 2000

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

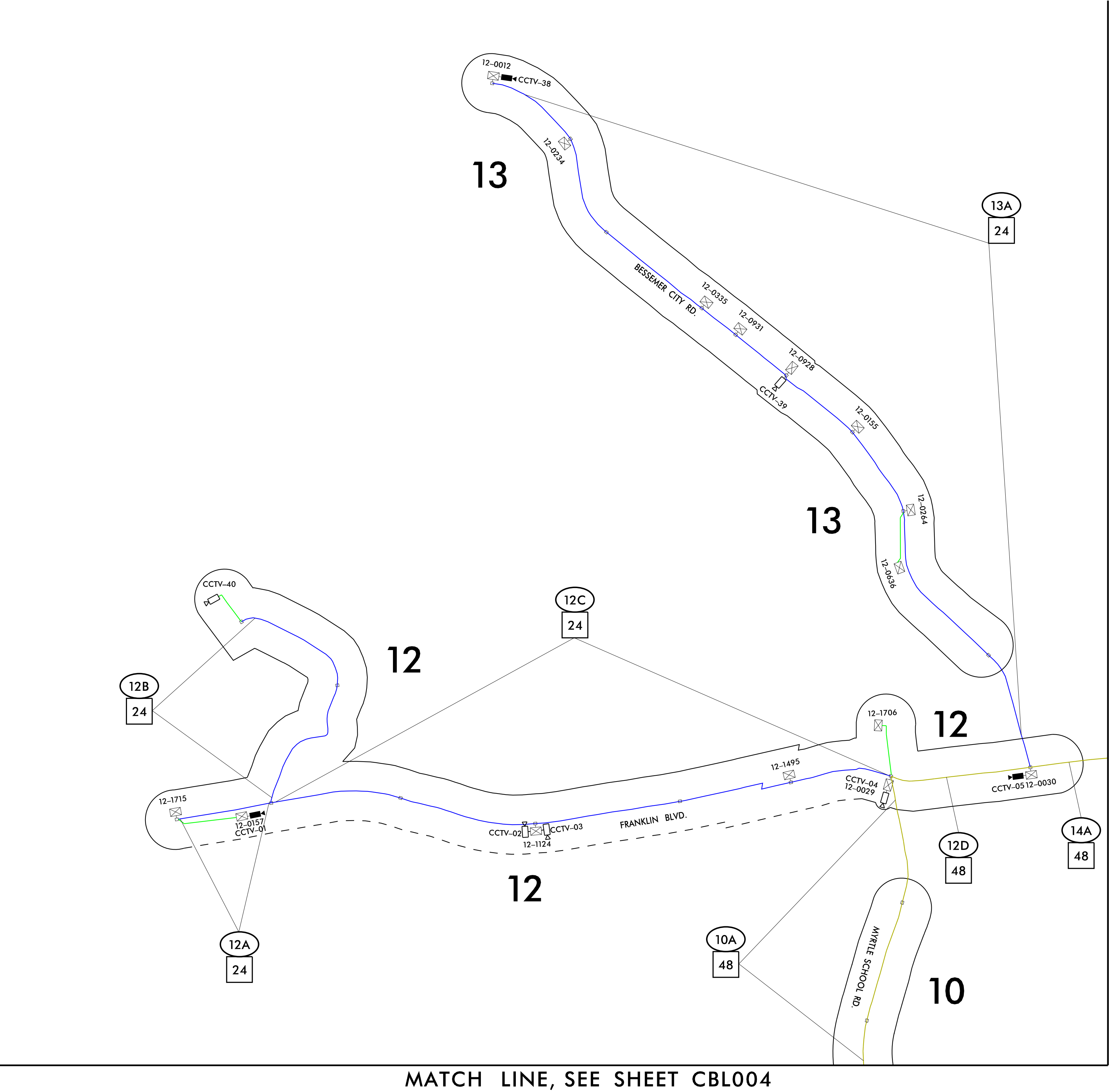
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3/21/2022

DATE

CADD Filename:

PROJECT REFERENCE NO.	SHEET NO.
C-5703	CBL001



Plans Prepared For:

1000

750 N. Greenfield Pkwy., Garner, NC 27529

SEAL

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SCALE

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE SCHEMATIC (1 OF 6)

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

SEAL 028952

INTEGR. ENGINEER

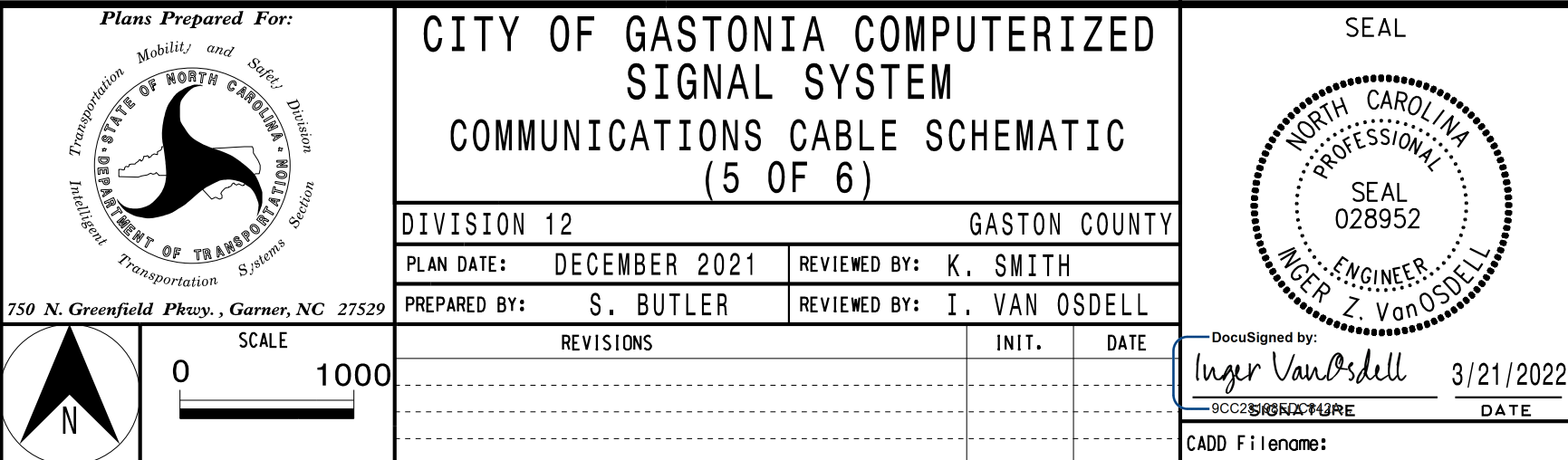
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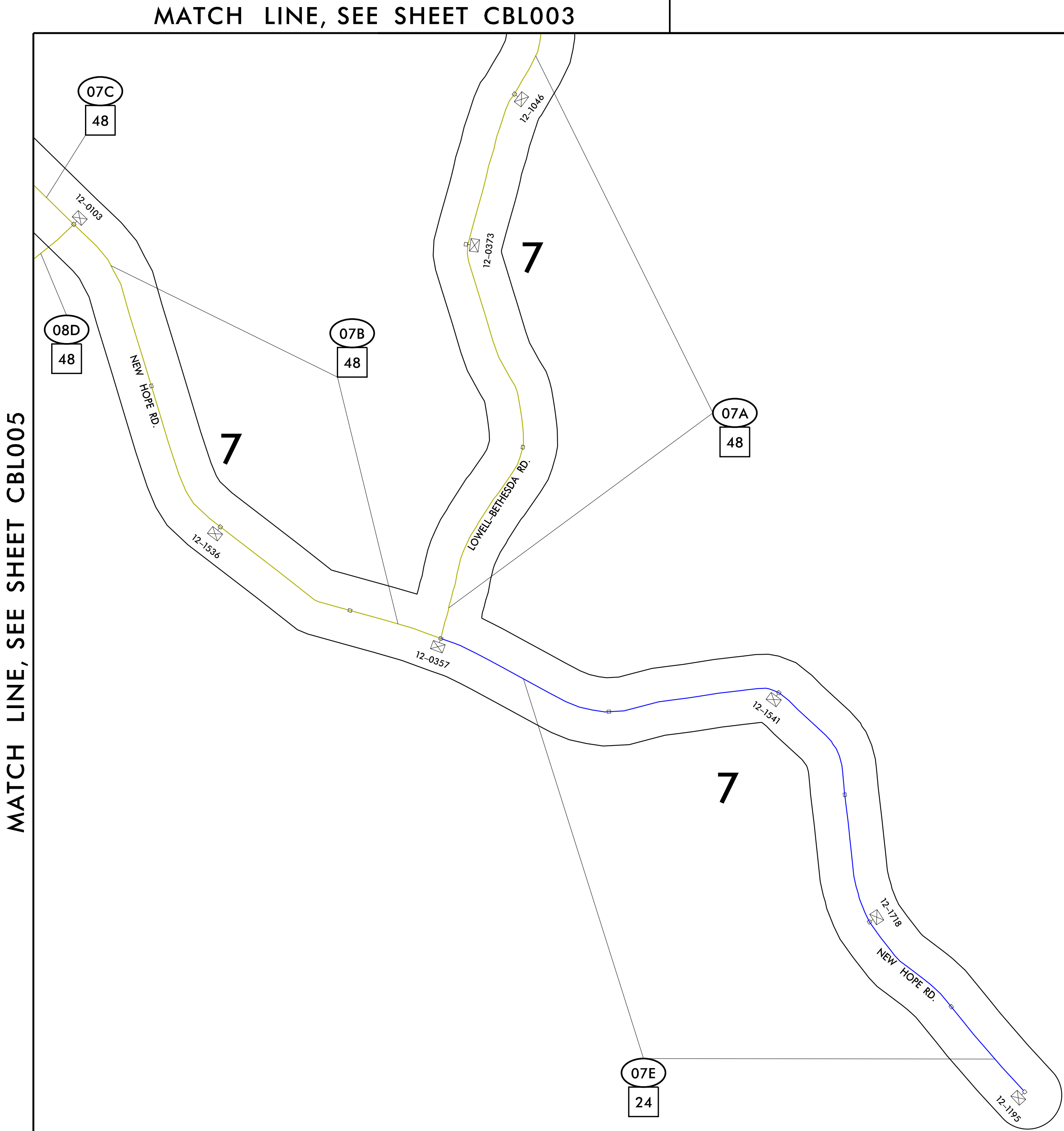
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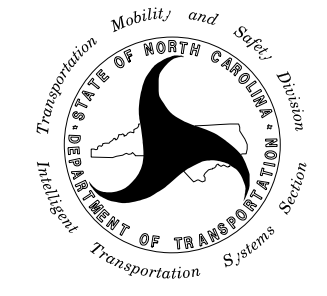


PROJECT REFERENCE NO.	SHEET NO.
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3/21/2022
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529



SCALE

0 1000

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM COMMUNICATIONS CABLE SCHEMATIC (6 OF 6)			
DIVISION 12		GASTON COUNTY	
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Fax: (919) 677-2050

SEAL



Drawn by: Iker Van Osdel
3/21/2022

DATE

CADD Filename:

CHANNEL 1
SPlice ENCLOSURE AT
DAVIDSON AVE. AT OAKLAND ST.

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

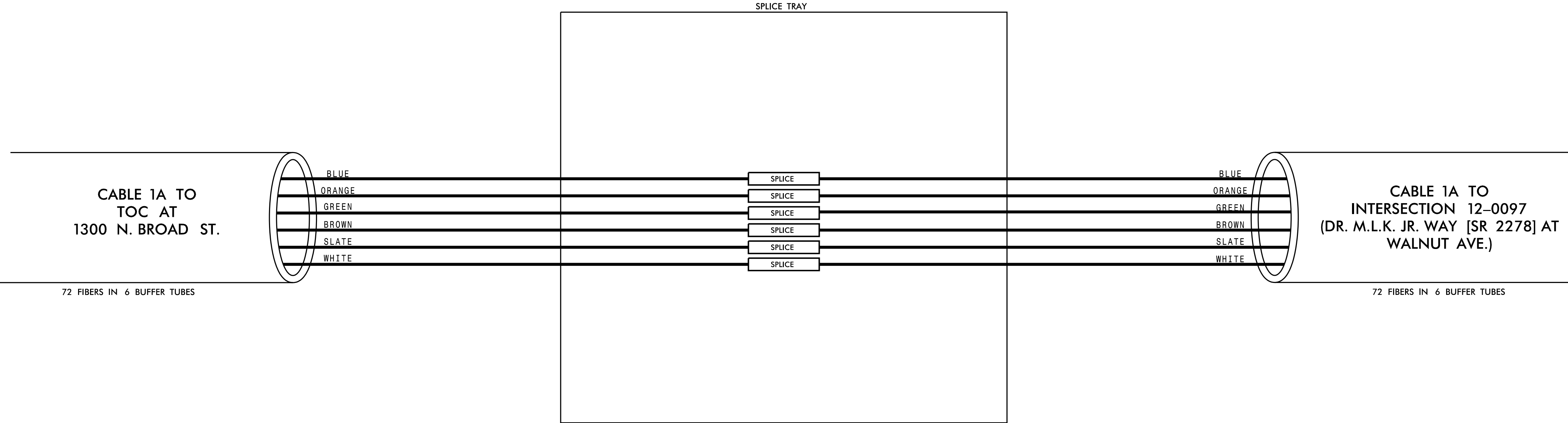
EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.
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3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPlicing. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPlicing IS NOT AS EXPECTED.



3/15/2022
\\kimley-horn.com\SE\RAL\NRL\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing SPL001.dgn

Plans Prepared For:
City of Gastonia
Department of Transportation
750 N. Greenfield Place, Gastonia, NC 27529

Seal of the State of North Carolina
Department of Transportation
Seal of the State of North Carolina
Department of Transportation

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

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
Seal of the State of North Carolina
Professional Engineer

Seal of the State of North Carolina
Professional Engineer
Seal of the State of North Carolina
Professional Engineer

Seal of the State of North Carolina
Professional Engineer
Seal of the State of North Carolina
Professional Engineer

Seal of the State of North Carolina
Professional Engineer
Seal of the State of North Carolina
Professional Engineer

NC License #F-0102
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Raleigh, NC 27601
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Fax: (919) 677-2050

Seal of the State of North Carolina
Professional Engineer
Seal of the State of North Carolina
Professional Engineer

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Professional Engineer
Seal of the State of North Carolina
Professional Engineer

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Seal of the State of North Carolina
Professional Engineer
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Professional Engineer

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

CHANNEL 1

CHANNEL 1
SPlice ENCLOSURE AT
(DR. M.L.K. JR. WAY [SR 2278] AT
WALNUT AVE.)
SIG ID 12-0097

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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- FUSION SPlice INDIVIDUAL FIBER

- EXISTING SPlice

- EXPRESS INDIVIDUAL FIBER

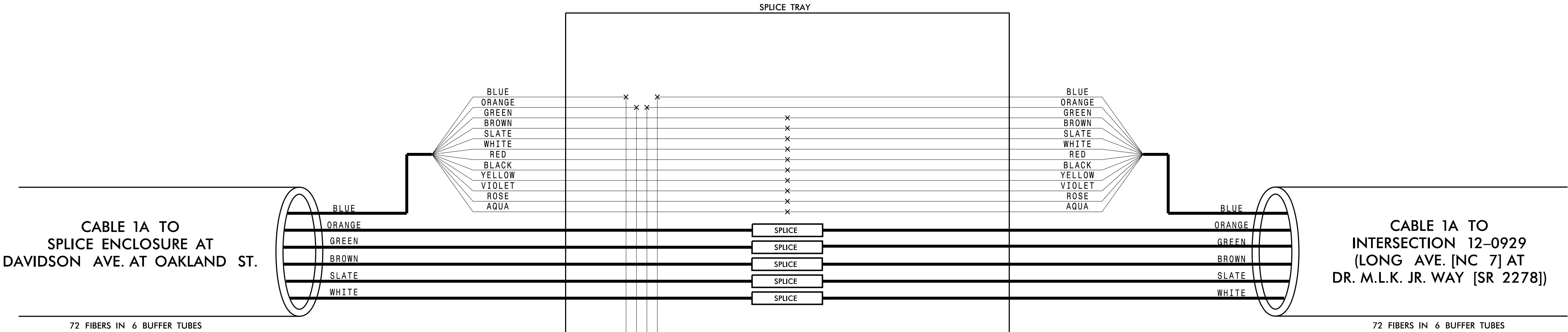
EXPRESS

SPlice

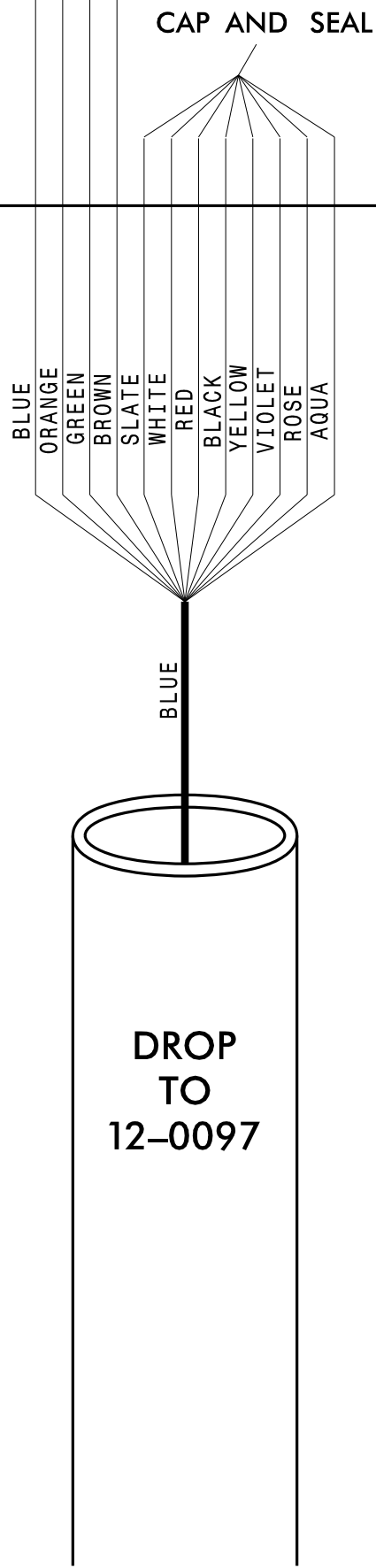
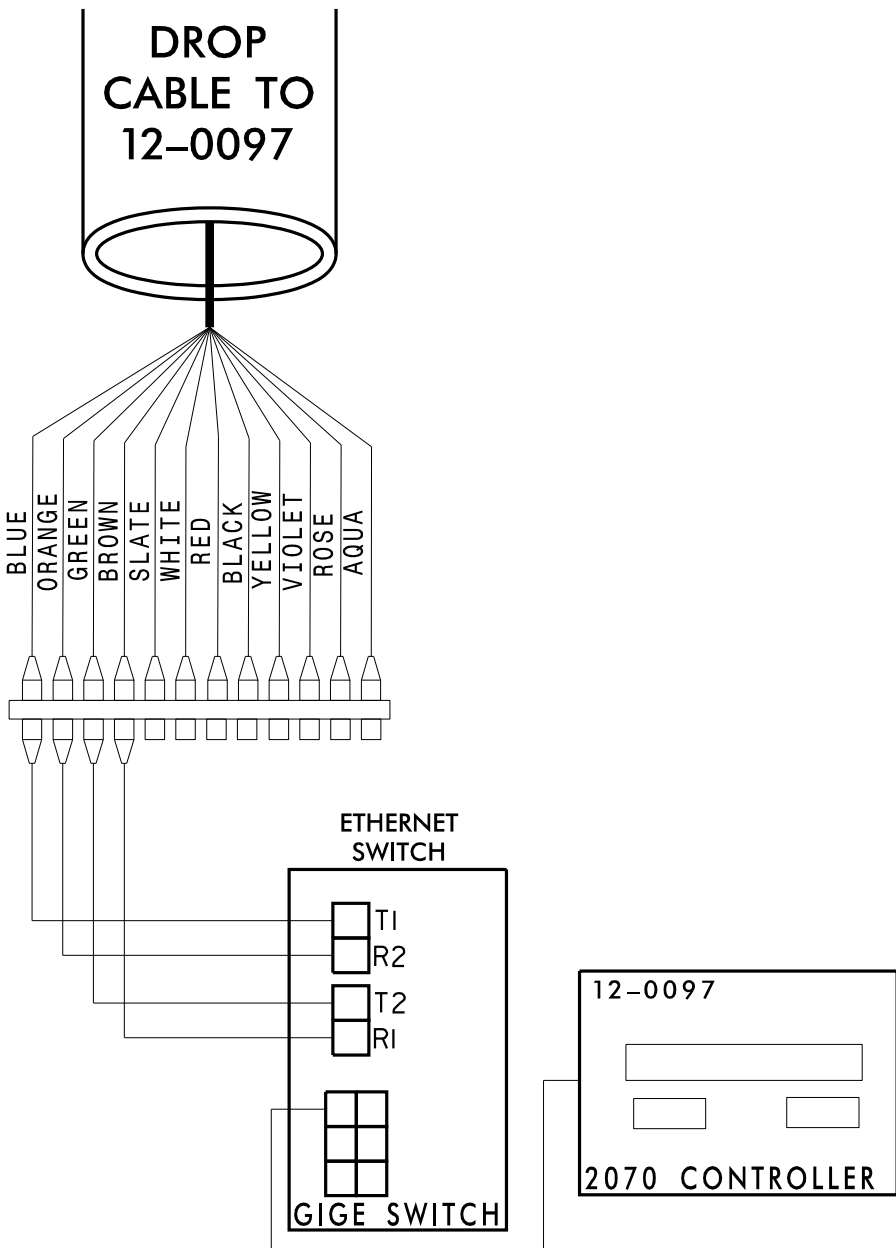
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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CABINET AT INTERSECTION 12-0097



Plans Prepared For:

750 N. Greenfield Parkway, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

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

SEAL

3/16/2022

CADD Filename:

CHANNEL 1
SPLICE ENCLOSURE AT
(LONG AVE. [NC 7] AT
DR. M.L.K. JR. WAY [SR 2278])
SIG ID 12-0929

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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□

- FUSION SPLICE INDIVIDUAL FIBER

- EXISTING SPLICE

- EXPRESS INDIVIDUAL FIBER

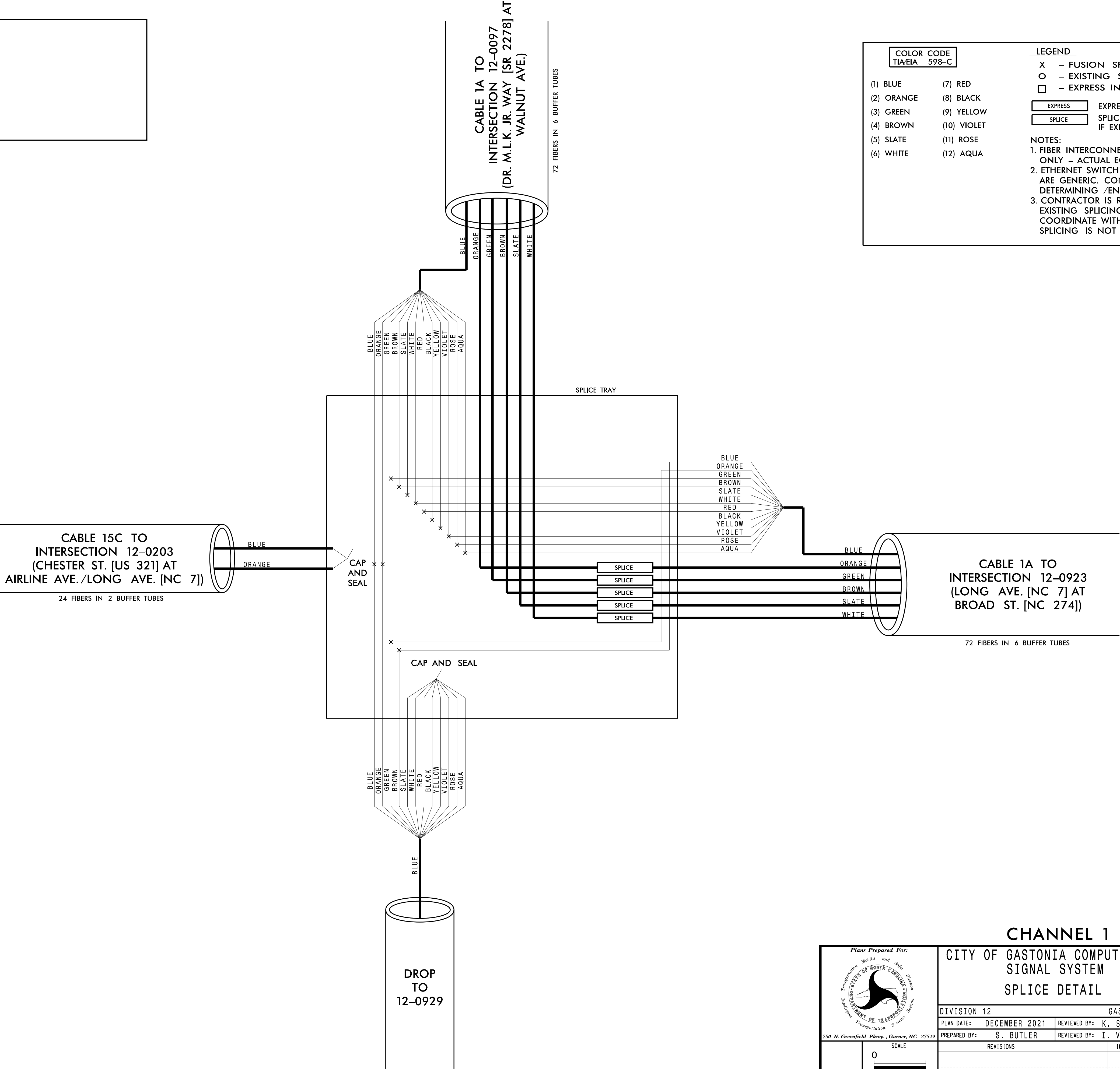
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SPLICE

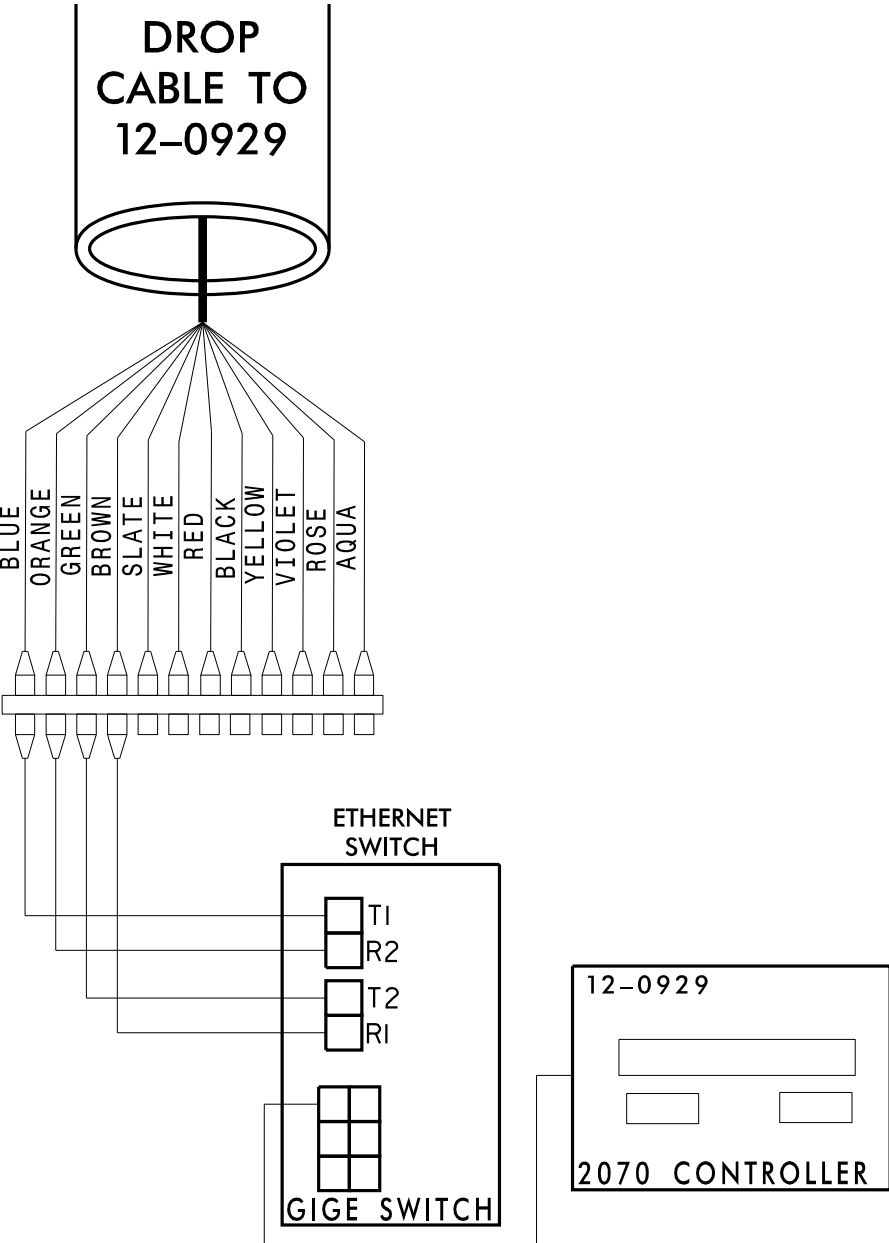
EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

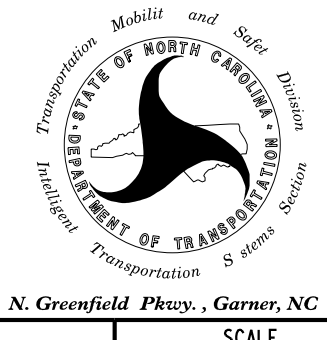
NOTES:
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CABINET AT INTERSECTION 12-0929



Plans Prepared For:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPLICE DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

0

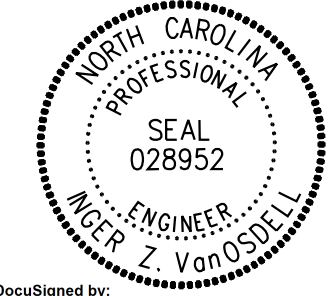
REVISIONS

INIT.

