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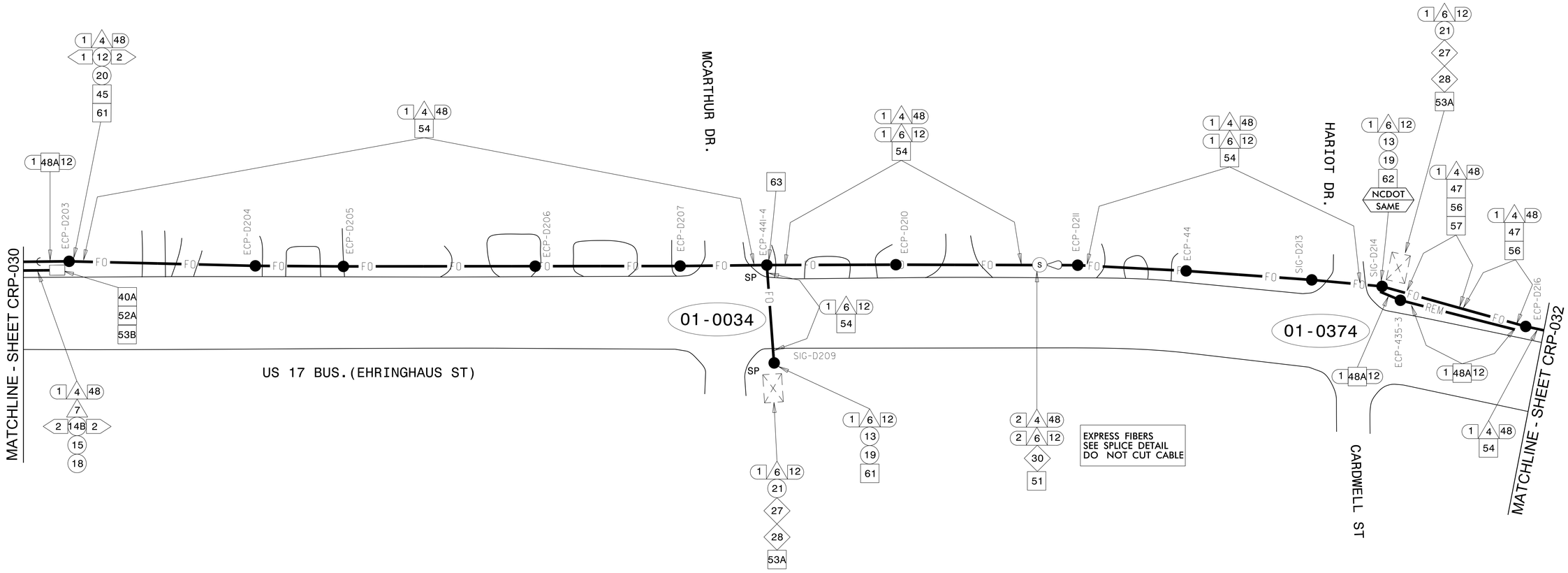
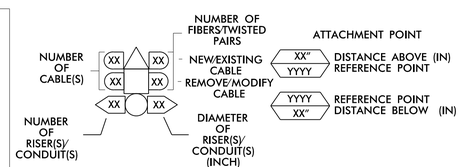
PROJECT REFERENCE NO.	SHEET NO.
U-5942	CRP-031



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. ALTERNATE CONSTRUCTION METHODS MAY BE USED FOR INSTALLING CONDUIT WITH ENGINEER'S APPROVAL. CONDUIT WILL BE PAID FOR UNDER INSTALLATION METHODS SHOWN ON THESE PLANS.

1	NOT USED	15	DIRECTIONAL DRILL CONDUIT	29	INSTALL UNDERGROUND SPLICE ENCLOSURE	43	NOT USED
2	NOT USED	16	NOT USED	30	INSTALL AERIAL SPLICE ENCLOSURE	44	INSTALL AERIAL GUY ASSEMBLY
3	INSTALL ETHERNET CABLE	17	INSTALL CABLE(S) IN EXISTING CONDUIT	31	NOT USED	45	INSTALL STANDARD GUY ASSEMBLY
4	INSTALL SMFO CABLE	18	INSTALL CABLE(S) IN NEW CONDUIT	32	NOT USED	46	INSTALL SIDEWALK GUY ASSEMBLY
5	NOT USED	19	INSTALL CABLE(S) IN EXISTING RISER	33	NOT USED	47	INSTALL MESSENGER CABLE
6	INSTALL FIBER OPTIC DROP CABLE	20	INSTALL CABLE(S) IN NEW RISER	34	NOT USED	48A	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
7	INSTALL TRACER WIRE	21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	35	NOT USED	48B	REMOVE EXISTING COMMUNICATIONS CABLE
8	TRENCH	22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	36	INSTALL CCTV CAMERA ASSEMBLY	49	NOT USED
9	INSTALL PVC CONDUIT	23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	37	INSTALL CCTV CAMERA 50' WOOD POLE	50	NOT USED
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET	38	NOT USED	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF EACH CABLE
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	39	INSTALL JUNCTION BOX	52A	INSTALL DELINEATOR MARKER
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	26A	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE	40A	INSTALL OVERSIZED JUNCTION BOX	52B	INSTALL JUNCTION BOX MARKER
13	INSTALL HEAT SHRINK TUBING RETROFIT KIT	26B	MODIFY/RELOCATE EXISTING FIBER OPTIC TRANSCEIVER	40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")	53A	STORE 30 FEET OF COMMUNICATIONS CABLE
14A	NOT USED	27	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	41	REMOVE EXISTING JUNCTION BOX	53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE
14B	INSTALL POLYETHYLENE CONDUIT	28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	42	INSTALL WOOD POLE	54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE

55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
56	LASH CABLE(S) TO NEW MESSENGER CABLE
57	HANDLASH AND INSTALL AERIAL CABLE PROTECTOR
58	NOT USED
59	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
60	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
61	BOND RISER AND MESSENGER CABLE TO POLE GROUND
62	BOND RISER TO POLE GROUND
63	BOND MESSENGER CABLE TO POLE GROUND
64	INSTALL MOLDABLE DUCT SEAL
65	SLACK SPAN



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

Elizabeth City Signal System Cable Routing Plans

Division 1 Pasquotank County Elizabeth City

PLAN DATE:	April 2018	REVIEWED BY:	LM Moon
PREPARED BY:	RD Lawton	REVIEWED BY:	

REVISIONS	INIT.	DATE

SCALE 0 50
1" = 50'

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022516 LISA M. MOON

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