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6/21/2022  
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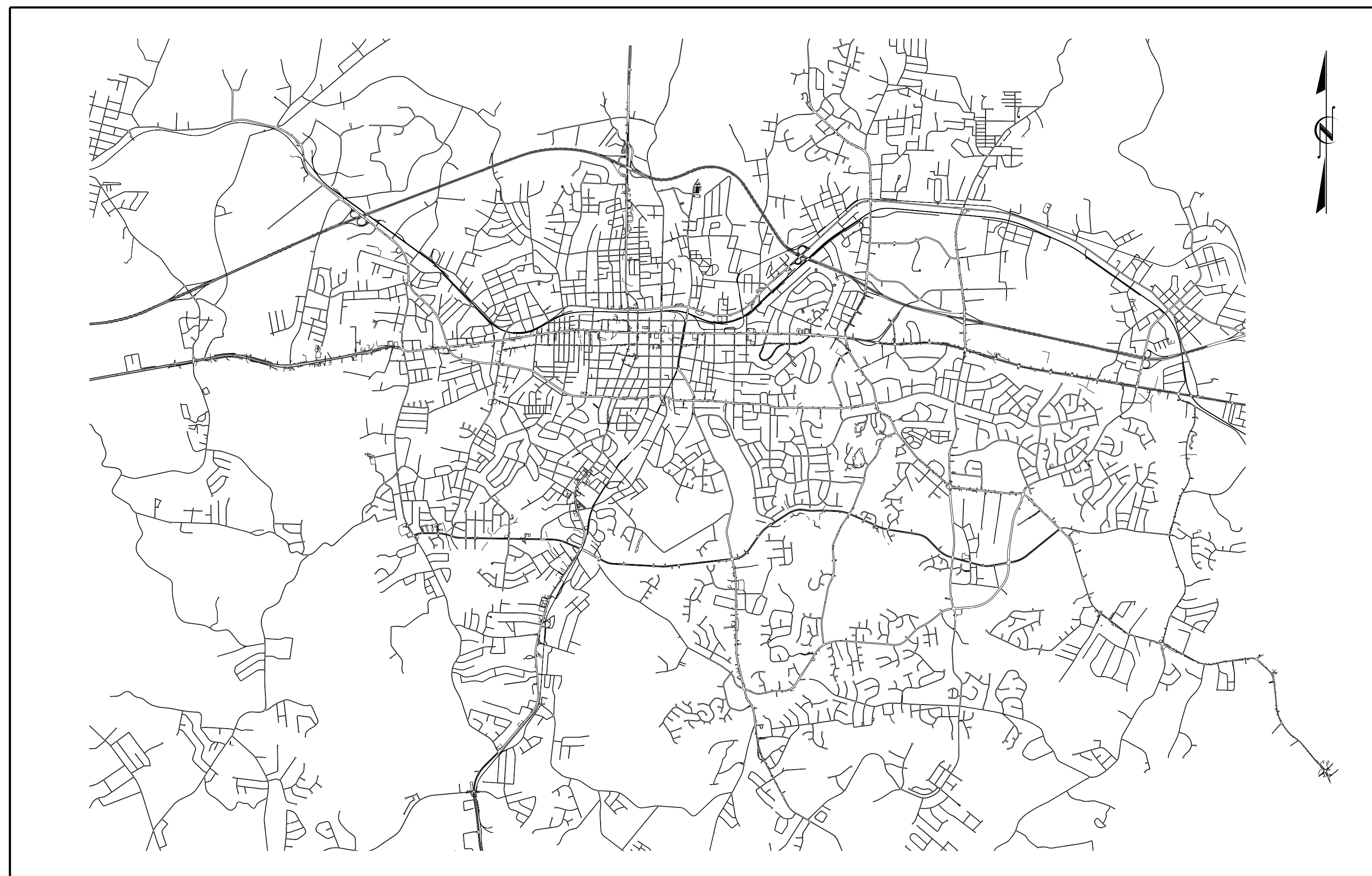
**CONTRACT: C204730 TIP PROJECT: C-5606C / C-5703**

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## PLANS FOR PROPOSED IMPROVEMENTS CITY OF GASTONIA COMPUTERIZED TRAFFIC SIGNAL SYSTEM

UPGRADE AND EXPANSION RELATED WORK INCLUDES: UPGRADE OF INTERSECTION CABINETS AND CONTROLLERS; EXPANSION OF CCTV MONITORING NETWORK; INSTALLATION OF AN ETHERNET COMMUNICATIONS NETWORK COMPRISED OF FIBER-OPTIC CABLE AND WIRELESS TECHNOLOGY WITH ALL RELATED EQUIPMENT

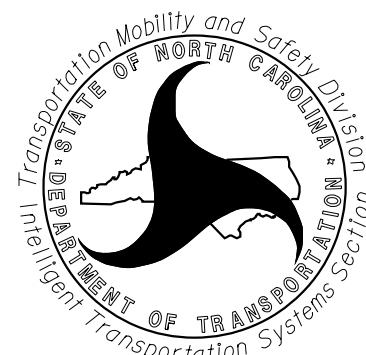
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	C-5606C/C-5703	ITS-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
	C-5606C		
43728.1.4	CMAQ - 1213 (038)	PE	
48320.3.1	CMAQ - 1213 (039)	CONST	
	C-5703		
48320.1.1	CMAQ - 1213 (039)	PE	
48320.3.1	CMAQ - 1213 (039)	CONST	



2018 STANDARD SPECIFICATIONS

LETTING DATE: August 16, 2022

PROJECT LENGTH = NA



750 Greenfield Pkwy., Garner, NC 27529

**NCDOT CONTACTS:**  
**TRANSPORTATION MOBILITY AND SAFETY**  
**INTELLIGENT TRANSPORTATION SYSTEMS SECTION**  
 MATTHEW T. CARLISLE, P.E. - STATE ITS AND SIGNALS MANAGEMENT ENGINEER

PLANS PREPARED BY: **Kimley»Horn**

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**KIMLEY-HORN CONTACTS:** KEVIN W. SMITH, P.E. - PROJECT MANAGER  
 INGER VANOSDELL, P.E. - PROJECT ENGINEER

SEAL



DocuSigned by:  
 Inger VanOsdeLL

SIGNATURE

6/21/2022

DATE

# INDEX OF SHEETS

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- ITS-2..... INDEX OF SHEETS AND LEGEND
- ITS-3..... CONSTRUCTION NOTES AND LEGEND
- ITS-4 - ITS-5..... PLAN KEY
- ITS-6..... CABINET DETAILS
- ITS-7..... CABINET FOUNDATION DETAILS
- ITS-8..... JUNCTION BOX AND DELINEATOR MARKER DETAILS
- ITS-9..... MUNICIPAL OPERATIONS CENTER MODIFICATIONS & RACK LAYOUT
- ITS-10..... TRAFFIC OPERATIONS CENTER VIDEO WALL
- ITS-11..... SYSTEM BLOCK DIAGRAM
- ITS-12..... CCTV CAMERA WOOD POLE TYPICAL DETAIL
- ITS-13..... CCTV CAMERA WOOD SIGNAL SPAN POLE TYPICAL DETAIL
- ITS-14..... CCTV CAMERA METAL STRAIN POLE TYPICAL DETAIL
- ITS-15 - ITS-29..... SUMMARY OF WORK BY INTERSECTION
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## VOLUME II

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## VOLUME III

- CBL-000..... COMMUNICATIONS CABLE SCHEMATIC PLAN KEY
- CBL-001 - CBL-006..... COMMUNICATIONS CABLE SCHEMATIC
- SPL-001 - SPL-159..... SPLICE DETAILS

# ROADWAY STANDARD DRAWINGS

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

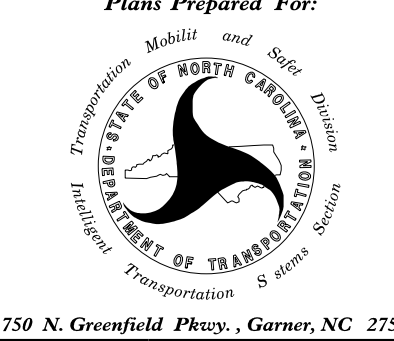
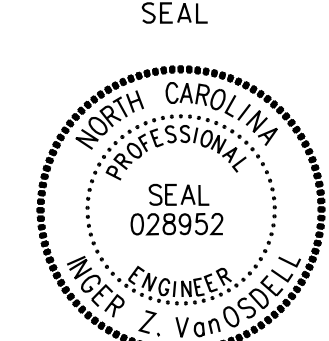

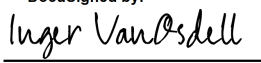
STD. NO.	TITLE
848.01	CONCRETE SIDEWALK
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1705.01	SIGNAL HEADS
1705.02	SIGNAL HEADS
1705.03	SIGNAL HEADS
1715.01	UNDERGROUND CONDUIT
1716.01	JUNCTION BOXES
1720.01	WOOD POLES
1721.01	GUY ASSEMBLIES
1725.01	INDUCTIVE DETECTION LOOPS
1730.01	FIBER OPTIC CABLE
1736.01	SPREAD SPECTRUM RADIO
1751.01	CONTROLLERS AND CABINETS

# ABBREVIATIONS

AT&T	= AT&T TELEPHONE	OHG	= OVERHEAD GUY
(BS)	= BACK SIDE OF POLE	OWS	= OPEN WIRE SECONDARY
BKT	= BRACKET	PWR	= POWER
CITY	= CITY OF GASTONIA	REMC	= RUTHERFORDTON EMC
COMM	= COMMUNICATIONS CABLE	(R)	= RIGHT
DPCO	= DUKE ENERGY	RSR	= RISER
DL	= DRIP LOOP	SEC	= SECONDARY POWER
NCDOT	= N.C. DEPARTMENT OF TRANSPORTATION	SIG	= SIGNAL CABLE
FOC	= FIBER OPTIC CABLE	STLT BKT	= STREET LIGHT BRACKET
GE	= GASTONIA ELECTRIC	STLT DL	= STREET LIGHT DRIP LOOP
GUY	= GUY ASSEMBLY	STLT	= STREET LIGHT
(L)	= LEFT	TPX	= TRIPLEX
LT	= STREET LIGHT	TFMR	= TRANSFORMER
LLI	= LOOP LEAD IN	WTHD	= WEATHERHEAD
MESS. CABLE	= MESSENGER CABLE	XMESS	= CROSS MESSENGER
NEU	= ENERGY NEUTRAL		

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	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM INDEX OF SHEETS AND LEGEND																										
	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL																										
SCALE 	REVISIONS <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION										INIT. DATE <table border="1"> <tr><th>NO.</th><th>DATE</th><th>INITIALS</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	INITIALS										DocuSigned by:  4/21/2022 SEAL DATE CADD Filename:
NO.	DATE	DESCRIPTION																									
NO.	DATE	INITIALS																									

- 1 INSTALL COAX CABLE
- 2 INSTALL ETHERNET CABLE
- 3 EXISTING ETHERNET (OR COAX) CABLE
- 4 INSTALL SMFO CABLE
- 5 EXISTING SMFO CABLE
- 6 INSTALL FIBER OPTIC DROP CABLE
- 7 INSTALL TRACER WIRE
- 8 TRENCH
- 9 INSTALL PVC CONDUIT
- 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 12 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
- 13 INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
- 14 INSTALL POLYETHYLENE CONDUIT
- 15 DIRECTIONAL DRILL CONDUIT
- 16 BORE AND JACK CONDUIT
- 17 INSTALL CABLE(S) IN EXISTING CONDUIT
- 18 INSTALL CABLE(S) IN NEW CONDUIT
- 19 INSTALL CABLE(S) IN EXISTING RISER
- 20 INSTALL CABLE(S) IN NEW RISER
- 21 INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
- 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  
DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS  
BOND RISER AND MESSENGER CABLE TO POLE GROUND
- 61 BOND RISER TO POLE GROUND
- 62 BOND MESSENGER CABLE TO POLE GROUND
- 63 BOND MESSENGER CABLE TO POLE GROUND
- 64 INSTALL HEAT SHRINK TUBING RETROFIT KIT
- 65 INSTALL MOLDABLE DUCT SEAL
- 66 SLACK SPAN
- 67 INSTALL CABINET BASE ADAPTER
- 68 REMOVE EXISTING SIGNAL CABINET AND CONTROLLER
- 69 REMOVE EXISTING CCTV CAMERA ASSEMBLY
- 70 REMOVE EXISTING CCTV CAMERA CABINET
- 71 REMOVE CABINET FOUNDATION
- 72 MODIFY EXISTING CABINET FOUNDATION
- 73 REMOVE EXISTING WIRELESS SYSTEM
- 74 REMOVE EXISTING WIRELESS SYSTEM
- 75 INSTALL WIRELESS ETHERNET SYSTEM

**LEGEND**

	NEW FIBER OPTIC COMMUNICATIONS CABLE		EXISTING COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE TO BE REMOVED		NEW POWER OVER ETHERNET CABLE
	NEW AERIAL GUY ASSEMBLY		NEW CONDUIT
	EXISTING CONDUIT		NEW DIRECTIONAL DRILLED CONDUIT

<b>NEW</b>		OVERSIZED JUNCTION BOX	<b>EXISTING</b>		WOOD POLE
	AERIAL SPLICE ENCLOSURE		UNDERGROUND SPLICE ENCLOSURE		METAL POLE
	CCTV ASSEMBLY		STANDARD GUY ASSEMBLY		SIDEWALK GUY ASSEMBLY
	CABLE STORAGE RACKS (SNOW SHOES)		SIGNAL/EQUIPMENT CABINET		POLE MOUNTED CABINET
	FLAT PANEL ANTENNA (SINGLE)		YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION		CELLULAR COMMUNICATION
	YAGI ANTENNA (SINGLE)		OMNI ANTENNA		SIGNAL POLE
	SIGNAL INVENTORY NUMBER		SIGNAL INVENTORY NUMBER		SIGNAL INVENTORY NUMBER

**CONSTRUCTION NOTE SYMBOLOGY KEY**

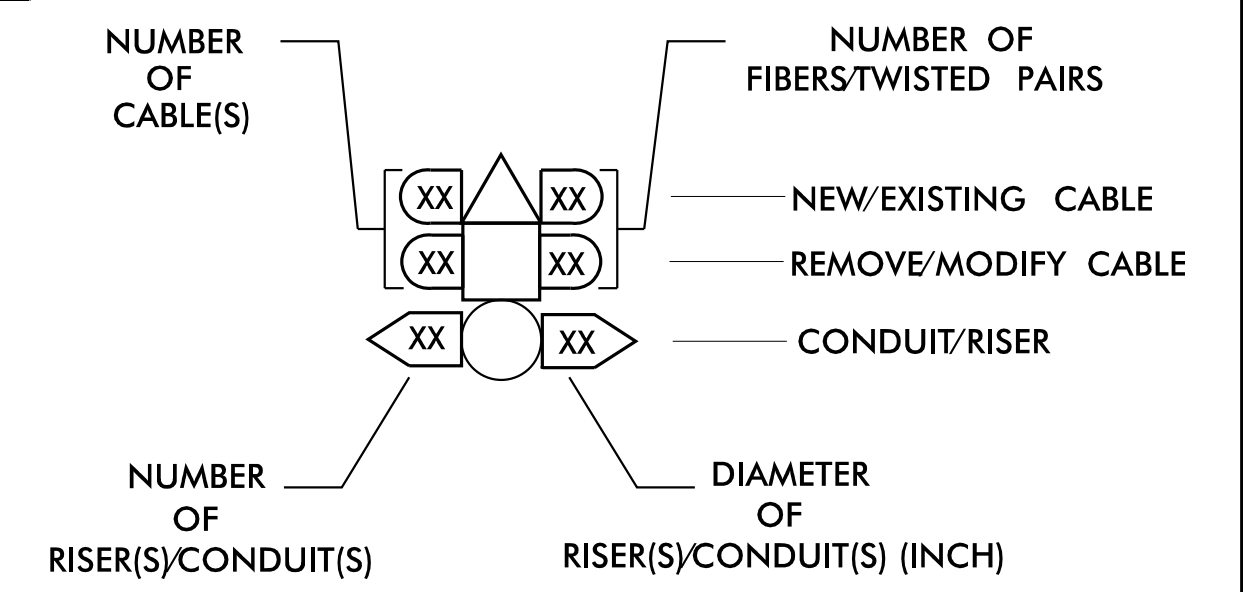
- INDICATES NUMBER OF CABLES, LOOPS, ETC.
- INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
- INDICATES NUMBER OF RISER(S)/CONDUIT(S)
- INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

**ATTACHMENT POINT:**

"SS" DISTANCE ABOVE (IN)/ATTACHMENT POINT REFERENCE POINT

REFERENCE POINT DISTANCE BELOW (IN)/ATTACHMENT POINT

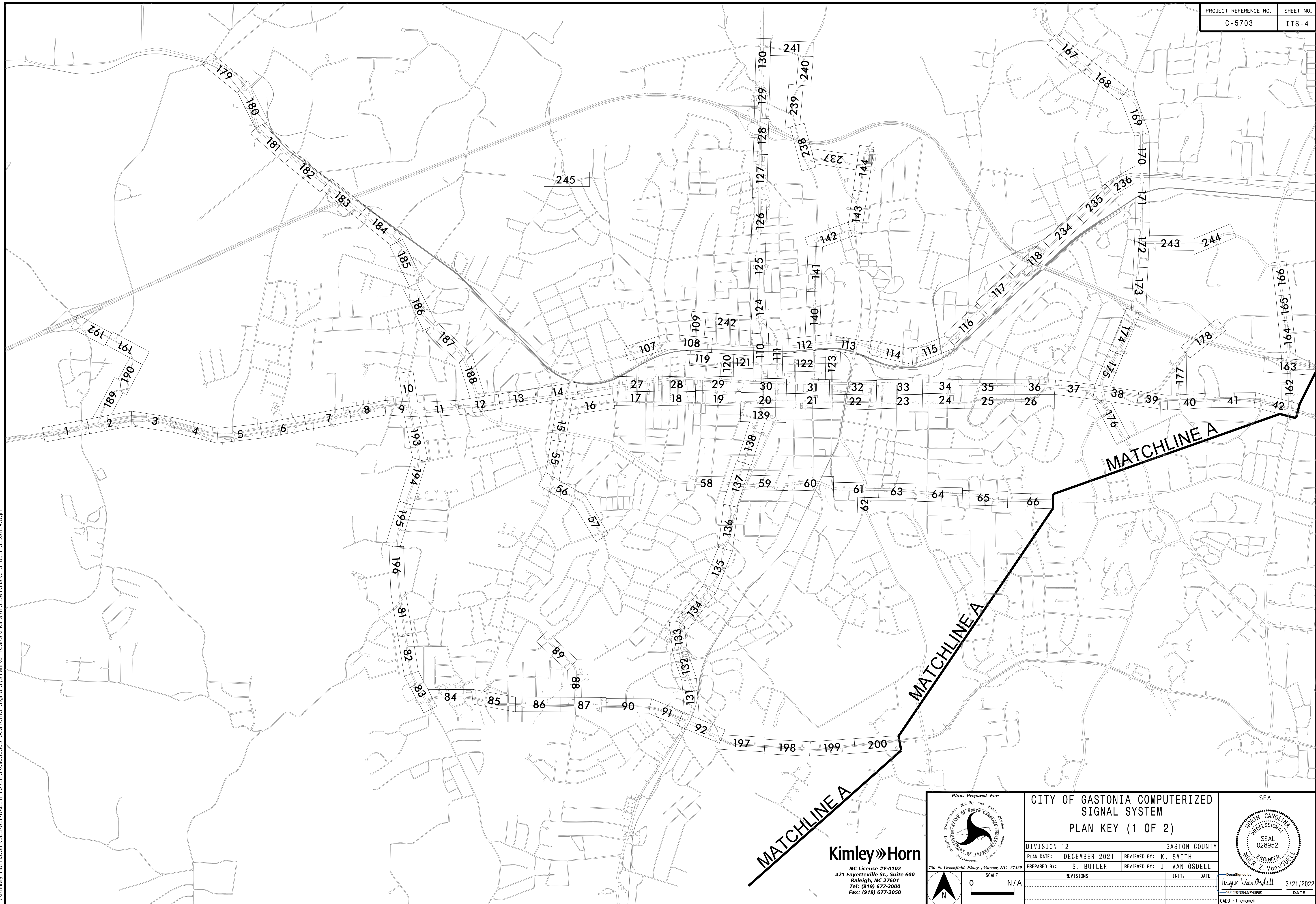
"SS" REFERENCE LOCATION  
FS = FRONT SIDE OF POLE  
BS = BACK SIDE OF POLE



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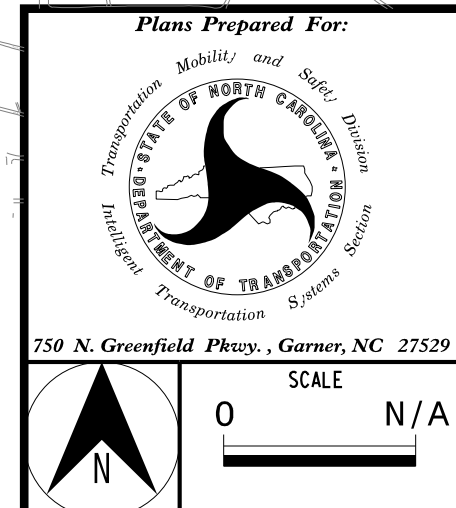
	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> <b>CONSTRUCTION NOTES AND LEGEND</b>									
	DIVISION 12 PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER	GASTON COUNTY REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL								
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NO.	DESCRIPTION	INIT.	DATE							

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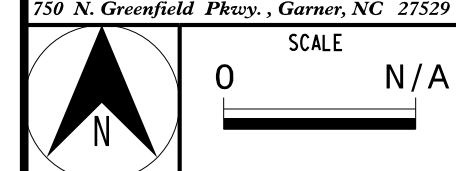
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CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM	
PLAN KEY (1 OF 2)	
DIVISION 12	GASTON COUNTY
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL
REVISIONS	INIT. DATE

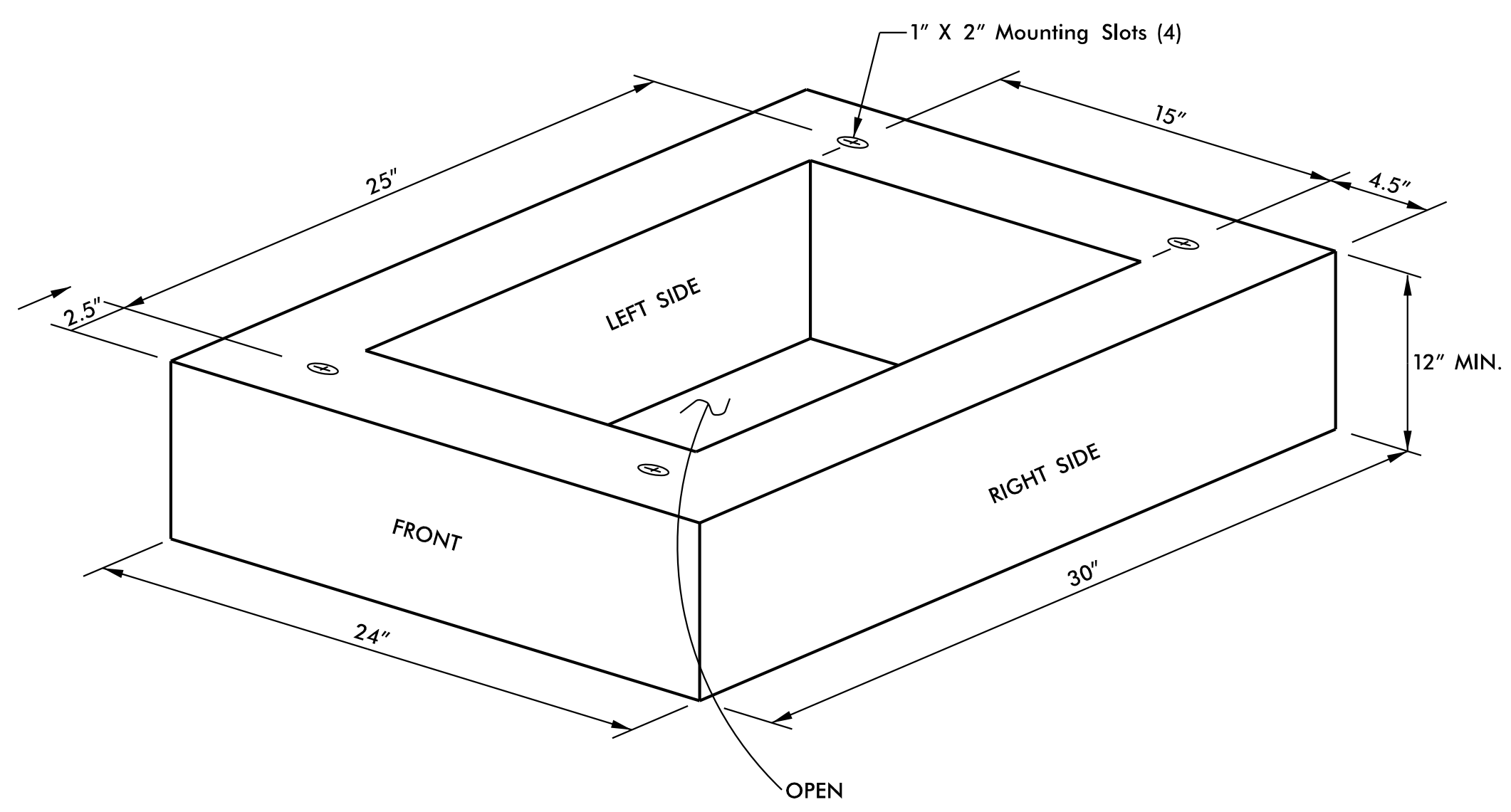
SEAL

Inger Van OsdeLL  
 3/21/2022  
 DATE



CADD File name:





**BASE EXTENSION FOR 332 CABINET**

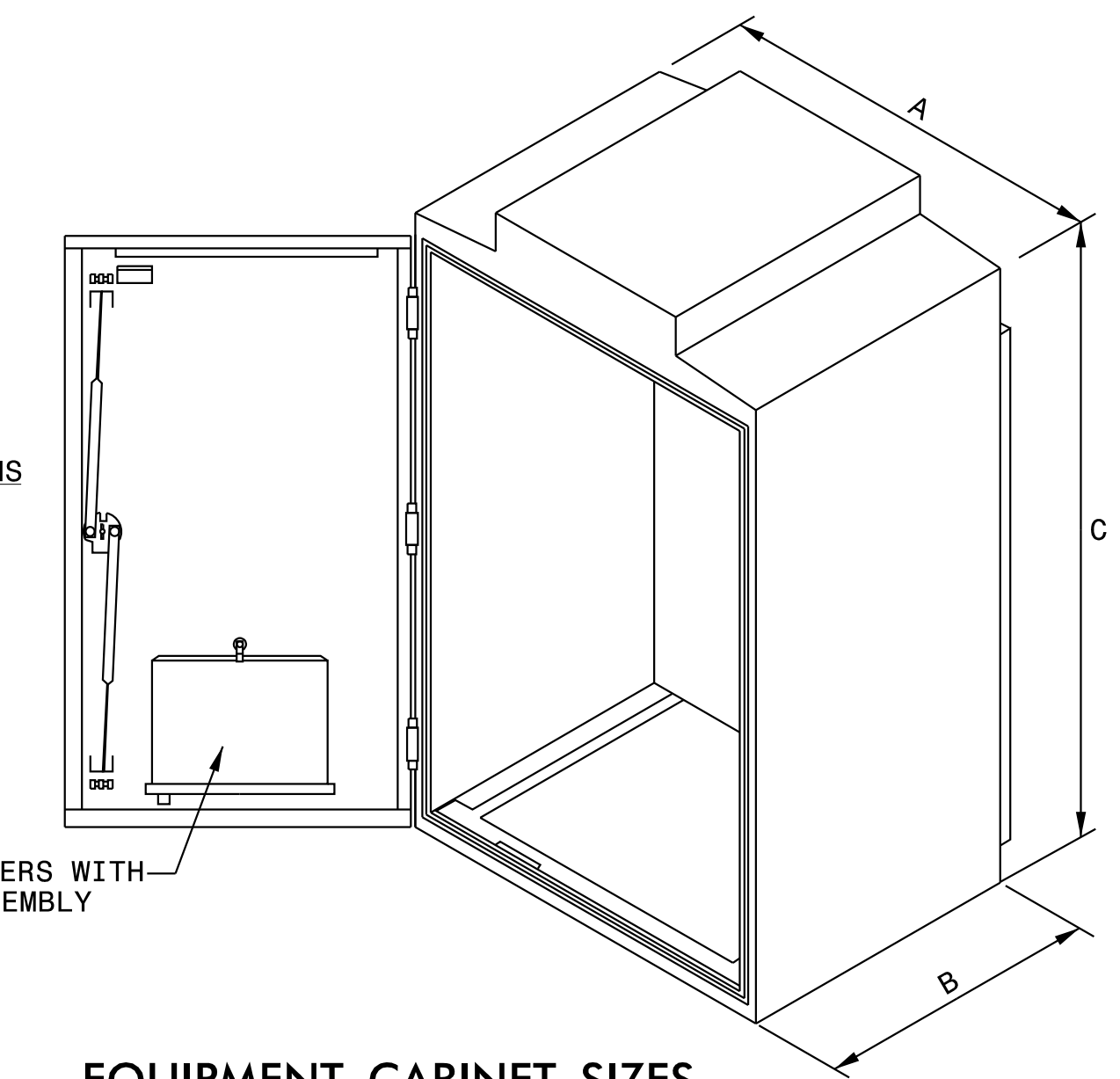
**NOTES**

1. BASE EXTENDER BOLT HOLE PATTERN AND SPACING SHALL MATCH THAT OF EQUIPMENT CABINET.
2. DIMENSIONS SHOWN FOR BASE EXTENDER ARE APPROXIMATE OUTER DIMENSIONS, DIMENSIONS FOR CENTER OPENING AND FLANGE DIMENSIONS SHALL MATCH THOSE OF EQUIPMENT CABINET.
3. FABRICATE BASE EXTENDER FROM SAME MATERIAL AND SAME GAUGE AS EQUIPMENT CABINET. BASE EXTENDER SHALL HAVE FINISH THAT IS IDENTICAL TO EQUIPMENT CABINET.