DATE

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

SEAL



INGE Z. VAN OSDEL
PROFESSIONAL ENGINEER
SEAL 028952

DocuSigned by:
Inger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 1
SPLICE ENCLOSURE AT
(LONG AVE. [NC 7] AT BROAD ST.)
SIG ID 12-0923

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

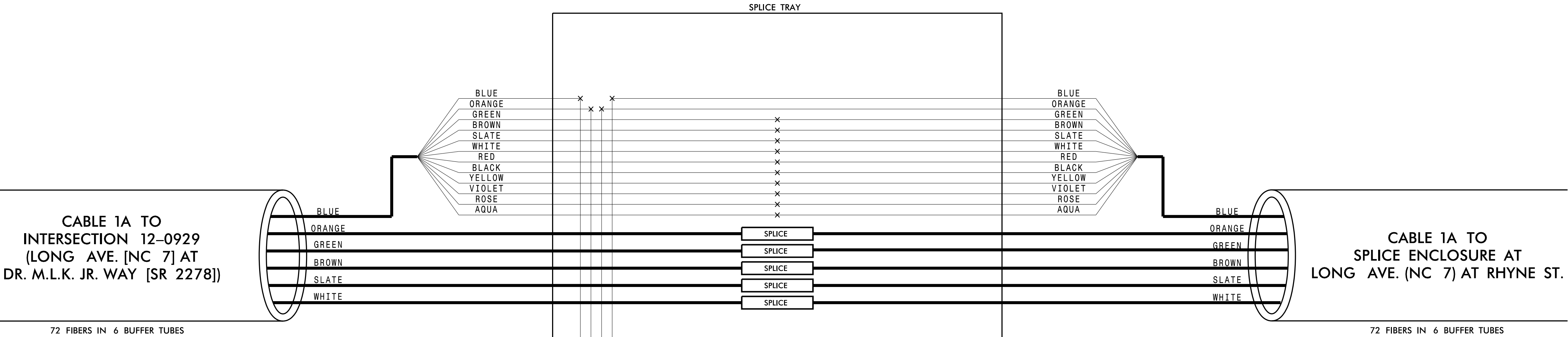
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SPlice

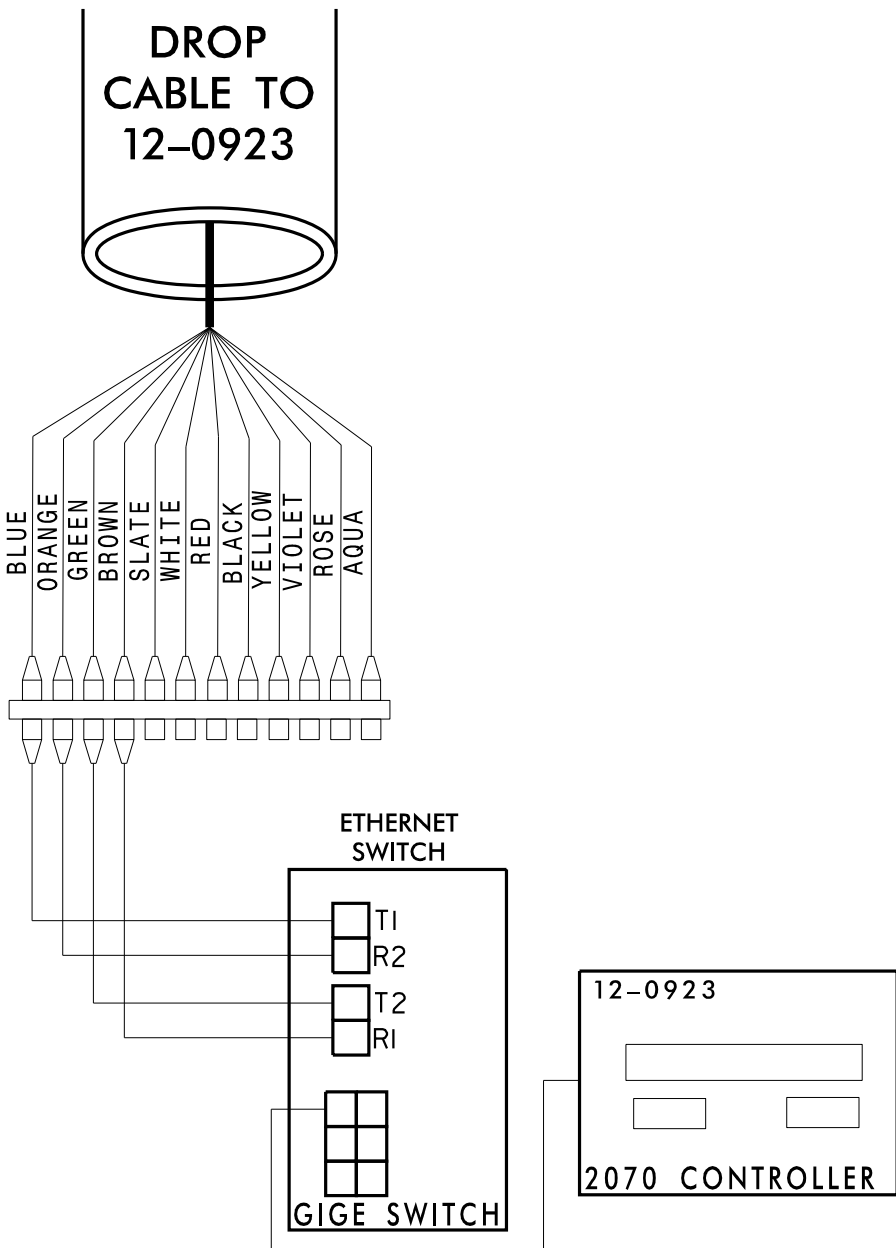
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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CABINET AT INTERSECTION 12-0923



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

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

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL

Inger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 1
SPlice ENCLOSURE AT
LONG AVE. (NC 7) AT RHYNE ST.

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

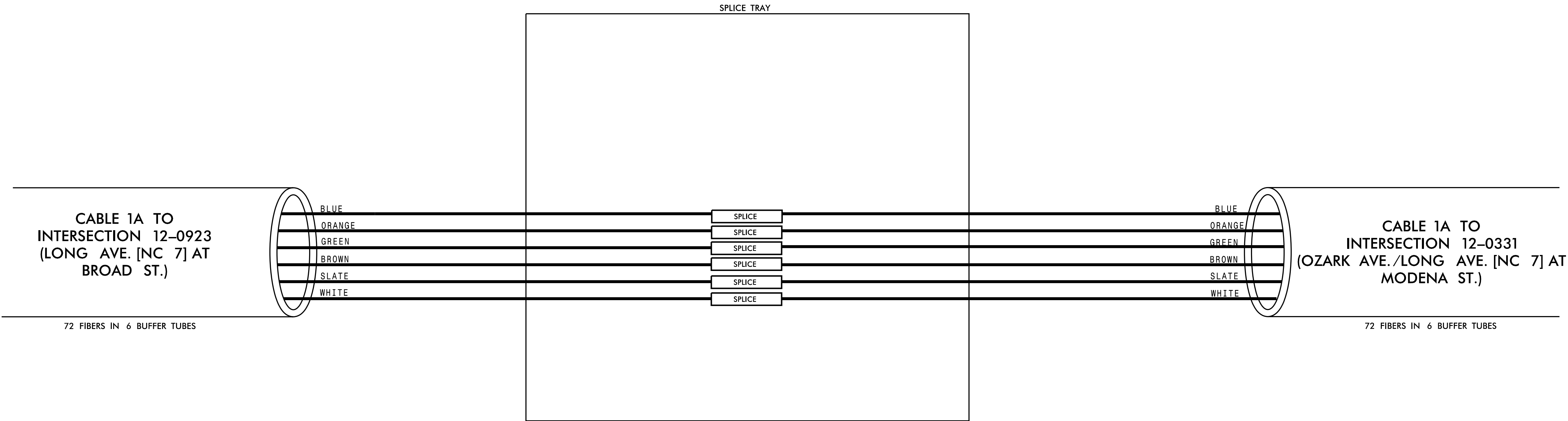
EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

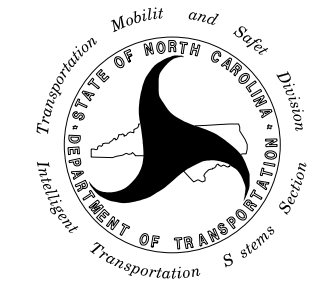
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3/15/2022
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

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

Seal of the State of North Carolina Professional Engineer

Seal 028952

INCE Z. Van Osdel

3/16/2022

Kimley»Horn

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

CHANNEL 1

Seal of the State of North Carolina Professional Engineer

Seal 028952

INCE Z. Van Osdel

3/16/2022

CHANNEL 1
SPLICE ENCLOSURE AT
(OZARK AVE./LONG AVE. [NC 7]
AT MODENA ST.)
SIG ID 12-0331

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

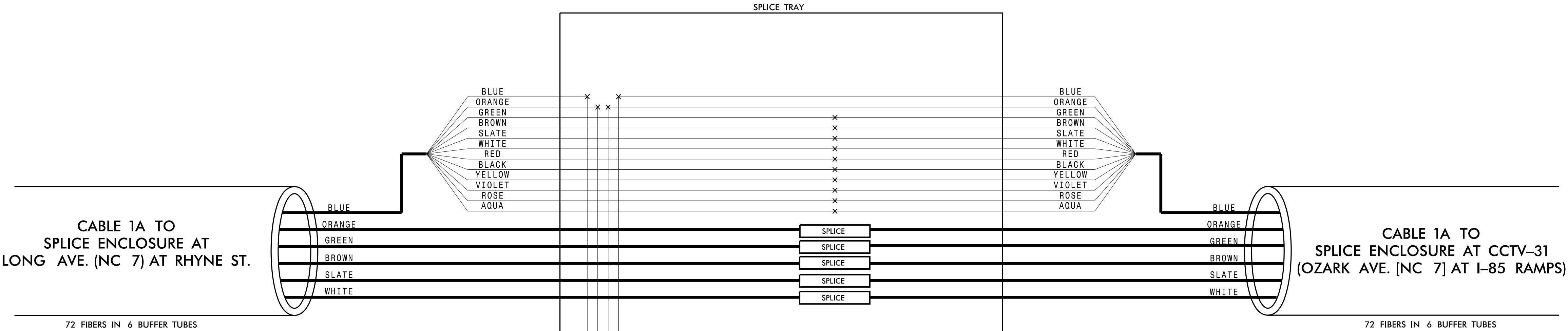
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

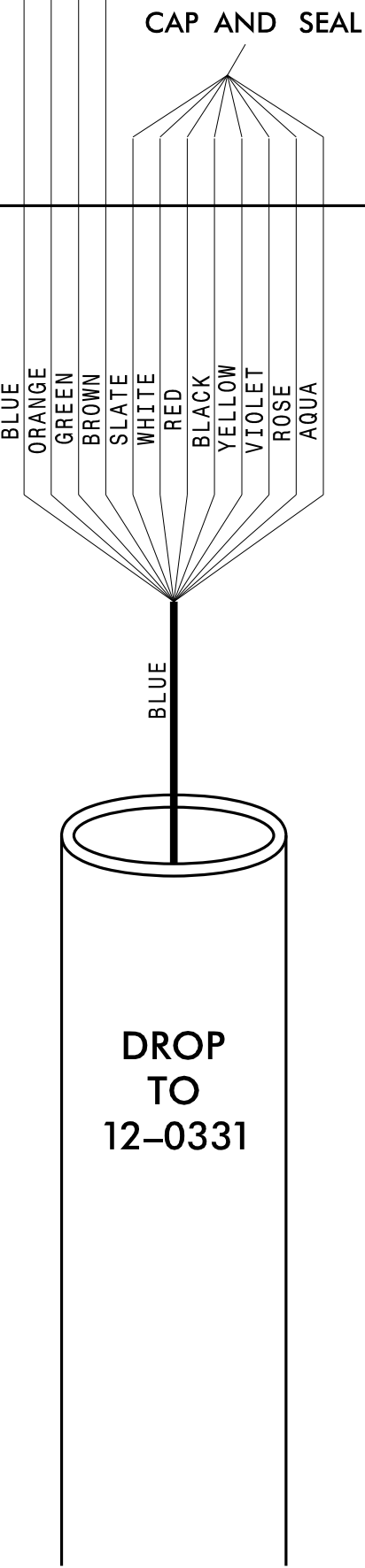
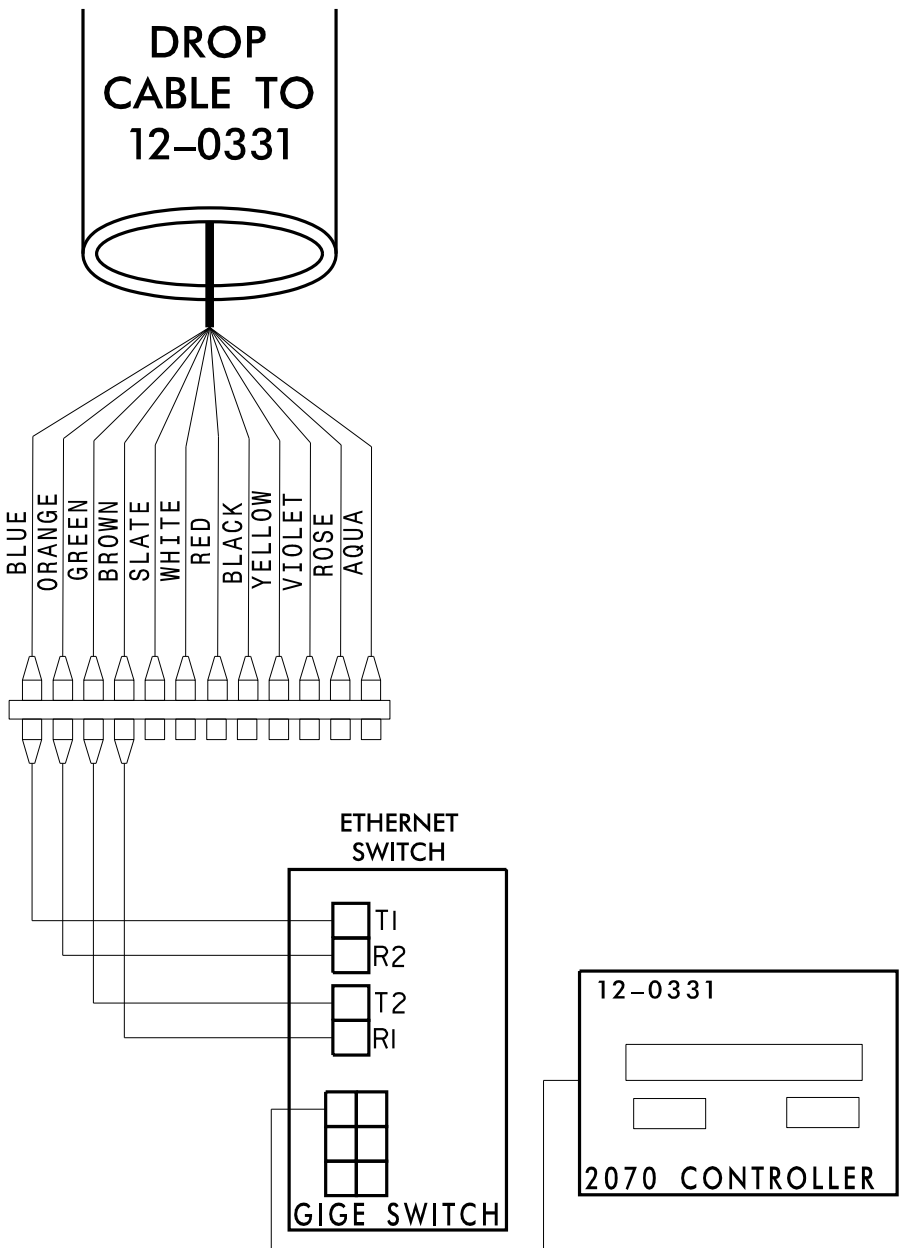
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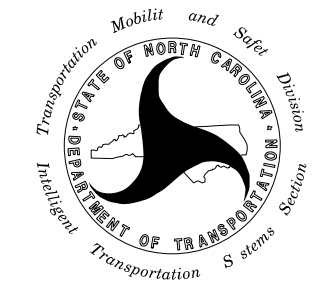
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPlicing. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPlicing IS NOT AS EXPECTED.



CABINET AT INTERSECTION 12-0331



Plans Prepared For:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

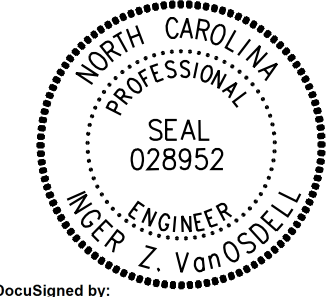
PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

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SEAL



SEAL 028952
INGE. Z. VAN OSDEL
NORTH CAROLINA PROFESSIONAL ENGINEER

Signature

Inger Van Osdel

DATE

3/16/2022

CADD Filename:

CHANNEL 1
SPLICE ENCLOSURE AT
OZARK AVE. [NC 7] AT I-85 RAMPS
CCTV CAMERA-31

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

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EXPRESS INDIVIDUAL FIBER

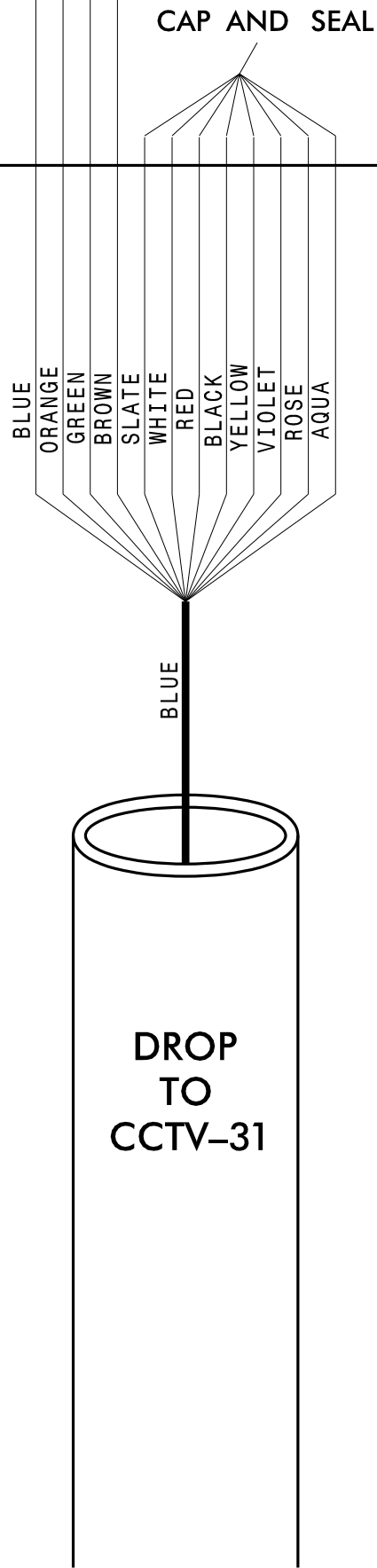
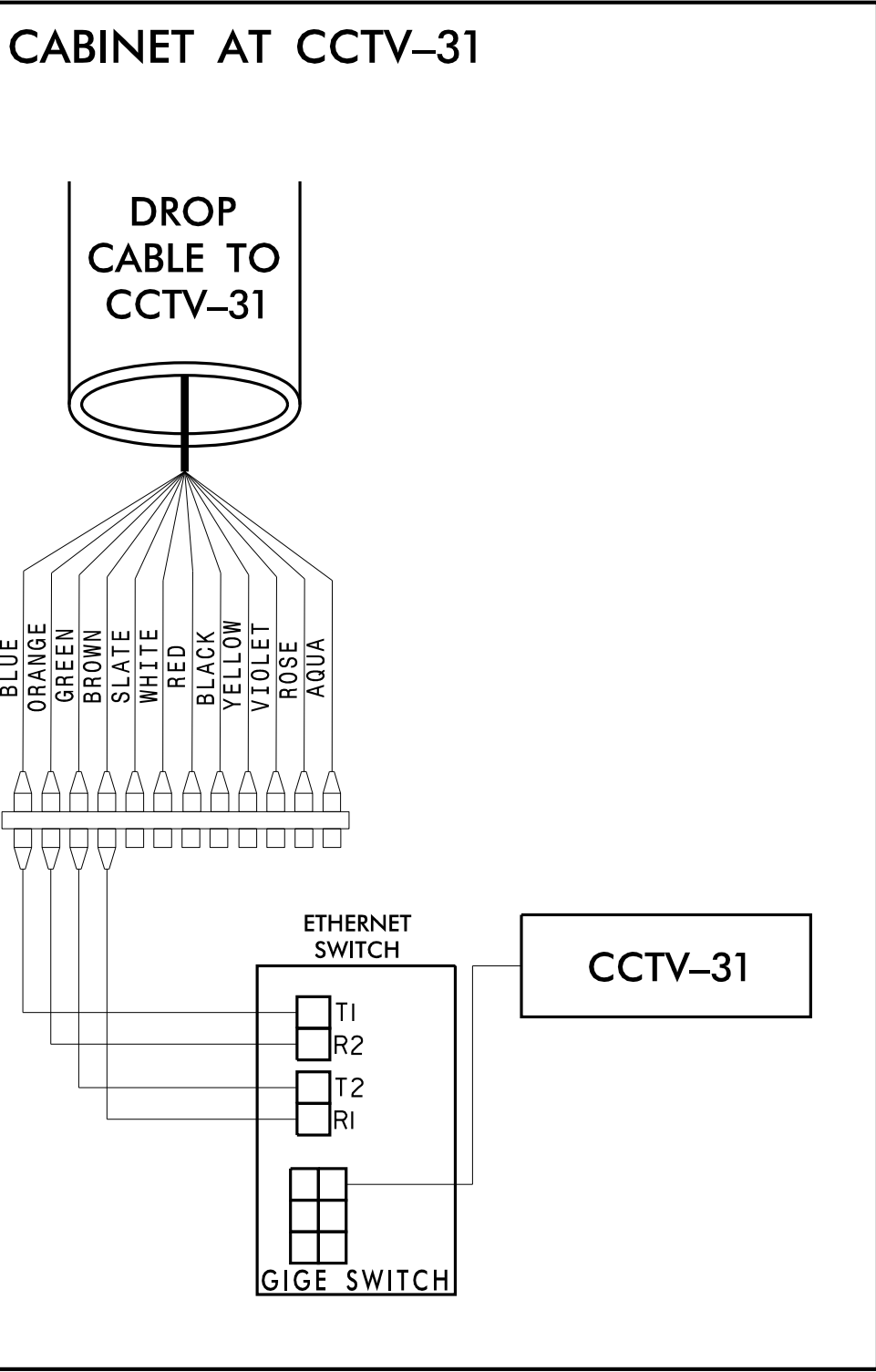
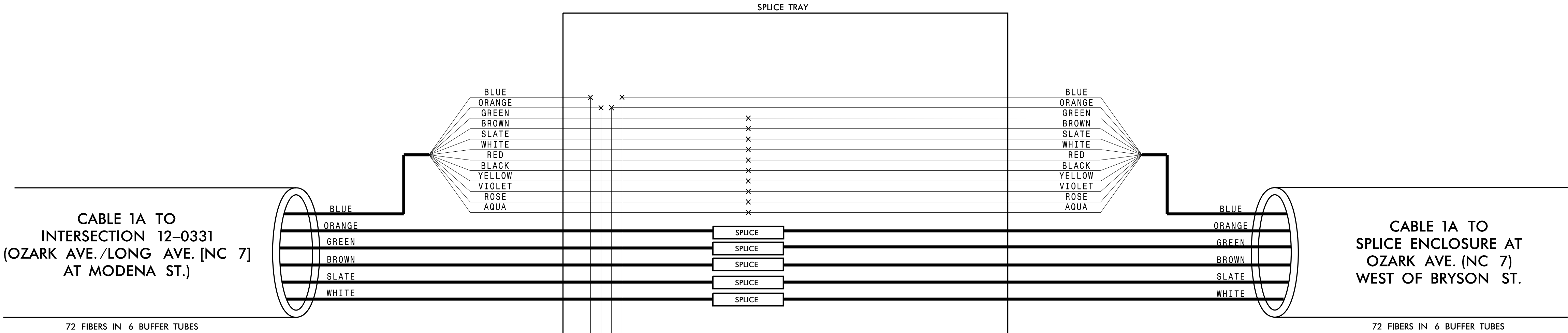
EXPRESS

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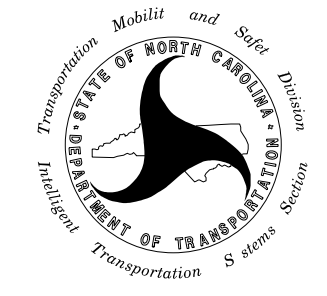
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 12GASTON COUNTY

PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

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

REVISIONS

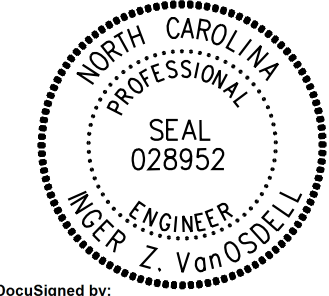
INIT. DATE

SCALE

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

SEAL



North Carolina Professional Engineer
Michael Z. Van Osdel
3/16/2022

CHANNEL 1
SPlice ENCLOSURE AT
OZARK AVE. (NC 7) WEST OF BRYSON ST.

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

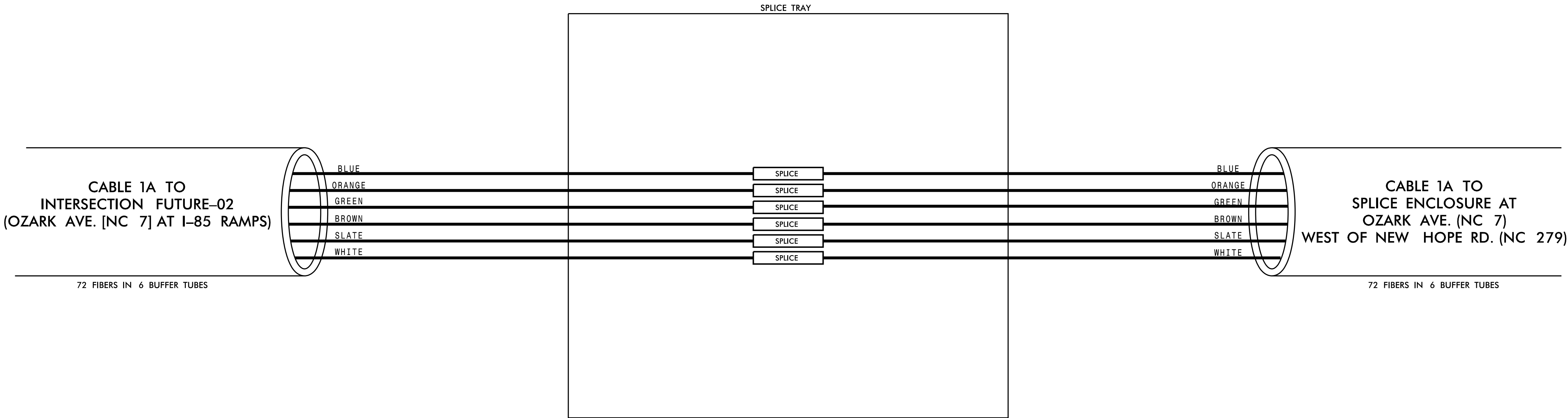
EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

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3/15/2022
\\kimley-horn.com\SE\RAL\NRL\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing SPL008.dgn

Plans Prepared For:
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Place, Gastonia, NC 27529

SCALE
0
1" = 10'

CHANNEL 1
CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

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
NORTH CAROLINA
PROFESSIONAL
SEAL
028952
ENGINEER
MICHAEL Z. VAN OSDELL

Drawn/Signed by: Inger Van OsdeLL

3/16/2022

DATE

CADD Filename:

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

CHANNEL 1
SPlice ENCLOSURE AT
OZARK AVE. (NC 7)
WEST OF NEW HOPE RD. (NC 279)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

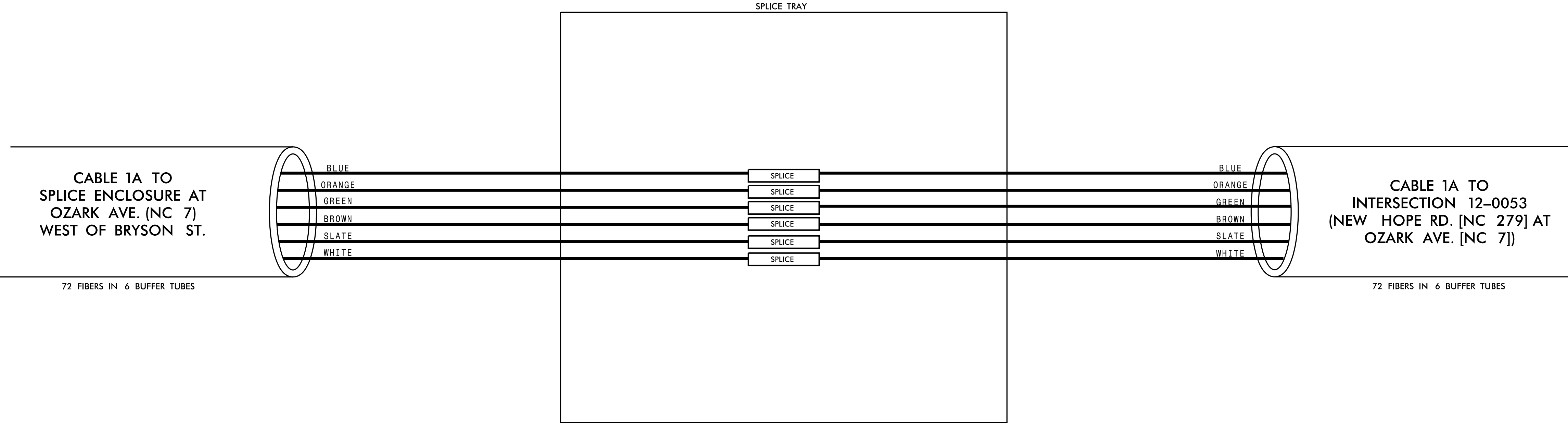
EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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3/15/2022
\\kimley-horn.com\SE\RAL\NRL\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL009.dgn

Plans Prepared For:
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

0

SCALE

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

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

NORTH CAROLINA
PROFESSIONAL
SEAL
028952
ENGINEER
MICHAEL Z. VAN OSDELL

3/16/2022

DATE

Signature of:
Iger Van OsdeLL

CADD Filename:

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

CHANNEL 1

CHANNEL 2
SPLICE ENCLOSURE AT
(NEW HOPE RD. [NC 279] AT MODENA ST./MONTROSE DR.)
SIG ID 12-1373

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

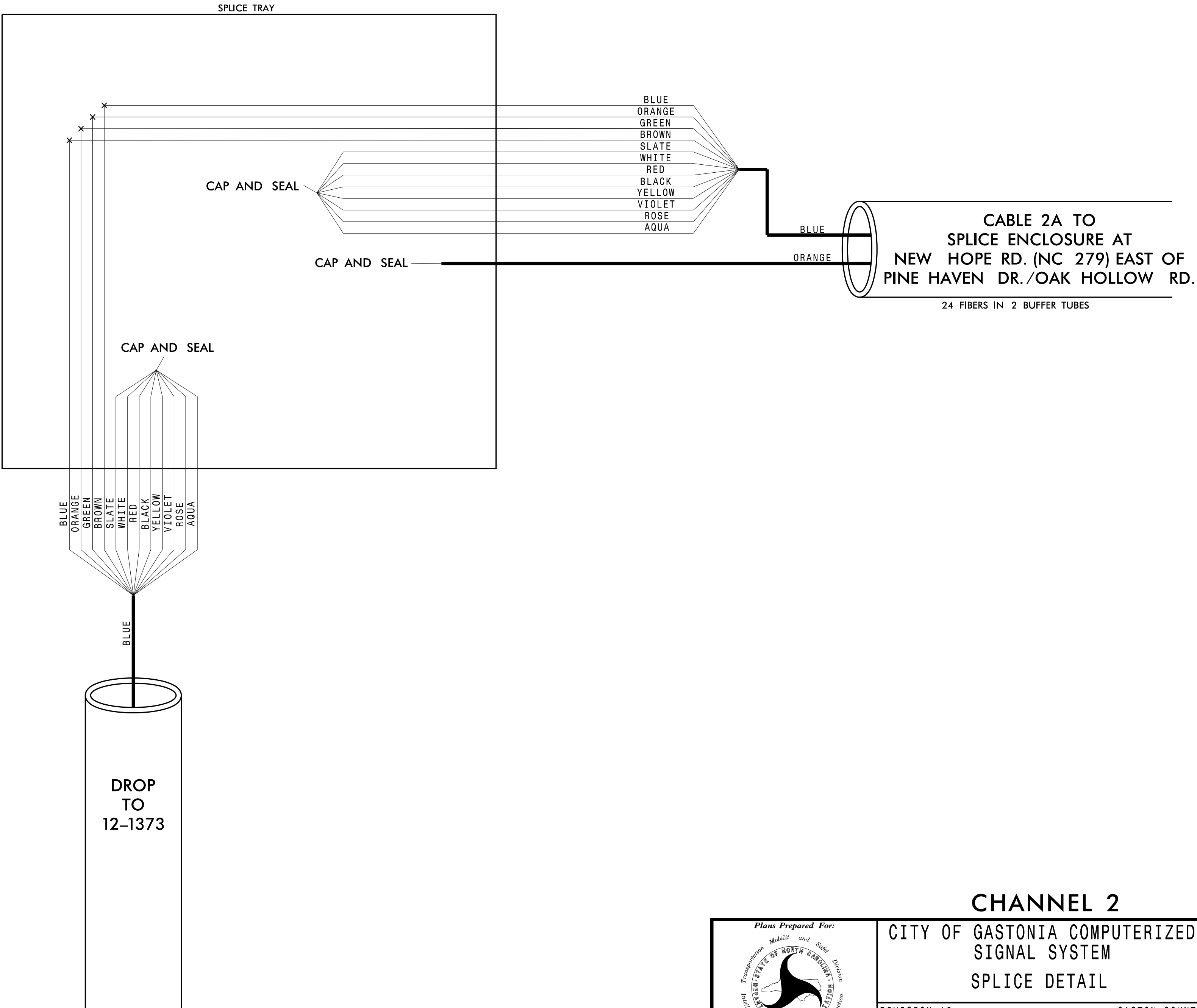
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SPlice

