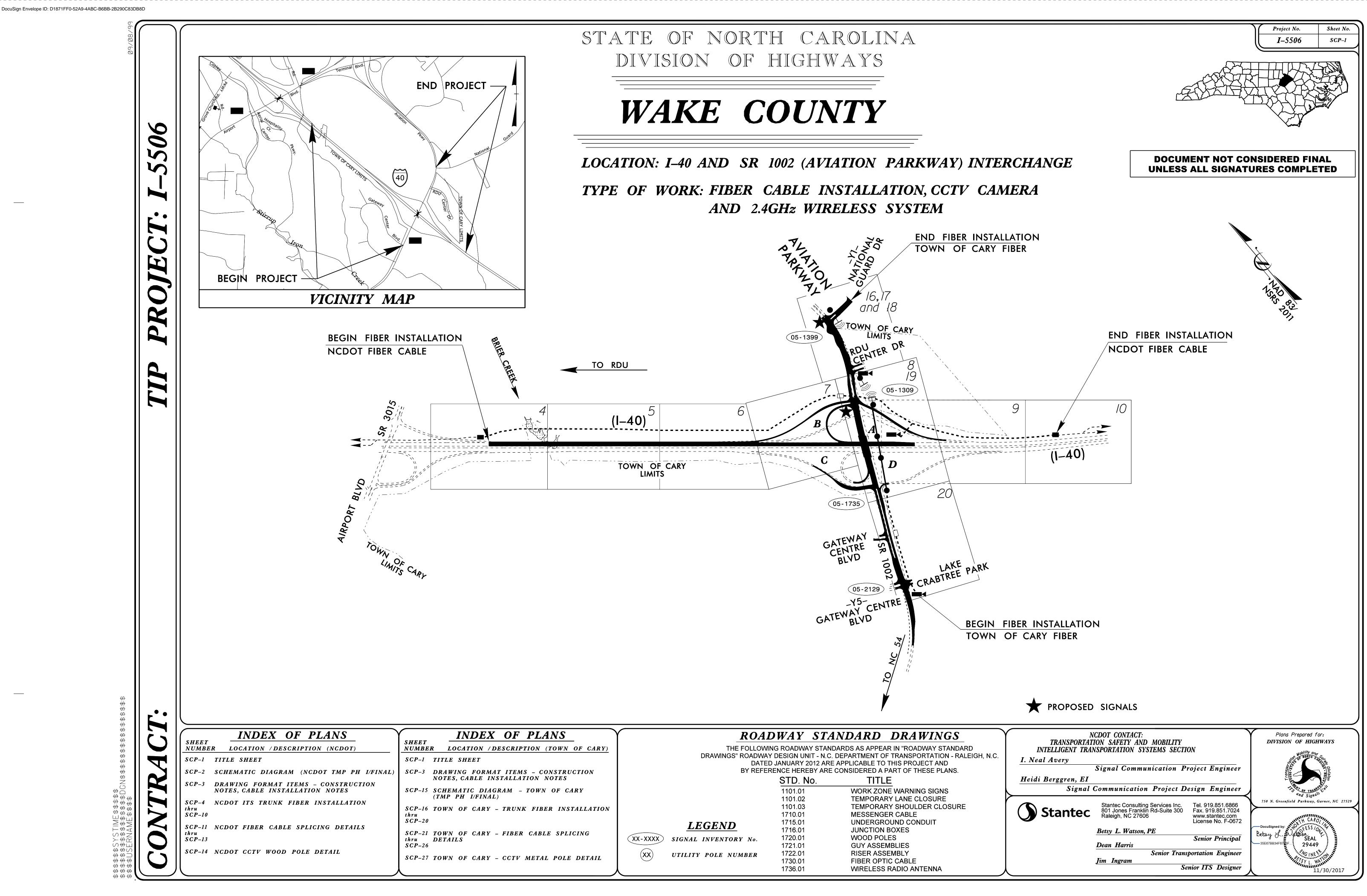
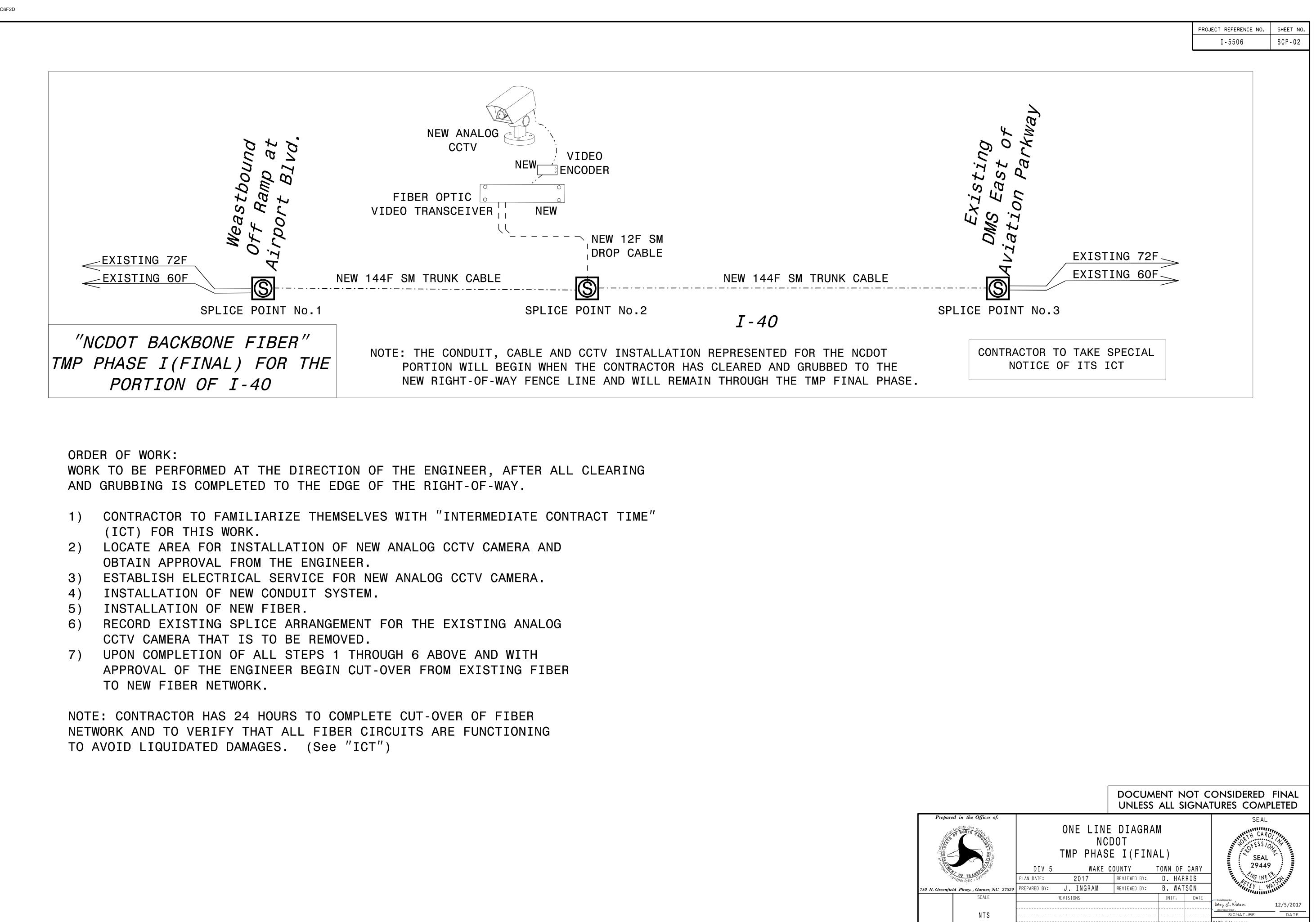
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CONSPORTATION SYSTEM		PLAN DATE:	2017	REVIEWED BY:	D.	HAR	RIS	NG INE	
Greenfield Pk	wy. , Garner, NC 27529	PREPARED BY:	J. INGRAM	REVIEWED BY:	Β.	WAT	SON		WALLIN
	SCALE		REVISIONS		INI	ΙΤ.	DATE	DocuSigned by:	-
								Betsy L. Watson 35E67BB34F8743F	12/5/2017
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	INSTALL REA, PE – 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
	INSTALL CAT 5e (PoE) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
	INSTALL REA, PE – 39, (UNDERGROUND) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE
4	INSTALL SMFO CABLE
5	INSTALL MMFO CABLE