**CABINET HOUSING DIMENSIONS**

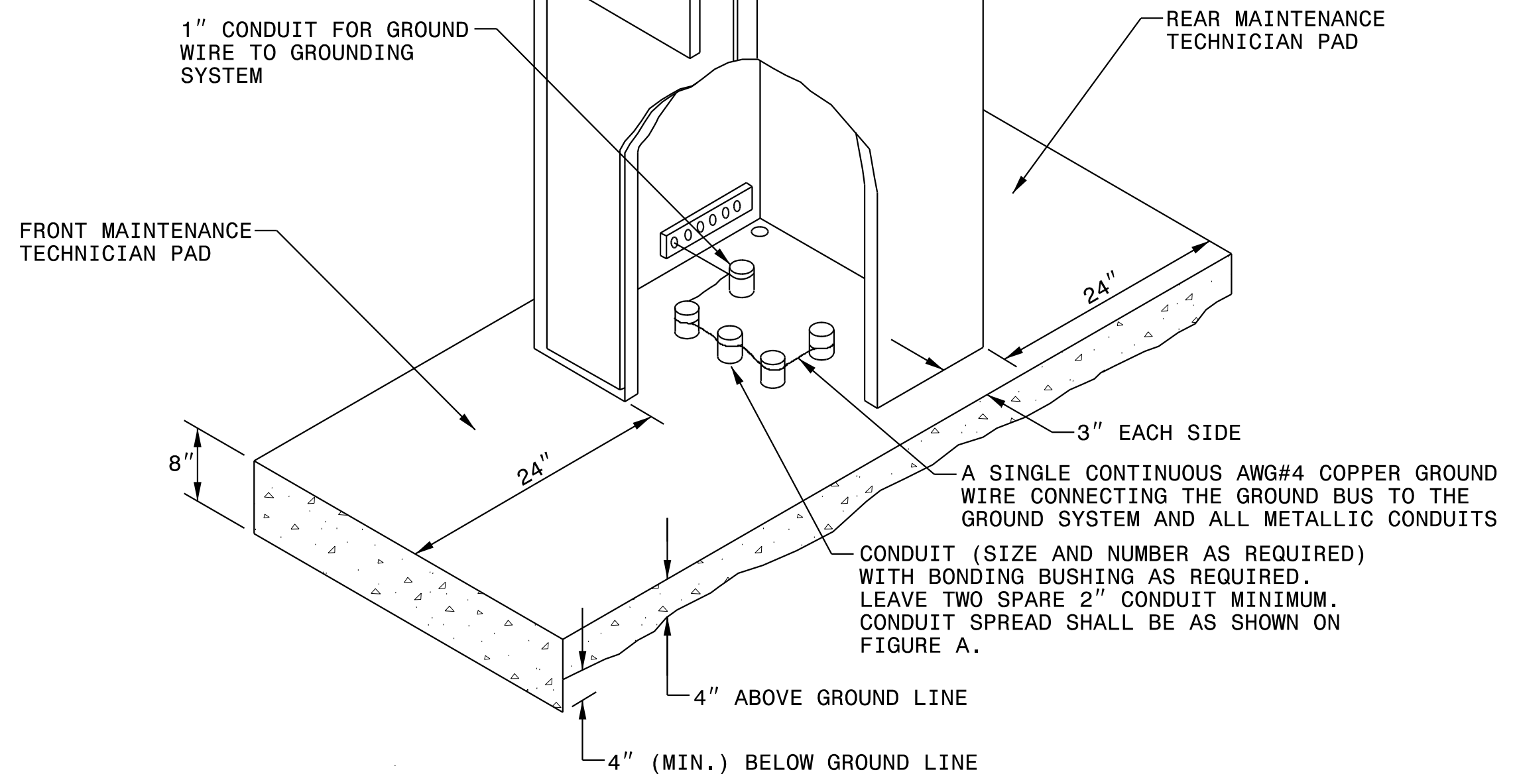
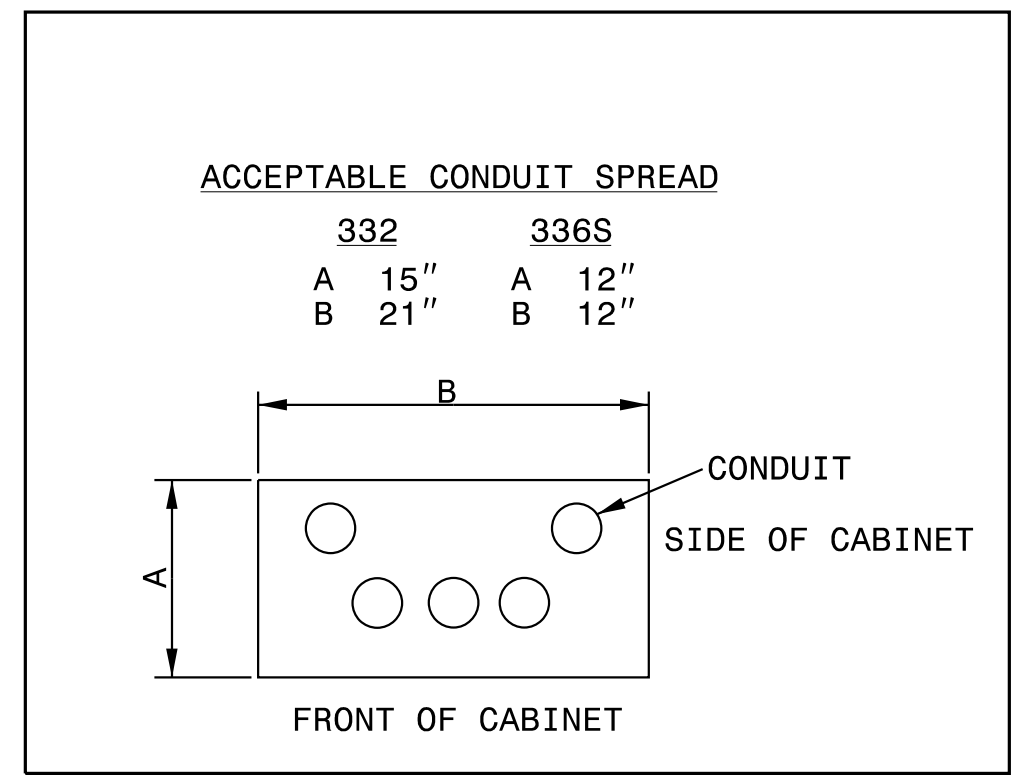
332	336S
A 24"	A 24"
B 30"	B 20"
C 64"	C 46"

VENTILATION LOUVERS WITH FILTER/SHELL ASSEMBLY



**EQUIPMENT CABINET SIZES**

**FIGURE A**



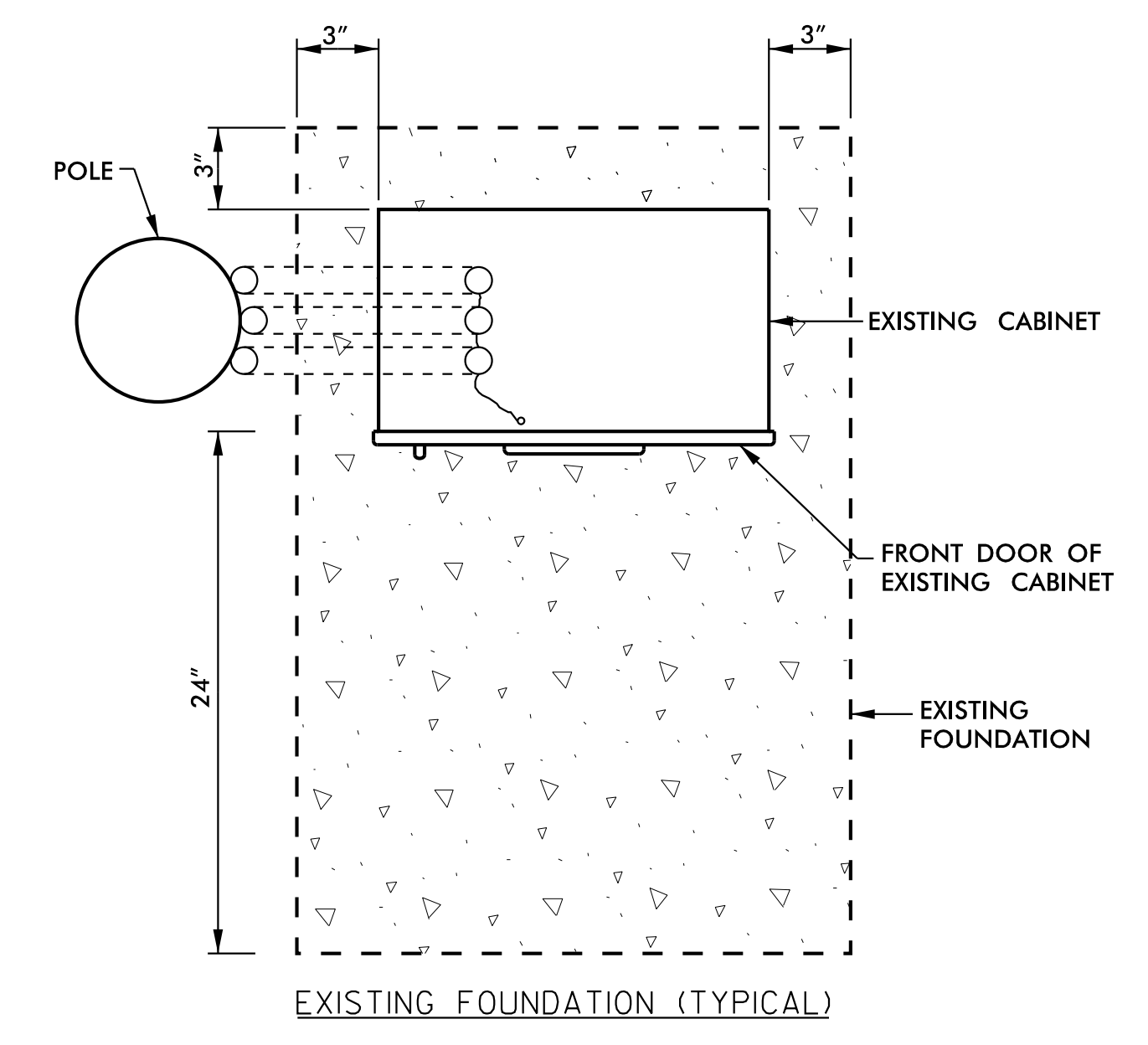
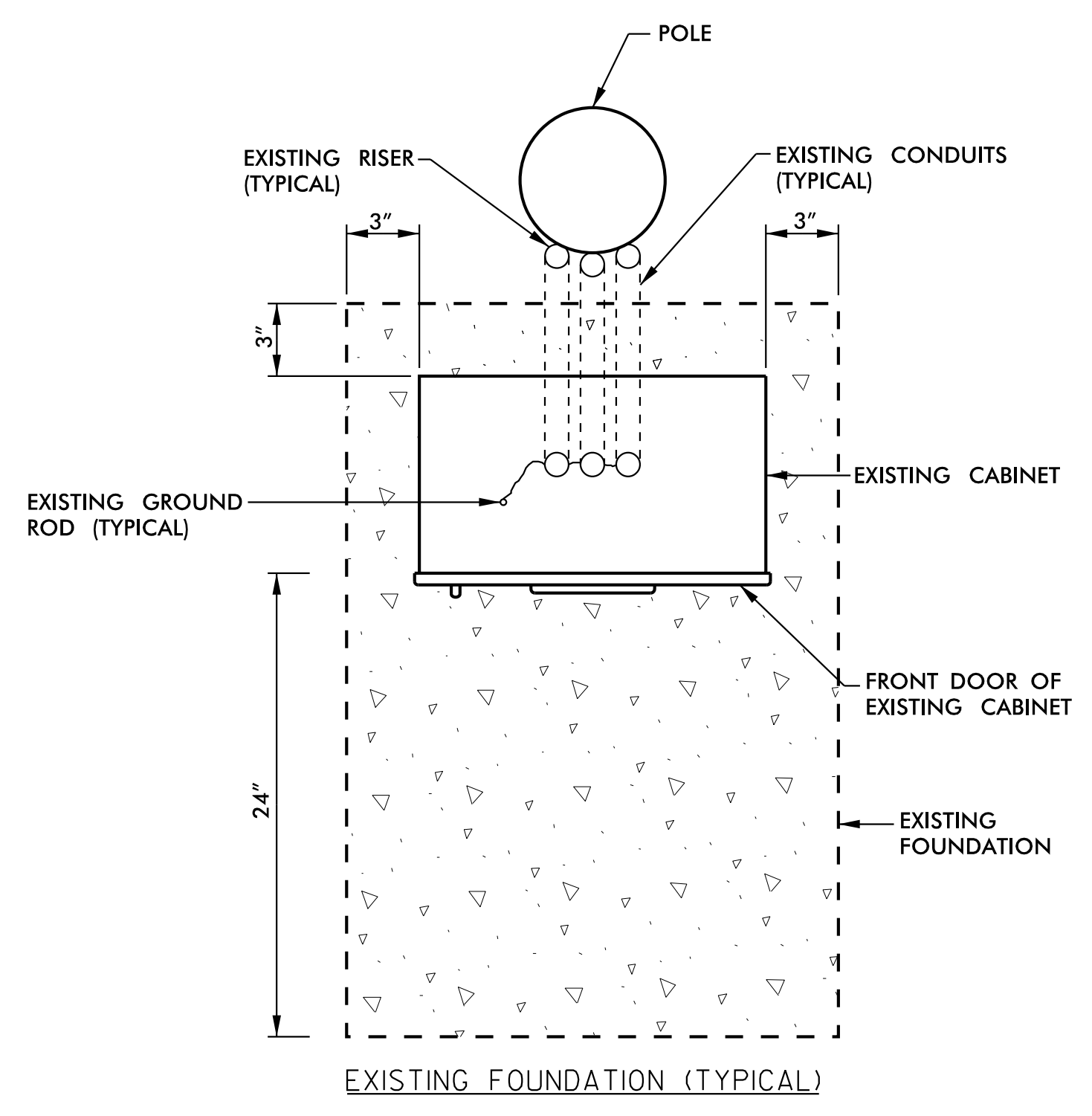
**TYPICAL BASE MOUNTED CABINET (NEW STANDARD FOUNDATION)**

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SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 I. VAN OSDELL  
 DATE 3/21/2022

	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM	
	CABINET DETAILS	
	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



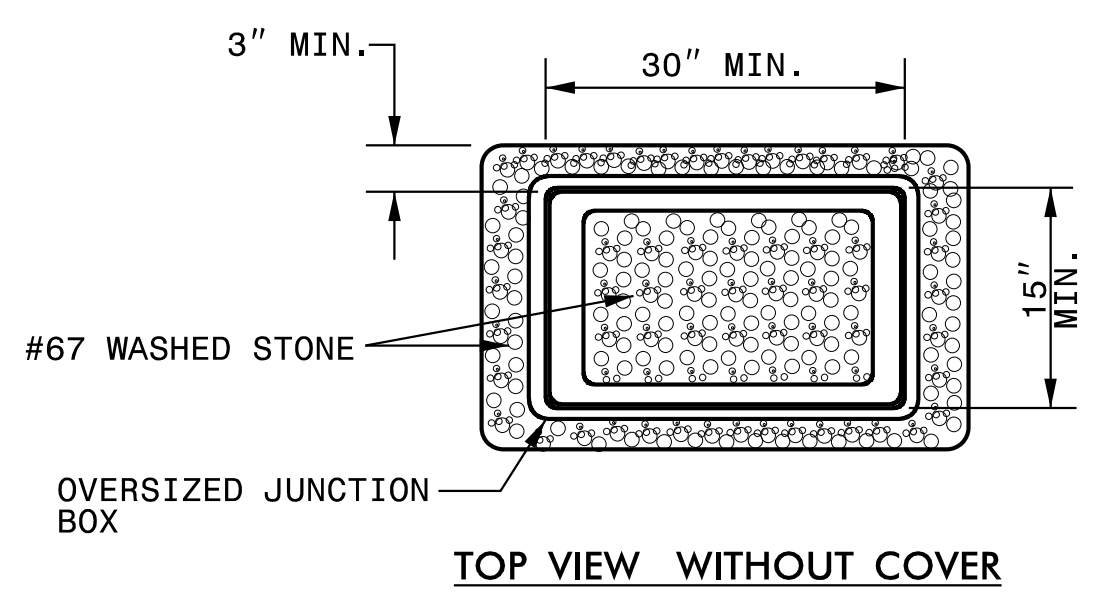
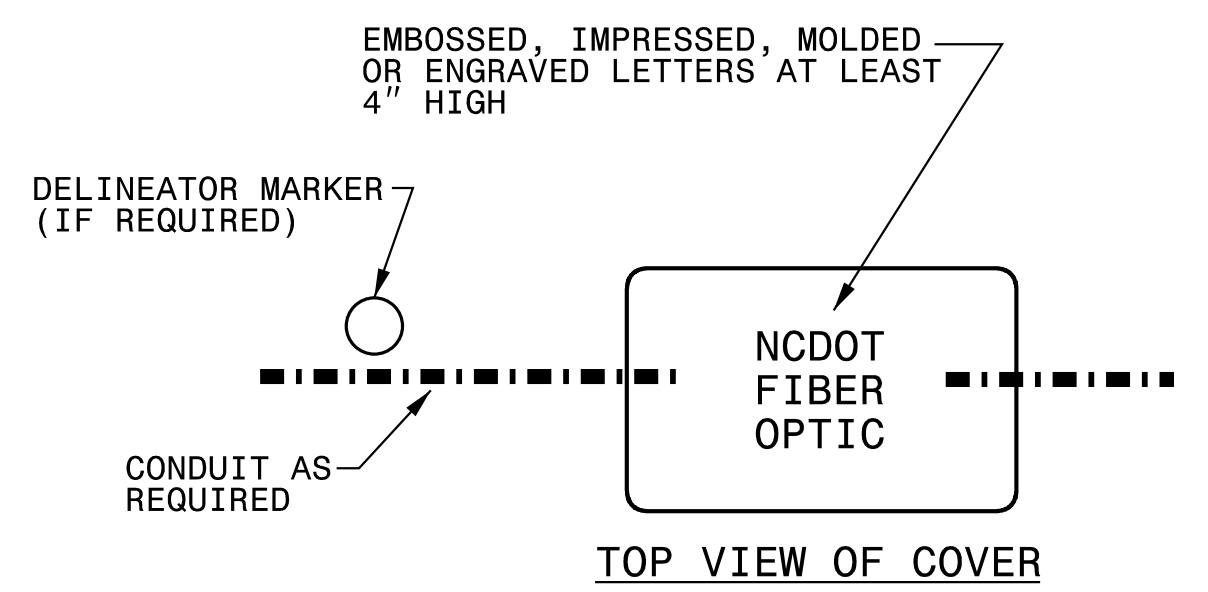
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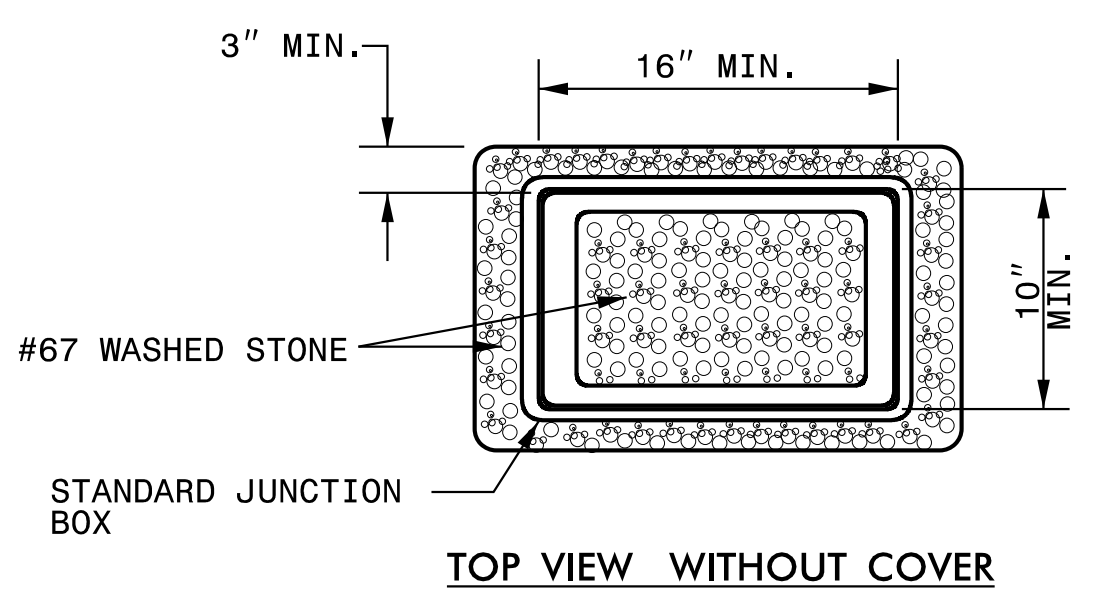
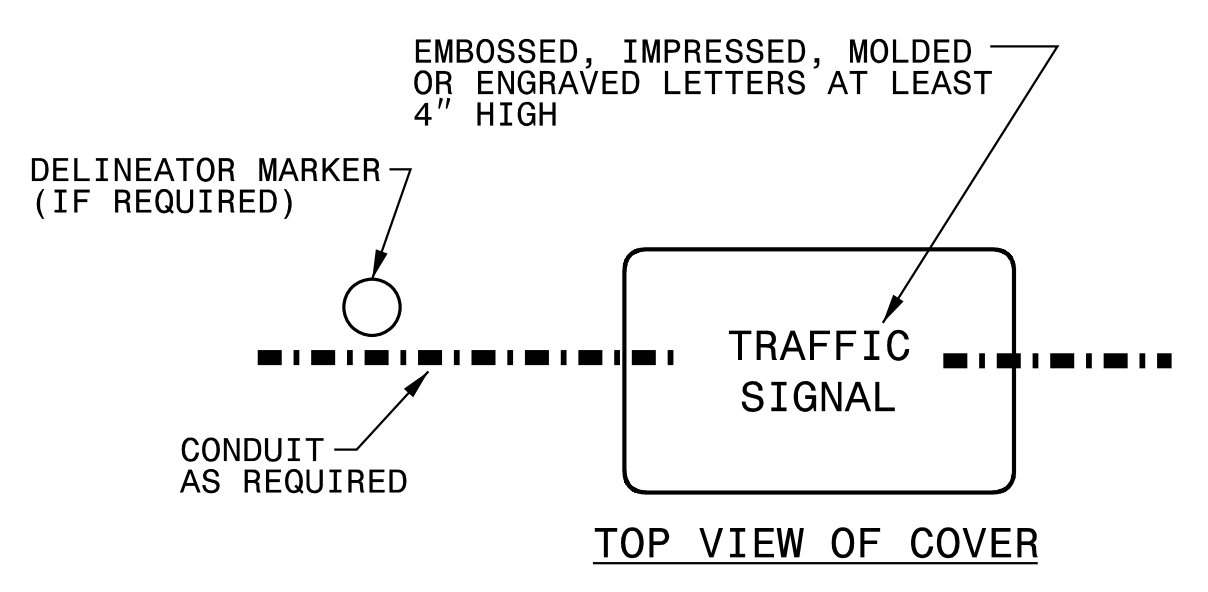
<p>Plans Prepared For:          Transportation Mobility and Safety Division          DEPARTMENT OF TRANSPORTATION          State of North Carolina          250 N. Greenfield Place, Garner, NC 27529</p>	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> <b>CABINET FOUNDATION DETAILS</b>		SEAL 							
	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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NO.	DESCRIPTION	INIT.	DATE							

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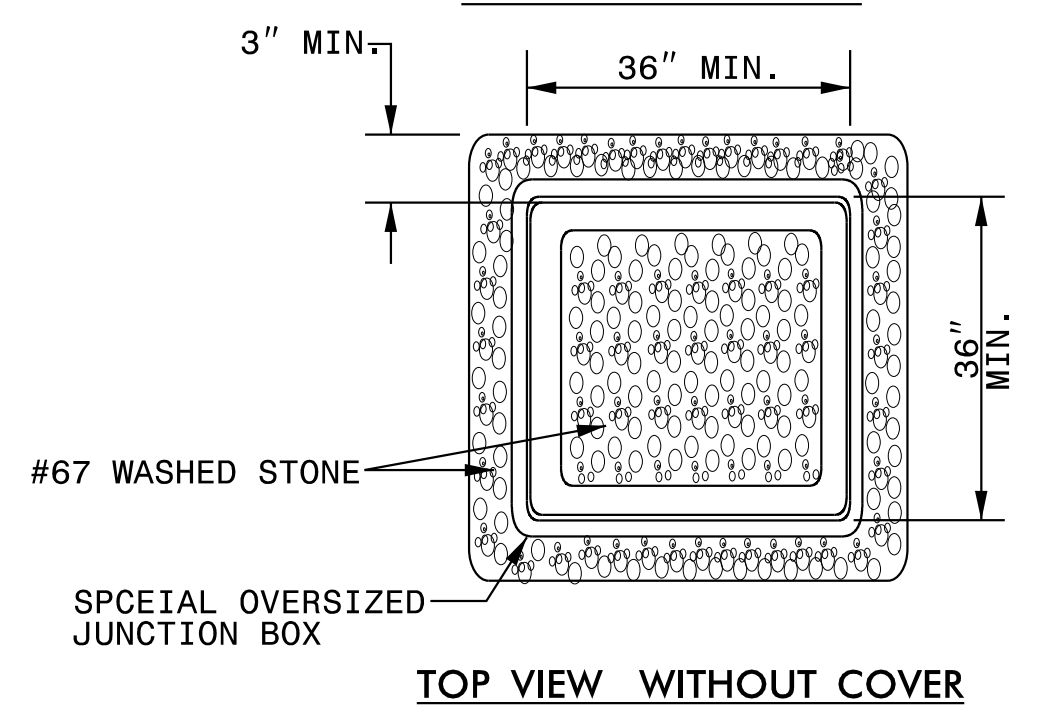
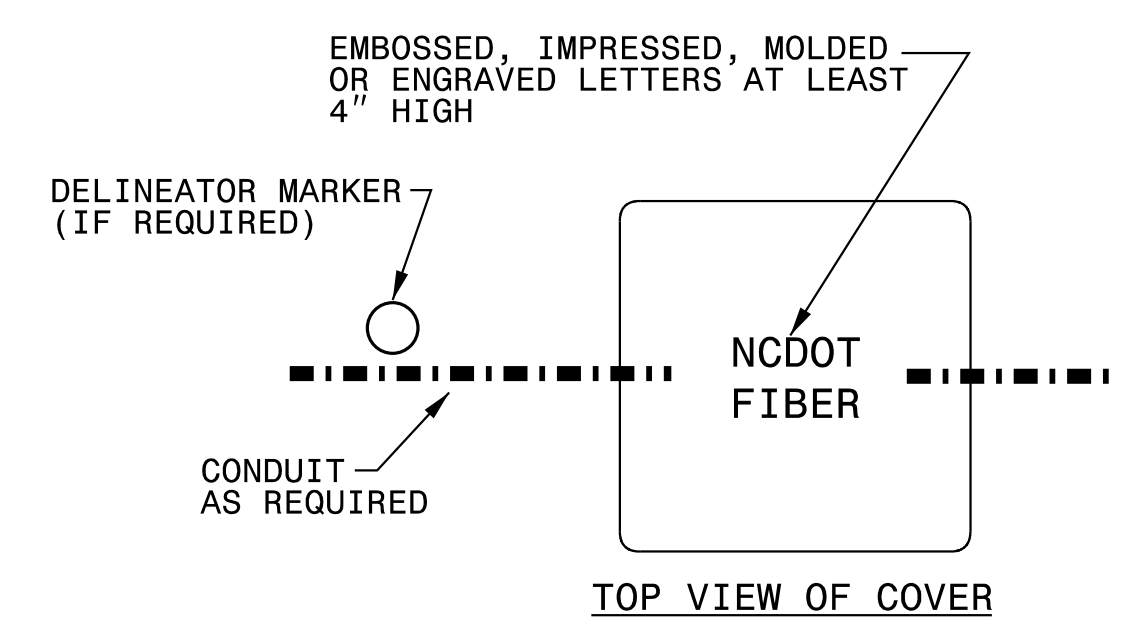