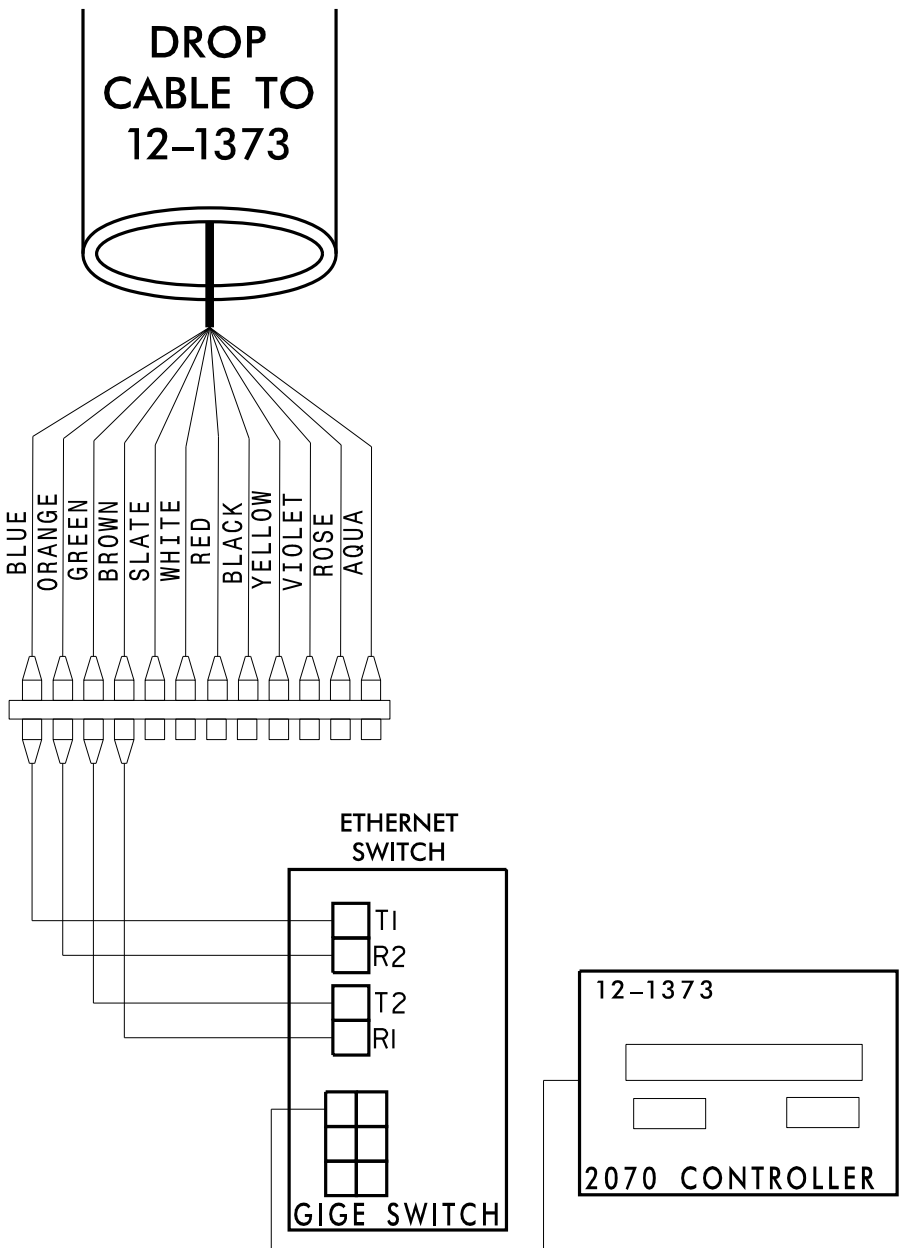
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.
2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
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CABINET AT INTERSECTION 12-1373



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

0

REVISIONS

INIT.

DATE

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL

Inger Van Osdel

3/16/2022

CADD Filename:

CHANNEL 2
SPlice ENCLOSURE AT
NEW HOPE RD. (NC 279) EAST OF
PINE HAVEN DR./OAK HOLLOW RD.

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

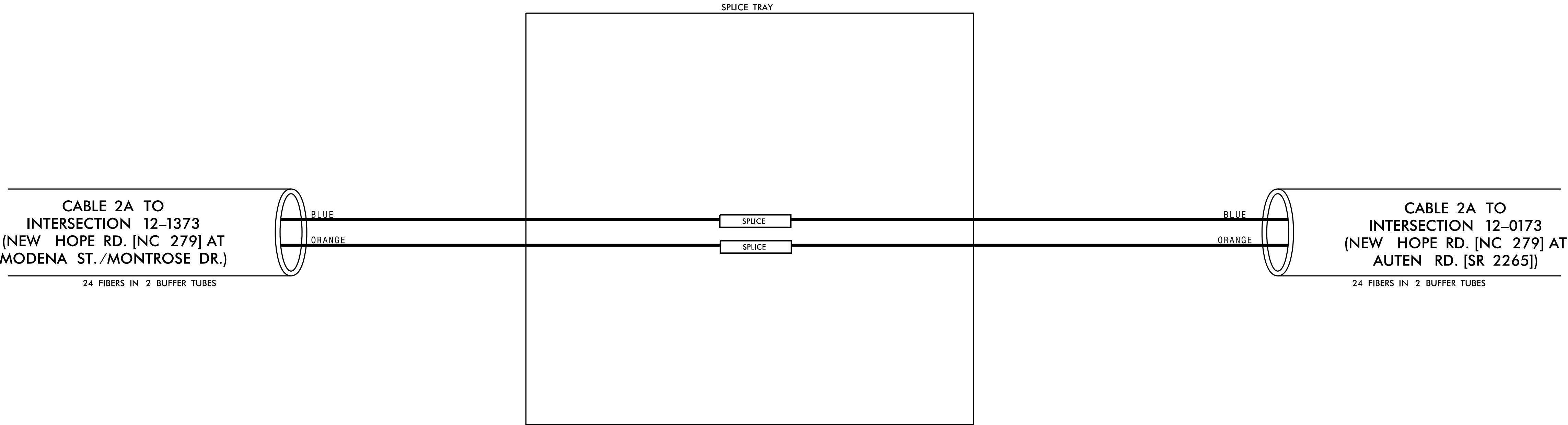
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

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3/15/2022
\\kimley-horn.com\SE\RAL\NAL_TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing SPL011.dgn

Plans Prepared For:
Department of Transportation
Division 12
750 N. Greenfield Pkwy., Gaston, NC 27529

0

SCALE

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

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

SEAL

028952

ENGINEER

INGER Z. VAN OSDELL

3/16/2022

DATE

CADD Filename:

Kimley»Horn

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

CHANNEL 2
SPLICE ENCLOSURE AT
(NEW HOPE RD. [NC 279]
AT AUTEN RD. [SR 2265])
SIG ID 12-0173

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION

EXISTING

EXPRESS

SPLICE INDIVIDUAL FIBER

SPLICE

EXPRESS ENTIRE BUFFER TUBE

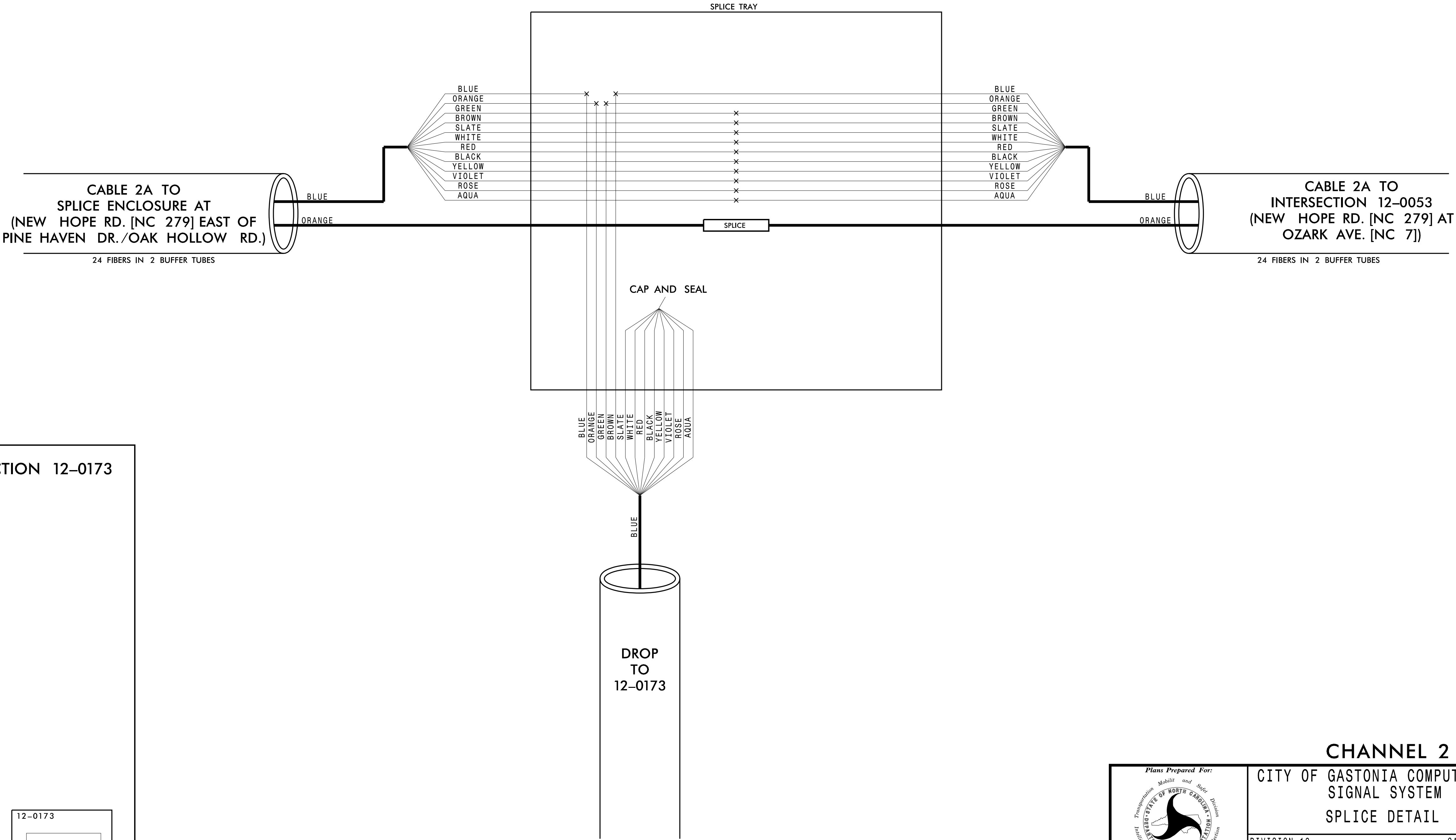
SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

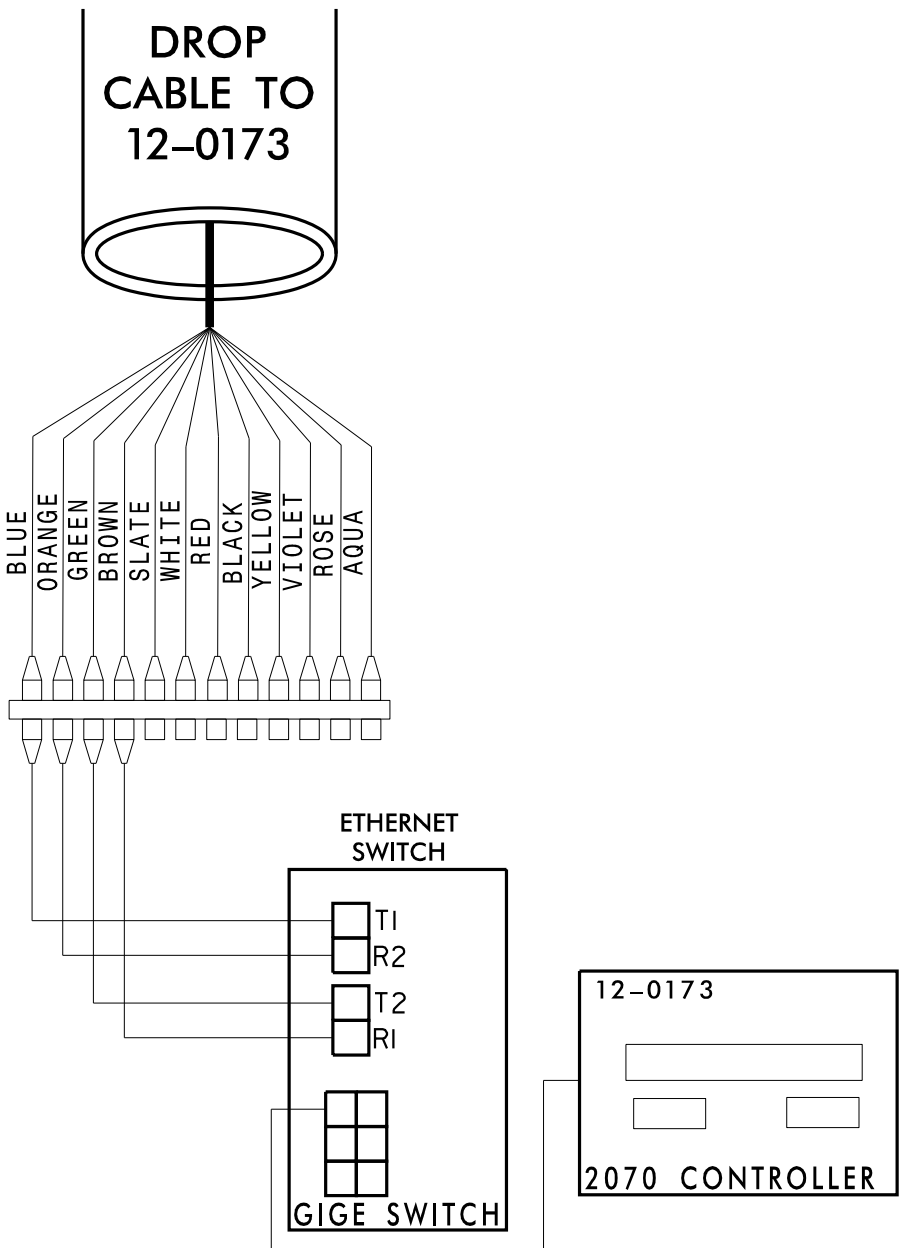
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CABINET AT INTERSECTION 12-0173



Plans Prepared For:

750 N. Greenfield Parkway, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

0

REVISIONS

INIT.

DATE

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL

Inger Van Osdel

3/16/2022

CADD Filename:

CHANNEL 2
SPLICE ENCLOSURE AT
(NEW HOPE RD. [NC 279]
AT OZARK AVE. [NC 7])
SIG ID 12-0053
CCTV CAMERA-36

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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FUSION SPLICE INDIVIDUAL FIBER

EXISTING SPLICE

EXPRESS INDIVIDUAL FIBER

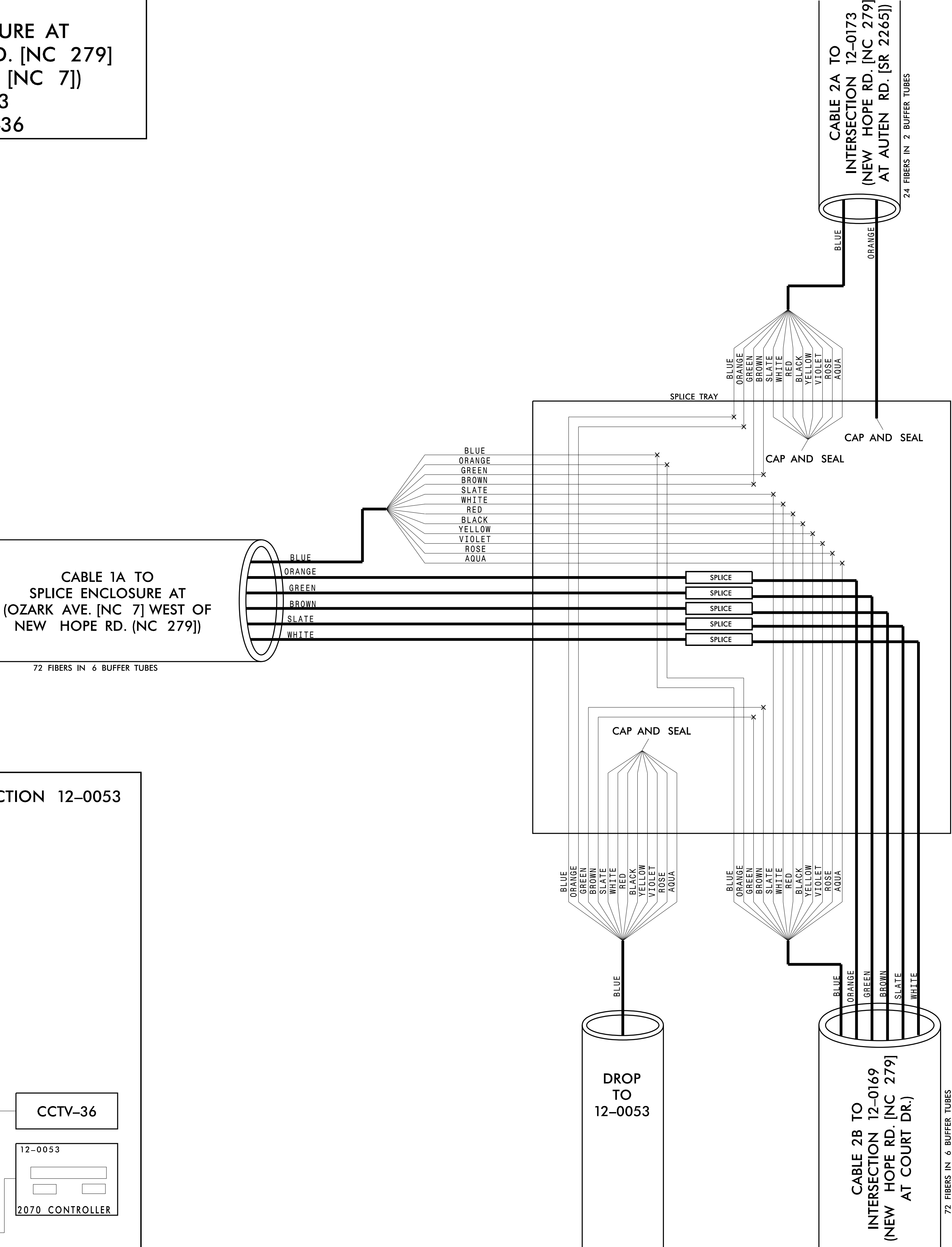
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SPLICE

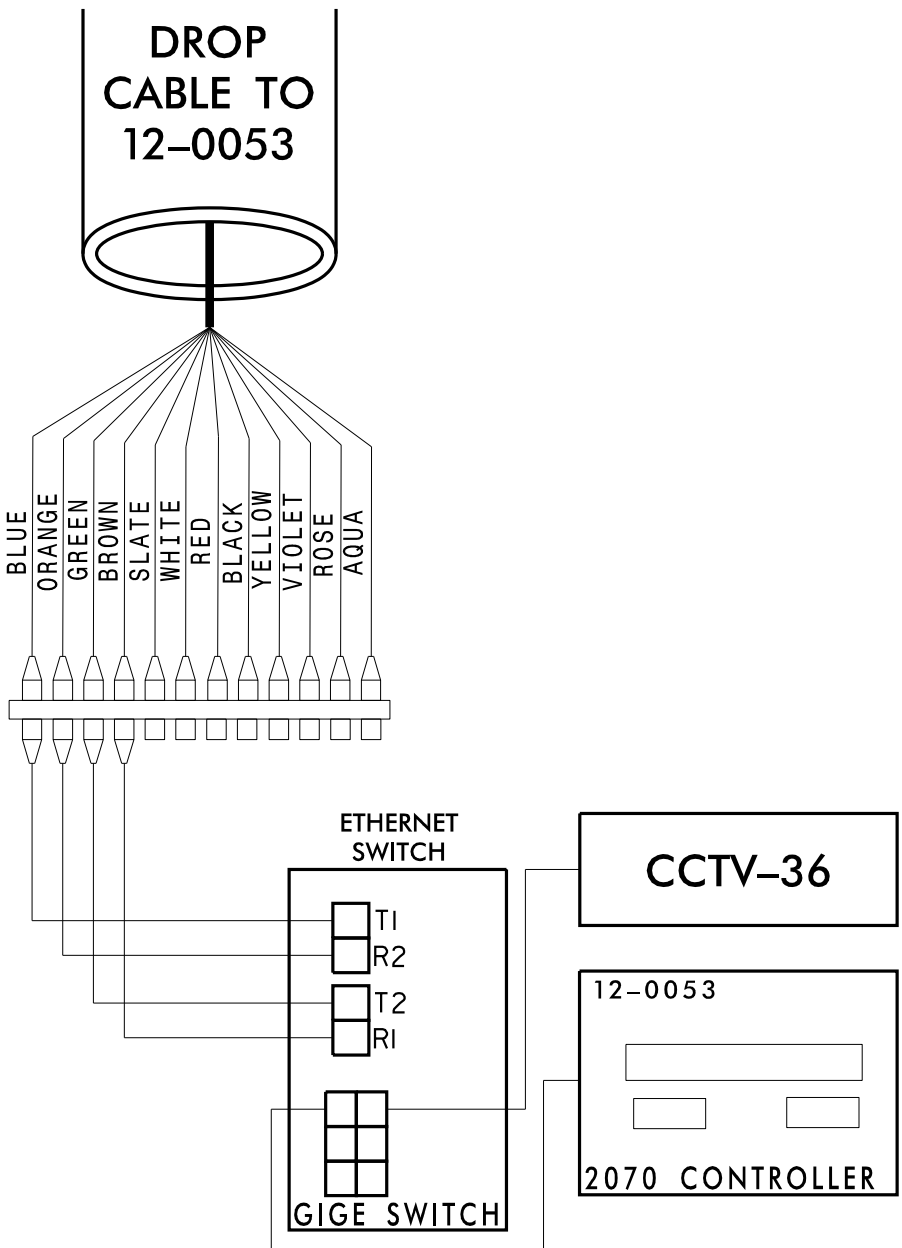
EXPRESS ENTIRE BUFFER TUBE

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CABINET AT INTERSECTION 12-0053



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

0

SCALE

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

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

NC License #F-0102

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Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

Seal of the State of North Carolina Professional Engineer

Seal 028952

INCE Z. Van Osdel

3/16/2022

DATE

3/15/2022 \\kimley-horn.com\SE\RAL\NRL\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing SPL013.dgn

CHANNEL 2
SPLICE ENCLOSURE AT
(NEW HOPE RD. [NC 279] AT COURT DR.)
SIG ID 12-0169 (WIRELESS)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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- FUSION SPlice INDIVIDUAL FIBER

- EXISTING SPlice

- EXPRESS INDIVIDUAL FIBER

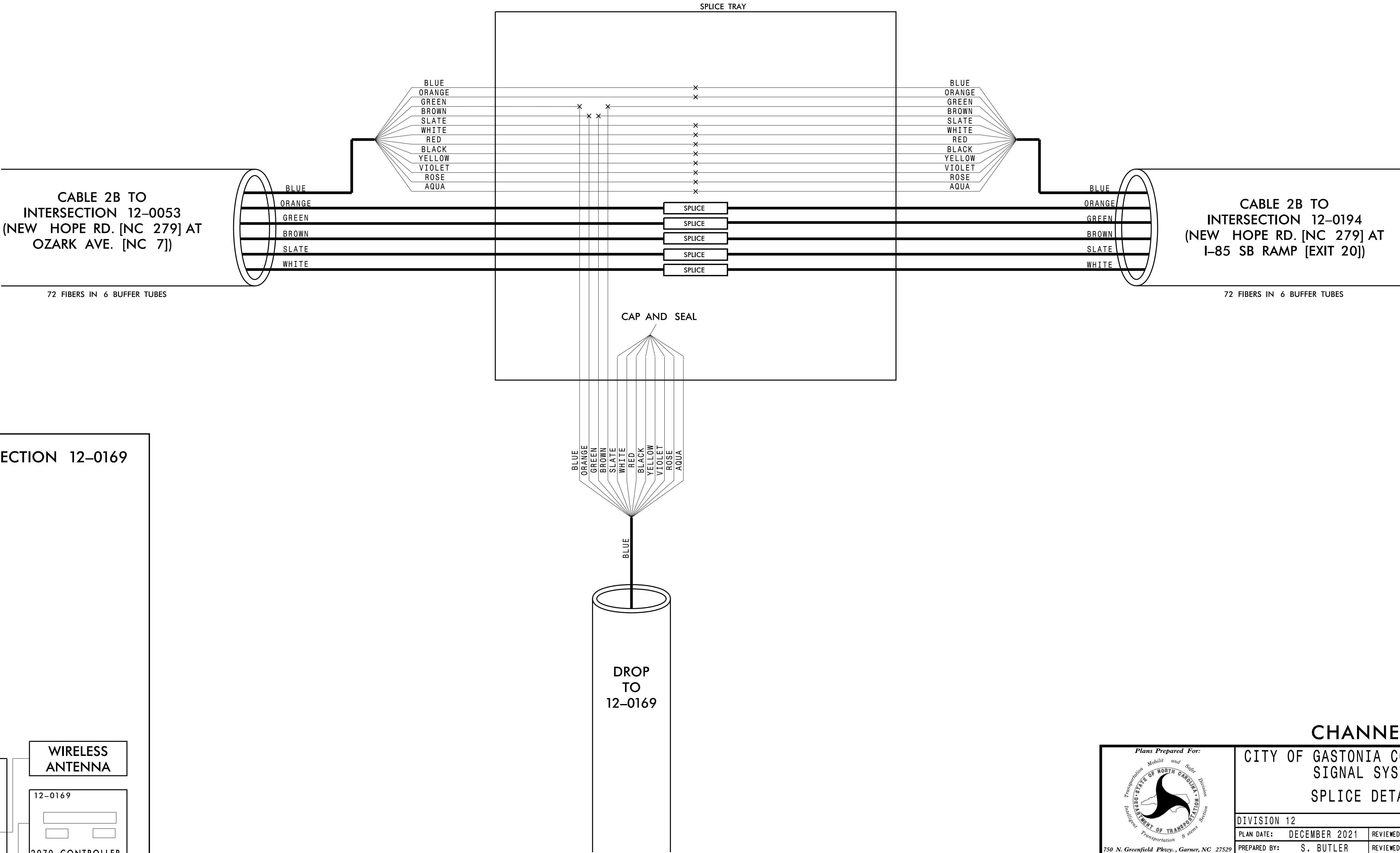
EXPRESS

SPlice

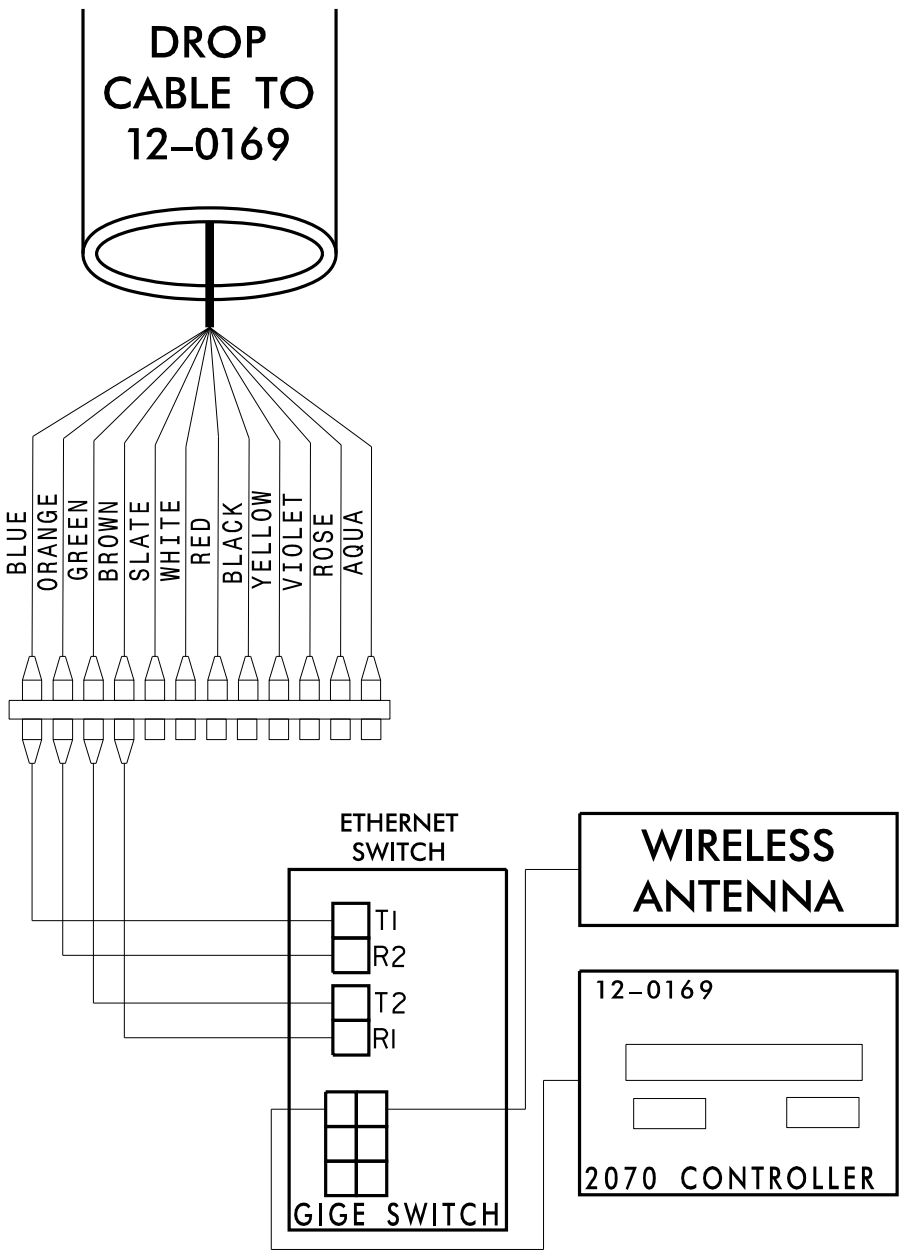
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

