

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.

ATTACHMENT POINT:

XXX
YYY DISTANCE ABOVE (IN)
REFERENCE POINT

YYY
XXX REFERENCE POINT
DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY

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

NUMBER OF FIBER/TWISTED PAIRS: XX

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

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

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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
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Prepared for the Offices of:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRANSPORTATION SYSTEMS DIVISION

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

REVISIONS INIT. DATE

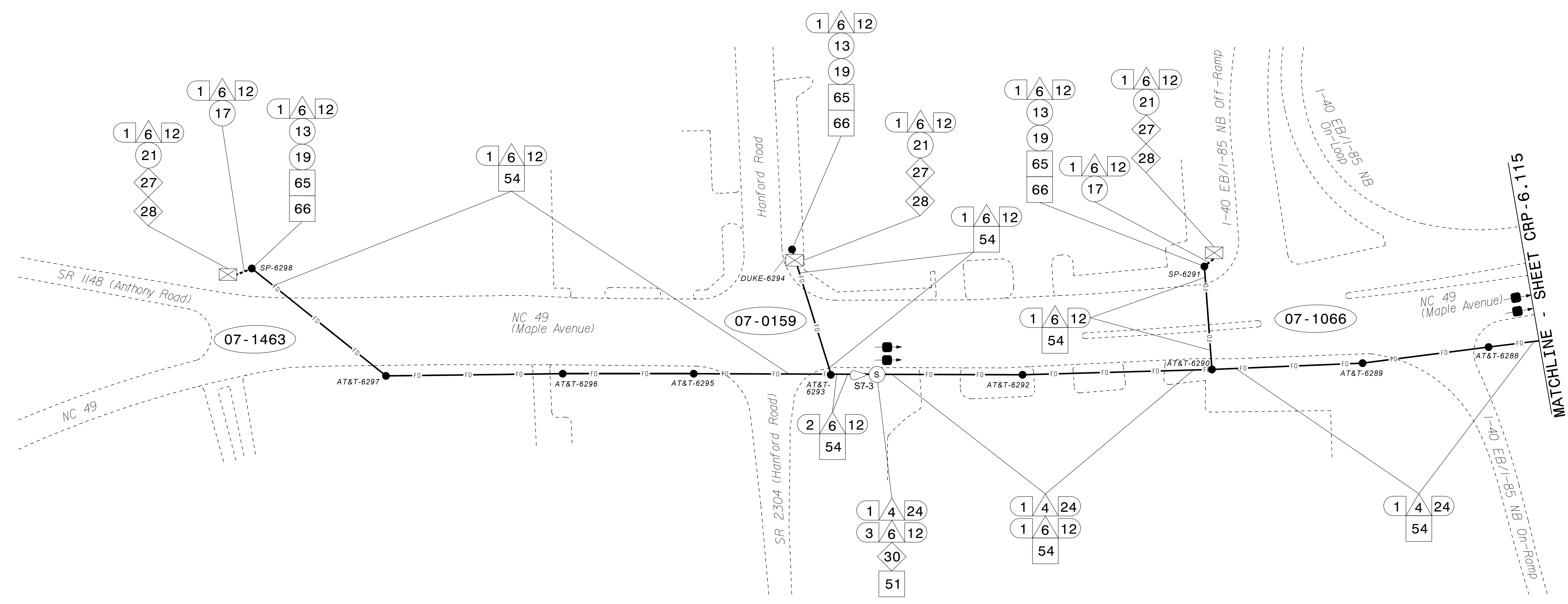
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 NORTH CAROLINA PROFESSIONAL ENGINEER
 MELISSA B. TOTH
 025892
 MELISSA B. TOTH 6/13/2018
 DATE

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



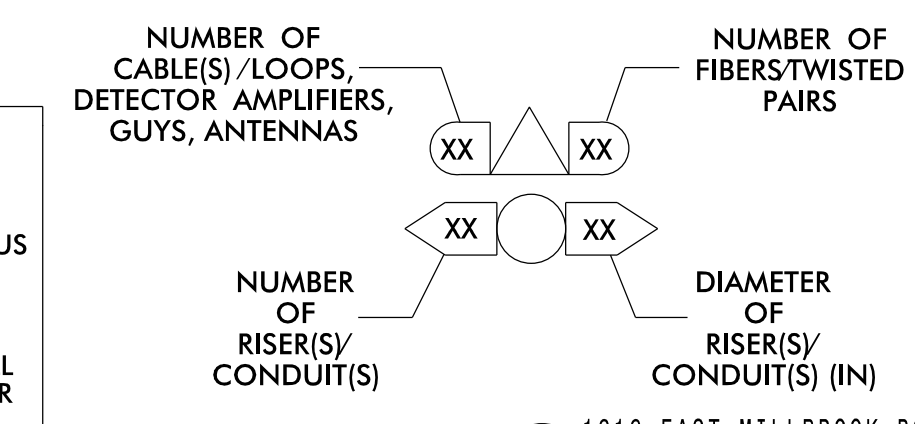
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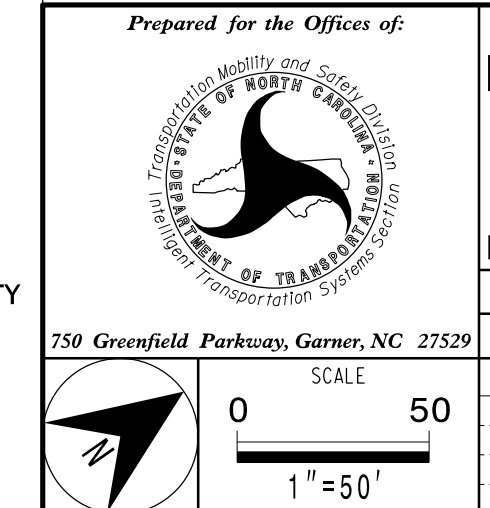
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Burlington-Graham Signal System Cable Routing Plans

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

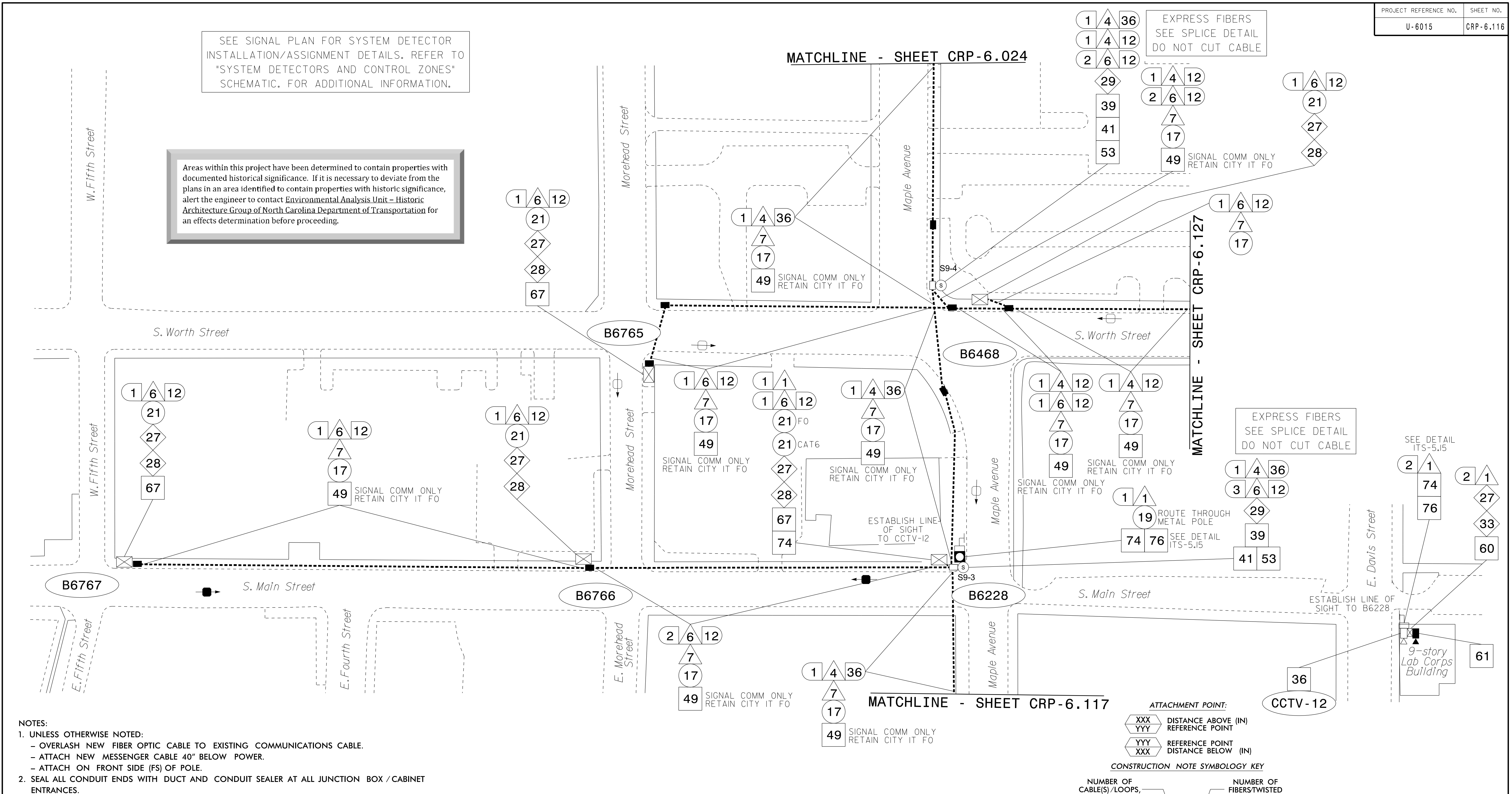
REVISIONS INIT. DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 025892
MELISSA B. TOTH
Melissa B. Toth, 13/2018
DATE

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ENC45396 AT LUS330048

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

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Prepared for the Offices of:
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Division 7 Alamance County Burlington & Graham

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

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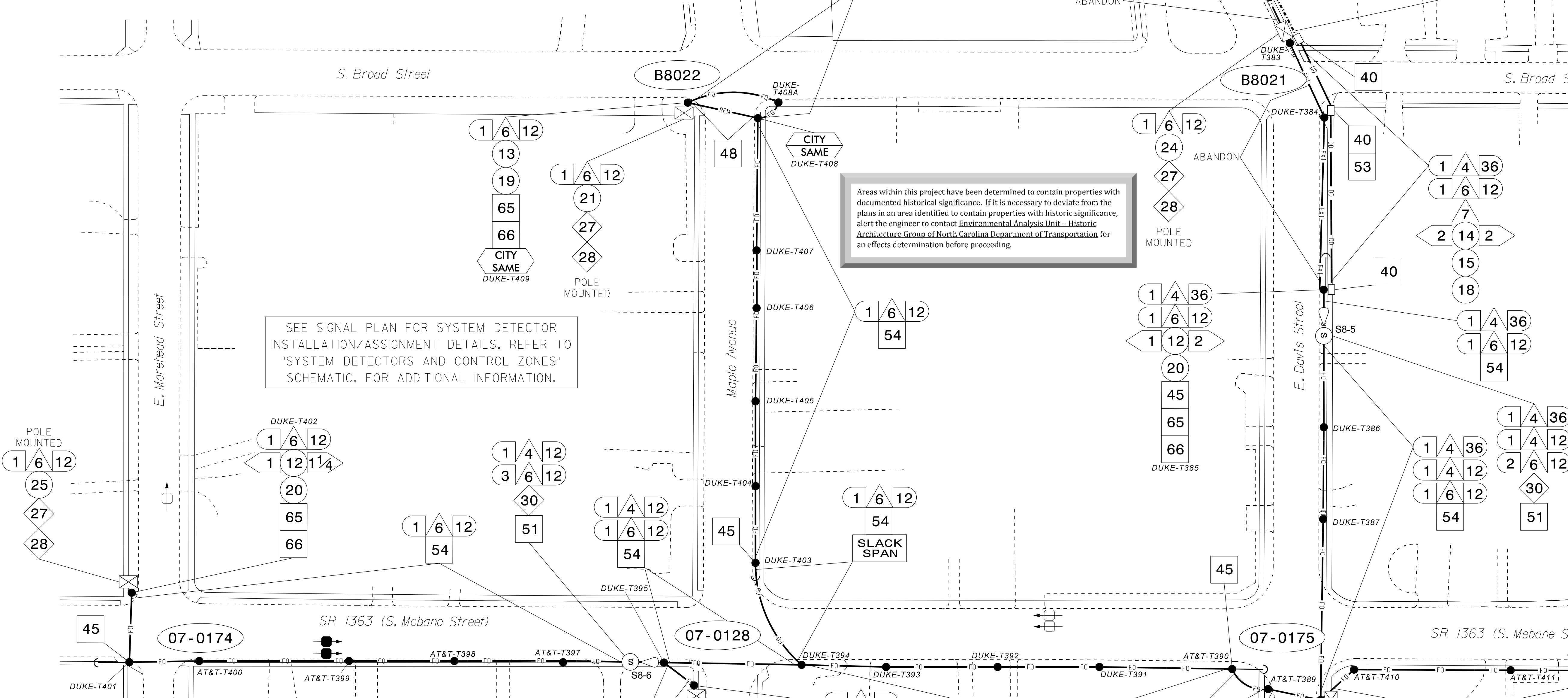
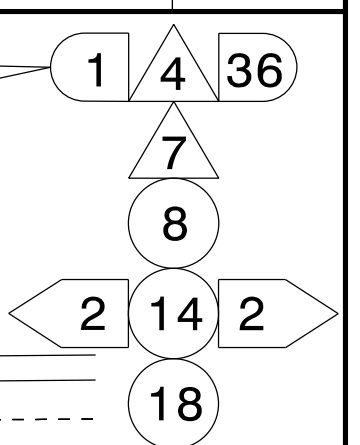
DocuSigned by:
Melissa B. Toth 6/13/2018

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 025892
MELISSA B. TOTH

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AT LUS333048
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MATCHLINE - SHEET CRP-6.118



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EXPRESS FIBERS SEE SPLICE DETAIL DO NOT CUT CABLE

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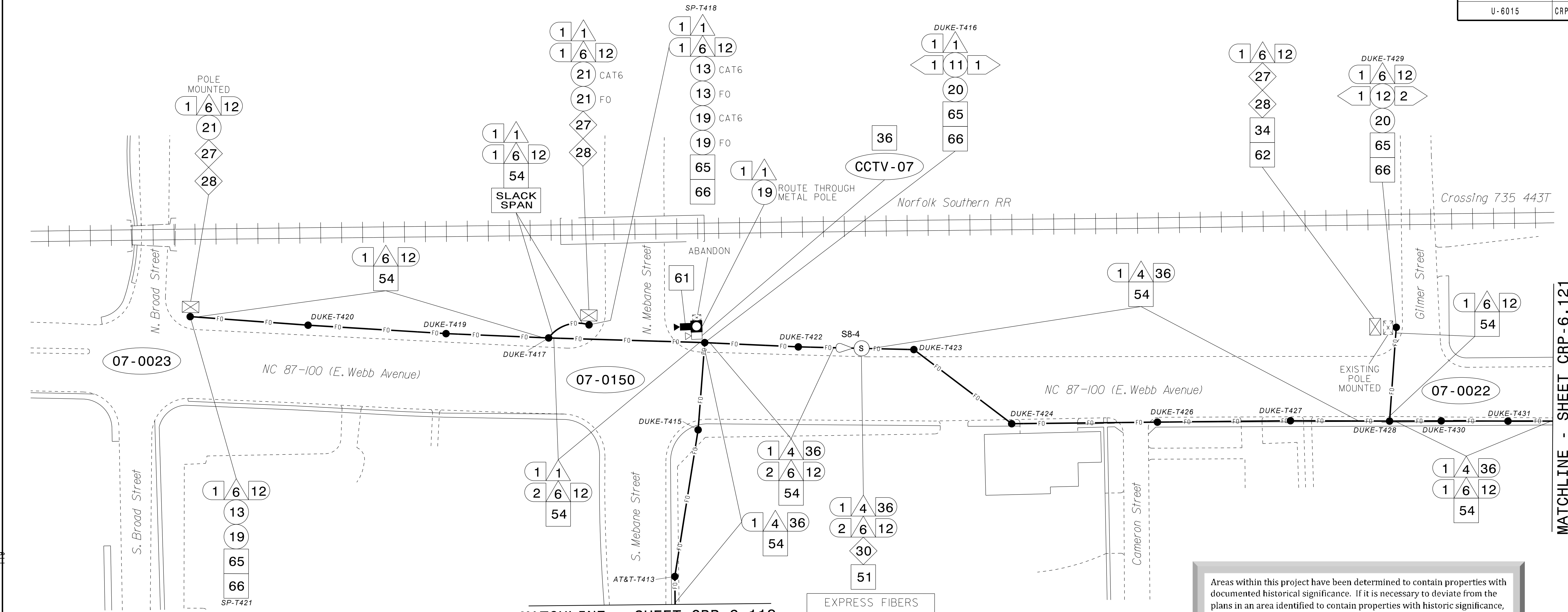
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750 Greenfield Parkway, Garner, NC 27529
 SCALE 0 50 1"=50'

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025892
 MELISSA B. TOTH
 Date: 11/13/2018
 DocuSigned by: Melissa B. Toth
 CADD File name: CL-119.dgn

13-JUN-2018 15:44 01:rcosport\offic\c\curr*100056469 U-6015 B-G Sig Sys\Task 11.CL\CL-119.dgn AT LUS333048 ENC45396



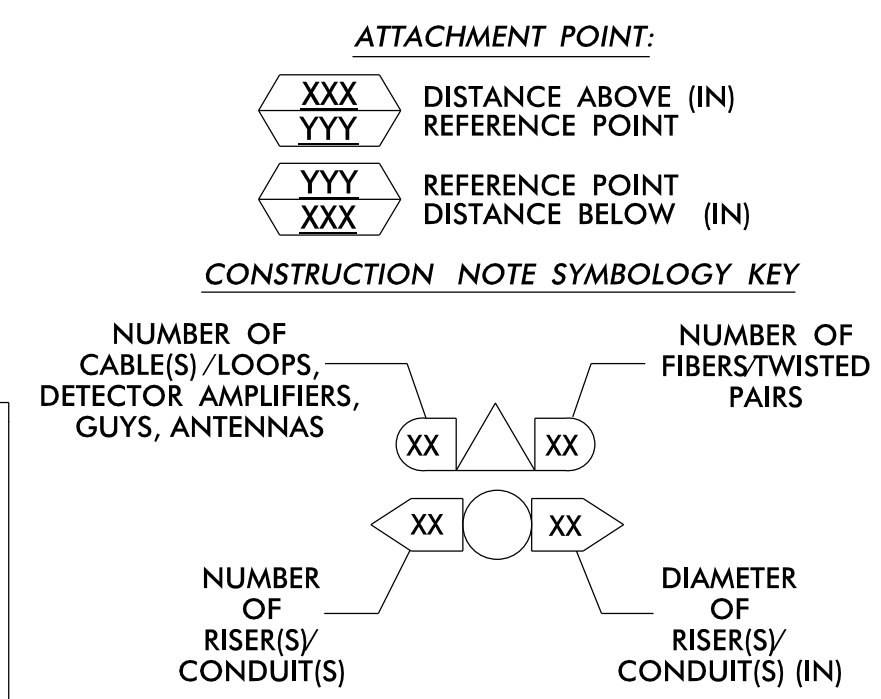
MATCHLINE - SHEET CRP-6.119

EXPRESS FIBERS
SEE SPLICE DETAIL
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MATCHLINE - SHEET CRP-6.121

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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 SHOE(S)] 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
						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) 876-6888 NCBEES #F-0326

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

PREPARED BY: AME/AJH/VJP/NAP/JAW REVIEWED BY: B J Slocum

REVISIONS INIT. DATE

SCALE 0 50 1"=50'

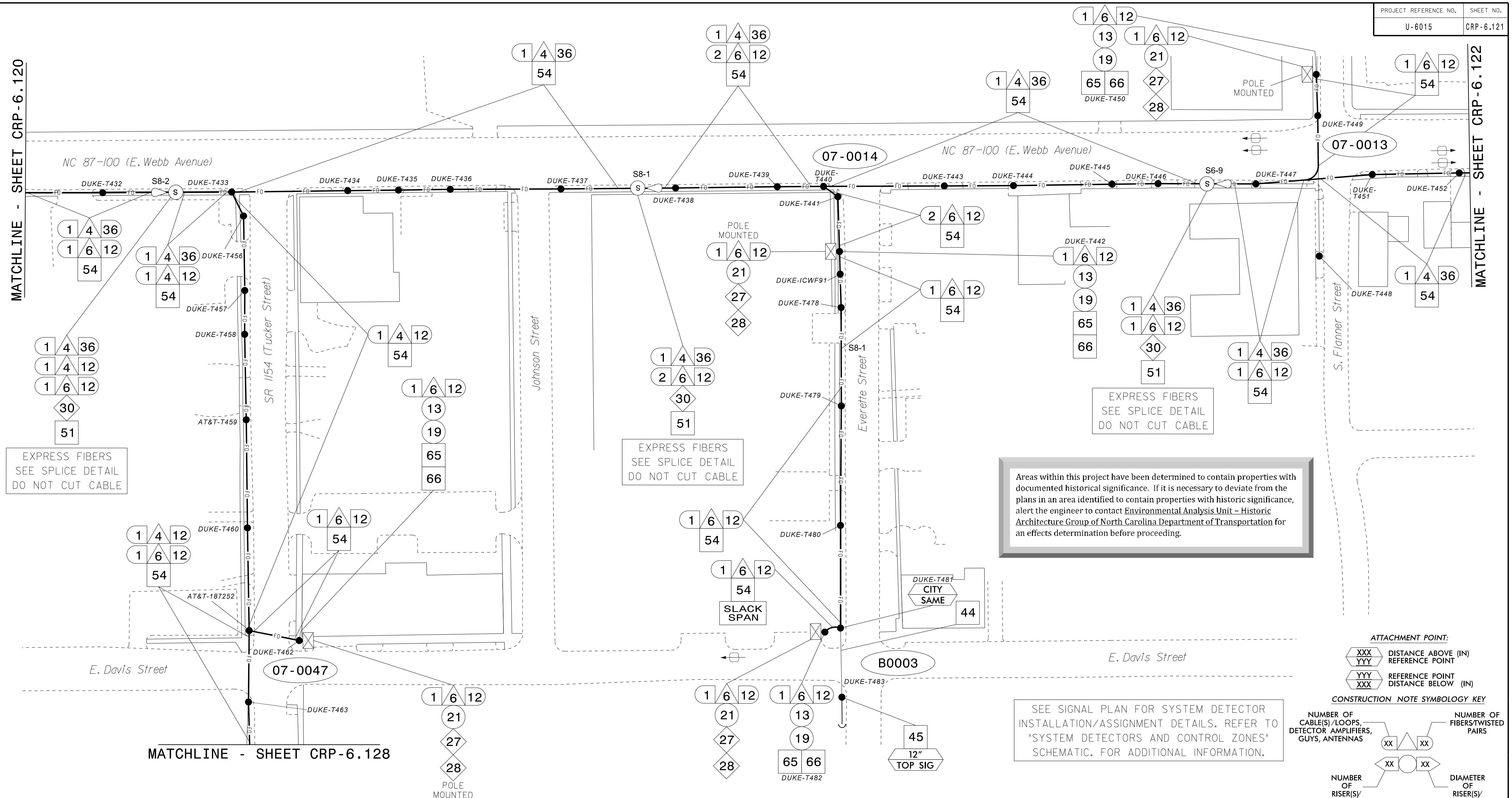
750 Greenfield Parkway, Garner, NC 27529

DocuSigned by: Melissa B. Toth, 13/2018

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

CADD File name: CL-120.dgn

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ENC45386 AT LUS330048



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|--------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 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) | 64 INTERCEPT AND REROUTE EXISTING CONDUITS | 76 INSTALL 2.4 GHZ RADIO AND PANEL ANTENNA |
| | | | | 54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE | 65 BOND MESSENGER TO POLE GROUND | 77 INSTALL BASE MOUNTED CCTV CABINET WITH EXTENDER (336) |

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.

