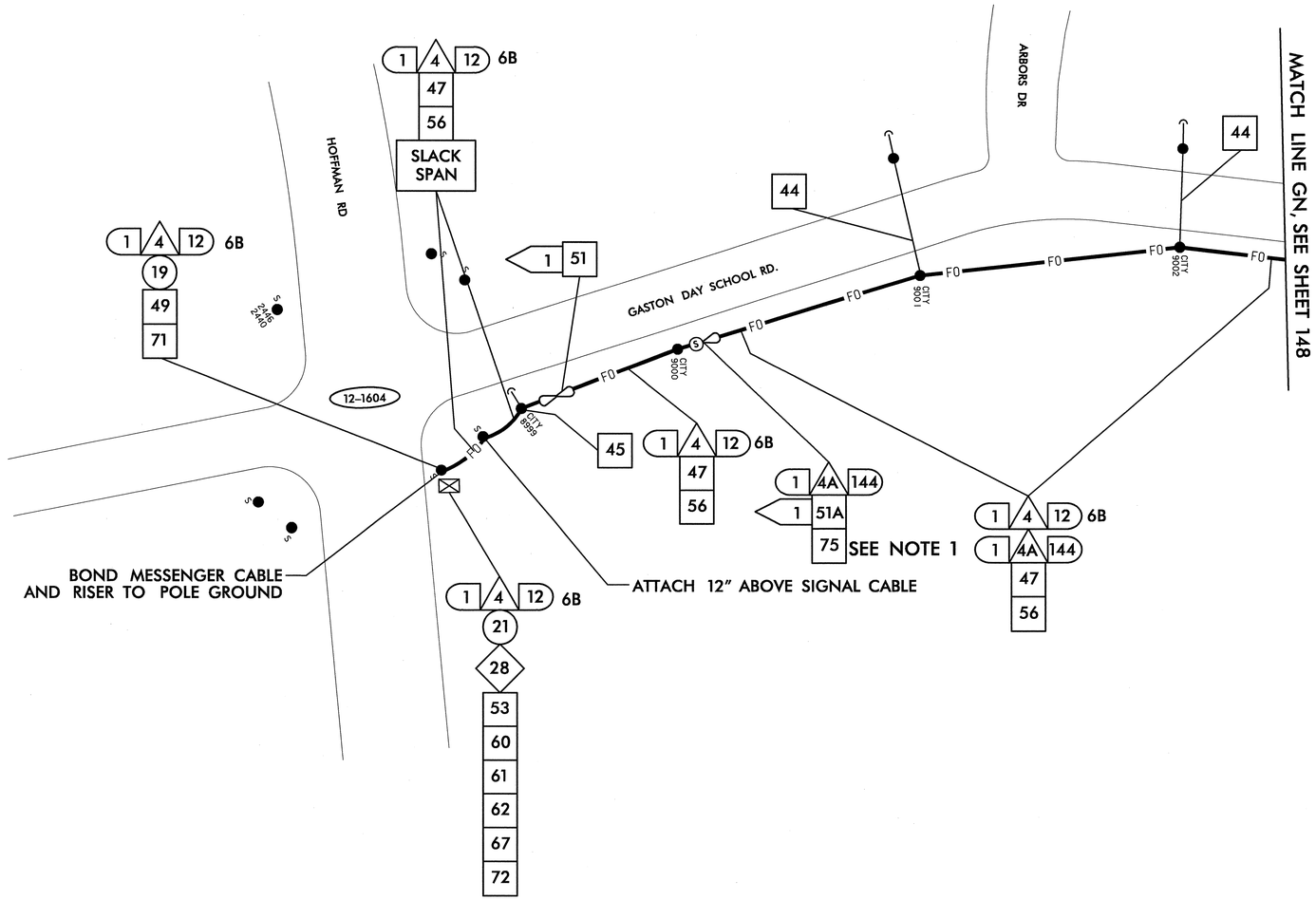
PROJECT REFERENCE NO.	SHEET NO.
U-4736	147



