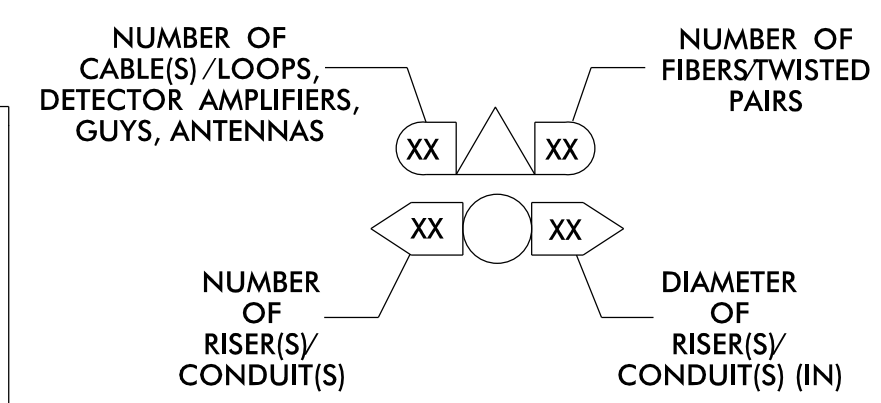


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 XXX
 YYY DISTANCE ABOVE (IN)
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 DISTANCE BELOW (IN)
CONSTRUCTION NOTE SYMBOLOLOGY KEY



ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
 RALEIGH, NORTH CAROLINA 27609
 (919) 876-6888 NCBEES #F-0326

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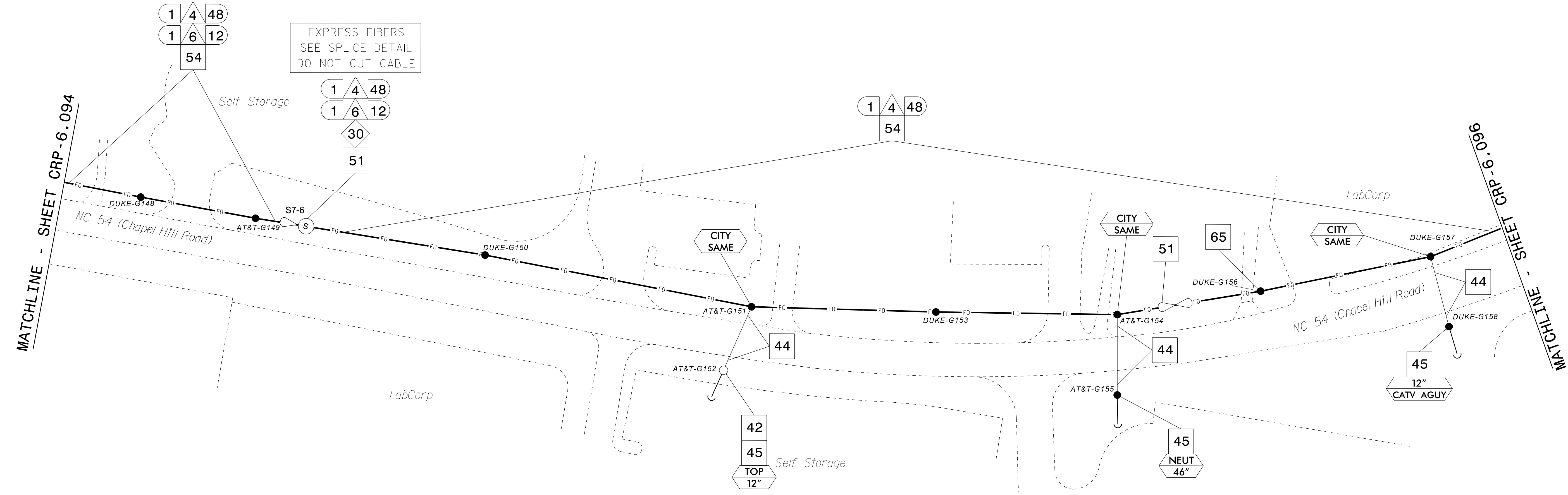
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Prepared for the Offices of:

Burlington-Graham Signal System Cable Routing Plans
 Division 7 Alamance County Burlington & Graham
 PLAN DATE: June 2018 REVIEWED BY: M B Toth
 PREPARED BY: ANE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum
 REVISIONS INIT. DATE
 SCALE 1"=50'

 DATE 11/13/2018
 CADD File name: CL-094.dgn

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 AT LUS3330348



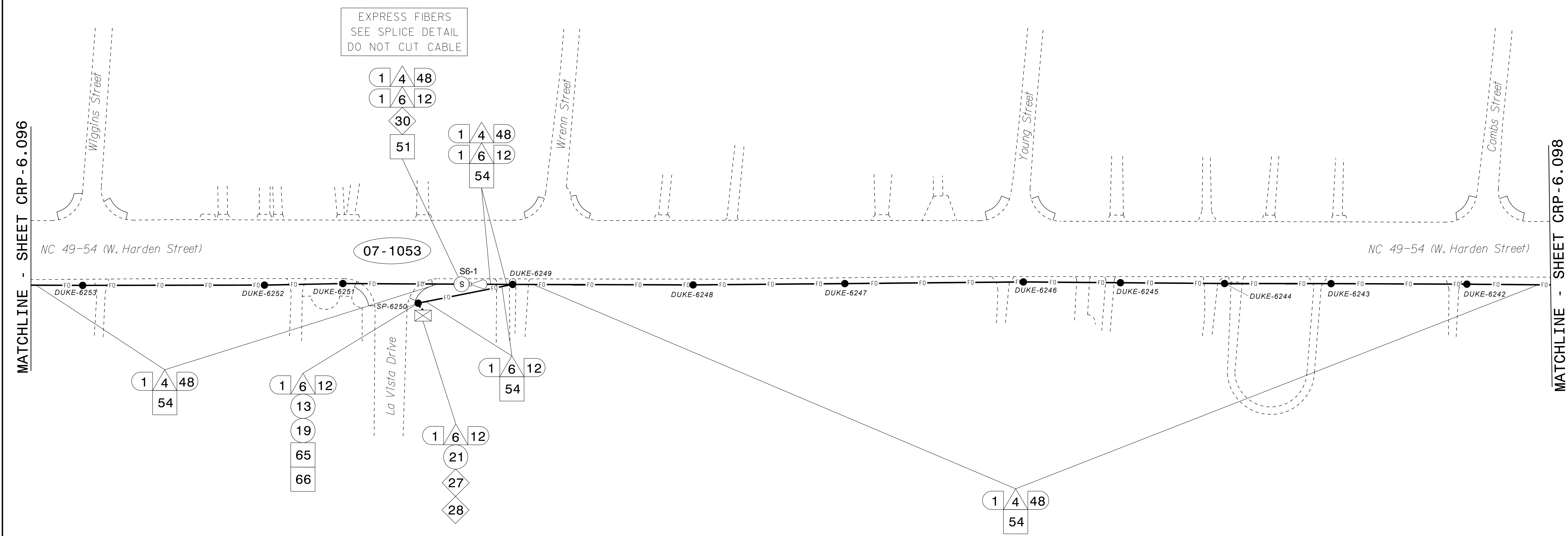
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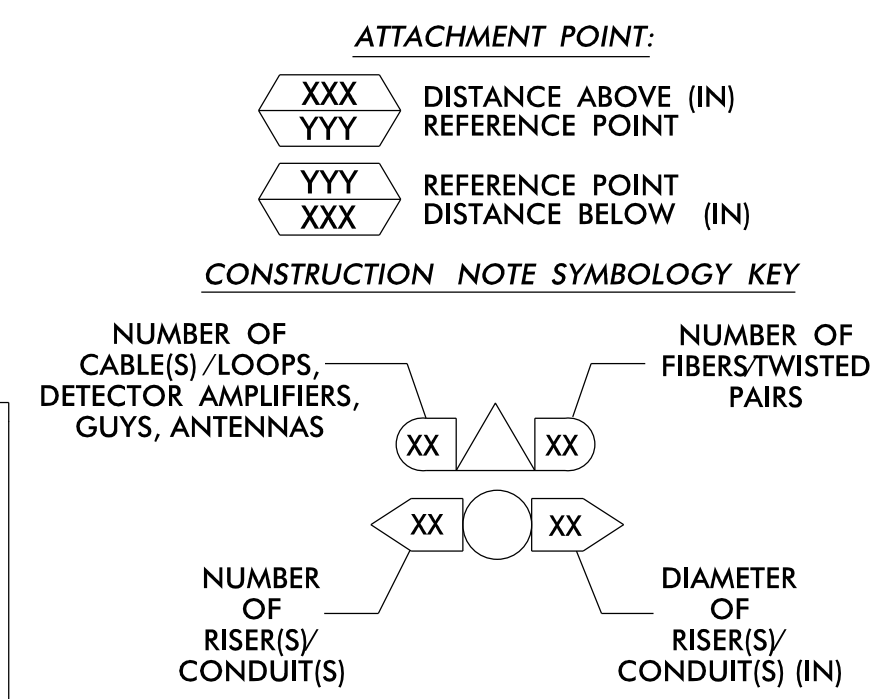
Legend table with 10 columns and 10 rows of symbols and descriptions for cable types, conduit, cabinets, and other equipment.