ATTACHMENT POINT:

XXX
YYY DISTANCE ABOVE (IN) REFERENCE POINT

YYY
XXX REFERENCE POINT DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY

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

NUMBER OF RISER(S)/CONDUIT(S)

NUMBER OF FIBER/TWISTED PAIRS

DIAMETER OF RISER(S)/CONDUIT(S) (IN)

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

- NOTES:**
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
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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: AME/AJH/VJP/NAP/JAW REVIEWED BY: BJ Sloucum

REVISIONS INIT. DATE

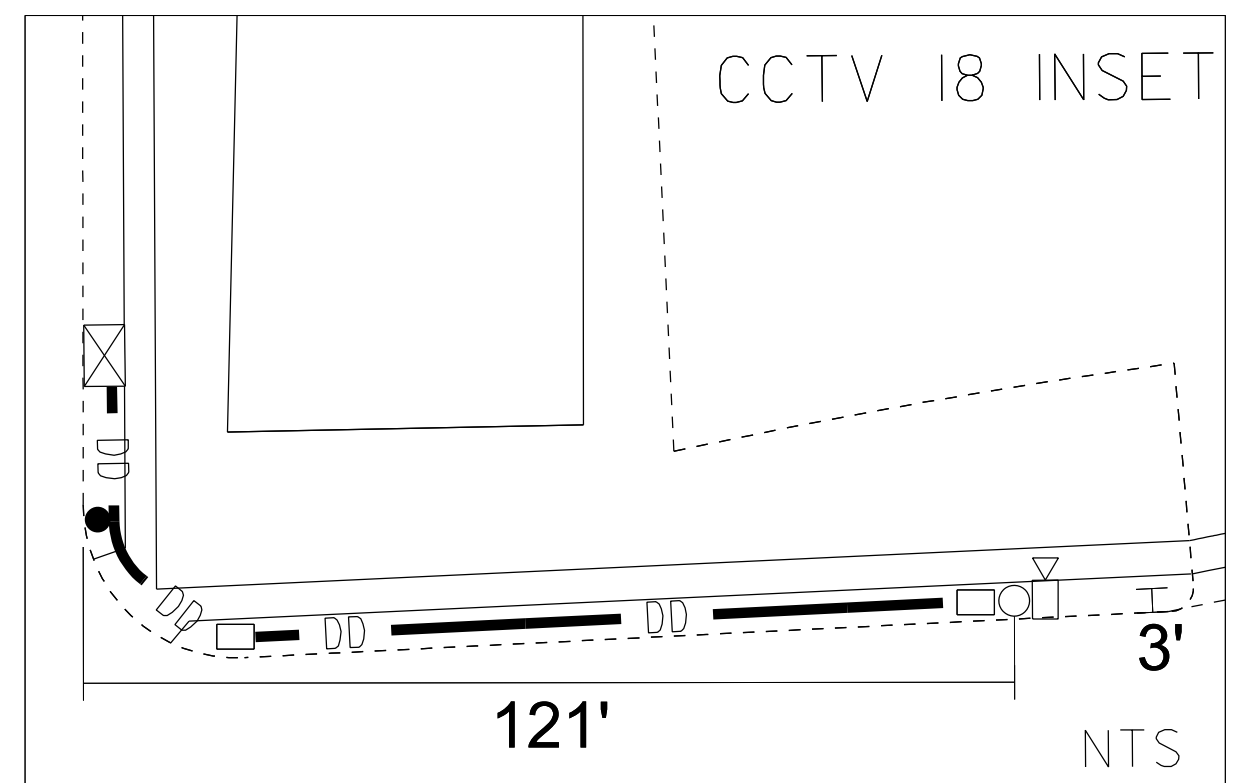
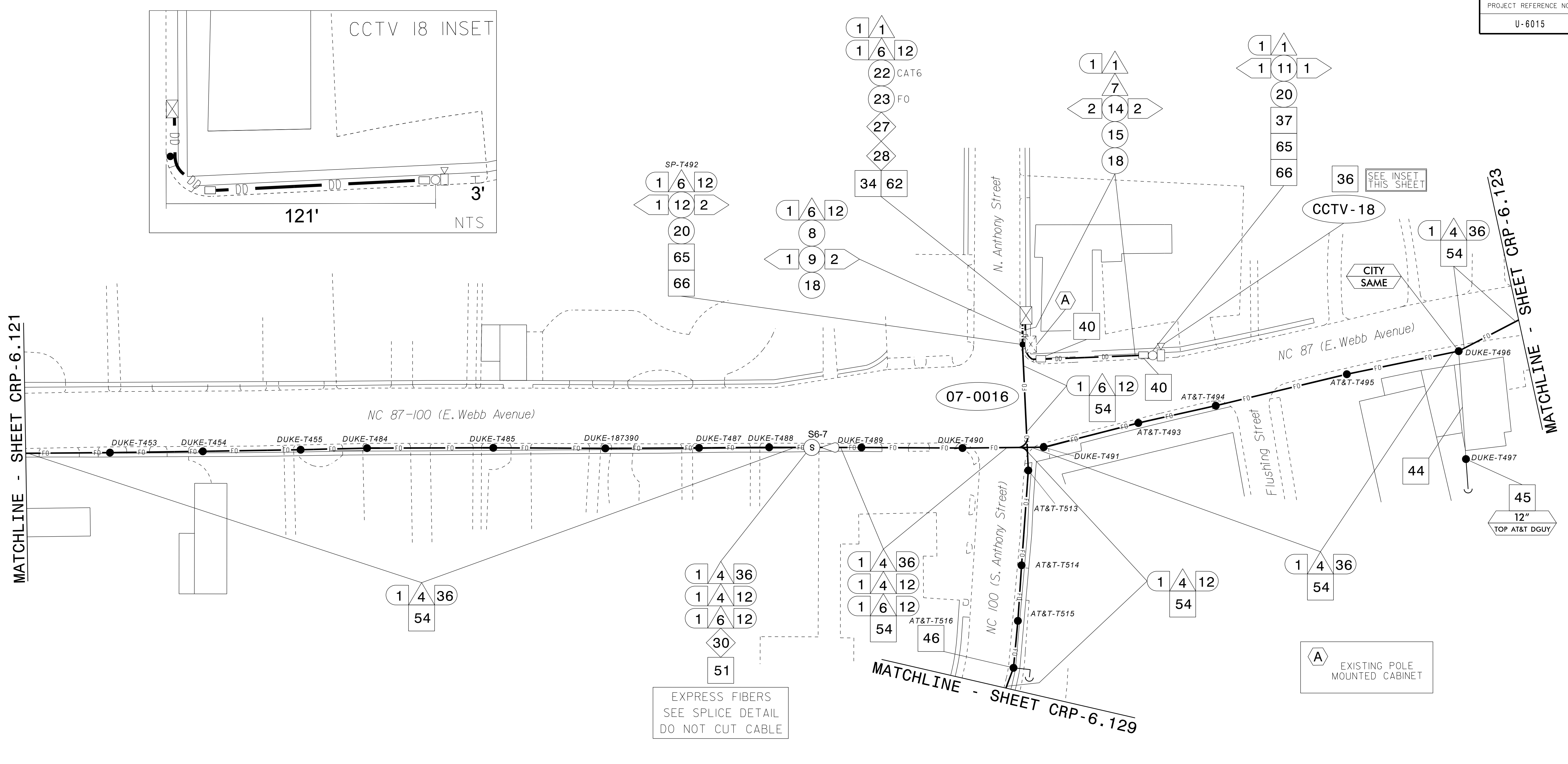
DocuSigned by: Melissa B. Toth, 13/2018

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH

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MATCHLINE - SHEET CRP-6.121

MATCHLINE - SHEET CRP-6.123

EXPRESS FIBERS
SEE SPICE DETAIL
DO NOT CUT CABLE

36 SEE INSET THIS SHEET

A EXISTING POLE MOUNTED CABINET

NOTES:

1. UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
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- ATTACHMENT POINT:
- XXX
YYY REFERENCE POINT DISTANCE ABOVE (IN)
- YYY
XXX REFERENCE POINT DISTANCE BELOW (IN)
- CONSTRUCTION NOTE SYMBOLOLOGY KEY

- NUMBER OF CABLE(S)/LOOPS, DETECTOR, AMPLIFIERS, GUYS, ANTENNAS: XX ▲ XX
- NUMBER OF RISER(S)/CONDUIT(S): XX ○ XX
- NUMBER OF FIBER/TWISTED PAIRS: XX △ XX
- DIAMETER OF RISER(S)/CONDUIT(S) (IN): XX ○ XX

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
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Prepared for the Offices of:
Department of Transportation
Division 7

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 RALEIGH, NORTH CAROLINA 27609
PREPARED BY: AME/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth
REVISIONS INIT. DATE

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

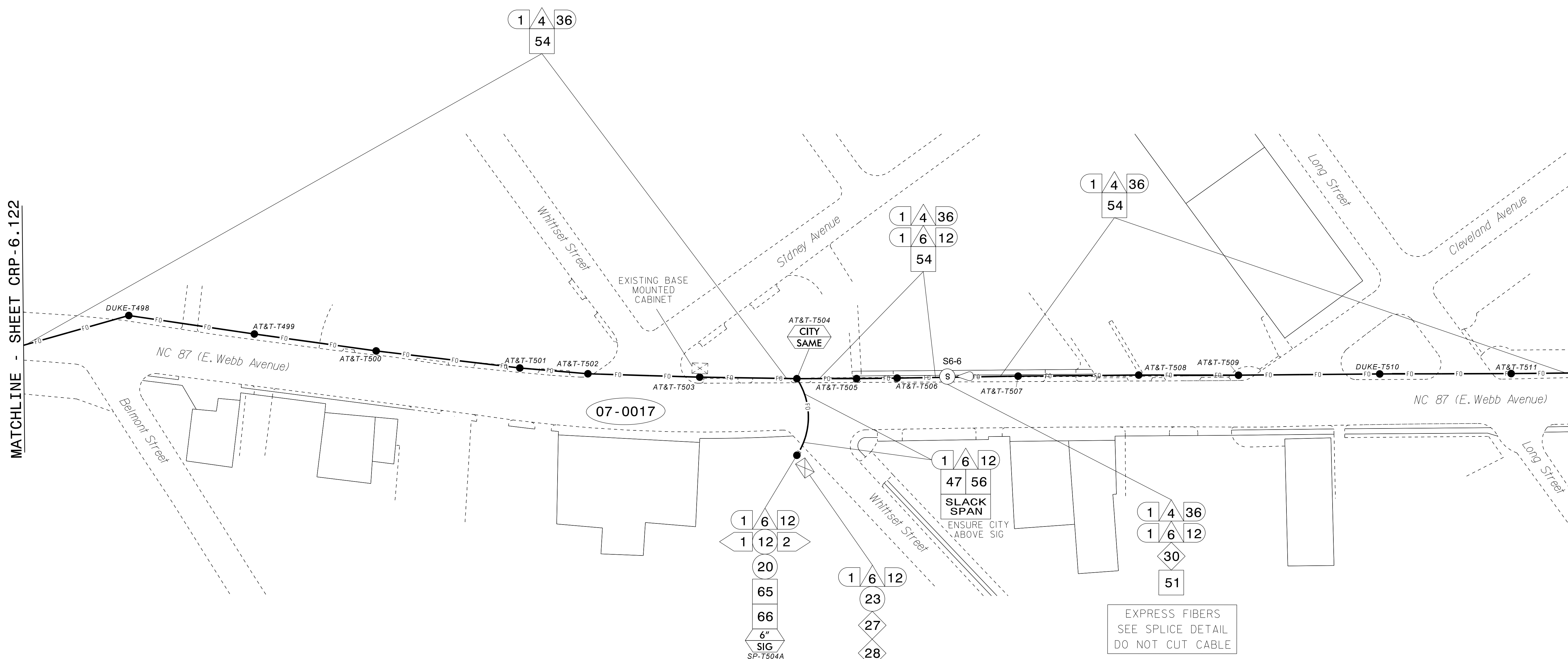
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER
MELISSA B. TOTH
DocuSigned by:
Melissa B. Toth 6/13/2018
DATE
CADW File name: CL-122.dgn

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
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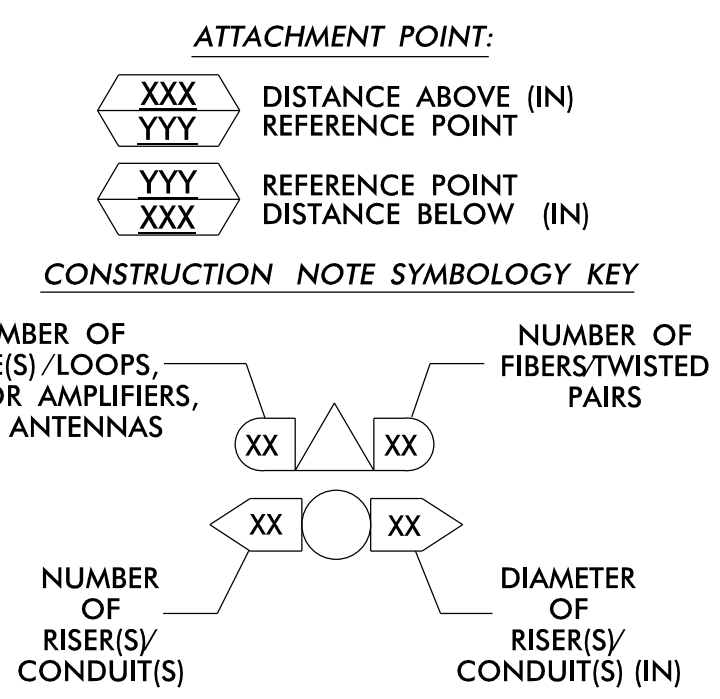
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MATCHLINE - SHEET CRP-6.122

MATCHLINE - SHEET CRP-6.124



- NOTES:**
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 TRANSPORTATION SYSTEMS DIVISION

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

REVISIONS INIT. DATE

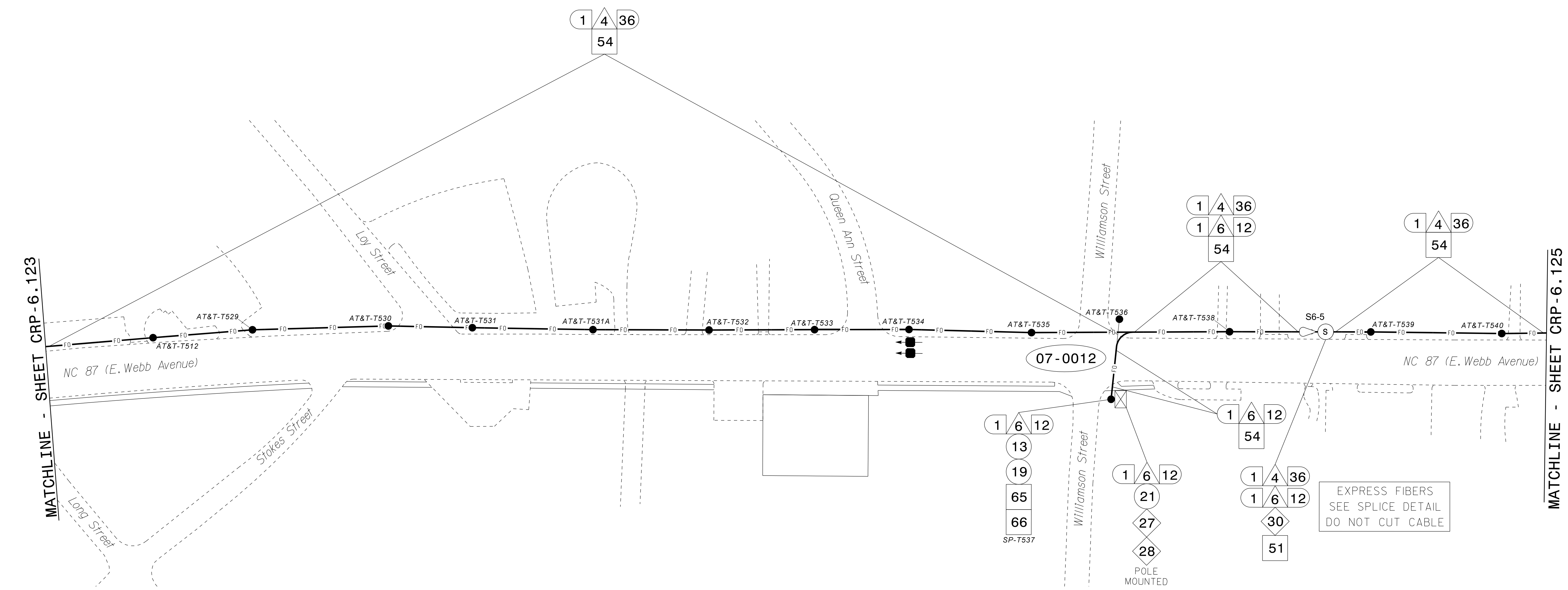
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DocuSigned by:

 Melissa B. Toth, 13/2018
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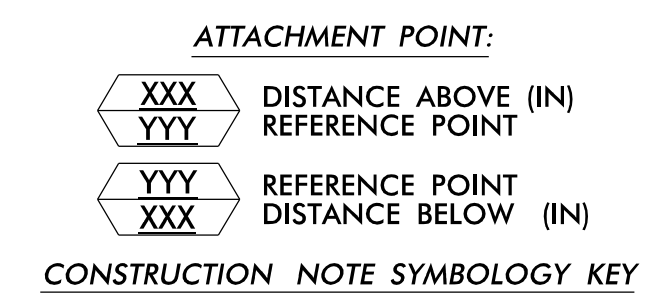
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 AT LUS333048



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

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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 SHOE(S)] 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)	64. INTERCEPT AND REROUTE EXISTING CONDUITS	76. INSTALL 2.4 GHZ RADIO AND PANEL ANTENNA
				54. LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	65. BOND MESSENGER TO POLE GROUND	77. INSTALL BASE MOUNTED CCTV CABINET WITH EXTENDER (336)

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

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

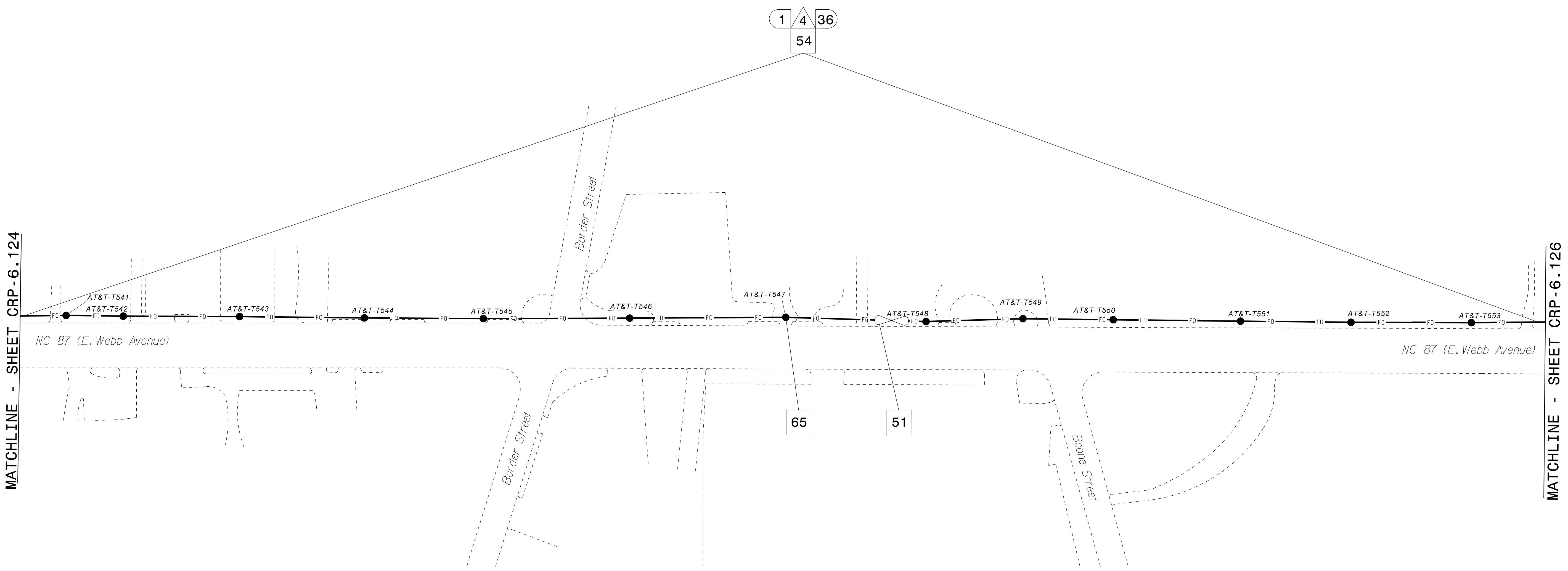
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DocuSigned by: Melissa B. Toth 025892 ENGINEER

DATE

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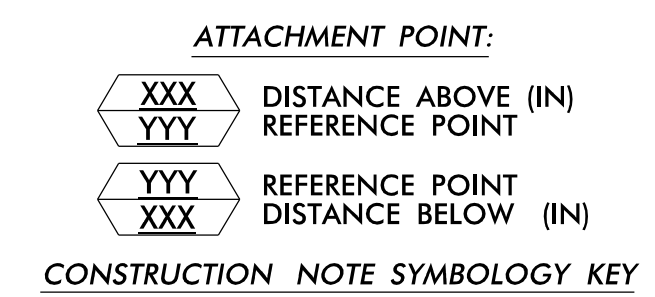
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MATCHLINE - SHEET CRP-6.124

MATCHLINE - SHEET CRP-6.126

- NOTES:**
- 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.
 - SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX / CABINET ENTRANCES.



