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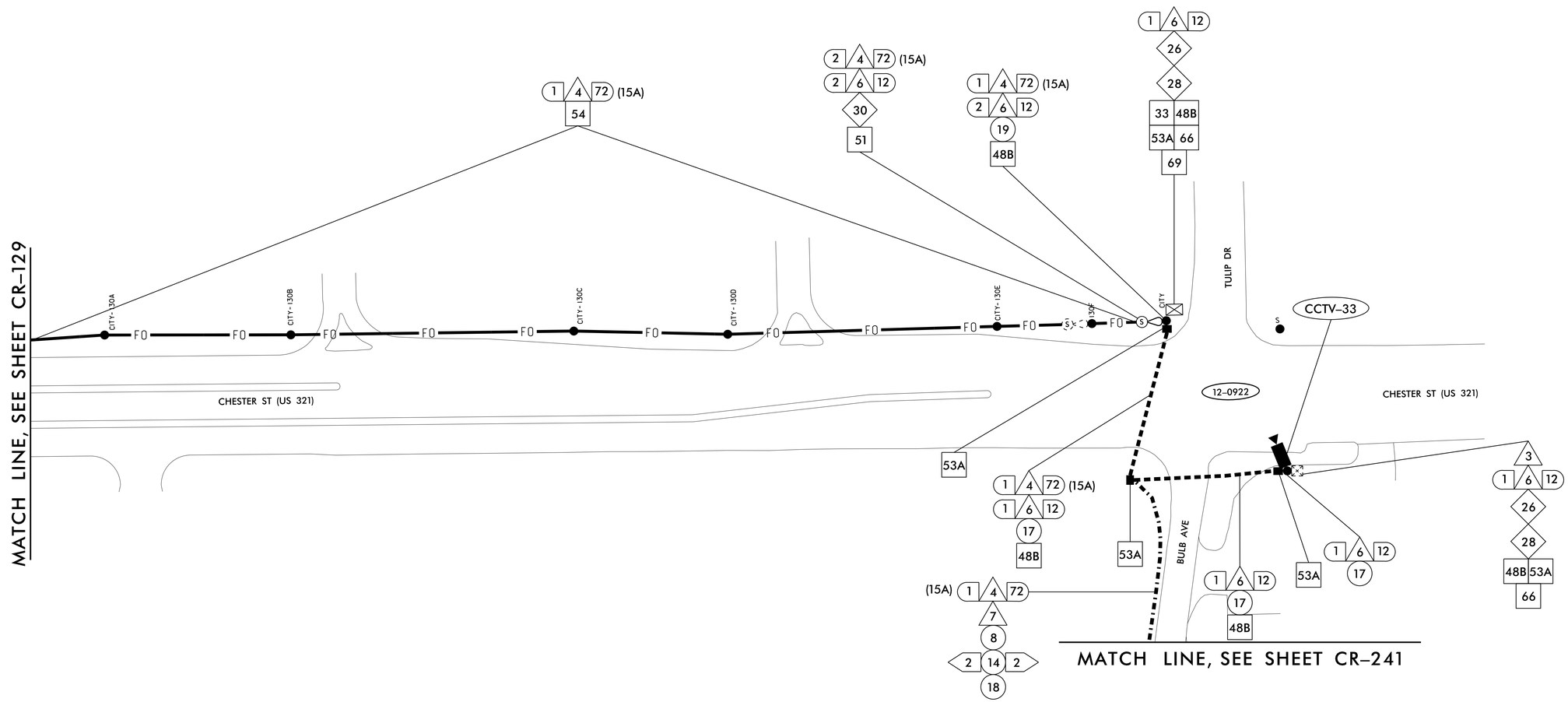
PROJECT REFERENCE NO.	SHEET NO.
C-5703	CR-130



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

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

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Plans Prepared For:
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 50

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

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

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 028952 ENGINEER INGER Z. VanOSDELL

DocuSigned by: Inger VanOsdell
SIGNATURE 3/18/2022 DATE

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