Project information block including Atkins logo, address (1616 East Millbrook Road, Suite 160), project title (Burlington-Graham Signal System Cable Routing Plans), division (7), county (Alamance), and a revision table.

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Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

PREPARED BY: ANE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

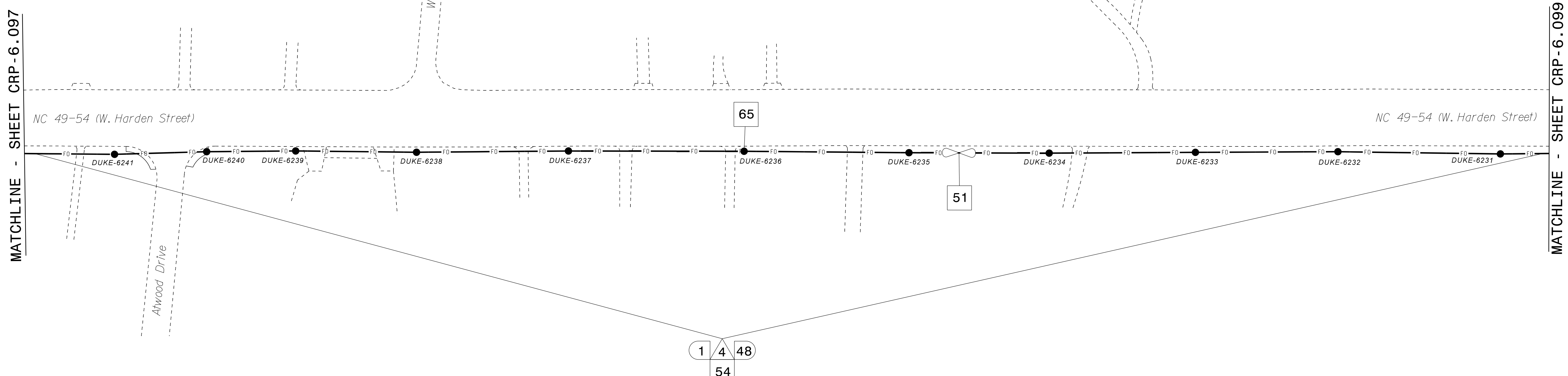
REVISIONS INIT. DATE

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOOTH 025892

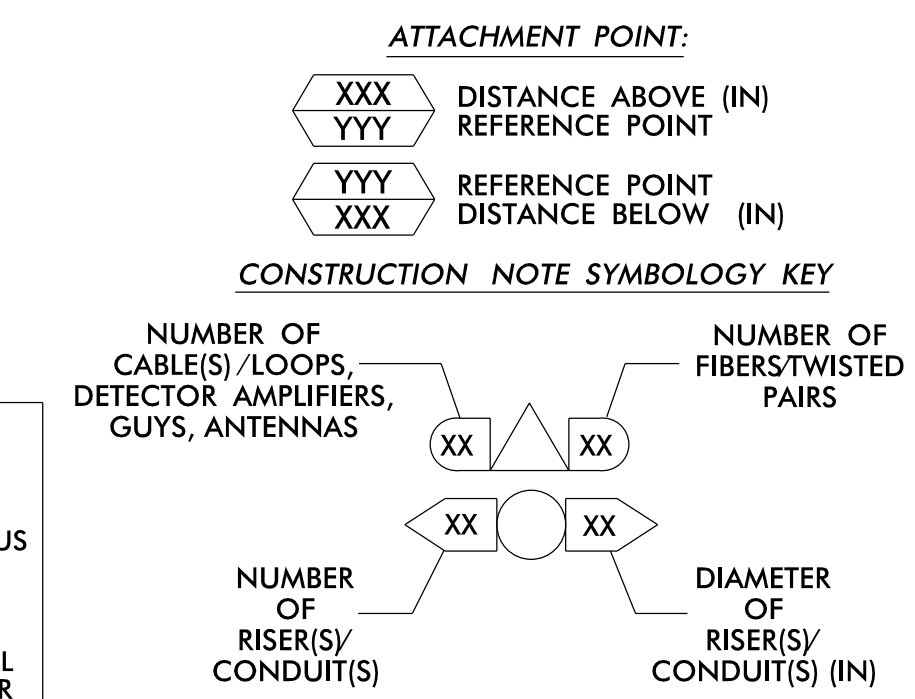
Melissa B. Toth 1/13/2018

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 ENCA5386 AT LUS330048



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Prepared for the Offices of:

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

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PREPARED BY: ANE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