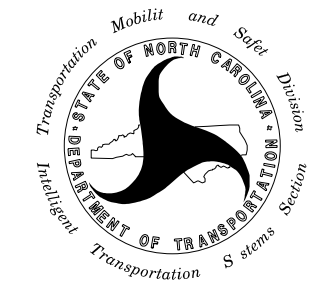
NOTES:
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CABINET AT INTERSECTION 12-0169



Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

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

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NC License #F-0102

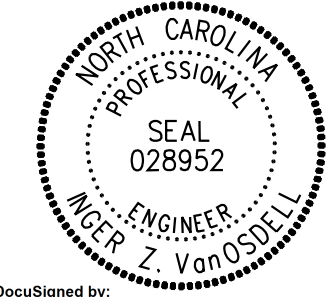
421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL



Inger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 2
SPlice ENCLOSURE AT
NEW HOPE RD. (NC 279) AT I-85 SB RAMPS (EXIT 20)
SIG ID 12-0194 (NEW HOPE RD. [NC 279] AT
I-85 SB RAMPS [EXIT 20])
SIG ID 12-1535 (NEW HOPE RD. [NC 279]
AT REMOUNT RD.)
CCTV CAMERA-37

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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FUSION

EXISTING

EXPRESS

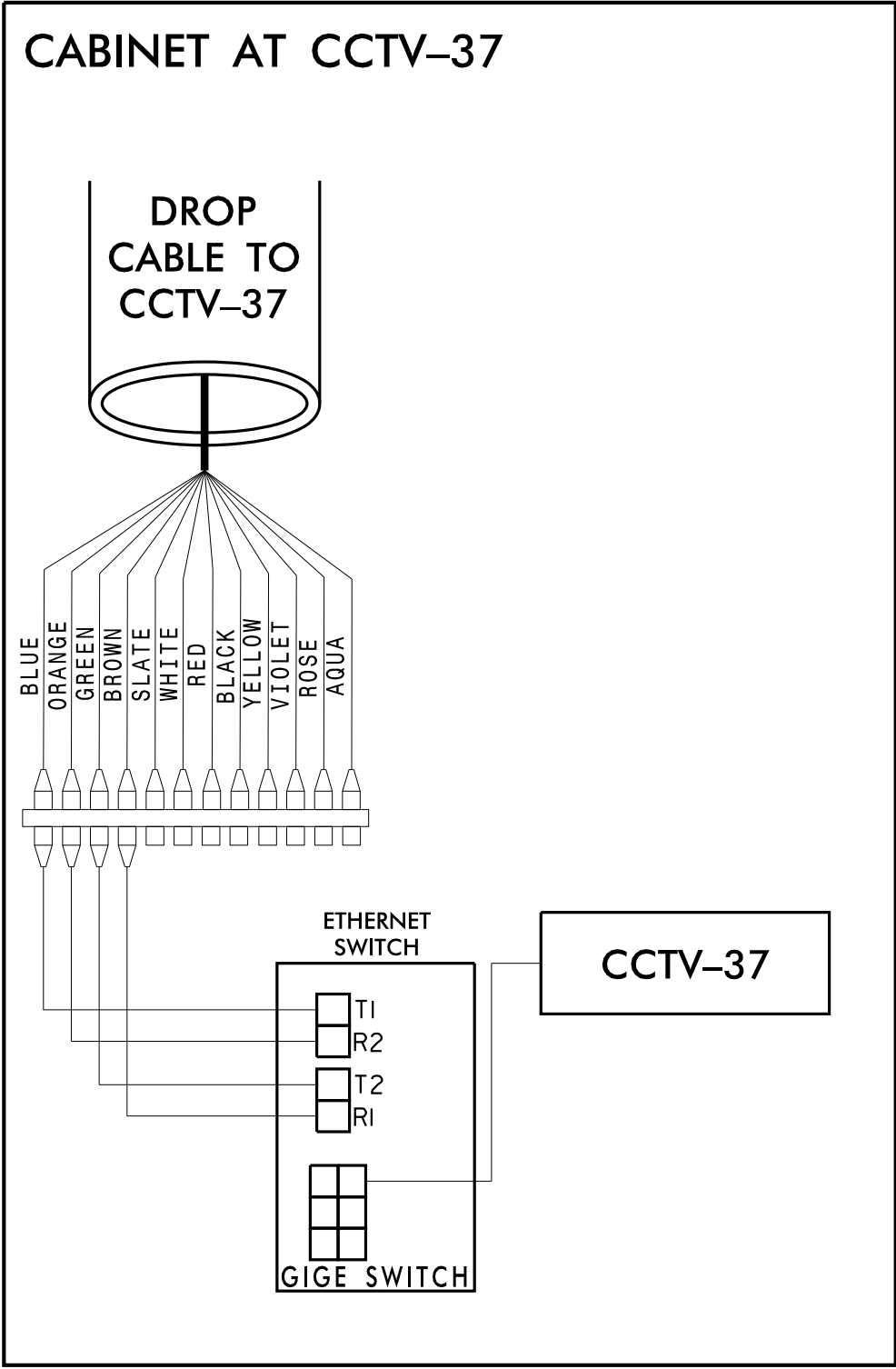
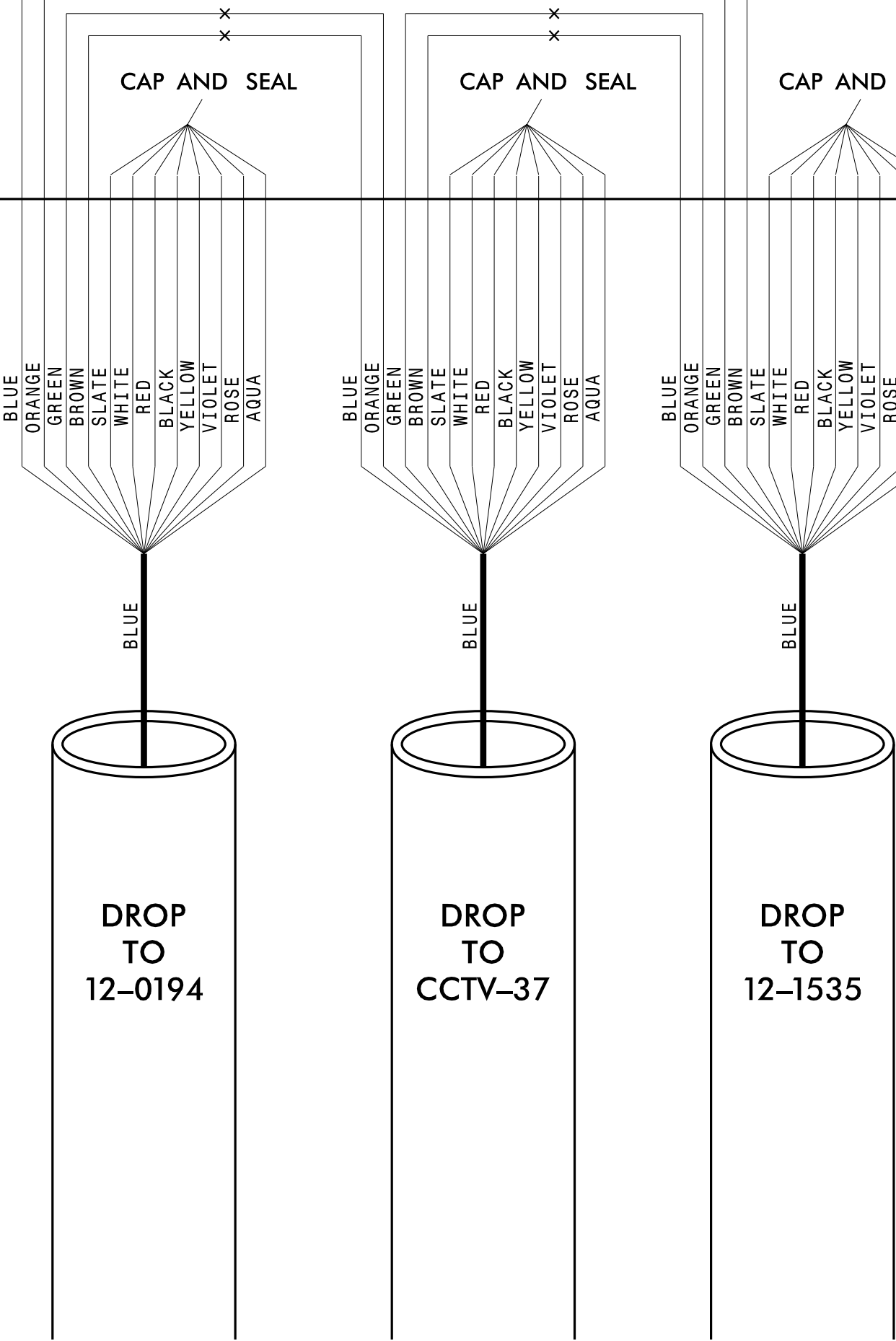
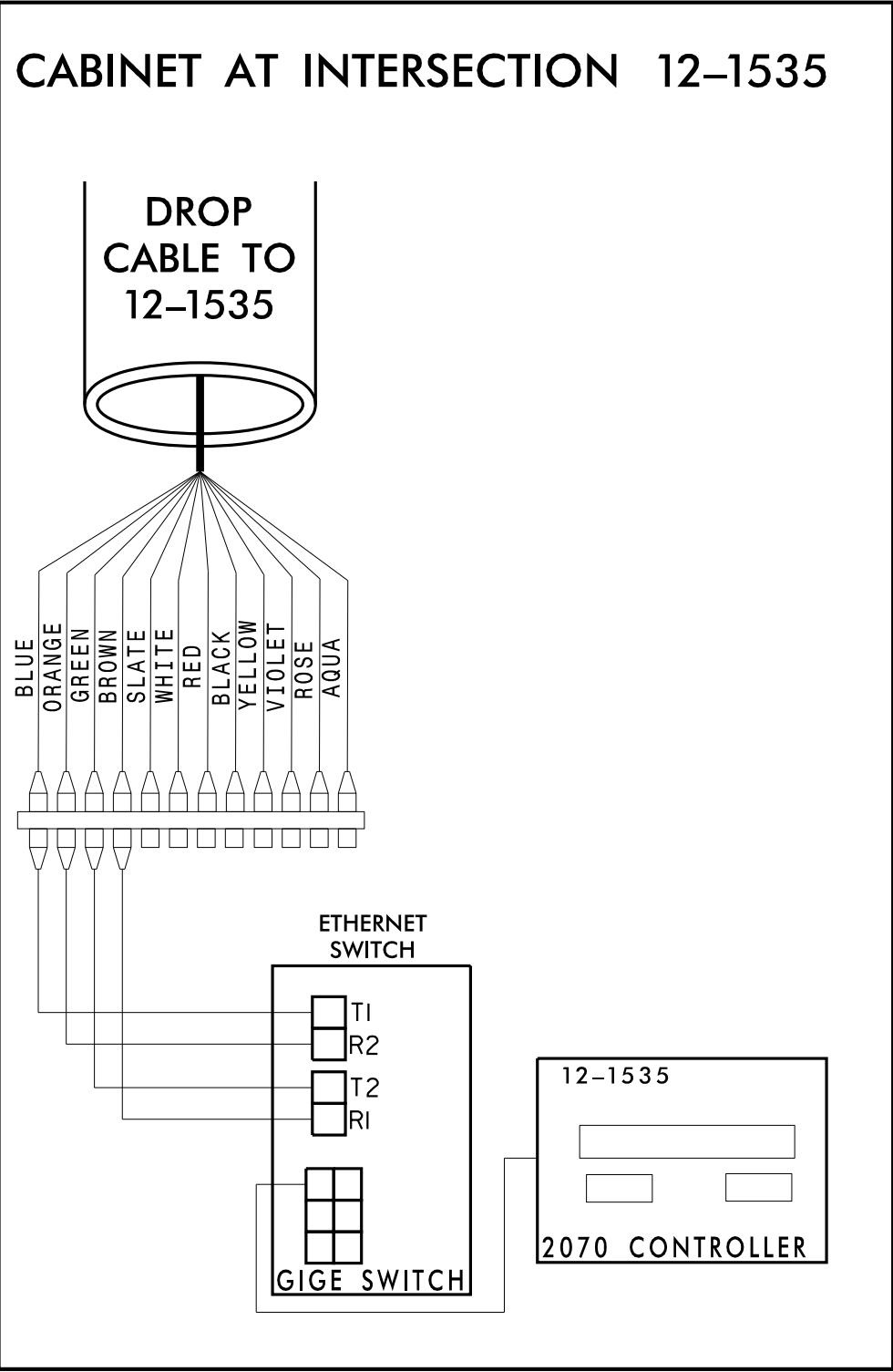
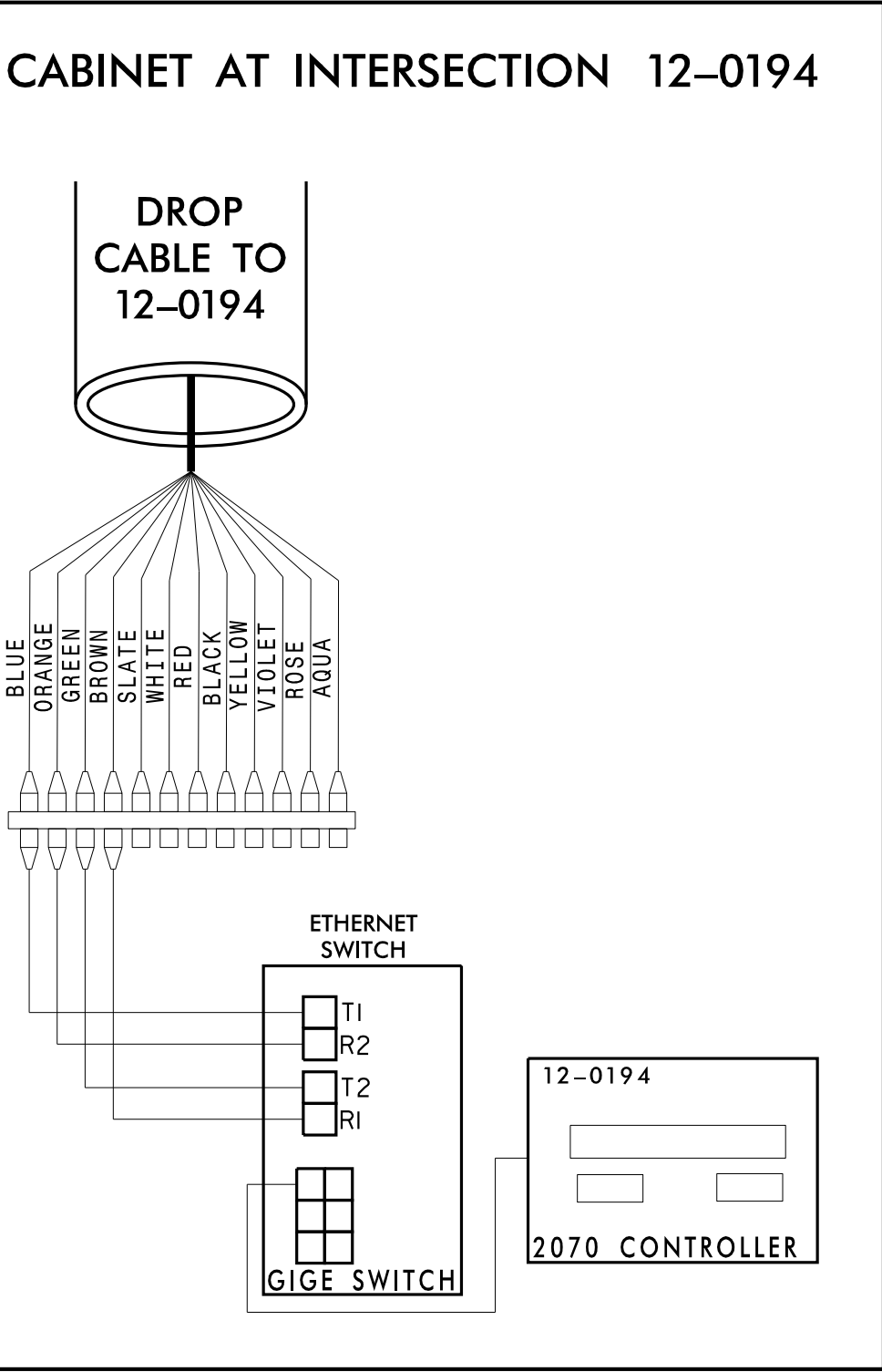
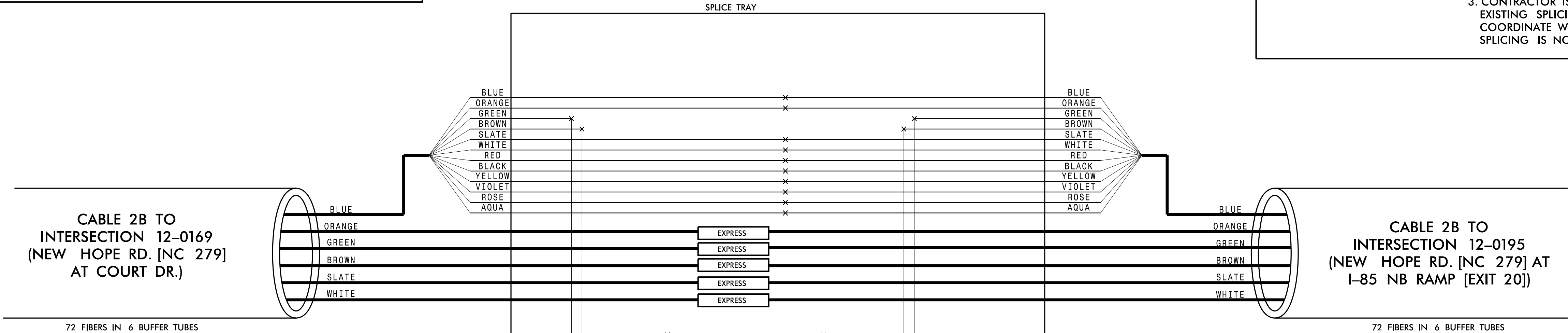
SPlice INDIVIDUAL FIBER

SPlice INDIVIDUAL FIBER

EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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Plans Prepared For:

750 N. Greenfield Place, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

0

SCALE

REVISIONS

INIT.

DATE

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL

3/16/2022

CADD File name:

CHANNEL 2
SPLICE ENCLOSURE AT
NEW HOPE RD. (NC 279) AT I-85 NB RAMPS (EXIT 20)
SIG ID 12-0195 (NEW HOPE RD. [NC 279] AT
I-85 NB RAMPS [EXIT 20])
SIG ID 12-0176 (NEW HOPE RD. [NC 279] AT
PEARL ST.)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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FUSION

EXISTING

EXPRESS

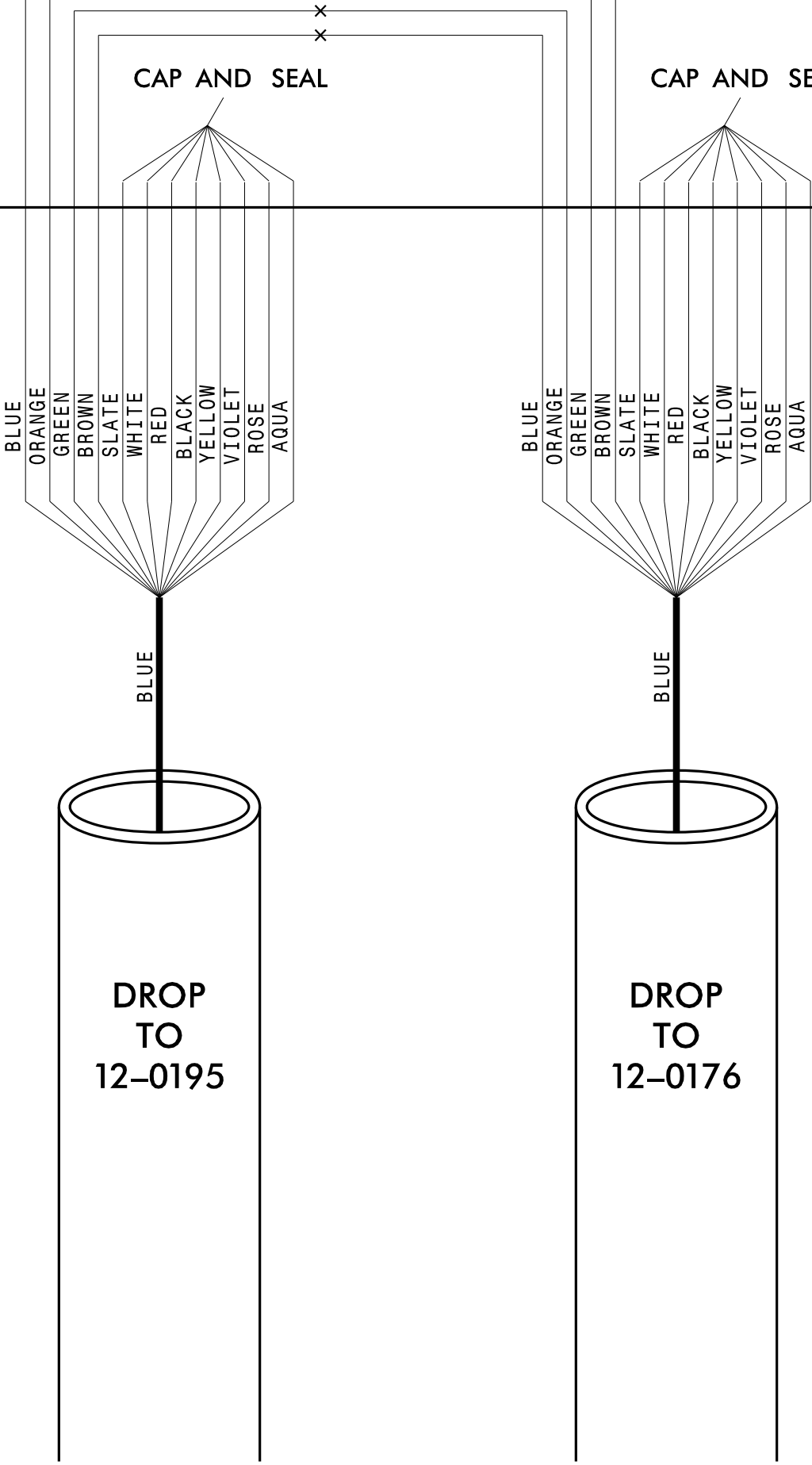
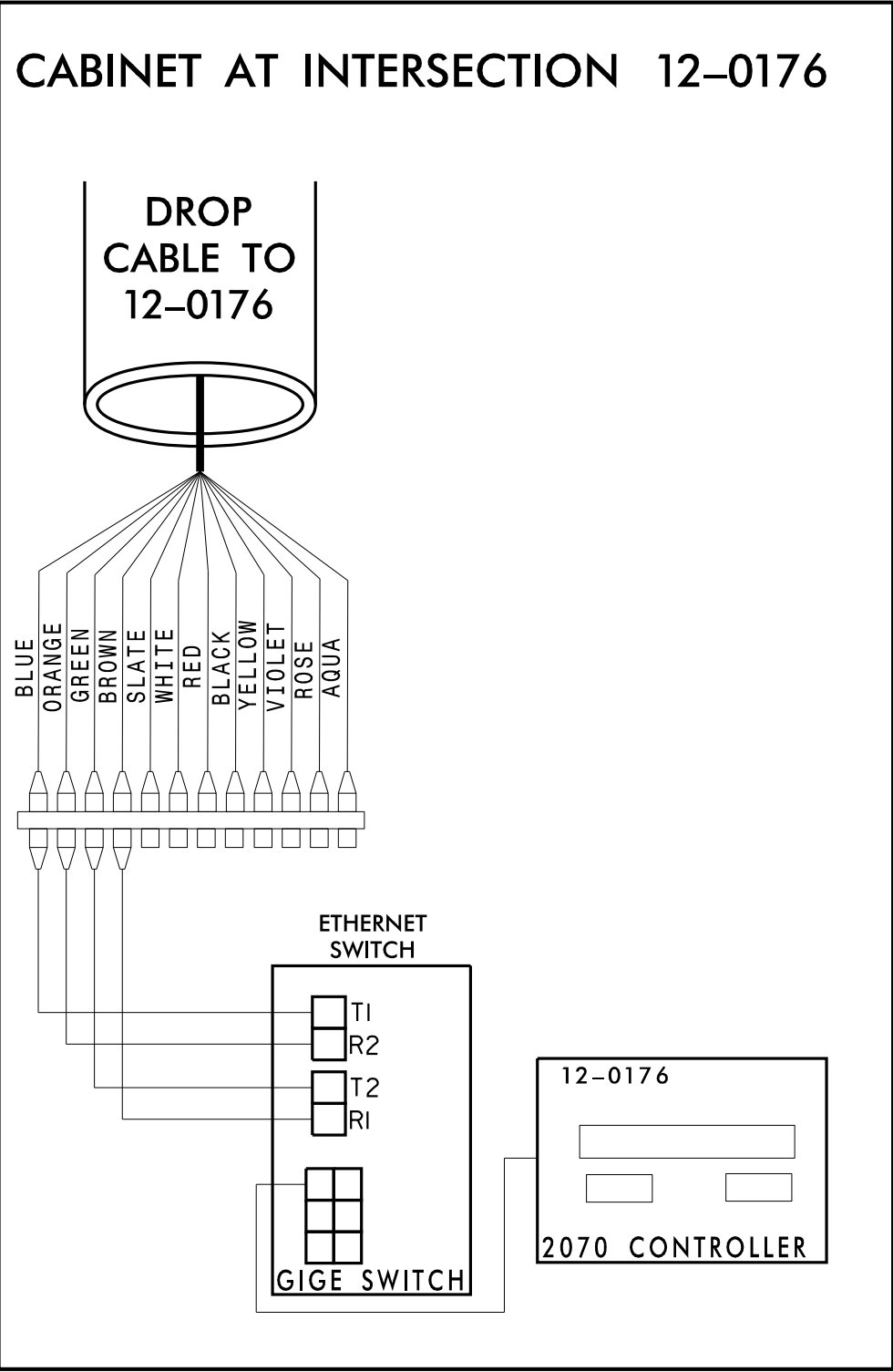
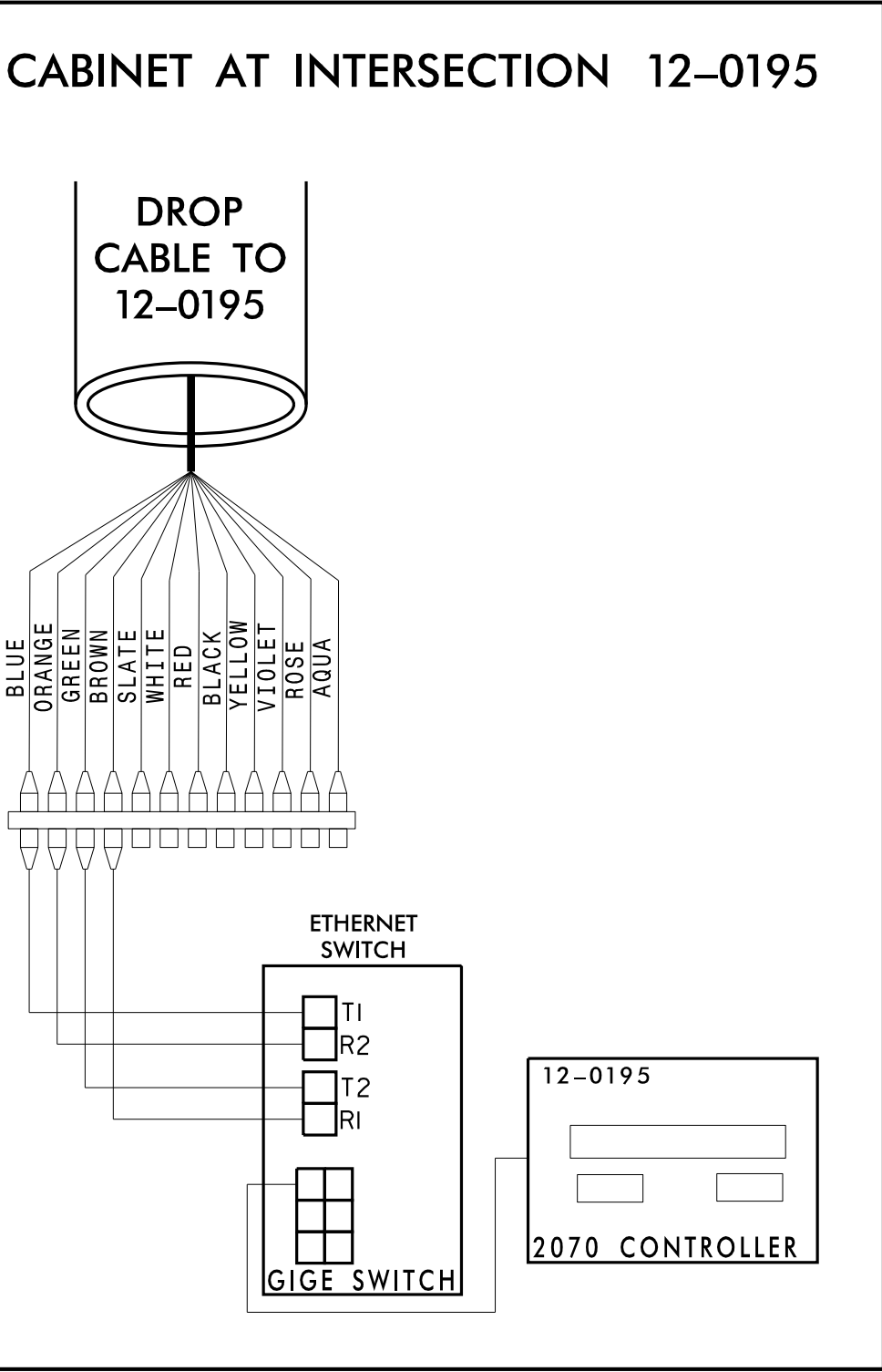
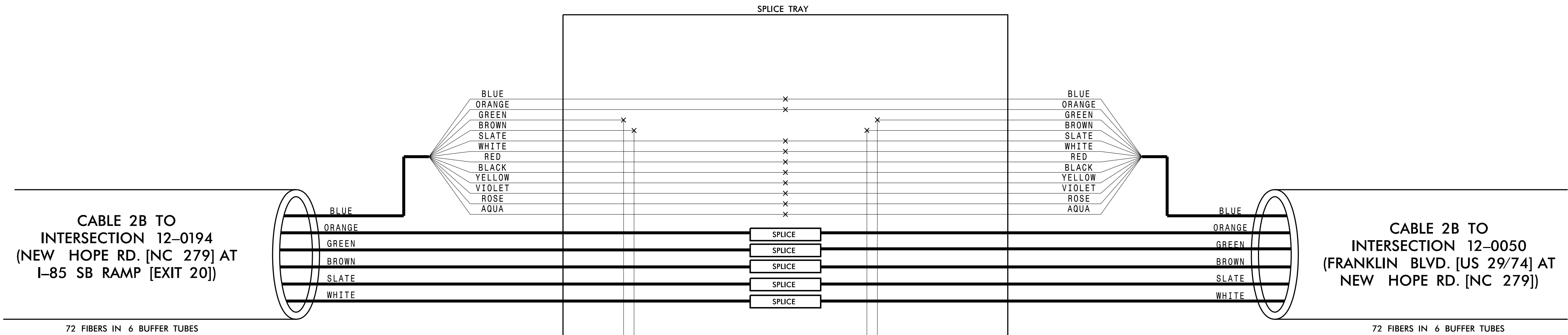
SPLICE INDIVIDUAL FIBER

SPLICE

EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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

SCALE
0

CHANNEL 2
CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPLICE DETAIL

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
NORTH CAROLINA
PROFESSIONAL
SEAL
028952
MICHAEL Z. VAN OSDELL
ENGINEER

Drawn/Signd by:
Inger Van Osdel

3/16/2022

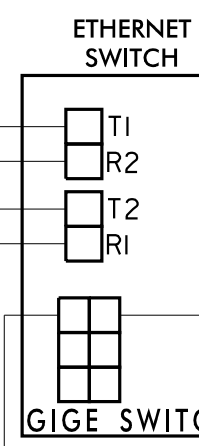
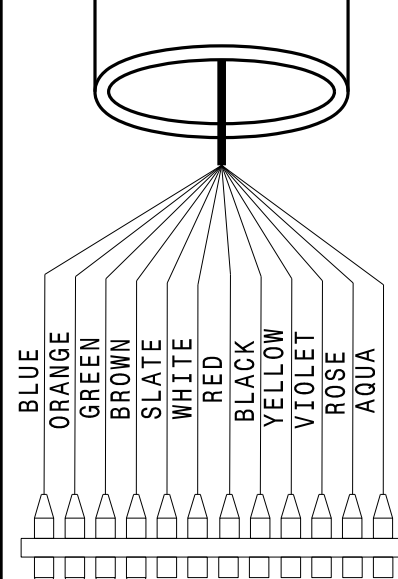
DATE

CADD Filename:

CABLE 4A TO
INTERSECTION 12-0049
(FRANKLIN BLVD. [US 29/74]
AT BEVERLY DR.)