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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
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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 SHOE(S)] 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
			42 INSTALL WOOD POLE	53 STORE 30' OF COMMUNICATIONS CABLE (EACH CABLE)	64 INTERCEPT AND REROUTE EXISTING CONDUITS	76 INSTALL 2.4 GHZ RADIO AND PANEL ANTENNA
				54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	65 BOND MESSENGER TO POLE GROUND	77 INSTALL BASE MOUNTED CCTV CABINET WITH EXTENDER (336)

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

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 PREPARED BY: AME/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth

750 Greenfield Parkway, Garner, NC 27529

SCALE 0 50 1"=50'

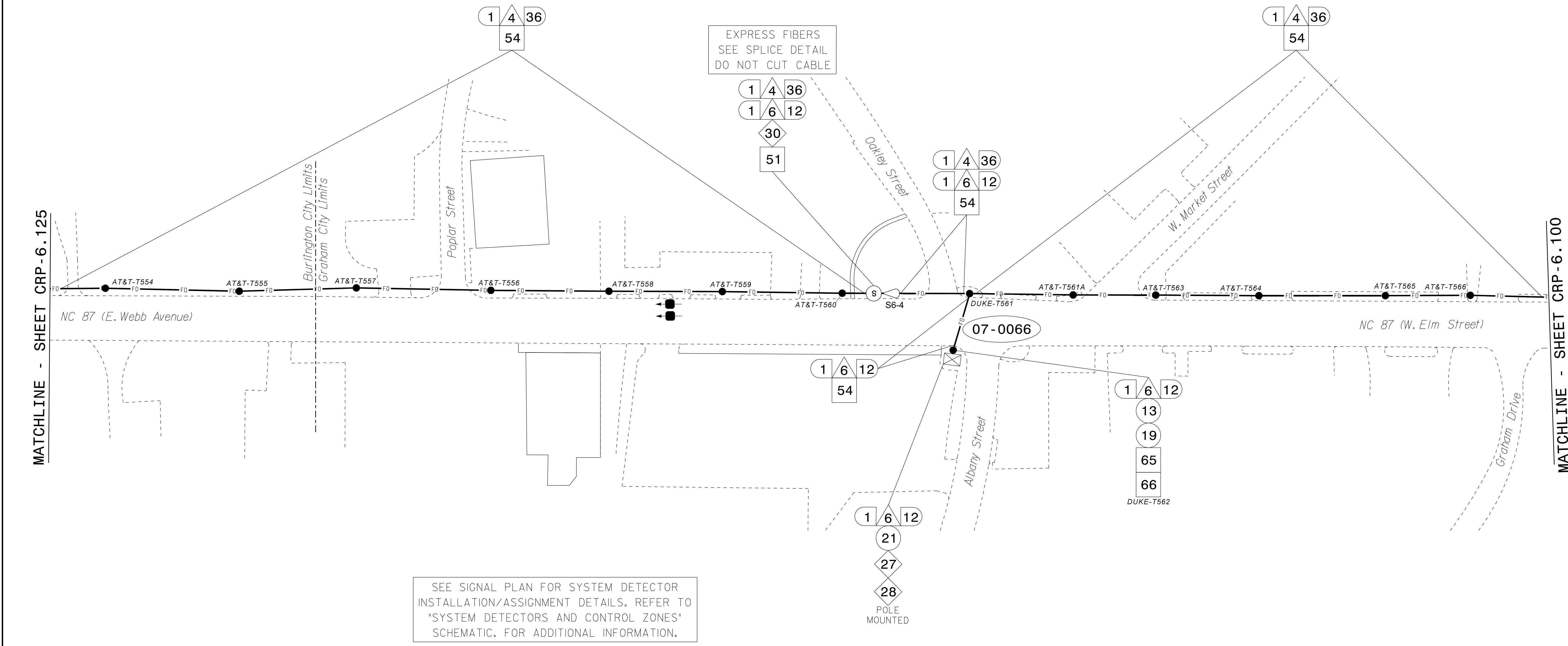
REVISIONS INIT. DATE

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

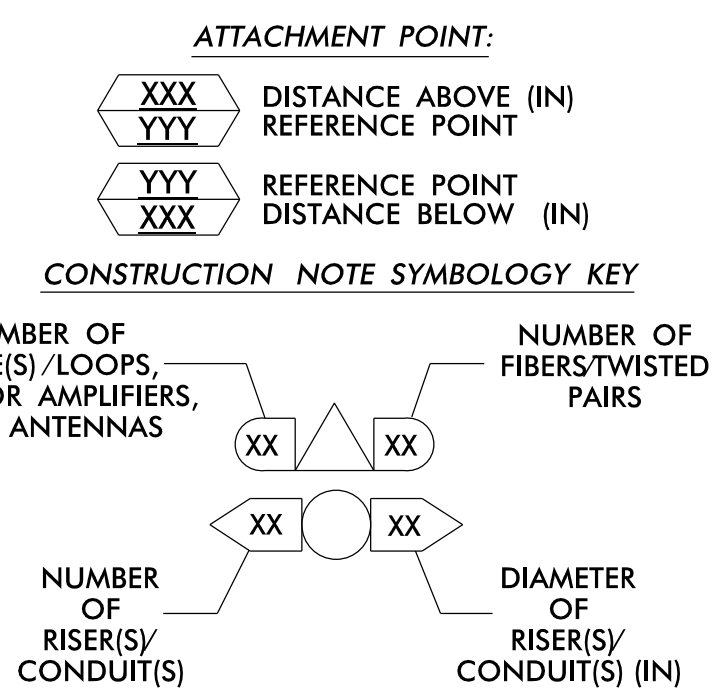
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- NOTES:**
- UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
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1	INSTALL 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
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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
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

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 0 50 1"=50'

DocuSigned by: Melissa B. Toth 025892 ENGINEER MELISSA B. TOTH

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 AT LUS3330048 ENCA5386

MATCHLINE - SHEET CRP-6.025

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.

MATCHLINE - SHEET CRP-6.116

- 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.

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

ATTACHMENT POINT:
XXX DISTANCE ABOVE (IN) REFERENCE POINT
YYY REFERENCE POINT
XXX DISTANCE BELOW (IN)
CONSTRUCTION NOTE SYMBOLOLOGY KEY

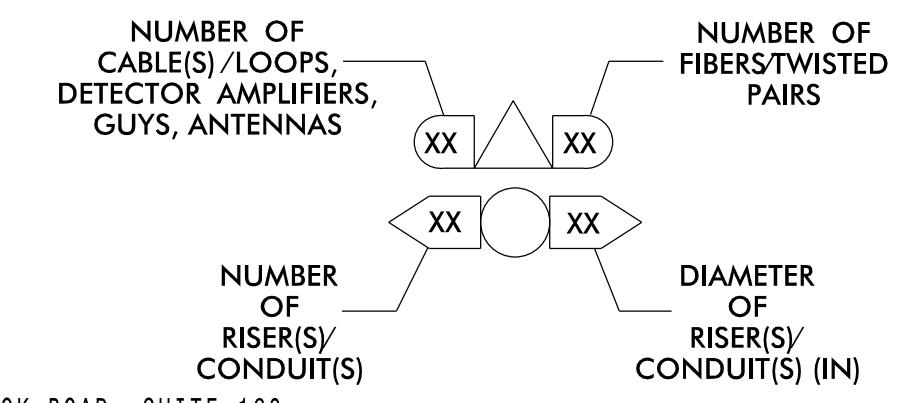
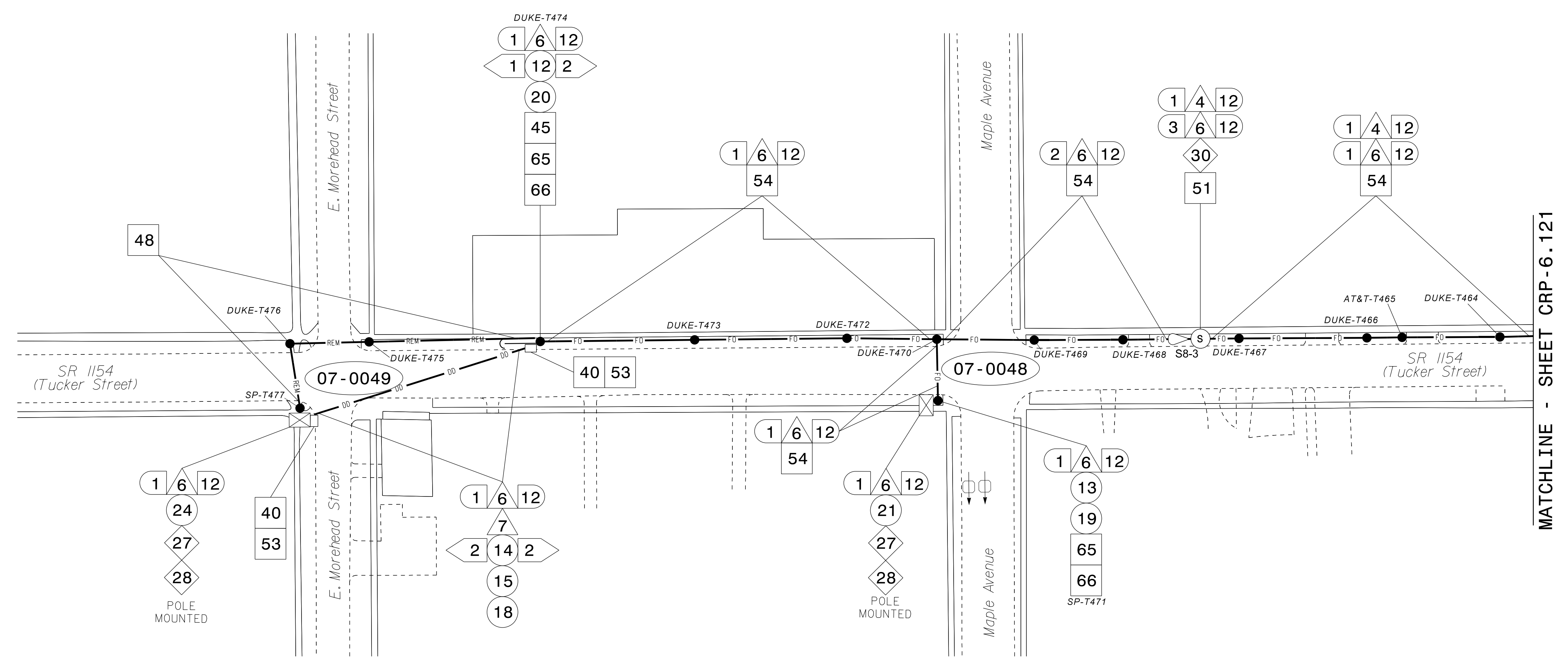


Table with 10 columns and 10 rows of construction notes, each with a numbered symbol and a corresponding description of the work to be performed.

ATKINS logo and project information including 'Burlington-Graham Signal System Cable Routing Plans', plan date (June 2018), and a professional seal for Melissa B. Toth.

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ENC45386 AT LUS330348

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



MATCHLINE - SHEET CRP-6.121

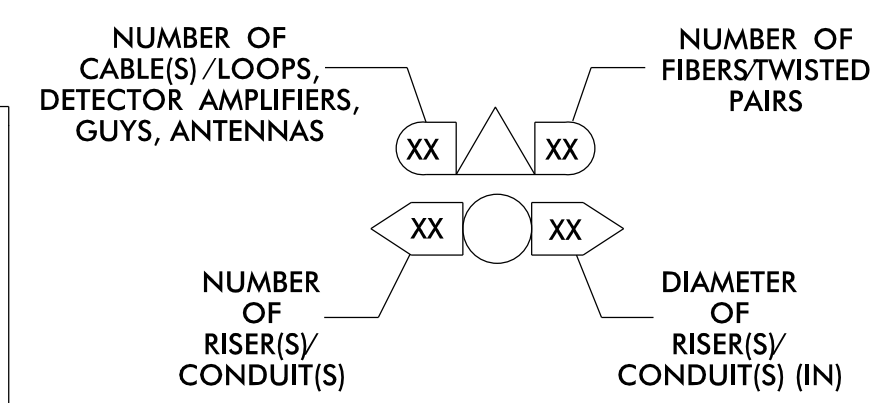
- NOTES:**
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ATTACHMENT POINT:

XXX
YYY REFERENCE POINT

YYY
XXX REFERENCE POINT DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY



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

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

750 Greenfield Parkway, Garner, NC 27529

SCALE: 0 50 1"=50'

REVISIONS: INIT. DATE

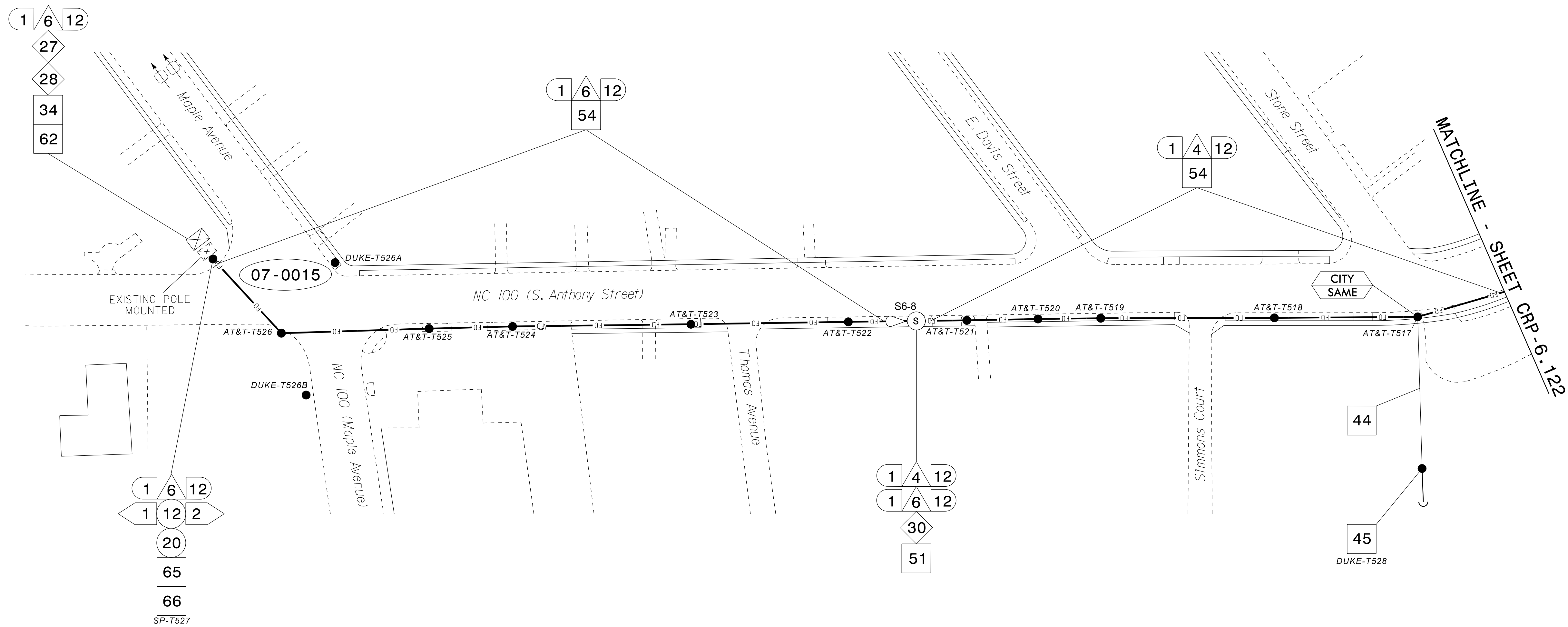
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DocuSigned by: Melissa B. Toth 6/13/2018

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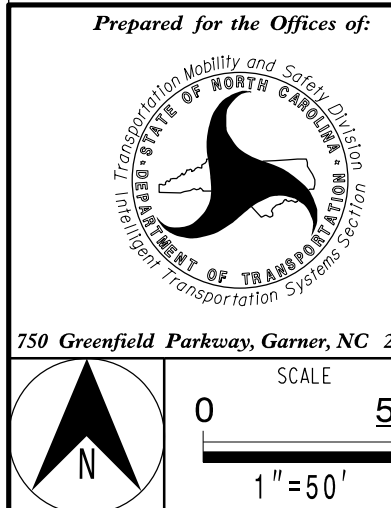
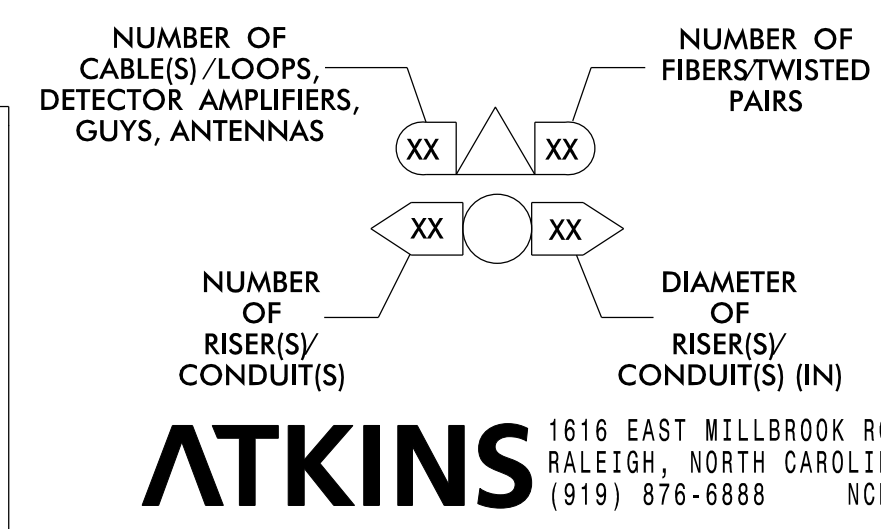
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INSTALLATION/ASSIGNMENT DETAILS. REFER TO
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(919) 878-6888 NCBEES #F-0326

Burlington-Graham Signal System Cable Routing Plans

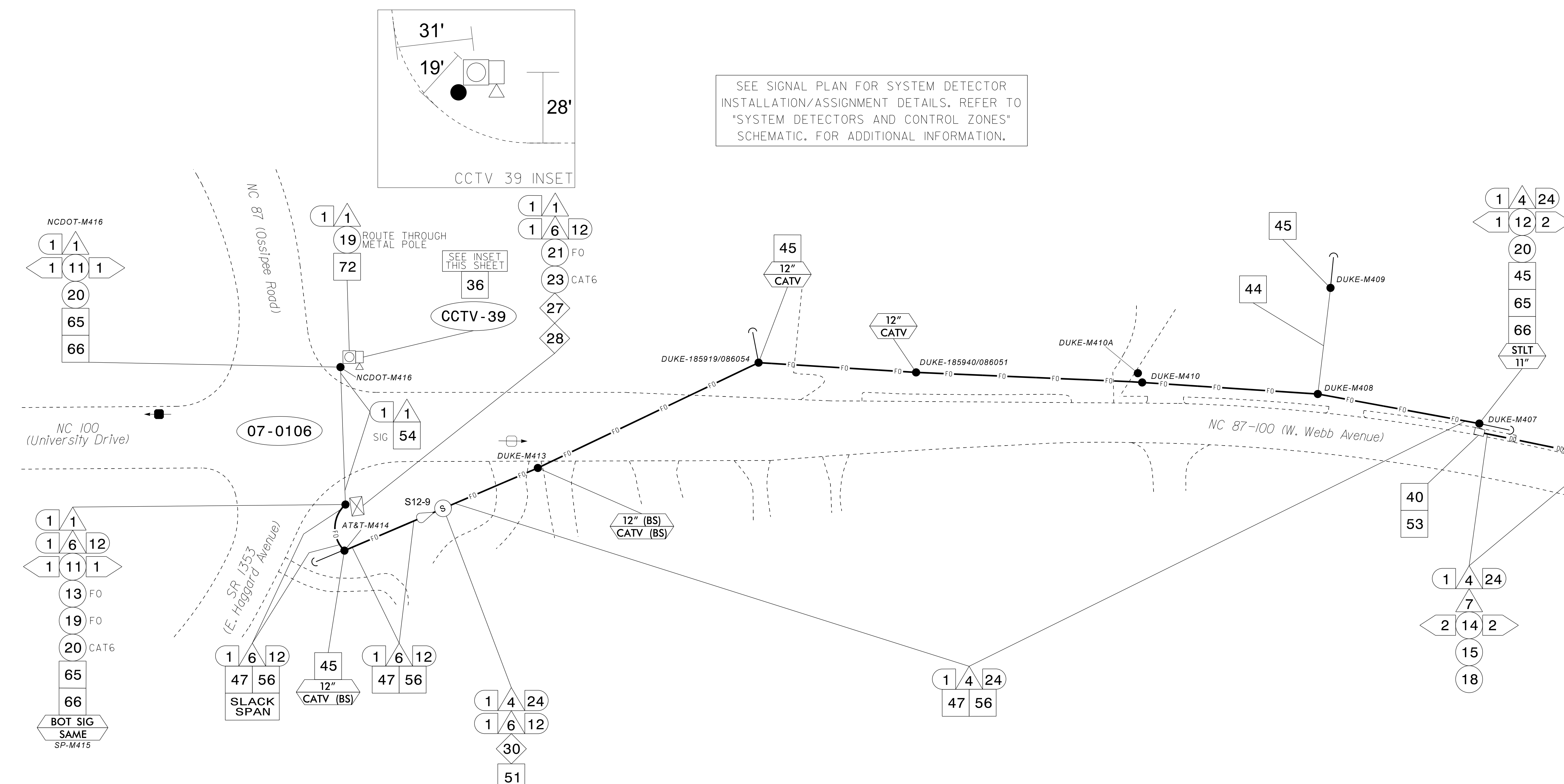
Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 PREPARED BY: AWE/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth
REVISIONS INIT. DATE

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOOTH 025892
DocuSigned by: Melissa B. Toth 6/13/2018
DATE: CADD Filename: CL-129.dgn