6	INSTALL FIBER OPTIC DROP CABLE
7	INSTALL TRACER WIRE
8	TRENCH
9	INSTALL PVC CONDUIT
	INSTALL RIGID, GALVANIZED STEEL CONDUIT
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABI
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 MOUNTED CABIN
(25)	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
26	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET
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
30	INSTALL AERIAL SPLICE ENCLOSURE
31	INSTALL POLE MOUNTED SPLICE CABINET
32	INSTALL BASE MOUNTED SPLICE CABINET (336) WITH EXTENDED BASE
33	REMOVE EXISTING CABINET
34	INSTALL CABINET FOUNDATION

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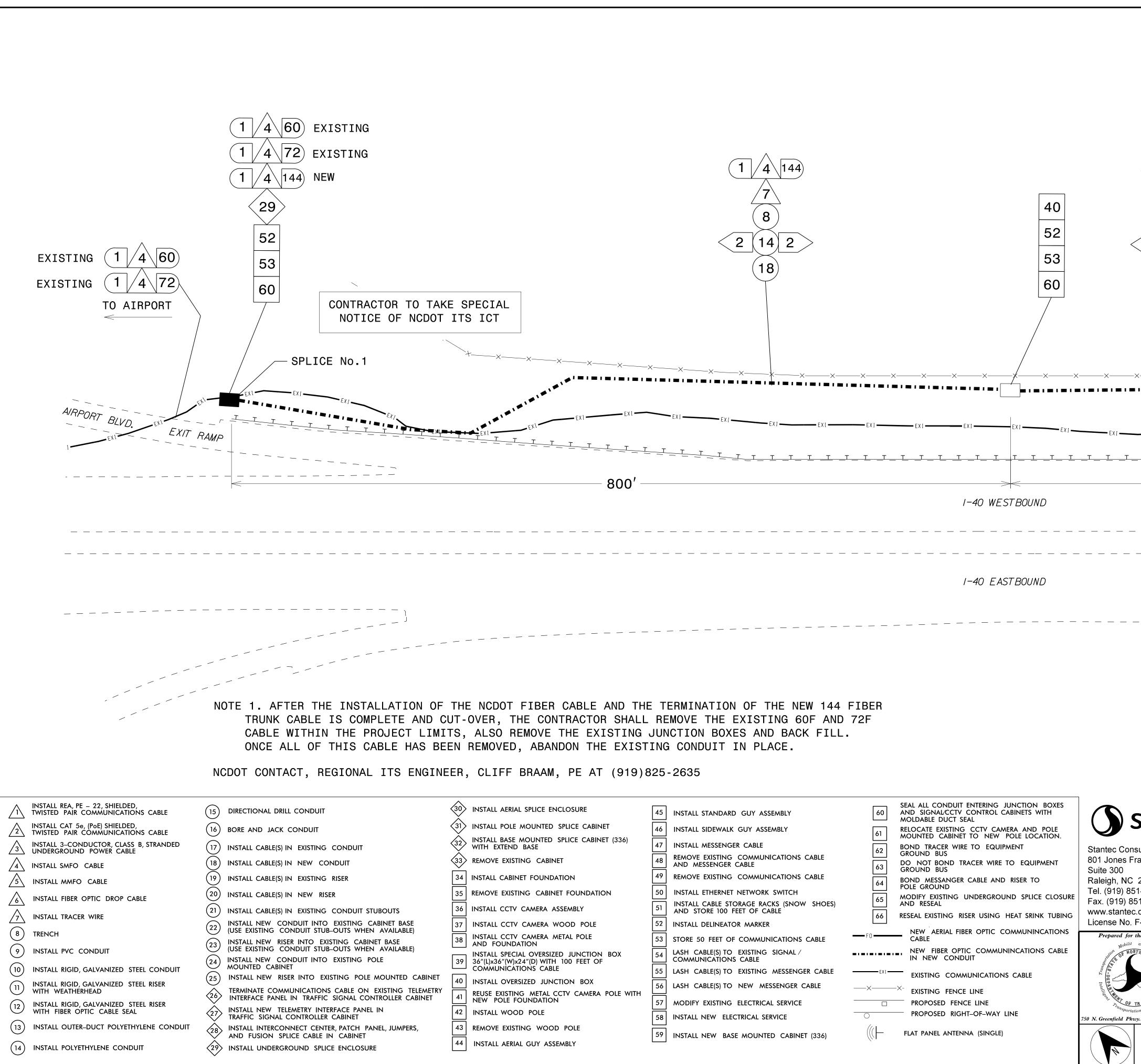
