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TTING	REVIEWED BY:	D.C.	SARKAR
SIONS		INIT.	DATE





			ST	stan Rain	IDARD POL	ES			S 48″	TANDAR Diameter D	D FOU	NDATIO Length (L)	NS – Feet		Reinforcement				
			Polo	Base	Reaction	ns at the	Pole Base		Cl	ay			Sand		Longi	Longitudinal		rups	
		Case No.	Height (Ft.)	BC (In.)	Axial (kip)	Shear (kip)	Moment (ft–kip)	Medium N–Value 4–8	Stiff N–Value 9–15	Very Stiff N–Value 16–30	Hard N–Value >30	Loose N–Value 4–10	Medium N–Value 11–30	Dense N–Value >30	Bar Size (#)	Quantity (ea.)	Bar Size (#)	Spacing (in.)	
W I	L	S26L3	26	25	2	11	270	19	13	10	8	17	14.5	12.5	8	12	4	12	
Ñ D	G H	S30L3	30	25	2	11	300	19.5	13.5	10	8	17.5	15	13	8	14	4	12	
Z O	Ť	S35L3	35	25	3	11	320	20	13.5	10.5	8	17.5	15	13	8	14	4	12	
N E	H E A	S30H3	30	29	3	16	450	24.5	16	12	9	21	17.5	15	8	16	4	6	
1	V Y	S35H3	35	29	4	16	515	26	17	12.5	9.5	22	18.5	16	8	16	4	6	
Ņ	Ļ	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12	
	ц С Н	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12	
z	Ť	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12	
	H E △	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6	
2	V Y	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6	
w	L	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12	
	G H	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12	
7	Ť	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12	
N E	H E ⊿	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6	
3	V Y	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6	
v	Ļ	S26L1	26	22	2	8	190	16	11.5	8.5	8	15	12.5	11	8	12	4	12	
J	G H	S30L1	30	22	2	8	205	16.5	11.5	9	8	15	13	11.5	8	12	4	12	
	Ť	S35L1	35	22	3	8	230	17	12	9	8	15.5	13.5	11.5	8	12	4	12	
	H E A	S30H1	30	25	3	12	320	20.5	13.5	10.5	8	18	15	13.5	8	16	4	6	
1	V Y	S35H1	35	25	4	12	350	21	14	10.5	8.5	18.5	15.5	13.5	8	16	4	6	
N I	Ļ	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12	
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$\frac{7}{5}$	Ť	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12	
	H E ^	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6	
5	A V V	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6	

Prepared In the Offices of:				
"Design "So"	PLAN			
750 N.Greenfield Pkwy,Garner,NC 27529	PREP			
SCALE	Chang			
NONE				

PROJECT ID. NO.

## General Notes:

1. Values shown in the "Reactions at the Pole Base" column represent the minimum acceptable capacity allowed for design using a design CSR of 1.00. 2. Use chairs and spacers to maintain proper clearance. 3. For foundation, always use air-entrain concrete mix.

## Foundation Selection:

1. Perform a standard penetration test at each proposed foundation site to determine "N" value. 2. Select the appropriate wind zone from M 1 drawing. 3. Select the soil type (Clay or Sand) that best describes the soil characteristics. 4. Get the appropriate standard pole case number from the plans or from the Engineer. 5. Select the appropriate column under "Standard Foundations" based on soil type and "N" value. Select the appropriate row based on the pole load case. 6. The foundation depth is the value shown in the "Standard Foundations" category where the column and the row intersect. 7. Use Construction Procedures and Design Methods prescribed

by FHWA-NHI-10-016 for Reference Drilled Shafts.