72 FIBERS IN 6 BUFFER TUBES

DROP
CABLE TO
12-0050



12-0050

2070 CONTROLLER

CABLE 2B TO
INTERSECTION 12-0195
(NEW HOPE RD. [NC 279]
AT I-85 NB RAMP [EXIT 20])

72 FIBERS IN 6 BUFFER TUBES

SPLICE TRAY

CABLE 3A TO
INTERSECTION 12-0942
(FRANKLIN BLVD. [US 29/74]
AT W. CLUB CIR.)

48 FIBERS IN 4 BUFFER TUBES

CABLE 2C TO
INTERSECTION
12-0152
(NEW HOPE RD.
[NC 279] AT
BURTONWOOD DR

24 FIBERS IN 2 BUFFER TUBES

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
--------------------------	-----------------------

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

REVISIONS	INIT.	DATE
-----------	-------	------

Kimley»Horn

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

SFAI



DocuSigned by:

Inger VanOsdel 3/16/2022

8CC23103EDC412	SIGNATURE	DATE
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CADD File name:

CHANNEL 2
SPLICE ENCLOSURE AT
NEW HOPE RD. (NC 279) AT
BURTONWOOD DR.
SIG ID 12-0152 (NEW HOPE RD. [NC 279]
AT BURTONWOOD DR.)
SIG ID 12-1354 (NEW HOPE RD. [NC 279]
AT COUNTRY CLUB RD.)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X - FUSION SPlice INDIVIDUAL FIBER

O - EXISTING SPlice

□ - EXPRESS INDIVIDUAL FIBER

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

SPlice

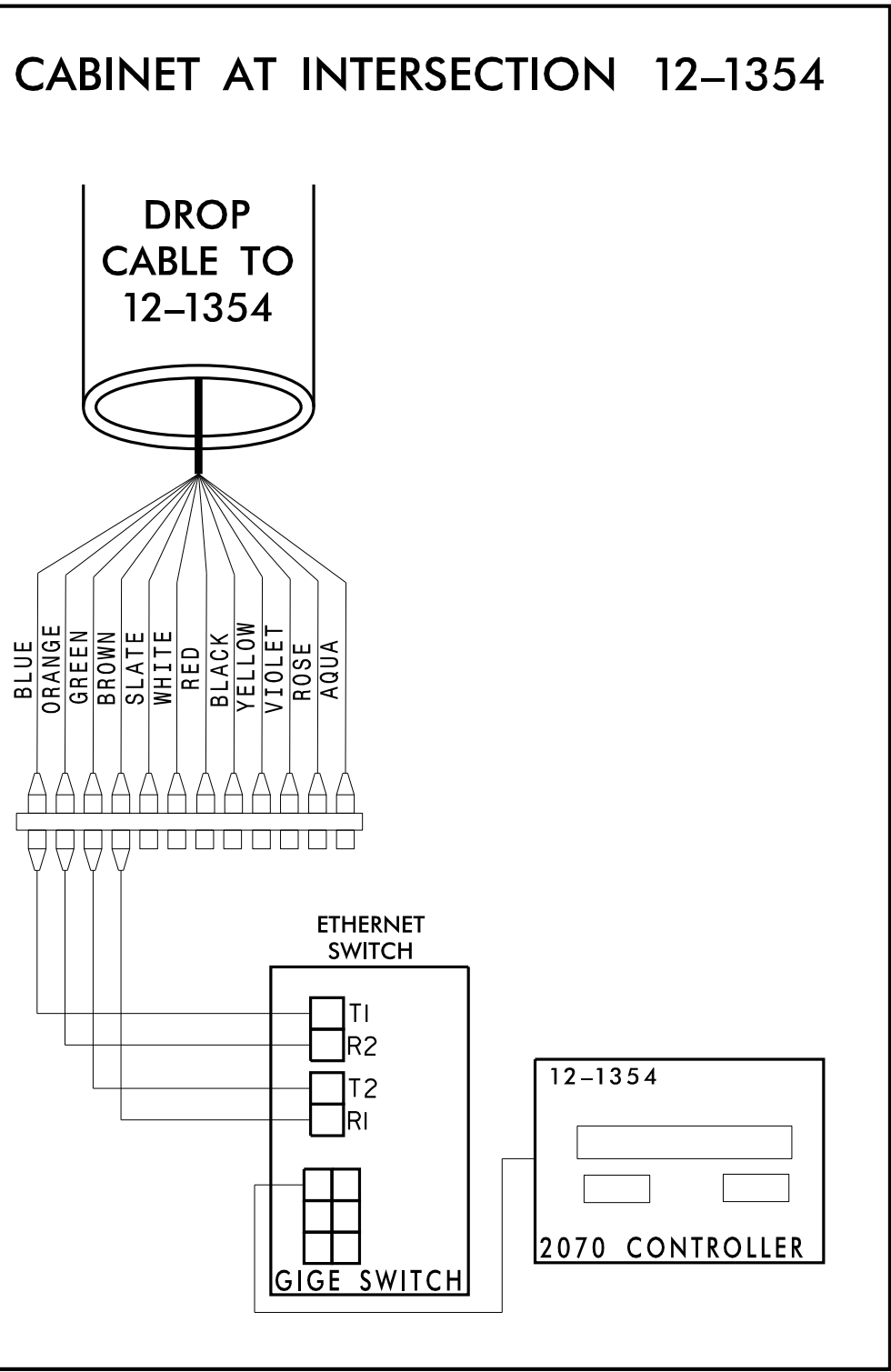
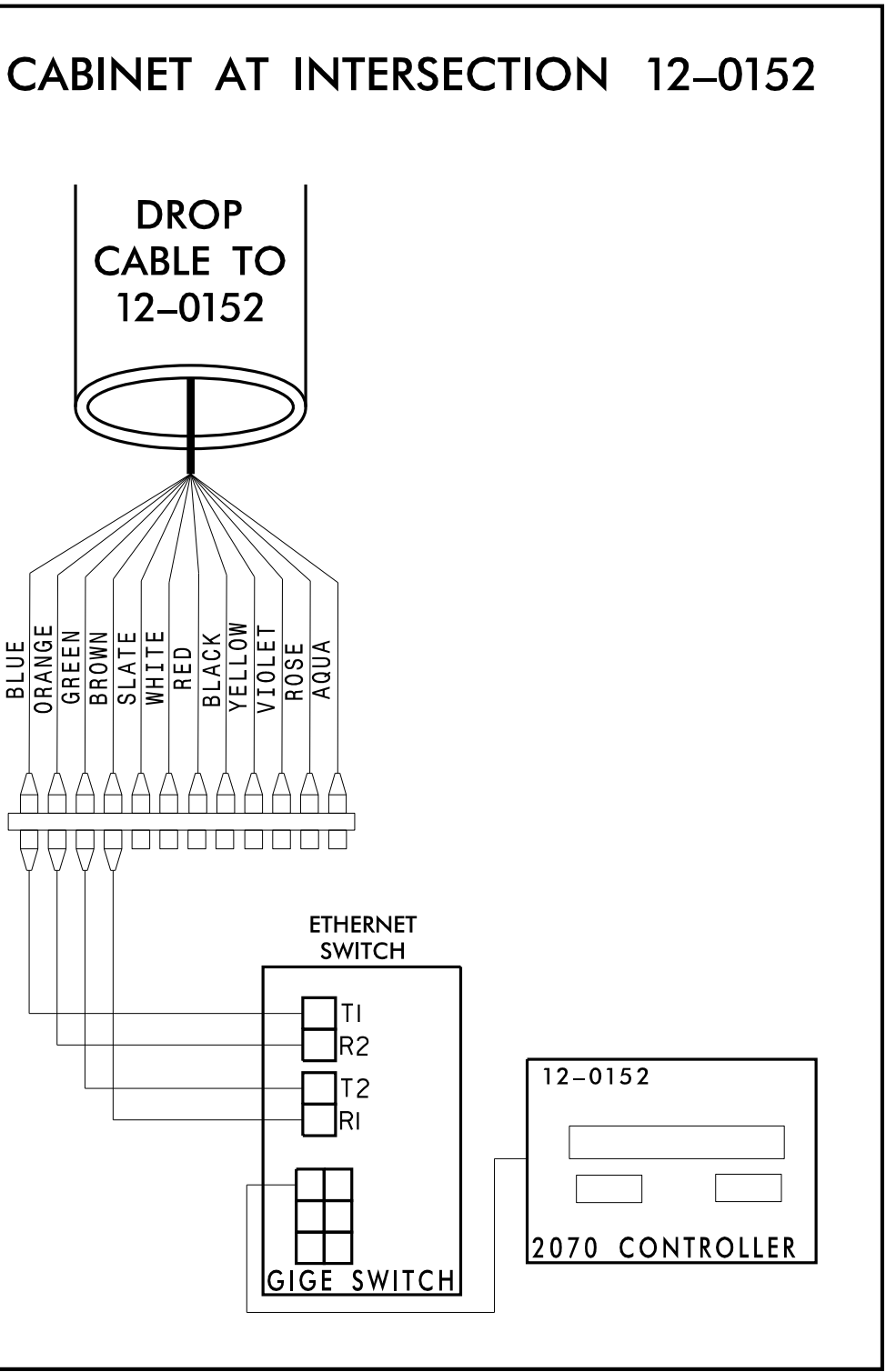
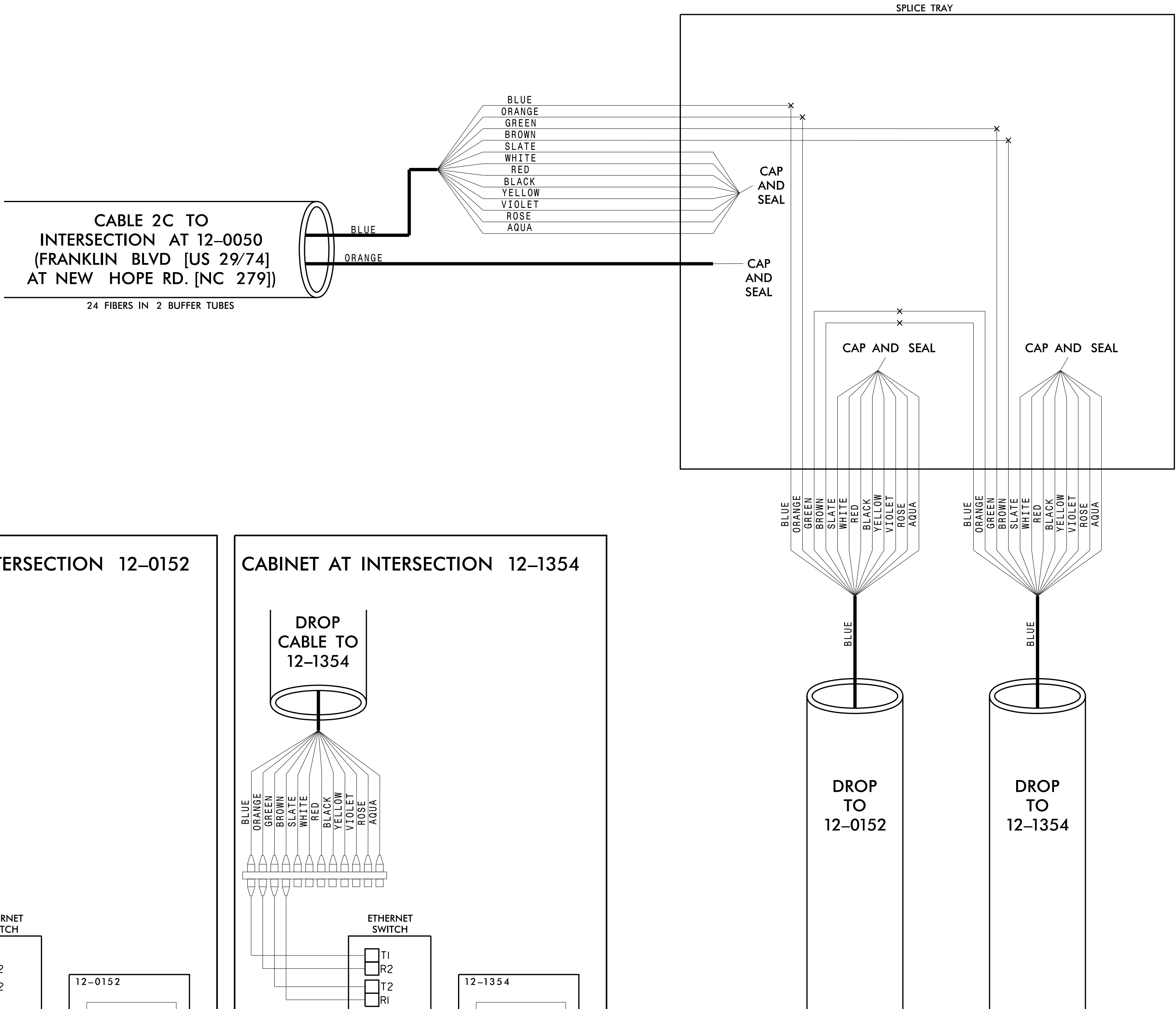
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

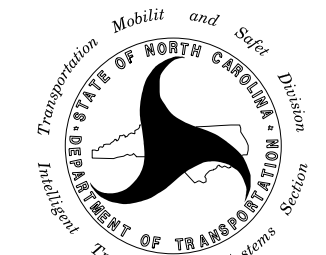
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Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021


REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

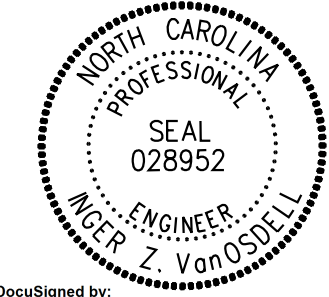
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SCALE



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

SEAL



North Carolina Professional Engineer
SEAL 028952
MICHAEL Z. VAN OSDELL

Signature of Iger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 3
SPLICE ENCLOSURE AT
(ABERDEEN BLVD. AT REMOUNT RD.)
SIG ID CITY-07

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

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FUSION SPLICE INDIVIDUAL FIBER

EXISTING SPLICE

EXPRESS INDIVIDUAL FIBER

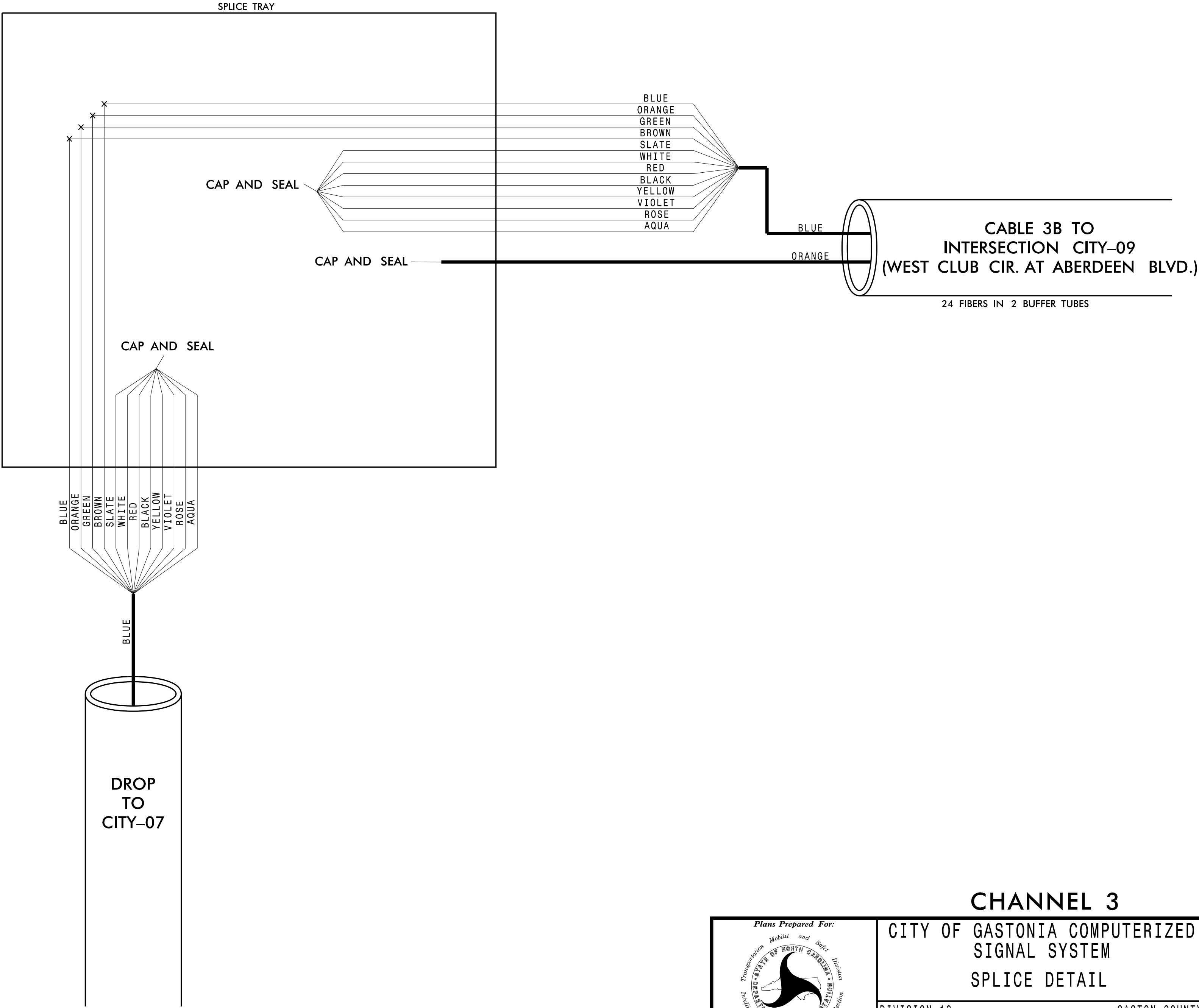
EXPRESS

SPLICE

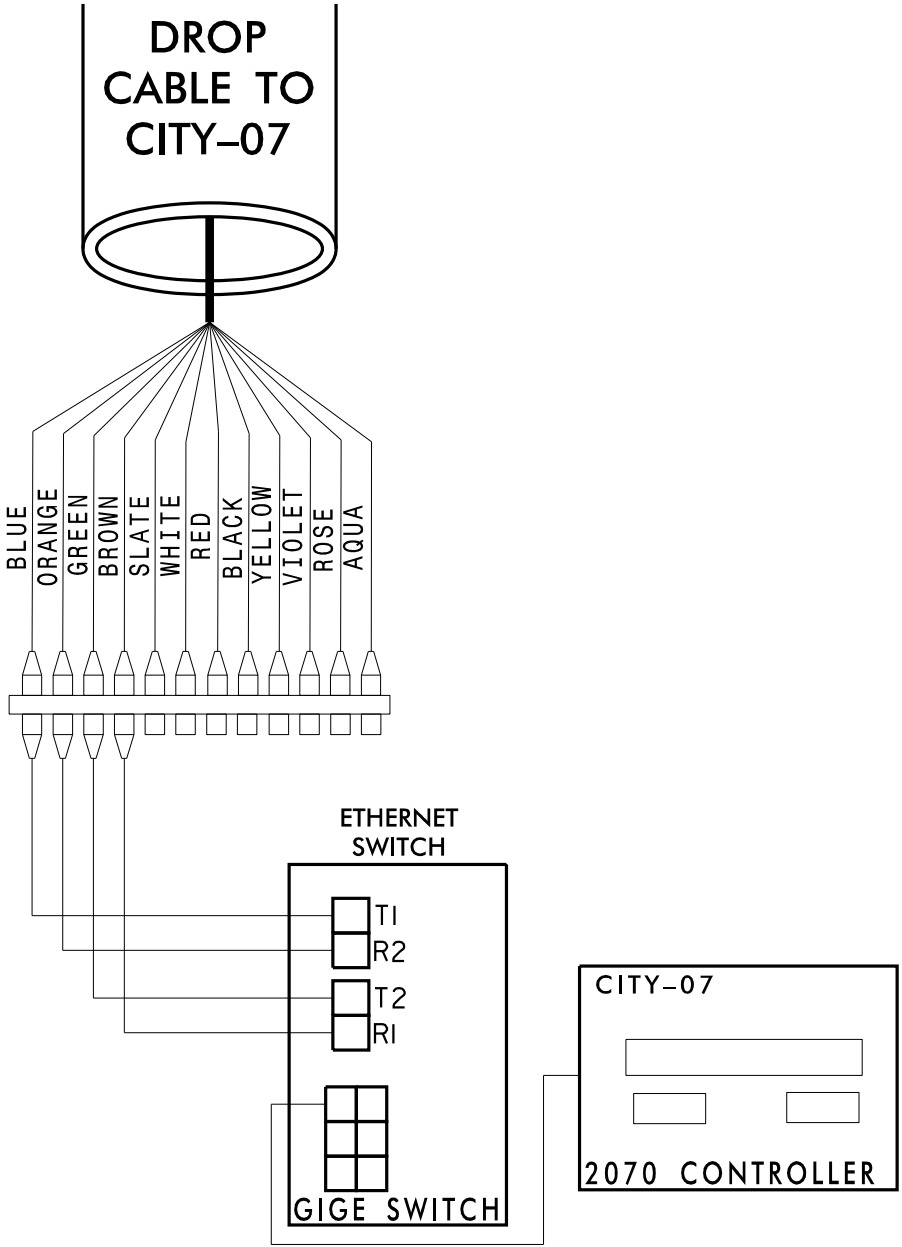
EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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CABINET AT INTERSECTION CITY-07



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

750 N. Greenfield Pkwy., Garner, NC 27529

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

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

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

INCE Z. VAN OSDELL

Signature

3/16/2022

DATE

CADD Filename:

3/15/2022 \\kimley-horn.com\SE\RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL019.dgn

CHANNEL 3
SPLICE ENCLOSURE AT
(WEST CLUB CIR. AT ABERDEEN BLVD.)
SIG ID CITY-09

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X - FUSION SPlice INDIVIDUAL FIBER

O - EXISTING SPlice

□ - EXPRESS INDIVIDUAL FIBER

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

SPlice

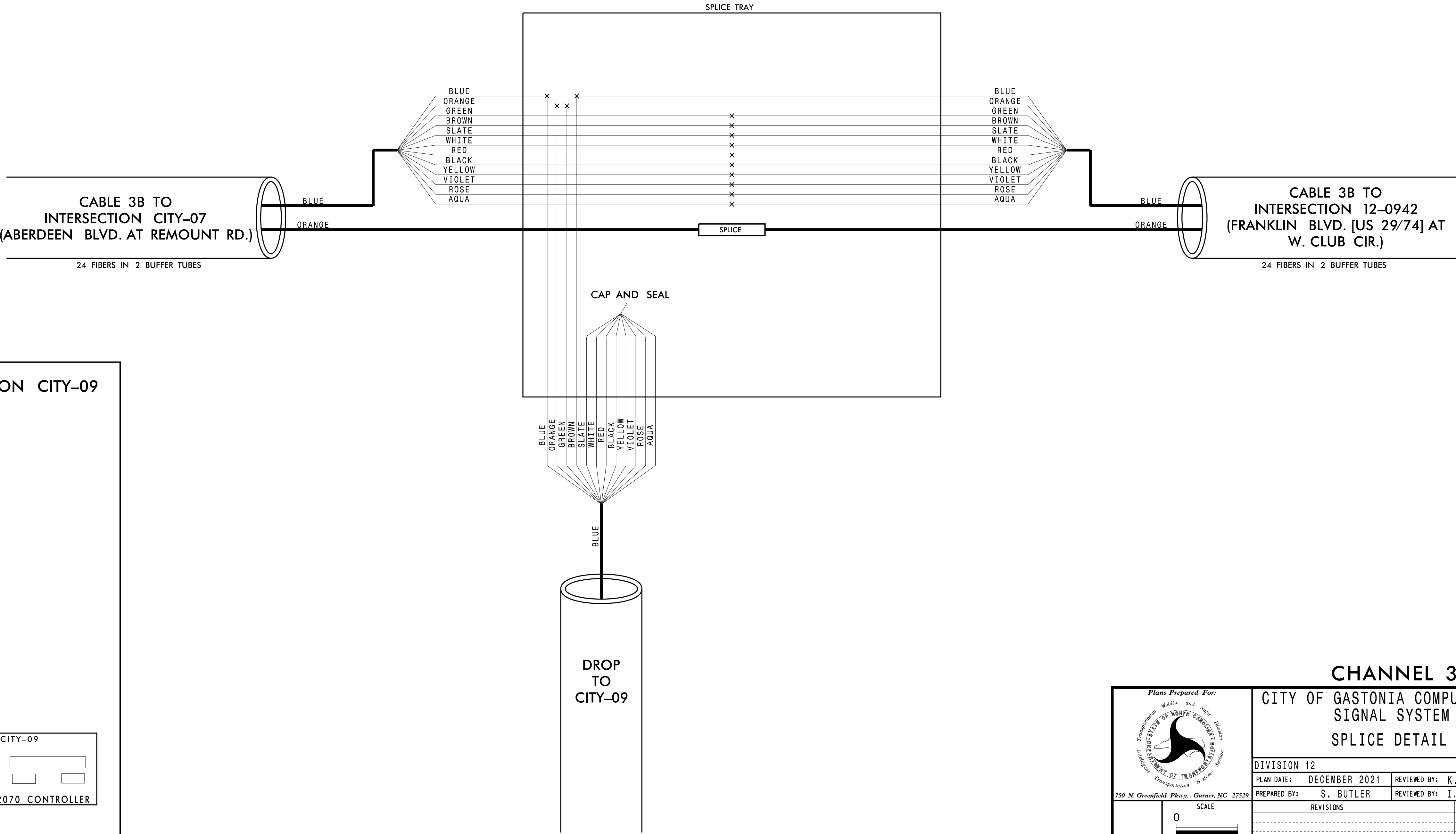
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

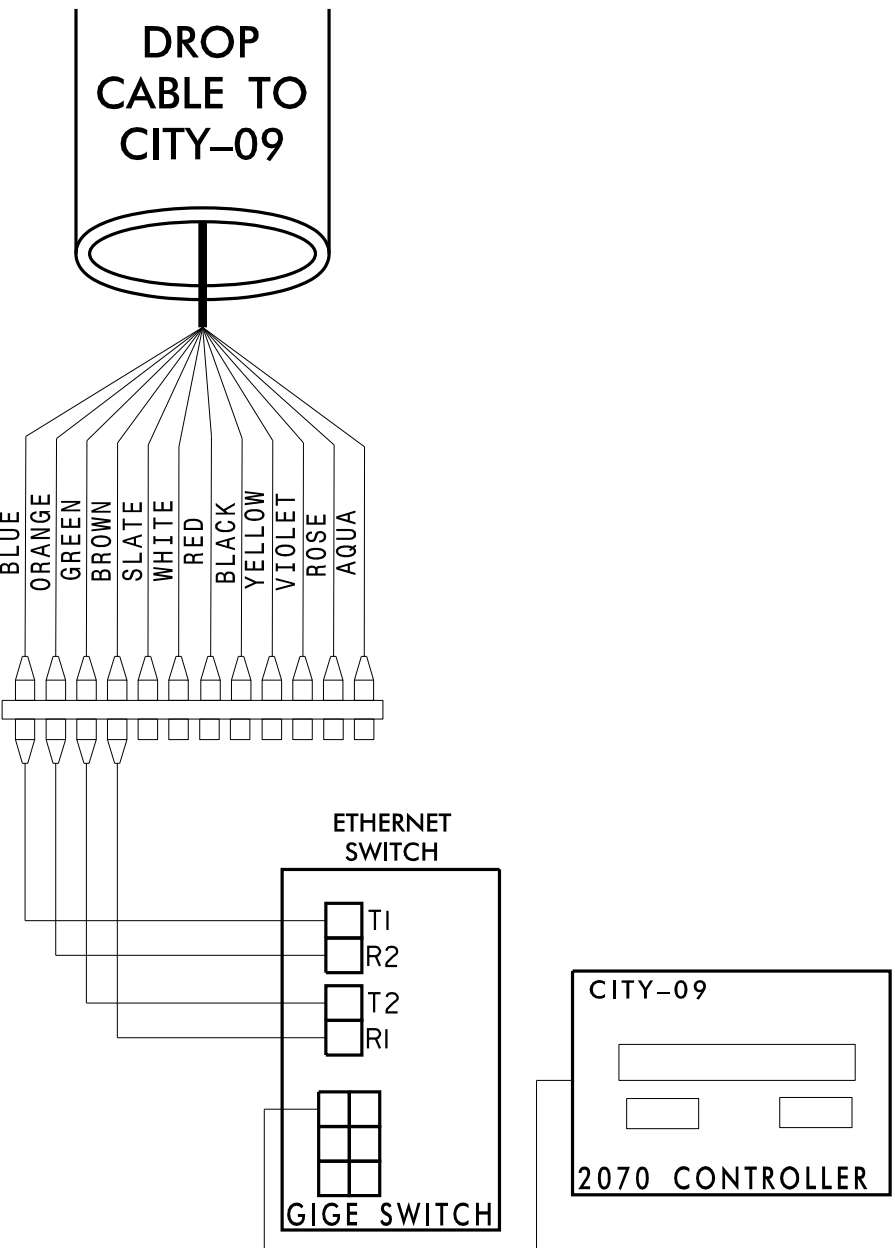
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY - ACTUAL EQUIPMENT FORM MAY VARY.