35	REMOVE EXISTING CABINET FOUNDATION
36	INSTALL CCTV CAMERA ASSEMBLY
37	INSTALL CCTV CAMERA WOOD POLE
38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
39	INSTALL SPECIAL OVERSIZED JUNCTION BOX 36"(I)x36"(W)x24"(D) WITH 100 FEET OF COMMUNICATION CABLE
40	INSTALL OVERSIZED JUNCTION BOX
41	REUSE EXISTING METAL CCTV CAMERA POLE WITH NEW POLE FOUNDATION
42	INSTALL WOOD POLE
43	REMOVE EXISTING WOOD POLE
44	INSTALL AERIAL GUY ASSEMBLY
45	INSTALL STANDARD GUY ASSEMBLY
46	INSTALL SIDEWALK GUY ASSEMBLY
47	INSTALL MESSENGER CABLE
48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
49	REMOVE EXISTING COMMUNICATIONS CABLE
50	INSTALL ETHERNET NETWORK 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 SIGNAL/COMMUNICATIONS CABLE
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
59	INSTALL NEW BASE MOUNTED CABINET (336)
60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL
61	RELOCATE EXISTING CCTV CAMERA AND POLE MOUNTED CABINET TO NEW POLE LOCATION.
62	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
63	do not bond tracer wire to equipment ground bus
64	BOND MESSANGER CABLE AND RISER TO POLE GROUND
65	MODIFY EXISTING UNDERGROUND SPLICE CLOSURE AND RESEAL
66	RESEAL EXISTING RISER USING HEAT SRINK TUBING

750 N. Greenfield Pku

ABLE SEAL

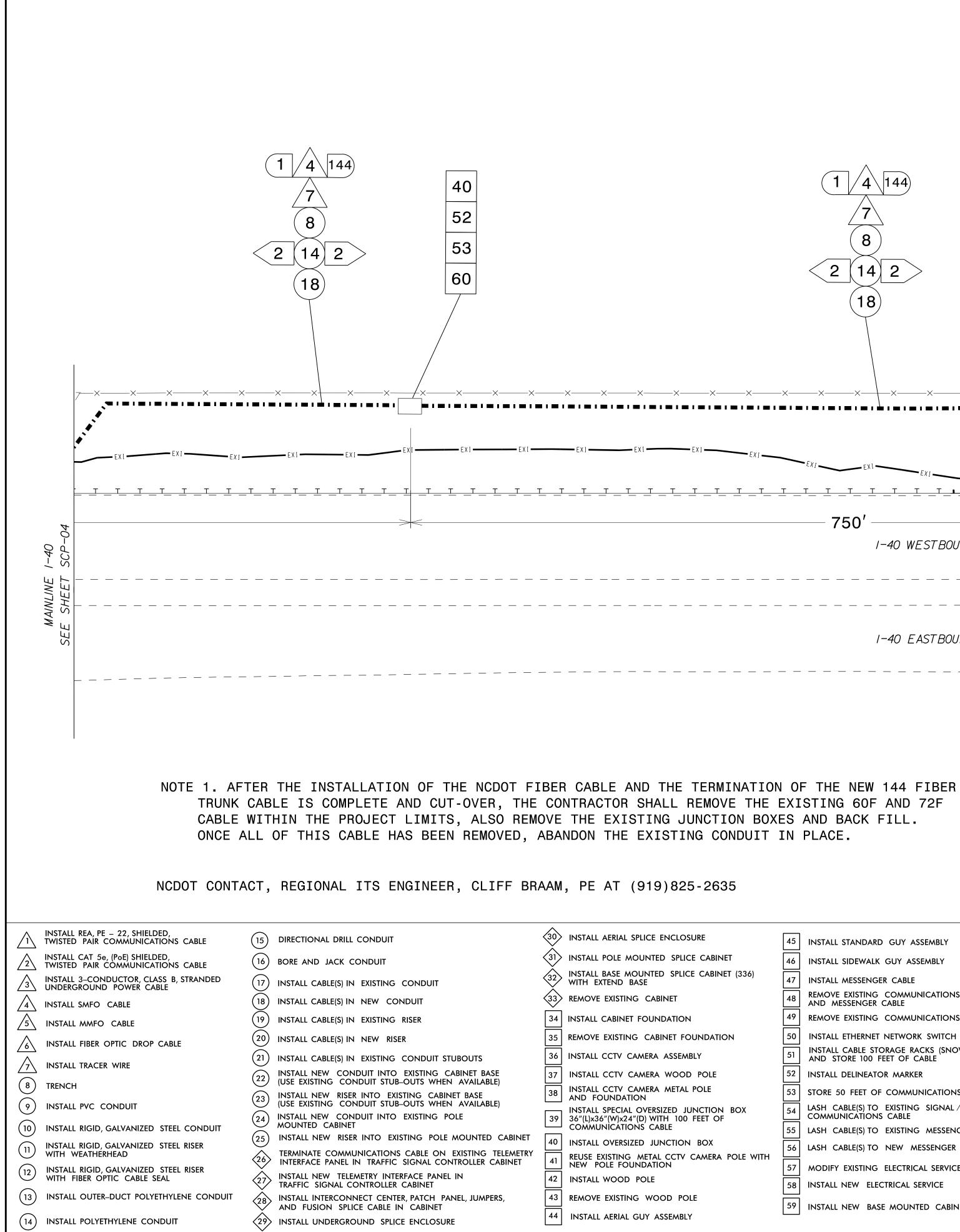
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			PROJECT REFERENCE NO.	SHEET NO.
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TWIST P		NEW TWISTED PAIR COMMUNICATION	IS CABLE	
——————————————————————————————————————		EXISTING COMMUNICATIONS CABLE EXISTING FENCE LINE		
		PROPOSED FENCE LINE		
		PROPOSED RIGHT-OF-WAY LINE		
		EXISTING WATER LINE /WETLANDS		
		NEW FIBER OPTIC COMMUNINCATION		
		NEW FIBER OPTIC COMMUNINCATION	15 CABLE	
DD B&J		NEW DIRECTIONAL DRILLED CONDUIT NEW BORED AND JACKED CONDUIT		
		NEW JUNCTION BOX (OVERSIZED)		
		EXISTING JUNCTION BOX (OVERSIZED)	1	
	0	NEW WOOD POLE		
	•	EXISTING WOOD POLE		
	S	NEW AERIAL SPLICE ENCLOSURE		
	$\bigcirc$	NEW METAL SIGNAL POLE		
	S	NEW UNDERGROUND SPLICE ENCLOS SPECIAL OVERSIZED JUNCTION BOX	URE IN	
		EXISTING METAL SIGNAL POLE		
		NEW CCTV CAMERA ASSEMBLY		
		EXISTING CCTV CAMERA ASSEMBLY		
	(	NEW STANDARD GUY ASSEMBLY		
	←	NEW STANDARD GUY USING EXISTIN	G ANCHOR	
	ر	NEW SIDEWALK GUY ASSEMBLY		
		EXISTING CONTROLLER AND CABINET		
	∑ [s]	PROPOSED CONTROLLER CABINET EXISTING SPLICE CABINET		
		EXISTING DYNAMIC MESSAGE SIGN (I	oms) on single steel	POLE
		EXISTING MASTER CONTROLLER AND		
	SP	SIGNAL POLE		
$\langle$	XXXX-XX	ITS FIELD DEVICES		
	((-)	flat panel antenna (Single)		
	<del>-+   -    -</del>	YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION		
		YAGI ANTENNA (SINGLE)		
	(((-)))) ((-)))	OMNI ANTENNA		
	- REM-	EXISTING UTILITY CABLE TO BE RELO	CATED OR REMOVED	
CONS			NOCY KEV	
		TION NOTE SYMBO		
(XX)	INDICATI	ES NUMBER OF CABLES, LOOF	PS, ETC.	
