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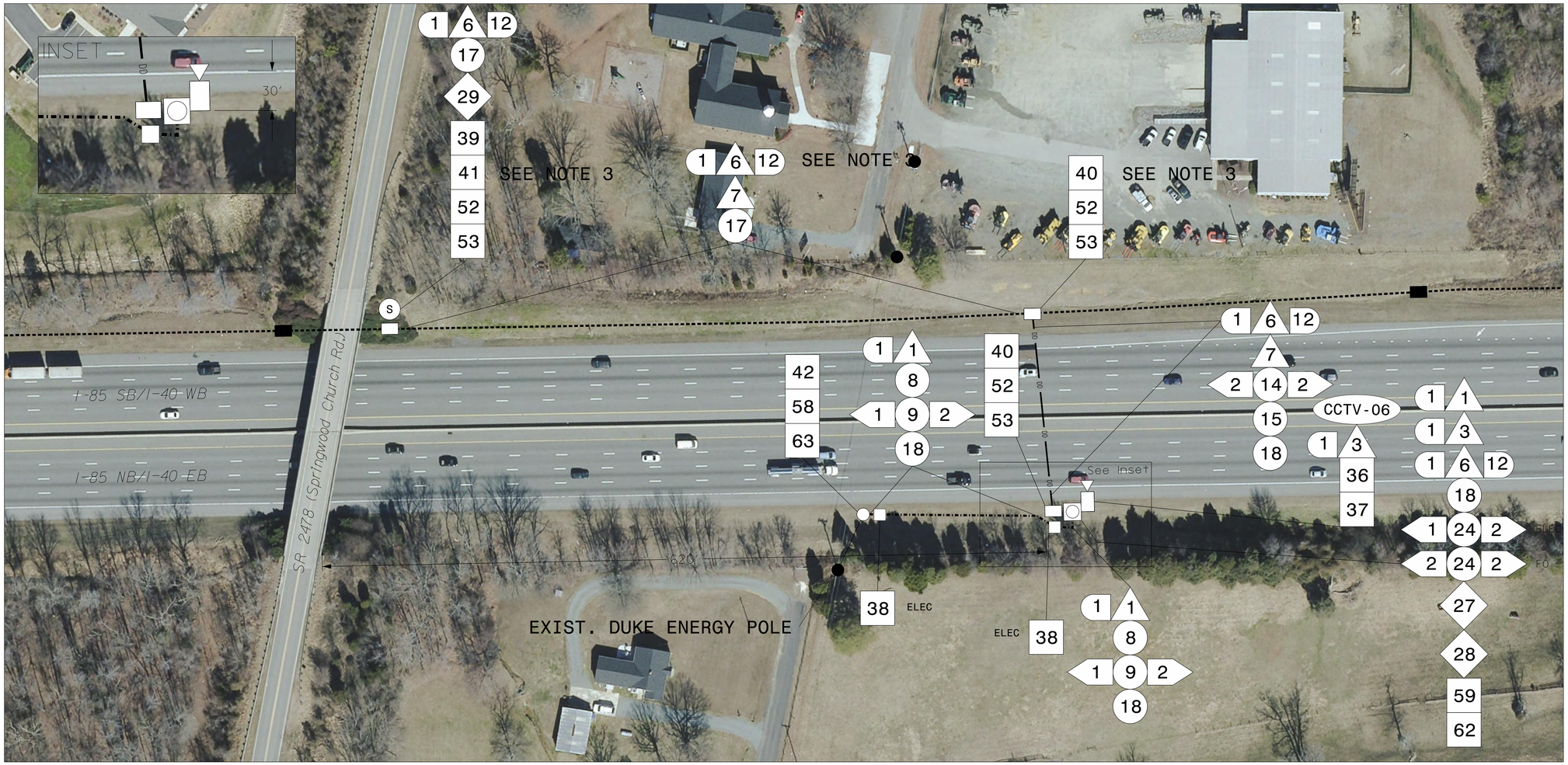
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| C-5600D | ITS-24 |




NOTES:
1. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX /CABINET ENTRANCES.
2. MULTIPLE RUNS OF CONDUIT SHALL SHARE SAME DIRECTIONAL BORE AND TERMINATE IN SEPARATE JUNCTION BOXES.
3. IDENTIFY AN EXISTING EMPTY CONDUIT, CUT CONDUIT, INSTALL DROP CABLE AND SEAL CONDUIT ENDS.

1. INSTALL 3 WIRE FEEDER CONDUCTORS
2. INSTALL 4 WIRE FEEDER CONDUCTORS
3. INSTALL CATEGORY 5E CABLE
4. INSTALL SMFO CABLE
5. INSTALL COAXIAL CABLE
6. INSTALL FIBER-OPTIC DROP CABLE ASSEMBLY
7. INSTALL TRACER WIRE
8. INSTALL CONDUIT UNDERGROUND
9. INSTALL PVC CONDUIT
10. INSTALL RIGID, GALVANIZED STEEL CONDUIT
11. INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
12. INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING
13. INSTALL HEAT SHRINK TUBING RETROFIT KIT
14. INSTALL HIGH DENSITY POLYETHYLENE CONDUIT
15. DIRECTIONAL DRILL CONDUIT
16. BORE AND JACK CONDUIT
17. INSTALL CABLE(S) IN EXISTING CONDUIT
18. INSTALL CABLE(S) IN NEW CONDUIT
19. INSTALL CABLE(S) IN EXISTING RISER(S)
20. INSTALL CABLE(S) IN NEW RISER(S)
21. INSTALL CABLE(S) IN EXISTING CABINET ENTRANCE
22. INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CONDUIT STUBOUTS WHEN AVAILABLE)
23. INSTALL NEW RISER INTO CABINET BASE (USE EX CONDUIT STUBOUTS WHEN AVAILABLE)
24. INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET
25. INSTALL NEW RISER INTO POLE MOUNTED CABINET
26. INSTALL DIGITAL VIDEO ENCODER
27. INSTALL ETHERNET EDGE SWITCH IN CABINET
28. INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET
29. INSTALL UNDERGROUND SPLICE ENCLOSURE
30. INSTALL AERIAL SPLICE ENCLOSURE
31. MODIFY EXISTING SPLICE
32. NOT USED
33. REMOVE EXISTING SPLICE CABINET
34. INSTALL CABINET FOUNDATION
35. INSTALL BASE-MOUNTED EQUIPMENT CABINET
36. INSTALL CCTV CAMERA ASSEMBLY
37. INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
38. INSTALL STANDARD SIZE JUNCTION BOX
39. INSTALL SPECIAL-SIZED JUNCTION BOX
40. INSTALL OVERSIZED JUNCTION BOX
41. REMOVE EXISTING JUNCTION BOX
42. INSTALL WOOD POLE
43. REMOVE EXISTING WOOD POLE
44. INSTALL AERIAL GUY ASSEMBLY
45. INSTALL DOWN GUY ASSEMBLY
46. INSTALL SIDEWALK GUY ASSEMBLY
47. INSTALL MESSENGER CABLE
48. REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
49. REMOVE EXISTING COMMUNICATIONS CABLE
50. INSTALL CELLULAR MODEM AND ANTENNA
51. INSTALL CABLE STORAGE RACK(S) [SNOW SHOE(S)] AND STORE 100 FEET OF CABLE
52. INSTALL DELINEATOR MARKER
53. STORE 50 FEET OF COMMUNICATIONS CABLE (EACH 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
57. MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV
58. INSTALL NEW ELECTRICAL SERVICE FOR CCTV /DMS
59. INSTALL NEW POLE MOUNTED CCTV OR DMS CABINET
60. MOUNT CCTV CAMERA ASSEMBLY TO DMS STRUCTURE WITH EXTENSION POLE
61. INSTALL METER BASE /DISCONNECT COMBINATION PANEL AND WOOD PEDESTAL
62. INSTALL DISCONNECT ON CCTV POLE OR DMS STRUCTURE
63. INSTALL SERVICE POLE
64. INSTALL PEDESTAL TYPE SIGN STRUCTURE, FOUNDATION, AND DMS ASSEMBLY WITH CAMERA POLE EXTENSION
65. BOND MESSENGER TO POLE GROUND
66. INSTALL CELLULAR MODEM
67. REPLACE EXISTING DISCONNECT

*ATTACHMENT POINT:*

XXX / YYY — DISTANCE ABOVE (IN) / REFERENCE POINT

YYY / XXX — REFERENCE POINT / DISTANCE BELOW (IN)

*CONSTRUCTION NOTE SYMBOLOGY KEY*

NUMBER OF CABLE(S) /LOOPS, DETECTOR AMPLIFIERS, GUYS — NUMBER OF FIBERS/TWISTED PAIRS — NUMBER OF RISER(S)/ CONDUIT(S) — DIAMETER OF RISER(S)/ CONDUIT(S) (IN)

ATKINS
5200 SEVENTY SEVEN CENTER DR, SUITE 500
CHARLOTTE, NORTH CAROLINA 28217
(704) 665-4411 NCBEES #F-0326

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

*Prepared for the Offices of:*

NC Transportation
750 N. Greenfield Pkwy., Garner, NC 27529

# Cable Routing Plan (6 of 6)

Division 7 Guilford/Alamance Counties

| | | | |
|---|---|---|---|
| PLAN DATE: | September 2016 | REVIEWED BY: | J T Brooks |
| PREPARED BY: | G B Spell | REVIEWED BY: | H A Badgett |

SCALE 1"=50' (0 — 50)

| REVISIONS | INIT. | DATE |
|---|---|---|
| | | |

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019962 HENRY ALFRED BADGETT

Docusigned by: Henry Alfred Badgett 10/13/2016
SIGNATURE DATE

CADD Filename: 270_001_C-5600D_ITS 24.dgn

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