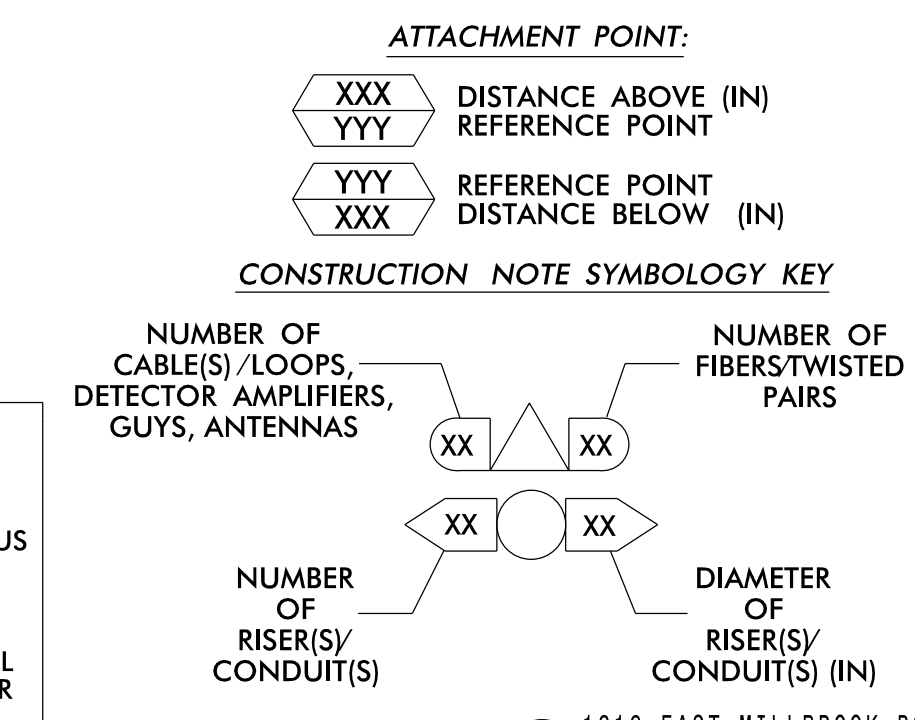
1	INSTALL CATEGORY 6 CABLE	11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	22	INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE)	32	MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER	43	REMOVE EXISTING WOOD POLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	66	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
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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.
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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

Prepared for the Offices of:

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018
PREPARED BY: AME/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth

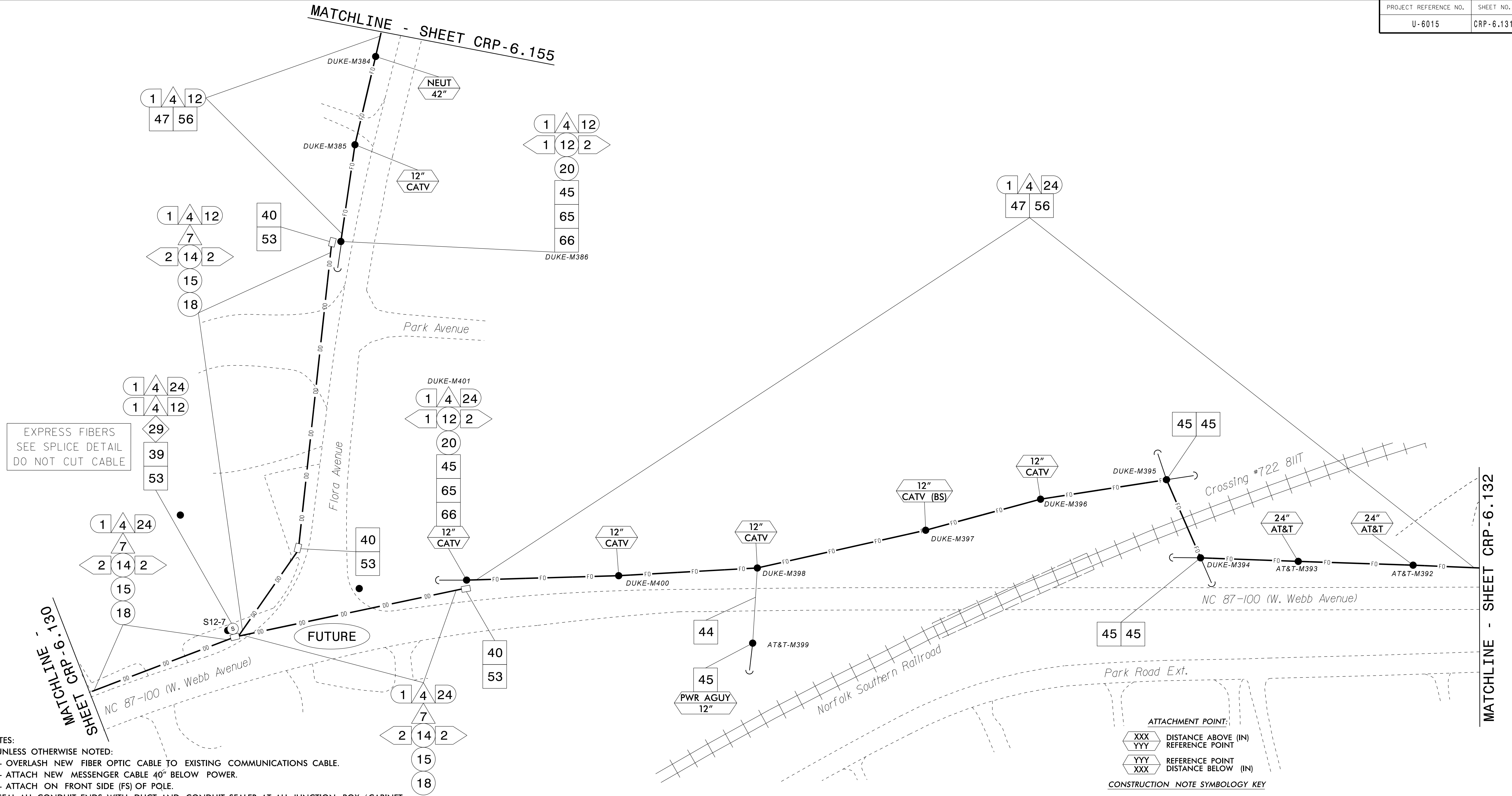
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SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

Melissa B. Toth 13/2018

CADD File name: CL-130.dgn

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ENC45396 AT LUS333048



EXPRESS FIBERS
SEE SPLICE DETAIL
DO NOT CUT CABLE

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MATCHLINE - SHEET CRP-6.130

MATCHLINE - SHEET CRP-6.132

ATTACHMENT POINT:

XXX
YYY DISTANCE ABOVE (IN)
REFERENCE POINT

YYY
XXX REFERENCE POINT
DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY

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

NUMBER OF FIBERS/TWISTED PAIRS

NUMBER OF RISER(S) / CONDUIT(S)

DIAMETER OF RISER(S) / CONDUIT(S) (IN)

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
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Prepared for the Offices of:

SEAL OF THE STATE OF NORTH CAROLINA

750 Greenfield Parkway, Garner, NC 27529

Burlington-Graham Signal System Cable Routing Plans		<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;"> NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH </div> <p>SEAL 025892 MELISSA B. TOTH</p> <p>DocuSigned by: Melissa B. Toth, 11/13/2018 DN:cn=Melissa.B.Toth</p> <p>DATE</p>
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	DATE

SEAL

SEAL OF THE STATE OF NORTH CAROLINA

PROFESSIONAL ENGINEER

MELISSA B. TOTH

SEAL 025892

DocuSigned by:
Melissa B. Toth, 11/13/2018
DN:cn=Melissa.B.Toth

DATE

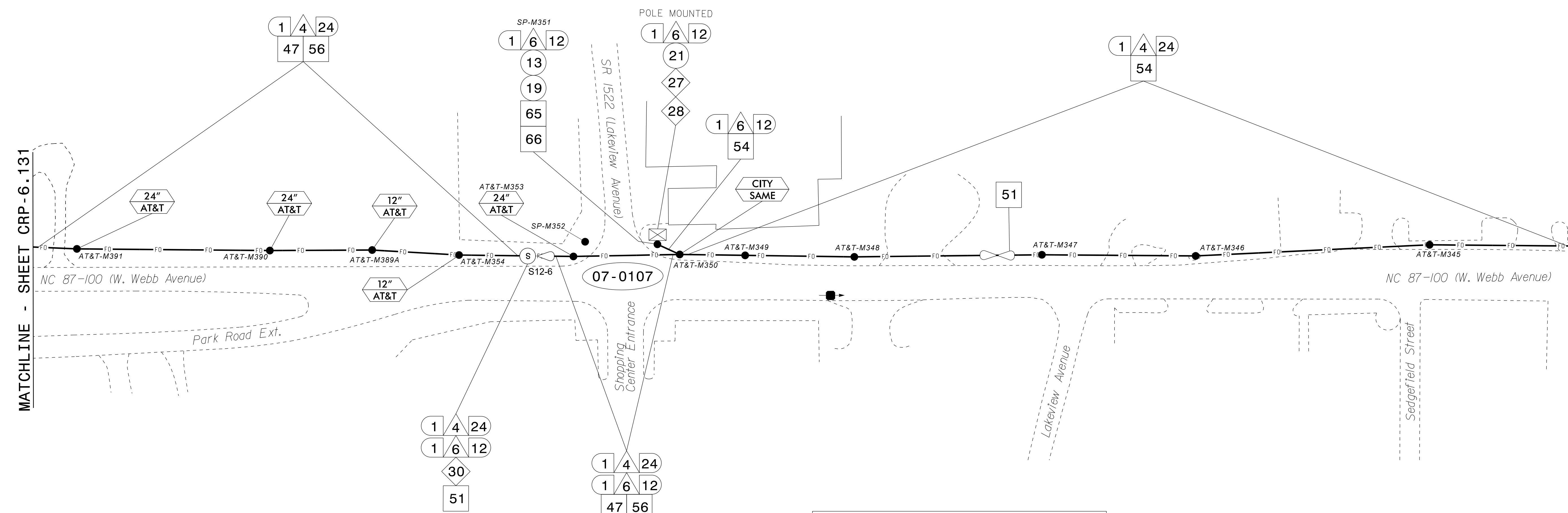
SCALE

0 50

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ENC45396 AT LUS333048



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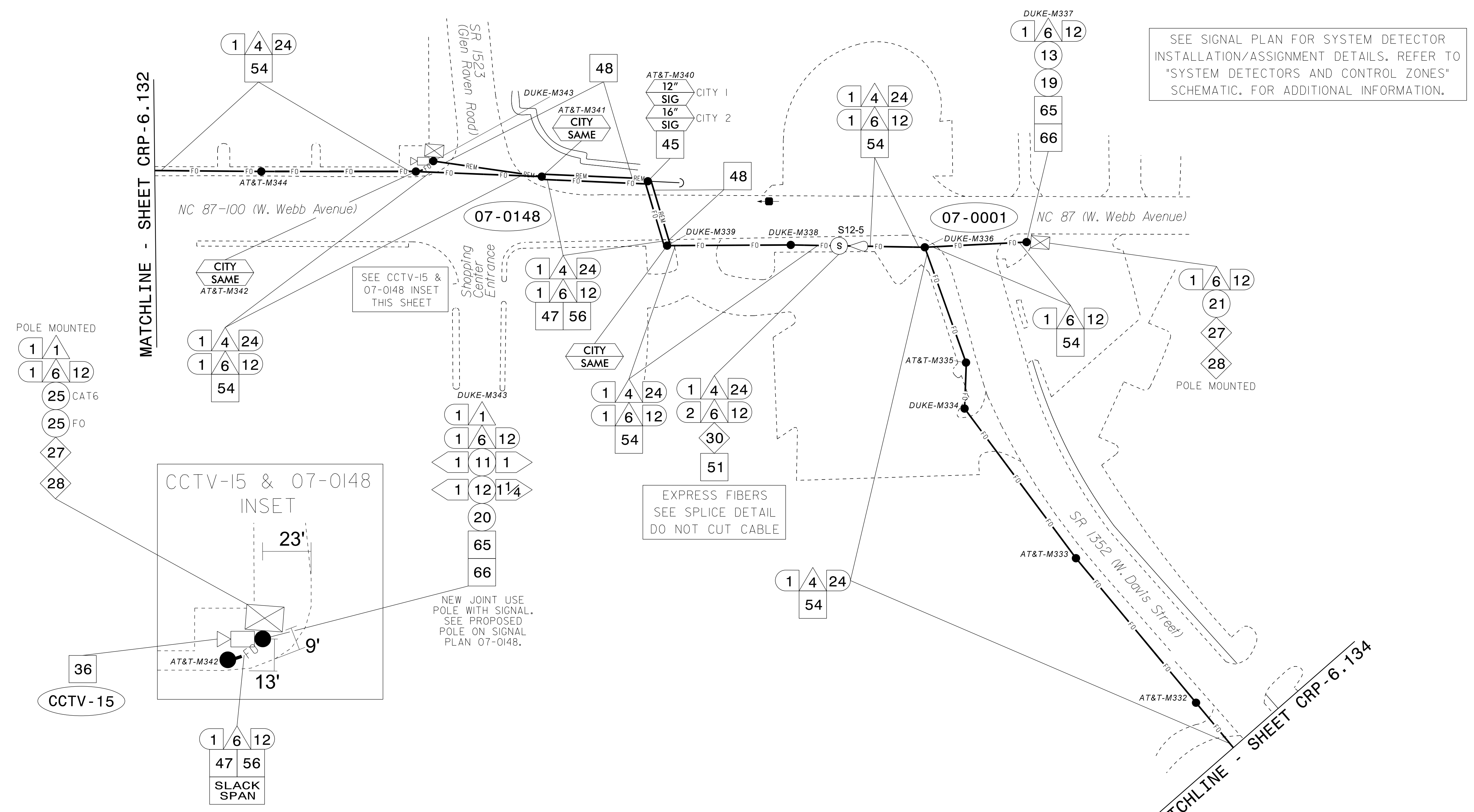
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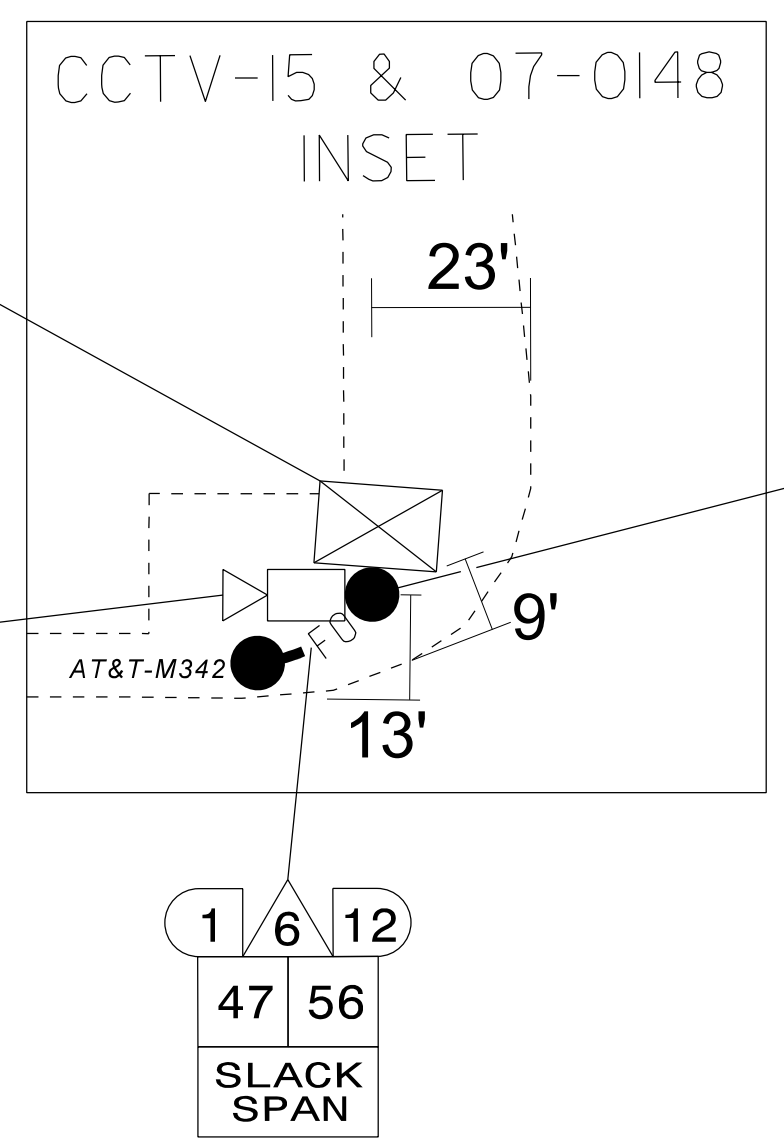
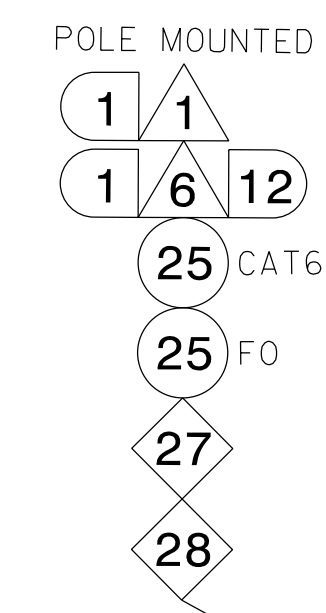
REVISIONS: INIT. DATE

Melissa B. Toth, 13/2018

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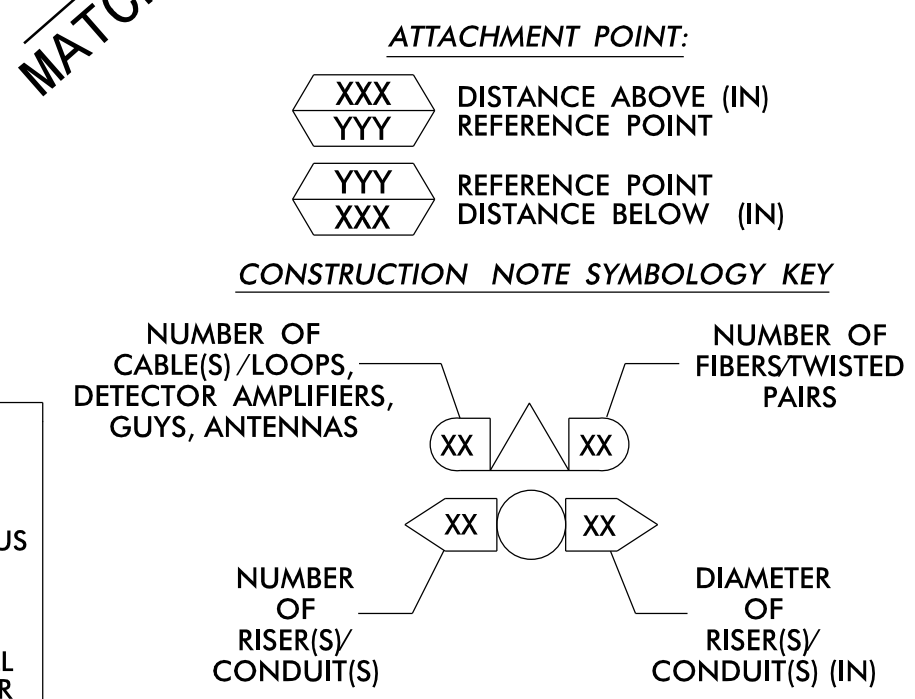


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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

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: AME/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

750 Greenfield Parkway, Garner, NC 27529

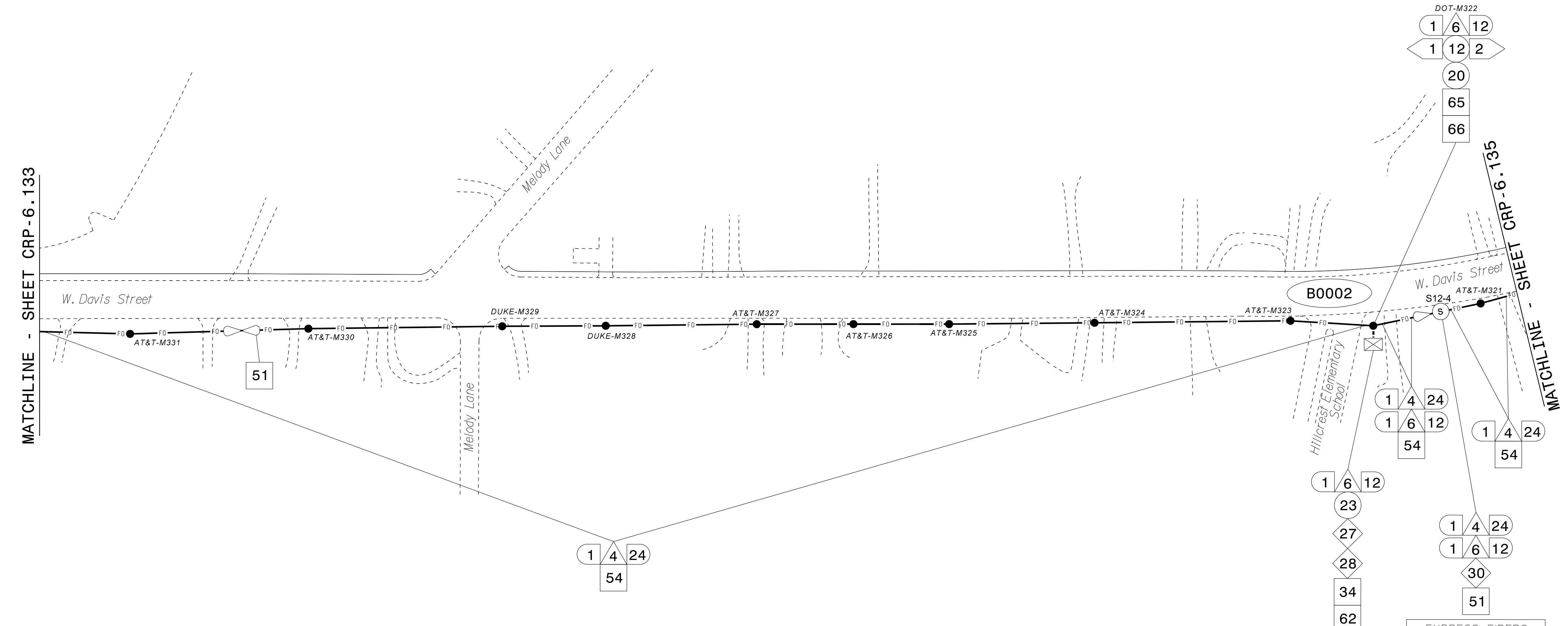
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SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

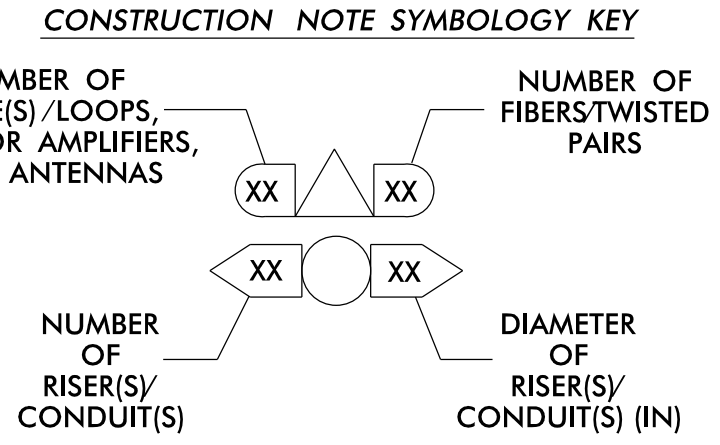
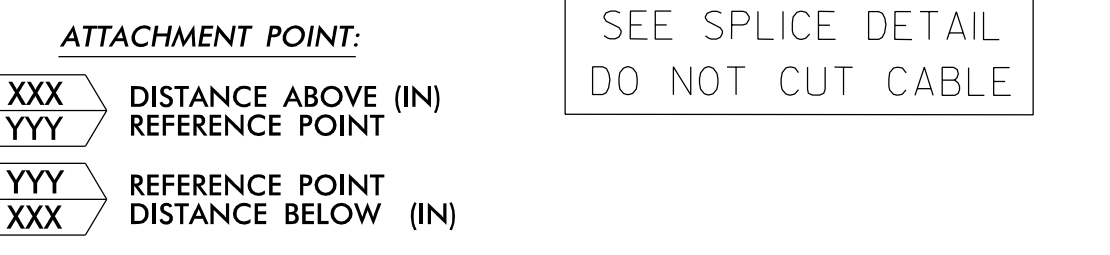
Melissa B. Toth 6/13/2018

