



1	INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	34	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE	48	INSTALL UNI-DIRECTIONAL YAGI ANTENNA
2	INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	35	REMOVE EXISTING CABINET FOUNDATION	49	INSTALL OMNI-DIRECTIONAL ANTENNA
3	INSTALL REA, PE - 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	19	INSTALL CABLE(S) IN EXISTING RISER	36	INSTALL CCTV CAMERA ASSEMBLY	50	INSTALL RADIO TRANSCEIVER
4	INSTALL SMFO CABLE	20	INSTALL CABLE(S) IN NEW RISER	37	INSTALL CCTV CAMERA WOOD POLE	51	REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING
5	INSTALL GASTONIA ELECTRIC CABLE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	52	INSTALL NEW 332 BASE MOUNTED CABINET
6	INSTALL MMFO CABLE	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	39	INSTALL JUNCTION BOX	53	INSTALL NEW 3365 POLE MOUNTED CABINET
7	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	54	INSTALL TERMINAL SPICE BOX
8	INSTALL TRACER WIRE	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41	REMOVE EXISTING JUNCTION BOX	55	INSTALL GASTONIA ELECTRIC AERIAL SPICE ENCLOSURE
9	TRENCH	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42	INSTALL WOOD POLE	56	INSTALL GASTONIA ELECTRIC UNDERGROUND SPICE ENCLOSURE
10	INSTALL PVC CONDUIT	26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	43	REMOVE EXISTING WOOD POLE	57	
11	INSTALL RIGID, GALVANIZED STEEL CONDUIT	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	44	INSTALL AERIAL GUY ASSEMBLY	58	
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPICE CABLE IN CABINET	45	INSTALL STANDARD GUY ASSEMBLY	59	
13	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	29	INSTALL UNDERGROUND SPICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY	60	
14	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	30	INSTALL AERIAL SPICE ENCLOSURE	47	INSTALL MESSENGER CABLE	61	
15	INSTALL POLYETHYLENE CONDUIT	31	INSTALL POLE MOUNTED SPICE CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	62	
16	DIRECTIONAL DRILL CONDUIT	32	INSTALL BASE MOUNTED SPICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE	63	
17	BORE AND JACK CONDUIT	33	REMOVE EXISTING SPICE CABINET	50	INSTALL TELEPHONE SERVICE	64	
				51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF SIGNAL SYSTEM CABLE	65	
						66	
						67	
						72	

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.**  
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 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 ENGINEER  
 SEAL 023562  
 MARK DUNZO  
 SIGNATURE DATE 5/27/05  
 CADD Filename: ...sh070.dgn

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