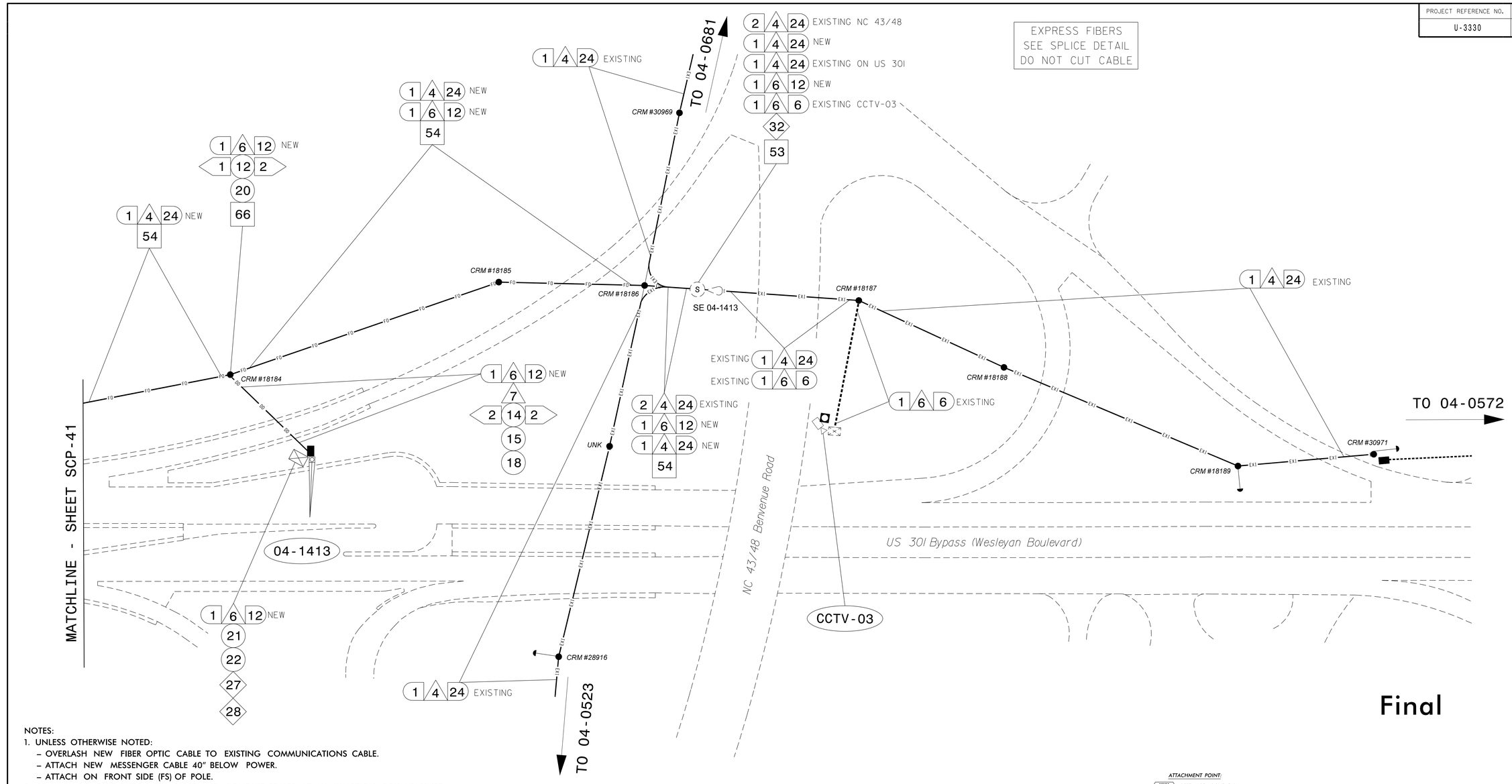
DocuSign Envelope ID: E1E6463B-A910-4A93-8423-BD7EFB0695AE

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-3330 | SCP-42 |




Final

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.
3. EXISTING (ON–CALL) DENOTES FO CABLE INSTALLED BY DIVISION 4 ON–CALL CONTRACTOR PRIOR TO CONSTRUCTION.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 (60') | 49 REMOVE EXISTING COMMUNICATIONS CABLE | 61 REMOVE EXISTING CCTV CAMERA ASSEMBLY |
| 2 INSTALL 3 WIRE FEEDER CONDUCTORS | 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 BACK–PULL EXIST SMFO CABLE | 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 (50') | 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 TRENCH CONDUIT | 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 BOND TRACER WIRE TO POLE GROUND |
| 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 MANAGED ETHERNET SWITCH |
| 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 CCTV METAL POLE & FOUNDATION |
| 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 INSTALL DISCONNECT ON CCTV POLE |
| 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 REMOVE EXISTING METAL CCTV POLE AND FOUNDATION | |

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

# US 301 Widening

## Cable Routing Plans

Division 4 Nash County Rocky Mount

PLAN DATE: January 2017 REVIEWED BY: JT Brooks

PREPARED BY: JA Wiles REVIEWED BY:

SCALE 0 50 1"=50'

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 017586 ENGINEER J. TODD BROOKS

Docusigned by: 1/30/2017 DATE

CADD Filename: SCP-42.dgn

30-JAN-2017 15:28
D:\Transportation\Traffic\Curr\100052135_U-3330_Signals\04_CR\SCP-42.dgn
WILLE2094 A1 D05300019