CADD File name: CL-133.dgn

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EXPRESS FIBERS
SEE SPLICE DETAIL
DO NOT CUT CABLE

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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: 1"=50'

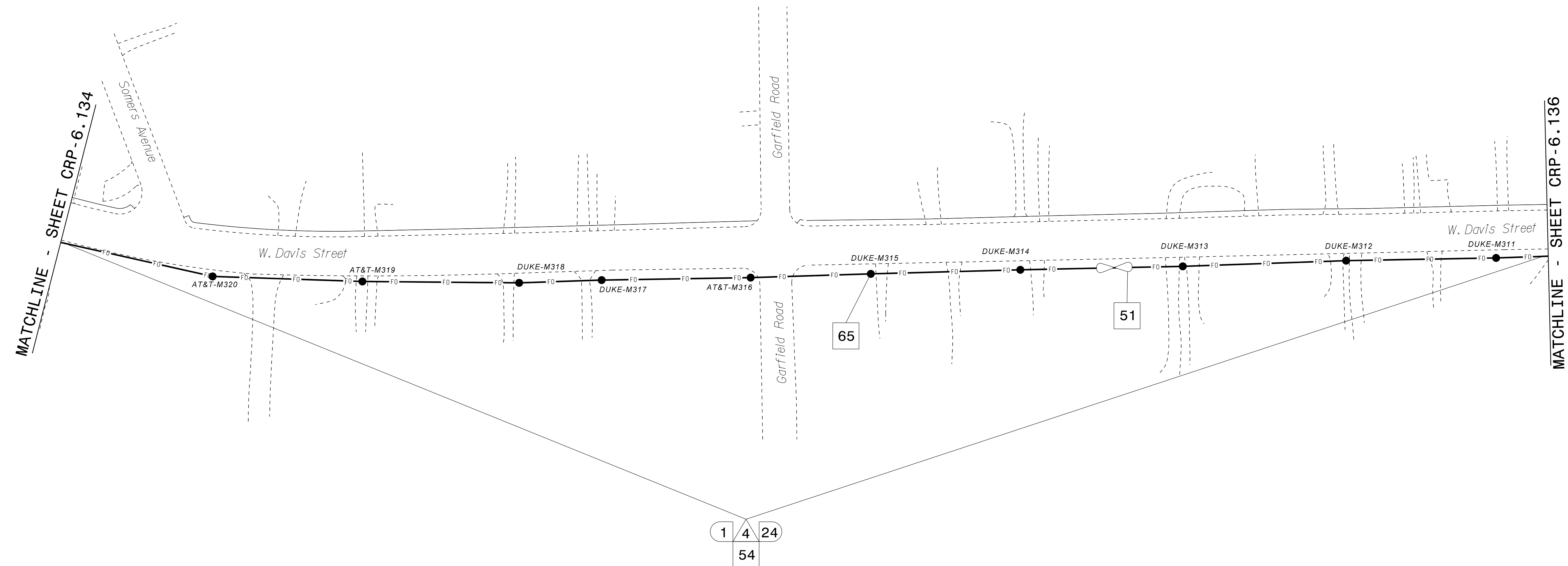
REVISIONS: INIT. DATE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOOTH 025892

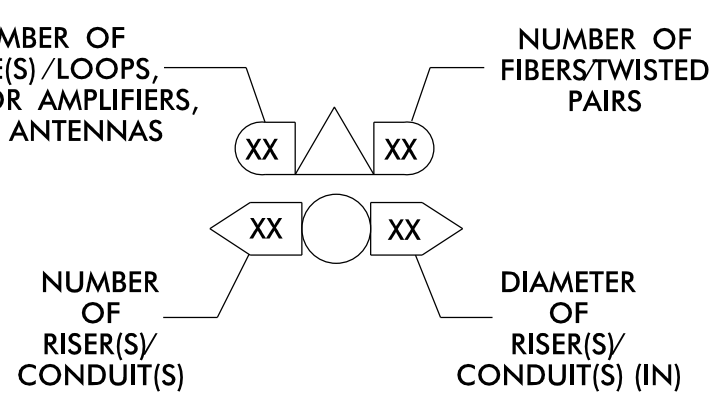
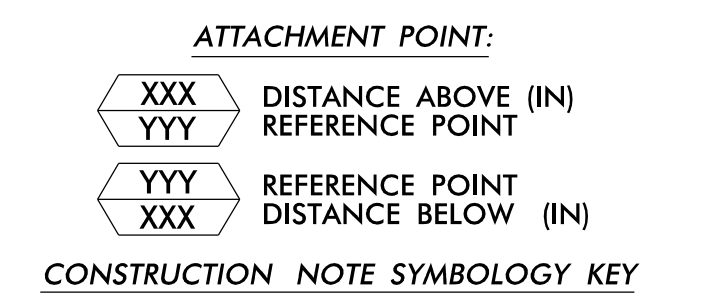
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RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEES #F-0326

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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: AME/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

REVISIONS INIT. DATE

SCALE 0 50 1"=50'

750 Greenfield Parkway, Garner, NC 27529

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

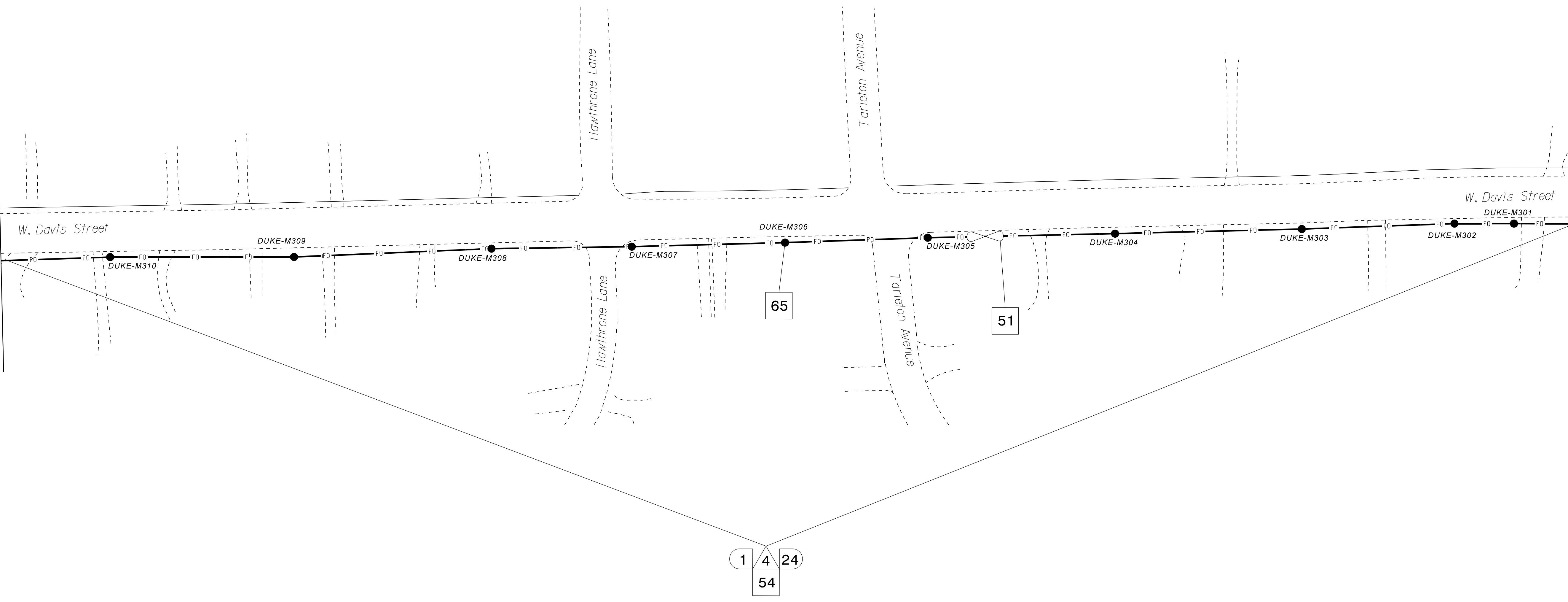
Melissa B. Toth 6/13/2018

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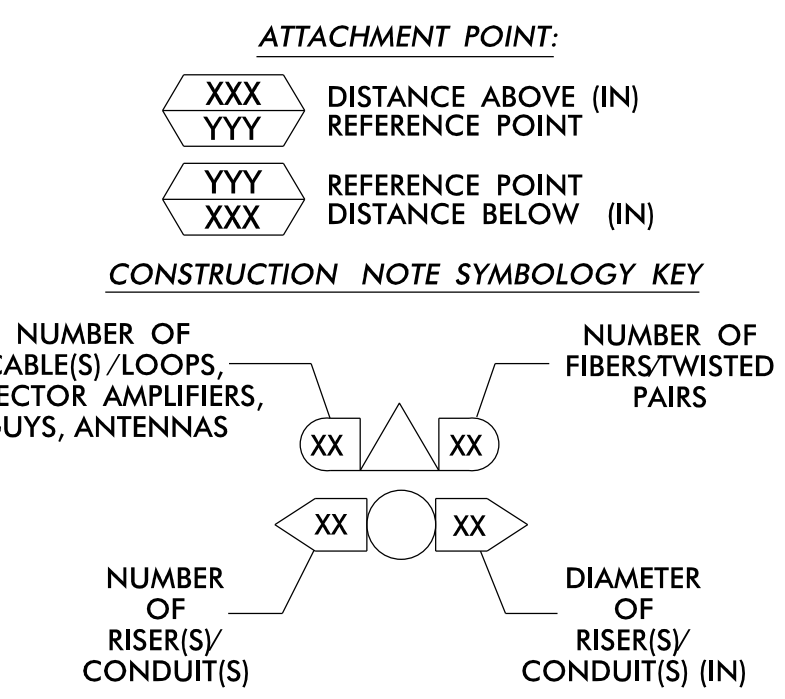
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MATCHLINE - SHEET CRP-6.138



NOTES:

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Prepared for the Offices of:

 Department of Transportation and Safety, State of North Carolina

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

REVISIONS INIT. DATE

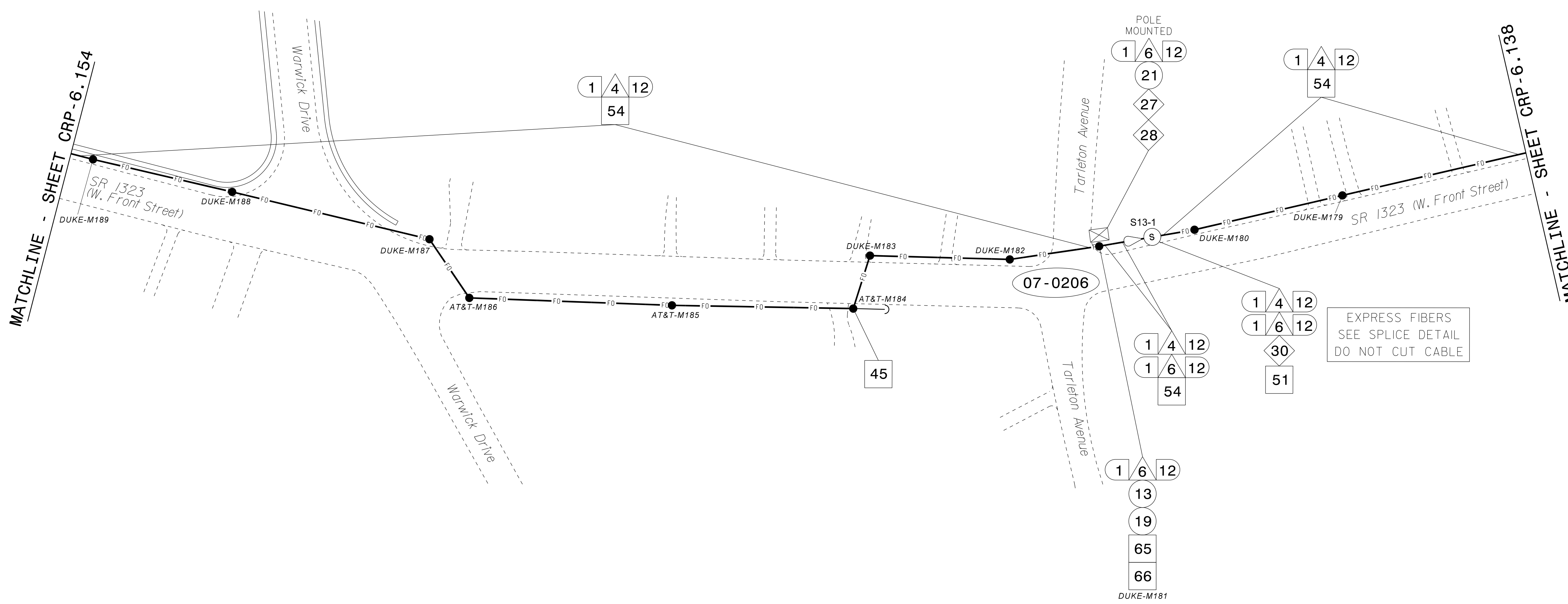
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SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 MELISSA B. TOTH
 025892
 MELISSA B. TOTH
 13/2018
 DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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ENC45396 AT LUS330048



NOTES:
1. UNLESS OTHERWISE NOTED:
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ATTACHMENT POINT:
XXX
YYY DISTANCE ABOVE (IN) REFERENCE POINT
YYY
XXX REFERENCE POINT DISTANCE BELOW (IN)
CONSTRUCTION NOTE SYMBOLOLOGY KEY

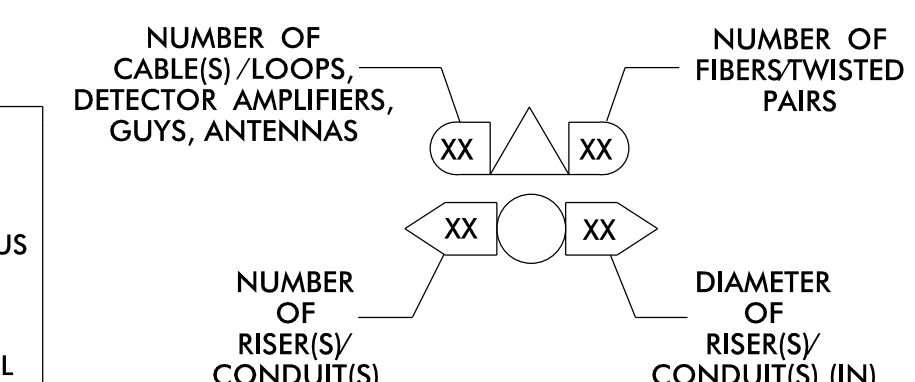
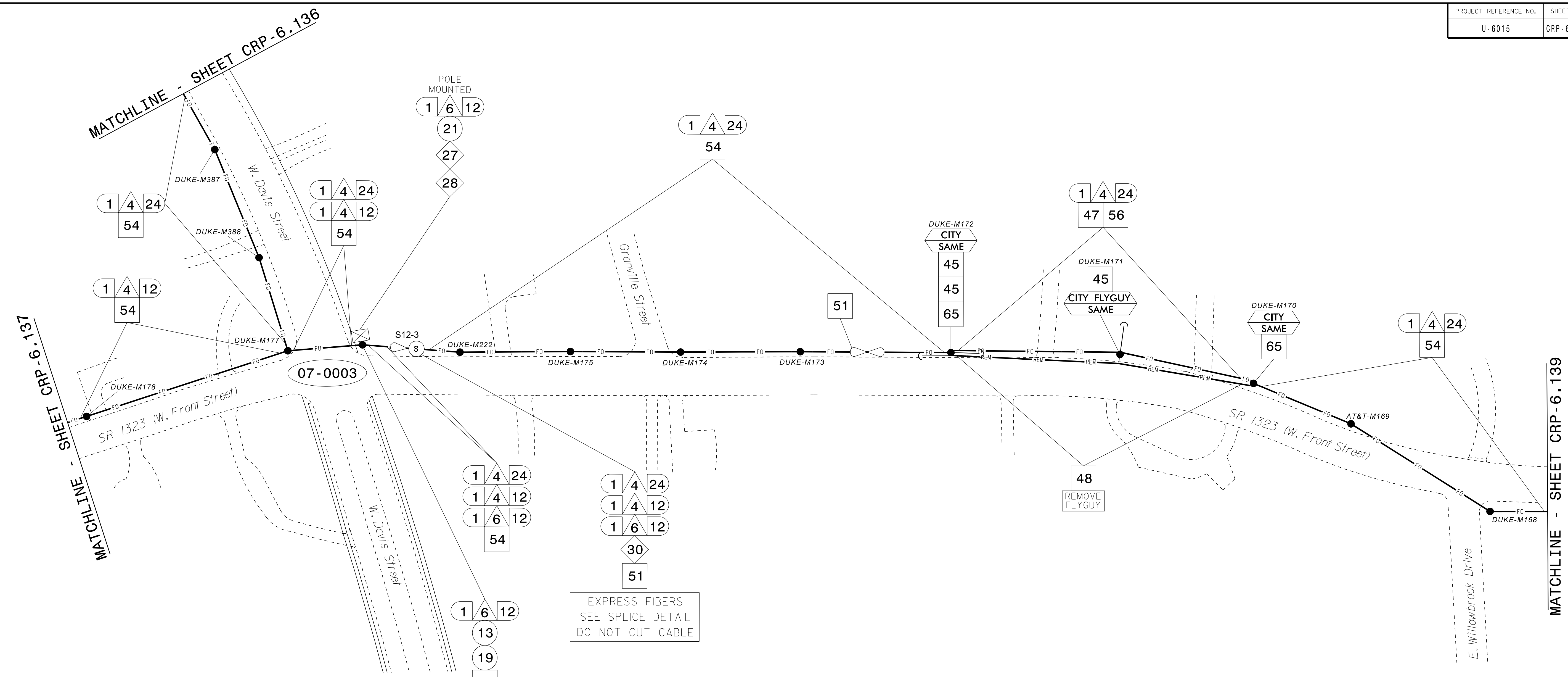


Table with 10 columns and 10 rows of construction notes, numbered 1 through 77, detailing various cable and equipment installation tasks.

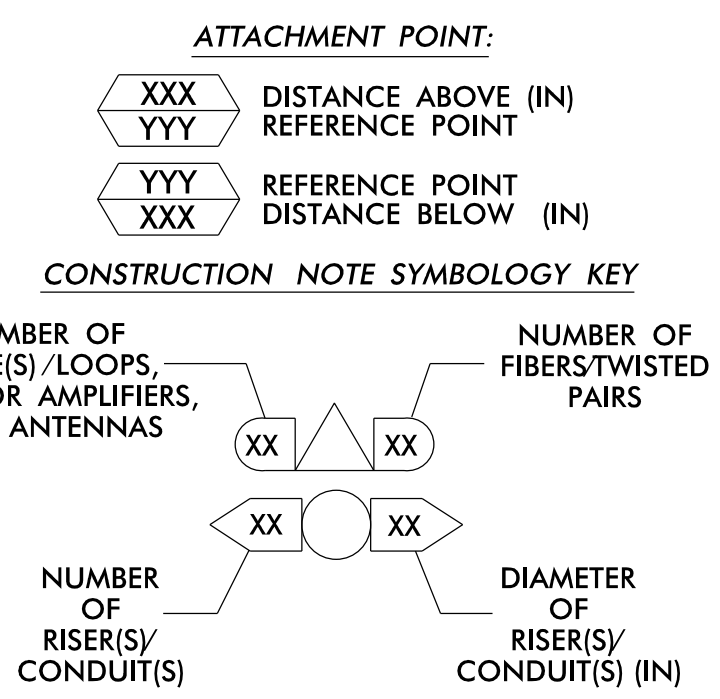
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ENC45386 AT LUS333048



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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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'

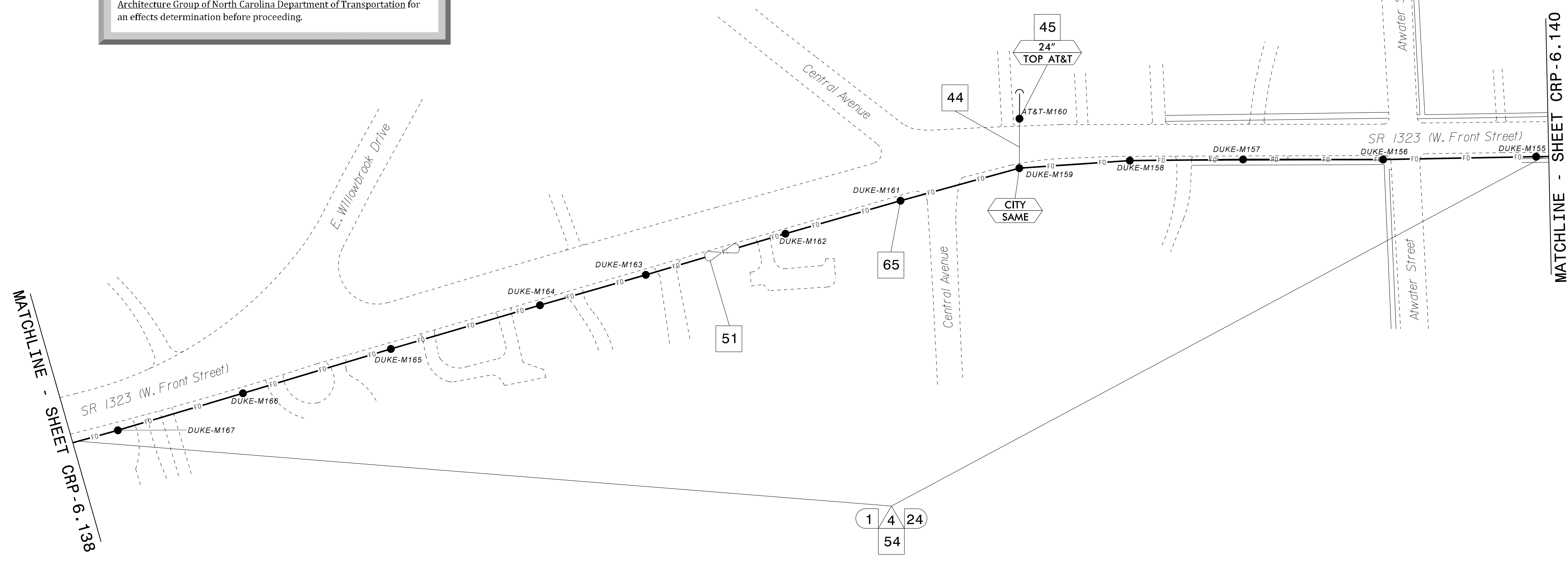
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH

DocuSigned by: 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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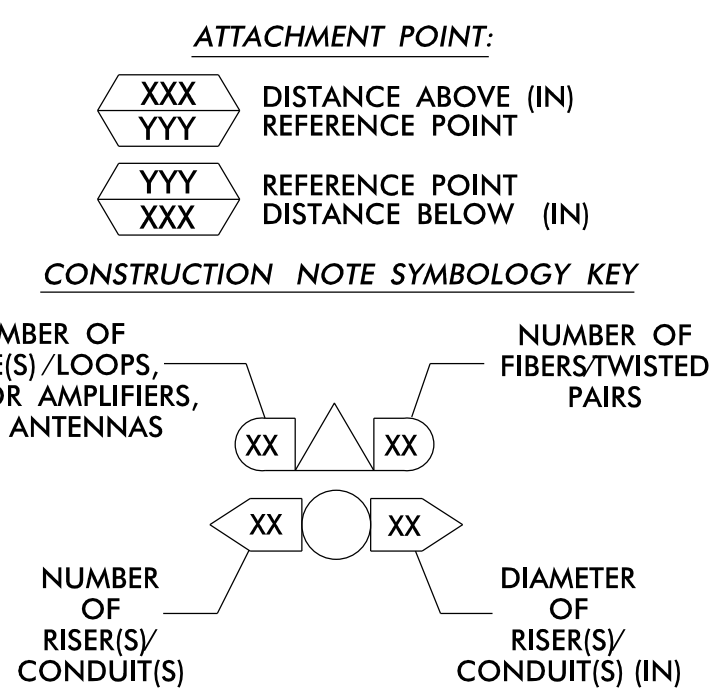
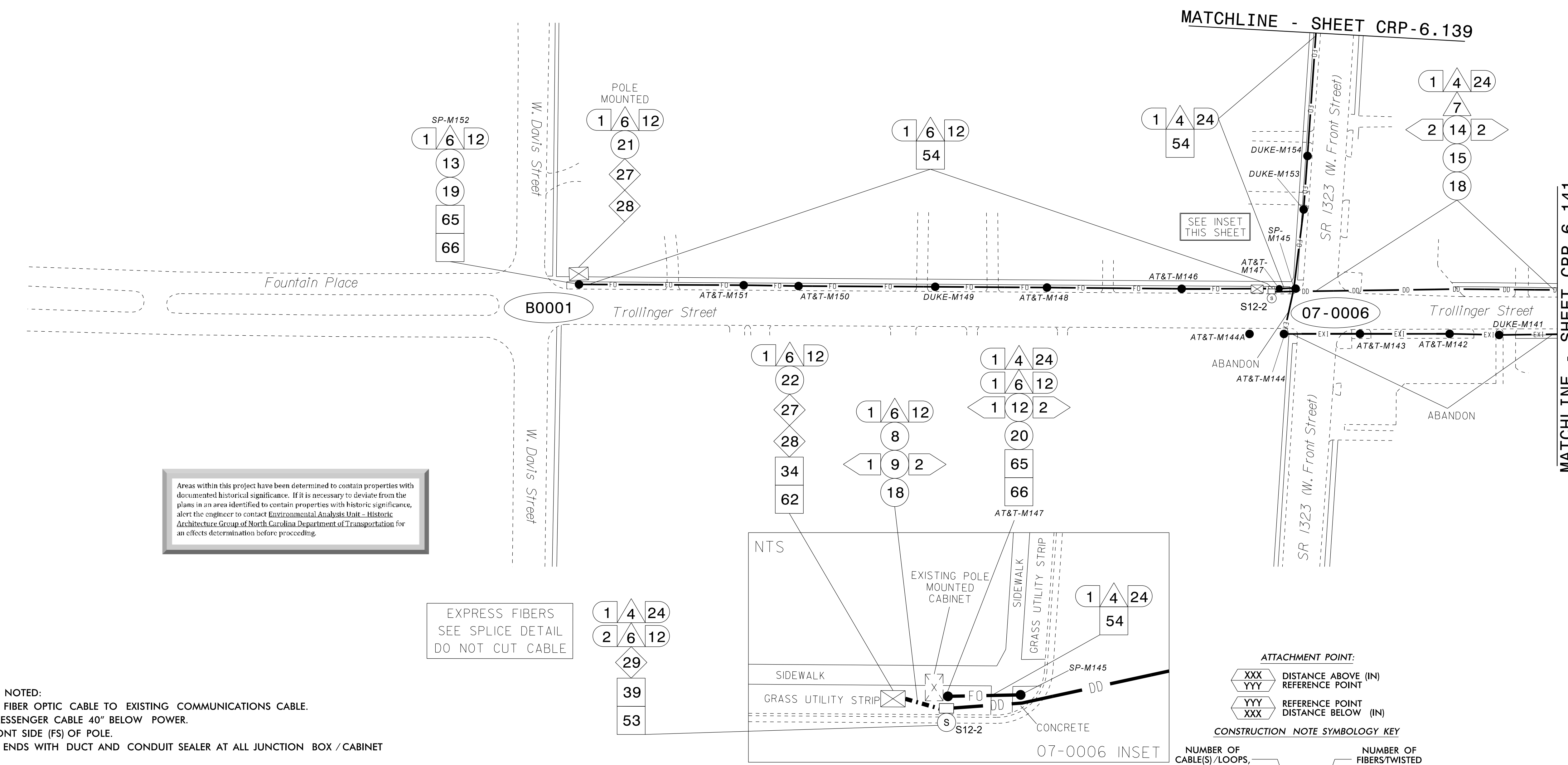


Table with 10 columns of construction notes, each with a numbered symbol (1-65) and a corresponding description of the work to be performed.

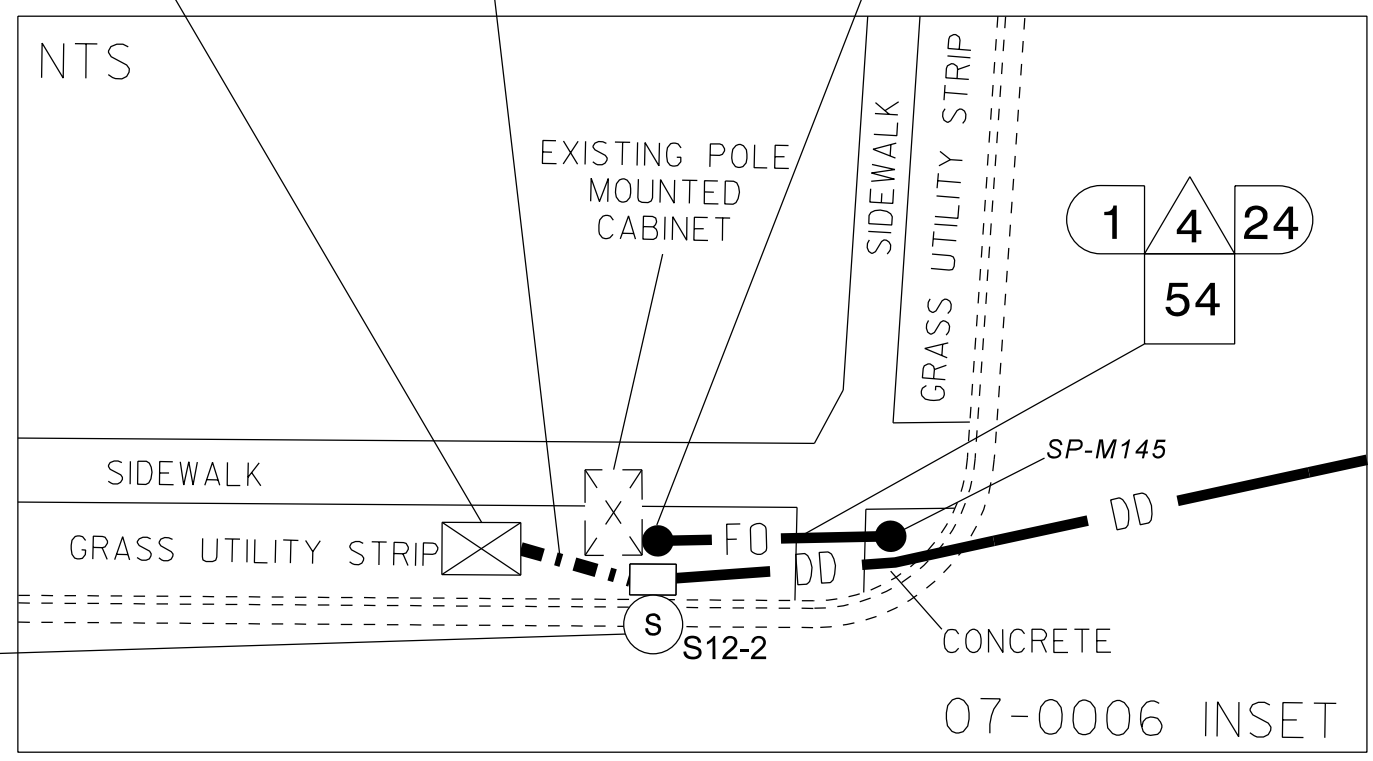
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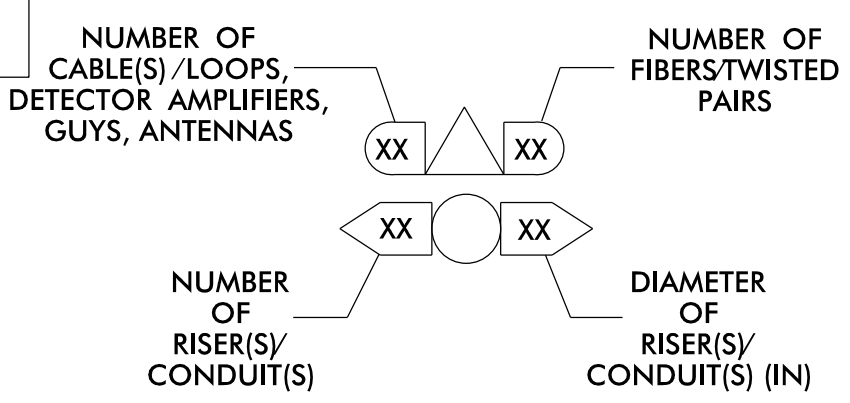


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EXPRESS FIBERS
SEE SPLICE DETAIL
DO NOT CUT CABLE



ATTACHMENT POINT:
 XXX DISTANCE ABOVE (IN) REFERENCE POINT
 YYY REFERENCE POINT DISTANCE BELOW (IN)
CONSTRUCTION NOTE SYMBOLOLOGY KEY



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Prepared for the Offices of:

 Department of Transportation and Safety, State of North Carolina

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

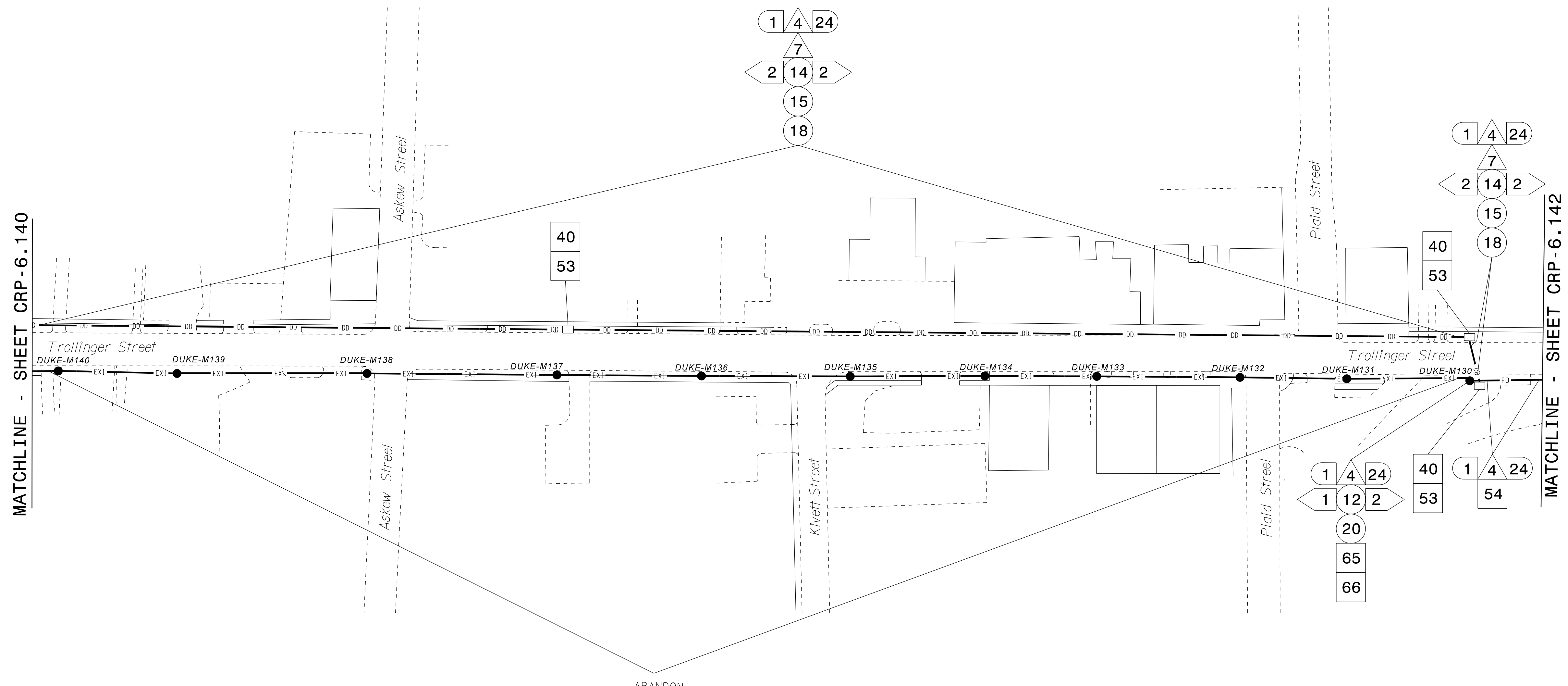
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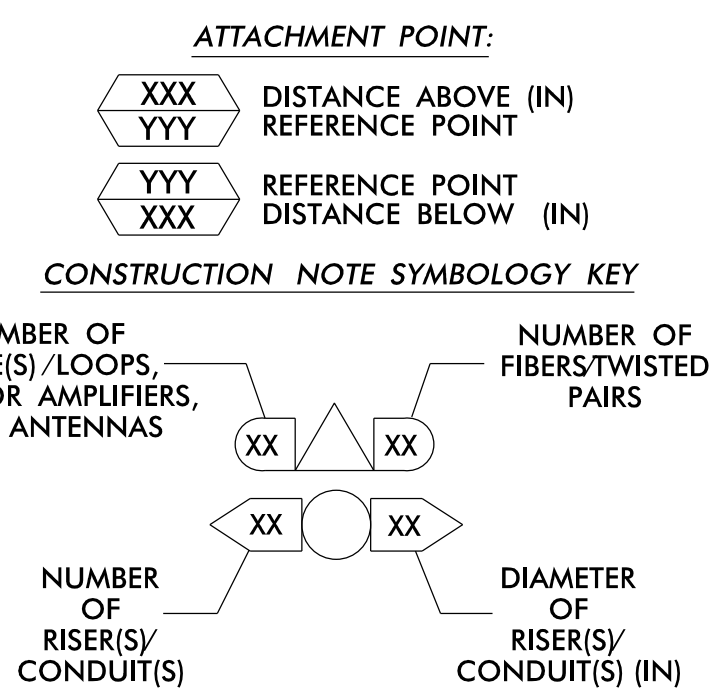
SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 MELISSA B. TOOTH
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 DocuSigned by:
 Melissa B. Toth 6/13/2018
 DATE

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Prepared for the Offices of:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 Transportation Systems Division

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

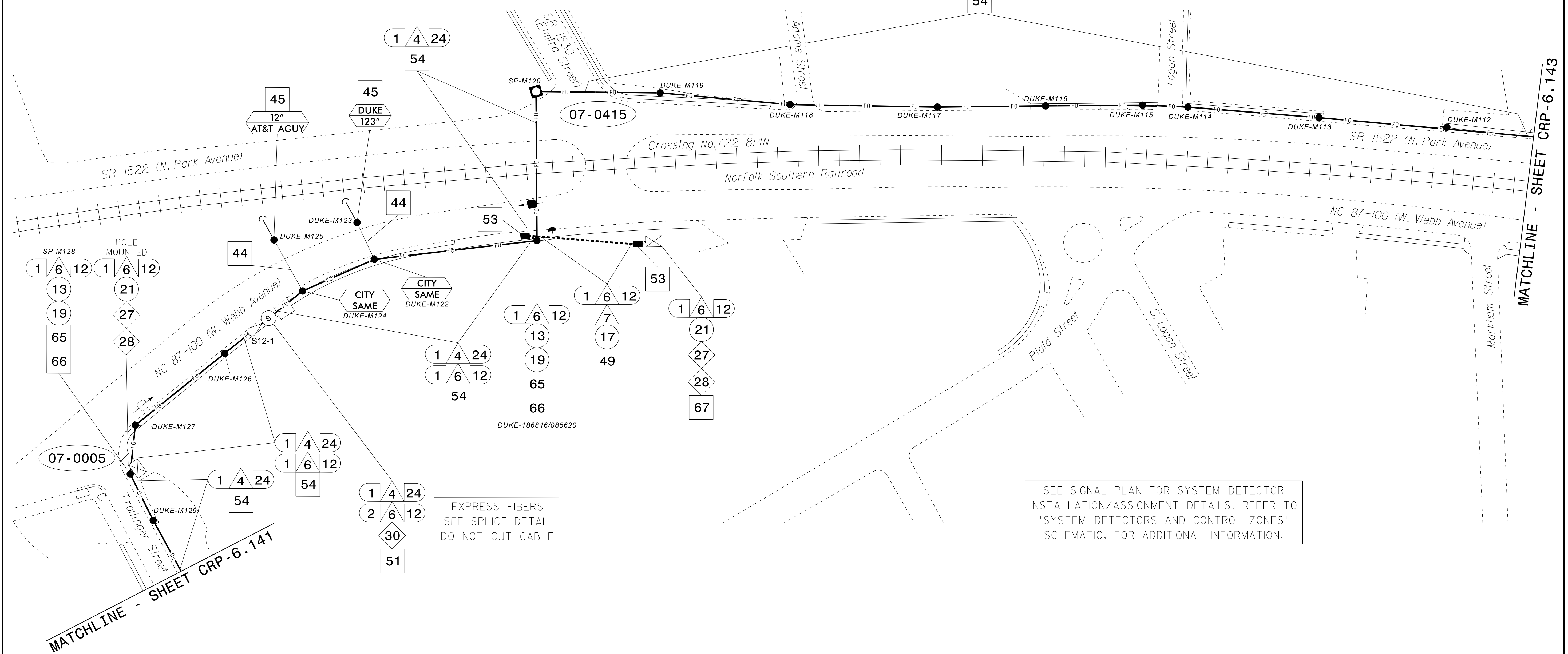
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 MELISSA B. 10TH
 025892
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MATCHLINE - SHEET CRP-6.143

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

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YYY REFERENCE POINT

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XXX DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY

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NUMBER OF FIBER TWISTED PAIRS: $\left\{ \begin{array}{c} \text{XX} \\ \text{XX} \end{array} \right\}$

NUMBER OF RISER(S) / CONDUIT(S): $\left\{ \begin{array}{c} \text{XX} \\ \text{XX} \end{array} \right\}$

DIAMETER OF RISER(S) / CONDUIT(S) (IN): $\left\{ \begin{array}{c} \text{XX} \\ \text{XX} \end{array} \right\}$

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750 Greenfield Parkway, Garner, NC 27529

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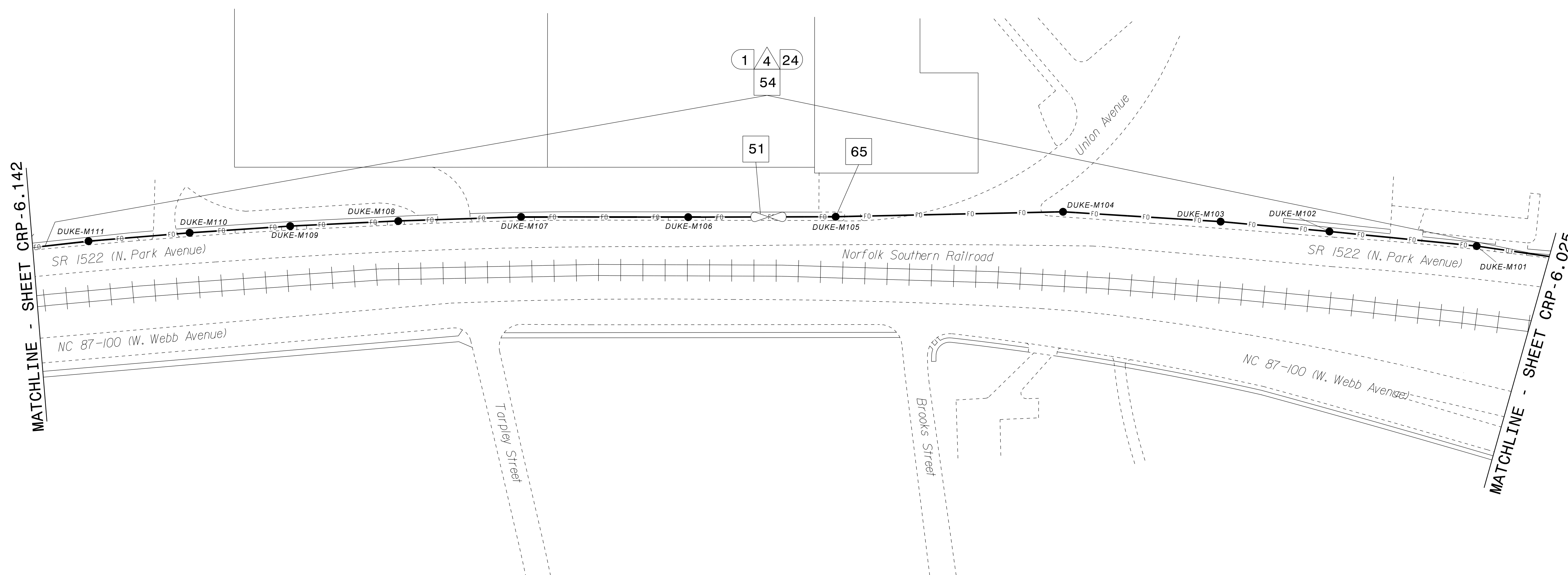
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 Date: 11/13/2018
 CADD File name: CL-142.dgn