2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.

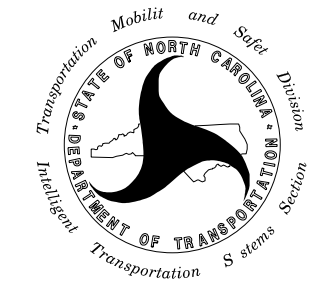
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPlicing. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPlicing IS NOT AS EXPECTED.



CABINET AT INTERSECTION CITY-09



Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

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

1

NC License #F-0102

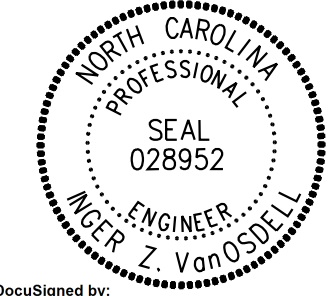
421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL



North Carolina Professional Engineer

SEAL 028952

Kimley-Horn

3/16/2022

DATE

CADD Filename:

CHANNEL 3
SPlice ENCLOSURE AT
(FRANKLIN BLVD. [US 29/74] AT
W. CLUB CIR.)
SIG ID 12-0942

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

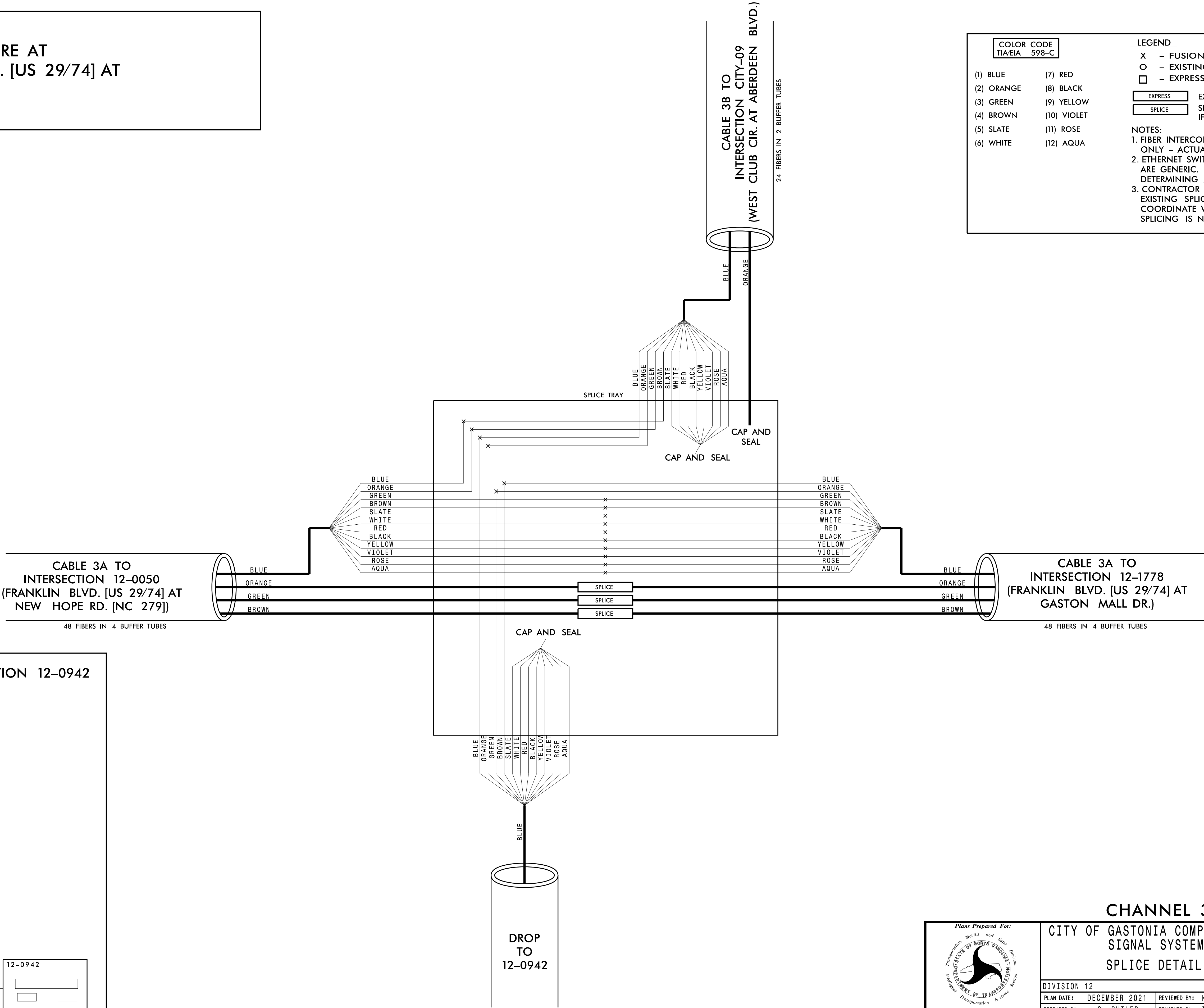
EXPRESS

SPlice

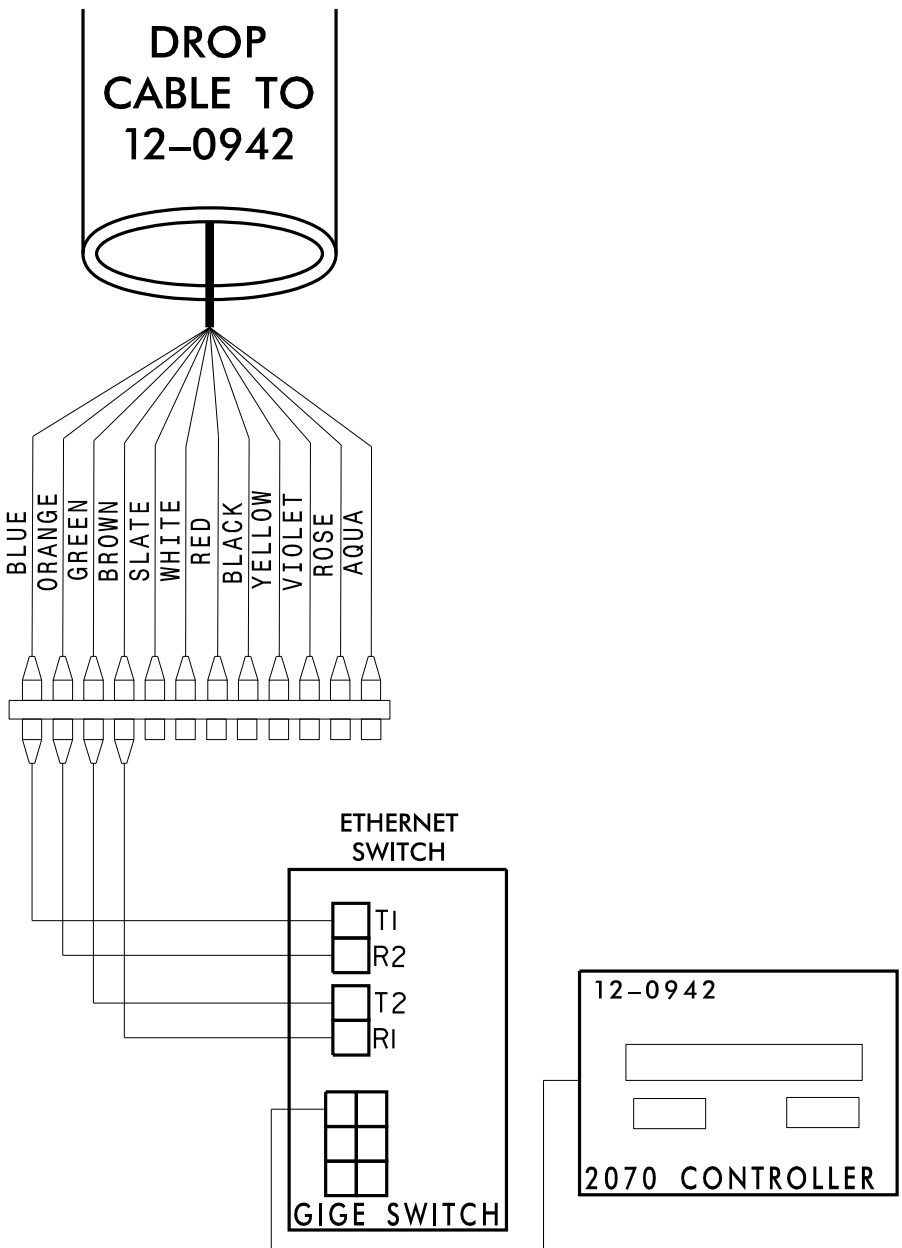
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:
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CABINET AT INTERSECTION 12-0942



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

750 N. Greenfield Pkwy., Garner, NC 27529

750 N. Greenfield Pkwy., Garner, NC 27529

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

DIVISION 12
PLAN DATE: DECEMBER 2021
PREPARED BY: S. BUTLER

GASTON COUNTY
REVIEWED BY: K. SMITH
REVIEWED BY: I. VAN OSDELL

REVISIONS
INIT.
DATE

SCALE
0

DATE
3/16/2022

Kimley»Horn

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

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

DocuSigned by:
Inger Van Osdel
DATE
CADD Filename:

CHANNEL 3
SPlice ENCLOSURE AT
(FRANKLIN BLVD. [US 29/74]
AT GASTON MALL DR.)
SIG ID 12-1778

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X - FUSION SPlice INDIVIDUAL FIBER

O - EXISTING SPlice

□ - EXPRESS INDIVIDUAL FIBER

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

SPlice

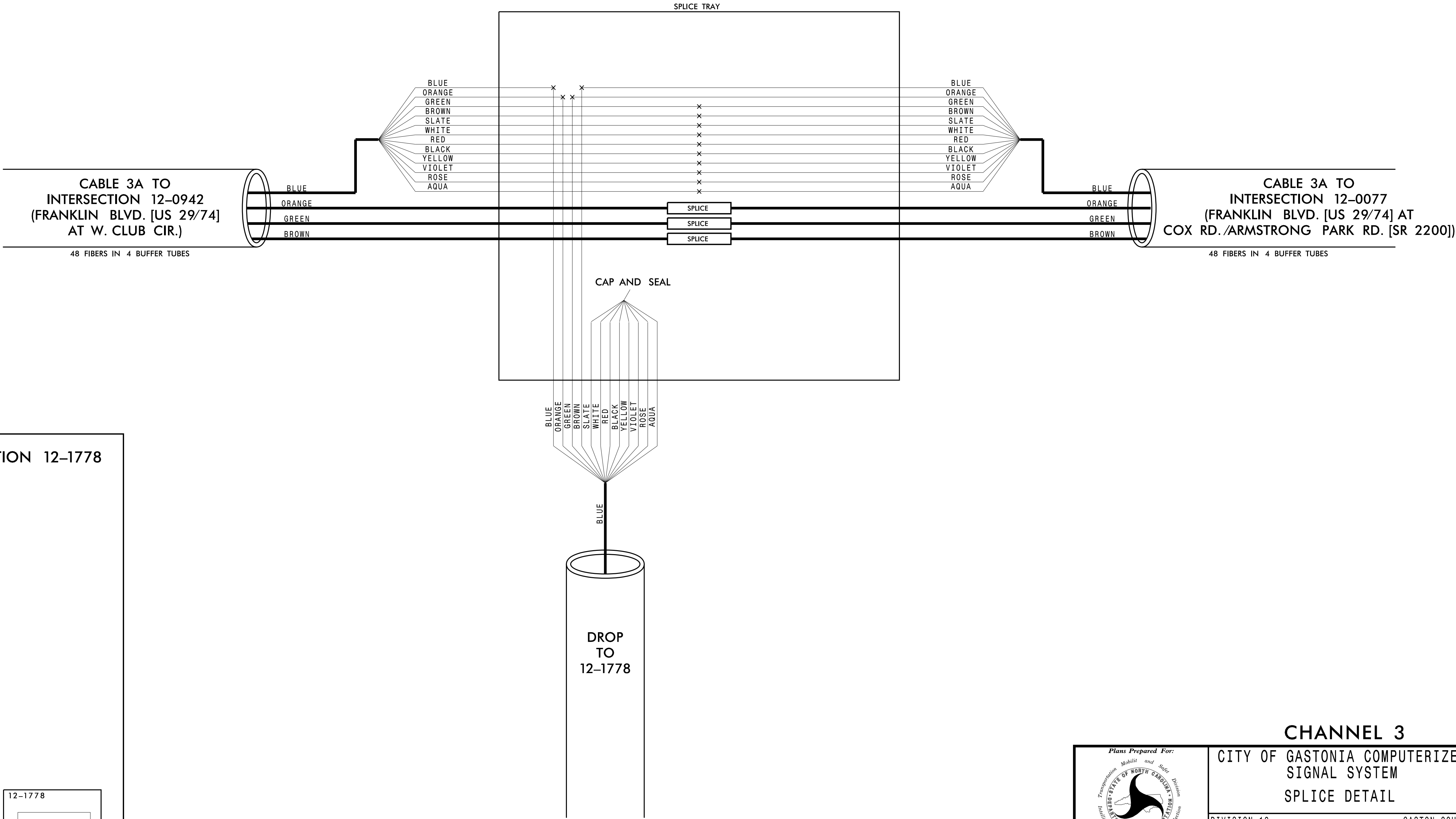
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

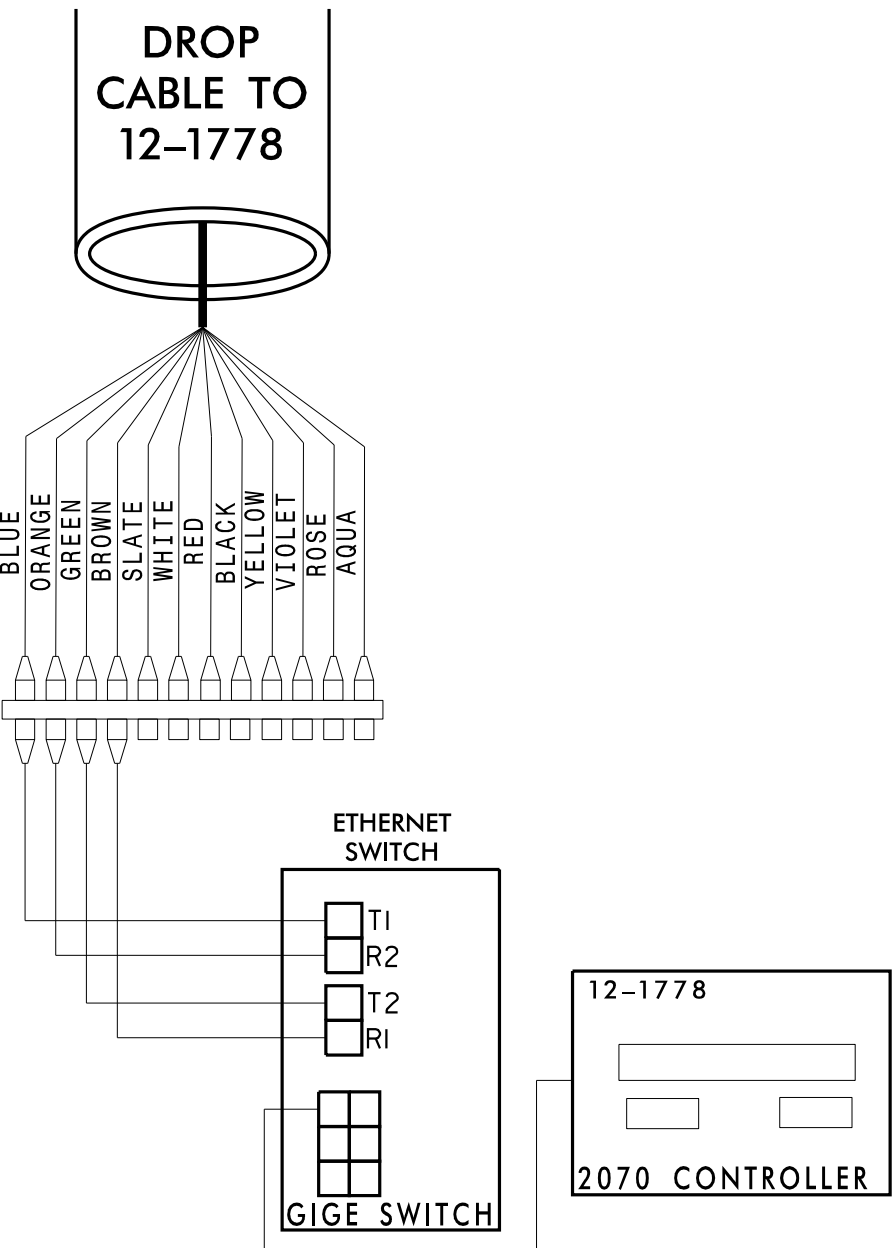
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CABINET AT INTERSECTION 12-1778



CHANNEL 3

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL



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

REVISIONS	INIT.	DATE

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

SEAL

SEAL

028952

PROFESSIONAL ENGINEER

INCE Z. VAN OSDELL

Drawn/Signed by:

Inger Van Osdel

3/16/2022

DATE

CADD Filename:



CHANNEL 3
SPLICE ENCLOSURE AT
COX RD. (SR 2200) AT I-85 NB RAMP (EXIT 21)
SIG ID 12-1086 (COX RD. [SR 2200] AT
I-85 NB RAMP [EXIT 21])
SIG ID 12-0902 (COX RD. [SR 2200] AT
I-85 SB RAMP [EXIT 21])
CCTV CAMERA-35

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X - FUSION SPlice INDIVIDUAL FIBER

O - EXISTING SPlice

□ - EXPRESS INDIVIDUAL FIBER

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

SPlice

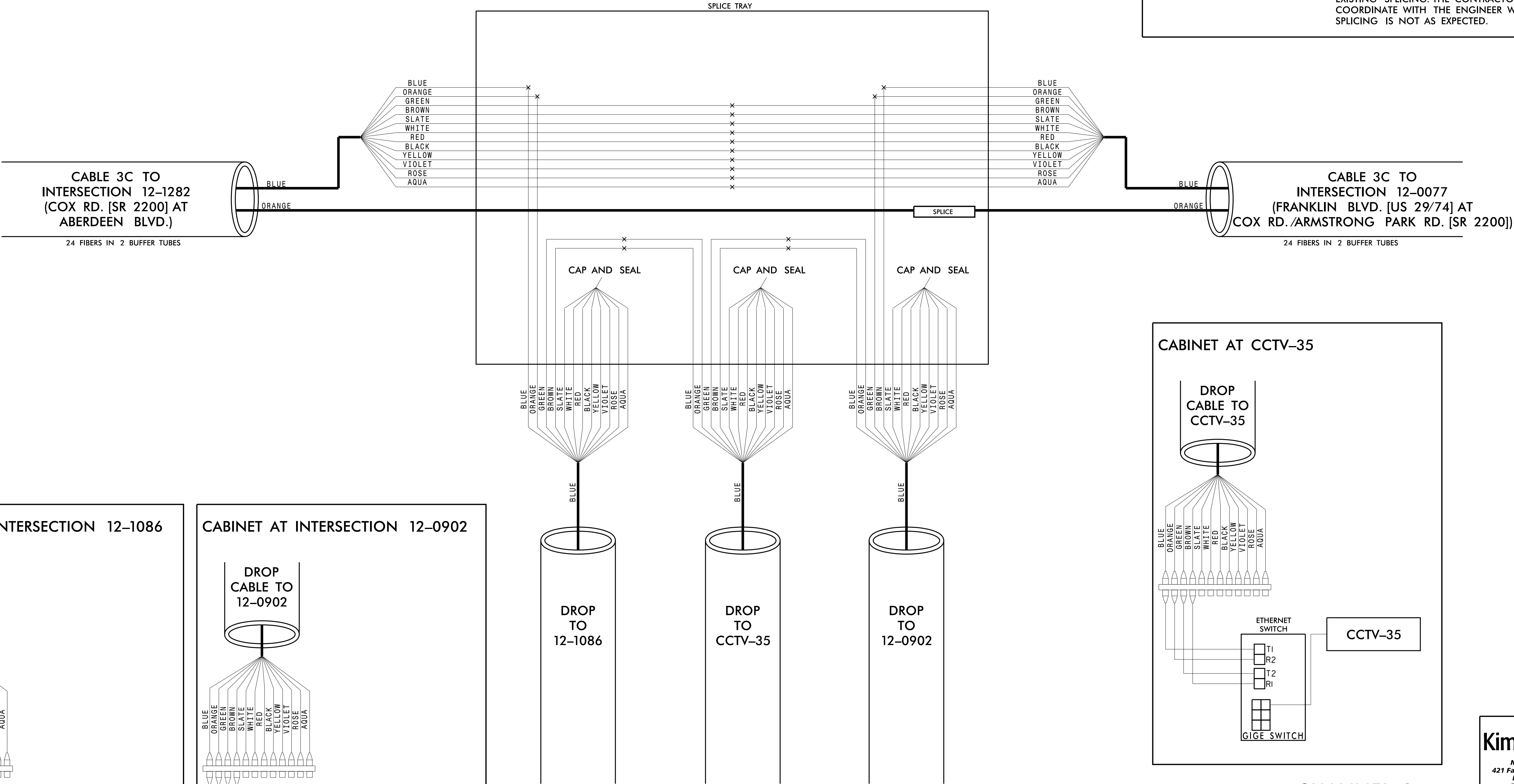
SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

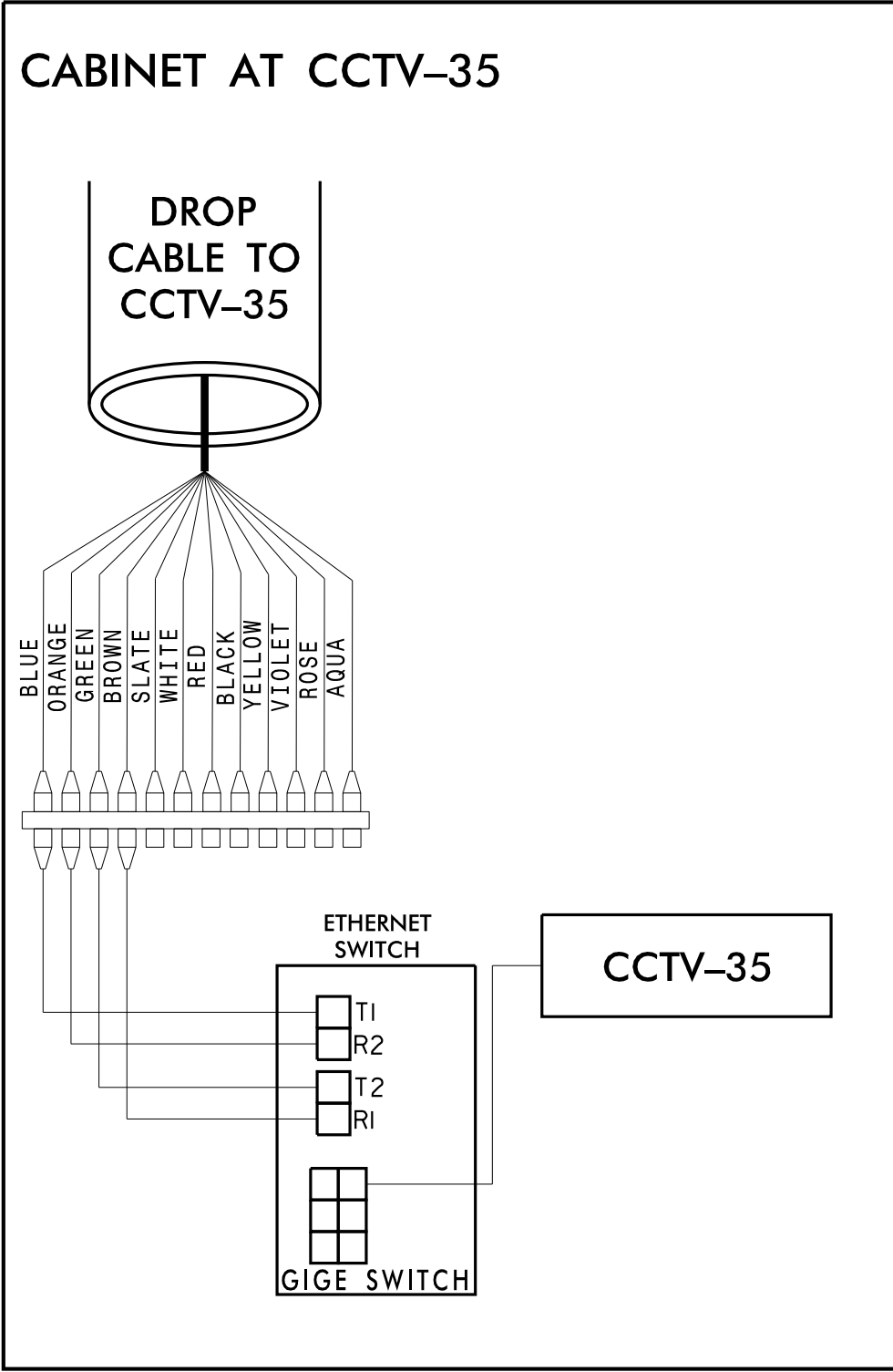
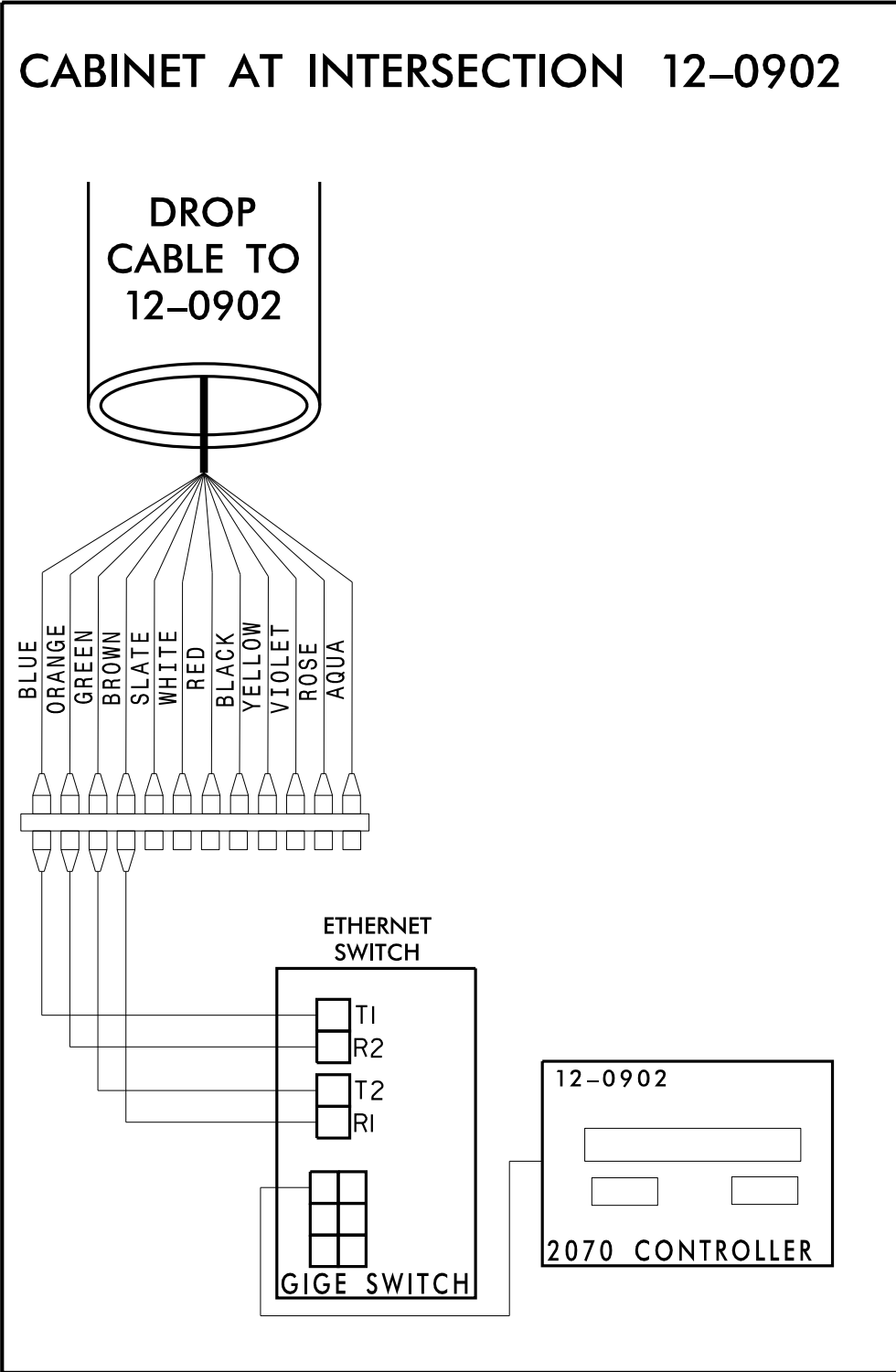
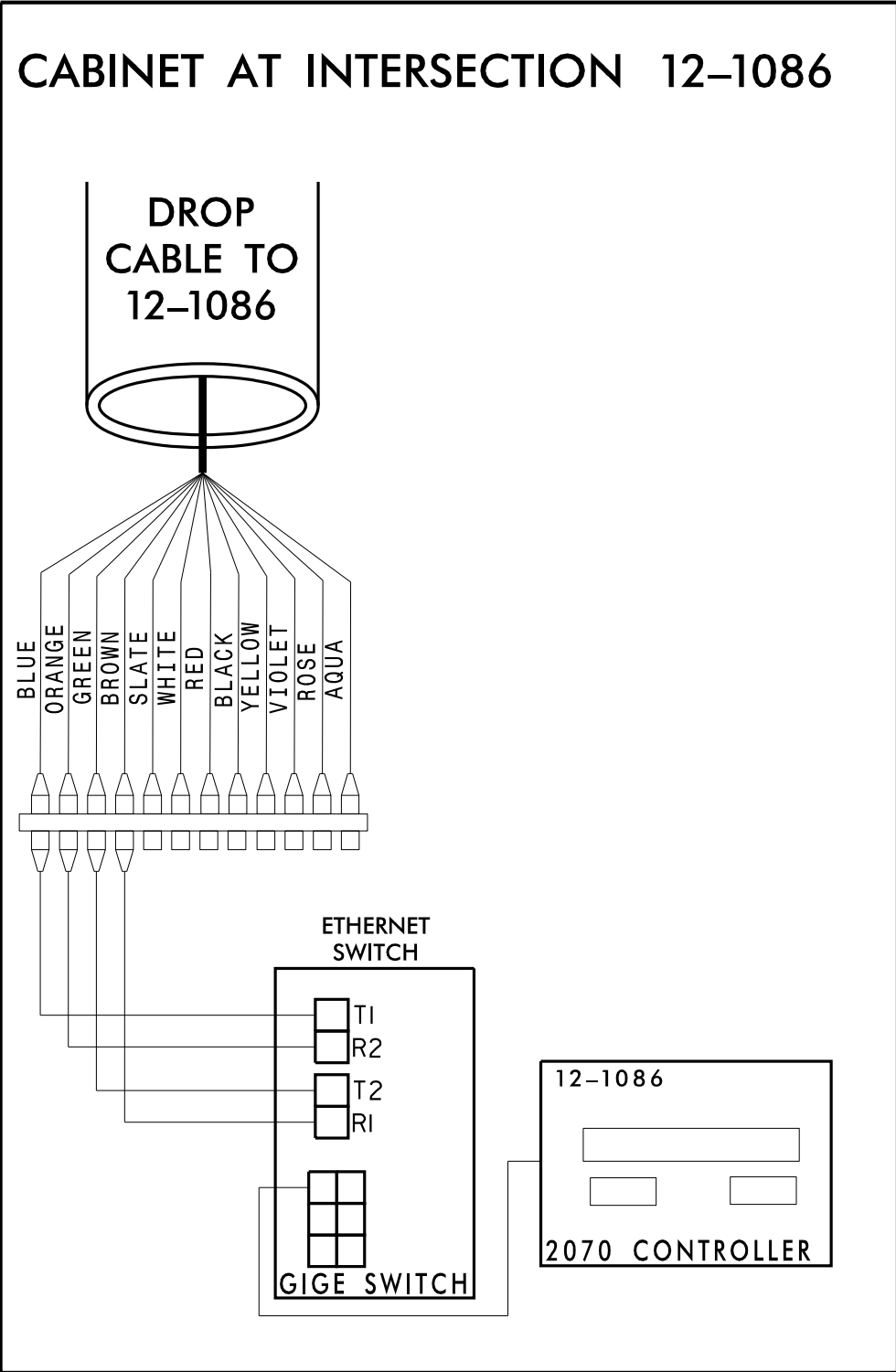
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3/15/2022
\\kimley-horn.com\SE-RAL\NRA\1-PTD\1-ITS\01036569 Gastonia Signal System\6 Tasks\Splicing SPL024.dgn



