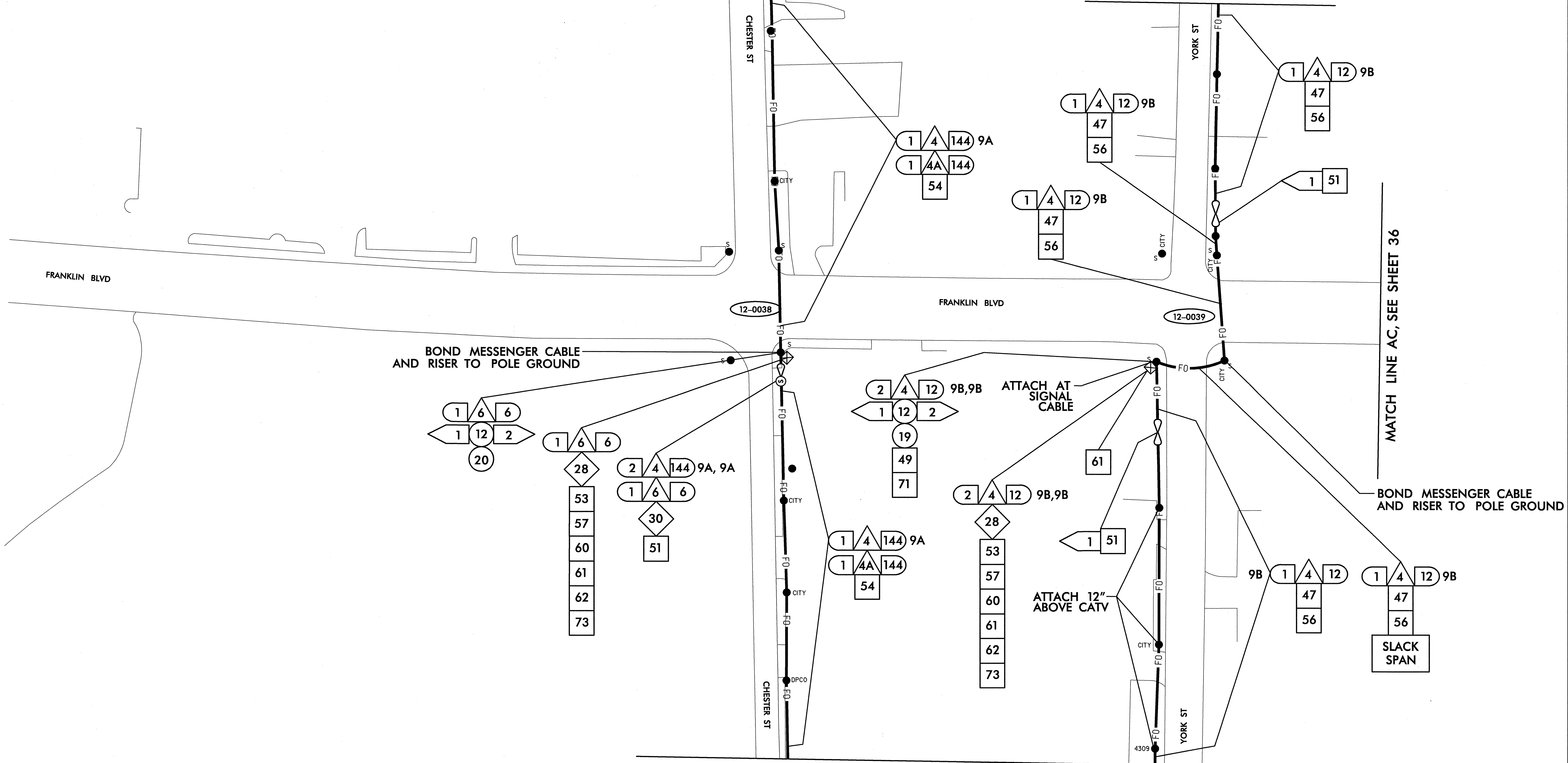


MATCH LINE EQ, SEE SHEET 116

MATCH LINE ER, SEE SHEET 116



BOND MESSENGER CABLE AND RISER TO POLE GROUND

ATTACH AT SIGNAL CABLE

ATTACH 12" ABOVE CATV

BOND MESSENGER CABLE AND RISER TO POLE GROUND

MATCH LINE AC, SEE SHEET 36

MATCH LINE AA, SEE SHEET 25

05/26/2005 T:\systems\proj\techs\011036037\gastonia\ash035.dgn

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 CABINET FOUNDATION	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 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	74. INSTALL TERMINAL SPLICE BOX
8. INSTALL TRACER WIRE	24. INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	41. REMOVE EXISTING JUNCTION BOX	75. INSTALL GASTONIA ELECTRIC AERIAL SPLICE ENCLOSURE
9. TRENCH	25. INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	42. INSTALL WOOD POLE	76. INSTALL GASTONIA ELECTRIC UNDERGROUND SPLICE 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 SPLICE CABLE IN CABINET	45. INSTALL STANDARD GUY ASSEMBLY	
13. INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	29. INSTALL UNDERGROUND SPLICE ENCLOSURE	46. INSTALL SIDEWALK GUY ASSEMBLY	
14. INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	30. INSTALL AERIAL SPLICE ENCLOSURE	47. INSTALL MESSENGER CABLE	
15. INSTALL POLYETHYLENE CONDUIT	31. INSTALL POLE MOUNTED SPLICE CABINET	48. REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	
16. DIRECTIONAL DRILL CONDUIT	32. INSTALL BASE MOUNTED SPLICE CABINET	49. REMOVE EXISTING COMMUNICATIONS CABLE	
17. 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	
		52. INSTALL FIBER OPTIC DELINEATOR MARKER	
		53. STORE 20 FEET OF COMMUNICATIONS CABLE	
		54. LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	
		55. LASH CABLE(S) TO EXISTING MESSENGER CABLE	
		56. LASH CABLE(S) TO NEW MESSENGER CABLE	
		57. MODIFY EXISTING ELECTRICAL SERVICE	
		58. INSTALL NEW ELECTRICAL SERVICE	
		59. INSTALL VIDEO OPTIC TRANSMITTER WITH DATA	
		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

CITY OF GASTONIA  
 DEPARTMENT OF TRANSPORTATION SYSTEMS

**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

SCALE 0 50

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023562  
 MARK DUNZO

SIGNATURE DATE  
 5/27/05

CADD Filename: ...\sh1035.dgn