		ES NUMBER OF FIBERS PER C. PAIRS PER CABLE, ETC.	ABLE,	
		ES NUMBER OF RISER(S)/CON	אדוו וסו(ג)	
xx >	NUMBE	ES DIAMETER OF RISER(S)/CO	NDUIT(S) (INCH)	
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	CABLE(		RS/TWISTED PAIRS	
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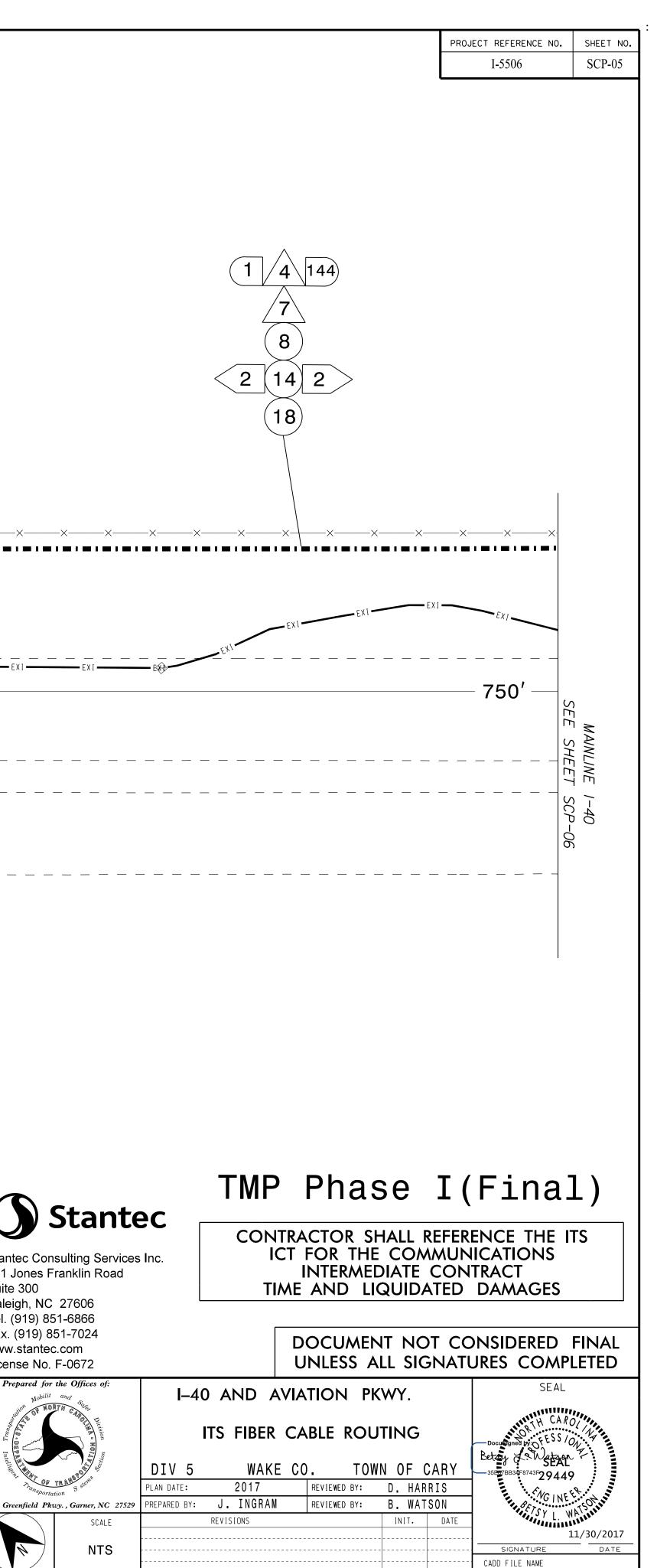
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NCDOT FIBER CABLE AND THE	TERMINATION OF THE NEW 144	FIBER				
/ER, THE CONTRACTOR SHALL	REMOVE THE EXISTING 60F AND	72F				
	JUNCTION BOXES AND BACK FILL					
EMOVED, ABANDON THE EXIST	ING CONDUIT IN PLACE.					
CLIFF BRAAM, PE AT (919)8	25-2635					
		SEAL ALL CONDUIT ENTERING JUNCTION BOXES		TMP Phase	I(Final)	
ISTALL AERIAL SPLICE ENCLOSURE	45 INSTALL STANDARD GUY ASSEMBLY	60 AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL	<b>Stante</b>			
ISTALL POLE MOUNTED SPLICE CABINET	46 INSTALL SIDEWALK GUY ASSEMBLY	61 RELOCATE EXISTING CCTV CAMERA AND POLE MOUNTED CABINET TO NEW POLE LOCATION.		CONTRACTOR SHALL R	EFERENCE THE ITS	
ISTALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	47 INSTALL MESSENGER CABLE	62 BOND TRACER WIRE TO EQUIPMENT GROUND BUS	Stantec Consulting Services			
MOVE EXISTING CABINET	48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE		801 Jones Franklin Road			
STALL CABINET FOUNDATION	49 REMOVE EXISTING COMMUNICATIONS CABLE	BOND MESSANGER CABLE AND RISER TO	Suite 300 Raleigh, NC 27606	TIME AND LIQUIDA	IED DAMAGES	
MOVE EXISTING CABINET FOUNDATION	50 INSTALL ETHERNET NETWORK SWITCH	MODIFY EXISTING UNDERGROUND SPLICE CLOSURE	Tel. (919) 851-6866			