Plans Prepared For:
CITY OF GASTONIA
Department of Transportation
750 N. Greenfield Place, Gastonia, NC 27639

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPLICE DETAIL

DIVISION 12
PLAN DATE: DECEMBER 2021
PREPARED BY: S. BUTLER

GASTON COUNTY
REVIEWED BY: K. SMITH
REVIEWED BY: I. VAN OSDELL

0
SCALE

REVISIONS
INIT.
DATE

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
ENGINEER
MICHAEL Z. VAN OSDELL

Drawn/Signd by:
Inger Van Osdel
DATE
3/16/2022
CADD Filename:

CHANNEL 3
SPLICE ENCLOSURE AT
(COX RD. [SR 2200] AT ABERDEEN BLVD.)
SIG ID 12-1282

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

FUSION SPLICE INDIVIDUAL FIBER

EXISTING SPLICE

EXPRESS INDIVIDUAL FIBER

EXPRESS

SPLICE

EXPRESS ENTIRE BUFFER TUBE

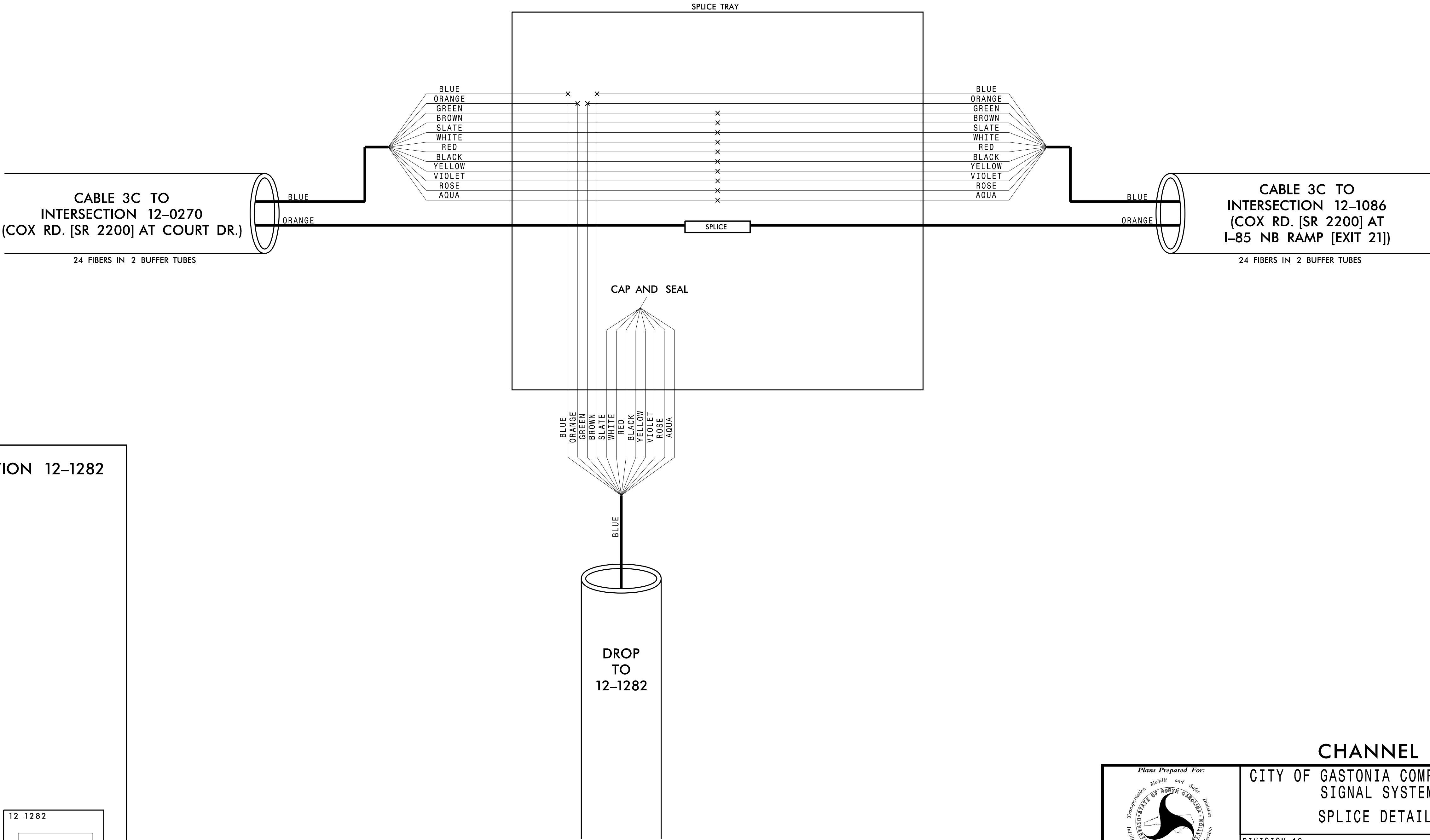
SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

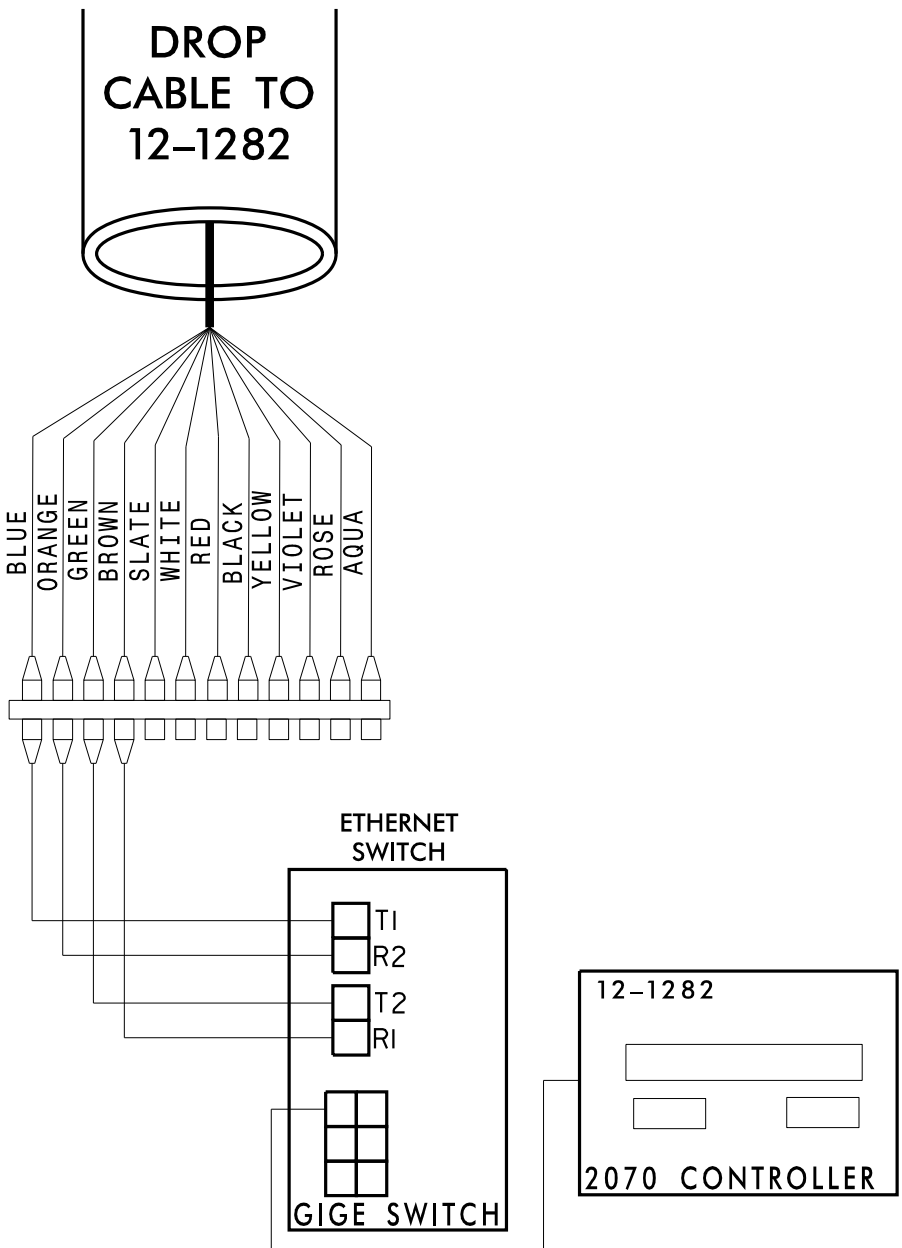
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CABINET AT INTERSECTION 12-1282



CHANNEL 3

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPLICE DETAIL

Plans Prepared For:

Division of Transportation

Department of Transportation

8 State Station

750 N. Greenfield Pkwy., Garner, NC 27529

3/16/2022

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

REVISIONS	INIT.	DATE

SCALE
0

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

SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

028952

INCE. Z. VAN OSDELL

ENGINEER

Drawn/Signed by:

Inger Van Osdel

3/16/2022

REVISIONS

DATE

CADD Filename:

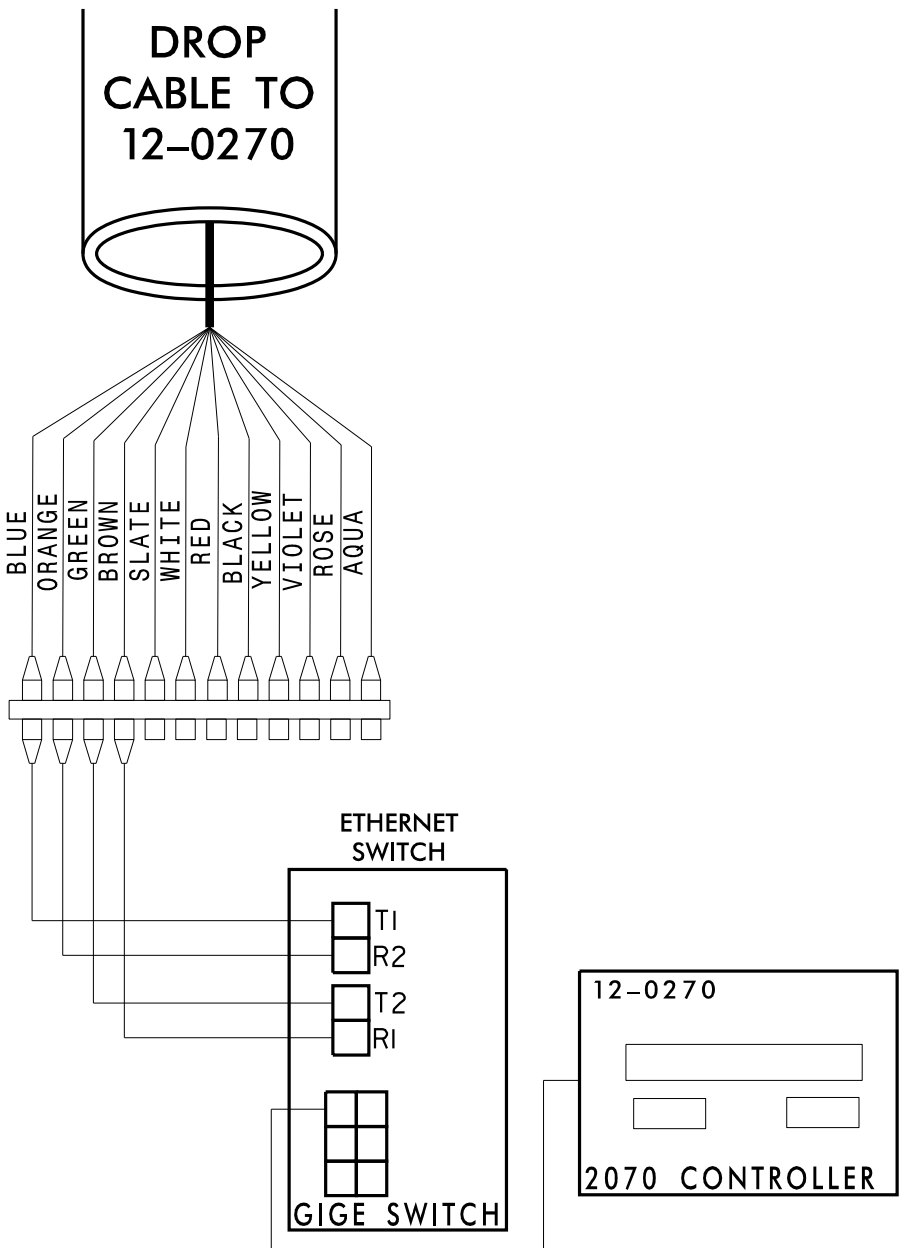
CHANNEL 3

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
028952
ROGER Z. VANOSDELL

[illegible]

1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATI-
CALLY ONLY - ACTUAL EQUIPMENT FORM MAY VARY.
2. ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING /ENSURING PROPER TERMINATION.
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EXISTING SPLICING. THE CONTRACTOR SHALL
COORDINATE WITH THE ENGINEER WHERE EXISTING
SPLICING IS NOT AS EXPECTED.



CHANNEL 3
SPlice ENCLOSURE AT
(ARMSTRONG PARK RD. [SR 2200] AT
ARMSTRONG PARK DR./GARDNER PARK DR.)
SIG ID 12-0609

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

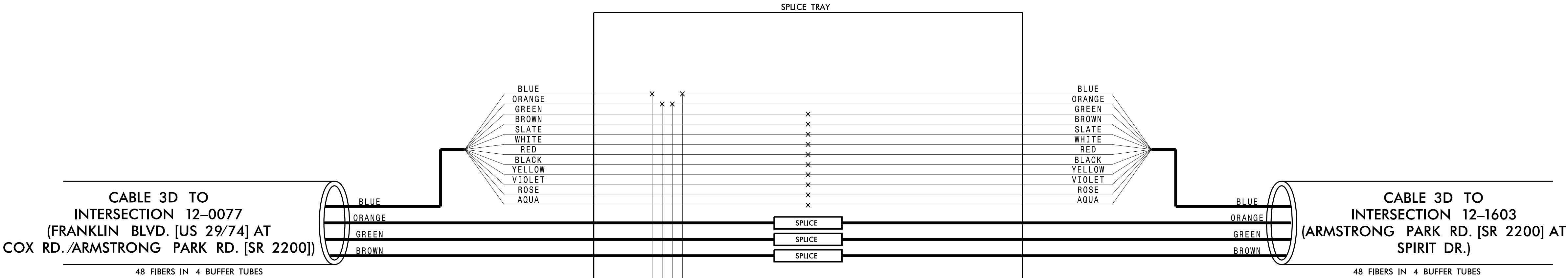
EXPRESS

SPlice

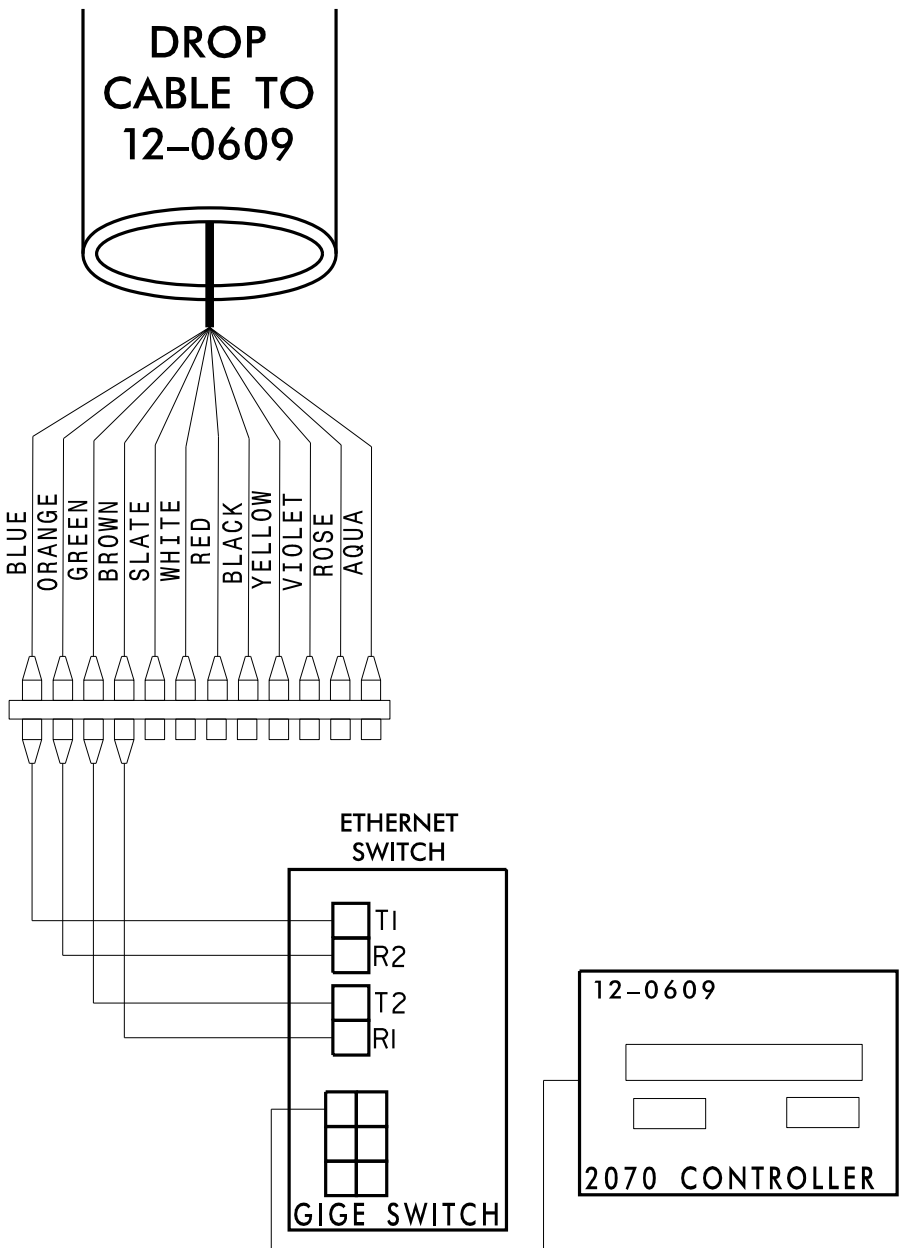
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:
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CABINET AT INTERSECTION 12-0609



Plans Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPlice DETAIL

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

0

REVISIONS

INIT.

DATE

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL

SEAL 028952

INGER Z. VAN OSDEL

ENGINEER

Drawn/Signd by:

Inger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 3
SPlice ENCLOSURE AT
(ARMSTRONG PARK RD. [SR 2200] AT
SPIRIT DR.)
SIG ID 12-1603

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

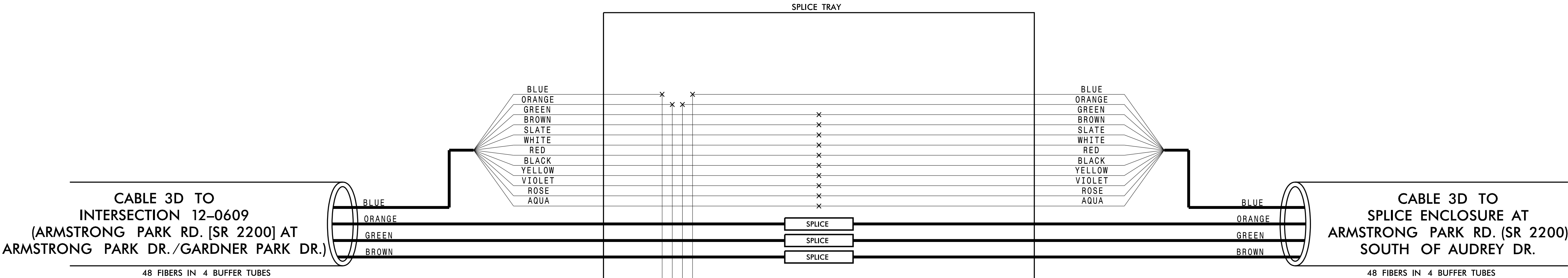
EXPRESS

SPlice

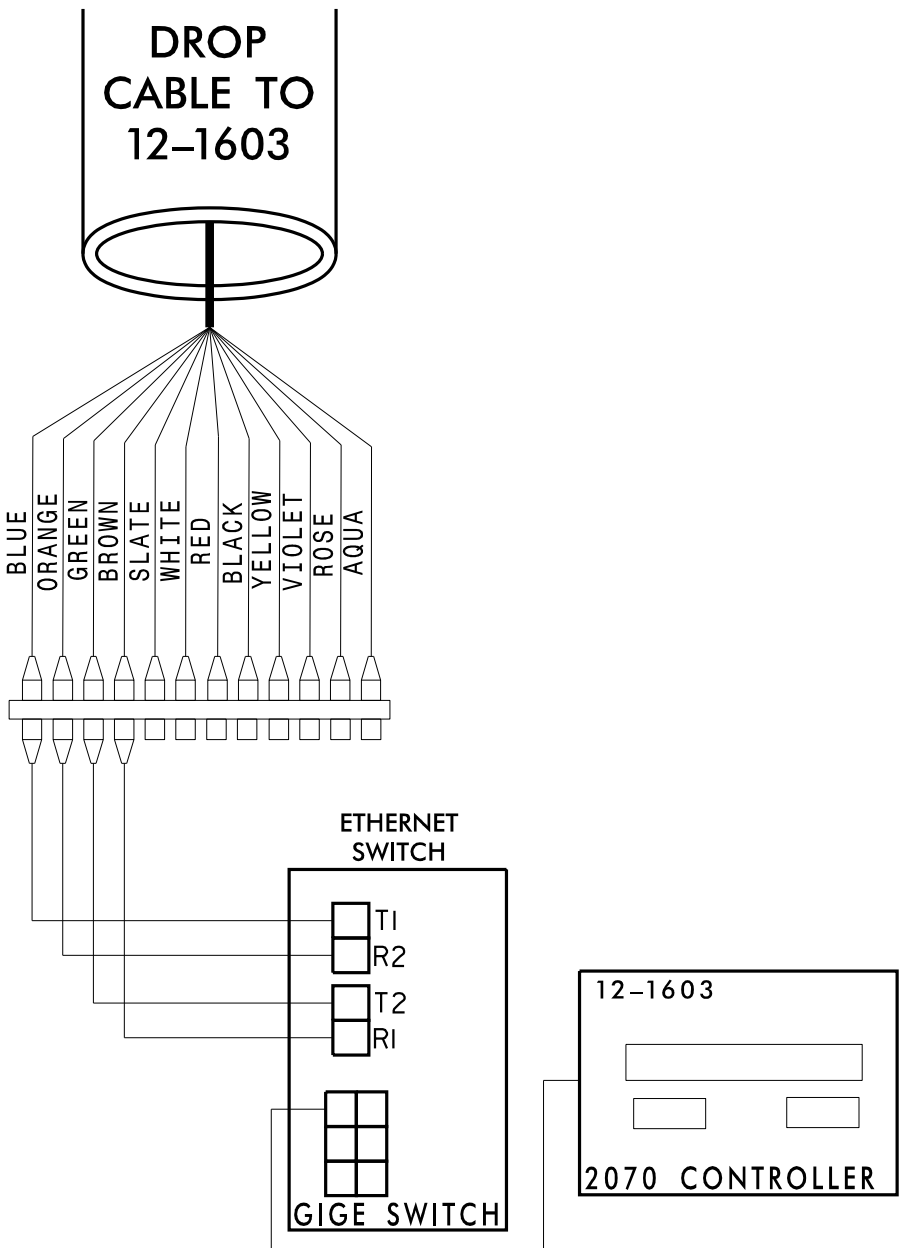
EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

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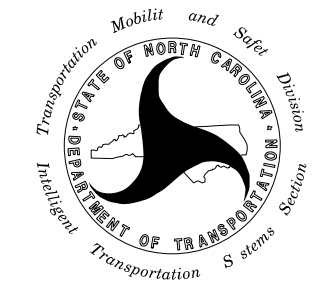


CABINET AT INTERSECTION 12-1603



DROP
TO
12-1603

Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPlice DETAIL

DIVISION 12

GASTON COUNTY

PLAN DATE: DECEMBER 2021

REVIEWED BY: K. SMITH

PREPARED BY: S. BUTLER

REVIEWED BY: I. VAN OSDELL

SCALE

0

CHANNEL 3

REVISIONS

INIT.

DATE

Seal of North Carolina Professional Engineer

NC License #F-0102

421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

Signature of Inger Van Osdel

3/16/2022

CADD Filename:

3/15/2022
\\kimley-horn.com\SE-RAL\NRA\1PTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL028.dgn

CHANNEL 3
SPlice ENCLOSURE AT
ARMSTRONG PARK RD. (SR 2200)
SOUTH OF AUDREY DR.

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

□

FUSION SPlice INDIVIDUAL FIBER

EXISTING SPlice

EXPRESS INDIVIDUAL FIBER

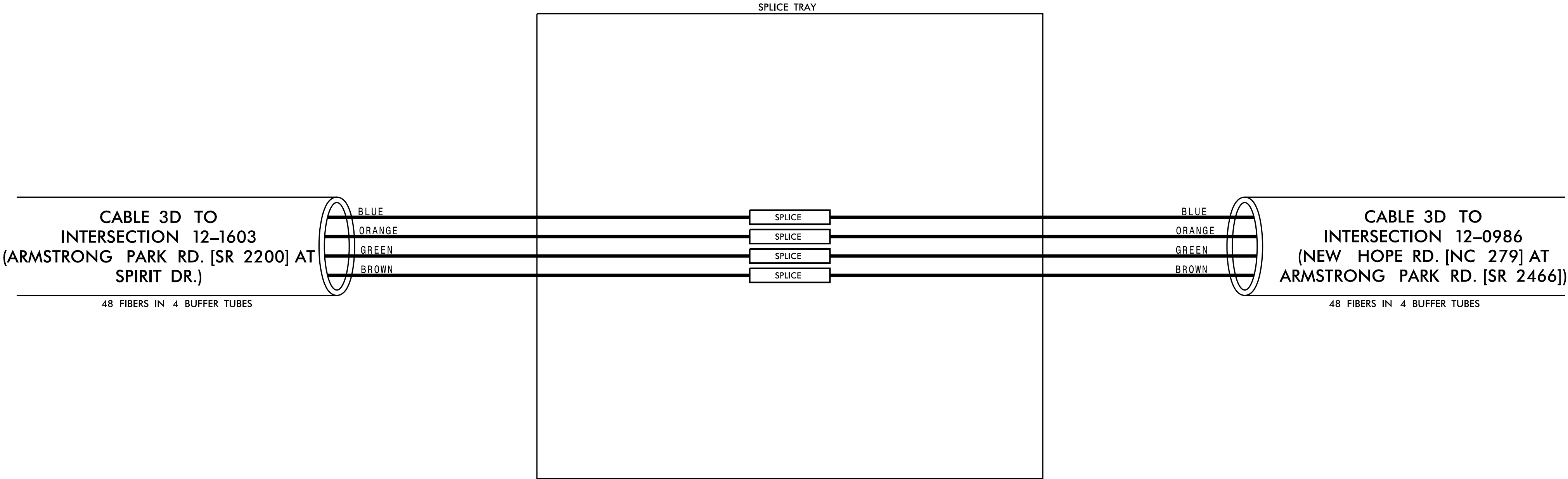
EXPRESS

SPlice

EXPRESS ENTIRE BUFFER TUBE

SPlice ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:
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3/15/2022
\\kimley-horn.com\SE\RAL\NRA\TPTD\ITS\01036569 Gastonia Signal System\6 Tasks\Splicing\SPL029.dgn

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

0

SCALE

CITY OF GASTONIA
COMPUTERIZED SIGNAL SYSTEM
SPlice DETAIL

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

NORTH CAROLINA

PROFESSIONAL

SEAL

028952

ENGINEER

INCEP. Z. VAN OSDELL

Drawn/Signed by: Inger Van OsdeLL

3/16/2022

DATE

CADD Filename:

Kimley»Horn

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

CHANNEL 4
SPLICE ENCLOSURE AT
SECOND AVE. AT AVON ST.
SIG ID 12-0044 (FRANKLIN BLVD. [US 29/74] AT
AVON ST.)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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□