Condition Soil oundation-All ЦĽ ole Δ Strain Standard

Standard S Foundatic Soil Co	train on for nditio	Pole All ns		
DATE: OCTOBER 2017	DESIGNED BY:	C.B. CO(	GDELL	
ARED BY: N. BITTING	REVIEWED BY:	D.C. SA	RKAR	
REVISIONS		INIT.	DATE	
ed "Foundation Depth" to "Drilled Pier L	ength"in Conc. Eqn.	N.B.	7/12/2015	



DATE

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STD. No.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURE
1101.03	TEMPORARY SHOULDER CLOSURE
1715.01	UNDERGROUND CONDUIT
1716.01	JUNCTION BOXES
1722.01	RISER ASSEMBLY
1730.01	FIBER OPTIC CABLE
1731.01	SPLICE ENCLOSURE

	INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	
2	INSTALL REA, PE – 38, (FIGURE – 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	
3	INSTALL REA, PE – 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	
4	INSTALL SMFO CABLE	
5	INSTALL WEATHERPROOF CATEGORY 5e UTP – 4 PAIR 23 AWG CABLE (PoE)	
6	INSTALL FIBER OPTIC DROP CABLE	
7	INSTALL TRACER WIRE	
8	TRENCH	
9	INSTALL PVC CONDUIT	
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT	
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERI	HEAD
(12A)	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPT	FIC CABLE SEA
(12B)	INSTALL CABLES/DROP CABLE THROUGH NIPPLE ON <i>N</i> OR JOINT USE). INSTALL HEAT SHRINK TUBING OVER	ETAL POLE (S NIPPLE.
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT	
14	INSTALL POLYETHYLENE CONDUIT	
15	DIRECTIONAL DRILL CONDUIT	
16	BORE AND JACK CONDUIT	
17	INSTALL CABLE(S) IN EXISTING CONDUIT	
18	INSTALL CABLE(S) IN NEW CONDUIT	
19	INSTALL CABLE(S) IN EXISTING RISER	
20	INSTALL CABLE(S) IN NEW RISER	
21	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	
22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)	
23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB–OUTS WHEN AVAILABLE)	
(24)	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTE	d cabinet
(25)	INSTALL NEW RISER INTO EXISTING POLE MOUNTED C	ABINET
26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TEL INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CAB	EMETRY INET
27	INSTALL NEW TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	
28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET	,
29	INSTALL UNDERGROUND SPLICE ENCLOSURE	TEMP
30	INSTALL AERIAL SPLICE ENCLOSURE	WHERE INDIC
31	INSTALL POLE MOUNTED CABINET	ACCOMMOD THEIR VARIO
32	INSTALL BASE MOUNTED SPLICE CABINET (336) WITH EXTENDED BASE	BE COILED A THE FIBERS T
33	REMOVE EXISTING SPLICE CABINET	UPON A CA REMOVE THE
34	INSTALL CABINET FOUNDATION	TO CITY OF CARL McCAR

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	35	REMOVE EXISTING CABINET FOUNDATION
	36	INSTALL CCTV CAMERA ASSEMBLY
	37	INSTALL CCTV CAMERA WOOD POLE
	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
	39	INSTALL JUNCTION BOX
	40	INSTALL OVERSIZED JUNCTION BOX
	41	REMOVE EXISTING JUNCTION BOX
	42	INSTALL WOOD POLE
	43	REMOVE EXISTING WOOD POLE
	44	INSTALL AERIAL GUY ASSEMBLY
	45	INSTALL STANDARD GUY ASSEMBLY
	46	INSTALL SIDEWALK GUY ASSEMBLY
AL	47	INSTALL MESSENGER CABLE
	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
	49	REMOVE EXISTING COMMUNICATIONS CABLE
	50	INSTALL ETHERNET SWITCH
	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
	52	INSTALL DELINEATOR MARKER
	53	STORE 50 FEET OF COMMUNICATIONS CABLE
	54	LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE
	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
	56	LASH CABLE(S) TO NEW MESSENGER CABLE
	57	MODIFY EXISTING ELECTRICAL SERVICE
	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV
	59	INSTALL NEW BASE MOUNTED CABINET (336)
	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL
	61	ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO SIGNAL CABINET. USE EXISTIN JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGN CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS.
	62	INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"

## EMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET:

INDICATED ON THE PLANS, THE CONTRACTOR WILL PROVIDE TEMPORARY SPARE LENGTHS OP CABLE "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET" TO AMODATE FUTURE RELOCATIONS OF THE SIGNAL CABINETS AS THEY PROGRESS THROUGH VARIOUS CONSTRUCTION PHASES. THE TEMPORARY SPARE LENGTH OF DROP CABLE SHALL LED AND STORED ON THE NEAREST METAL POLE BETWEEN THE SPLICE ENCLOSURE AND BERS TRANSITION FROM ABOVE GROUND TO BELOW GROUND INSTALLATION AS IT PREPARES TER THE CONTROLLER CABINET. A CABINET BEING SET IN ITS FINAL LOCATION AND FINAL SPLICING TO BE PERFORMED, THE "TEMPORARY DROP CABLE MAINTENANCE LOOP AND BRACKET". RETURN THE BRACKET TY OF FAYETTEVILLE'S SIGNAL SYSTEMS MANAGEMENT ENGINEER: AcCARTNEY AT (910) 433–1660.



			_	PROJECT REFERENCE NO.	SHEET NO.
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	FO NEW FIB	ER OPTIC COMMUN	NICATIONS C	CABLE	
EXI -	EXISTING	COMMUNICATION	S CABLE		
REM -		COMMUNICATION	S CABLE		
	NEW AEF	IAL GUY ASSEMBLY	(		
	NEW CO	NDUIT			
	EXISTING	CONDUIT			
		ECTIONAL DRILLED			
		ACTION BOX	CONDON		
	EXISTING	JUNCTION BOX			
		OD POLE			
	EXISTING	WOOD POLE			
	S NEW AE	RIAL SPLICE ENCLO	SURE		
		AERIAL SPLICE ENG	CLOSURE		
		TAL POLE			
		METAL FOLE			
		CCTV CAMERA ASSEM	SEMBLY		
	C NEW ST	NDARD GUY ASSE	EMBLY		
	MEW ST	ANDARD GUY USIN	ng existing	ANCHOR	
		EWALK GUY ASSEA	MBLY		
(		BLE STORAGE RACK	(S (SNOW S	HOES)	
		CONTROLLER CAB	acks (snow Inet	SHOES)	
	S EXISTING	SPLICE CABINET			
	SPC NEW SPI	ICE CABINET, BASE	MOUNTED		
		CCTV CABINET			
	SP SIGNAL P	OLE			
$\langle$	XX-XXXX SIGNAL I	NVENTORY NUMBE	R		
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	HI HI REPEATER	ENNA (DOUBLE) F	OR		
		ENNA (SINGLE)			
		TENNA			
	PROPOSE LOOP W	D TEMPORARY DRO TH CABLE BRACKE	OP CABLE M	AINTENANCE	
	-REM- EXISTING	UTILITY CABLE TO	D BE RELOCA	ATED OR REMOVED	
	PP EXISTING	POWER PEDESTAL			
	<u>1/4</u> UTILITY P	OLE TAG NUMBER	R		
	MP METAL PC	DLE			
	INDICATES NU	N NOTE	SYMB	OLOGY KE PS, ETC.	Y
XX)	TWISTED PAIR	S PER CABLE, E	TC.	ADLL,	
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IBER XX	INDICATES DIA	METER OF RIS	SER(S)/CO	NDUIT(S) (INCH)	
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ACKET″					
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RISER(	s)/CONDUIT(S)		RISER(S)/C	CONDUIT(S) (INC	H)
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AL Int	CONSTF	UCTION NOT	ES	C C C C C C C C C C C C C C C C C C C	
TRANSPORT	DIVISION 06 CUI	IBERLAND CO.	FAYETTEVI		
750 N. Greenfield Pkwy., Garner, NC 27529	PREPARED BY: <b>B. KEFFE</b>	REVIEWED BY:	L. OVERN	NGINEE	NFRITTI'
SCÁLE	REVISIONS	· · · · · · · · · · · · · · · · · · ·	INIT. DA	TE DocuSigned by:	5/9/2010
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(14) INSTALL POLYETHYLENE CONDUIT