STALL CCTV CAMERA ASSEMBLY	51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	AND RESEAL	Fax. (919) 851-7024 www.stantec.com		T CONSIDERED FINAL	
ISTALL CCTV CAMERA WOOD POLE	52 INSTALL DELINEATOR MARKER	66 RESEAL EXISTING RISER USING HEAT SRINK TUBING	License No. F-0672	UNLESS ALL SIG	NATURES COMPLETED	
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	53 STORE 50 FEET OF COMMUNICATIONS CABLE	F0 NEW AERIAL FIBER OPTIC COMMUNINCATIONS CABLE	Prepared for the Offices of:	I-40 AND AVIATION PKWY.	SEAL	٦
ISTALL SPECIAL OVERSIZED JUNCTION BOX	LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE	NEW FIBER OPTIC COMMUNINCATIONS CABLE	THEILOW OF NORTH CARD			
6"(L)x36"(W)x24"(D) WITH 100 FEET OF OMMUNICATIONS CABLE	55 LASH CABLE(S) TO EXISTING MESSENGER CABLE		Division	ITS FIBER CABLE ROUTING	PRINCH CAROL	
ISTALL OVERSIZED JUNCTION BOX	56 LASH CABLE(S) TO NEW MESSENGER CABLE	$\rightarrow \times \rightarrow \times^{-}$ EXISTING FENCE LINE	Intelli		Betsey L. Watson	
EUSE EXISTING METAL CCTV CAMERA POLE WITH EW POLE FOUNDATION	57 MODIFY EXISTING ELECTRICAL SERVICE	PROPOSED FENCE LINE	TE TRANSPORT	DIV 5 WAKE CO. TOWN OF C. PLAN DATE: 2017 REVIEWED BY: D. HARR	ARY 35E77BB34F8743F29449	
ISTALL WOOD POLE	58 INSTALL NEW ELECTRICAL SERVICE	PROPOSED RIGHT-OF-WAY LINE	<sup>72n</sup> sportation 5° 750 N. Greenfield Pkwy. , Garner, NC 27529			
MOVE EXISTING WOOD POLE	59 INSTALL NEW BASE MOUNTED CABINET (336)	(() Flat panel antenna (Single)	SCALE	REVISIONS INIT.	DATE 11/30/2017	
ISTALL AERIAL GUY ASSEMBLY		x			SIGNATURE DATE	_