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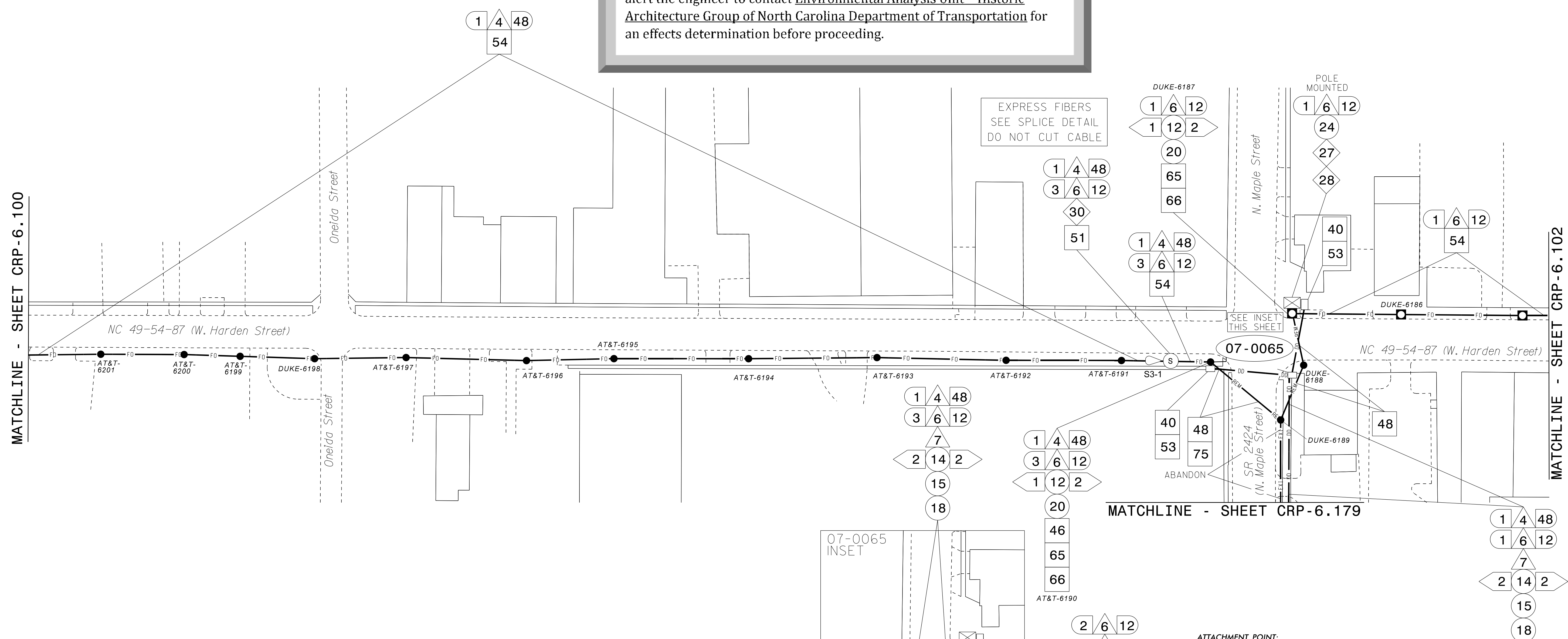
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOOTH 025892

Melissa B. Toth 6/13/2018

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Areas within this project have been determined to contain properties with documented historical significance. If it is necessary to deviate from the plans in an area identified to contain properties with historic significance, alert the engineer to contact Environmental Analysis Unit - Historic Architecture Group of North Carolina Department of Transportation for an effects determination before proceeding.



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ATTACHMENT POINT:

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YYY DISTANCE ABOVE (IN) REFERENCE POINT

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XXX REFERENCE POINT DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLGY KEY

NUMBER OF CABLE(S) / LOOPS, DETECTOR, AMPLIFIERS, GUYS, ANTENNAS: XX △ XX

NUMBER OF RISER(S) / CONDUIT(S): XX ○ XX

DIAMETER OF RISER(S) / CONDUIT(S) (IN): XX ○ XX

NUMBER OF FIBERS/TWISTED PAIRS: XX △ XX

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

Prepared for the Offices of: **STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

PREPARED BY: ANE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

REVISIONS: INIT. DATE

SCALE: 1"=50'