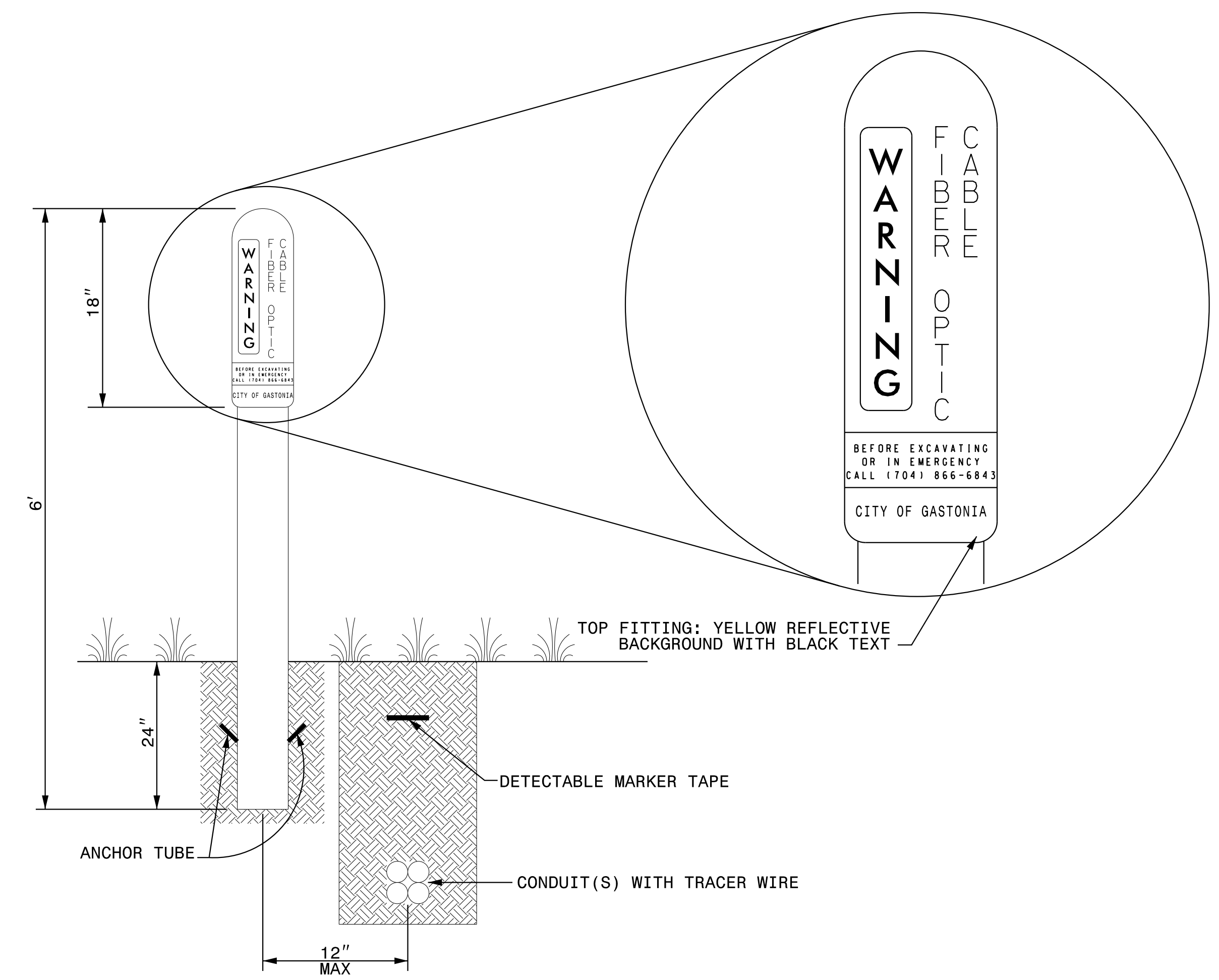
**OVERSIZED HEAVY DUTY JUNCTION BOX  
TYPICAL DETAIL**



**STANDARD JUNCTION BOX  
TYPICAL DETAIL**



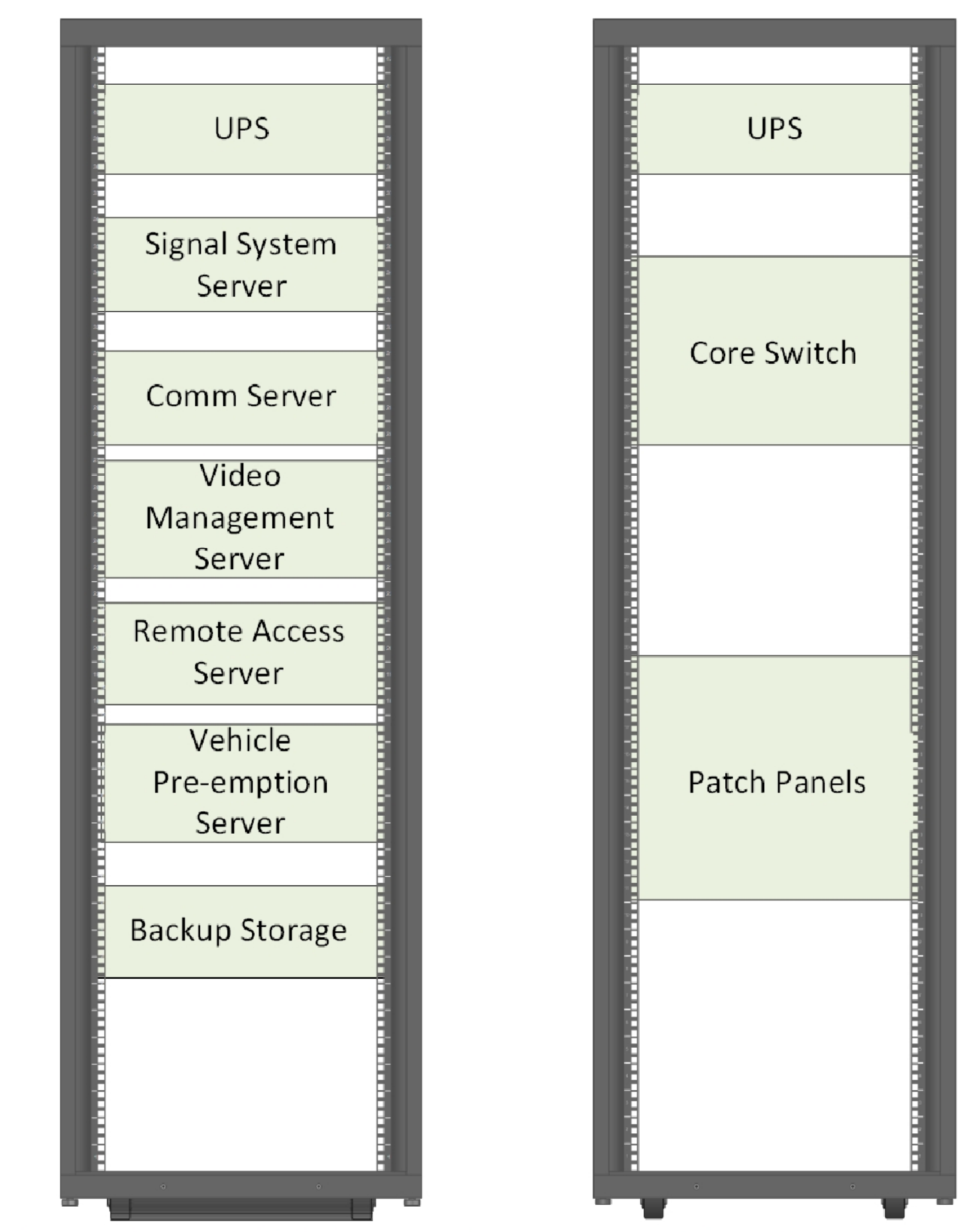
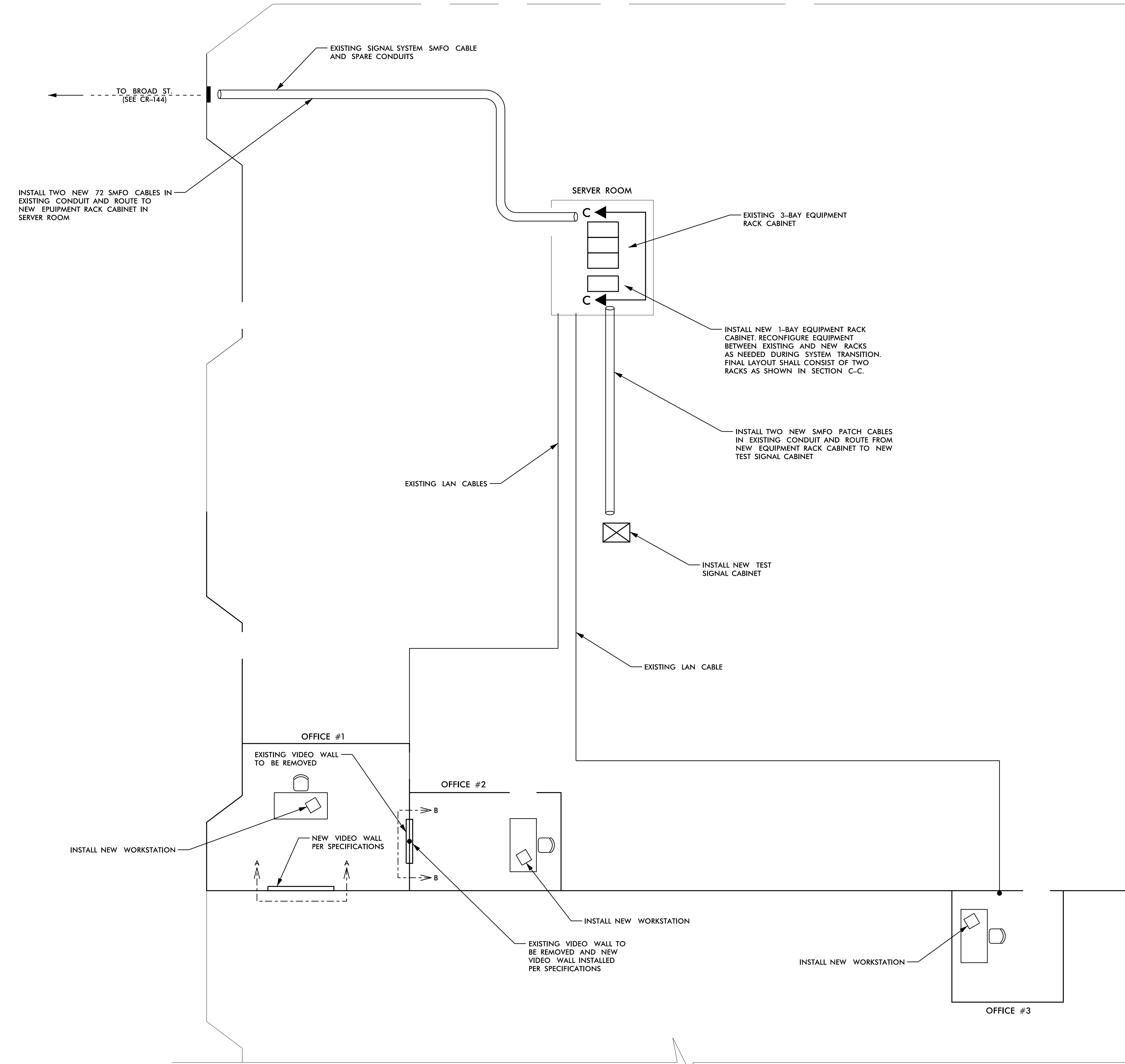
**SPECIAL OVERSIZED JUNCTION BOX  
TYPICAL DETAIL**



**PVC POST-MOUNTED DELINEATOR MARKER**  
NOTE:  
BACKFILL WITH EXCAVATED MATERIAL AND COMPACT THE SOIL TO 95% OF ITS ORIGINAL DENSITY. REMOVE ROCK AND DEBRIS FROM BACKFILL MATERIAL.

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	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM JUNCTION BOX AND DELINEATOR MARKER DETAILS</b>		
	DIVISION 12 PLAN DATE: DECEMBER 2021 PREPARED BY: S. BUTLER	GASTON COUNTY REVIEWED BY: K. SMITH REVIEWED BY: I. VAN OSDELL	



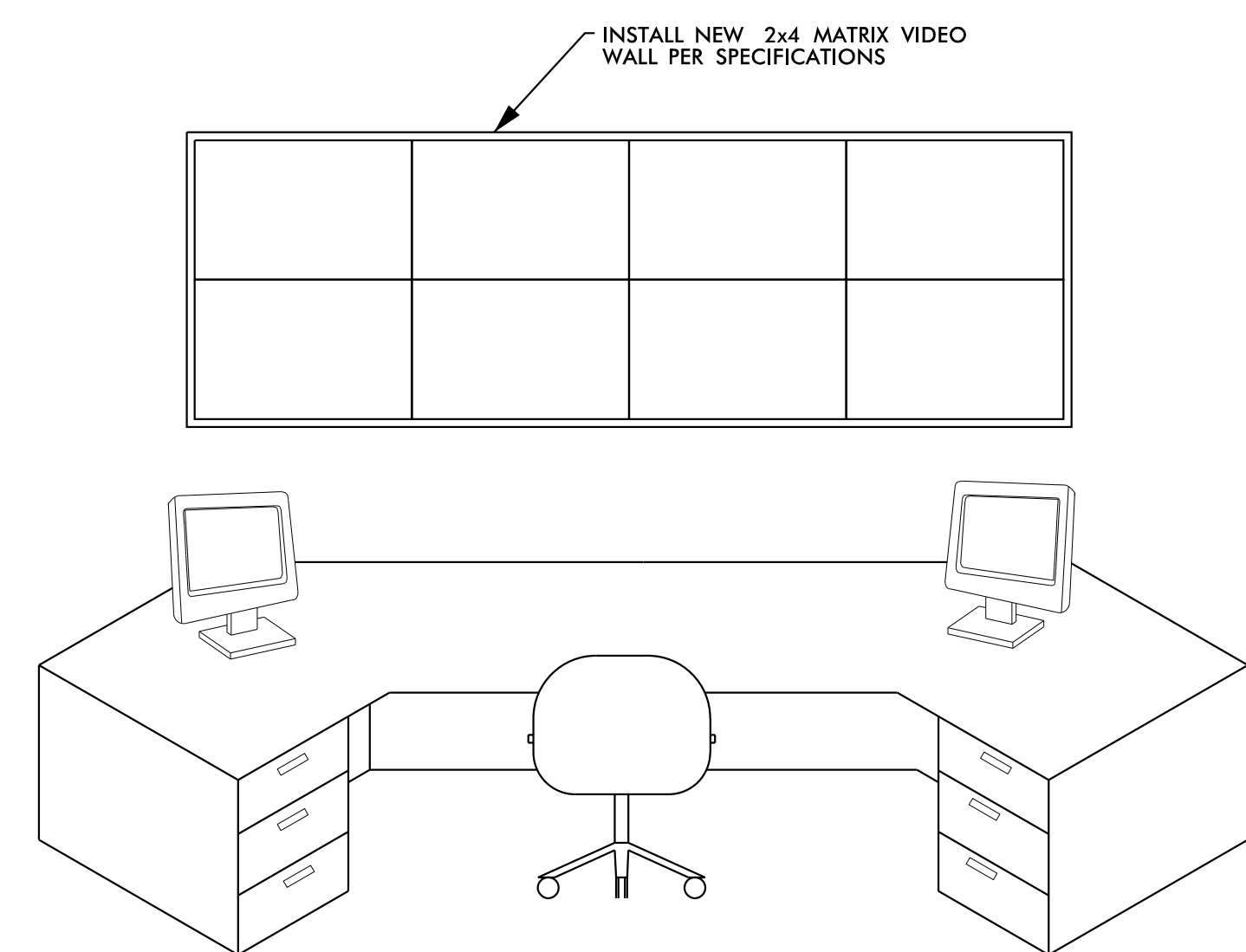
SECTION C-C  
FINAL RACK LAYOUTS

**NOTES:**  
1. SEE SHEET ITS-10 FOR SECTIONS A-A AND B-B.

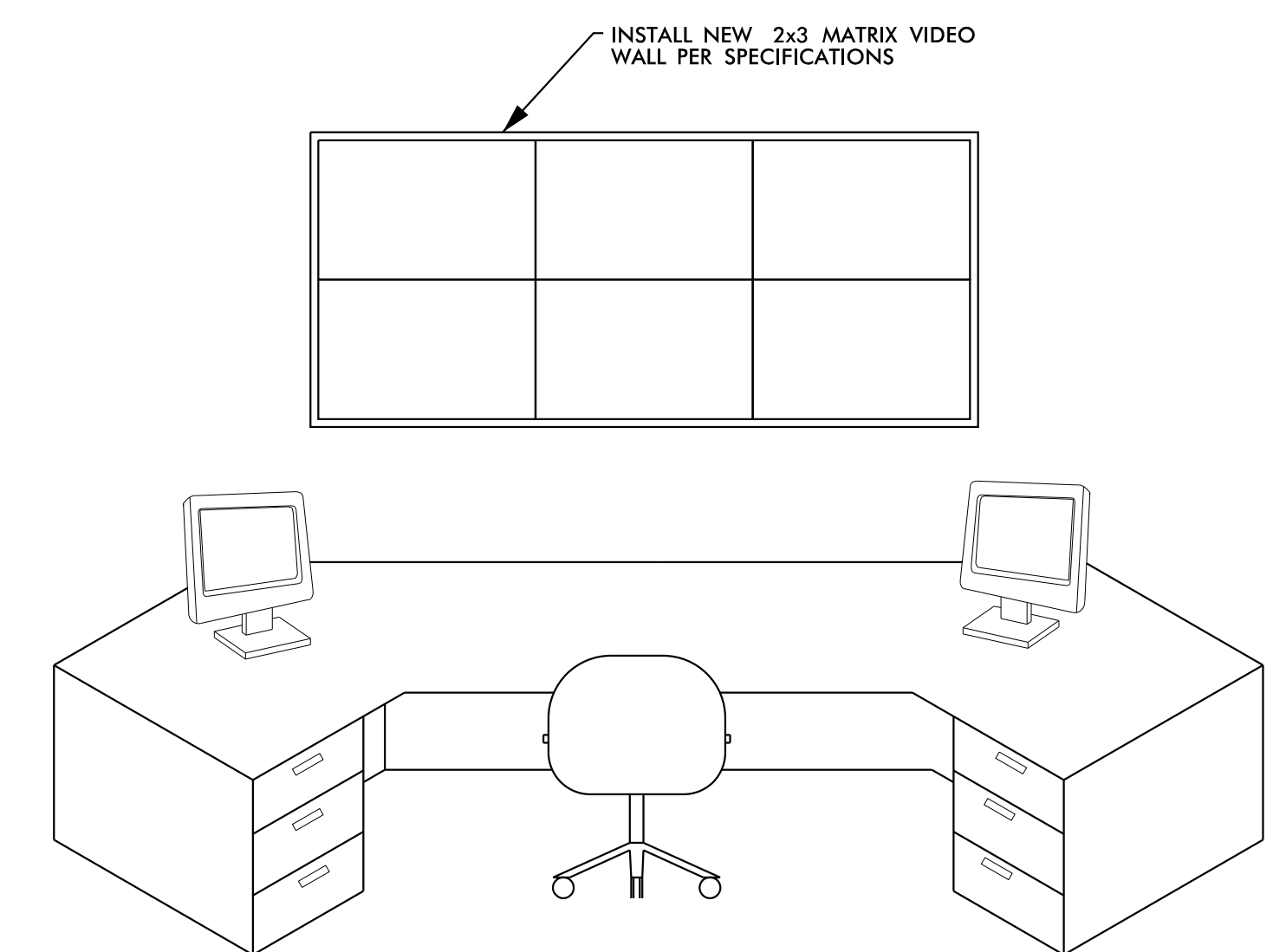
PLAN VIEW  
MUNICIPAL OPERATIONS CENTER

<p>Plans Prepared For: CITY OF GASTONIA 250 N. Greenfield Place, Garner, NC 27529</p>	<p>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM MUNICIPAL OPERATIONS CENTER MODIFICATIONS &amp; RACK LAYOUT</p>		<p>DocuSigned by: Igor Van Osdel 4/21/2022</p>					
	<p>DIVISION 12</p> <p>PLAN DATE: DECEMBER 2021</p> <p>PREPARED BY: S. BUTLER</p>	<p>GASTON COUNTY</p> <p>REVIEWED BY: K. SMITH</p> <p>REVIEWED BY: I. VAN OSDELL</p>		<p>SEAL</p> <p>REVISIONS</p> <table border="1"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE	
REVISIONS	INIT.	DATE						

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SECTION A-A  
OFFICE #1 IN MOC



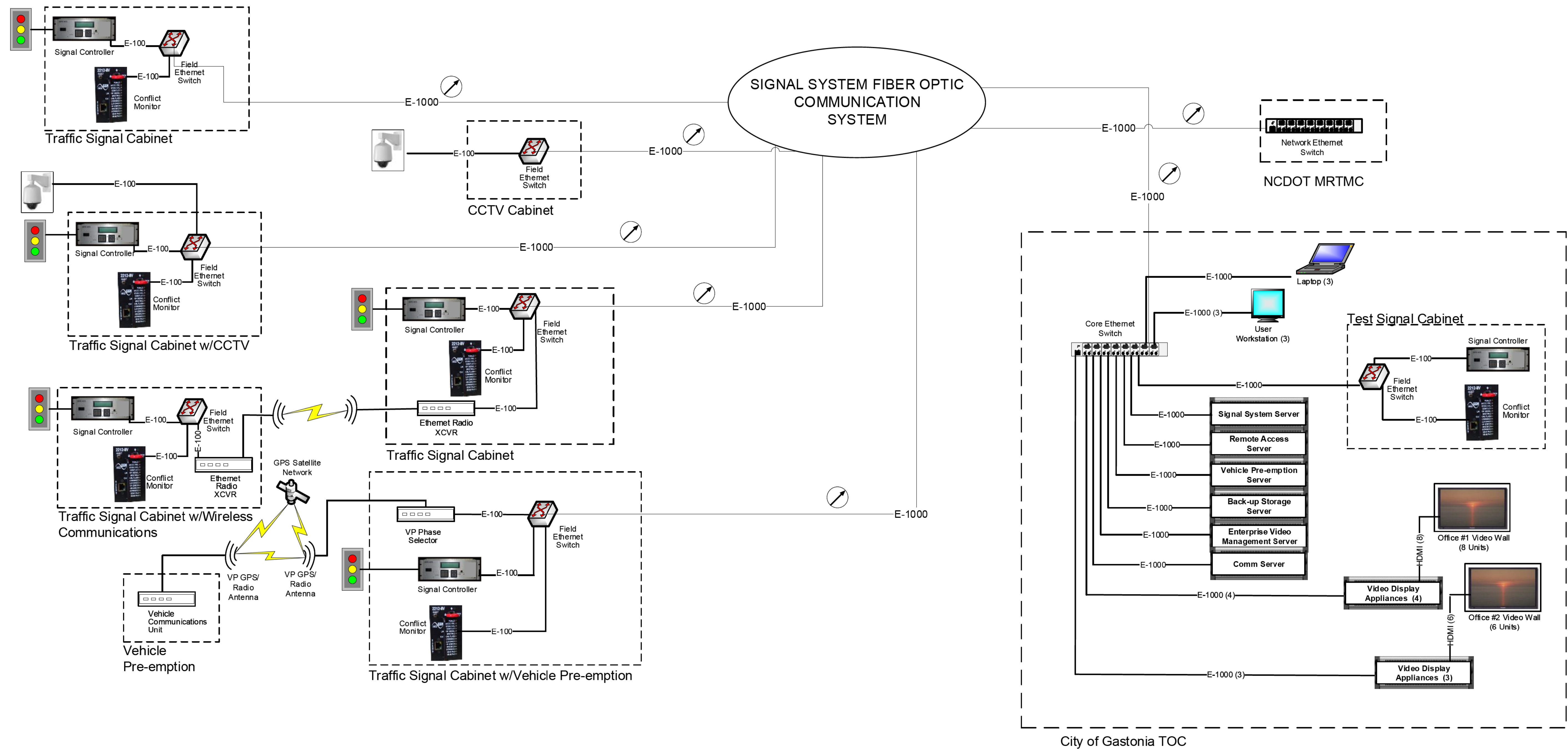
SECTION B-B  
OFFICE #2 IN MOC

PLAN VIEW  
MUNICIPAL OPERATIONS CENTER

3/21/2022 \\kimley-horn.com\SE\_RAL\NRA\TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psh\_10.dgn

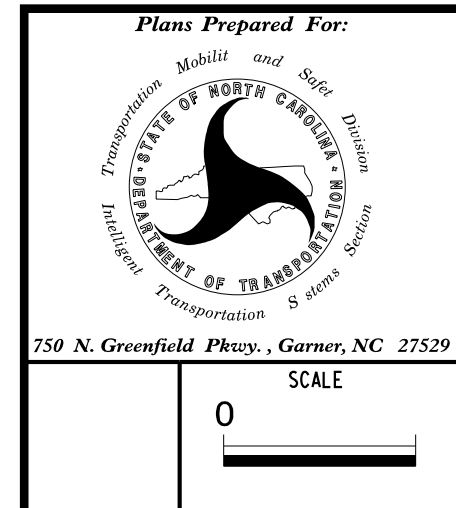
**Kimley»Horn**  
NC License #F-0102  
421 Fayetteville St., Suite 600  
Raleigh, NC 27601  
Tel: (919) 677-2000  
Fax: (919) 677-2050

	<b>CITY OF GASTONIA COMPUTERIZED TRAFFIC OPERATIONS CENTER VIDEO WALL</b>		
	DIVISION 12 GASTON COUNTY		
PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH		DocuSigned by: Igor Van Osdel 3/21/2022
PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL		
SCALE 0	REVISIONS	INIT.	DATE
CADD File name:			



4/21/2022 \\kimley-horn.com\SE-RAL\NRA\TPTO\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psn.ll.dgn

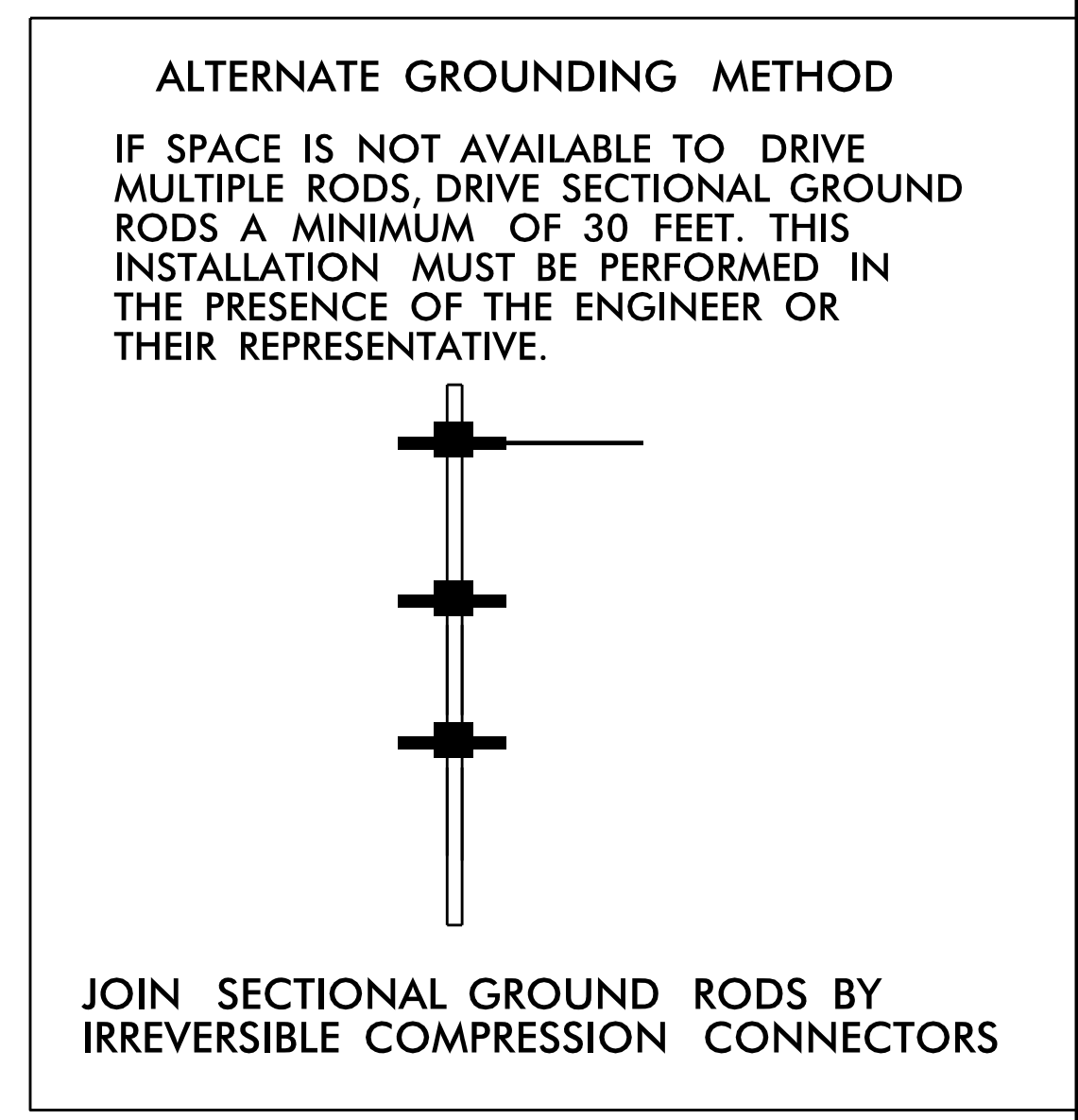
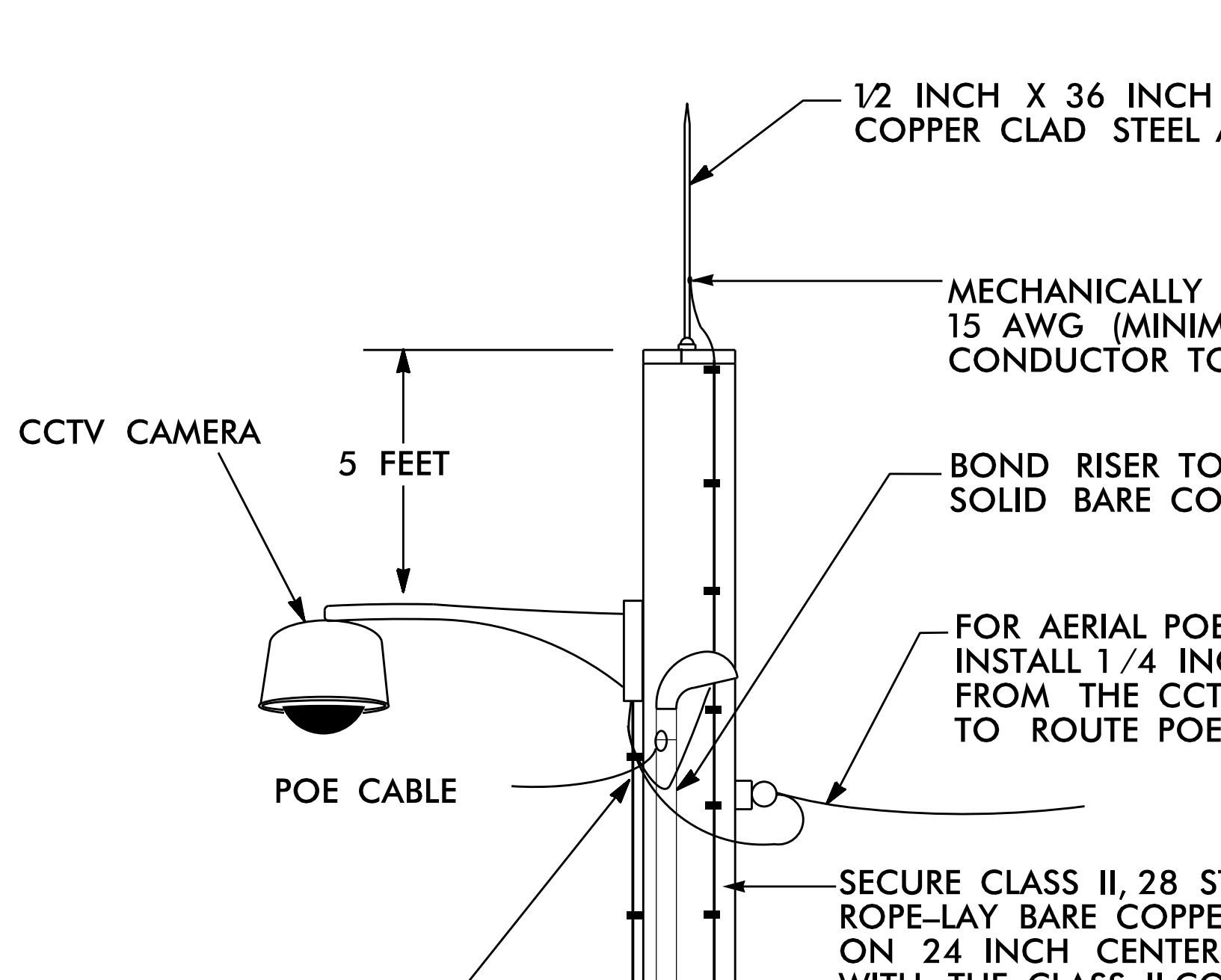
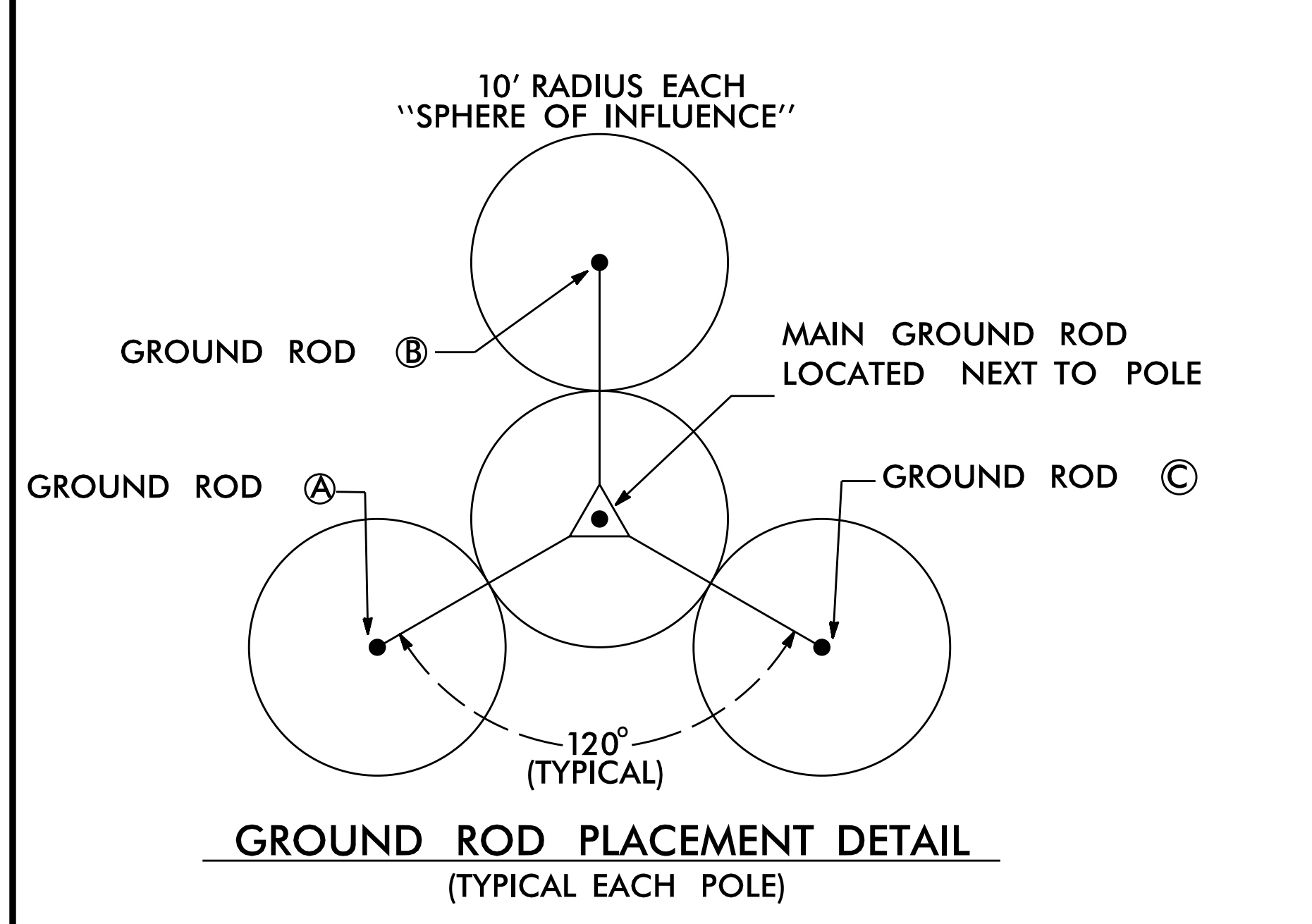
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**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SYSTEM BLOCK DIAGRAM**

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

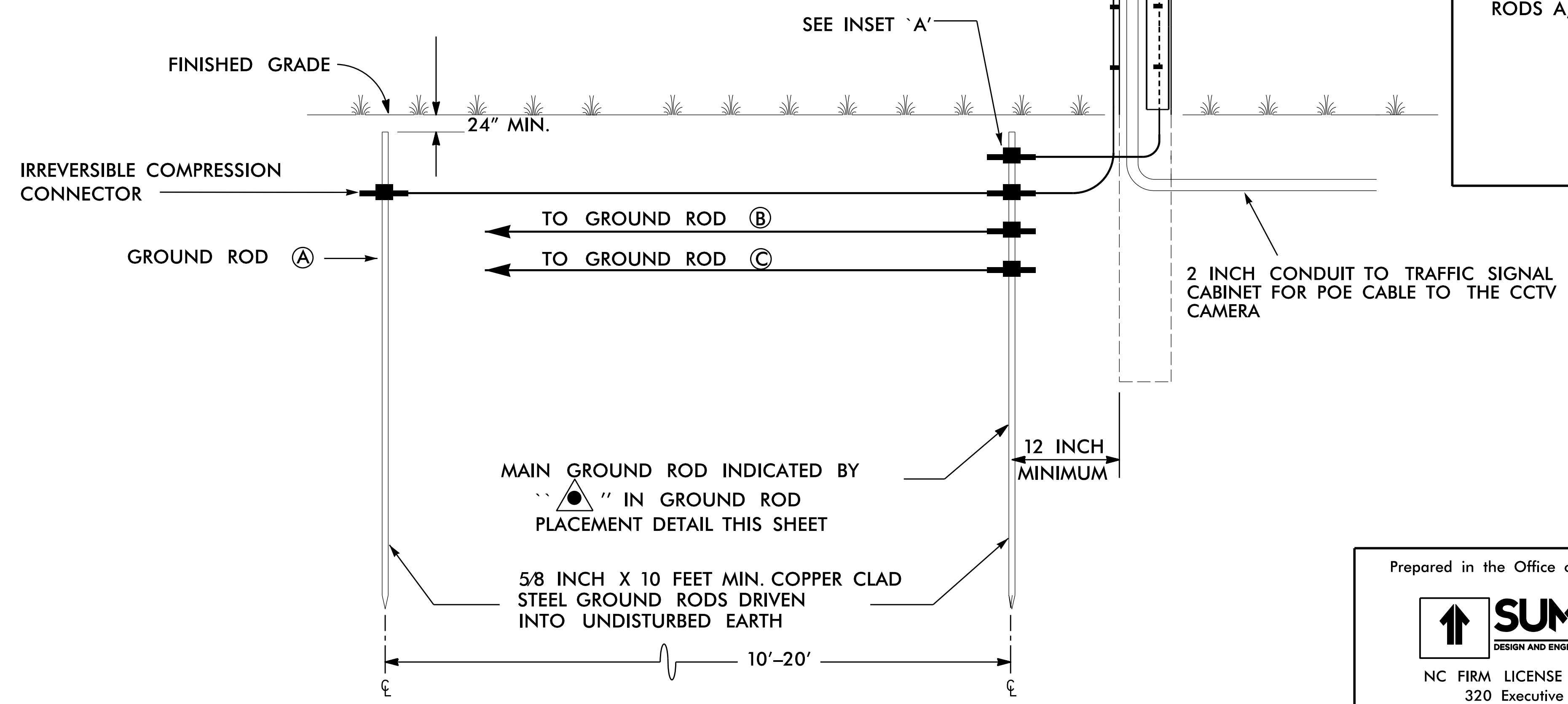
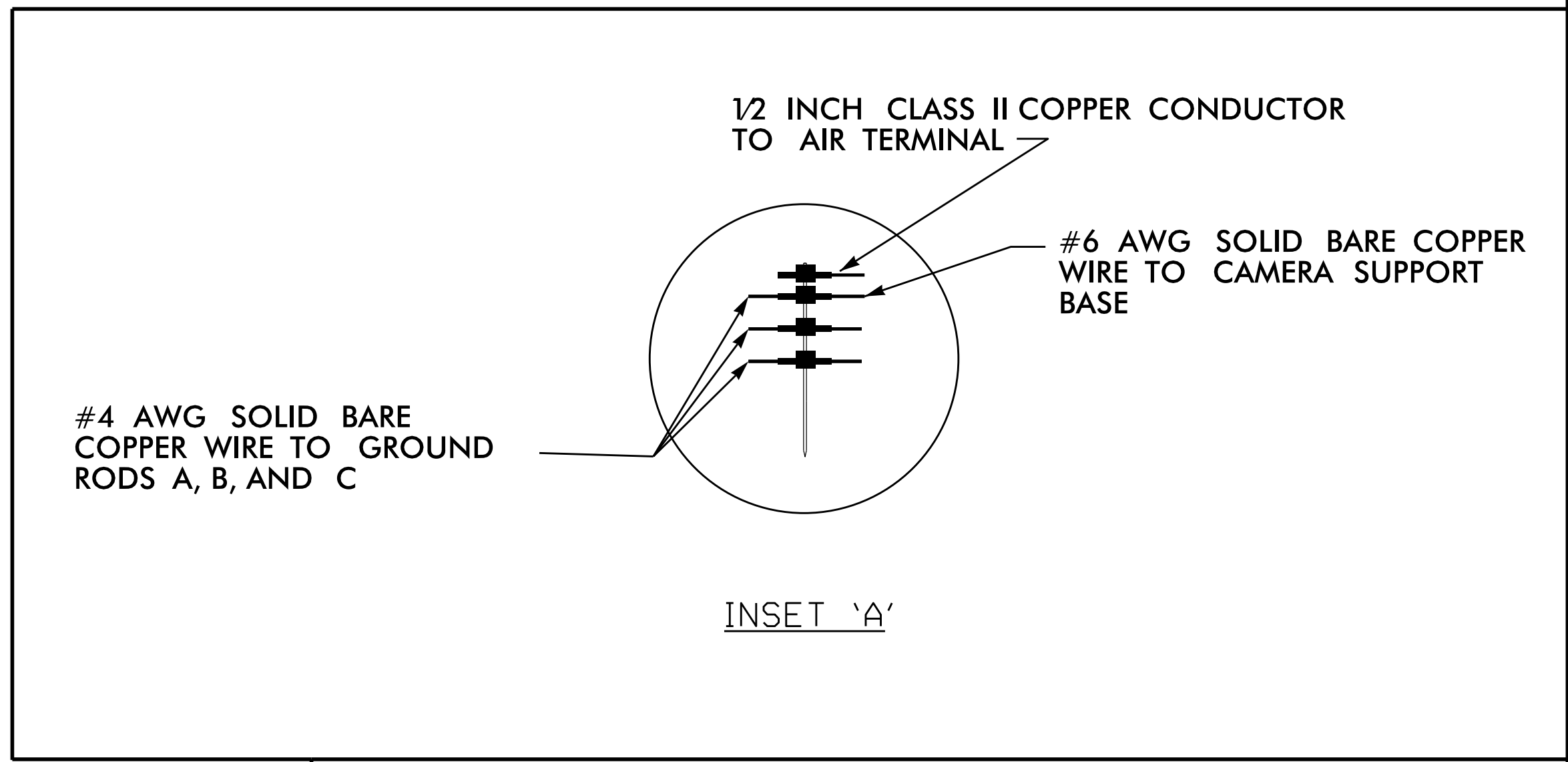
SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 028952  
 ROGER Z. VAN OSDEL  
 DocuSigned by:  
 Roger Van Osdel 4/21/2022  
 DATE  
 CADD File name:



BOND CCTV TO GROUND ROD USING A #6 SOLID BARE COPPER WIRE. BOND #6 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.

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

FOR UNDERGROUND POE CABLE TO THE CCTV CAMERA: INSTALL 2 INCH RIGID GALVANIZED STEEL RISER WITH WEATHERHEAD FOR POE CABLE TO CCTV CAMERA.



**NOTES:**

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. ALL OTHER CONNECTIONS TO GROUND RODS SHALL BE MADE USING IRREVERSIBLE COMPRESSION CONNECTOR.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS. THIS INSTALLATION MUST BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR THEIR REPRESENTATIVE.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

NC FIRM LICENSE No: P-0339  
320 Executive Court  
Hillsborough, NC 27278  
(919) 732-3883  
(919) 732-6676 (FAX)

Prepared for the Offices of:

750 N. Greenfield Place, Garner, NC 27529

SCALE: N.T.S.

Gastonia Computerized Signal System  
CCTV Camera Wood Pole  
Typical Detail

Division 12 Gaston County

PLAN DATE: February 2022 REVIEWED BY: S. Yow  
PREPARED BY: J. Smith REVIEWED BY: G. Fuller

REVISIONS	INIT.	DATE

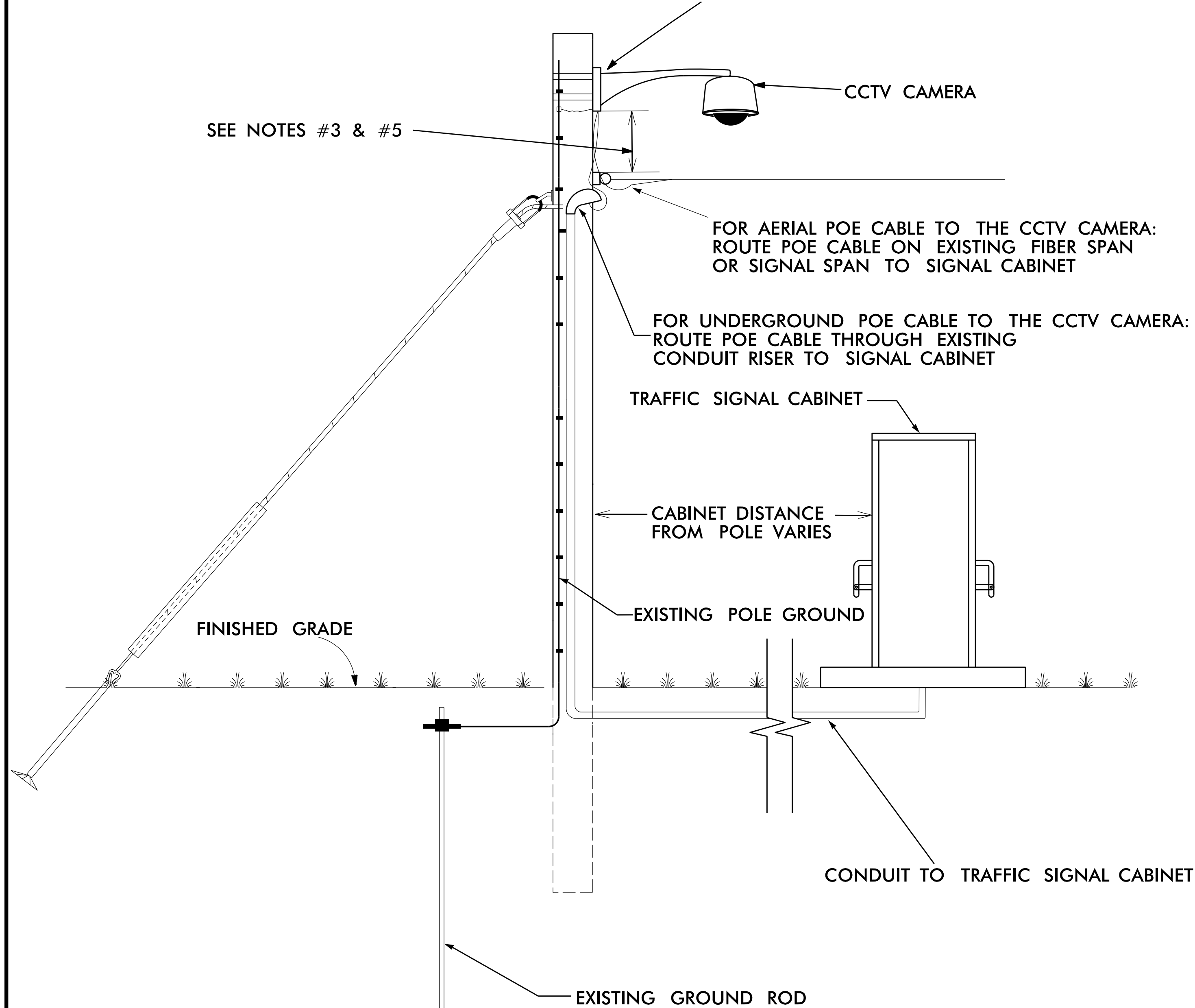
SEAL

DocuSigned by: Gregory A. Fuller 2/11/2022

CADD Filename:

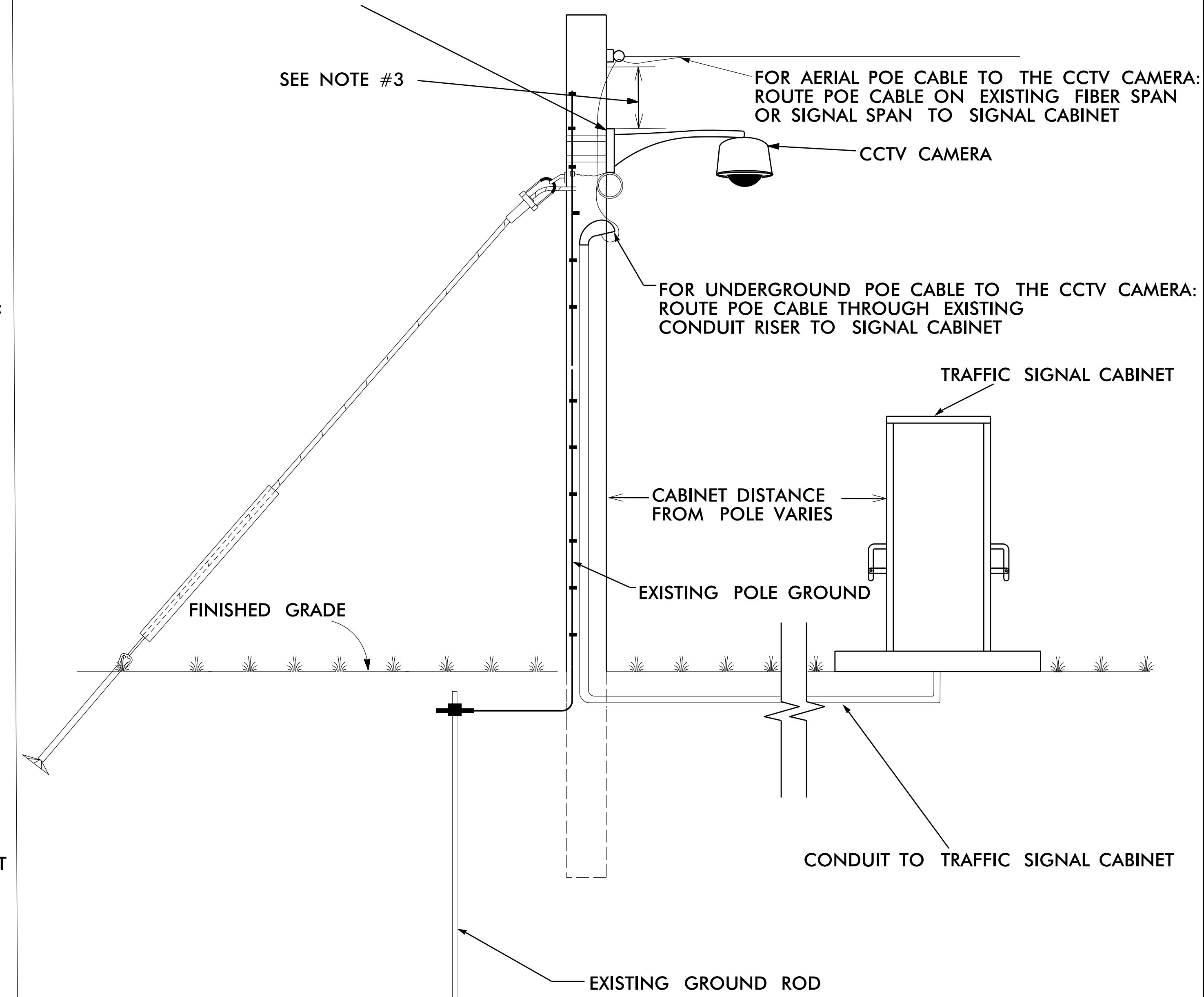
## CCTV INSTALLATION ON WOOD SIGNAL POLE ABOVE SPAN

BOND CCTV TO POLE GROUND USING A #6 SOLID BARE COPPER WIRE. BOND #6 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.



## CCTV INSTALLATION ON WOOD SIGNAL POLE BELOW SPAN

BOND CCTV TO POLE GROUND USING A #6 SOLID BARE COPPER WIRE. BOND #6 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.



**NOTES:**

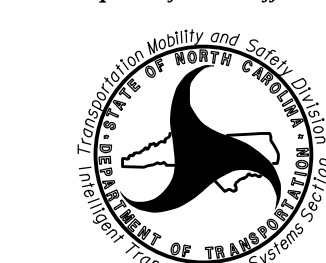
1. TERMINATE POE CABLE IN TRAFFIC SIGNAL CABINET AND CONNECT TO FIELD ETHERNET SWITCH.
2. BAND CCTV CAMERA MOUNTING BRACKET TO POLE USING STAINLESS STEEL STRAPS.
3. REFER TO COMMUNICATION CABLE AND CONDUIT ROUTING PLANS FOR PLACEMENT OF CCTV CAMERA ON THE POLE.
4. MAINTAIN 12 INCHES CLEARANCE FROM ALL EXISTING SIGNAL/FIBER SPANS AND 40 INCHES FROM EXISTING POWER.
5. IN LOCATIONS WHERE DISTANCE FROM CCTV TO MESSENGER CABLE EXCEEDS 12 INCHES, INSTALL 1-INCH PVC U-GUARD(S) TO PROTECT POE CABLE.

Prepared in the Office of:



NC FIRM LICENSE No: P-0339  
320 Executive Court  
Hillsborough, NC 27278  
(919) 732-3883  
(919) 732-6676 (FAX)

Prepared for the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

SCALE  
N. T. S.

Gastonia Computerized  
Signal System  
CCTV Camera Wood Signal Span Pole  
Typical Detail

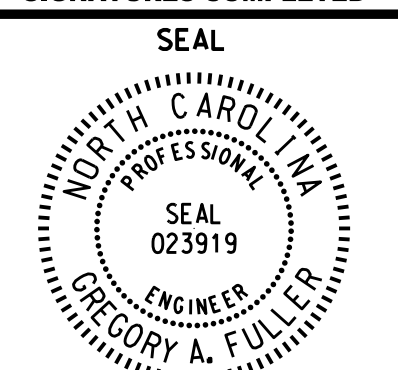
Division 12 Gaston County

PLAN DATE: February 2022 REVIEWED BY: S. Yow

PREPARED BY: J. Smith REVIEWED BY: G. Fuller

REVISIONS	INIT.	DATE

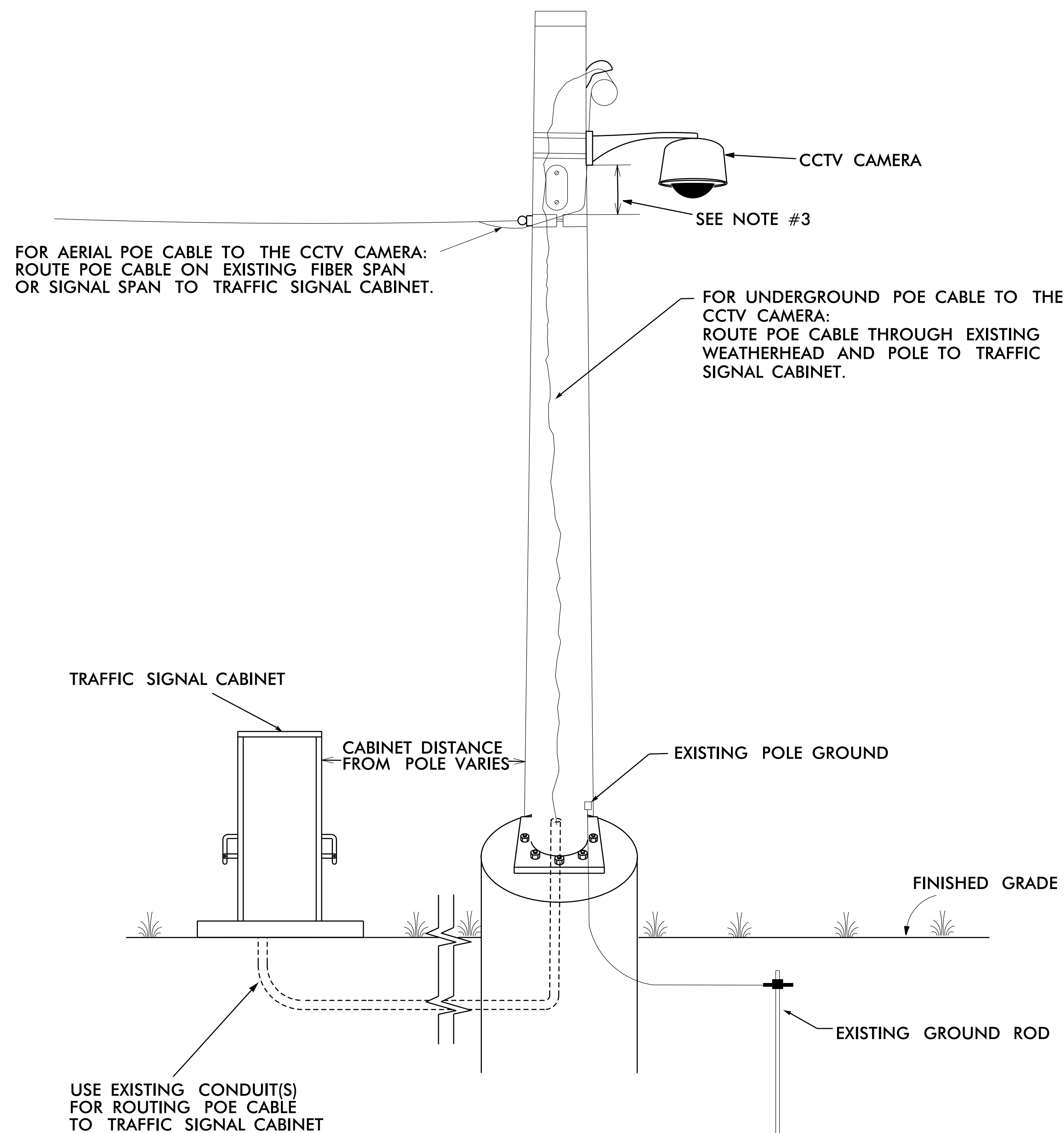
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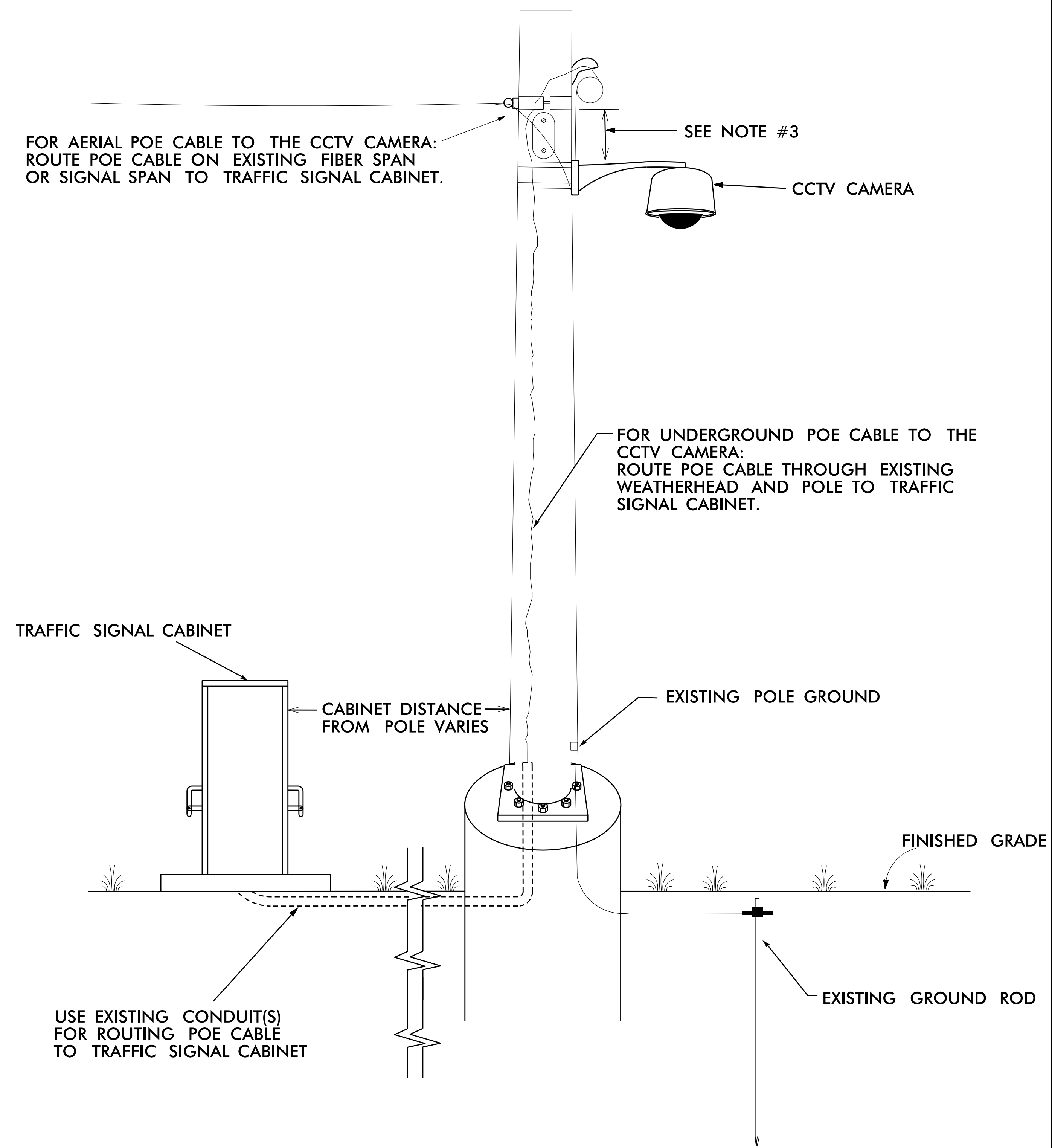
DocuSigned by:  
Gregory A. Fuller 2/11/2022  
DATE

CADD Filename:

### CCTV INSTALLATION ON METAL STRAIN POLE ABOVE SPAN



### CCTV INSTALLATION ON METAL STRAIN POLE BELOW SPAN



**NOTES:**

1. TERMINATE POE CABLE IN TRAFFIC SIGNAL CABINET AND CONNECT TO FIELD ETHERNET SWITCH.
2. BAND CCTV CAMERA MOUNTING BRACKET TO POLE USING STAINLESS STEEL STRAPS.
3. REFER TO COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS FOR PLACEMENT OF CCTV CAMERA ON THE POLE.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:  NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	Prepared for the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529	Gastonia Computerized Signal System CCTV Camera Metal Strain Pole Typical Detail		SEAL  GREGORY A. FULLER ENGINEER
		Division 12 PLAN DATE: February 2022 PREPARED BY: J. Smith	Gaston County REVIEWED BY: S. Yow REVIEWED BY: G. Fuller	

DocuSigned by: Gregory A. Fuller 2/11/2022  
CADD Filename:

Reference								Signal Cabinets				Cabinet Foundations				
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	69	69	33	-	-	73	34	34
									Remove Existing Base Mounted Cabinet	Remove Existing Pole Mounted Cabinet	Install New Base Mounted 332 Cabinet with Aux File	Install Cabinet Base Extender	Reuse Existing Signal Cabinet Foundation	Modify Existing Signal Cabinet Foundation	Install New Signal Cabinet Foundation (Same Quadrant)	Install New Signal Cabinet Foundation (Different Quadrant)
1	12-0012		Bessemer City Rd. (NC 274)	Dallas-Bessemer City Rd. (NC 275)/ Oates Rd. (SR 1312)	179	13	128	Sig.1.0	1		1	1	1			
2	12-0016		York Rd. (US 321)	Hudson Blvd. (SR 1255)	92	10	105	Sig.2.0	1		1	1	1			
3	12-0017		Chester St. (US 321)	Davidson Ave.	125	15	152	Sig.3.0	1		1	1	1			
4	12-0023		Chester St. (US 321)	I-85 SB ramp (Exit 17)	129	15	155	Sig.4.0	1		1	1	1			
5	12-0029		Franklin Blvd. (US 29/74)	Myrtle School Rd. (SR 1136)	9	12	126	Sig.5.0	1		1	1	1			
6	12-0030		Franklin Blvd. (US 29/74)	Bessemer City Rd./ Garrison Blvd. (SR 2466)	12	12	127	Sig.6.0	1		1	1	1			
7	12-0031		Franklin Blvd. (US 29/74)	Webb St.	14	14	137	Sig.7.0	1		1	1	1			
8	12-0032		Franklin Blvd. (US 29/74)	Linwood Rd. (SR 1131)/ Gaston Ave. (SR 1339)	14	14	137	Sig.8.0	1		1	1	1			
9	12-0033		Franklin Blvd. (US 29/74)	Vance St.	27	14	141	Sig.9.0	1		1	1	1			
10	12-0034		Franklin Blvd. (US 29/74)	Firestone Blvd.	27	14	142	Sig.10.0	1		1	1	1			
11	12-0035		Franklin Blvd. (US 29/74)	Weldon St.	28	14	143	Sig.11.0		1	1	1				1
12	12-0037		Franklin Blvd. (US 29/74)	Whitesides St.	29	14	147	Sig.12.0		1	1	1			1	
13	12-0038		Franklin Blvd. (US 29/74)	Chester St. (US 321)	30	14	146	Sig.13.0	1		1	1	1			
14	12-0039		Franklin Blvd. (US 29/74)	York Rd. (US 321)	30	5	036	Sig.14.0		1	1	1			1	
15	12-0040		Franklin Blvd. (US 29/74)	South St.	31	5	038	Sig.15.0	1		1	1	1			
16	12-0041		Franklin Blvd. (US 29/74)	Marietta St./ Dr. M.L.K. Jr. Way	31	5	039	Sig.16.0	1		1	1	1			
17	12-0042		Franklin Blvd. (US 29/74)	Oakland St.	32	5	041	Sig.17.0		1	1	1			1	
18	12-0043		Franklin Blvd. (US 29/74)	Broad St.	32	5	042	Sig.18.0	1		1	1	1			
19	12-0044		Franklin Blvd. (US 29/74)	Avon St.	33	4	030	Sig.19.0	1		1	1	1			
20	12-0045		Franklin Blvd. (US 29/74)	Chestnut St.	34	4	031	Sig.20.0	1		1	1	1			
21	12-0046		Franklin Blvd. (US 29/74)	Church St.	34	4	032	Sig.21.0	1		1	1	1			
22	12-0047		Franklin Blvd. (US 29/74)	Belvedere Ave.	35	4	033	Sig.22.0	1		1	1	1			
23	12-0048		Franklin Blvd. (US 29/74)	Thomas St./ Belvedere Ave.	36	4	034	Sig.23.0	1		1	1	1			
24	12-0049		Franklin Blvd. (US 29/74)	Beverly Dr.	37	4	035	Sig.24.0	1		1	1	1			
25	12-0050		Franklin Blvd. (US 29/74)	New Hope Rd. (NC 279)	38	2	017	Sig.25.0	1		1	1	1			
26	12-0053		New Hope Rd. (NC 279)	Ozark Ave (NC 7)	170	2	013	Sig.26.0	1		1	1	1			
27	12-0058		Airline Ave. (SR 1339)	Highland St.	108	15	148	Sig.27.0		1	1	1			1	
28	12-0059		Gaston Ave. (SR 1339)	Ransom St.	107	15	149	Sig.28.0	1		1	1	1			
29	12-0060		Gaston Ave. (SR 1339)	Firestone St.	107	15	149	Sig.29.0	1		1	1	1			
30	12-0061		Linwood Rd. (SR 1131)	Second Ave.	15	14	138	Sig.30.0	1		1	1	1			
31	12-0063		Linwood Rd. (SR 1131)	Spencer Ave.	56	14	139	Sig.31.0	1		1	1	1			
32	12-0065		York Rd. (US 321)	Clyde St.	132	11	117	Sig.32.0	1		1	1	1			
33	12-0066		York Rd. (US 321)	Carolina Ave.	134	11	116	Sig.33.0	1		1	1	1			
34	12-0067		York Rd. (US 321)	Jackson Rd.	136	11	115	Sig.34.0	1		1	1	1			
35	12-0068		York Rd. (US 321)	Garrison Blvd. (SR 2466)	59	11	113	Sig.35.0	1		1	1	1			
36	12-0069		Chester St. (US 321)	Garrison Blvd. (SR 2466)	137	11	113	Sig.36.0	1		1	1	1			
37	12-0071		Chester St. (US 321)	Fifth Ave.	138	11	112	Sig.37.0	1		1	1	1			
38	12-0072		York St. (US 321)	Third Ave.	139	11	111	Sig.38.0		1	1	1			1	
39	12-0073		York Rd. (US 321)	Second Ave.	20	5	037	Sig.39.0		1	1	1			1	
40	12-0074		Chester St. (US 321)	Second Ave.	20	14	145	Sig.40.0		1	1	1			1	
41	12-0077		Franklin Blvd. (US 29/74)	Cox Rd./ Armstrong Park Rd. (SR 2200)	42	3	023	Sig.41.0	1		1	1	1			
42	12-0079		New Hope Rd. (NC 279)	Garrison Blvd./ Amrstrong Park Dr. (SR 2466)	69	9	093	Sig.42.0	1		1	1	1			
43	12-0080		Wilkinson Blvd. (US 29/74)	Groves St. (SR 2213)	51	6	050	Sig.43.0	1		1	1	1			
44	12-0086		York Rd. (US 321)	Main Ave.	111	5	036	Sig.44.0	1		1	1	1			
45	12-0096		Garrison Blvd. (SR 2466)	Chestnut St.	64	9	089	Sig.45.0	1		1	1	1			
46	12-0097		Dr. M.L.K. Jr. Way (SR 2278)	Walnut Ave.	140	1	002	Sig.46.0	1		1	1	1			
47	12-0098		Union Rd. (NC 274)	Garrison Blvd. (SR 2466)	61	9	088	Sig.47.0	1		1	1	1			
48	12-0102		Broad St.	Second Ave.	22	5	042	Sig.48.0	1		1	1	1			
49	12-0103		New Hope Rd. (NC 279)	Hudson Blvd. (SR 1255)/ Titman Rd. (SR 2478)	80	7	055	Sig.49.0	1		1	1	1			
50	12-0151		Wilkinson Blvd. (US 29/74)	Main St./Redbud Dr. (SR 2329)	49	6	047	Sig.50.0	1		1	1	1			

3/21/2022 \\kimley-horn.com\SE-RAL\NRL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psn\_L5.dgn

**Kimley»Horn**  
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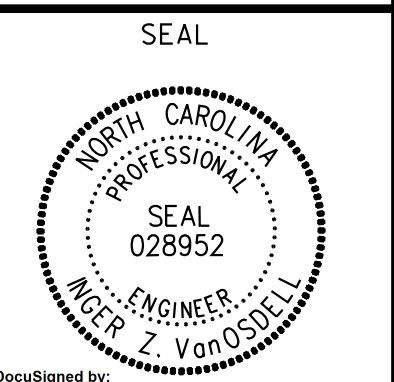
**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SUMMARY OF WORK BY INTERSECTION**

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

DocuSign by: *Inger Van OsdeLL* 3/21/2022  
 CADD File name: \_\_\_\_\_

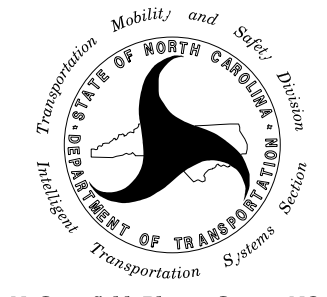





Reference								Controllers		Preemption		Electrical Service			
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	Remove Existing Local Controller	Install New 2070LX Local Controller	Install New Emergency Vehicle Preemption Equipment	Reuse Existing Railroad Preemption Equipment	Install New Electrical Service	Remove Existing Electrical Service	Reuse Existing Base Adapter with Electrical Combination Panel
1	12-0012		Bessemer City Rd. (NC 274)	Dallas-Bessemer City Rd. (NC 275)/ Oates Rd. (SR 1312)	179	13	128	Sig.1.0	1	1					
2	12-0016		York Rd. (US 321)	Hudson Blvd. (SR 1255)	92	10	105	Sig.2.0	1	1					
3	12-0017		Chester St. (US 321)	Davidson Ave.	125	15	152	Sig.3.0	1	1	1				
4	12-0023		Chester St. (US 321)	I-85 SB ramp (Exit 17)	129	15	155	Sig.4.0	1	1					
5	12-0029		Franklin Blvd. (US 29/74)	Myrtle School Rd. (SR 1136)	9	12	126	Sig.5.0	1	1					
6	12-0030		Franklin Blvd. (US 29/74)	Bessemer City Rd./ Garrison Blvd. (SR 2466)	12	12	127	Sig.6.0	1	1					
7	12-0031		Franklin Blvd. (US 29/74)	Webb St.	14	14	137	Sig.7.0	1	1	1				
8	12-0032		Franklin Blvd. (US 29/74)	Linwood Rd. (SR 1131)/ Gaston Ave. (SR 1339)	14	14	137	Sig.8.0	1	1	1				
9	12-0033		Franklin Blvd. (US 29/74)	Vance St.	27	14	141	Sig.9.0	1	1	1				1
10	12-0034		Franklin Blvd. (US 29/74)	Firestone Blvd.	27	14	142	Sig.10.0	1	1	1				1
11	12-0035		Franklin Blvd. (US 29/74)	Weldon St.	28	14	143	Sig.11.0	1	1	1		1	1	
12	12-0037		Franklin Blvd. (US 29/74)	Whitesides St.	29	14	147	Sig.12.0	1	1	1				
13	12-0038		Franklin Blvd. (US 29/74)	Chester St. (US 321)	30	14	146	Sig.13.0	1	1					
14	12-0039		Franklin Blvd. (US 29/74)	York Rd. (US 321)	30	5	036	Sig.14.0	1	1		1			
15	12-0040		Franklin Blvd. (US 29/74)	South St.	31	5	038	Sig.15.0	1	1	1				1
16	12-0041		Franklin Blvd. (US 29/74)	Marietta St./ Dr. M.L.K. Jr. Way	31	5	039	Sig.16.0	1	1		1			1
17	12-0042		Franklin Blvd. (US 29/74)	Oakland St.	32	5	041	Sig.17.0	1	1	1				
18	12-0043		Franklin Blvd. (US 29/74)	Broad St.	32	5	042	Sig.18.0	1	1					
19	12-0044		Franklin Blvd. (US 29/74)	Avon St.	33	4	030	Sig.19.0	1	1	1				
20	12-0045		Franklin Blvd. (US 29/74)	Chestnut St.	34	4	031	Sig.20.0	1	1	1				
21	12-0046		Franklin Blvd. (US 29/74)	Church St.	34	4	032	Sig.21.0	1	1					
22	12-0047		Franklin Blvd. (US 29/74)	Belvedere Ave.	35	4	033	Sig.22.0	1	1	1				
23	12-0048		Franklin Blvd. (US 29/74)	Thomas St./ Belvedere Ave.	36	4	034	Sig.23.0	1	1					
24	12-0049		Franklin Blvd. (US 29/74)	Beverly Dr.	37	4	035	Sig.24.0	1	1	1				
25	12-0050		Franklin Blvd. (US 29/74)	New Hope Rd. (NC 279)	38	2	017	Sig.25.0	1	1					
26	12-0053		New Hope Rd. (NC 279)	Ozark Ave (NC 7)	170	2	013	Sig.26.0	1	1					
27	12-0058		Airline Ave. (SR 1339)	Highland St.	108	15	148	Sig.27.0	1	1	1				
28	12-0059		Gaston Ave. (SR 1339)	Ransom St.	107	15	149	Sig.28.0	1	1	1				
29	12-0060		Gaston Ave. (SR 1339)	Firestone St.	107	15	149	Sig.29.0	1	1	1				
30	12-0061		Linwood Rd. (SR 1131)	Second Ave.	15	14	138	Sig.30.0	1	1	1				
31	12-0063		Linwood Rd. (SR 1131)	Spencer Ave.	56	14	139	Sig.31.0	1	1	1				
32	12-0065		York Rd. (US 321)	Clyde St.	132	11	117	Sig.32.0	1	1	1				
33	12-0066		York Rd. (US 321)	Carolina Ave.	134	11	116	Sig.33.0	1	1					
34	12-0067		York Rd. (US 321)	Jackson Rd.	136	11	115	Sig.34.0	1	1	1				
35	12-0068		York Rd. (US 321)	Garrison Blvd. (SR 2466)	59	11	113	Sig.35.0	1	1					
36	12-0069		Chester St. (US 321)	Garrison Blvd. (SR 2466)	137	11	113	Sig.36.0	1	1					
37	12-0071		Chester St. (US 321)	Fifth Ave.	138	11	112	Sig.37.0	1	1					
38	12-0072		York St. (US 321)	Third Ave.	139	11	111	Sig.38.0	1	1					
39	12-0073		York Rd. (US 321)	Second Ave.	20	5	037	Sig.39.0	1	1					
40	12-0074		Chester St. (US 321)	Second Ave.	20	14	145	Sig.40.0	1	1					
41	12-0077		Franklin Blvd. (US 29/74)	Cox Rd./ Armstrong Park Rd. (SR 2200)	42	3	023	Sig.41.0	1	1					
42	12-0079		New Hope Rd. (NC 279)	Garrison Blvd./ Amrstrong Park Dr. (SR 2466)	69	9	093	Sig.42.0	1	1					
43	12-0080		Wilkinson Blvd. (US 29/74)	Groves St. (SR 2213)	51	6	050	Sig.43.0	1	1					
44	12-0086		York Rd. (US 321)	Main Ave.	111	5	036	Sig.44.0	1	1	1				
45	12-0096		Garrison Blvd. (SR 2466)	Chestnut St.	64	9	089	Sig.45.0	1	1	1				
46	12-0097		Dr. M.L.K. Jr. Way (SR 2278)	Walnut Ave.	140	1	002	Sig.46.0	1	1	1				1
47	12-0098		Union Rd. (NC 274)	Garrison Blvd. (SR 2466)	61	9	088	Sig.47.0	1	1					
48	12-0102		Broad St.	Second Ave.	22	5	042	Sig.48.0	1	1					
49	12-0103		New Hope Rd. (NC 279)	Hudson Blvd. (SR 1255)/ Titman Rd. (SR 2478)	80	7	055	Sig.49.0	1	1					
50	12-0151		Wilkinson Blvd. (US 29/74)	Main St./Redbud Dr. (SR 2329)	49	6	047	Sig.50.0	1	1					

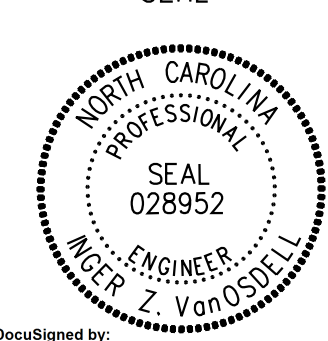
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Plans Prepared For:  
  
 250 N. Greenfield Place, Garner, NC 27529  
 SCALE  


**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SUMMARY OF WORK BY INTERSECTION**  
 DIVISION 12 GASTON COUNTY  
 PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH  
 PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL

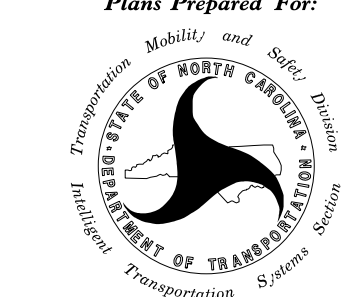
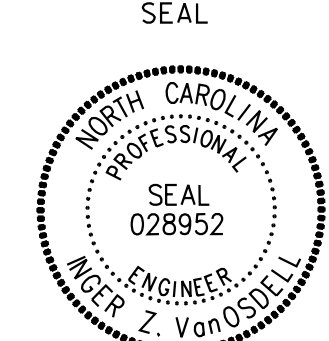

REVISIONS	INIT.	DATE

SEAL  
  
 Iger Van OsdeLL  
 3/21/2022  
 CADD Filename:

Reference								Conduit and Risers					
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	12	19	23	22	21
									Install New 2" Riser with Heat Shrink Tubing	Reuse Existing Riser with Heat Shrink Tubing	Install New Riser Entrance into Cabinet Foundation	Install New Conduit Entrance into Cabinet Foundation	Install Cable(s) in Existing Conduit Stub-Outs
1	12-0012		Bessemer City Rd. (NC 274)	Dallas-Bessemer City Rd. (NC 275)/ Oates Rd. (SR 1312)	179	13	128	Sig.1.0					1
2	12-0016		York Rd. (US 321)	Hudson Blvd. (SR 1255)	92	10	105	Sig.2.0		1			
3	12-0017		Chester St. (US 321)	Davidson Ave.	125	15	152	Sig.3.0		1			1
4	12-0023		Chester St. (US 321)	I-85 SB ramp (Exit 17)	129	15	155	Sig.4.0		1			
5	12-0029		Franklin Blvd. (US 29/74)	Myrtle School Rd. (SR 1136)	9	12	126	Sig.5.0					1
6	12-0030		Franklin Blvd. (US 29/74)	Bessemer City Rd./ Garrison Blvd. (SR 2466)	12	12	127	Sig.6.0		1			
7	12-0031		Franklin Blvd. (US 29/74)	Webb St.	14	14	137	Sig.7.0		1			
8	12-0032		Franklin Blvd. (US 29/74)	Linwood Rd. (SR 1131)/ Gaston Ave. (SR 1339)	14	14	137	Sig.8.0		1			
9	12-0033		Franklin Blvd. (US 29/74)	Vance St.	27	14	141	Sig.9.0		1			1
10	12-0034		Franklin Blvd. (US 29/74)	Firestone Blvd.	27	14	142	Sig.10.0					1
11	12-0035		Franklin Blvd. (US 29/74)	Weldon St.	28	14	143	Sig.11.0					1
12	12-0037		Franklin Blvd. (US 29/74)	Whitesides St.	29	14	147	Sig.12.0	1				1
13	12-0038		Franklin Blvd. (US 29/74)	Chester St. (US 321)	30	14	146	Sig.13.0		1			
14	12-0039		Franklin Blvd. (US 29/74)	York Rd. (US 321)	30	5	036	Sig.14.0	1				1
15	12-0040		Franklin Blvd. (US 29/74)	South St.	31	5	038	Sig.15.0		1			1
16	12-0041		Franklin Blvd. (US 29/74)	Marietta St./ Dr. M.L.K. Jr. Way	31	5	039	Sig.16.0		1			1
17	12-0042		Franklin Blvd. (US 29/74)	Oakland St.	32	5	041	Sig.17.0	1				1
18	12-0043		Franklin Blvd. (US 29/74)	Broad St.	32	5	042	Sig.18.0		1			
19	12-0044		Franklin Blvd. (US 29/74)	Avon St.	33	4	030	Sig.19.0		1			
20	12-0045		Franklin Blvd. (US 29/74)	Chestnut St.	34	4	031	Sig.20.0					1
21	12-0046		Franklin Blvd. (US 29/74)	Church St.	34	4	032	Sig.21.0		1			
22	12-0047		Franklin Blvd. (US 29/74)	Belvedere Ave.	35	4	033	Sig.22.0					1
23	12-0048		Franklin Blvd. (US 29/74)	Thomas St./ Belvedere Ave.	36	4	034	Sig.23.0		1			
24	12-0049		Franklin Blvd. (US 29/74)	Beverly Dr.	37	4	035	Sig.24.0		1			
25	12-0050		Franklin Blvd. (US 29/74)	New Hope Rd. (NC 279)	38	2	017	Sig.25.0		1			
26	12-0053		New Hope Rd. (NC 279)	Ozark Ave (NC 7)	170	2	013	Sig.26.0		1			1
27	12-0058		Airline Ave. (SR 1339)	Highland St.	108	15	148	Sig.27.0	1				1
28	12-0059		Gaston Ave. (SR 1339)	Ransom St.	107	15	149	Sig.28.0		1			
29	12-0060		Gaston Ave. (SR 1339)	Firestone St.	107	15	149	Sig.29.0		1			
30	12-0061		Linwood Rd. (SR 1131)	Second Ave.	15	14	138	Sig.30.0		1			
31	12-0063		Linwood Rd. (SR 1131)	Spencer Ave.	56	14	139	Sig.31.0		1			
32	12-0065		York Rd. (US 321)	Clyde St.	132	11	117	Sig.32.0		1			
33	12-0066		York Rd. (US 321)	Carolina Ave.	134	11	116	Sig.33.0		1			
34	12-0067		York Rd. (US 321)	Jackson Rd.	136	11	115	Sig.34.0		1			
35	12-0068		York Rd. (US 321)	Garrison Blvd. (SR 2466)	59	11	113	Sig.35.0		1			
36	12-0069		Chester St. (US 321)	Garrison Blvd. (SR 2466)	137	11	113	Sig.36.0		1			
37	12-0071		Chester St. (US 321)	Fifth Ave.	138	11	112	Sig.37.0		1			
38	12-0072		York St. (US 321)	Third Ave.	139	11	111	Sig.38.0	1				1
39	12-0073		York Rd. (US 321)	Second Ave.	20	5	037	Sig.39.0	1				1
40	12-0074		Chester St. (US 321)	Second Ave.	20	14	145	Sig.40.0	1				1
41	12-0077		Franklin Blvd. (US 29/74)	Cox Rd./ Armstrong Park Rd. (SR 2200)	42	3	023	Sig.41.0		1			
42	12-0079		New Hope Rd. (NC 279)	Garrison Blvd./ Amrstrong Park Dr. (SR 2466)	69	9	093	Sig.42.0		1			
43	12-0080		Wilkinson Blvd. (US 29/74)	Groves St. (SR 2213)	51	6	050	Sig.43.0		1			
44	12-0086		York Rd. (US 321)	Main Ave.	111	5	036	Sig.44.0		1			
45	12-0096		Garrison Blvd. (SR 2466)	Chestnut St.	64	9	089	Sig.45.0		1			
46	12-0097		Dr. M.L.K. Jr. Way (SR 2278)	Walnut Ave.	140	1	002	Sig.46.0	1				1
47	12-0098		Union Rd. (NC 274)	Garrison Blvd. (SR 2466)	61	9	088	Sig.47.0		1			
48	12-0102		Broad St.	Second Ave.	22	5	042	Sig.48.0		1			
49	12-0103		New Hope Rd. (NC 279)	Hudson Blvd. (SR 1255)/ Titman Rd. (SR 2478)	80	7	055	Sig.49.0		1			
50	12-0151		Wilkinson Blvd. (US 29/74)	Main St./Redbud Dr. (SR 2329)	49	6	047	Sig.50.0		1			

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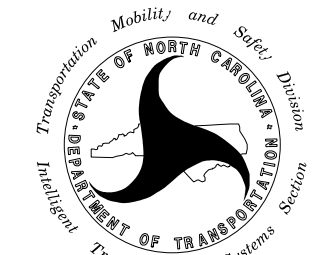


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		CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SUMMARY OF WORK BY INTERSECTION		SEAL 									
Plans Prepared For: Transportation Mobility and Safety Division DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place, Garner, NC 27529		DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL		Inger Van Osdel 3/21/2022									
SCALE 		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DESCRIPTION	INIT.	DATE					DATE DATE	
NO.	DESCRIPTION	INIT.	DATE										
CADD File name:													

Reference								Fiber Communications							
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	48B	1-6-12	-	28	-	-	26
									Remove Existing Fiber Optic Drop Cable	Install New Fiber Optic Drop Cable	Remove Existing Fiber Optic Interconnect Center	Install New Fiber Optic Interconnect Center	Remove Existing Fiber Optic Data Transceiver	Remove Existing Fiber Optic Video Transceiver	Install New Field Ethernet Switch
1	12-0012		Bessemer City Rd. (NC 274)	Dallas-Bessemer City Rd. (NC 275)/ Oates Rd. (SR 1312)	179	13	128	Sig.1.0	1	1	1	1	1	1	1
2	12-0016		York Rd. (US 321)	Hudson Blvd. (SR 1255)	92	10	105	Sig.2.0	1	1	1	1	1		1
3	12-0017		Chester St. (US 321)	Davidson Ave.	125	15	152	Sig.3.0	1	1	1	1	1		1
4	12-0023		Chester St. (US 321)	I-85 SB ramp (Exit 17)	129	15	155	Sig.4.0	1	1	1	1	1	1	1
5	12-0029		Franklin Blvd. (US 29/74)	Myrtle School Rd. (SR 1136)	9	12	126	Sig.5.0	1	1	1	1	1	1	1
6	12-0030		Franklin Blvd. (US 29/74)	Bessemer City Rd./ Garrison Blvd. (SR 2466)	12	12	127	Sig.6.0	1	1	1	1	1	1	1
7	12-0031		Franklin Blvd. (US 29/74)	Webb St.	14	14	137	Sig.7.0	1	1	1	1	1		1
8	12-0032		Franklin Blvd. (US 29/74)	Linwood Rd. (SR 1131)/ Gaston Ave. (SR 1339)	14	14	137	Sig.8.0	1	1	1	1	1	1	1
9	12-0033		Franklin Blvd. (US 29/74)	Vance St.	27	14	141	Sig.9.0	1	1	1	1	1		1
10	12-0034		Franklin Blvd. (US 29/74)	Firestone Blvd.	27	14	142	Sig.10.0	1	1	1	1	1		1
11	12-0035		Franklin Blvd. (US 29/74)	Weldon St.	28	14	143	Sig.11.0	1	1	1	1	1		1
12	12-0037		Franklin Blvd. (US 29/74)	Whitesides St.	29	14	147	Sig.12.0	1	1	1	1	1		1
13	12-0038		Franklin Blvd. (US 29/74)	Chester St. (US 321)	30	14	146	Sig.13.0	1	1	1	1	1	1	1
14	12-0039		Franklin Blvd. (US 29/74)	York Rd. (US 321)	30	5	036	Sig.14.0	1	1	1	1	1		1
15	12-0040		Franklin Blvd. (US 29/74)	South St.	31	5	038	Sig.15.0	1	1	1	1	1		1
16	12-0041		Franklin Blvd. (US 29/74)	Marietta St./ Dr. M.L.K. Jr. Way	31	5	039	Sig.16.0	1	1	1	1	1		1
17	12-0042		Franklin Blvd. (US 29/74)	Oakland St.	32	5	041	Sig.17.0	1	1	1	1	1		1
18	12-0043		Franklin Blvd. (US 29/74)	Broad St.	32	5	042	Sig.18.0	1	1	1	1	1	1	1
19	12-0044		Franklin Blvd. (US 29/74)	Avon St.	33	4	030	Sig.19.0	1	1	1	1	1		1
20	12-0045		Franklin Blvd. (US 29/74)	Chestnut St.	34	4	031	Sig.20.0	1	1	1	1	1		1
21	12-0046		Franklin Blvd. (US 29/74)	Church St.	34	4	032	Sig.21.0	1	1	1	1	1		1
22	12-0047		Franklin Blvd. (US 29/74)	Belvedere Ave.	35	4	033	Sig.22.0	1	1	1	1	1		1
23	12-0048		Franklin Blvd. (US 29/74)	Thomas St./ Belvedere Ave.	36	4	034	Sig.23.0	1	1	1	1	1		1
24	12-0049		Franklin Blvd. (US 29/74)	Beverly Dr.	37	4	035	Sig.24.0	1	1	1	1	1		1
25	12-0050		Franklin Blvd. (US 29/74)	New Hope Rd. (NC 279)	38	2	017	Sig.25.0	1	1	1	1	1	1	1
26	12-0053		New Hope Rd. (NC 279)	Ozark Ave (NC 7)	170	2	013	Sig.26.0	1	1	1	1	1	1	1
27	12-0058		Airline Ave. (SR 1339)	Highland St.	108	15	148	Sig.27.0	1	1	1	1	1		1
28	12-0059		Gaston Ave. (SR 1339)	Ransom St.	107	15	149	Sig.28.0	1	1	1	1	1		1
29	12-0060		Gaston Ave. (SR 1339)	Firestone St.	107	15	149	Sig.29.0	1	1	1	1	1		1
30	12-0061		Linwood Rd. (SR 1131)	Second Ave.	15	14	138	Sig.30.0	1	1	1	1	1		1
31	12-0063		Linwood Rd. (SR 1131)	Spencer Ave.	56	14	139	Sig.31.0	1	1	1	1	1		1
32	12-0065		York Rd. (US 321)	Clyde St.	132	11	117	Sig.32.0	1	1	1	1	1		1
33	12-0066		York Rd. (US 321)	Carolina Ave.	134	11	116	Sig.33.0	1	1	1	1	1		1
34	12-0067		York Rd. (US 321)	Jackson Rd.	136	11	115	Sig.34.0	1	1	1	1	1		1
35	12-0068		York Rd. (US 321)	Garrison Blvd. (SR 2466)	59	11	113	Sig.35.0	1	1	1	1	1		1
36	12-0069		Chester St. (US 321)	Garrison Blvd. (SR 2466)	137	11	113	Sig.36.0	1	1	1	1	1		1
37	12-0071		Chester St. (US 321)	Fifth Ave.	138	11	112	Sig.37.0	1	1	1	1	1		1
38	12-0072		York St. (US 321)	Third Ave.	139	11	111	Sig.38.0	1	1	1	1	1		1
39	12-0073		York Rd. (US 321)	Second Ave.	20	5	037	Sig.39.0	1	1	1	1	1		1
40	12-0074		Chester St. (US 321)	Second Ave.	20	14	145	Sig.40.0	1	1	1	1	1		1
41	12-0077		Franklin Blvd. (US 29/74)	Cox Rd./ Armstrong Park Rd. (SR 2200)	42	3	023	Sig.41.0	1	1	1	1	1	1	1
42	12-0079		New Hope Rd. (NC 279)	Garrison Blvd./ Amrstrong Park Dr. (SR 2466)	69	9	093	Sig.42.0	1	1	1	1	1	1	1
43	12-0080		Wilkinson Blvd. (US 29/74)	Groves St. (SR 2213)	51	6	050	Sig.43.0	1	1	1	1	1		1
44	12-0086		York Rd. (US 321)	Main Ave.	111	5	036	Sig.44.0	1	1	1	1	1		1
45	12-0096		Garrison Blvd. (SR 2466)	Chestnut St.	64	9	089	Sig.45.0	1	1	1	1	1		1
46	12-0097		Dr. M.L.K. Jr. Way (SR 2278)	Walnut Ave.	140	1	002	Sig.46.0	1	1	1	1	1		1
47	12-0098		Union Rd. (NC 274)	Garrison Blvd. (SR 2466)	61	9	088	Sig.47.0	1	1	1	1	1		1
48	12-0102		Broad St.	Second Ave.	22	5	042	Sig.48.0	1	1	1	1	1		1
49	12-0103		New Hope Rd. (NC 279)	Hudson Blvd. (SR 1255)/ Titman Rd. (SR 2478)	80	7	055	Sig.49.0	1	1	1	1	1		1
50	12-0151		Wilkinson Blvd. (US 29/74)	Main St./Redbud Dr. (SR 2329)	49	6	047	Sig.50.0	1	1	1	1	1	1	1

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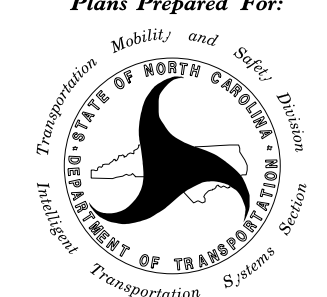
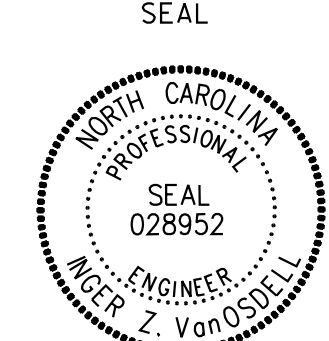
 Plans Prepared For: Transportation Mobility and Safety Division DEPARTMENT OF TRANSPORTATION STATE OF NORTH CAROLINA 250 N. Greenfield Pkwy., Garner, NC 27529		CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SUMMARY OF WORK BY INTERSECTION DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028952 INGER Z. VAN OSDELL Inger Van OsdeLL 3/21/2022													
SCALE 0 		REVISIONS <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		NO.	DATE	DESCRIPTION										DATE INIT. DATE DATE	
NO.	DATE	DESCRIPTION															

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

Reference									Wireless Communications		
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	74	75	50
									Remove Existing Serial Wireless Radio Equipment	Install New Ethernet Wireless Radio Equipment	Install New Cell Modem and Antenna
1	12-0012		Bessemer City Rd. (NC 274)	Dallas-Bessemer City Rd. (NC 275)/ Oates Rd. (SR 1312)	179	13	128	Sig.1.0			
2	12-0016		York Rd. (US 321)	Hudson Blvd. (SR 1255)	92	10	105	Sig.2.0			
3	12-0017		Chester St. (US 321)	Davidson Ave.	125	15	152	Sig.3.0			
4	12-0023		Chester St. (US 321)	I-85 SB ramp (Exit 17)	129	15	155	Sig.4.0			
5	12-0029		Franklin Blvd. (US 29/74)	Myrtle School Rd. (SR 1136)	9	12	126	Sig.5.0			
6	12-0030		Franklin Blvd. (US 29/74)	Bessemer City Rd./ Garrison Blvd. (SR 2466)	12	12	127	Sig.6.0			
7	12-0031		Franklin Blvd. (US 29/74)	Webb St.	14	14	137	Sig.7.0			
8	12-0032		Franklin Blvd. (US 29/74)	Linwood Rd. (SR 1131)/ Gaston Ave. (SR 1339)	14	14	137	Sig.8.0			
9	12-0033		Franklin Blvd. (US 29/74)	Vance St.	27	14	141	Sig.9.0			
10	12-0034		Franklin Blvd. (US 29/74)	Firestone Blvd.	27	14	142	Sig.10.0			
11	12-0035		Franklin Blvd. (US 29/74)	Weldon St.	28	14	143	Sig.11.0			
12	12-0037		Franklin Blvd. (US 29/74)	Whitesides St.	29	14	147	Sig.12.0			
13	12-0038		Franklin Blvd. (US 29/74)	Chester St. (US 321)	30	14	146	Sig.13.0			
14	12-0039		Franklin Blvd. (US 29/74)	York Rd. (US 321)	30	5	036	Sig.14.0			
15	12-0040		Franklin Blvd. (US 29/74)	South St.	31	5	038	Sig.15.0			
16	12-0041		Franklin Blvd. (US 29/74)	Marietta St./ Dr. M.L.K. Jr. Way	31	5	039	Sig.16.0			
17	12-0042		Franklin Blvd. (US 29/74)	Oakland St.	32	5	041	Sig.17.0			
18	12-0043		Franklin Blvd. (US 29/74)	Broad St.	32	5	042	Sig.18.0			
19	12-0044		Franklin Blvd. (US 29/74)	Avon St.	33	4	030	Sig.19.0			
20	12-0045		Franklin Blvd. (US 29/74)	Chestnut St.	34	4	031	Sig.20.0			
21	12-0046		Franklin Blvd. (US 29/74)	Church St.	34	4	032	Sig.21.0			
22	12-0047		Franklin Blvd. (US 29/74)	Belvedere Ave.	35	4	033	Sig.22.0			
23	12-0048		Franklin Blvd. (US 29/74)	Thomas St./ Belvedere Ave.	36	4	034	Sig.23.0			
24	12-0049		Franklin Blvd. (US 29/74)	Beverly Dr.	37	4	035	Sig.24.0			
25	12-0050		Franklin Blvd. (US 29/74)	New Hope Rd. (NC 279)	38	2	017	Sig.25.0			
26	12-0053		New Hope Rd. (NC 279)	Ozark Ave (NC 7)	170	2	013	Sig.26.0			
27	12-0058		Airline Ave. (SR 1339)	Highland St.	108	15	148	Sig.27.0			
28	12-0059		Gaston Ave. (SR 1339)	Ransom St.	107	15	149	Sig.28.0			
29	12-0060		Gaston Ave. (SR 1339)	Firestone St.	107	15	149	Sig.29.0			
30	12-0061		Linwood Rd. (SR 1131)	Second Ave.	15	14	138	Sig.30.0			
31	12-0063		Linwood Rd. (SR 1131)	Spencer Ave.	56	14	139	Sig.31.0			
32	12-0065		York Rd. (US 321)	Clyde St.	132	11	117	Sig.32.0			
33	12-0066		York Rd. (US 321)	Carolina Ave.	134	11	116	Sig.33.0			
34	12-0067		York Rd. (US 321)	Jackson Rd.	136	11	115	Sig.34.0			
35	12-0068		York Rd. (US 321)	Garrison Blvd. (SR 2466)	59	11	113	Sig.35.0			
36	12-0069		Chester St. (US 321)	Garrison Blvd. (SR 2466)	137	11	113	Sig.36.0			
37	12-0071		Chester St. (US 321)	Fifth Ave.	138	11	112	Sig.37.0			
38	12-0072		York St. (US 321)	Third Ave.	139	11	111	Sig.38.0			
39	12-0073		York Rd. (US 321)	Second Ave.	20	5	037	Sig.39.0			
40	12-0074		Chester St. (US 321)	Second Ave.	20	14	145	Sig.40.0			
41	12-0077		Franklin Blvd. (US 29/74)	Cox Rd./ Armstrong Park Rd. (SR 2200)	42	3	023	Sig.41.0			
42	12-0079		New Hope Rd. (NC 279)	Garrison Blvd./ Amrstrong Park Dr. (SR 2466)	69	9	093	Sig.42.0			
43	12-0080		Wilkinson Blvd. (US 29/74)	Groves St. (SR 2213)	51	6	050	Sig.43.0			
44	12-0086		York Rd. (US 321)	Main Ave.	111	5	036	Sig.44.0			
45	12-0096		Garrison Blvd. (SR 2466)	Chestnut St.	64	9	089	Sig.45.0			
46	12-0097		Dr. M.L.K. Jr. Way (SR 2278)	Walnut Ave.	140	1	002	Sig.46.0			
47	12-0098		Union Rd. (NC 274)	Garrison Blvd. (SR 2466)	61	9	088	Sig.47.0			
48	12-0102		Broad St.	Second Ave.	22	5	042	Sig.48.0			
49	12-0103		New Hope Rd. (NC 279)	Hudson Blvd. (SR 1255)/ Titman Rd. (SR 2478)	80	7	055	Sig.49.0	1		
50	12-0151		Wilkinson Blvd. (US 29/74)	Main St./Redbud Dr. (SR 2329)	49	6	047	Sig.50.0			

3/21/2022 \\kimley-horn.com\SE\RAL\N\RAL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psn\_19.dgn

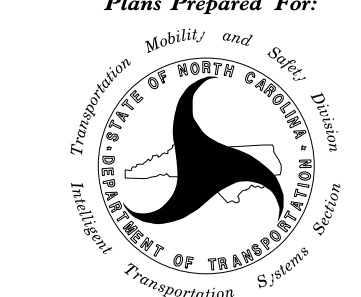
**Kimley»Horn**  
 NC License #F-0102  
 421 Fayetteville St., Suite 600  
 Raleigh, NC 27601  
 Tel: (919) 677-2000  
 Fax: (919) 677-2050

 <p>Plans Prepared For:                  Transportation Mobility and Safety Division                  STATE OF NORTH CAROLINA                  DEPARTMENT OF TRANSPORTATION                  250 N. Greenfield Place, Garner, NC 27529</p>	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> SUMMARY OF WORK BY INTERSECTION		 <p>SEAL                  NORTH CAROLINA PROFESSIONAL ENGINEER                  SEAL 028952                  INGER Z. VAN OSDEL</p>
	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL		

DocuSigned by:  
Inger Van Osdel 3/21/2022

CADD File name:

Reference								Signal Cabinets				Cabinet Foundations				
								69	69	33	-	-	73	34	34	
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	Remove Existing Base Mounted Cabinet	Remove Existing Pole Mounted Cabinet	Install New Base Mounted 332 Cabinet with Aux File	Install Cabinet Base Extender	Reuse Existing Signal Cabinet Foundation	Modify Existing Signal Cabinet Foundation	Install New Signal Cabinet Foundation (Same Quadrant)	Install New Signal Cabinet Foundation (Different Quadrant)
51	12-0152		New Hope Rd. (NC 279)	Burtonwood Dr.	176	2	018	Sig.51.0	1		1	1	1			
52	12-0154		New Hope Rd. (NC 279)	Robinwood Rd. (SR 2457)	70	9	094	Sig.52.0	1		1	1	1			
53	12-0155		Bessemer City Rd. (NC 274)	Northwest Blvd.	184	13	134	Sig.53.0	1		1	1	1			
54	12-0157		Franklin Blvd. (US 29/74)	Archie Whitesides Rd. (SR 1122)/ Edgewood Rd. (SR 1307)	1	12	118	Sig.54.0	1		1	1	1			
55	12-0162		Chester St. (US 321)	I-85 NB ramp (Exit 17)	128	15	154	Sig.55.0	1		1	1	1			
56	12-0165		Linwood Rd. (SR 1131)	Myrtle School Rd./ Davis Park Rd. (SR 1136)	81	10	098	Sig.56.0	1		1	1	1			
57	12-0169		New Hope Rd. (NC 279)	Court Dr.	172	2	014	Sig.57.0	1		1	1	1			
58	12-0173		New Hope Rd. (NC 279)	Auten Rd. (SR 2265)	169	2	012	Sig.58.0	1		1	1	1			
59	12-0176		New Hope Rd. (NC 279)	Pearl St.	174	2	016	Sig.59.0	1		1	1	1			
60	12-0181		Hudson Blvd. (SR 1255)	Lynhaven Dr./Lyon St.	87	10	102	Sig.60.0	1		1	1	1			
61	12-0190		Davis Park Rd. (SR 1136)	Hudson Blvd. (SR 1255)	83	10	100	Sig.61.0	1		1	1	1			
62	12-0194		New Hope Rd. (NC 279)	I-85 SB ramps (Exit 20)	173	2	015	Sig.62.0	1		1	1	1			
63	12-0195		New Hope Rd. (NC 279)	I-85 NB ramps (Exit 20)	174	2	016	Sig.63.0	1		1	1	1			
64	12-0203		Chester St. (US 321)	Airline Ave./ Long Ave. (NC 7)	110	15	151	Sig.64.0	1		1	1	1			
65	12-0213		Chester St. (US 321)	Rankin Ave.	124	15	150	Sig.65.0	1		1	1	1			
66	12-0234		Bessemer City Rd. (NC 274)	Isley Dr.	180	13	129	Sig.66.0	1		1	1	1			
67	12-0245		Union Rd. (NC 274)	Neal Hawkins Rd./ Robinwood Rd. (SR 2446)	149	8	073	Sig.67.0	1		1	1	1			
68	12-0264		Bessemer City Rd. (NC 274)	Milton Ave.	185	13	135	Sig.68.0	1		1	1	1			
69	12-0270		Cox Rd. (SR 2200)	Court Dr.	166	3	026	Sig.69.0	1		1	1	1			
70	12-0276		Garrison Blvd. (SR 2466)	Churchill Dr.	66	9	091	Sig.70.0	1		1	1	1			
71	12-0310		Union Rd. (NC 274)	Robinson Rd. (SR 2416)	150	8	074	Sig.71.0	1		1	1	1			
72	12-0326		New Hope Rd. (NC 279)	Redbud Dr. (SR 2329)	78	7	054	Sig.72.0	1		1	1	1			
73	12-0331		Ozark Ave./ Long Ave. (NC 7)	Modena St.	116	1	006	Sig.73.0	1		1	1	1			
74	12-0335		Bessemer City Rd. (NC 274)	Shannon Bradley Rd. (SR 1135)/ Jenkins Dairy Rd. (SR 1334)	182	13	131	Sig.74.0	1		1	1	1			
75	12-0357		New Hope Rd. (NC 279)	Lowell Bethesda Rd./ Beaty Rd. (SR 2439)	215	7	059	Sig.75.0	1		1	1	1			
76	12-0373		Lowell-Bethesda Rd. (SR 2439)	Titman Rd. (SR 2478)	229	7	067	Sig.76.0	1		1	1	1			
77	12-0609		Armstrong Park Rd. (SR 2200)	Armstrong Park Dr./ Gardner Park Dr.	159	3	027	Sig.77.0	1		1	1	1			
78	12-0632		Linwood Rd. (SR 1131)	Garrison Blvd. (SR 2466)	15	14	138	Sig.78.0	1		1	1	1			
79	12-0633		Garrison Blvd. (SR 2466)	Marietta St.	60	9	087	Sig.79.0	1		1	1	1			
80	12-0634		Garrison Blvd. (SR 2466)	Burtonwood Dr.	67	9	092	Sig.80.0	1		1	1	1			
81	12-0636		Bessemer City Rd. (NC 274)	Arkray St./Myrtle School Rd. (SR 1136)	186	13	135	Sig.81.0	1		1	1	1			
82	12-0902		Cox Rd. (SR 2200)	I-85 SB ramp (Exit 21)	164	3	024	Sig.82.0	1		1	1	1			
83	12-0921		Chester St. (US 321)	Rankin Lake Rd.	129	15	155	Sig.83.0	1		1	1	1			
84	12-0922		Chester St. (US 321)	Tulip Dr./ Bulb Ave.	130	15	156	Sig.84.0	1		1	1	1			
85	12-0923		Long Ave. (NC 7)	Broad St.	113	1	004	Sig.85.0	1		1	1	1			
86	12-0924		Chester St. (US 321)	Main Ave.	110	14	147	Sig.86.0	1		1	1	1			
87	12-0925		York Rd. (US 321)	Long Ave. (NC 7)	111	15	151	Sig.87.0	1		1	1	1			
88	12-0928		Bessemer City Rd. (NC 274)	I-85 NB ramp (Exit 14)	183	13	133	Sig.88.0	1		1	1	1			
89	12-0929		Long Ave. (NC 7)	Dr. M.L.K. Jr. Way (SR 2278)	112	1	003	Sig.89.0	1		1	1	1			
90	12-0931		Bessemer City Rd. (NC 274)	I-85 SB ramp (Exit 14)	183	13	132	Sig.90.0	1		1	1	1			
91	12-0942		Franklin Blvd. (US 29/74)	W. Club Cir.	40	3	021	Sig.91.0	1		1	1	1			
92	12-0986		New Hope Rd. (NC 279)	Armstrong Park Rd. (SR 2466)	75	7	052	Sig.92.0	1		1	1	1			
93	12-0990		Kendrick Rd. (SR 2445)	Robinwood Rd. (SR 2457)	153	8	077	Sig.93.0	1		1	1	1			
94	12-1046		Cramerton Rd. (SR 2209)	Lowell-Bethesda Rd. (SR 2439)	230	7	068	Sig.94.0	1		1	1	1			
95	12-1086		Cox Rd. (SR 2200)	I-85 NB ramp (Exit 21)	163	3	024	Sig.95.0	1		1	1	1			
96	12-1105		Franklin Blvd. (US 29/74)	Franklin Square Entrance #1	44	6	044	Sig.96.0	1		1	1	1			
97	12-1124		Franklin Blvd. (US 29/74)	Shannon Bradley Rd. (SR 1135)/ Patterson Cir.	5	12	123	Sig.97.0	1		1	1	1			
98	12-1195		New Hope Rd. (NC 279)	Armstrong Ford Rd./ Twin Tops Rd.	224	7	065	Sig.98.0	1		1	1	1			
99	12-1209		Hoffman Rd. (SR 2446)	Robinwood Rd. (SR 2457)	154	8	078	Sig.99.0	1		1	1	1			
100	12-1231		New Hope Rd. (NC 279)	Pineview Ln.	76	7	053	Sig.100.0	1		1	1	1			



Plans Prepared For:  
Department of Transportation  
STATE OF NORTH CAROLINA  
Department of Transportation

250 N. Greenfield Place, Garner, NC 27529

**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**

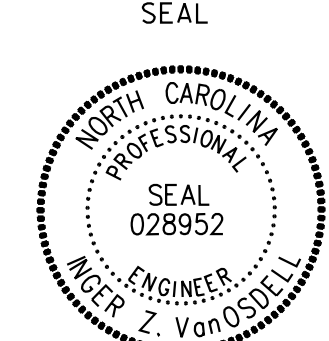
**SUMMARY OF WORK BY INTERSECTION**

DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

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

SEAL



DocuSigned by:  
Inger Van OsdeLL  
3/21/2022

SCALE: 0

REVISIONS	INIT.	DATE

CADD File name: \_\_\_\_\_

**Kimley»Horn**

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3/21/2022  
\\kimley-horn.com\SE\RAL\N\RAL\_TPTD\ITS\03035659\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psn\_20.dgn

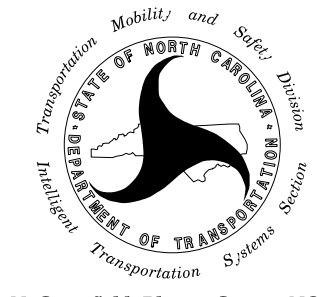
Reference								Controllers		Preemption		Electrical Service			
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	Remove Existing Local Controller	Install New 2070LX Local Controller	Install New Emergency Vehicle Preemption Equipment	Reuse Existing Railroad Preemption Equipment	Install New Electrical Service	Remove Existing Electrical Service	Reuse Existing Base Adapter with Electrical Combination Panel
51	12-0152		New Hope Rd. (NC 279)	Burtonwood Dr.	176	2	018	Sig.51.0	1	1	1				
52	12-0154		New Hope Rd. (NC 279)	Robinwood Rd. (SR 2457)	70	9	094	Sig.52.0	1	1		1			
53	12-0155		Bessemer City Rd. (NC 274)	Northwest Blvd.	184	13	134	Sig.53.0	1	1	1	1			
54	12-0157		Franklin Blvd. (US 29/74)	Archie Whitesides Rd. (SR 1122)/ Edgewood Rd. (SR 1307)	1	12	118	Sig.54.0	1	1					
55	12-0162		Chester St. (US 321)	I-85 NB ramp (Exit 17)	128	15	154	Sig.55.0	1	1					
56	12-0165		Linwood Rd. (SR 1131)	Myrtle School Rd./ Davis Park Rd. (SR 1136)	81	10	098	Sig.56.0	1	1	1				
57	12-0169		New Hope Rd. (NC 279)	Court Dr.	172	2	014	Sig.57.0	1	1	1				
58	12-0173		New Hope Rd. (NC 279)	Auten Rd. (SR 2265)	169	2	012	Sig.58.0	1	1		1			
59	12-0176		New Hope Rd. (NC 279)	Pearl St.	174	2	016	Sig.59.0	1	1					
60	12-0181		Hudson Blvd. (SR 1255)	Lynhaven Dr./Lyon St.	87	10	102	Sig.60.0	1	1	1				
61	12-0190		Davis Park Rd. (SR 1136)	Hudson Blvd. (SR 1255)	83	10	100	Sig.61.0	1	1					
62	12-0194		New Hope Rd. (NC 279)	I-85 SB ramps (Exit 20)	173	2	015	Sig.62.0	1	1					
63	12-0195		New Hope Rd. (NC 279)	I-85 NB ramps (Exit 20)	174	2	016	Sig.63.0	1	1					
64	12-0203		Chester St. (US 321)	Airline Ave./ Long Ave. (NC 7)	110	15	151	Sig.64.0	1	1					
65	12-0213		Chester St. (US 321)	Rankin Ave.	124	15	150	Sig.65.0	1	1	1				
66	12-0234		Bessemer City Rd. (NC 274)	Isley Dr.	180	13	129	Sig.66.0	1	1	1	1			
67	12-0245		Union Rd. (NC 274)	Neal Hawkins Rd./ Robinwood Rd. (SR 2446)	149	8	073	Sig.67.0	1	1	1	1			
68	12-0264		Bessemer City Rd. (NC 274)	Milton Ave.	185	13	135	Sig.68.0	1	1		1			
69	12-0270		Cox Rd. (SR 2200)	Court Dr.	166	3	026	Sig.69.0	1	1					
70	12-0276		Garrison Blvd. (SR 2466)	Churchill Dr.	66	9	091	Sig.70.0	1	1	1				
71	12-0310		Union Rd. (NC 274)	Robinson Rd. (SR 2416)	150	8	074	Sig.71.0	1	1	1	1			
72	12-0326		New Hope Rd. (NC 279)	Redbud Dr. (SR 2329)	78	7	054	Sig.72.0	1	1					
73	12-0331		Ozark Ave./ Long Ave. (NC 7)	Modena St.	116	1	006	Sig.73.0	1	1		1			
74	12-0335		Bessemer City Rd. (NC 274)	Shannon Bradley Rd. (SR 1135)/ Jenkins Dairy Rd. (SR 1334)	182	13	131	Sig.74.0	1	1		1			
75	12-0357		New Hope Rd. (NC 279)	Lowell Bethesda Rd./ Beaty Rd. (SR 2439)	215	7	059	Sig.75.0	1	1					
76	12-0373		Lowell-Bethesda Rd. (SR 2439)	Titman Rd. (SR 2478)	229	7	067	Sig.76.0	1	1	1				
77	12-0609		Armstrong Park Rd. (SR 2200)	Armstrong Park Dr./ Gardner Park Dr.	159	3	027	Sig.77.0	1	1	1				
78	12-0632		Linwood Rd. (SR 1131)	Garrison Blvd. (SR 2466)	15	14	138	Sig.78.0	1	1					
79	12-0633		Garrison Blvd. (SR 2466)	Marietta St.	60	9	087	Sig.79.0	1	1	1				
80	12-0634		Garrison Blvd. (SR 2466)	Burtonwood Dr.	67	9	092	Sig.80.0	1	1					
81	12-0636		Bessemer City Rd. (NC 274)	Arkray St./Myrtle School Rd. (SR 1136)	186	13	135	Sig.81.0	1	1		1			
82	12-0902		Cox Rd. (SR 2200)	I-85 SB ramp (Exit 21)	164	3	024	Sig.82.0	1	1					
83	12-0921		Chester St. (US 321)	Rankin Lake Rd.	129	15	155	Sig.83.0	1	1					
84	12-0922		Chester St. (US 321)	Tulip Dr./ Bulb Ave.	130	15	156	Sig.84.0	1	1					
85	12-0923		Long Ave. (NC 7)	Broad St.	113	1	004	Sig.85.0	1	1					
86	12-0924		Chester St. (US 321)	Main Ave.	110	14	147	Sig.86.0	1	1					
87	12-0925		York Rd. (US 321)	Long Ave. (NC 7)	111	15	151	Sig.87.0	1	1					
88	12-0928		Bessemer City Rd. (NC 274)	I-85 NB ramp (Exit 14)	183	13	133	Sig.88.0	1	1		1			
89	12-0929		Long Ave. (NC 7)	Dr. M.L.K. Jr. Way (SR 2278)	112	1	003	Sig.89.0	1	1					1
90	12-0931		Bessemer City Rd. (NC 274)	I-85 SB ramp (Exit 14)	183	13	132	Sig.90.0	1	1		1			
91	12-0942		Franklin Blvd. (US 29/74)	W. Club Cir.	40	3	021	Sig.91.0	1	1					
92	12-0986		New Hope Rd. (NC 279)	Armstrong Park Rd. (SR 2466)	75	7	052	Sig.92.0	1	1					
93	12-0990		Kendrick Rd. (SR 2445)	Robinwood Rd. (SR 2457)	153	8	077	Sig.93.0	1	1	1	1			
94	12-1046		Cramerton Rd. (SR 2209)	Lowell-Bethesda Rd. (SR 2439)	230	7	068	Sig.94.0	1	1					
95	12-1086		Cox Rd. (SR 2200)	I-85 NB ramp (Exit 21)	163	3	024	Sig.95.0	1	1					
96	12-1105		Franklin Blvd. (US 29/74)	Franklin Square Entrance #1	44	6	044	Sig.96.0	1	1					
97	12-1124		Franklin Blvd. (US 29/74)	Shannon Bradley Rd. (SR 1135)/ Patterson Cir.	5	12	123	Sig.97.0	1	1					
98	12-1195		New Hope Rd. (NC 279)	Armstrong Ford Rd./ Twin Tops Rd.	224	7	065	Sig.98.0	1	1	1	1			
99	12-1209		Hoffman Rd. (SR 2446)	Robinwood Rd. (SR 2457)	154	8	078	Sig.99.0	1	1	1				
100	12-1231		New Hope Rd. (NC 279)	Pineview Ln.	76	7	053	Sig.100.0	1	1	1				

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



SCALE  
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**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**  
**SUMMARY OF WORK BY INTERSECTION**

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 ENGINEER  
SEAL 028952  
IGER Z. VAN OSDELL

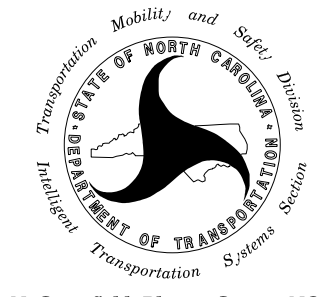


DocuSigned by:  
Iger Van Osdel  
3/21/2022

CADD File name:

Reference								Conduit and Risers					
								12	19	23	22	21	
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	Install New 2" Riser with Heat Shrink Tubing	Reuse Existing Riser with Heat Shrink Tubing	Install New Riser Entrance into Cabinet Foundation	Install New Conduit Entrance into Cabinet Foundation	Install Cable(s) in Existing Conduit Stub-Outs
51	12-0152		New Hope Rd. (NC 279)	Burtonwood Dr.	176	2	018	Sig.51.0		1			
52	12-0154		New Hope Rd. (NC 279)	Robinwood Rd. (SR 2457)	70	9	094	Sig.52.0		1			
53	12-0155		Bessemer City Rd. (NC 274)	Northwest Blvd.	184	13	134	Sig.53.0		1			1
54	12-0157		Franklin Blvd. (US 29/74)	Archie Whitesides Rd. (SR 1122)/ Edgewood Rd. (SR 1307)	1	12	118	Sig.54.0		1			
55	12-0162		Chester St. (US 321)	I-85 NB ramp (Exit 17)	128	15	154	Sig.55.0	1				1
56	12-0165		Linwood Rd. (SR 1131)	Myrtle School Rd./ Davis Park Rd. (SR 1136)	81	10	098	Sig.56.0		1			
57	12-0169		New Hope Rd. (NC 279)	Court Dr.	172	2	014	Sig.57.0		1			
58	12-0173		New Hope Rd. (NC 279)	Auten Rd. (SR 2265)	169	2	012	Sig.58.0		1			1
59	12-0176		New Hope Rd. (NC 279)	Pearl St.	174	2	016	Sig.59.0		1			
60	12-0181		Hudson Blvd. (SR 1255)	Lynhaven Dr./Lyon St.	87	10	102	Sig.60.0		1			
61	12-0190		Davis Park Rd. (SR 1136)	Hudson Blvd. (SR 1255)	83	10	100	Sig.61.0		1			
62	12-0194		New Hope Rd. (NC 279)	I-85 SB ramps (Exit 20)	173	2	015	Sig.62.0		1			1
63	12-0195		New Hope Rd. (NC 279)	I-85 NB ramps (Exit 20)	174	2	016	Sig.63.0		1			
64	12-0203		Chester St. (US 321)	Airline Ave./ Long Ave. (NC 7)	110	15	151	Sig.64.0		1			
65	12-0213		Chester St. (US 321)	Rankin Ave.	124	15	150	Sig.65.0	1				1
66	12-0234		Bessemer City Rd. (NC 274)	Isley Dr.	180	13	129	Sig.66.0	1				1
67	12-0245		Union Rd. (NC 274)	Neal Hawkins Rd./ Robinwood Rd. (SR 2446)	149	8	073	Sig.67.0		1			
68	12-0264		Bessemer City Rd. (NC 274)	Milton Ave.	185	13	135	Sig.68.0		1			
69	12-0270		Cox Rd. (SR 2200)	Court Dr.	166	3	026	Sig.69.0		1			
70	12-0276		Garrison Blvd. (SR 2466)	Churchill Dr.	66	9	091	Sig.70.0		1			
71	12-0310		Union Rd. (NC 274)	Robinson Rd. (SR 2416)	150	8	074	Sig.71.0	1				1
72	12-0326		New Hope Rd. (NC 279)	Redbud Dr. (SR 2329)	78	7	054	Sig.72.0		1			
73	12-0331		Ozark Ave./ Long Ave. (NC 7)	Modena St.	116	1	006	Sig.73.0	1				1
74	12-0335		Bessemer City Rd. (NC 274)	Shannon Bradley Rd. (SR 1135)/ Jenkins Dairy Rd. (SR 1334)	182	13	131	Sig.74.0		1			
75	12-0357		New Hope Rd. (NC 279)	Lowell-Bethesda Rd./ Beaty Rd. (SR 2439)	215	7	059	Sig.75.0	1			1	
76	12-0373		Lowell-Bethesda Rd. (SR 2439)	Titman Rd. (SR 2478)	229	7	067	Sig.76.0	1		1		
77	12-0609		Armstrong Park Rd. (SR 2200)	Armstrong Park Dr./ Gardner Park Dr.	159	3	027	Sig.77.0		1			
78	12-0632		Linwood Rd. (SR 1131)	Garrison Blvd. (SR 2466)	15	14	138	Sig.78.0		1			
79	12-0633		Garrison Blvd. (SR 2466)	Marietta St.	60	9	087	Sig.79.0		1			
80	12-0634		Garrison Blvd. (SR 2466)	Burtonwood Dr.	67	9	092	Sig.80.0		1			
81	12-0636		Bessemer City Rd. (NC 274)	Arkray St./Myrtle School Rd. (SR 1136)	186	13	135	Sig.81.0		1			1
82	12-0902		Cox Rd. (SR 2200)	I-85 SB ramp (Exit 21)	164	3	024	Sig.82.0		1			
83	12-0921		Chester St. (US 321)	Rankin Lake Rd.	129	15	155	Sig.83.0		1			
84	12-0922		Chester St. (US 321)	Tulip Dr./ Bulb Ave.	130	15	156	Sig.84.0	1				1
85	12-0923		Long Ave. (NC 7)	Broad St.	113	1	004	Sig.85.0					1
86	12-0924		Chester St. (US 321)	Main Ave.	110	14	147	Sig.86.0					1
87	12-0925		York Rd. (US 321)	Long Ave. (NC 7)	111	15	151	Sig.87.0					1
88	12-0928		Bessemer City Rd. (NC 274)	I-85 NB ramp (Exit 14)	183	13	133	Sig.88.0	1				1
89	12-0929		Long Ave. (NC 7)	Dr. M.L.K. Jr. Way (SR 2278)	112	1	003	Sig.89.0					1
90	12-0931		Bessemer City Rd. (NC 274)	I-85 SB ramp (Exit 14)	183	13	132	Sig.90.0		1			
91	12-0942		Franklin Blvd. (US 29/74)	W. Club Cir.	40	3	021	Sig.91.0					1
92	12-0986		New Hope Rd. (NC 279)	Armstrong Park Rd. (SR 2466)	75	7	052	Sig.92.0		1			
93	12-0990		Kendrick Rd. (SR 2445)	Robinwood Rd. (SR 2457)	153	8	077	Sig.93.0		1			
94	12-1046		Cramerton Rd. (SR 2209)	Lowell-Bethesda Rd. (SR 2439)	230	7	068	Sig.94.0					1
95	12-1086		Cox Rd. (SR 2200)	I-85 NB ramp (Exit 21)	163	3	024	Sig.95.0		1			
96	12-1105		Franklin Blvd. (US 29/74)	Franklin Square Entrance #1	44	6	044	Sig.96.0		1			
97	12-1124		Franklin Blvd. (US 29/74)	Shannon Bradley Rd. (SR 1135)/ Patterson Cir.	5	12	123	Sig.97.0		1			
98	12-1195		New Hope Rd. (NC 279)	Armstrong Ford Rd./ Twin Tops Rd.	224	7	065	Sig.98.0	1		1		
99	12-1209		Hoffman Rd. (SR 2446)	Robinwood Rd. (SR 2457)	154	8	078	Sig.99.0		1			
100	12-1231		New Hope Rd. (NC 279)	Pineview Ln.	76	7	053	Sig.100.0		1			

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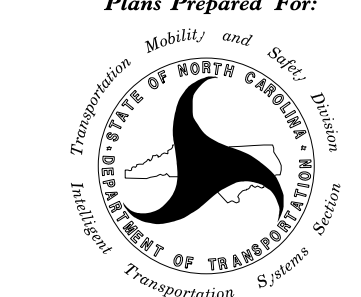
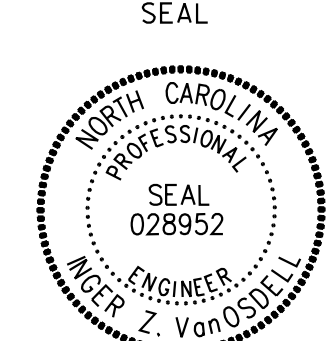

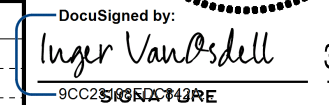
 Plans Prepared For: Transportation Mobility and Safety Division DEPARTMENT OF TRANSPORTATION State of North Carolina 250 N. Greenfield Place - Garner, NC 27529	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> <b>SUMMARY OF WORK BY INTERSECTION</b>		 Roger Z. Van Osdel ENGINEER SEAL 028952								
	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL			SEAL DATE DATE DATE							
SCALE 		REVISIONS <table border="1"> <tr><td>INIT.</td><td>DATE</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>			INIT.	DATE					
INIT.	DATE										

DocuSigned by: Roger Van Osdel 3/21/2022  
CADD File name:

Reference								Fiber Communications							
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	48B	1-6-12	-	28	-	-	26
									Remove Existing Fiber Optic Drop Cable	Install New Fiber Optic Drop Cable	Remove Existing Fiber Optic Interconnect Center	Install New Fiber Optic Interconnect Center	Remove Existing Fiber Optic Data Transceiver	Remove Existing Fiber Optic Video Transceiver	Install New Field Ethernet Switch
51	12-0152		New Hope Rd. (NC 279)	Burtonwood Dr.	176	2	018	Sig.51.0	1	1	1	1	1		1
52	12-0154		New Hope Rd. (NC 279)	Robinwood Rd. (SR 2457)	70	9	094	Sig.52.0	1	1	1	1	1		1
53	12-0155		Bessemer City Rd. (NC 274)	Northwest Blvd.	184	13	134	Sig.53.0	1	1	1	1	1		1
54	12-0157		Franklin Blvd. (US 29/74)	Archie Whitesides Rd. (SR 1122)/ Edgewood Rd. (SR 1307)	1	12	118	Sig.54.0	1	1	1	1		1	1
55	12-0162		Chester St. (US 321)	I-85 NB ramp (Exit 17)	128	15	154	Sig.55.0	1	1	1	1	1		1
56	12-0165		Linwood Rd. (SR 1131)	Myrtle School Rd./ Davis Park Rd. (SR 1136)	81	10	098	Sig.56.0	1	1	1	1	1		1
57	12-0169		New Hope Rd. (NC 279)	Court Dr.	172	2	014	Sig.57.0	1	1	1	1	1		1
58	12-0173		New Hope Rd. (NC 279)	Auten Rd. (SR 2265)	169	2	012	Sig.58.0	1	1	1	1	1		1
59	12-0176		New Hope Rd. (NC 279)	Pearl St.	174	2	016	Sig.59.0	1	1	1	1	1		1
60	12-0181		Hudson Blvd. (SR 1255)	Lynhaven Dr./Lyon St.	87	10	102	Sig.60.0	1	1	1	1	1		1
61	12-0190		Davis Park Rd. (SR 1136)	Hudson Blvd. (SR 1255)	83	10	100	Sig.61.0	1	1	1	1	1		1
62	12-0194		New Hope Rd. (NC 279)	I-85 SB ramps (Exit 20)	173	2	015	Sig.62.0	1	1	1	1	1	1	1
63	12-0195		New Hope Rd. (NC 279)	I-85 NB ramps (Exit 20)	174	2	016	Sig.63.0	1	1	1	1	1		1
64	12-0203		Chester St. (US 321)	Airline Ave./ Long Ave. (NC 7)	110	15	151	Sig.64.0	1	1	1	1	1		1
65	12-0213		Chester St. (US 321)	Rankin Ave.	124	15	150	Sig.65.0	1	1	1	1	1		1
66	12-0234		Bessemer City Rd. (NC 274)	Isley Dr.	180	13	129	Sig.66.0	1	1	1	1	1		1
67	12-0245		Union Rd. (NC 274)	Neal Hawkins Rd./ Robinwood Rd. (SR 2446)	149	8	073	Sig.67.0	1	1	1	1	1	1	1
68	12-0264		Bessemer City Rd. (NC 274)	Milton Ave.	185	13	135	Sig.68.0	1	1	1	1	1		1
69	12-0270		Cox Rd. (SR 2200)	Court Dr.	166	3	026	Sig.69.0	1	1	1	1	1		1
70	12-0276		Garrison Blvd. (SR 2466)	Churchill Dr.	66	9	091	Sig.70.0	1	1	1	1	1		1
71	12-0310		Union Rd. (NC 274)	Robinson Rd. (SR 2416)	150	8	074	Sig.71.0	1	1	1	1	1		1
72	12-0326		New Hope Rd. (NC 279)	Redbud Dr. (SR 2329)	78	7	054	Sig.72.0	1	1	1	1	1	1	1
73	12-0331		Ozark Ave./ Long Ave. (NC 7)	Modena St.	116	1	006	Sig.73.0	1	1	1	1	1		1
74	12-0335		Bessemer City Rd. (NC 274)	Shannon Bradley Rd. (SR 1135)/ Jenkins Dairy Rd. (SR 1334)	182	13	131	Sig.74.0	1	1	1	1	1		1
75	12-0357		New Hope Rd. (NC 279)	Lowell Bethesda Rd./ Beaty Rd. (SR 2439)	215	7	059	Sig.75.0		1		1	1		1
76	12-0373		Lowell-Bethesda Rd. (SR 2439)	Titman Rd. (SR 2478)	229	7	067	Sig.76.0		1		1	1		1
77	12-0609		Armstrong Park Rd. (SR 2200)	Armstrong Park Dr./ Gardner Park Dr.	159	3	027	Sig.77.0	1	1	1	1			1
78	12-0632		Linwood Rd. (SR 1131)	Garrison Blvd. (SR 2466)	15	14	138	Sig.78.0	1	1	1	1			1
79	12-0633		Garrison Blvd. (SR 2466)	Marietta St.	60	9	087	Sig.79.0	1	1	1	1	1		1
80	12-0634		Garrison Blvd. (SR 2466)	Burtonwood Dr.	67	9	092	Sig.80.0	1	1	1	1	1		1
81	12-0636		Bessemer City Rd. (NC 274)	Arkray St./Myrtle School Rd. (SR 1136)	186	13	135	Sig.81.0	1	1	1	1	1		1
82	12-0902		Cox Rd. (SR 2200)	I-85 SB ramp (Exit 21)	164	3	024	Sig.82.0	1	1	1	1	1		1
83	12-0921		Chester St. (US 321)	Rankin Lake Rd.	129	15	155	Sig.83.0	1	1	1	1	1		1
84	12-0922		Chester St. (US 321)	Tulip Dr./ Bulb Ave.	130	15	156	Sig.84.0	1	1	1	1	1	1	1
85	12-0923		Long Ave. (NC 7)	Broad St.	113	1	004	Sig.85.0	1	1	1	1	1		1
86	12-0924		Chester St. (US 321)	Main Ave.	110	14	147	Sig.86.0	1	1	1	1	1		1
87	12-0925		York Rd. (US 321)	Long Ave. (NC 7)	111	15	151	Sig.87.0	1	1	1	1	1		1
88	12-0928		Bessemer City Rd. (NC 274)	I-85 NB ramp (Exit 14)	183	13	133	Sig.88.0	1	1	1	1	1	1	1
89	12-0929		Long Ave. (NC 7)	Dr. M.L.K. Jr. Way (SR 2278)	112	1	003	Sig.89.0	1	1	1	1	1		1
90	12-0931		Bessemer City Rd. (NC 274)	I-85 SB ramp (Exit 14)	183	13	132	Sig.90.0	1	1	1	1	1		1
91	12-0942		Franklin Blvd. (US 29/74)	W. Club Cir.	40	3	021	Sig.91.0	1	1	1	1	1		1
92	12-0986		New Hope Rd. (NC 279)	Armstrong Park Rd. (SR 2466)	75	7	052	Sig.92.0	1	1	1	1	1		1
93	12-0990		Kendrick Rd. (SR 2445)	Robinwood Rd. (SR 2457)	153	8	077	Sig.93.0	1	1	1	1	1		1
94	12-1046		Cramerton Rd. (SR 2209)	Lowell-Bethesda Rd. (SR 2439)	230	7	068	Sig.94.0	1	1	1	1	1		1
95	12-1086		Cox Rd. (SR 2200)	I-85 NB ramp (Exit 21)	163	3	024	Sig.95.0	1	1	1	1	1	1	1
96	12-1105		Franklin Blvd. (US 29/74)	Franklin Square Entrance #1	44	6	044	Sig.96.0	1	1	1	1	1	1	1
97	12-1124		Franklin Blvd. (US 29/74)	Shannon Bradley Rd. (SR 1135)/ Patterson Cir.	5	12	123	Sig.97.0	1	1	1	1	1		1
98	12-1195		New Hope Rd. (NC 279)	Armstrong Ford Rd./ Twin Tops Rd.	224	7	065	Sig.98.0	1	1	1	1	1		1
99	12-1209		Hoffman Rd. (SR 2446)	Robinwood Rd. (SR 2457)	154	8	078	Sig.99.0	1	1	1	1	1		1
100	12-1231		New Hope Rd. (NC 279)	Pineview Ln.	76	7	053	Sig.100.0	1	1	1	1	1		1

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 <p>Plans Prepared For:                  Department of Transportation                  State of North Carolina                  250 N. Greenfield Pkwy., Garner, NC 27529</p>	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SUMMARY OF WORK BY INTERSECTION		
	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL		
SCALE 	REVISIONS _____ _____ _____	INIT. _____ _____ _____	DATE _____ _____ _____
DocuSigned by:  3/21/2022 CADD File name:			

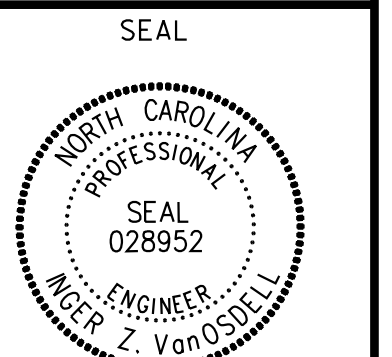


Reference								Wireless Communications			
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	74	75	50
									Remove Existing Wireless Radio Equipment	Install New Ethernet Wireless Radio Equipment	Install New Cell Modem and Antenna
51	12-0152		New Hope Rd. (NC 279)	Burtonwood Dr.	176	2	018	Sig.51.0			
52	12-0154		New Hope Rd. (NC 279)	Robinwood Rd. (SR 2457)	70	9	094	Sig.52.0			
53	12-0155		Bessemer City Rd. (NC 274)	Northwest Blvd.	184	13	134	Sig.53.0			
54	12-0157		Franklin Blvd. (US 29/74)	Archie Whitesides Rd. (SR 1122)/ Edgewood Rd. (SR 1307)	1	12	118	Sig.54.0			
55	12-0162		Chester St. (US 321)	I-85 NB ramp (Exit 17)	128	15	154	Sig.55.0			
56	12-0165		Linwood Rd. (SR 1131)	Myrtle School Rd./ Davis Park Rd. (SR 1136)	81	10	098	Sig.56.0			
57	12-0169		New Hope Rd. (NC 279)	Court Dr.	172	2	014	Sig.57.0	1	1	
58	12-0173		New Hope Rd. (NC 279)	Auten Rd. (SR 2265)	169	2	012	Sig.58.0			
59	12-0176		New Hope Rd. (NC 279)	Pearl St.	174	2	016	Sig.59.0			
60	12-0181		Hudson Blvd. (SR 1255)	Lynhaven Dr./Lyon St.	87	10	102	Sig.60.0			
61	12-0190		Davis Park Rd. (SR 1136)	Hudson Blvd. (SR 1255)	83	10	100	Sig.61.0			
62	12-0194		New Hope Rd. (NC 279)	I-85 SB ramps (Exit 20)	173	2	015	Sig.62.0			
63	12-0195		New Hope Rd. (NC 279)	I-85 NB ramps (Exit 20)	174	2	016	Sig.63.0			
64	12-0203		Chester St. (US 321)	Airline Ave./ Long Ave. (NC 7)	110	15	151	Sig.64.0			
65	12-0213		Chester St. (US 321)	Rankin Ave.	124	15	150	Sig.65.0			
66	12-0234		Bessemer City Rd. (NC 274)	Isley Dr.	180	13	129	Sig.66.0			
67	12-0245		Union Rd. (NC 274)	Neal Hawkins Rd./ Robinwood Rd. (SR 2446)	149	8	073	Sig.67.0			
68	12-0264		Bessemer City Rd. (NC 274)	Milton Ave.	185	13	135	Sig.68.0			
69	12-0270		Cox Rd. (SR 2200)	Court Dr.	166	3	026	Sig.69.0			
70	12-0276		Garrison Blvd. (SR 2466)	Churchill Dr.	66	9	091	Sig.70.0			
71	12-0310		Union Rd. (NC 274)	Robinson Rd. (SR 2416)	150	8	074	Sig.71.0			
72	12-0326		New Hope Rd. (NC 279)	Redbud Dr. (SR 2329)	78	7	054	Sig.72.0			
73	12-0331		Ozark Ave./ Long Ave. (NC 7)	Modena St.	116	1	006	Sig.73.0			
74	12-0335		Bessemer City Rd. (NC 274)	Shannon Bradley Rd. (SR 1135)/ Jenkins Dairy Rd. (SR 1334)	182	13	131	Sig.74.0			
75	12-0357		New Hope Rd. (NC 279)	Lowell-Bethesda Rd./ Beaty Rd. (SR 2439)	215	7	059	Sig.75.0			
76	12-0373		Lowell-Bethesda Rd. (SR 2439)	Titman Rd. (SR 2478)	229	7	067	Sig.76.0	1		
77	12-0609		Armstrong Park Rd. (SR 2200)	Armstrong Park Dr./ Gardner Park Dr.	159	3	027	Sig.77.0			
78	12-0632		Linwood Rd. (SR 1131)	Garrison Blvd. (SR 2466)	15	14	138	Sig.78.0			
79	12-0633		Garrison Blvd. (SR 2466)	Marietta St.	60	9	087	Sig.79.0			
80	12-0634		Garrison Blvd. (SR 2466)	Burtonwood Dr.	67	9	092	Sig.80.0			
81	12-0636		Bessemer City Rd. (NC 274)	Arkray St./Myrtle School Rd. (SR 1136)	186	13	135	Sig.81.0			
82	12-0902		Cox Rd. (SR 2200)	I-85 SB ramp (Exit 21)	164	3	024	Sig.82.0			
83	12-0921		Chester St. (US 321)	Rankin Lake Rd.	129	15	155	Sig.83.0			
84	12-0922		Chester St. (US 321)	Tulip Dr./ Bulb Ave.	130	15	156	Sig.84.0			
85	12-0923		Long Ave. (NC 7)	Broad St.	113	1	004	Sig.85.0			
86	12-0924		Chester St. (US 321)	Main Ave.	110	14	147	Sig.86.0			
87	12-0925		York Rd. (US 321)	Long Ave. (NC 7)	111	15	151	Sig.87.0			
88	12-0928		Bessemer City Rd. (NC 274)	I-85 NB ramp (Exit 14)	183	13	133	Sig.88.0			
89	12-0929		Long Ave. (NC 7)	Dr. M.L.K. Jr. Way (SR 2278)	112	1	003	Sig.89.0			
90	12-0931		Bessemer City Rd. (NC 274)	I-85 SB ramp (Exit 14)	183	13	132	Sig.90.0			
91	12-0942		Franklin Blvd. (US 29/74)	W. Club Cir.	40	3	021	Sig.91.0			
92	12-0986		New Hope Rd. (NC 279)	Armstrong Park Rd. (SR 2466)	75	7	052	Sig.92.0			
93	12-0990		Kendrick Rd. (SR 2445)	Robinwood Rd. (SR 2457)	153	8	077	Sig.93.0			
94	12-1046		Cramerton Rd. (SR 2209)	Lowell-Bethesda Rd. (SR 2439)	230	7	068	Sig.94.0	1		
95	12-1086		Cox Rd. (SR 2200)	I-85 NB ramp (Exit 21)	163	3	024	Sig.95.0			
96	12-1105		Franklin Blvd. (US 29/74)	Franklin Square Entrance #1 Shannon Bradley Rd. (SR 1135)/ Patterson Cir.	44	6	044	Sig.96.0			
97	12-1124		Franklin Blvd. (US 29/74)	Cir.	5	12	123	Sig.97.0			
98	12-1195		New Hope Rd. (NC 279)	Armstrong Ford Rd./ Twin Tops Rd.	224	7	065	Sig.98.0			
99	12-1209		Hoffman Rd. (SR 2446)	Robinwood Rd. (SR 2457)	154	8	078	Sig.99.0			
100	12-1231		New Hope Rd. (NC 279)	Pineview Ln.	76	7	053	Sig.100.0			

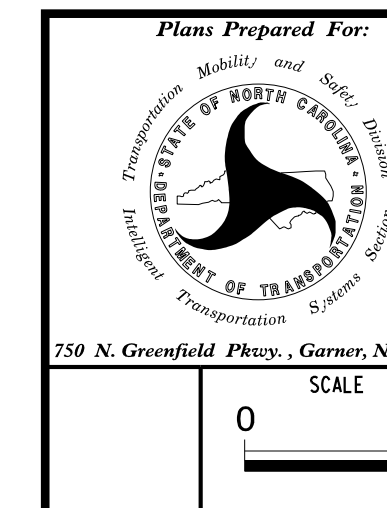
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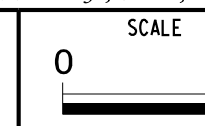
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DocuSigned by:  
**Roger Van Osdel**  
3/21/2022



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

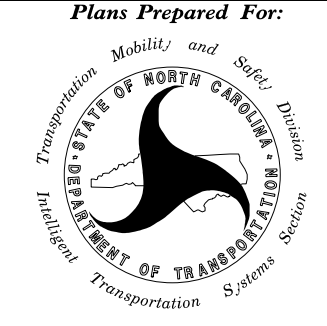


Reference								Signal Cabinets				Cabinet Foundations				
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	69	69	33	-	-	73	34	34
									Remove Existing Base Mounted Cabinet	Remove Existing Pole Mounted Cabinet	Install New Base Mounted 332 Cabinet with Aux File	Install Cabinet Base Extender	Reuse Existing Signal Cabinet Foundation	Modify Existing Signal Cabinet Foundation	Install New Signal Cabinet Foundation (Same Quadrant)	Install New Signal Cabinet Foundation (Different Quadrant)
101	12-1238		Cox Rd. (SR 2200)	Gaston Mall Dr.	162	3	023	Sig.101.0	1		1	1	1			
102	12-1282		Cox Rd. (SR 2200)	Aberdeen Blvd.	165	3	025	Sig.102.0	1		1	1	1			
103	12-1304		Union Rd. (NC 274)	Gaston Day School Rd. (SR 2200)	204	8	076	Sig.103.0	1		1	1	1			
104	12-1319		Main St. (SR 2329)	I-85 NB ramp (Exit 22)	53	6	048	Sig.104.0	1		1	1	1			
105	12-1320		Main St. (SR 2329)	I-85 SB Ramp (Exit 22)	54	6	048	Sig.105.0	1		1	1	1			
106	12-1348		Wilkinson Blvd. (US 29/74)	Westover St.	51	6	049	Sig.106.0	1		1	1	1			
107	12-1354		New Hope Rd. (NC 279)	Country Club Rd.	176	2	018	Sig.107.0	1		1	1	1			
108	12-1358		Union Rd. (NC 274)	Osceola St.	62	9	088	Sig.108.0	1		1	1	1			
109	12-1373		New Hope Rd. (NC 279)	Modena St./ Montrose Dr.	167	2	010	Sig.109.0	1		1	1	1			
110	12-1378		Hudson Blvd. (SR 1255)	Robinwood Rd. (SR 2457)	98	8	081	Sig.110.0	1		1	1	1			
111	12-1401		Franklin Blvd. (US 29/74)	Franklin Square Entrance #2	46	6	045	Sig.111.0	1		1	1	1			
112	12-1410		Hudson Blvd. (SR 1255)	Neal Hawkins Rd. (SR 2400)	92	10	105	Sig.112.0	1		1	1	1			
113	12-1411		Union Rd. (NC 274)	Hudson Blvd. (SR 1255)	93	10	108	Sig.113.0	1		1	1	1			
114	12-1454		Franklin Blvd. (US 29/74)	Home Depot Entrance	43	6	043	Sig.114.0	1		1	1	1			
115	12-1459		Hudson Blvd. (SR 1255)	Bradford Heights Rd.	103	8	083	Sig.115.0	1		1	1	1			
116	12-1460		Hudson Blvd. (SR 1255)	Hoffman Rd.(SR 2446)/ Redbud Dr. (SR 2329)	104	8	085	Sig.116.0	1		1	1	1			
117	12-1495		Franklin Blvd. (US 29/74)	Entrances to Hwy Patrol/Dixie Village	8	12	125	Sig.117.0	1		1	1	1			
118	12-1512		Robinwood Rd. (SR 2457)	Covenant Dr.	72	9	095	Sig.118.0	1		1	1	1			
119	12-1535		New Hope Rd. (NC 279)	Remount Rd.	173	2	015	Sig.119.0	1		1	1	1			
120	12-1536		New Hope Rd. (NC 279)	Stroupe Rd.	213	7	057	Sig.120.0	1		1	1	1			
121	12-1541		New Hope Rd. (NC 279)	Cramer Mtn Rd.	219	7	061	Sig.121.0		1	1	1			1	
122	12-1543		Garrison Blvd. (SR 2466)	Trenton St./ Athenian Dr.	58	11	114	Sig.122.0	1		1	1	1			
123	12-1562		Franklin Blvd. (US 29/74)	Lineberger Rd.	46	6	045	Sig.123.0	1		1	1	1			
124	12-1563		Franklin Blvd. (US 29/74)	Church St. (SR 2339)	47	6	046	Sig.124.0	1		1	1	1			
125	12-1603		Armstrong Park Rd. (SR 2200)	Spirit Dr.	158	3	028	Sig.125.0	1		1	1	1			
126	12-1604		Gaston Day Sch Rd. (SR 2200)	Hoffman Rd. (SR 2446)	155	8	084	Sig.126.0	1		1	1	1			
127	12-1605		Hudson Blvd. (SR 1255)	Armstrong Park Rd./ Gaston Day School Rd. (SR 2200)	102	8	083	Sig.127.0	1		1	1	1			
128	12-1623		Chester St. (US 321)	Radio St.	128	15	154	Sig.128.0	1		1	1	1			
129	12-1706		Myrtle School Rd. (SR 1136)	Wal-Mart Entrance	10	12	126	Sig.129.0	1		1	1	1			
130	12-1712		Lowell-Bethesda Rd. (SR 2439)	Westover St. / Gaston Rd. (SR 2481)	52	7	070	Sig.130.0	1		1	1	1			
131	12-1715		Franklin Blvd. (US 29/74)	Sadler Elementary School	1	12	118	Sig.131.0	1		1	1	1			
132	12-1718		New Hope Rd. (NC 279)	Stowe Rd. (SR 2436)	221	7	063	Sig.132.0	1		1	1	1			
133	12-1778		Franklin Blvd. (US 29/74)	Gaston Mall Dr.	41	3	022	Sig.133.0	1		1	1	1			
134	12-1803		Chester St. (US 321)	I-85 SB Exit Ramp/ I-85 NB Entrance Ramp	129	15	155	Sig.134.0	1		1	1	1			
135	12-1825		Robinwood Rd. (SR 2457)	YMCA/ Robinson Oaks Dr.	208	8	080	Sig.135.0	1		1	1	1			
136		CITY-01	Lynhaven Dr.	Edgefield Ave.	89	10	103	Sig. 136.0	1		1	1	1			
137		CITY-02	Spencer Ave.	Miller St.	57	14	140	Sig. 137.0	1		1	1	1			
138		CITY-06	Main Ave.	Oakland St./ Bus Station Entrance	123	5	041	Sig. 138.0	1		1	1	1		1	
139		CITY-07	Aberdeen Blvd.	Remount Rd.	178	3	019	Sig. 139.0	1		1	1	1			
140		CITY-09	West Club Cir.	Aberdeen Blvd.	177	3	020	Sig. 140.0	1		1	1	1			
141		CITY-10	Dr. M.L.K. Jr. Way	Main Ave.	122	5	-	Sig. 141.0	1		1	1	1			
142		CITY-11	Court Dr.	Caromont Health Driveway	243	2	-	Sig. 142.0	1		1	1	1			
143		CITY-13	Hargrove Ave.	Davidson Ave.	245	-	-	Sig. 143.0	1		1	1	1			
144		CITY-14	Court Dr.	Gaston Memorial Dr.	244	2	-	Sig. 144.0	1		1	1	1			
<b>TOTAL</b>									<b>135</b>	<b>9</b>	<b>144</b>	<b>134</b>	<b>134</b>	<b>1</b>	<b>8</b>	<b>1</b>

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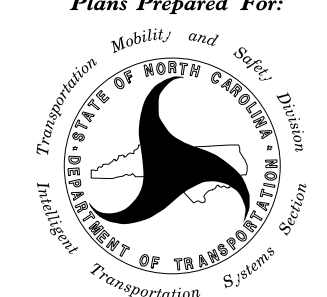
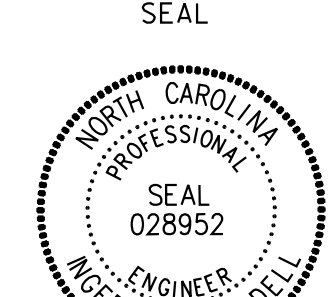
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 <p>Plans Prepared For: Transportation Mobility and Safety Division STATE OF NORTH CAROLINA Department of Transportation</p>		<p><b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> <b>SUMMARY OF WORK BY INTERSECTION</b></p>		<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MICHAEL Z. VAN OSDELL</p>	
<p>250 N. Greenfield Place - Garner, NC 27529</p>		<p>DIVISION 12 GASTON COUNTY</p>		<p>DocuSigned by: Inger Van OsdeLL 3/21/2022</p>	
<p>SCALE 0</p>		<p>PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH</p>		<p>PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL</p>	
<p>REVISIONS</p>		<p>INIT. DATE</p>		<p>DATE</p>	
<p>CADD File name:</p>		<p></p>		<p></p>	

Reference									Controllers		Preemption		Electrical Service		
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	69	33	-	-	58	-	-
									Remove Existing Local Controller	Install New 2070LX Local Controller	Install New Emergency Vehicle Preemption Equipment	Reuse Existing Railroad Preemption Equipment	Install New Electrical Service	Remove Existing Electrical Service	Reuse Existing Base Adapter with Electrical Combination Panel
101	12-1238		Cox Rd. (SR 2200)	Gaston Mall Dr.	162	3	023	Sig.101.0	1	1					
102	12-1282		Cox Rd. (SR 2200)	Aberdeen Blvd.	165	3	025	Sig.102.0	1	1					
103	12-1304		Union Rd. (NC 274)	Gaston Day School Rd. (SR 2200)	204	8	076	Sig.103.0	1	1					
104	12-1319		Main St. (SR 2329)	I-85 NB ramp (Exit 22)	53	6	048	Sig.104.0	1	1	1				
105	12-1320		Main St. (SR 2329)	I-85 SB Ramp (Exit 22)	54	6	048	Sig.105.0	1	1	1				
106	12-1348		Wilkinson Blvd. (US 29/74)	Westover St.	51	6	049	Sig.106.0	1	1					
107	12-1354		New Hope Rd. (NC 279)	Country Club Rd.	176	2	018	Sig.107.0	1	1	1				
108	12-1358		Union Rd. (NC 274)	Osceola St.	62	9	088	Sig.108.0	1	1	1				
109	12-1373		New Hope Rd. (NC 279)	Modena St./ Montrose Dr.	167	2	010	Sig.109.0	1	1	1				
110	12-1378		Hudson Blvd. (SR 1255)	Robinwood Rd. (SR 2457)	98	8	081	Sig.110.0	1	1					
111	12-1401		Franklin Blvd. (US 29/74)	Franklin Square Entrance #2	46	6	045	Sig.111.0	1	1					
112	12-1410		Hudson Blvd. (SR 1255)	Neal Hawkins Rd. (SR 2400)	92	10	105	Sig.112.0	1	1		1			
113	12-1411		Union Rd. (NC 274)	Hudson Blvd. (SR 1255)	93	10	108	Sig.113.0	1	1					
114	12-1454		Franklin Blvd. (US 29/74)	Home Depot Entrance	43	6	043	Sig.114.0	1	1					
115	12-1459		Hudson Blvd. (SR 1255)	Bradford Heights Rd.	103	8	083	Sig.115.0	1	1					
116	12-1460		Hudson Blvd. (SR 1255)	Hoffman Rd.(SR 2446)/ Redbud Dr. (SR 2329)	104	8	085	Sig.116.0	1	1					
117	12-1495		Franklin Blvd. (US 29/74)	Entrances to Hwy Patrol/Dixie Village	8	12	125	Sig.117.0	1	1					
118	12-1512		Robinwood Rd. (SR 2457)	Covenant Dr.	72	9	095	Sig.118.0	1	1	1				
119	12-1535		New Hope Rd. (NC 279)	Remount Rd.	173	2	015	Sig.119.0	1	1					
120	12-1536		New Hope Rd. (NC 279)	Stroupe Rd.	213	7	057	Sig.120.0	1	1					
121	12-1541		New Hope Rd. (NC 279)	Cramer Mtn Rd.	219	7	061	Sig.121.0	1	1					
122	12-1543		Garrison Blvd. (SR 2466)	Trenton St./ Athenian Dr.	58	11	114	Sig.122.0	1	1	1				
123	12-1562		Franklin Blvd. (US 29/74)	Lineberger Rd.	46	6	045	Sig.123.0	1	1					
124	12-1563		Franklin Blvd. (US 29/74)	Church St. (SR 2339)	47	6	046	Sig.124.0	1	1					
125	12-1603		Armstrong Park Rd. (SR 2200)	Spirit Dr.	158	3	028	Sig.125.0	1	1		1			
126	12-1604		Gaston Day Sch Rd. (SR 2200)	Hoffman Rd. (SR 2446)	155	8	084	Sig.126.0	1	1					
127	12-1605		Hudson Blvd. (SR 1255)	Armstrong Park Rd./ Gaston Day School Rd. (SR 2200)	102	8	083	Sig.127.0	1	1					
128	12-1623		Chester St. (US 321)	Radio St.	128	15	154	Sig.128.0	1	1					
129	12-1706		Myrtle School Rd. (SR 1136)	Wal-Mart Entrance	10	12	126	Sig.129.0	1	1		1			
130	12-1712		Lowell-Bethesda Rd. (SR 2439)	Westover St. / Gaston Rd. (SR 2481)	52	7	070	Sig.130.0	1	1					
131	12-1715		Franklin Blvd. (US 29/74)	Sadler Elementary School	1	12	118	Sig.131.0	1	1	1				
132	12-1718		New Hope Rd. (NC 279)	Stowe Rd. (SR 2436)	221	7	063	Sig.132.0	1	1	1				
133	12-1778		Franklin Blvd. (US 29/74)	Gaston Mall Dr.	41	3	022	Sig.133.0	1	1					
134	12-1803		Chester St. (US 321)	I-85 SB Exit Ramp/ I-85 NB Entrance Ramp	129	15	155	Sig.134.0	1	1					
135	12-1825		Robinwood Rd. (SR 2457)	YMCA/ Robinson Oaks Dr.	208	8	080	Sig.135.0	1	1	1				
136		CITY-01	Lynhaven Dr.	Edgefield Ave.	89	10	103	Sig. 136.0	1	1					
137		CITY-02	Spencer Ave.	Miller St.	57	14	140	Sig. 137.0	1	1					
138		CITY-06	Main Ave.	Oakland St./ Bus Station Entrance	123	5	041	Sig. 138.0	1	1				1	
139		CITY-07	Aberdeen Blvd.	Remount Rd.	178	3	019	Sig. 139.0	1	1					
140		CITY-09	West Club Cir.	Aberdeen Blvd.	177	3	020	Sig. 140.0	1	1					
141		CITY-10	Dr. M.L.K. Jr. Way	Main Ave.	122	5	-	Sig. 141.0	1	1					1
142		CITY-11	Court Dr.	Caromont Health Driveway	243	2	-	Sig. 142.0	1	1					1
143		CITY-13	Hargrove Ave.	Davidson Ave.	245	-	-	Sig. 143.0	1	1					
144		CITY-14	Court Dr.	Gaston Memorial Dr.	244	2	-	Sig. 144.0	1	1					1
<b>TOTAL</b>									<b>144</b>	<b>144</b>	<b>50</b>	<b>19</b>	<b>1</b>	<b>2</b>	<b>9</b>

3/21/2022 \\kimley-horn.com\SE-RAL\N\RAL\N\RAL\_TPTD\ITS\01036569\_Gastonia\_Signal\_System\6\_Tasks\Plans\ITS\_Details\C-5703\_ITS\_psn\_26.dgn

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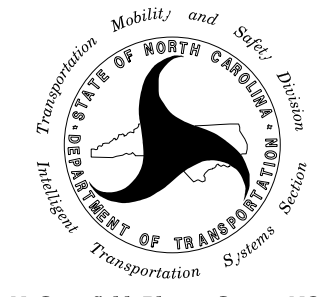
 Plans Prepared For: Transportation Mobility and Safety Division DEPARTMENT OF TRANSPORTATION 250 N. Greenfield Place - Garner, NC 27529	CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM SUMMARY OF WORK BY INTERSECTION		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER INGER Z. VAN OSDELL 028952
	DIVISION 12 GASTON COUNTY		
	PLAN DATE: DECEMBER 2021	REVIEWED BY: K. SMITH	
	PREPARED BY: S. BUTLER	REVIEWED BY: I. VAN OSDELL	
SCALE 0	REVISIONS _____	INIT. DATE _____	DocuSigned by: Inger Van Osdel 3/21/2022 DATE

Reference								Conduit and Risers					
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	12	19	23	22	21
									Install New 2" Riser with Heat Shrink Tubing	Reuse Existing Riser with Heat Shrink Tubing	Install New Riser Entrance into Cabinet Foundation	Install New Conduit Entrance into Cabinet Foundation	Install Cable(s) in Existing Conduit Stub-Outs
101	12-1238		Cox Rd. (SR 2200)	Gaston Mall Dr.	162	3	023	Sig.101.0		1			
102	12-1282		Cox Rd. (SR 2200)	Aberdeen Blvd.	165	3	025	Sig.102.0	1				1
103	12-1304		Union Rd. (NC 274)	Gaston Day School Rd. (SR 2200)	204	8	076	Sig.103.0	1		1		
104	12-1319		Main St. (SR 2329)	I-85 NB ramp (Exit 22)	53	6	048	Sig.104.0	1				1
105	12-1320		Main St. (SR 2329)	I-85 SB Ramp (Exit 22)	54	6	048	Sig.105.0		1			
106	12-1348		Wilkinson Blvd. (US 29/74)	Westover St.	51	6	049	Sig.106.0		1			
107	12-1354		New Hope Rd. (NC 279)	Country Club Rd.	176	2	018	Sig.107.0		1			
108	12-1358		Union Rd. (NC 274)	Osceola St.	62	9	088	Sig.108.0		1			
109	12-1373		New Hope Rd. (NC 279)	Modena St./ Montrose Dr.	167	2	010	Sig.109.0		1			
110	12-1378		Hudson Blvd. (SR 1255)	Robinwood Rd. (SR 2457)	98	8	081	Sig.110.0		1			
111	12-1401		Franklin Blvd. (US 29/74)	Franklin Square Entrance #2	46	6	045	Sig.111.0		1			
112	12-1410		Hudson Blvd. (SR 1255)	Neal Hawkins Rd. (SR 2400)	92	10	105	Sig.112.0	1				1
113	12-1411		Union Rd. (NC 274)	Hudson Blvd. (SR 1255)	93	10	108	Sig.113.0		1			
114	12-1454		Franklin Blvd. (US 29/74)	Home Depot Entrance	43	6	043	Sig.114.0		1			
115	12-1459		Hudson Blvd. (SR 1255)	Bradford Heights Rd.	103	8	083	Sig.115.0		1			
116	12-1460		Hudson Blvd. (SR 1255)	Hoffman Rd.(SR 2446)/ Redbud Dr. (SR 2329)	104	8	085	Sig.116.0		1			
117	12-1495		Franklin Blvd. (US 29/74)	Entrances to Hwy Patrol/Dixie Village	8	12	125	Sig.117.0	1				1
118	12-1512		Robinwood Rd. (SR 2457)	Covenant Dr.	72	9	095	Sig.118.0		1			
119	12-1535		New Hope Rd. (NC 279)	Remount Rd.	173	2	015	Sig.119.0		1			
120	12-1536		New Hope Rd. (NC 279)	Stroupe Rd.	213	7	057	Sig.120.0				1	
121	12-1541		New Hope Rd. (NC 279)	Cramer Mtn Rd.	219	7	061	Sig.121.0	1				1
122	12-1543		Garrison Blvd. (SR 2466)	Trenton St./ Athenian Dr.	58	11	114	Sig.122.0		1			
123	12-1562		Franklin Blvd. (US 29/74)	Lineberger Rd.	46	6	045	Sig.123.0		1			
124	12-1563		Franklin Blvd. (US 29/74)	Church St. (SR 2339)	47	6	046	Sig.124.0		1			
125	12-1603		Armstrong Park Rd. (SR 2200)	Spirit Dr.	158	3	028	Sig.125.0		1			
126	12-1604		Gaston Day Sch Rd. (SR 2200)	Hoffman Rd. (SR 2446)	155	8	084	Sig.126.0		1			
127	12-1605		Hudson Blvd. (SR 1255)	Armstrong Park Rd./ Gaston Day School Rd. (SR 2200)	102	8	083	Sig.127.0		1			
128	12-1623		Chester St. (US 321)	Radio St.	128	15	154	Sig.128.0		1			1
129	12-1706		Myrtle School Rd. (SR 1136)	Wal-Mart Entrance	10	12	126	Sig.129.0		1			
130	12-1712		Lowell-Bethesda Rd. (SR 2439)	Westover St. / Gaston Rd. (SR 2481)	52	7	070	Sig.130.0		1			
131	12-1715		Franklin Blvd. (US 29/74)	Sadler Elementary School	1	12	118	Sig.131.0		1			
132	12-1718		New Hope Rd. (NC 279)	Stowe Rd. (SR 2436)	221	7	063	Sig.132.0	1				1
133	12-1778		Franklin Blvd. (US 29/74)	Gaston Mall Dr.	41	3	022	Sig.133.0		1			
134	12-1803		Chester St. (US 321)	I-85 SB Exit Ramp/ I-85 NB Entrance Ramp	129	15	155	Sig.134.0		1			
135	12-1825		Robinwood Rd. (SR 2457)	YMCA/ Robinson Oaks Dr.	208	8	080	Sig.135.0	1				1
136		CITY-01	Lynhaven Dr.	Edgefield Ave.	89	10	103	Sig. 136.0		1			
137		CITY-02	Spencer Ave.	Miller St.	57	14	140	Sig. 137.0		1			
138		CITY-06	Main Ave.	Oakland St./ Bus Station Entrance	123	5	041	Sig. 138.0					1
139		CITY-07	Aberdeen Blvd.	Remount Rd.	178	3	019	Sig. 139.0		1			
140		CITY-09	West Club Cir.	Aberdeen Blvd.	177	3	020	Sig. 140.0		1			
141		CITY-10	Dr. M.L.K. Jr. Way	Main Ave.	122	5	-	Sig. 141.0					
142		CITY-11	Court Dr.	Caromont Health Driveway	243	2	-	Sig. 142.0					
143		CITY-13	Hargrove Ave.	Davidson Ave.	245	-	-	Sig. 143.0					
144		CITY-14	Court Dr.	Gaston Memorial Dr.	244	2	-	Sig. 144.0					
<b>TOTAL</b>									<b>26</b>	<b>100</b>	<b>3</b>	<b>2</b>	<b>45</b>

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Plans Prepared For:



250 N. Greenfield Place - Garner, NC 27529

SCALE  
0

**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**

**SUMMARY OF WORK BY INTERSECTION**

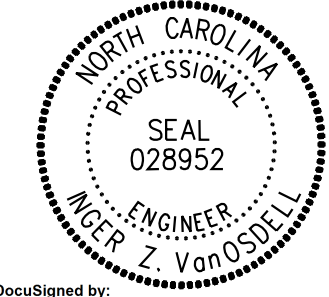
DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

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

REVISIONS	INIT.	DATE

SEAL

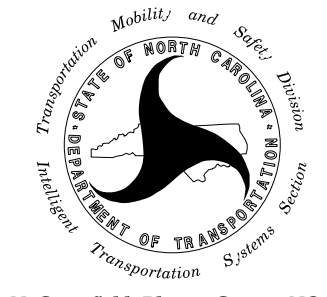



DocuSigned by:  
**Iger Van OsdeLL**  
3/21/2022

CADD File name:

Reference								Fiber Communications							
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	48B	1-6-12	-	28	-	-	26
									Remove Existing Fiber Optic Drop Cable	Install New Fiber Optic Drop Cable	Remove Existing Fiber Optic Interconnect Center	Install New Fiber Optic Interconnect Center	Remove Existing Fiber Optic Data Transceiver	Remove Existing Fiber Optic Video Transceiver	Install New Field Ethernet Switch
101	12-1238		Cox Rd. (SR 2200)	Gaston Mall Dr.	162	3	023	Sig.101.0	1	1	1	1	1		1
102	12-1282		Cox Rd. (SR 2200)	Aberdeen Blvd.	165	3	025	Sig.102.0	1	1	1	1	1		1
103	12-1304		Union Rd. (NC 274)	Gaston Day School Rd. (SR 2200)	204	8	076	Sig.103.0		1		1			1
104	12-1319		Main St. (SR 2329)	I-85 NB ramp (Exit 22)	53	6	048	Sig.104.0	1	1	1	1		1	1
105	12-1320		Main St. (SR 2329)	I-85 SB Ramp (Exit 22)	54	6	048	Sig.105.0	1	1	1	1	1		1
106	12-1348		Wilkinson Blvd. (US 29/74)	Westover St.	51	6	049	Sig.106.0	1	1	1	1	1		1
107	12-1354		New Hope Rd. (NC 279)	Country Club Rd.	176	2	018	Sig.107.0	1	1	1	1	1		1
108	12-1358		Union Rd. (NC 274)	Osceola St.	62	9	088	Sig.108.0	1	1	1	1	1		1
109	12-1373		New Hope Rd. (NC 279)	Modena St./ Montrose Dr.	167	2	010	Sig.109.0	1	1	1	1	1		1
110	12-1378		Hudson Blvd. (SR 1255)	Robinwood Rd. (SR 2457)	98	8	081	Sig.110.0	1	1	1	1	1		1
111	12-1401		Franklin Blvd. (US 29/74)	Franklin Square Entrance #2	46	6	045	Sig.111.0	1	1	1	1	1	1	1
112	12-1410		Hudson Blvd. (SR 1255)	Neal Hawkins Rd. (SR 2400)	92	10	105	Sig.112.0		1	1	1	1		1
113	12-1411		Union Rd. (NC 274)	Hudson Blvd. (SR 1255)	93	10	108	Sig.113.0	1	1	1	1	1	1	1
114	12-1454		Franklin Blvd. (US 29/74)	Home Depot Entrance	43	6	043	Sig.114.0	1	1	1	1	1	1	1
115	12-1459		Hudson Blvd. (SR 1255)	Bradford Heights Rd.	103	8	083	Sig.115.0	1	1	1	1	1		1
116	12-1460		Hudson Blvd. (SR 1255)	Hoffman Rd.(SR 2446)/ Redbud Dr. (SR 2329)	104	8	085	Sig.116.0	1	1	1	1	1		1
117	12-1495		Franklin Blvd. (US 29/74)	Entrances to Hwy Patrol/Dixie Village	8	12	125	Sig.117.0	1	1	1	1	1		1
118	12-1512		Robinwood Rd. (SR 2457)	Covenant Dr.	72	9	095	Sig.118.0	1	1	1	1	1		1
119	12-1535		New Hope Rd. (NC 279)	Remount Rd.	173	2	015	Sig.119.0	1	1	1	1	1		1
120	12-1536		New Hope Rd. (NC 279)	Stroupe Rd.	213	7	057	Sig.120.0		1		1			1
121	12-1541		New Hope Rd. (NC 279)	Cramer Mtn Rd.	219	7	061	Sig.121.0		1		1			1
122	12-1543		Garrison Blvd. (SR 2466)	Trenton St./ Athenian Dr.	58	11	114	Sig.122.0	1	1	1	1	1		1
123	12-1562		Franklin Blvd. (US 29/74)	Lineberger Rd.	46	6	045	Sig.123.0	1	1	1	1	1		1
124	12-1563		Franklin Blvd. (US 29/74)	Church St. (SR 2339)	47	6	046	Sig.124.0	1	1	1	1	1		1
125	12-1603		Armstrong Park Rd. (SR 2200)	Spirit Dr.	158	3	028	Sig.125.0	1	1	1	1	1		1
126	12-1604		Gaston Day Sch Rd. (SR 2200)	Hoffman Rd. (SR 2446)	155	8	084	Sig.126.0	1	1	1	1	1		1
127	12-1605		Hudson Blvd. (SR 1255)	Armstrong Park Rd./ Gaston Day School Rd. (SR 2200)	102	8	083	Sig.127.0	1	1	1	1	1		1
128	12-1623		Chester St. (US 321)	Radio St.	128	15	154	Sig.128.0	1	1	1	1	1		1
129	12-1706		Myrtle School Rd. (SR 1136)	Wal-Mart Entrance	10	12	126	Sig.129.0	1	1	1	1	1		1
130	12-1712		Lowell-Bethesda Rd. (SR 2439)	Westover St. / Gaston Rd. (SR 2481)	52	7	070	Sig.130.0	1	1	1	1	1		1
131	12-1715		Franklin Blvd. (US 29/74)	Sadler Elementary School	1	12	118	Sig.131.0	1	1	1	1	1		1
132	12-1718		New Hope Rd. (NC 279)	Stowe Rd. (SR 2436)	221	7	063	Sig.132.0		1		1			1
133	12-1778		Franklin Blvd. (US 29/74)	Gaston Mall Dr.	41	3	022	Sig.133.0	1	1	1	1	1		1
134	12-1803		Chester St. (US 321)	I-85 SB Exit Ramp/ I-85 NB Entrance Ramp	129	15	155	Sig.134.0	1	1	1	1	1		1
135	12-1825		Robinwood Rd. (SR 2457)	YMCA/ Robinson Oaks Dr.	208	8	080	Sig.135.0		1		1			1
136		CITY-01	Lynhaven Dr.	Edgefield Ave.	89	10	103	Sig. 136.0	1	1	1	1	1		1
137		CITY-02	Spencer Ave.	Miller St.	57	14	140	Sig. 137.0	1	1	1	1	1		1
138		CITY-06	Main Ave.	Oakland St./ Bus Station Entrance	123	5	041	Sig. 138.0	1	1	1	1	1		1
139		CITY-07	Aberdeen Blvd.	Remount Rd.	178	3	019	Sig. 139.0	1	1	1	1	1		1
140		CITY-09	West Club Cir.	Aberdeen Blvd.	177	3	020	Sig. 140.0	1	1	1	1	1		1
141		CITY-10	Dr. M.L.K. Jr. Way	Main Ave.	122	5	-	Sig. 141.0							1
142		CITY-11	Court Dr.	Caromont Health Driveway	243	2	-	Sig. 142.0							1
143		CITY-13	Hargrove Ave.	Davidson Ave.	245	-	-	Sig. 143.0							1
144		CITY-14	Court Dr.	Gaston Memorial Dr.	244	2	-	Sig. 144.0							1
<b>TOTAL</b>									<b>121</b>	<b>139</b>	<b>131</b>	<b>140</b>	<b>131</b>	<b>22</b>	<b>144</b>

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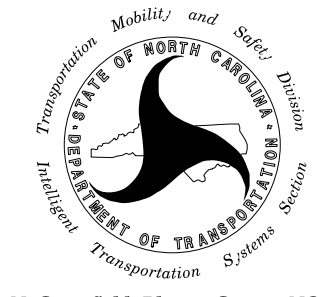
 <p>Plans Prepared For: Department of Transportation Division of Traffic Operations 250 N. Greenfield Place, Garner, NC 27529</p>	<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM</b> <b>SUMMARY OF WORK BY INTERSECTION</b>		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MICHAEL Z. VAN OSDEL 028952
	DIVISION 12 GASTON COUNTY PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH PREPARED BY: S. BUTLER REVIEWED BY: I. VAN OSDELL		

DocuSigned by: *Inger Van Osdel* 3/21/2022  
CADD Filename: \_\_\_\_\_

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Reference								Wireless Communications			
No.	State ID	City ID	Street 1	Street 2	Cable Routing Sheet No.	Comm Group No.	Splice Detail Sheet No.	Signal Plan Sheet No.	74	75	50
									Remove Existing Wireless Radio Equipment	Install New Ethernet Wireless Radio Equipment	Install New Cell Modem and Antenna
101	12-1238		Cox Rd. (SR 2200)	Gaston Mall Dr.	162	3	023	Sig.101.0			
102	12-1282		Cox Rd. (SR 2200)	Aberdeen Blvd.	165	3	025	Sig.102.0			
103	12-1304		Union Rd. (NC 274)	Gaston Day School Rd. (SR 2200)	204	8	076	Sig.103.0			
104	12-1319		Main St. (SR 2329)	I-85 NB ramp (Exit 22)	53	6	048	Sig.104.0			
105	12-1320		Main St. (SR 2329)	I-85 SB Ramp (Exit 22)	54	6	048	Sig.105.0			
106	12-1348		Wilkinson Blvd. (US 29/74)	Westover St.	51	6	049	Sig.106.0			
107	12-1354		New Hope Rd. (NC 279)	Country Club Rd.	176	2	018	Sig.107.0			
108	12-1358		Union Rd. (NC 274)	Osceola St.	62	9	088	Sig.108.0			
109	12-1373		New Hope Rd. (NC 279)	Modena St./ Montrose Dr.	167	2	010	Sig.109.0			
110	12-1378		Hudson Blvd. (SR 1255)	Robinwood Rd. (SR 2457)	98	8	081	Sig.110.0			
111	12-1401		Franklin Blvd. (US 29/74)	Franklin Square Entrance #2	46	6	045	Sig.111.0			
112	12-1410		Hudson Blvd. (SR 1255)	Neal Hawkins Rd. (SR 2400)	92	10	105	Sig.112.0			
113	12-1411		Union Rd. (NC 274)	Hudson Blvd. (SR 1255)	93	10	108	Sig.113.0			
114	12-1454		Franklin Blvd. (US 29/74)	Home Depot Entrance	43	6	043	Sig.114.0			
115	12-1459		Hudson Blvd. (SR 1255)	Bradford Heights Rd.	103	8	083	Sig.115.0			
116	12-1460		Hudson Blvd. (SR 1255)	Hoffman Rd.(SR 2446)/ Redbud Dr. (SR 2329)	104	8	085	Sig.116.0			
117	12-1495		Franklin Blvd. (US 29/74)	Entrances to Hwy Patrol/Dixie Village	8	12	125	Sig.117.0			
118	12-1512		Robinwood Rd. (SR 2457)	Covenant Dr.	72	9	095	Sig.118.0			
119	12-1535		New Hope Rd. (NC 279)	Remount Rd.	173	2	015	Sig.119.0			
120	12-1536		New Hope Rd. (NC 279)	Stroupe Rd.	213	7	057	Sig.120.0	1		
121	12-1541		New Hope Rd. (NC 279)	Cramer Mtn Rd.	219	7	061	Sig.121.0			
122	12-1543		Garrison Blvd. (SR 2466)	Trenton St./ Athenian Dr.	58	11	114	Sig.122.0			
123	12-1562		Franklin Blvd. (US 29/74)	Lineberger Rd.	46	6	045	Sig.123.0			
124	12-1563		Franklin Blvd. (US 29/74)	Church St. (SR 2339)	47	6	046	Sig.124.0			
125	12-1603		Armstrong Park Rd. (SR 2200)	Spirit Dr.	158	3	028	Sig.125.0			
126	12-1604		Gaston Day Sch Rd. (SR 2200)	Hoffman Rd. (SR 2446)	155	8	084	Sig.126.0			
127	12-1605		Hudson Blvd. (SR 1255)	Armstrong Park Rd./ Gaston Day School Rd. (SR 2200)	102	8	083	Sig.127.0			
128	12-1623		Chester St. (US 321)	Radio St.	128	15	154	Sig.128.0			
129	12-1706		Myrtle School Rd. (SR 1136)	Wal-Mart Entrance	10	12	126	Sig.129.0			
130	12-1712		Lowell-Bethesda Rd. (SR 2439)	Westover St. / Gaston Rd. (SR 2481)	52	7	070	Sig.130.0	1		
131	12-1715		Franklin Blvd. (US 29/74)	Sadler Elementary School	1	12	118	Sig.131.0			
132	12-1718		New Hope Rd. (NC 279)	Stowe Rd. (SR 2436)	221	7	063	Sig.132.0			
133	12-1778		Franklin Blvd. (US 29/74)	Gaston Mall Dr.	41	3	022	Sig.133.0			
134	12-1803		Chester St. (US 321)	I-85 SB Exit Ramp/ I-85 NB Entrance Ramp	129	15	155	Sig.134.0			
135	12-1825		Robinwood Rd. (SR 2457)	YMCA/ Robinson Oaks Dr.	208	8	080	Sig.135.0			
136		CITY-01	Lynhaven Dr.	Edgefield Ave.	89	10	103	Sig. 136.0			
137		CITY-02	Spencer Ave.	Miller St.	57	14	140	Sig. 137.0			
138		CITY-06	Main Ave.	Oakland St./ Bus Station Entrance	123	5	041	Sig. 138.0	1	1	
139		CITY-07	Aberdeen Blvd.	Remount Rd.	178	3	019	Sig. 139.0			
140		CITY-09	West Club Cir.	Aberdeen Blvd.	177	3	020	Sig. 140.0			
141		CITY-10	Dr. M.L.K. Jr. Way	Main Ave.	122	5	-	Sig. 141.0	1	1	
142		CITY-11	Court Dr.	Caromont Health Driveway	243	2	-	Sig. 142.0	1	1	
143		CITY-13	Hargrove Ave.	Davidson Ave.	245	-	-	Sig. 143.0			1
144		CITY-14	Court Dr.	Gaston Memorial Dr.	244	2	-	Sig. 144.0	1	1	
<b>TOTAL</b>									<b>10</b>	<b>5</b>	<b>1</b>

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Plans Prepared For:  
 Transportation Mobility and Safety Division  
**STATE OF NORTH CAROLINA**  
 DEPARTMENT OF TRANSPORTATION  
Transportation Systems Section

250 N. Greenfield Place - Garner, NC 27529

**CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM**

**SUMMARY OF WORK BY INTERSECTION**


DIVISION 12 GASTON COUNTY

PLAN DATE: DECEMBER 2021 REVIEWED BY: K. SMITH

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

SCALE: 0

SEAL



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Inger Van Osdell 3/21/2022

CADD Filename: