



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 (SNOW SHOES) AND STORE 500 FEET OF GASTONIA ELECTRIC CABLE	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 FIBER OPTIC DELINEATOR MARKER	70	INSTALL RADIO TRANSCIVER
4	INSTALL SMFO CABLE	20	INSTALL CABLE(S) IN NEW RISER	37	STORE 20 FEET OF COMMUNICATIONS CABLE	71	REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING
5	INSTALL GASTONIA ELECTRIC CABLE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	38	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	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	LASH CABLE(S) TO EXISTING MESSENGER CABLE	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	MODIFY EXISTING ELECTRICAL SERVICE	74	INSTALL TERMINAL SPICE BOX
8	INSTALL TRACER WIRE	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41	INSTALL NEW ELECTRICAL SERVICE	75	INSTALL GASTONIA ELECTRIC AERIAL SPICE ENCLOSURE
9	TRENCH	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42	INSTALL VIDEO OPTIC TRANSMITTER WITH DATA	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	INSTALL FIBER OPTIC TRANSCIVER		
11	INSTALL RIGID, GALVANIZED STEEL CONDUIT	27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	44	REMOVE EXISTING CONTROLLER AND CABINET		
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPICE CABLE IN CABINET	45	INSTALL NEW CONTROLLER		
13	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	29	INSTALL UNDERGROUND SPICE ENCLOSURE	46	INSTALL SPECIAL JUNCTION BOX		
14	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	30	INSTALL AERIAL SPICE ENCLOSURE	47	INSTALL SYSTEM LOOP		
15	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	31	INSTALL POLE MOUNTED SPICE CABINET	48	INSTALL SYSTEM LOOP AMPLIFIER		
16	INSTALL POLYETHYLENE CONDUIT	32	INSTALL BASE MOUNTED SPICE CABINET	49	INSTALL SYSTEM LOOP LEAD-IN CABLE		
17	DIRECTIONAL DRILL CONDUIT	33	REMOVE EXISTING SPICE CABINET	50	MODIFY EXISTING CABINET FOUNDATION		
18	BORE AND JACK CONDUIT			51			

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

PLANS PREPARED IN THE OFFICE OF:  
  
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 SCALE 0 50

<b>CITY OF GASTONIA COMPUTERIZED SIGNAL SYSTEM UPGRADE CABLE ROUTING PLANS</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	INIT. DATE

SEAL  
  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023562  
 MARK DUNZO  
 DATE 5/27/05  
 CADD Filename: ...shf154.dgn

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