ISTALL AERIAL SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO	
ISTALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE	61	SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE	
ISTALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER	Star
EMOVE EXISTING SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE		120 VOLT CORRENT CARRIING CONDUCTORS.	801
ISTALL CABINET FOUNDATION	50	INSTALL ETHERNET SWITCH	62	INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"	Suit
move existing cabinet foundation	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE			Tel.
ISTALL CCTV CAMERA ASSEMBLY	52	INSTALL DELINEATOR MARKER			
ISTALL CCTV CAMERA WOOD POLE	53	STORE 50 FEET OF COMMUNICATIONS CABLE	$\square$	PROPOSED TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET.	Lice
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	54	LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE	SPC	NEW SPLICE CABINET, BASE MOUNTED	Pı
ISTALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EXISTING CCTV CABINET	
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE	F0 •	NEW FIBER OPTIC COMMUNINCATIONS CABLE	Trans
emove existing junction box	57	MODIFY EXISTING ELECTRICAL SERVICE	-REM-	EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED	Intellie
ISTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV	PP	EXISTING POWER PEDESTAL	
EMOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)	174	UTILITY POLE TAG NUMBER	750 N. G
NSTALL AERIAL GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH	JU	JOINT USE POLE	
NSTALL STANDARD GUY ASSEMBLY		MOLDABLE DUCT SEAL	MP	METAL POLE	

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<b>Stante</b> tec Consulting Services Jones Franklin Road e 300 igh, NC 27606 (919) 851-6866 (919) 851-7024 e.stantec.com nse No. F-0672	SINC. PHASE I FIBER TRUNK CA	BLE INSTALLATION
epared for the Offices of: Mobility and Article Mobility and Article Mobility and Article Article Mobility and Article Arti	US 401 (RAEFORD ROAD) SIGNAL SYSTEM AND COMMUNICATIONS CABLE / CONDUIT ROUTING PLANS DIVISION 06 CUMBERLAND CO. FAYETTEV PLAN DATE: APRIL 2019 REVIEWED BY: D. HARRI PREPARED BY: B. KEFFER REVIEWED BY: L. OVERN	SEAL SEAL O45933 SEAL O45933
SCALE NTS	REVISIONS INIT.	DATE DocuSigned by: 



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STALL AERIAL SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO	
STALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE	61	SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE	
STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING, CONDUCTORS	Stant
MOVE EXISTING SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE			801 J
TALL CABINET FOUNDATION	50	INSTALL ETHERNET SWITCH	62	INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"	Suite Ralei
NOVE EXISTING CABINET FOUNDATION	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE			Tel. (
STALL CCTV CAMERA ASSEMBLY	52	INSTALL DELINEATOR MARKER			
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STALL CCTV CAMERA METAL POLE ID FOUNDATION	54	LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE	SPC	NEW SPLICE CABINET, BASE MOUNTED	Prej
STALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EXISTING CCTV CABINET	orto
STALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	Trans,
MOVE EXISTING JUNCTION BOX	57	MODIFY EXISTING ELECTRICAL SERVICE	-REM-	EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED	Intellig
STALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV	PP	EXISTING POWER PEDESTAL	SHI.
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STALL STANDARD GUY ASSEMBLY		MOLDABLE DUCT SEAL	MP	METAL POLE	N



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ISTALL AERIAL SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO	
ISTALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE	61	SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE	
ISTALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS	Star
EMOVE EXISTING SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE			801
ISTALL CABINET FOUNDATION	50	INSTALL ETHERNET SWITCH	62	INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"	Suite Rale
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ISTALL CCTV CAMERA ASSEMBLY	52	INSTALL DELINEATOR MARKER			
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ISTALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EXISTING CCTV CABINET	Ś
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE	F0 •	NEW FIBER OPTIC COMMUNINCATIONS CABLE	Transp
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NSTALL STANDARD GUY ASSEMBLY	<u>ـــــا</u>	MOLDABLE DUCT SEAL	MP	METAL POLE	



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STALL AERIAL SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO	
STALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE	61	AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE	
STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS	Star
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STALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EXISTING CCTV CABINET	à
stall oversized junction box	56	LASH CABLE(S) TO NEW MESSENGER CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	Trans
move existing junction box	57	MODIFY EXISTING ELECTRICAL SERVICE	-REM-	EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED	Intellie
STALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV	PP	EXISTING POWER PEDESTAL	
MOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)	174	UTILITY POLE TAG NUMBER	750 N. Gr
STALL AERIAL GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH	JU	JOINT USE POLE	
STALL STANDARD GUY ASSEMBLY		MOLDABLE DUCT SEAL	MP	METAL POLE	

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ISTALL AERIAL SPLICE ENCLOSURE	46	INSTALL SIDEWALK GUY ASSEMBLY		ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO	
ISTALL POLE MOUNTED CABINET	47	INSTALL MESSENGER CABLE	61	SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE	
ISTALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS	Stan
MOVE EXISTING SPLICE CABINET	49	REMOVE EXISTING COMMUNICATIONS CABLE			801 .
STALL CABINET FOUNDATION	50	INSTALL ETHERNET SWITCH	62	INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"	Suite Rale
move existing cabinet foundation	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE			Tel.
STALL CCTV CAMERA ASSEMBLY	52	INSTALL DELINEATOR MARKER			
ISTALL CCTV CAMERA WOOD POLE	53	STORE 50 FEET OF COMMUNICATIONS CABLE	$\square$	PROPOSED TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET.	Licer
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	54	LASH CABLE(S) TO EXISTING PWC FIBER OPTIC LINE	SPC	NEW SPLICE CABINET, BASE MOUNTED	Pre
ISTALL JUNCTION BOX	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EXISTING CCTV CABINET	ast
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	Transp
MOVE EXISTING JUNCTION BOX	57	MODIFY EXISTING ELECTRICAL SERVICE	-REM-	EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED	Intellig
ISTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV	PP	EXISTING POWER PEDESTAL	4
MOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)	174	UTILITY POLE TAG NUMBER	750 N. Gre
ISTALL AERIAL GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH	JU	JOINT USE POLE	
ISTALL STANDARD GUY ASSEMBLY		MOLDABLE DUCT SEAL	MP	METAL POLE	N

![](_page_12_Figure_1.jpeg)

(29) INSTALL UNDERGROUND SPLICE ENCLOSURE

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(14) INSTALL POLYETHYLENE CONDUIT