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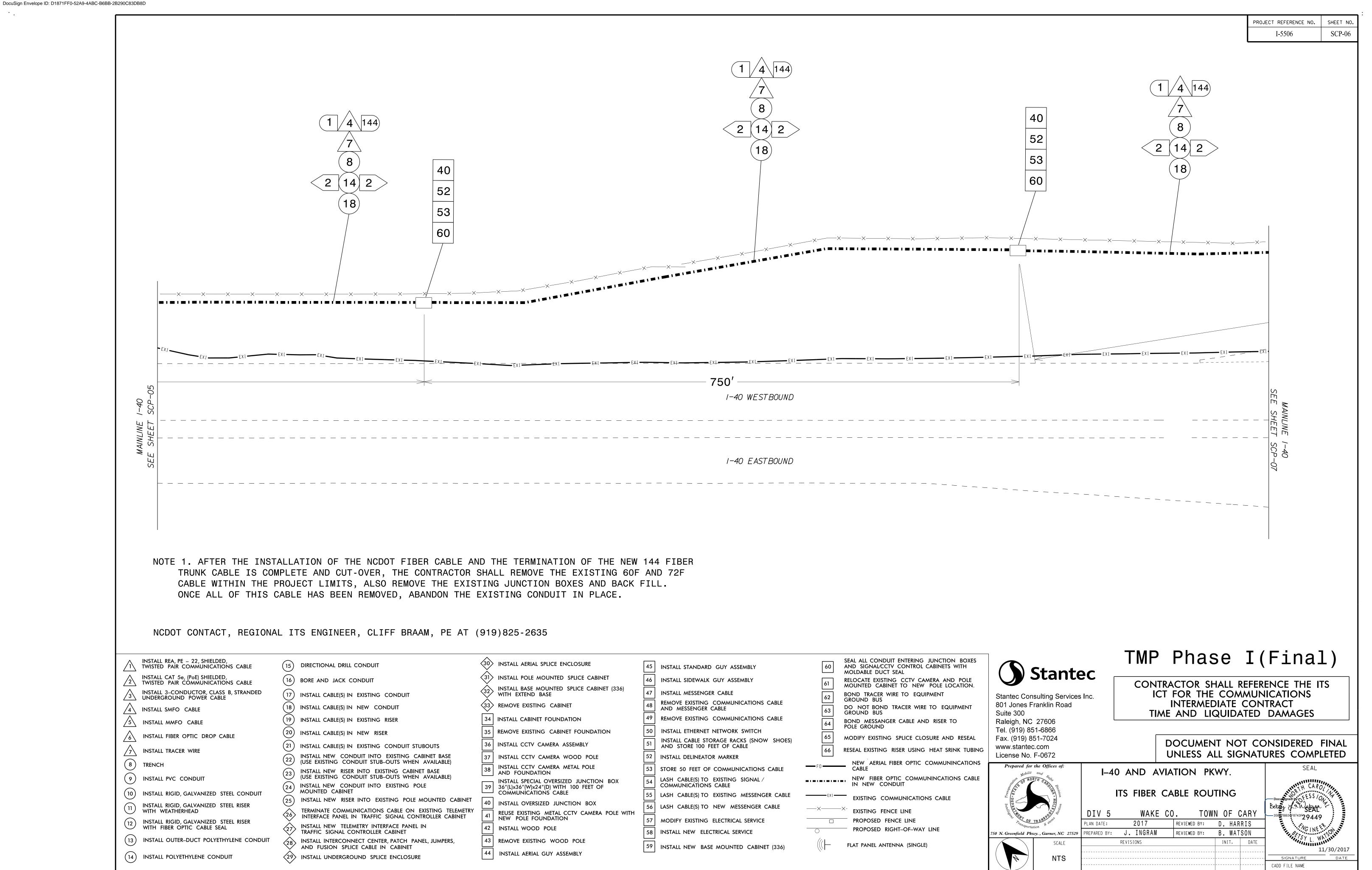
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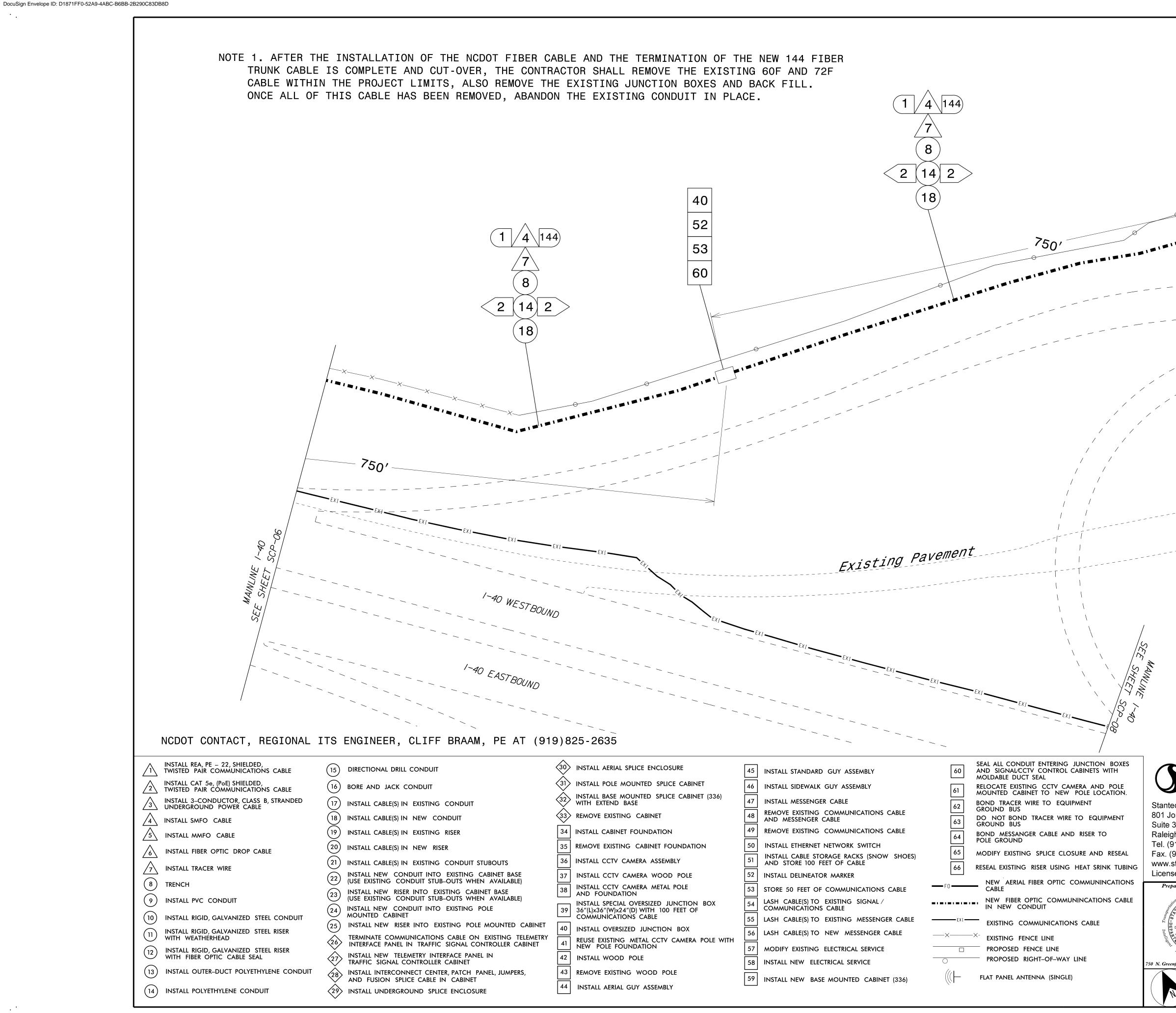
ISTALL AERIAL SPLICE ENCLOSURE	45	INSTALL STANDARD GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL	(
ISTALL POLE MOUNTED SPLICE CABINET	46	INSTALL SIDEWALK GUY ASSEMBLY	61	RELOCATE EXISTING CCTV CAMERA AND POLE	
ISTALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	47	INSTALL MESSENGER CABLE	62	MOUNTED CABINET TO NEW POLE LOCATION. BOND TRACER WIRE TO EQUIPMENT	Star
MOVE EXISTING CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	63	GROUND BUS DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	801
STALL CABINET FOUNDATION	49	REMOVE EXISTING COMMUNICATIONS CABLE	64	BOND MESSANGER CABLE AND RISER TO	Suit
MOVE EXISTING CABINET FOUNDATION	50	INSTALL ETHERNET NETWORK SWITCH		POLE GROUND	Tel.
STALL CCTV CAMERA ASSEMBLY	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	65	MODIFY EXISTING SPLICE CLOSURE AND RESEAL	Fax
ISTALL CCTV CAMERA WOOD POLE	52	INSTALL DELINEATOR MARKER	66	RESEAL EXISTING RISER USING HEAT SRINK TUBING	Lice
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	53	STORE 50 FEET OF COMMUNICATIONS CABLE	F 0	NEW AERIAL FIBER OPTIC COMMUNINCATIONS	P
ISTALL SPECIAL OVERSIZED JUNCTION BOX 6"(L)x36"(W)x24"(D) WITH 100 FEET OF	54	LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	
OMMUNICATIONS CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	EXI	EXISTING COMMUNICATIONS CABLE	T <sub>reas</sub>
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE	—X		Inn
