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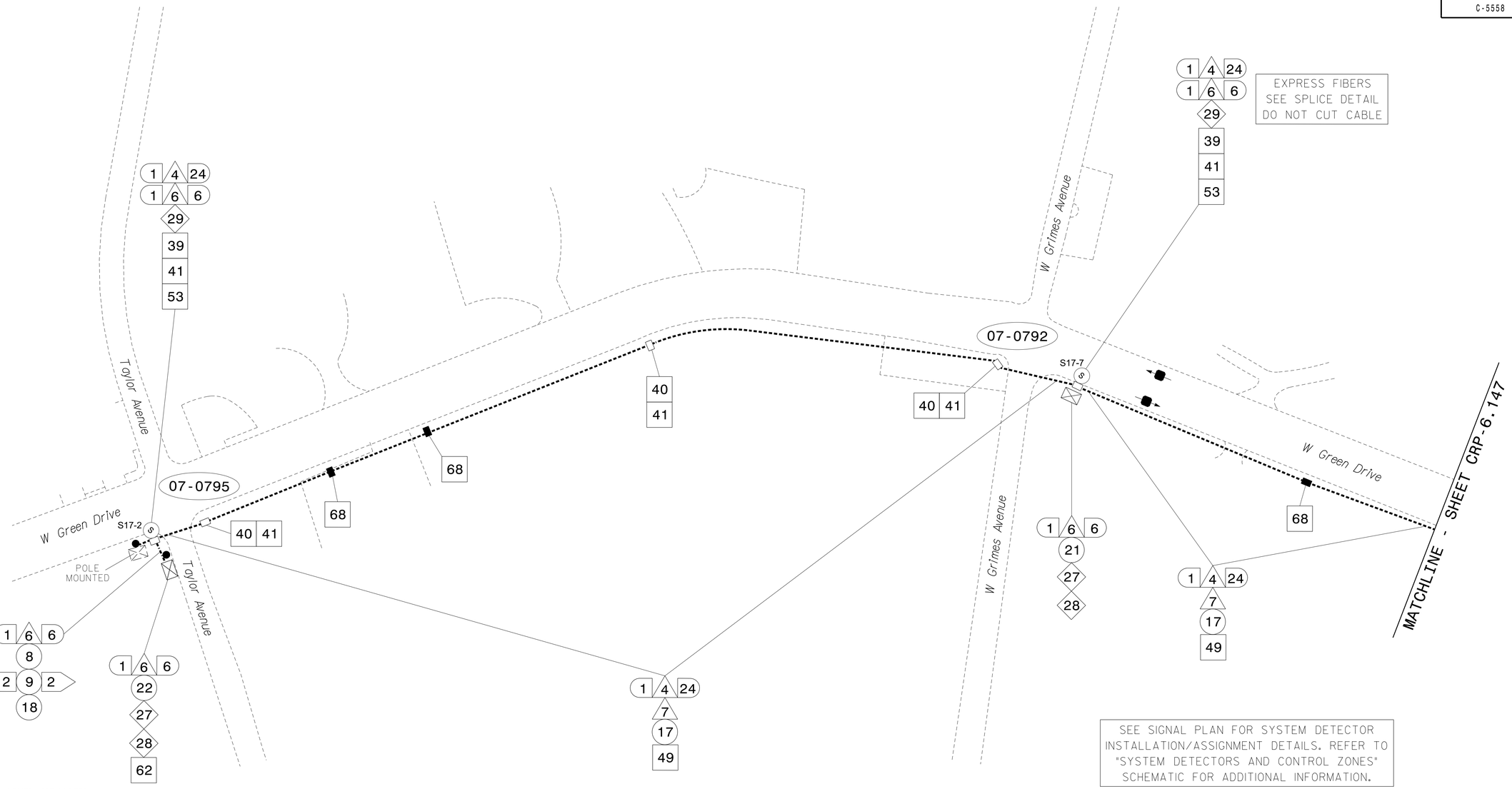
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| C-5558 | CRP-6.148 |




SEE SIGNAL PLAN FOR SYSTEM DETECTOR INSTALLATION/ASSIGNMENT DETAILS. REFER TO "SYSTEM DETECTORS AND CONTROL ZONES" SCHEMATIC FOR ADDITIONAL INFORMATION.

NOTES:

1. UNLESS OTHERWISE NOTED:
   - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
   - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
   - ATTACH ON FRONT SIDE (FS) OF POLE.
2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 INSTALL COMPOSITE CCTV CABLE | 13 INSTALL HEAT SHRINK TUBING RETROFIT KIT | 25 INSTALL NEW RISER INTO POLE MOUNTED CABINET | 37 INSTALL CCTV WOOD POLE | 49 REMOVE EXISTING COMMUNICATIONS CABLE | 61 REMOVE EXISTING CCTV CAMERA ASSEMBLY |
| 2 INSTALL LOW VOLTAGE POWER CABLE (24VAC) | 14 INSTALL HIGH DENSITY POLYETHYLENE CONDUIT | 26 INSTALL DIGITAL VIDEO ENCODER | 38 INSTALL STANDARD SIZE JUNCTION BOX | 50 INSTALL WIRELESS DSL | 62 NEW CABINET ENTRANCE INTO NEW FOUNDATION |
| 3 INSTALL CATEGORY 5E CABLE | 15 DIRECTIONAL DRILL CONDUIT | 27 INSTALL NEW ETHERNET EDGE SWITCH IN CABINET | 39 INSTALL SPECIAL-SIZED JUNCTION BOX | 51 INSTALL CABLE STORAGE GUIDE(S) [SNOW SHOE(S)] AND STORE 100 FEET OF EACH CABLE | 63 DRILL /CORE DRILL EXISTING FOUNDATION |
| 4 INSTALL SMFO CABLE | 16 BORE AND JACK CONDUIT | 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET | 40 INSTALL OVER-SIZED JUNCTION BOX | 52 INSTALL DELINEATOR MARKER | 64 INTERCEPT AND REROUTE EXISTING CONDUITS |
| 5 NOT USED | 17 INSTALL CABLE(S) IN EXISTING CONDUIT | 29 INSTALL UNDERGROUND SPLICE ENCLOSURE | 41 REMOVE EXISTING JUNCTION BOX | 53 STORE 50 FEET OF COMMUNICATIONS CABLE (EACH CABLE) | 65 BOND MESSENGER TO POLE GROUND |
| 6 INSTALL FIBER-OPTIC DROP CABLE | 18 INSTALL CABLE(S) IN NEW CONDUIT | 30 INSTALL AERIAL SPLICE ENCLOSURE | 42 INSTALL WOOD POLE | 54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE | 66 BOND RISER TO POLE GROUND |
| 7 INSTALL TRACER WIRE | 19 INSTALL CABLE(S) IN EXISTING RISER(S) | 31 INSTALL SPLICE CABINET | 43 REMOVE EXISTING WOOD POLE | 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE | 67 BOND TRACER WIRE TO EQUIPMENT GROUND BUS |
| 8 INSTALL CONDUIT UNDERGROUND | 20 INSTALL CABLE(S) IN NEW RISER(S) | 32 MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER | 44 INSTALL AERIAL GUY ASSEMBLY | 56 LASH CABLE(S) TO NEW MESSENGER CABLE | 68 INSTALL NEW COVER ON OVER-SIZED JUNCTION BOX |
| 9 INSTALL PVC CONDUIT | 21 INSTALL CABLE(S) IN EXISTING CABINET ENTRANCE | 33 REMOVE EXISTING SPLICE /HUB /CCTV CABINET | 45 INSTALL STANDARD GUY ASSEMBLY | 57 MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV | 69 INSTALL NEW BASE MOUNTED CCTV CABINET (336-A) |
| 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT | 22 INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE) | 34 INSTALL CABINET FOUNDATION | 46 INSTALL SIDEWALK GUY ASSEMBLY | 58 INSTALL NEW ELECTRICAL SERVICE FOR CCTV | 70 INSTALL NEW POLE MOUNTED CCTV CABINET (NEMA TYPE 4) |
| 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD | 23 INSTALL NEW RISER INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE) | 35 REMOVE EXISTING CABINET FOUNDATION | 47 INSTALL MESSENGER CABLE | 59 INSTALL NEW POLE MOUNTED CCTV CABINET (336) | 71 HANDLASH AND INSTALL AERIAL CABLE PROTECTOR |
| 12 INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING | 24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET | 36 INSTALL CCTV CAMERA ASSEMBLY | 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE | 60 INSTALL NEW BUILDING MOUNTED CCTV CABINET (336) | |

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
1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 Greenfield Parkway, Garner, NC 27529

# High Point Signal System

## Cable Routing Plans

Division 7 Guilford County High Point

| | | | |
|---|---|---|---|
| PLAN DATE: | June 2015 | REVIEWED BY: | MB Toth |
| PREPARED BY: | NM Chapman | REVIEWED BY: | LM Moon |

SCALE 0 50 1"=50'

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 025892 ENGINEER MELISSA B. TOTH

DocuSigned by: Melissa B. Toth 6/5/2015
DATE

CADD Filename: CL-148.dgn

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