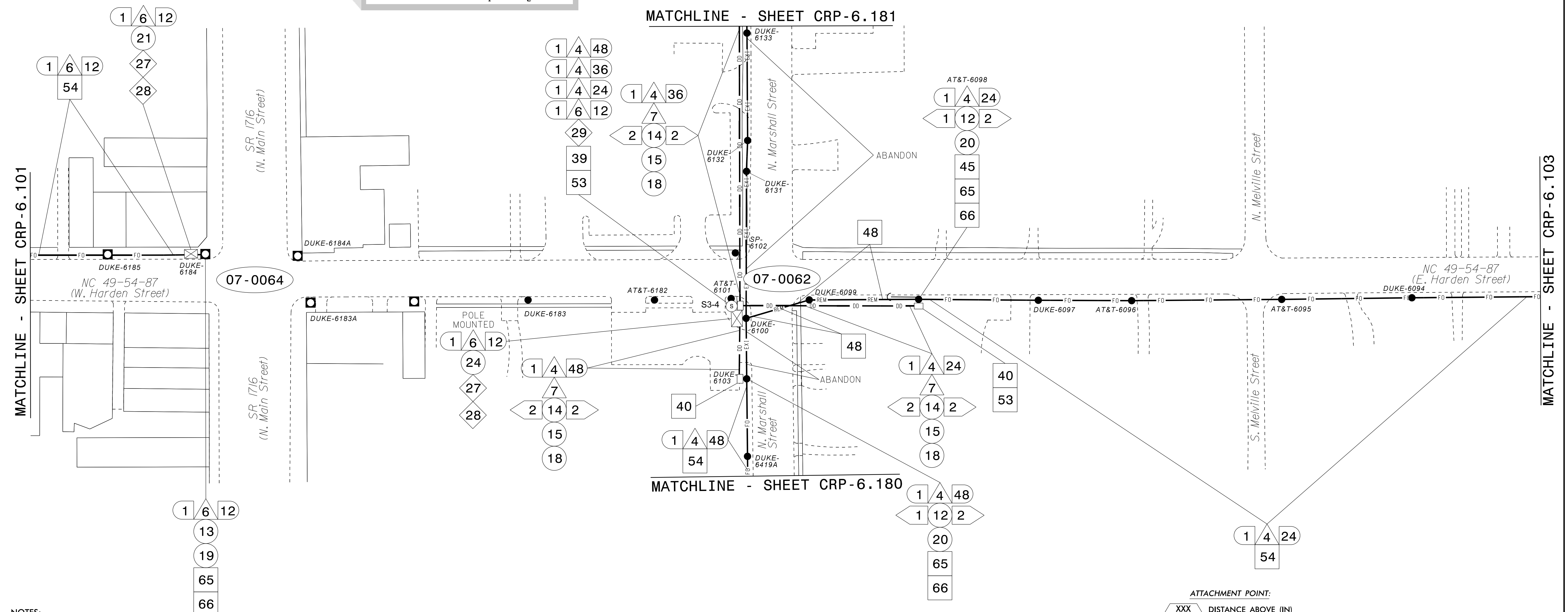
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DATE: 11/13/2018

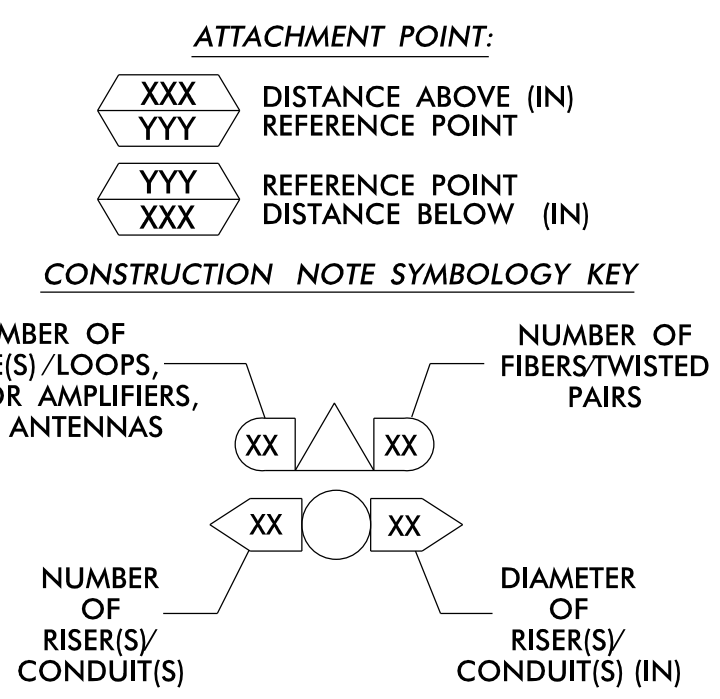
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 - ATTACH ON FRONT SIDE (FS) OF POLE.
 - SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX / CABINET ENTRANCES.



