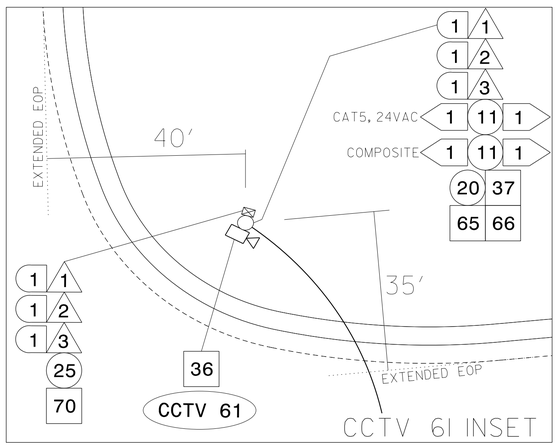
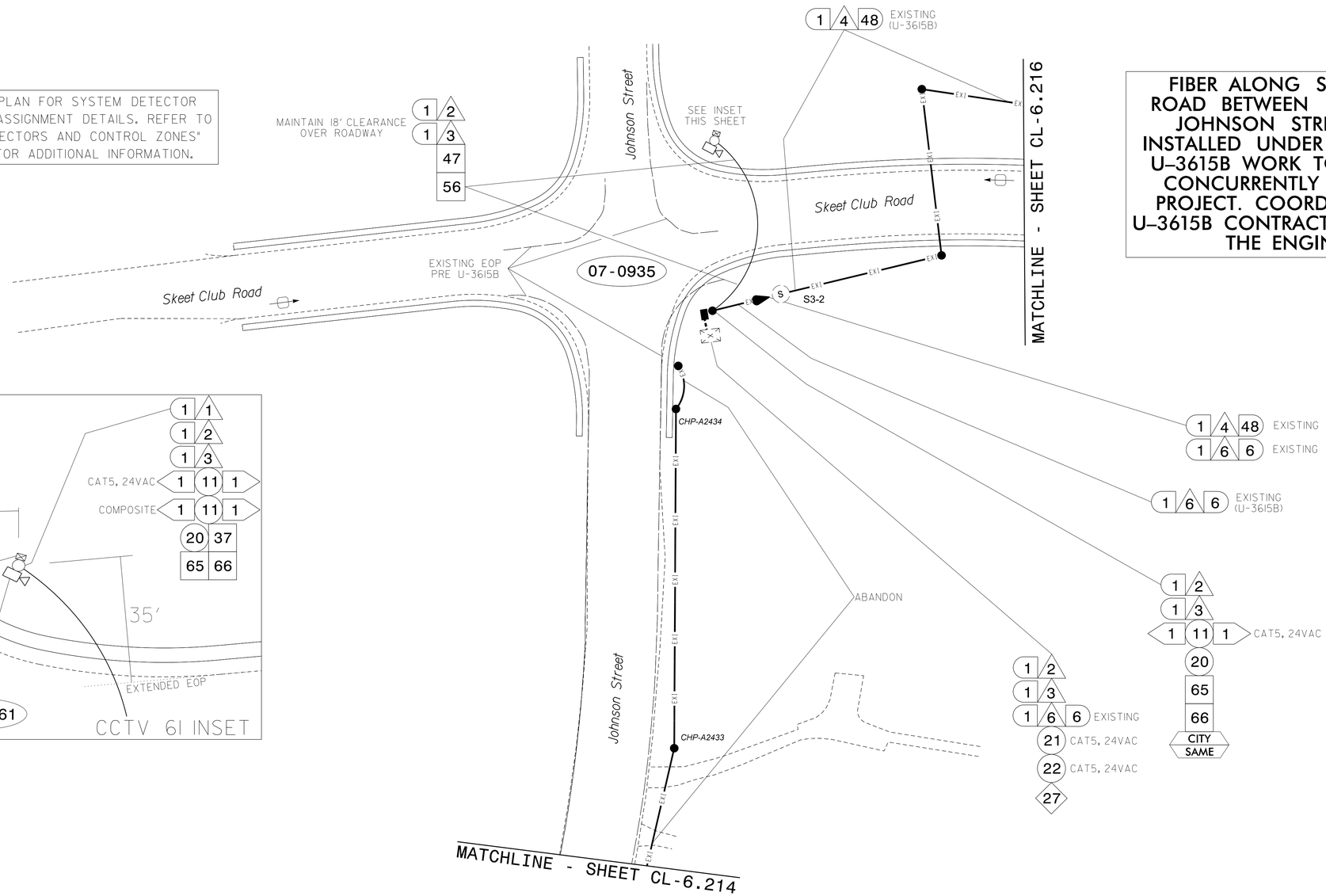
DocuSign Envelope ID: 20308709-6F6E-46C1-9D86-B65A537CCB9D

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| C-5558 | CRP-6.215 |

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

FIBER ALONG SKEET CLUB ROAD BETWEEN NC 68 AND JOHNSON STREET BEING INSTALLED UNDER TIP U-3615B. U-3615B WORK TO BE DONE CONCURRENTLY WITH THIS PROJECT. COORDINATE WITH U-3615B CONTRACTOR THROUGH THE ENGINEER.




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 |
| 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 |
| 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 |
| 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 |
| 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) |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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) |
| 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) |
| | | | | | | | | 61 | REMOVE EXISTING CCTV CAMERA ASSEMBLY |
| | | | | | | | | 62 | NEW CABINET ENTRANCE INTO NEW FOUNDATION |
| | | | | | | | | 63 | DRILL /CORE DRILL EXISTING FOUNDATION |
| | | | | | | | | 64 | INTERCEPT AND REROUTE EXISTING CONDUITS |
| | | | | | | | | 65 | BOND MESSENGER TO POLE GROUND |
| | | | | | | | | 66 | BOND RISER TO POLE GROUND |
| | | | | | | | | 67 | BOND TRACER WIRE TO EQUIPMENT GROUND BUS |
| | | | | | | | | 68 | INSTALL NEW COVER ON OVER-SIZED JUNCTION BOX |
| | | | | | | | | 69 | INSTALL NEW BASE MOUNTED CCTV CABINET (336-A) |
| | | | | | | | | 70 | INSTALL NEW POLE MOUNTED CCTV CABINET (NEMA TYPE 4) |
| | | | | | | | | 71 | HANDLASH AND INSTALL AERIAL CABLE PROTECTOR |

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, Intelligent Transportation Systems Section, STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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: | SR | REVIEWED BY: | LW Moon |

REVISIONS | INIT. | DATE

SCALE 0 50 1"=50'

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 025892 ENGINEER MELISSA B. TOTH

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

CADD Filename: CL-215.dgn

05-JUN-2015 10:56
R:\Transportation\Common\Traffic\Curr\100037777 - High Point Sig Sys\CL\CL-215.dgn
WILCE2\ AT DGS290140