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

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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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

 SEAL 023562
 ENGINEER MARK DUNZO
 SIGNATURE DATE 5/27/05
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