USE EXISTING METAL CCTV CAMERA POLE WITH		1		EXISTING FENCE LINE	
	57	MODIFY EXISTING ELECTRICAL SERVICE		PROPOSED FENCE LINE	
ISTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE	0	PROPOSED RIGHT-OF-WAY LINE	750 N. G
MOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)		FLAT PANEL ANTENNA (SINGLE)	
ISTALL AERIAL GUY ASSEMBLY					





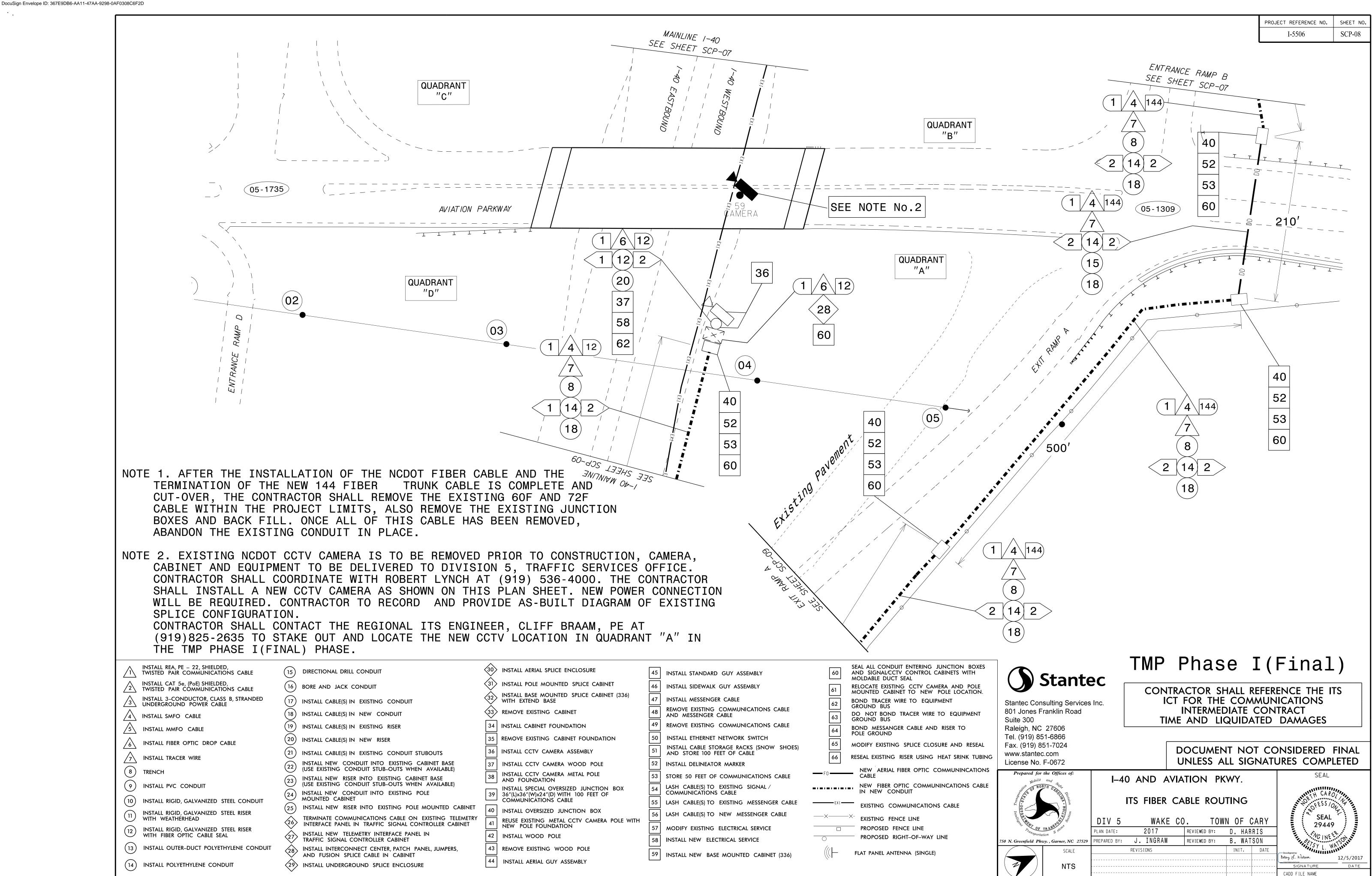
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STALL POLE MOUNTED SPLICE CABINET	46	INSTALL SIDEWALK GUY ASSEMBLY	61	RELOCATE EXISTING CCTV CAMERA AND POLE	
STALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	47	INSTALL MESSENGER CABLE	62	MOUNTED CABINET TO NEW POLE LOCATION. BOND TRACER WIRE TO EQUIPMENT GROUND BUS	Stan
MOVE EXISTING CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	63	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	801 Suite
STALL CABINET FOUNDATION	49	REMOVE EXISTING COMMUNICATIONS CABLE	64	BOND MESSANGER CABLE AND RISER TO	Rale
move existing cabinet foundation	50	INSTALL ETHERNET NETWORK SWITCH		POLE GROUND	Tel.
STALL CCTV CAMERA ASSEMBLY	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	65 66	MODIFY EXISTING SPLICE CLOSURE AND RESEAL RESEAL EXISTING RISER USING HEAT SRINK TUBING	Fax. www
ISTALL CCTV CAMERA WOOD POLE	52	INSTALL DELINEATOR MARKER	00		Lice
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	53	STORE 50 FEET OF COMMUNICATIONS CABLE	FO	NEW AERIAL FIBER OPTIC COMMUNINCATIONS	Pı
ISTALL SPECIAL OVERSIZED JUNCTION BOX 5"(L)x36"(W)x24"(D) WITH 100 FEET OF	54	LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	ś