				PROJECT REFERENCE NO. SHEET NO U-4405A SCP.8
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	US 401 (RAEFORD	RD)		
24	49 SEE GENERAL NOTE			
ALL REMOVE THE EXISTING	CCTV CAMERA METAL POLE AND F CONNECTED TO THE SIGNAL CAE	OUNDATION. THE CCTV CAMERA SINET BY A NEW CAT 5e/6 PoE.		
ATE THE DELIVERY OF THE A	AETAL CCTV CAMERA POLE TO THE	CITY OF FAYETTEVILLE'S, SIGNAL		
CARL McCARINEY AI (910) 4 CDOT PROVIDED CELLULAR WEST AT 910–364–0606, AT AY BE PROVIDED BY NCDO	33–1660. MODEM AT 06–0274 FOR RELOCAT LEAST EIGHT (8) WEEKS IN ADVANC	TED CCTV-1A. CONTRACTOR SHALL CONTA E OF ANTICIPATED INSTALLATION OF CEI	CT LULAR	
XISTING FO CABLE LABELED ABLED "EXI" IN EXISTING SI	) "REM" BETWEEN BUNCE RD (06–0 PLICE ENCLOSURE AT BINGHAM RD	0274) AND BINGHAM RD (06–0358) AS SH AS SHOWN IN SPLICING DETAIL SHEET	IOWN, ON	
D AND THE SYSTEM INTER NATE THESE ACTIVITIES WITH AT (910) 223–4526.	SECTIONS ARE OPERATING, REMOVE I PWC.	THE EXISTING CABLES LABELED		
STALL AERIAL SPLICE ENCLOSURE STALL POLE MOUNTED CABINET STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE MOVE EXISTING SPLICE CABINET STALL CABINET FOUNDATION MOVE EXISTING CABINET FOUNDATION	<ul> <li>46 INSTALL SIDEWALK GUY ASSEMBLY</li> <li>47 INSTALL MESSENGER CABLE</li> <li>48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE</li> <li>49 REMOVE EXISTING COMMUNICATIONS CABLE</li> <li>50 INSTALL ETHERNET SWITCH</li> <li>51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</li> </ul>	<ul> <li>ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS.</li> <li>INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"</li> </ul>	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024	
STALL CCTV CAMERA ASSEMBLY STALL CCTV CAMERA WOOD POLE	52 INSTALL DELINEATOR MARKER 53 STORE 50 FEET OF COMMUNICATIONS CABLE 54 LASH CABLE(S) TO EXISTING PWC	PROPOSED TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET.	www.stantec.com License No. F-0672 Prepared for the Offices of:	PHASE I FIBER TRUNK CABLE INSTALLATION
ID FOUNDATION STALL JUNCTION BOX STALL OVERSIZED JUNCTION BOX MOVE EXISTING JUNCTION BOX	<ul> <li>FIBER OPTIC LINE</li> <li>55 LASH CABLE(S) TO EXISTING MESSENGER CABLE</li> <li>56 LASH CABLE(S) TO NEW MESSENGER CABLE</li> <li>57 MODIFY EXISTING ELECTRICAL SERVICE</li> <li>58 INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV</li> </ul>	TV SPLICE CABINET, BASE MOUNTED  TV EXISTING CCTV CABINET  F0- NEW FIBER OPTIC COMMUNINCATIONS CABLE  REM- EXISTING COMMUNICATIONS CABLE TO BE REMOVED OR RELOCATED  F0- EXISTING COMMUNICATIONS CABLE TO BE REMOVED	Mobility and Gran Dilition	US 401 (RAEFORD ROAD) SIGNAL SYSTEM AND COMMUNICATIONS CABLE / CONDUIT ROUTING PLANS ION 06 CUMBERLAND CO. FAYETTEVILLE
MOVE EXISTING WOOD POLE	59 INSTALL NEW BASE MOUNTED CABINET (336) SEAL ALL CONDUIT ENTERING JUNCTION BOXES	PP       EXISTING       POWER       PEDESTAL         174       UTILITY       POLE       TAG       NUMBER         III       JOINT USE       POLE       F	PLAN DAT       750 N. Greenfield Pkwy., Garner, NC 27529       SCALE	TE:       APRIL 2019       REVIEWED BY:       D. HARRIS         D BY:       B. KEFFER       REVIEWED BY:       L. OVERN         REVISIONS       INIT.       DATE
STALL STANDARD GUY ASSEMBLY	AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH MOLDABLE DUCT SEAL	MP METAL POLE	NTS	CADD FILE NAME

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)r shall remove the existing he joint_use signal pole ani	CCTV CAMERA METAL POLE AND F	OUNDATION. THE CCTV CAMERA SINET BY A NEW CAT 5e/6 PoE.			
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BLE LABLED "EXI" IN EXISTING	SPLICE ENCLOSURE AT BINGHAM RD	AS SHOWN IN SPLICING DETAIL SHEET	OWN, ON		
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ORDINATE THESE ACTIVITIES WIT HART AT (910) 223–4526.	TH PWC.				
30 INSTALL AERIAL SPLICE ENCLOSURE 31 INSTALL POLE MOUNTED CABINET 32 INSTALL BASE MOUNTED SPLICE CABINET (336) WITH EXTEND BASE	<ul> <li>46 INSTALL SIDEWALK GUY ASSEMBLY</li> <li>47 INSTALL MESSENGER CABLE</li> <li>48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE</li> </ul>	ROUTE CABLE(S) INSIDE METAL POLE AND OUT TO SIGNAL CABINET. USE EXISTING JUNCTION BOXES AND CONDUIT SYSTEMS WHEN AVAILABLE. ENSURE FIBER CABLES DO NOT SHARE JUNCTION BOXES AND CONDUIT SYSTEMS WITH SIGNAL CABLES OR OTHER 120 VOLT CURRENT CARRYING CONDUCTORS.	Stantec Consulting Services Inc.		
33 REMOVE EXISTING SPLICE CABINET 34 INSTALL CABINET FOUNDATION 35 REMOVE EXISTING CABINET FOUNDATION	<ul> <li>REMOVE EXISTING COMMUNICATIONS CABLE</li> <li>INSTALL ETHERNET SWITCH</li> <li>INSTALL CABLE STORAGE RACKS (SNOW SHOES)</li> <li>AND STORE 100 FEET OF CABLE</li> </ul>	62 INSTALL "TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET"	Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866		
36 INSTALL CCTV CAMERA ASSEMBLY 37 INSTALL CCTV CAMERA WOOD POLE	52       INSTALL DELINEATOR MARKER         53       STORE 50 FEET OF COMMUNICATIONS CABLE	PROPOSED TEMPORARY DROP CABLE MAINTENANCE LOOP WITH CABLE BRACKET.	Fax. (919) 851-7024 www.stantec.com License No. F-0672	PHASE I FIBER TRUNK CABLE	E INSTALLATION
38INSTALL CCTV CAMERA METAL POLE38AND FOUNDATION39INSTALL JUNCTION BOX	54LASH CABLE(S) TOEXISTING PWC54FIBER OPTIC LINE55LASH CABLE(S) TOEXISTING MESSENGER CABLE	<b>SPC</b> NEW SPLICE CABINET, BASE MOUNTED <b>TV</b> EXISTING CCTV CABINET	Prepared for the Offices of: Mobility and Autority of MORTH Care	US 401 (RAEFORD ROAD) SIGNAL SYSTEM AND	SEAL
40 INSTALL OVERSIZED JUNCTION BOX	56 LASH CABLE(S) TO NEW MESSENGER CABLE 57 MODIFY EXISTING ELECTRICAL SERVICE		Division voz	COMMUNICATIONS CABLE / CONDUIT ROUTING PLANS	SEAL
42 INSTALL WOOD POLE	58 INSTALL NEW ELECTRICAL SERVICE FOR DMS/CCTV	OR RELOCATED       PP     EXISTING     POWER     PEDESTAL	DIVISI Plan DAT	DN 06     CUMBERLAND CO.     FAYETTEVILL       E:     APRIL 2019     REVIEWED BY:     D. HARRIS	E 045933
43 REMOVE EXISTING WOOD POLE 44 INSTALL AERIAL GUY ASSEMBLY	<ul> <li>INSTALL NEW BASE MOUNTED CABINET (336)</li> <li>SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV/DMS CONTROL CABINETS WITH</li> </ul>	174 UTILITY POLE TAG NUMBER JU JOINT USE POLE	750 N. Greenfield Pkwy., Garner, NC 27529     PREPARED       SCALE	BY: <b>D. KEFFEK</b> REVIEWED BY: L. OVERN REVISIONS INIT. DATE	DocuSigned by: 5/9/2019
45 INSTALL STANDARD GUY ASSEMBLY	MOLDABLE DUCT SEAL	MP METAL POLE	NTS NTS		CADD FILE NAME

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TO "06–0274" RAEFORD RD AT BUNCE RD.

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epared for the Offices of: Mobility and Sec.	ETRED CADLE COLICINO DETATI	SEAL	
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![](_page_21_Figure_1.jpeg)

8:57:22 AM U:\*Traffic\*Signals User:jhambright

![](_page_21_Figure_3.jpeg)

![](_page_22_Figure_1.jpeg)

8:57:23 AM U:\*Traffic\*Signal: User:jhambright

![](_page_23_Figure_1.jpeg)

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