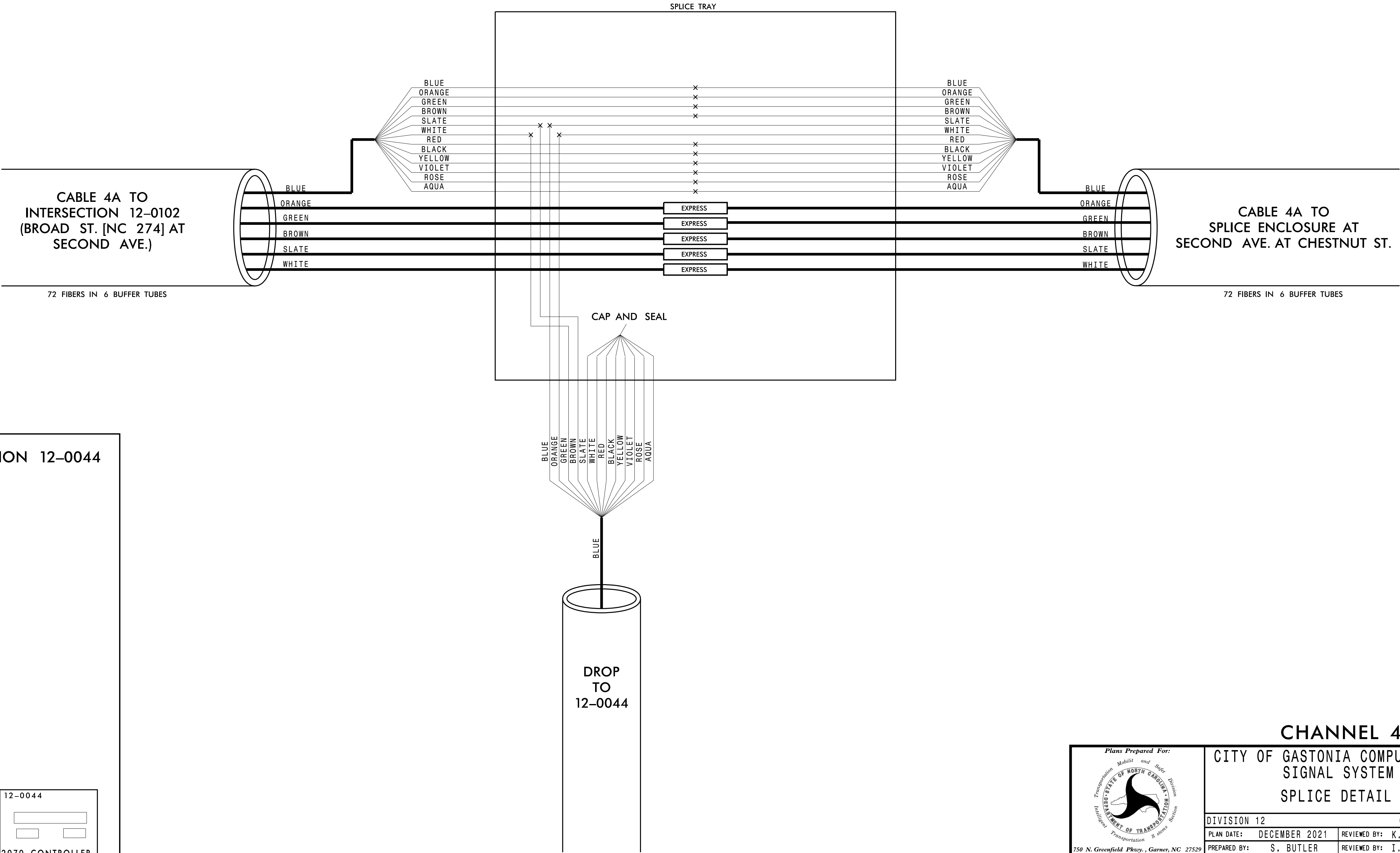
EXPRESS

SPLICE

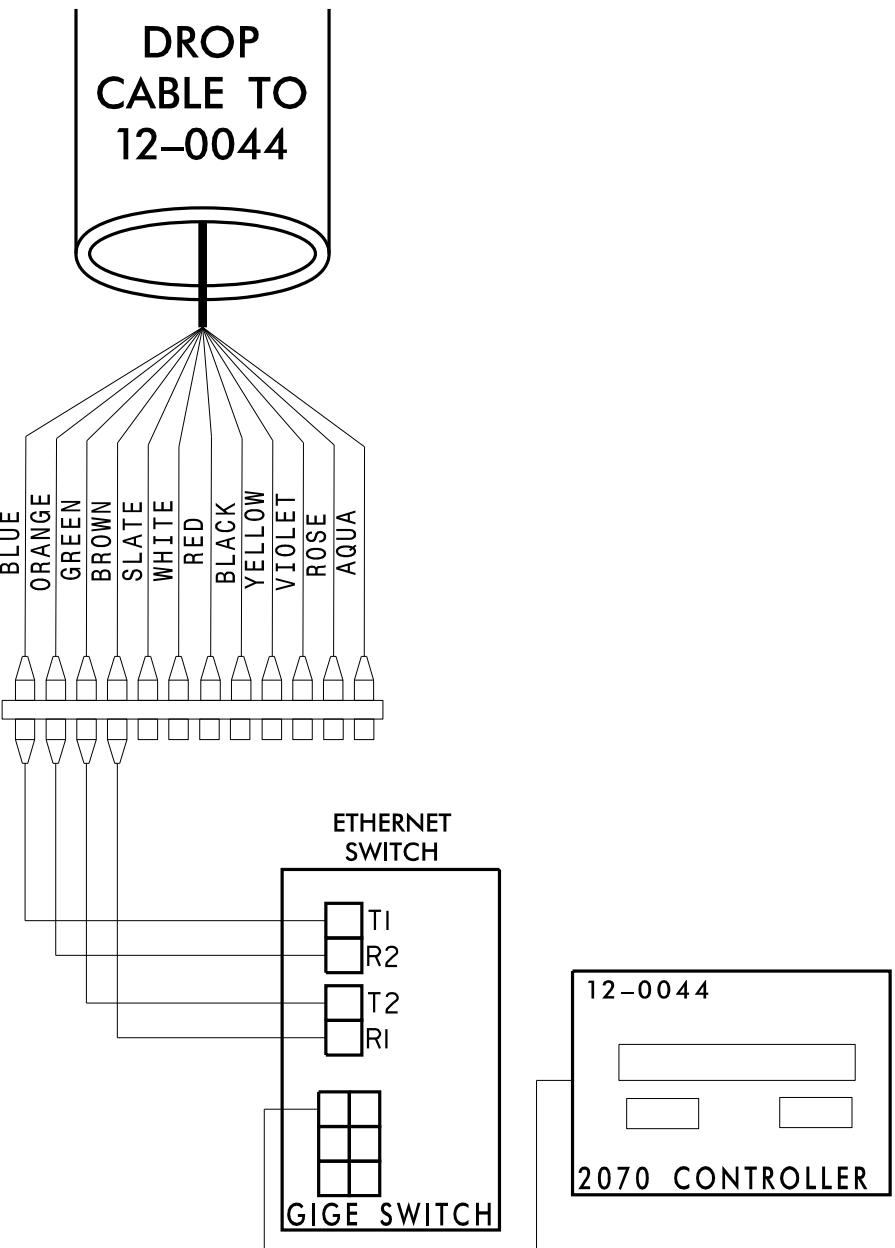
EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

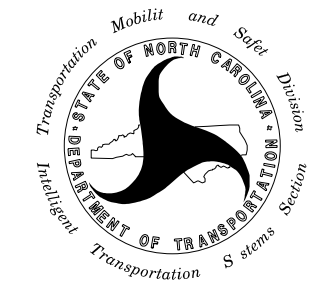
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CABINET AT INTERSECTION 12-0044



Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

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

NC License #F-0102

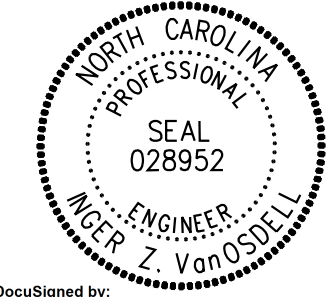
421 Fayetteville St., Suite 600

Raleigh, NC 27601

Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL



Inger Van Osdel

3/16/2022

DATE

CADD Filename:

CHANNEL 4
SPLICE ENCLOSURE AT
SECOND AVE. AT CHESTNUT ST.
SIG ID 12-0045 (FRANKLIN BLVD. [US 29/74] AT
CHESTNUT ST.)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

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FUSION

EXISTING

EXPRESS

SPLICE INDIVIDUAL FIBER

SPLICE

EXPRESS ENTIRE BUFFER TUBE

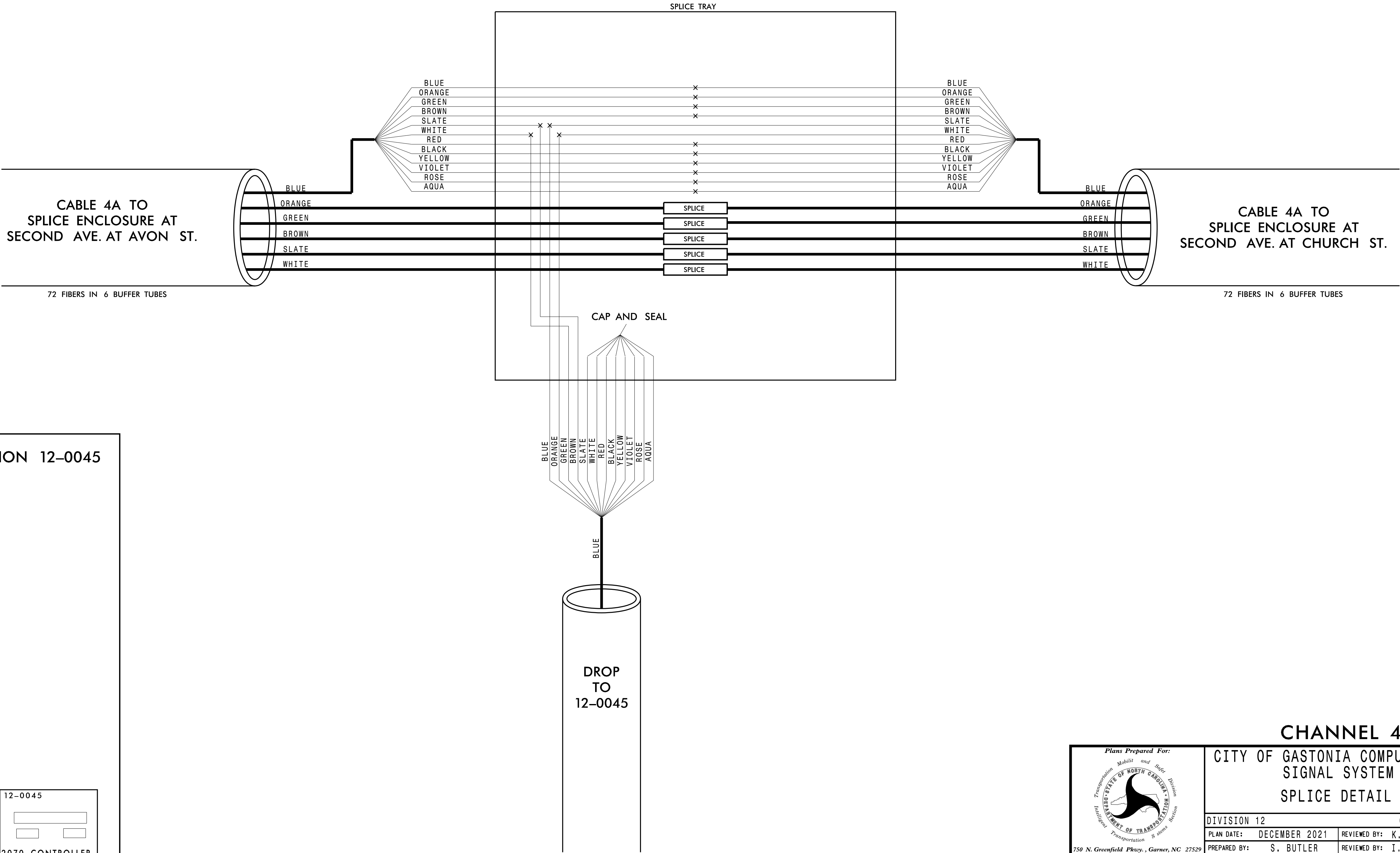
SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

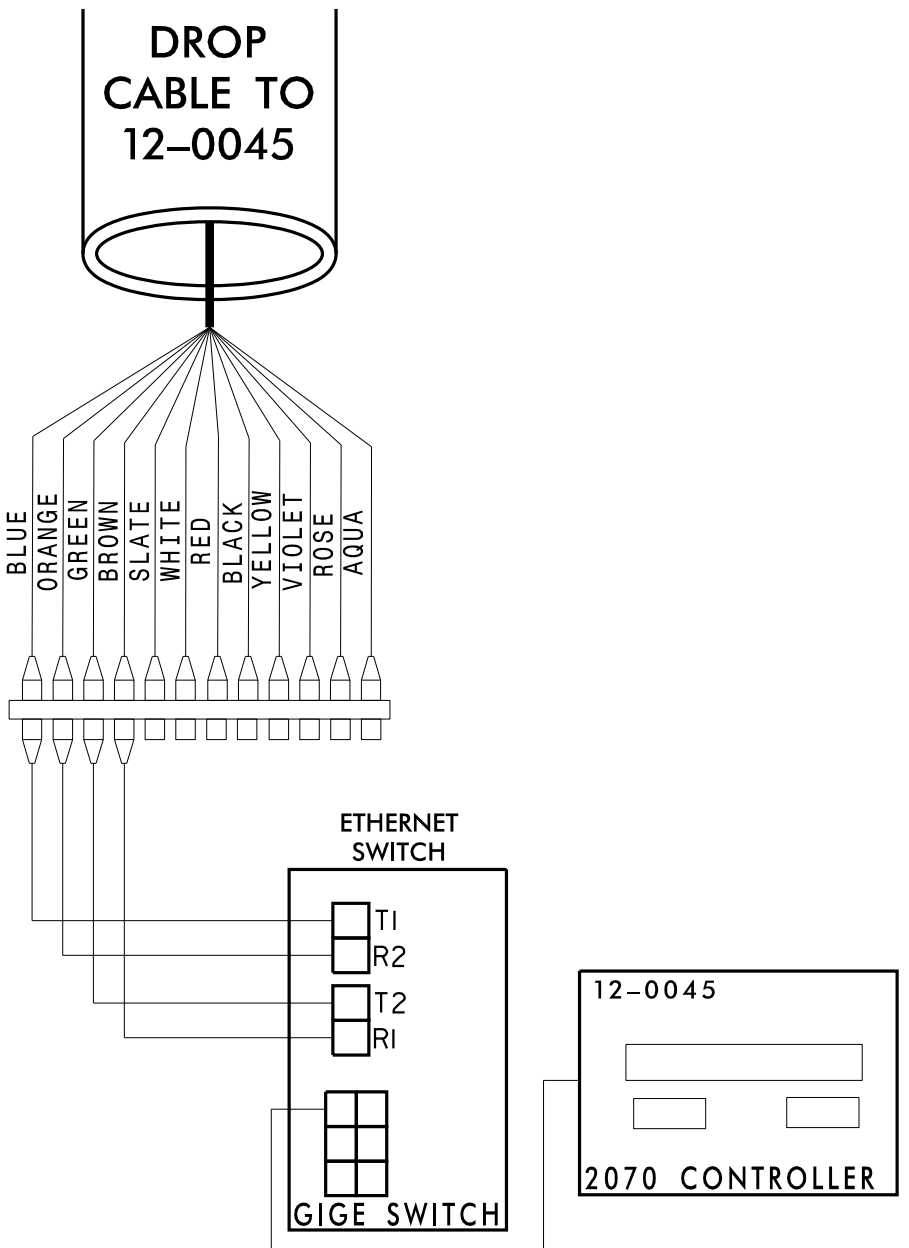
1. FIBER INTERCONNECT CENTER RACKS ARE SCHEMATIC ONLY – ACTUAL EQUIPMENT FORM MAY VARY.

2. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.

3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SPLICING. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER WHERE EXISTING SPLICING IS NOT AS EXPECTED.



CABINET AT INTERSECTION 12-0045



CHANNEL 4

CITY OF GASTONIA COMPUTERIZED
SIGNAL SYSTEM
SPLICE DETAIL

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

REVISIONS	INIT.	DATE

Plans Prepared For:

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

8 State Station

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE

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Kimley»Horn

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

INCE. Z. VAN OSDELL

ENGINEER

Drawn/Signed by:

Inger Van Osdel

3/16/2022

REVISIONS

DATE

CADD Filename:

CHANNEL 4
SPLICE ENCLOSURE AT
SECOND AVE. AT CHURCH ST.
SIG ID 12-0046 (FRANKLIN BLVD. [US 29.74]
AT CHURCH ST.)
CCTV CAMERA-11

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

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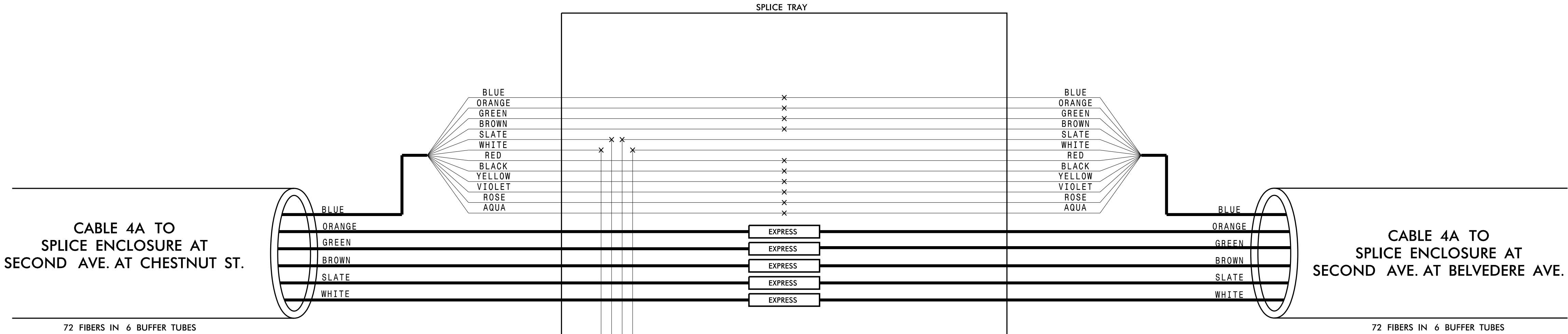
EXPRESS

SPLICE

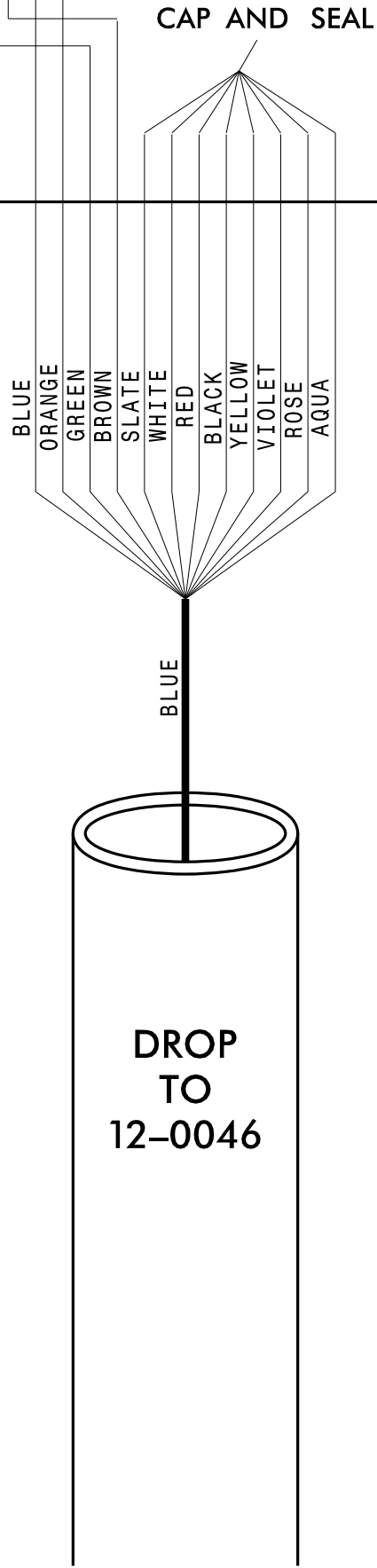
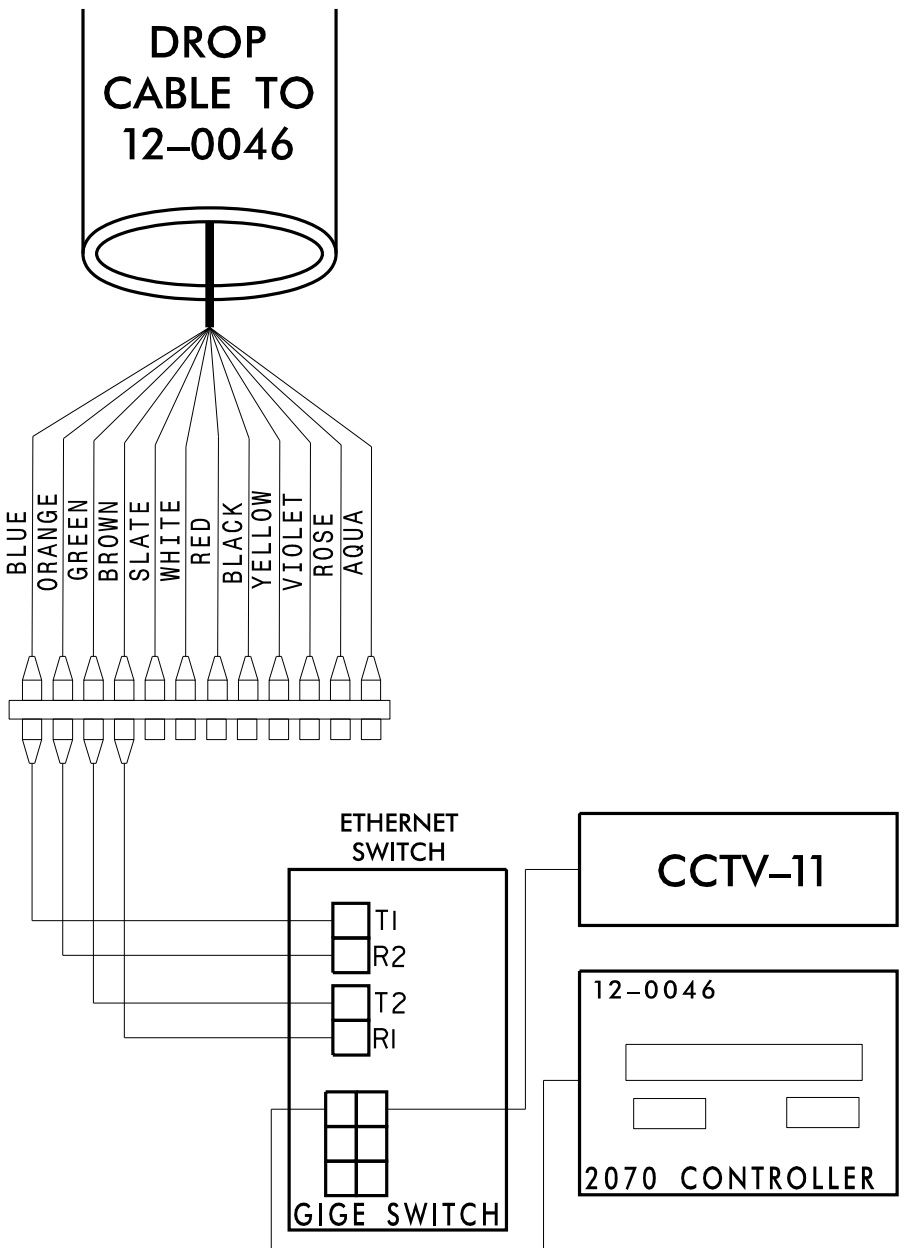
EXPRESS ENTIRE BUFFER TUBE

SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

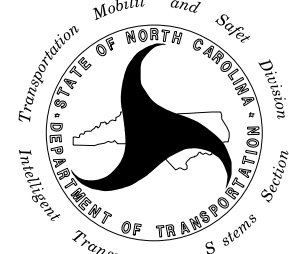
NOTES:
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CABINET AT INTERSECTION 12-0046



Plans Prepared For:



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

DIVISION 12GASTON COUNTY

PLAN DATE: DECEMBER 2021REVIEWED BY: K. SMITH

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

REVISIONS


INIT. DATE

SCALE

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NC License #F-0102
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Raleigh, NC 27601
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Fax: (919) 677-2050

SEAL



Inger Van Osdel
3/16/2022

DATE

CADD Filename:

CHANNEL 4
SPLICE ENCLOSURE AT
SECOND AVE. AT BELVEDERE AVE.
SIG ID 12-0047 (FRANKLIN BLVD. [US 29/74] AT
BELVEDERE AVE.)

COLOR CODE
TIA/EIA 598-C

(1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE

(7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

X

O

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FUSION

EXISTING

EXPRESS

SPLICE INDIVIDUAL FIBER

SPLICE

EXPRESS ENTIRE BUFFER TUBE

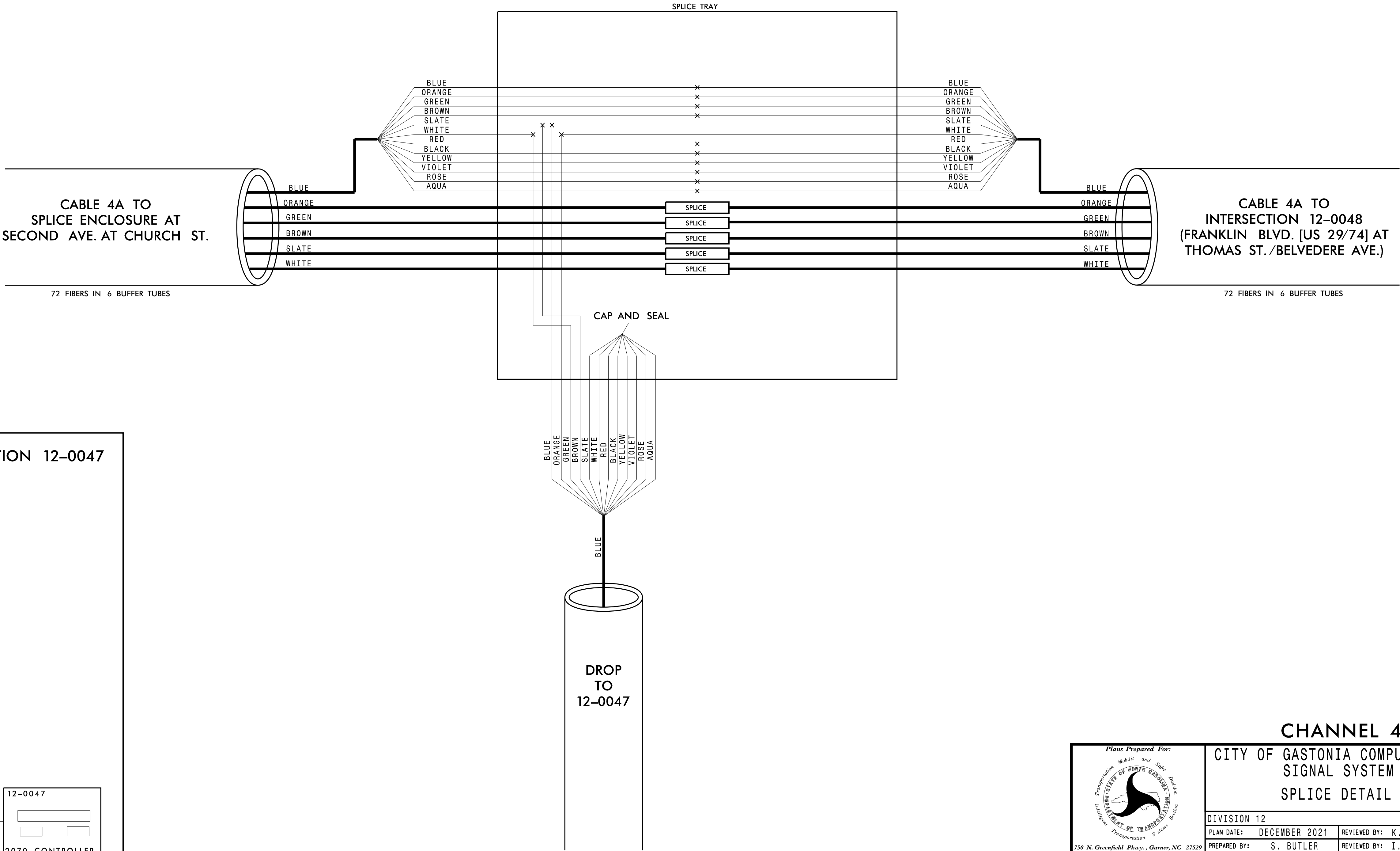
SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

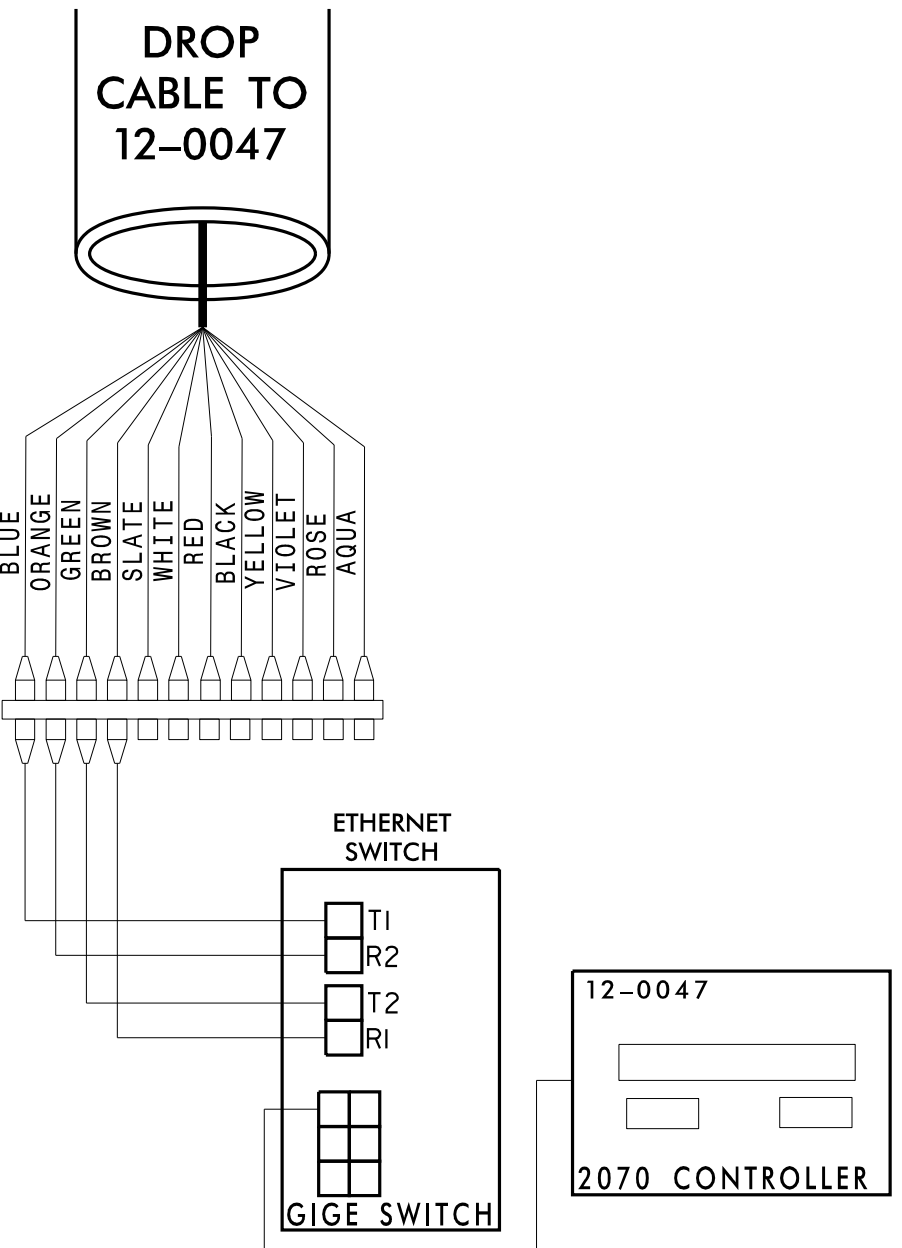
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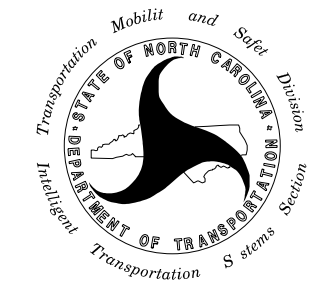
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CABINET AT INTERSECTION 12-0047



Plans Prepared For:



750 N. Greenfield Parkway, Garner, NC 27529

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM

SPLICE DETAIL

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

NC License #F-0102

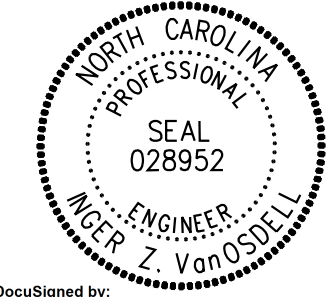
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Tel: (919) 677-2000

Fax: (919) 677-2050

SEAL



Inger Van Osdel

3/16/2022

CADD Filename: