

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

**LEGEND**

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

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

**CONSTRUCTION NOTE SYMBOLOGY KEY**

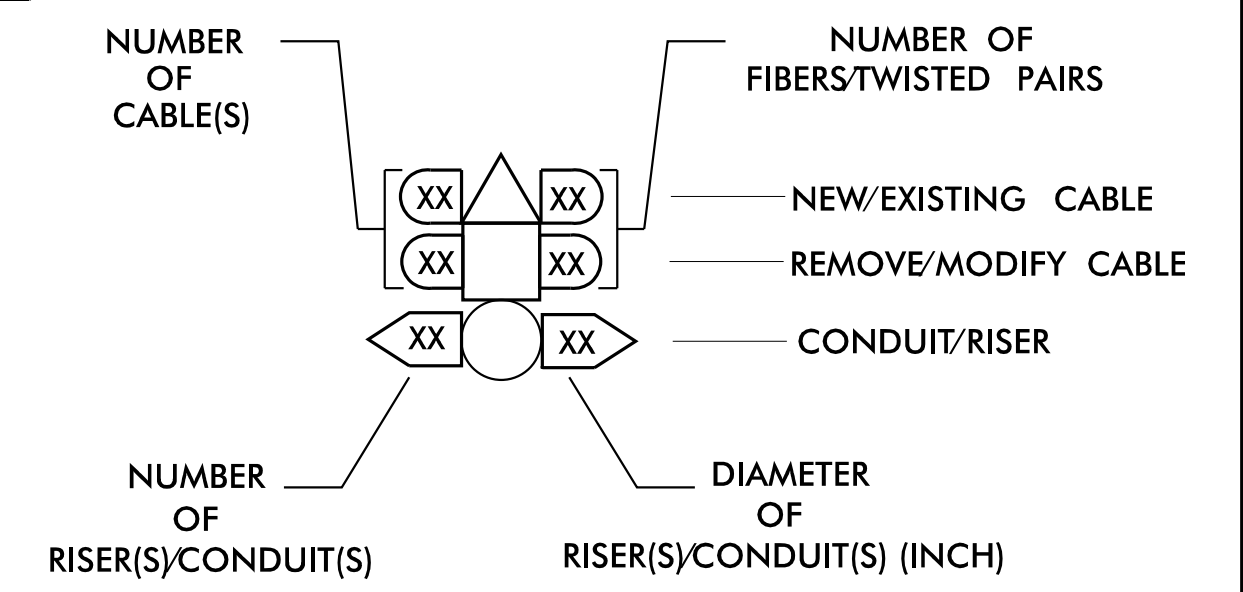
- INDICATES NUMBER OF CABLES, LOOPS, ETC.
- INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
- INDICATES NUMBER OF RISER(S)/CONDUIT(S)
- INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

**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								
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					SEAL 
NO.	DESCRIPTION	INIT.	DATE							

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