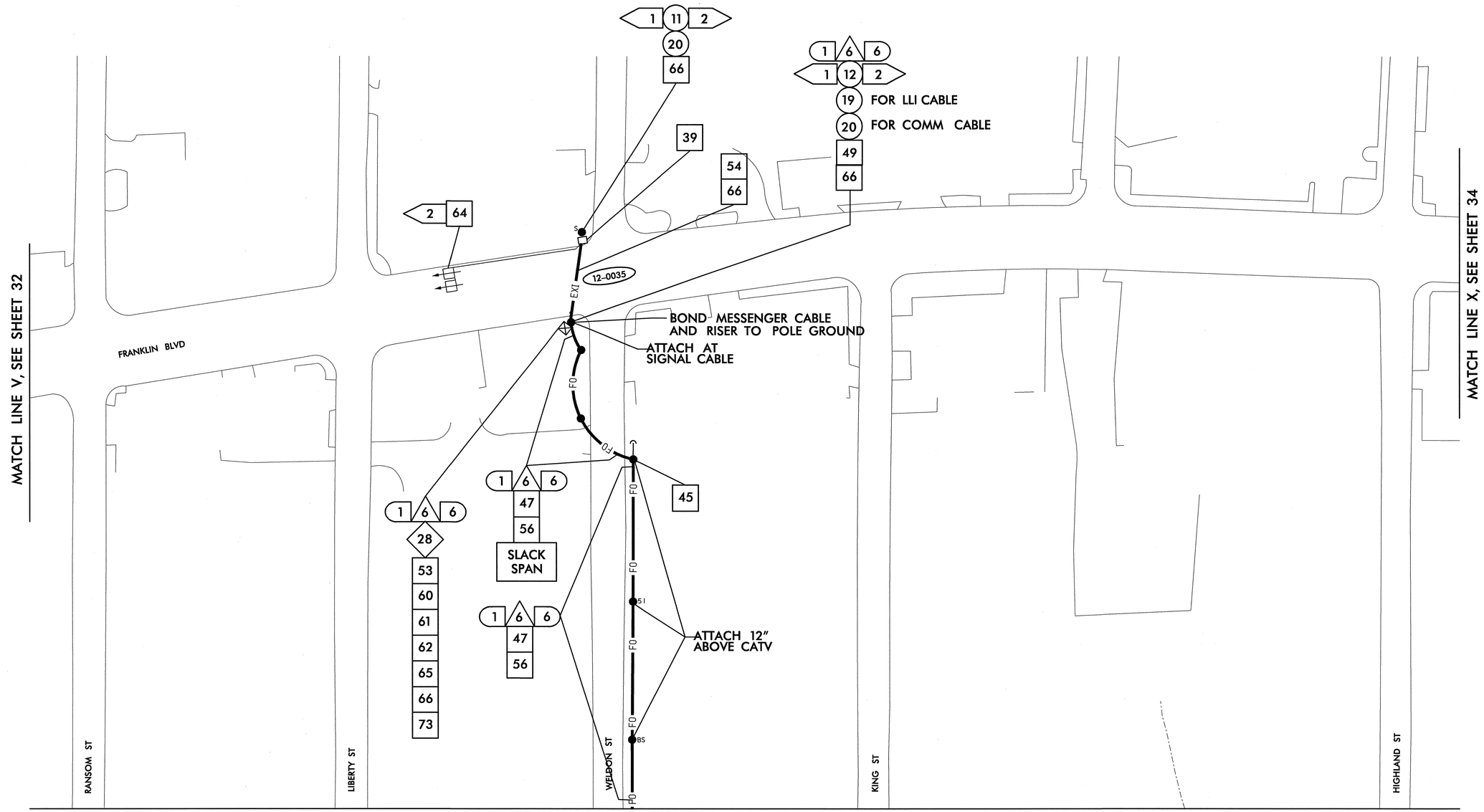
PROJECT REFERENCE NO.	SHEET NO.
U-4736	33



1	INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	34	INSTALL CABINET FOUNDATION
2	INSTALL REA, PE – 38, (FIGURE – 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	35	REMOVE EXISTING CABINET FOUNDATION
3	INSTALL REA, PE – 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	19	INSTALL CABLE(S) IN EXISTING RISER	36	INSTALL CCTV CAMERA ASSEMBLY
4	INSTALL SMFO CABLE	20	INSTALL CABLE(S) IN NEW RISER	37	INSTALL CCTV CAMERA WOOD POLE
4A	INSTALL GASTONIA ELECTRIC CABLE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
5	INSTALL MMFO CABLE	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	39	INSTALL JUNCTION BOX
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
7	INSTALL TRACER WIRE	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41	REMOVE EXISTING JUNCTION BOX
8	TRENCH	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42	INSTALL WOOD POLE
9	INSTALL PVC CONDUIT	26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	43	REMOVE EXISTING WOOD POLE
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	44	INSTALL AERIAL GUY ASSEMBLY
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
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	30	INSTALL AERIAL SPLICE ENCLOSURE	47	INSTALL MESSENGER CABLE
14	INSTALL POLYETHYLENE CONDUIT	31	INSTALL POLE MOUNTED SPLICE CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
15	DIRECTIONAL DRILL CONDUIT	32	INSTALL BASE MOUNTED SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE
16	BORE AND JACK CONDUIT	33	REMOVE EXISTING SPLICE CABINET	50	INSTALL TELEPHONE SERVICE
				51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF SIGNAL SYSTEM CABLE

51A	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE	68	INSTALL UNI-DIRECTIONAL YAGI ANTENNA
52	INSTALL FIBER OPTIC DELINEATOR MARKER	69	INSTALL OMNI-DIRECTIONAL ANTENNA
53	STORE 20 FEET OF COMMUNICATIONS CABLE	70	INSTALL RADIO TRANSCEIVER
54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	71	REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING
55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	72	INSTALL NEW 332 BASE MOUNTED CABINET
56	LASH CABLE(S) TO NEW MESSENGER CABLE	73	INSTALL NEW 336S POLE MOUNTED CABINET
57	MODIFY EXISTING ELECTRICAL SERVICE	74	INSTALL TERMINAL SPLICE BOX
58	INSTALL NEW ELECTRICAL SERVICE	75	INSTALL GASTONIA ELECTRIC AERIAL SPLICE ENCLOSURE
59	INSTALL VIDEO OPTIC TRANSMITTER WITH DATA	76	INSTALL GASTONIA ELECTRIC UNDERGROUND SPLICE ENCLOSURE
60	INSTALL FIBER OPTIC TRANSCEIVER		
61	REMOVE EXISTING CONTROLLER AND CABINET		
62	INSTALL NEW CONTROLLER		
63	INSTALL SPECIAL JUNCTION BOX		
64	INSTALL SYSTEM LOOP		
65	INSTALL SYSTEM LOOP AMPLIFIER		
66	INSTALL SYSTEM LOOP LEAD-IN CABLE		
67	MODIFY EXISTING CABINET FOUNDATION		

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

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
P.O. Box 33068
Raleigh N.C. 27636-3068
(919) 677-2000

122 N. McDowell St., Raleigh, NC 27603

SCALE 0 50

CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE

CABLE ROUTING PLAN

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

CADD Filename: ...\sht033.dgn

05/26/2005
I:\Systems\projects\01I036097(gastonia)\sht033.dgn