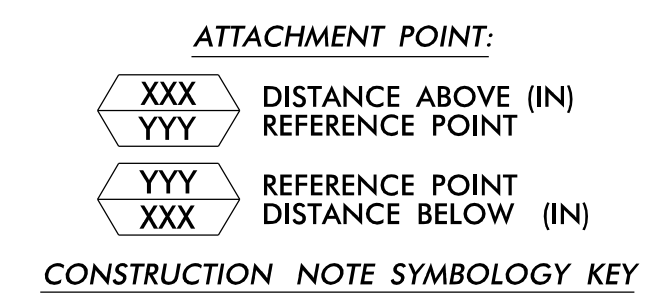
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 AT LUS333048



MATCHLINE - SHEET CRP-6.142

MATCHLINE - SHEET CRP-6.025

- NOTES:**
- 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.
 - 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
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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 SHOE(S)] AND STORE 100 FEET OF EACH CABLE	62	NEW CABINET ENTRANCE INTO NEW FOUNDATION	74	REMOVE WIRELESS COMMUNICATIONS EQUIPMENT
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						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) 876-6888 NCBEES #F-0326

Prepared for the Offices of:

 Department of Transportation and Safety

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

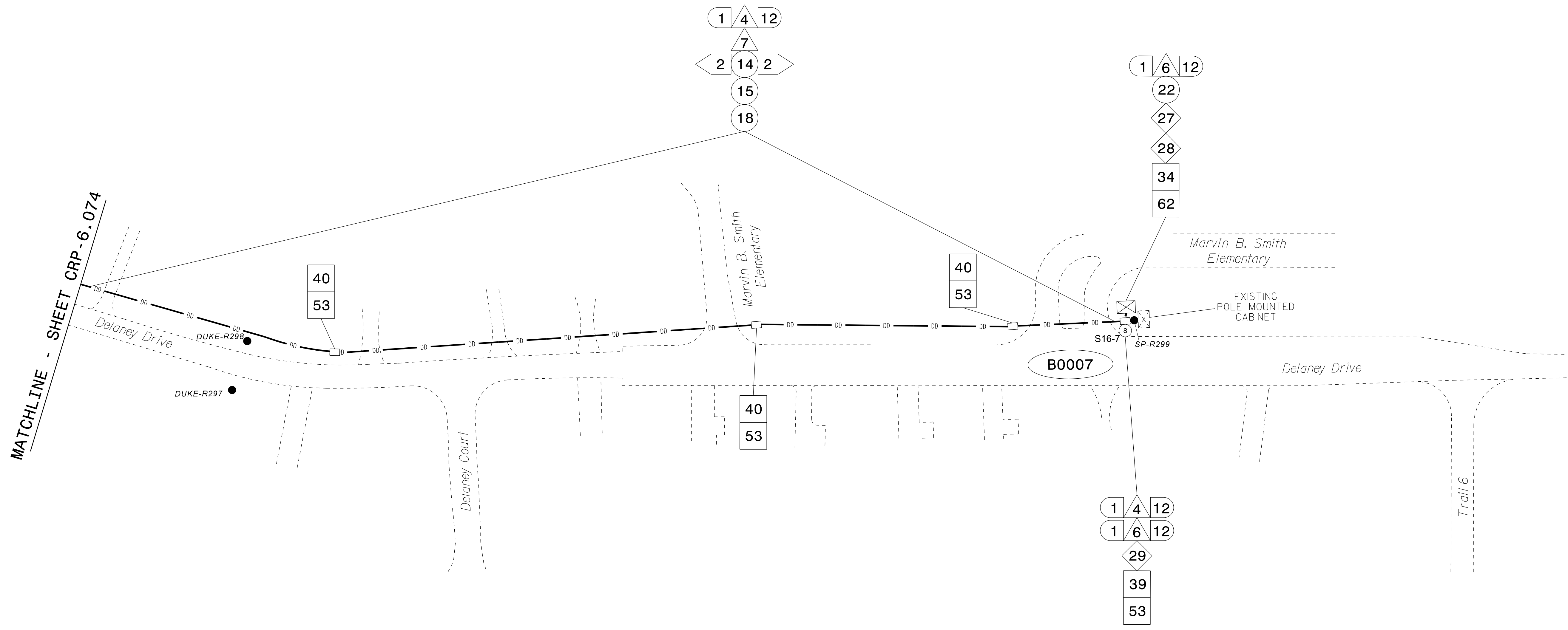
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DocuSigned by:

 Melissa B. Toth, 13/2018

CADD File name: CL-143.dgn

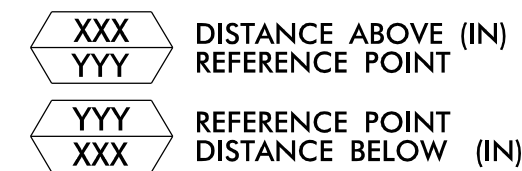
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ENC45396



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ATTACHMENT POINT:



CONSTRUCTION NOTE SYMBOLOLOGY KEY

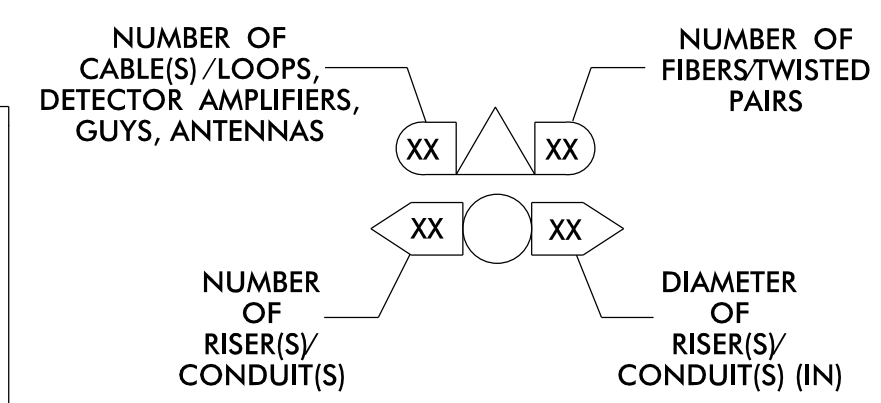


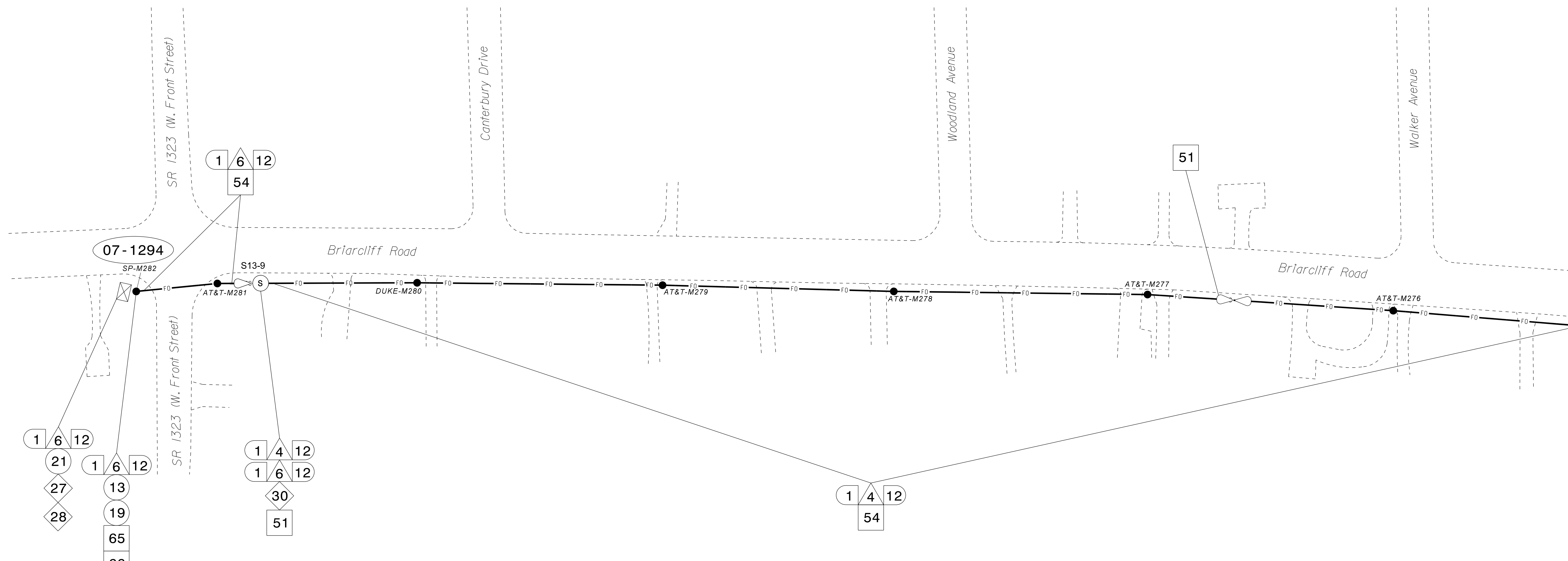
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

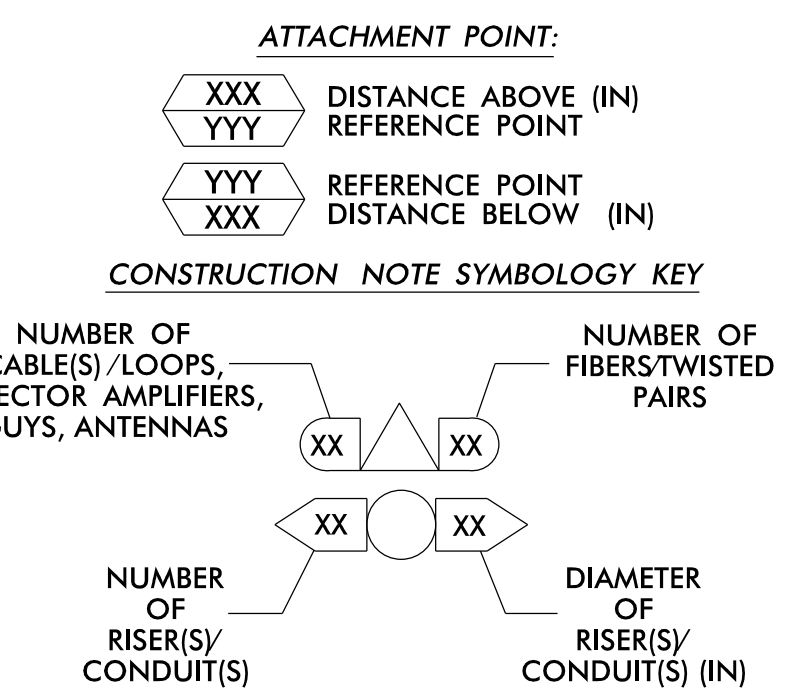
Project information block including: Prepared for the Offices of: (North Carolina Department of Transportation logo), Burlington-Graham Signal System Cable Routing Plans, Division 7 Alamance County Burlington & Graham, PLAN DATE: June 2018, REVIEWED BY: M B Toth, PREPARED BY: ANE/AJH/VJP/NAP/JAW, REVIEWED BY: BJ Slocum, SCALE: 1"=50', and a professional seal for Melissa B. Toth, Engineer, No. 025892.

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MATCHLINE - SHEET CRP-6.146

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ATKINS

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

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

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 025892

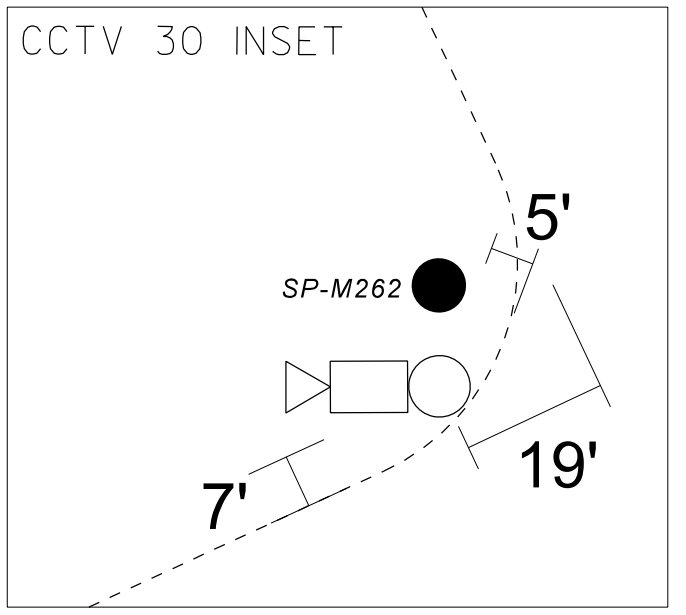
MELISSA B. TOTH

DocuSigned by: Melissa B. Toth 6/13/2018

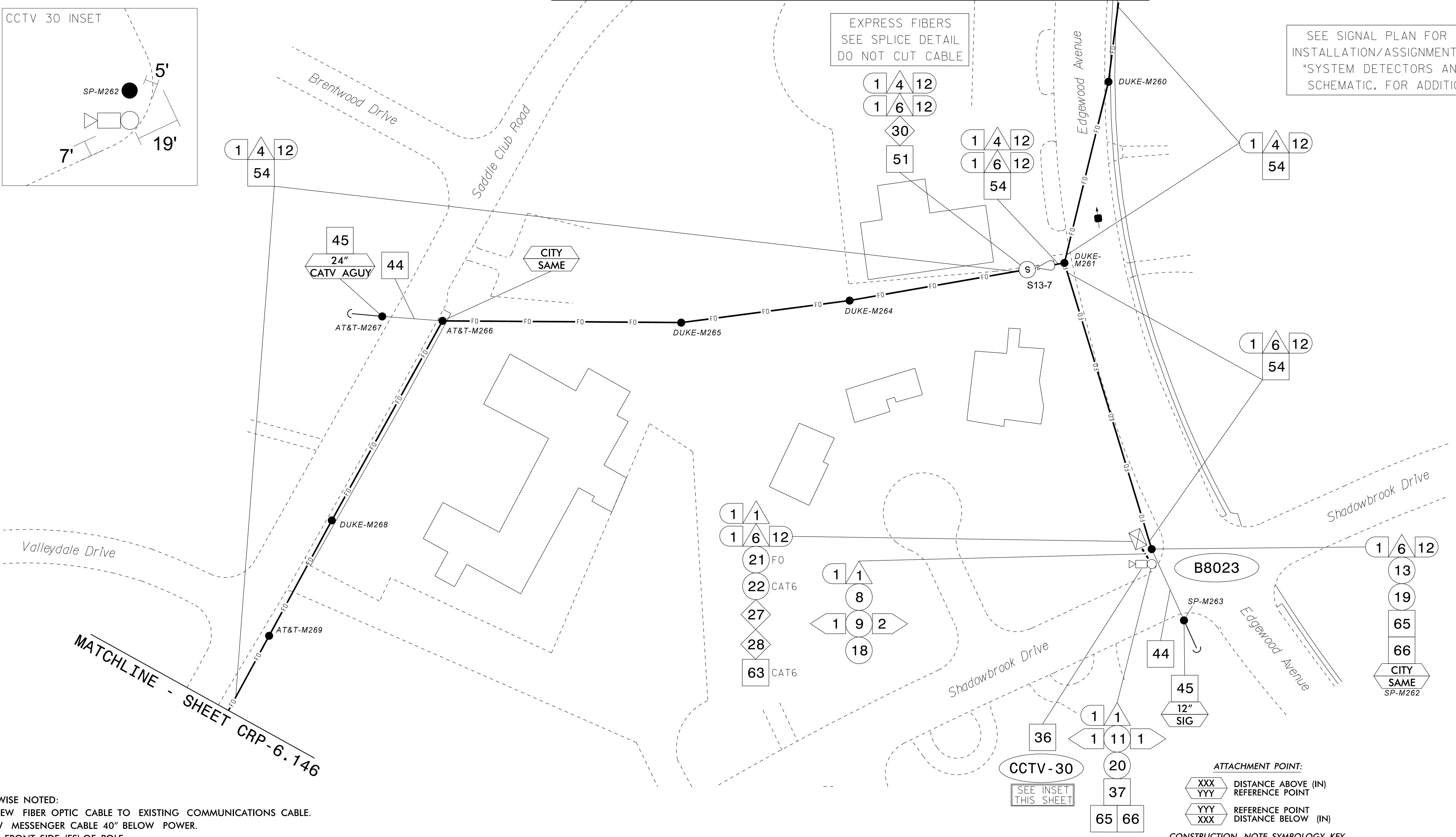
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MATCHLINE - SHEET CRP-6.148



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



NOTES:
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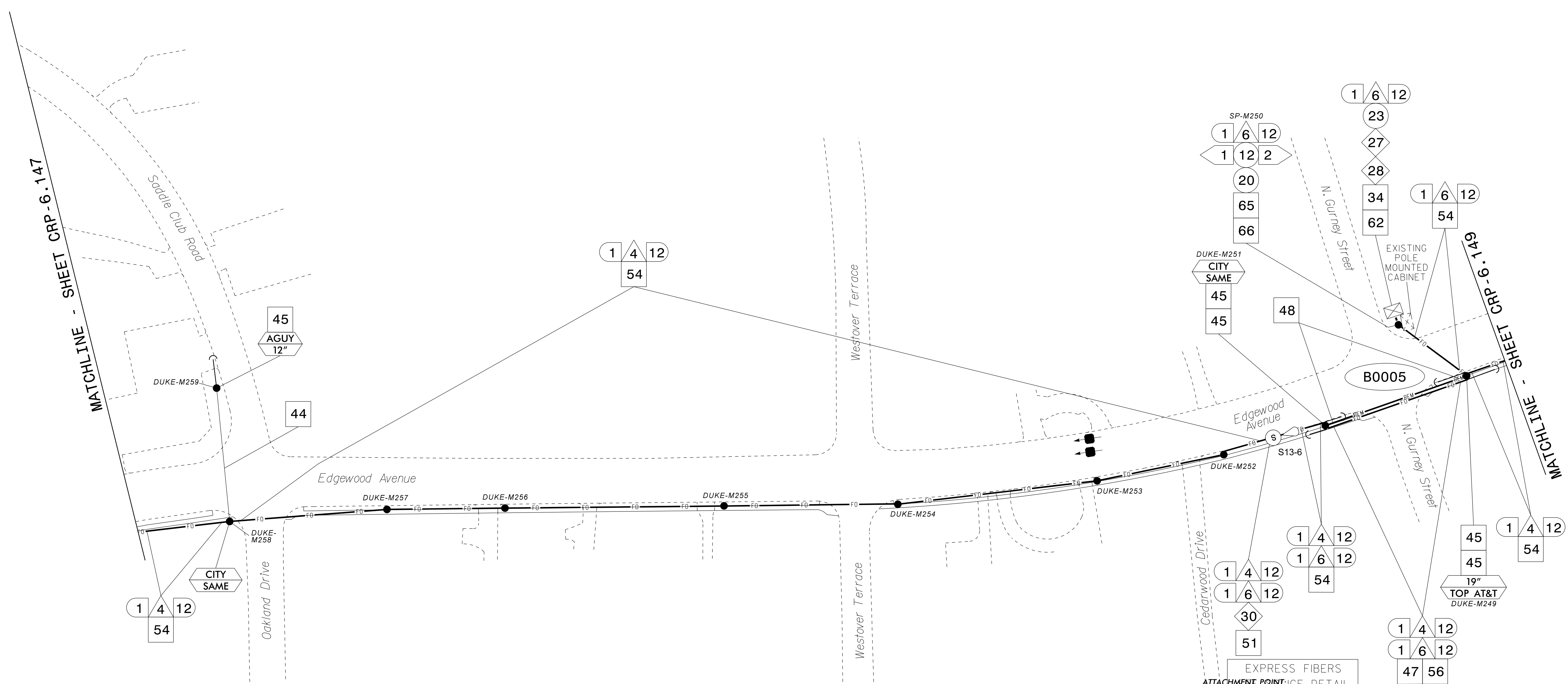
Legend table with 10 columns of symbols and their corresponding descriptions for cable installation, conduit, and equipment.

ATTACHMENT POINT:
XXX YYY DISTANCE ABOVE (IN) REFERENCE POINT
YYY XXX REFERENCE POINT DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLGY KEY
NUMBER OF CABLE(S) / LOOPS, DETECTOR, AMPLIFIERS, GUYS, ANTENNAS
NUMBER OF RISER(S) / CONDUIT(S)
DIAMETER OF RISER(S) / CONDUIT(S) (IN)
NUMBER OF FIBER TWISTED PAIRS

Project title block for "Burlington-Graham Signal System Cable Routing Plans", including company logo (ATKINS), project location (Alamance County, NC), dates (June 2018), and professional seals/signatures.

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EXPRESS FIBERS ATTACHMENT POINT DETAILED VIEW
XXX DISTANCE ABOVE (IN) CABLE REFERENCE POINT
YYY REFERENCE POINT DISTANCE BELOW (IN)
CONSTRUCTION NOTE SYMBOLOLOGY KEY

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
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ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326
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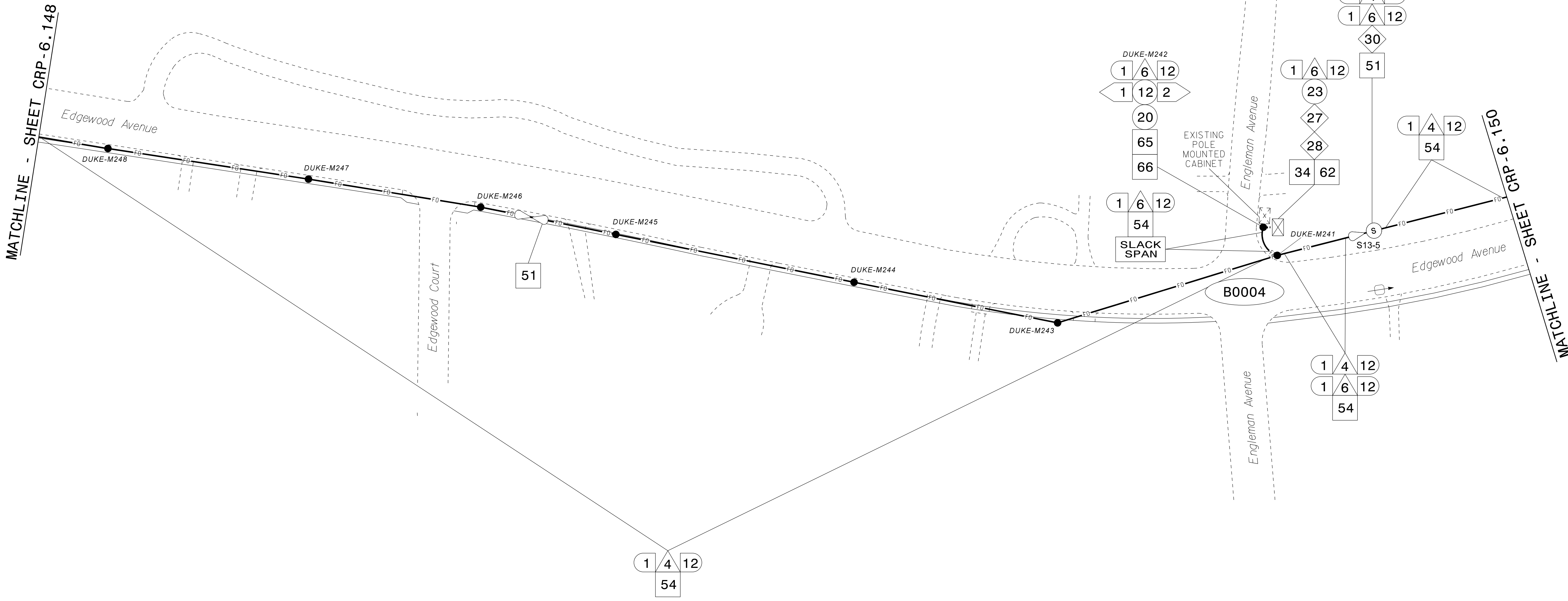
Burlington-Graham Signal System Cable Routing Plans
Division 7 Alamance County Burlington & Graham
PLAN DATE: June 2018 REVIEWED BY: M B Toth
PREPARED BY: AWE/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum
750 Greenfield Parkway, Garner, NC 27529
SCALE 0 50 1"=50'
Melissa B. Toth 6/13/2018

13-JUN-2018 15:45
01-10-2018 10:10:00
ENC45386 AT LUS330048
11...L...148.dgn

EXPRESS FIBERS
SEE SPLICE DETAIL
DO NOT CUT CABLE

MATCHLINE - SHEET CRP-6.148

SHEET CRP-6.150



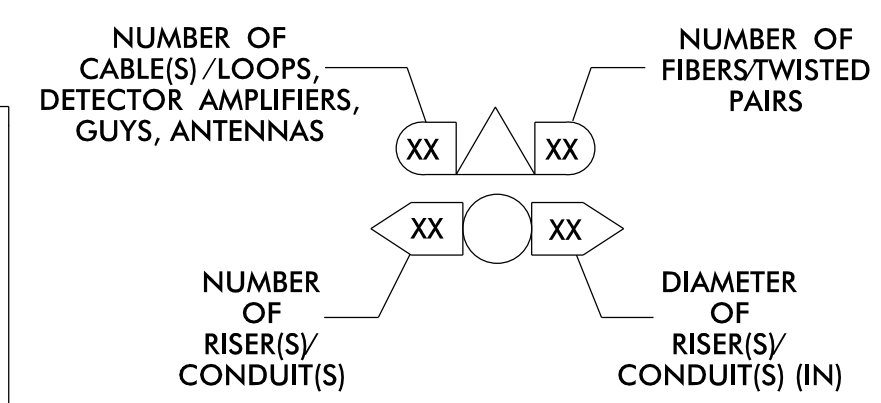
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YYY DISTANCE ABOVE (IN)
REFERENCE POINT

YYY
XXX REFERENCE POINT
DISTANCE BELOW (IN)

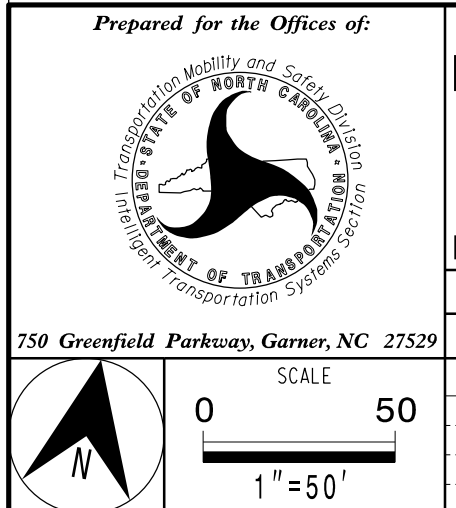
CONSTRUCTION NOTE SYMBOLGY KEY



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

DOCUMENT NOT CONSIDERED FINAL
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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 SHOE(S)] AND STORE 100 FEET OF EACH CABLE	62 NEW CABINET ENTRANCE INTO NEW FOUNDATION	74 REMOVE WIRELESS COMMUNICATIONS EQUIPMENT
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			42 INSTALL WOOD POLE	53 STORE 30' OF COMMUNICATIONS CABLE (EACH CABLE)	64 INTERCEPT AND REROUTE EXISTING CONDUITS	76 INSTALL 2.4 GHZ RADIO AND PANEL ANTENNA
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Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

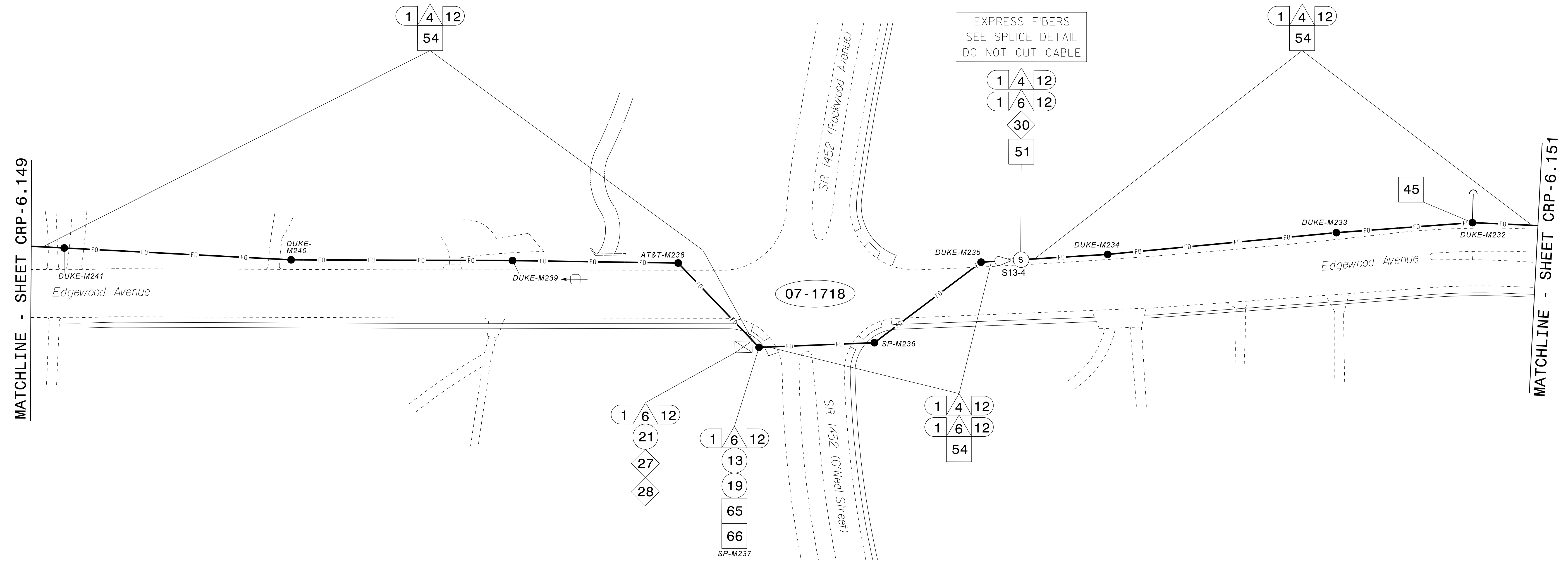
PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
MELISSA B. TOTH
025892
13/2018
DATE

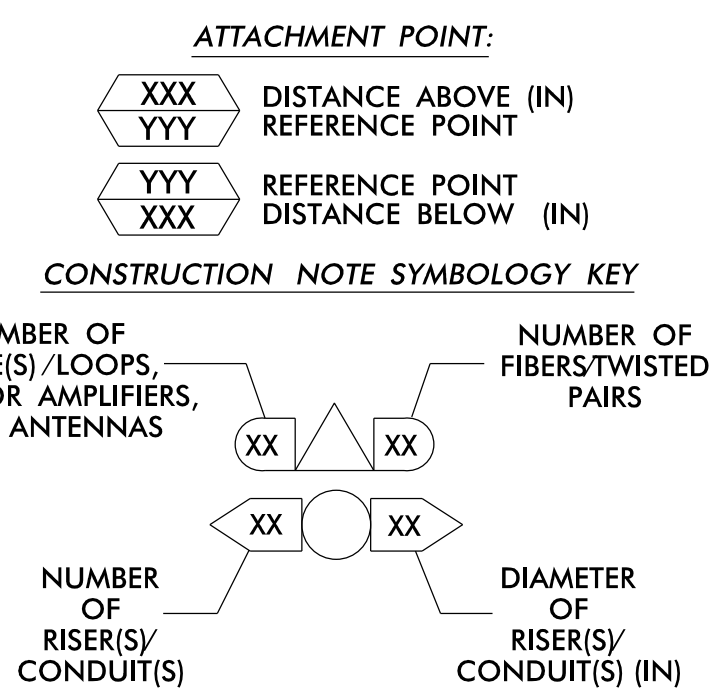
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MATCHLINE - SHEET CRP-6.149

MATCHLINE - SHEET CRP-6.151

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

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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: AME/AJH/VJP/NAP/JAW REVIEWED BY: BJ Slocum

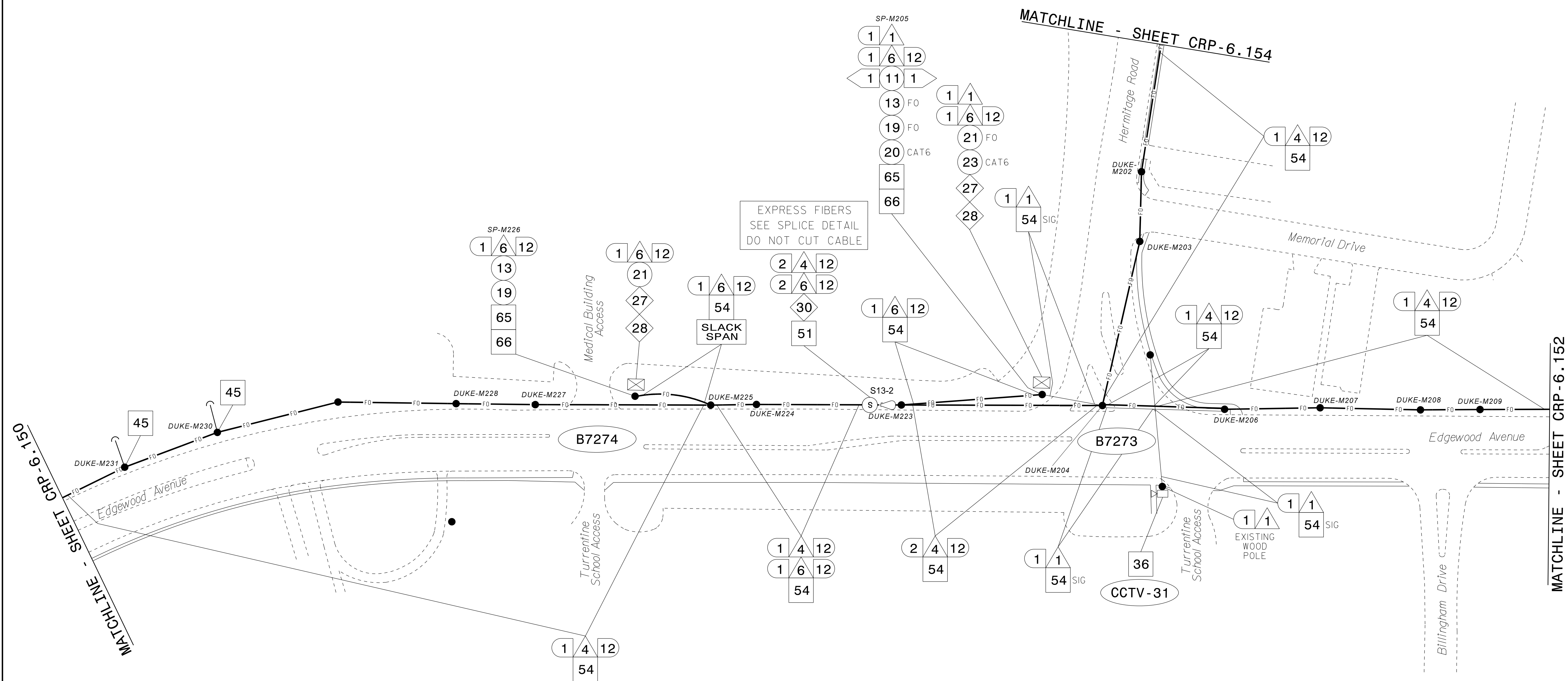
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SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOTH 025892

DocuSigned by: Melissa B. Toth 6/13/2018

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

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Prepared for the Offices of:

 UNIVERSITY OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 Transportation Systems Division

Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 REVIEWED BY: M B Toth

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

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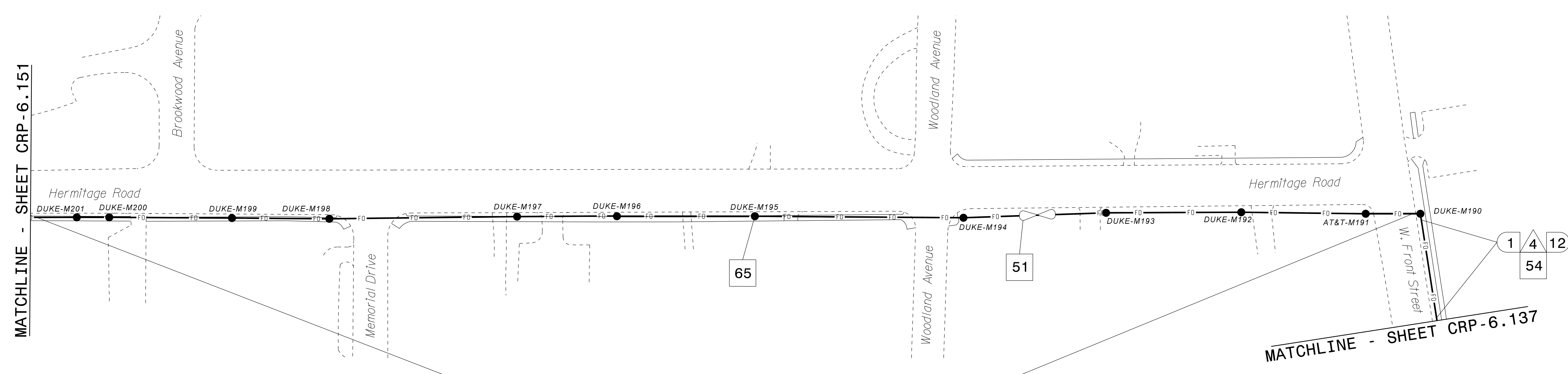
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750 Greenfield Parkway, Garner, NC 27529

DocuSign by: Melissa B. Toth 6/13/2018

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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 PREPARED BY: ANE/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth

750 Greenfield Parkway, Garner, NC 27529

SCALE: 0 50 1"=50'

REVISIONS: INIT. DATE

Melissa B. Toth 1/13/2018

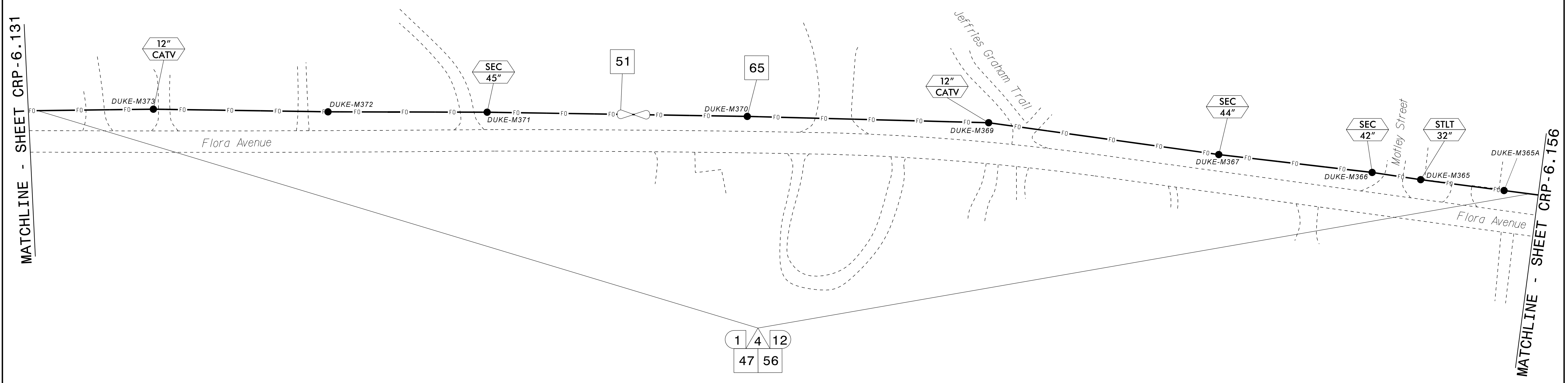
DocuSign by: MELISSA B. TOTH

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MATCHLINE - SHEET CRP-6.131

MATCHLINE - SHEET CRP-6.156



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REVISIONS INIT. DATE

SCALE 0 50 1"=50'

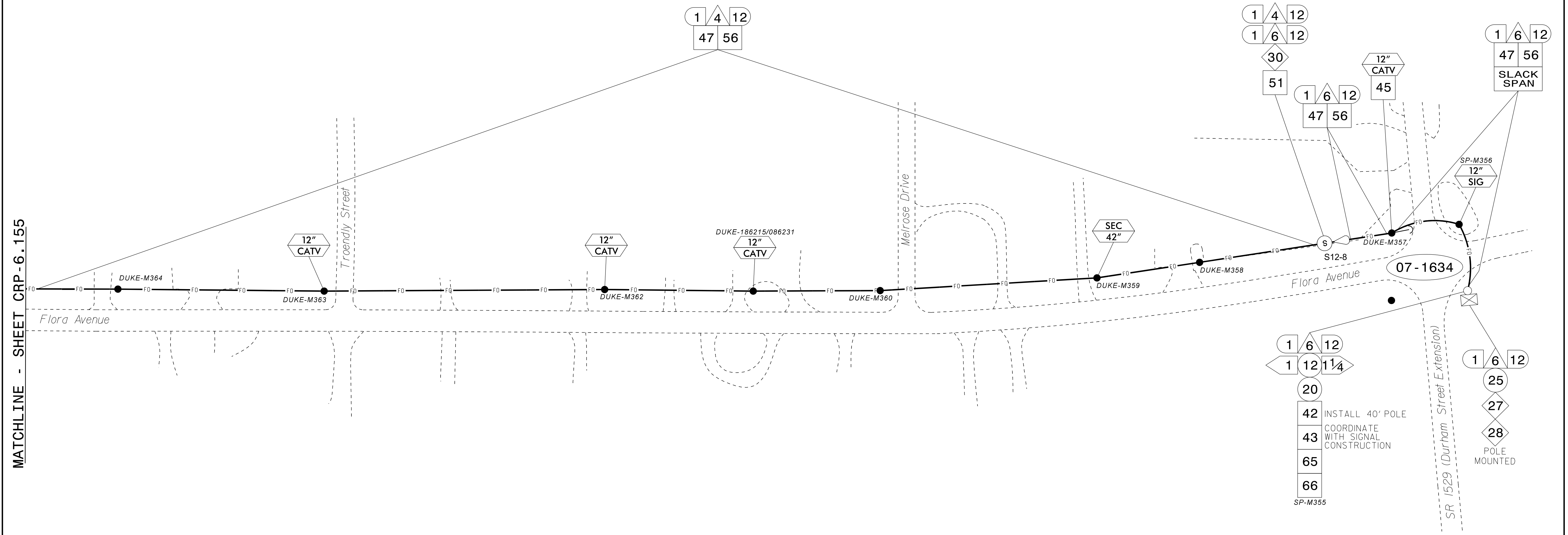
DocuSign by: Melissa B. Toth 025892 ENGINEER

0860CF8E0404AF DATE

CADD File name: CL-155.dgn

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ENC45396 AT LUS333048

MATCHLINE - SHEET CRP-6.155



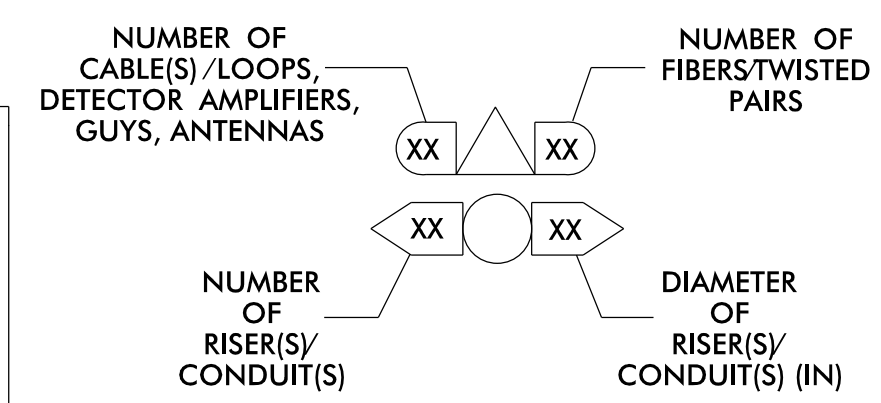
- NOTES:**
- UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
 - SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX / CABINET ENTRANCES.

ATTACHMENT POINT:

XXX
YYY DISTANCE ABOVE (IN)
REFERENCE POINT

YYY
XXX REFERENCE POINT
DISTANCE BELOW (IN)

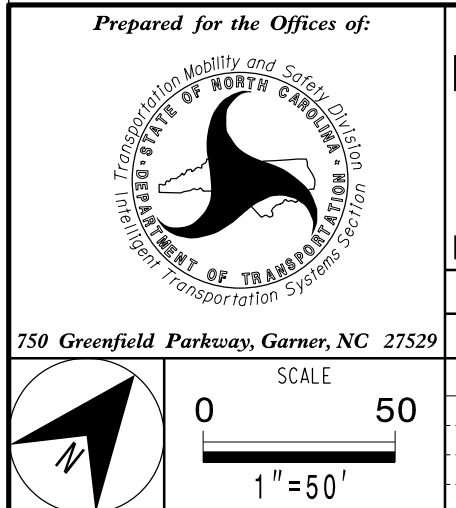
CONSTRUCTION NOTE SYMBOLGY KEY



ATKINS 1616 EAST MILLBROOK ROAD, SUITE 180
RALEIGH, NORTH CAROLINA 27609
(919) 878-6888 NCBEES #F-0326

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 SHOE(S)] 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)		



Burlington-Graham Signal System Cable Routing Plans

Division 7 Alamance County Burlington & Graham

PLAN DATE: June 2018 PREPARED BY: AME/AJH/VJP/NAP/JAW REVIEWED BY: M B Toth

REVISIONS: _____ INIT. DATE

SCALE: 1"=50'

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

SEAL 025892

MELISSA B. TOTH

Melissa B. Toth 1/13/2018

DATE

13-JUN-2018 15:45
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