1	INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	34	INSTALL CABINET FOUNDATION	51A	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE
2	INSTALL REA, PE – 38, (FIGURE – 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	35	REMOVE EXISTING CABINET FOUNDATION	52	INSTALL FIBER OPTIC DELINEATOR MARKER
3	INSTALL REA, PE – 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	19	INSTALL CABLE(S) IN EXISTING RISER	36	INSTALL CCTV CAMERA ASSEMBLY	53	STORE 20 FEET OF COMMUNICATIONS CABLE
4	INSTALL SMFO CABLE	20	INSTALL CABLE(S) IN NEW RISER	37	INSTALL CCTV CAMERA WOOD POLE	54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
4A	INSTALL GASTONIA ELECTRIC CABLE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
5	INSTALL MMFO CABLE	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	39	INSTALL JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE
6	INSTALL FIBER OPTIC DROP CABLE	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	40	INSTALL OVERSIZED JUNCTION BOX	57	MODIFY EXISTING ELECTRICAL SERVICE
7	INSTALL TRACER WIRE	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41	REMOVE EXISTING JUNCTION BOX	58	INSTALL NEW ELECTRICAL SERVICE
8	TRENCH	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42	INSTALL WOOD POLE	59	INSTALL VIDEO OPTIC TRANSMITTER WITH DATA
9	INSTALL PVC CONDUIT	26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	43	REMOVE EXISTING WOOD POLE	60	INSTALL FIBER OPTIC TRANSCEIVER
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	44	INSTALL AERIAL GUY ASSEMBLY	61	REMOVE EXISTING CONTROLLER AND CABINET
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	45	INSTALL STANDARD GUY ASSEMBLY	62	INSTALL NEW CONTROLLER
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY	63	INSTALL SPECIAL JUNCTION BOX
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	30	INSTALL AERIAL SPLICE ENCLOSURE	47	INSTALL MESSENGER CABLE	64	INSTALL SYSTEM LOOP
14	INSTALL POLYETHYLENE CONDUIT	31	INSTALL POLE MOUNTED SPLICE CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	65	INSTALL SYSTEM LOOP AMPLIFIER
15	DIRECTIONAL DRILL CONDUIT	32	INSTALL BASE MOUNTED SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE	66	INSTALL SYSTEM LOOP LEAD-IN CABLE
16	BORE AND JACK CONDUIT	33	REMOVE EXISTING SPLICE CABINET	50	INSTALL TELEPHONE SERVICE	67	MODIFY EXISTING CABINET FOUNDATION
				51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF SIGNAL SYSTEM CABLE	68	INSTALL UNI-DIRECTIONAL YAGI ANTENNA
						69	INSTALL OMNI-DIRECTIONAL ANTENNA
						70	INSTALL RADIO TRANSCEIVER
						71	REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING
						72	INSTALL NEW 332 BASE MOUNTED CABINET
						73	INSTALL NEW 336S POLE MOUNTED CABINET
						74	INSTALL TERMINAL SPLICE BOX
						75	INSTALL GASTONIA ELECTRIC AERIAL SPLICE ENCLOSURE
						76	INSTALL GASTONIA ELECTRIC UNDERGROUND SPLICE ENCLOSURE

ALL NCDOT ATTACHMENT POINTS ARE 40" BELOW POWER, FRONT SIDE OF POLE, UNLESS OTHERWISE NOTED.

NOTE:
1. TERMINATE CABLE IN SPLICE ENCLOSURE. CAP AND SEAL ALL FIBERS.

PLANS PREPARED IN THE OFFICE OF:
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Traffic Engineering and Safety Systems Branch
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
122 N. McDowell St., Raleigh, NC 27603

SCALE 0 50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE

CABLE ROUTING PLANS

DIVISION 12 GASTON COUNTY

PLAN DATE:	MAY 26, 2005	REVIEWED BY:	I.Z. VANOSDELL
PREPARED BY:	J.C. CROSS	REVIEWED BY:	M.W. DUNZO

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 023562 ENGINEER MARK DUNZO

SIGNATURE DATE 5/27/05

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05/26/2005
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