1	INSTALL CATEGORY 6 CABLE	11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE)	32	MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER	43	REMOVE EXISTING WOOD POLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	66	BOND RISER TO POLE GROUND
2	INSTALL LOW VOLTAGE POWER CABLE (24VAC)	12	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	23	INSTALL NEW RISER INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE)	33	REMOVE EXISTING SPLICE /HUB / CCTV CABINET	44	INSTALL AERIAL GUY ASSEMBLY	56	LASH CABLE(S) TO NEW MESSENGER CABLE	67	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
3	INSTALL COMPOSITE CCTV CABLE	13	INSTALL HEAT SHRINK TUBING KIT	24	INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET	34	INSTALL CABINET FOUNDATION	45	INSTALL STANDARD GUY ASSEMBLY	57	MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV	68	BOND TRACER WIRE TO POLE GROUND
4	INSTALL SMFO CABLE	14	INSTALL HIGH DENSITY POLYETHYLENE CONDUIT	25	INSTALL NEW RISER INTO POLE MOUNTED CABINET	35	REMOVE EXISTING CABINET FOUNDATION	46	INSTALL SIDEWALK GUY ASSEMBLY	58	INSTALL NEW ELECTRICAL SERVICE FOR CCTV OR RADIO	69	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
5	INSTALL COAXIAL ANTENNA CABLE	15	DIRECTIONAL DRILL CONDUIT	26	INSTALL DIGITAL VIDEO ENCODER	36	INSTALL CCTV CAMERA ASSEMBLY	47	INSTALL MESSENGER CABLE	59	INSTALL NEW POLE MOUNTED CCTV CABINET (336)	70	INSTALL CCTV CABINET DISCONNECT
6	INSTALL FIBER-OPTIC DROP CABLE	16	BORE AND JACK CONDUIT	27	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	37	INSTALL CCTV WOOD POLE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60	INSTALL NEW CCTV CABINET (NEMA TYPE 4)	71	INSTALL MANAGED ETHERNET SWITCH
7	INSTALL TRACER WIRE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	38	INSTALL STANDARD SIZE JUNCTION BOX	49	REMOVE EXISTING COMMUNICATIONS CABLE	60A	INSTALL NEW POLE MOUNTED CABINET FOR ANTENNA (RADIO)	72	INSTALL CCTV METAL POLE
8	INSTALL CONDUIT UNDERGROUND	18	INSTALL CABLE(S) IN NEW CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	39	INSTALL SPECIAL-SIZED JUNCTION BOX	50	INSTALL SERVICE CONDUCTORS	61	REMOVE EXISTING CCTV CAMERA ASSEMBLY	73	REMOVE EXISTING CCTV METAL POLE
9	INSTALL PVC CONDUIT	19	INSTALL CABLE(S) IN EXISTING RISER(S)	30	INSTALL AERIAL SPLICE ENCLOSURE	40	INSTALL OVER-SIZED JUNCTION BOX	51	INSTALL CABLE STORAGE GUIDE(S) [SNOW SHOES] AND STORE 100 FEET OF EACH CABLE	62	NEW CABINET ENTRANCE INTO NEW FOUNDATION	74	REMOVE WIRELESS COMMUNICATIONS EQUIPMENT
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	20	INSTALL CABLE(S) IN NEW RISER(S)	31	INSTALL SPLICE CABINET	41	REMOVE EXISTING JUNCTION BOX	52	INSTALL DELINEATOR MARKER	63	DRILL/CORE DRILL EXISTING FOUNDATION	75	BACKPULL AND COIL CITY IT CABLE
		21	INSTALL CABLE(S) IN EXISTING CABINET ENTRANCE			42	INSTALL WOOD POLE	53	STORE 30' OF COMMUNICATIONS CABLE (EACH CABLE)	76	INSTALL 2.4 GHZ RADIO AND PANEL ANTENNA		
								54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	77	INSTALL BASE MOUNTED CCTV CABINET WITH EXTENDER (336)		

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 878-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

PREPARED BY: AWE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

Melissa B. Toth, 13/2018

CADD File name: CL-102.dgn

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