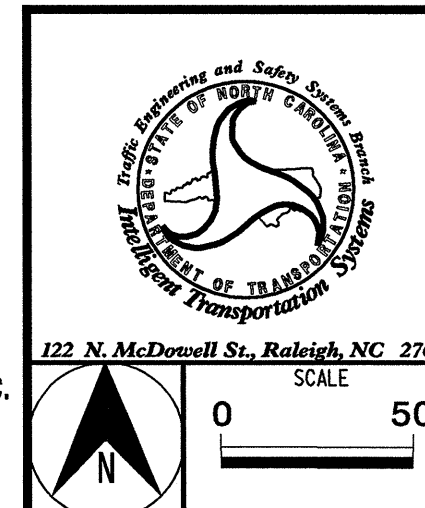


1	INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	34	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE	68	INSTALL UNI-DIRECTIONAL YAGI ANTENNA
2	INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	35	REMOVE EXISTING CABLE STORAGE RACKS	69	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	70	INSTALL RADIO TRANSCEIVER
4	INSTALL SMFO CABLE	20	INSTALL CABLE(S) IN NEW RISER	37	INSTALL CCTV CAMERA WOOD POLE	71	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	72	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	73	INSTALL NEW 336S 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	74	INSTALL TERMINAL SPICE BOX
8	INSTALL TRACER WIRE	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41	REMOVE EXISTING JUNCTION BOX	75	INSTALL GASTONIA ELECTRIC AERIAL SPICE ENCLOSURE
9	TRENCH	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42	INSTALL WOOD POLE	76	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		
11	INSTALL RIGID, GALVANIZED STEEL CONDUIT	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	44	INSTALL AERIAL GUY ASSEMBLY		
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		
13	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	29	INSTALL UNDERGROUND SPICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		
14	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	30	INSTALL AERIAL SPICE ENCLOSURE	47	INSTALL MESSENGER CABLE		
15	INSTALL POLYETHYLENE CONDUIT	31	INSTALL POLE MOUNTED SPICE CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		
16	DIRECTIONAL DRILL CONDUIT	32	INSTALL BASE MOUNTED SPICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE		
17	BORE AND JACK CONDUIT	33	REMOVE EXISTING SPICE CABINET	50	INSTALL TELEPHONE SERVICE		
				51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF SIGNAL SYSTEM CABLE		
				52	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE		
				53	INSTALL FIBER OPTIC DELINEATOR MARKER		
				54	STORE 20 FEET OF COMMUNICATIONS CABLE		
				55	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE		
				56	LASH CABLE(S) TO EXISTING MESSENGER CABLE		
				57	LASH CABLE(S) TO NEW MESSENGER CABLE		
				58	MODIFY EXISTING ELECTRICAL SERVICE		
				59	INSTALL NEW ELECTRICAL SERVICE		
				60	INSTALL VIDEO OPTIC TRANSMITTER WITH DATA		
				61	INSTALL FIBER OPTIC TRANSCIEVER		
				62	REMOVE EXISTING CONTROLLER AND CABINET		
				63	INSTALL NEW CONTROLLER		
				64	INSTALL SPECIAL JUNCTION BOX		
				65	INSTALL SYSTEM LOOP		
				66	INSTALL SYSTEM LOOP AMPLIFIER		
				67	INSTALL SYSTEM LOOP LEAD-IN CABLE		
					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



<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE ROUTING PLAN</b>	
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	INT. DATE

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023562  
 MARK DUNZO  
 SIGNATURE DATE 5/27/05  
 CADD Filename: ...sht030.dgn

05/26/2005 I:\systems\pro\lects\01036097(gastonia)\sh030.dgn