OMMUNICATIONS CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	EXI	EXISTING COMMUNICATIONS CABLE	$Tran_{i}$
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE	——×——		Intel
USE EXISTING METAL CCTV CAMERA POLE WITH EW POLE FOUNDATION	57	MODIFY EXISTING ELECTRICAL SERVICE			a
ISTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE		PROPOSED RIGHT-OF-WAY LINE	'50 N. Gr
MOVE EXISTING WOOD POLE				FLAT PANEL ANTENNA (SINGLE)	
ISTALL AERIAL GUY ASSEMBLY	59	INSTALL NEW BASE MOUNTED CABINET (336)		TEAT TAILLE ANTENNA (SINOLL)	

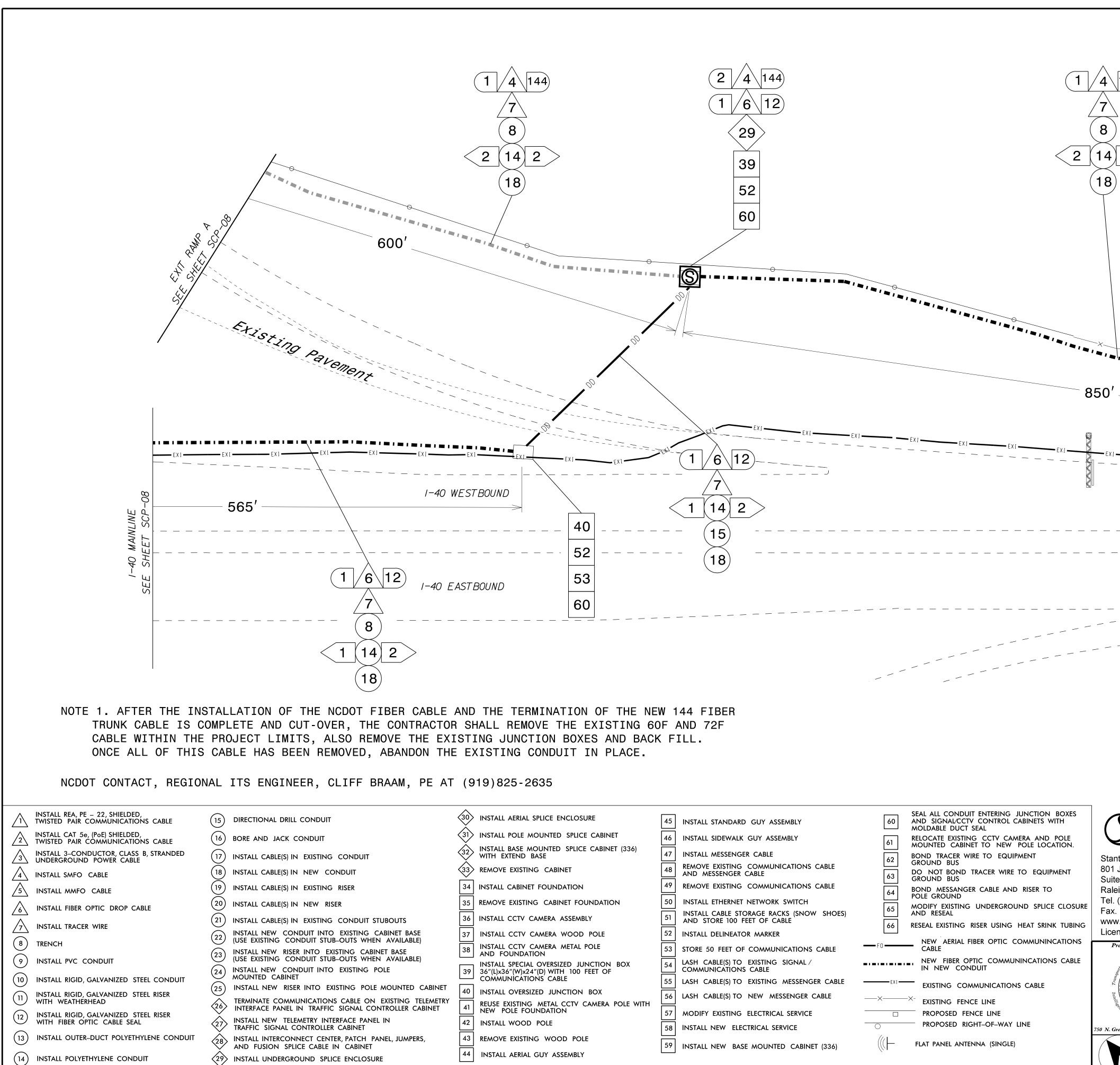


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ITS FIBER CABLE ROUTING	G ALLOP CAR	OL INANA
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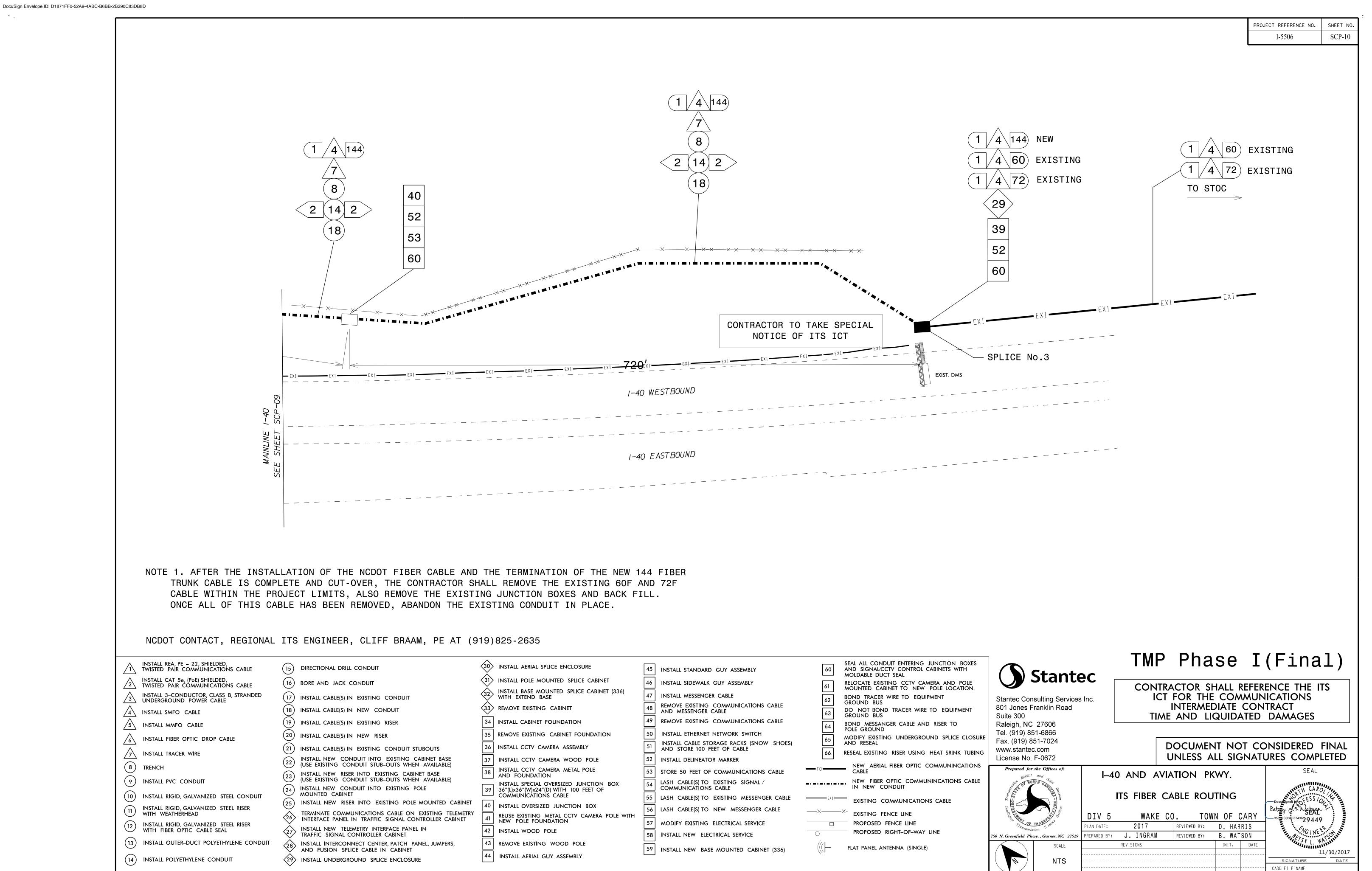
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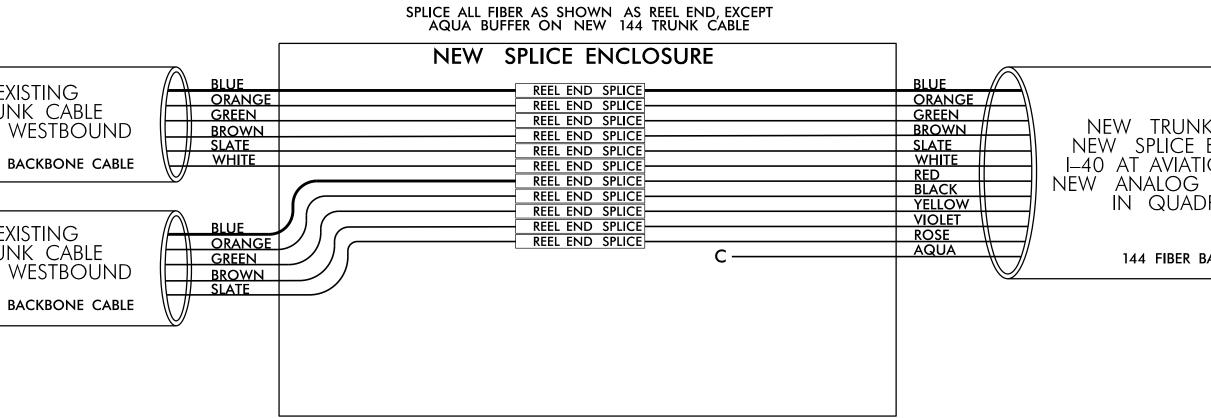


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STALL AERIAL SPLICE ENCLOSURE STALL POLE MOUNTED SPLICE CABINET STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE MOVE EXISTING CABINET STALL CABINET FOUNDATION MOVE EXISTING CABINET FOUNDATION STALL CCTV CAMERA ASSEMBLY STALL CCTV CAMERA WOOD POLE	<ul> <li>45 INSTALL STANDARD GUY ASSEMBLY</li> <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 NETWORK SWITCH</li> <li>51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE</li> <li>52 INSTALL DELINEATOR MARKER</li> </ul>	<ul> <li>SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL</li> <li>RELOCATE EXISTING CCTV CAMERA AND POLE MOUNTED CABINET TO NEW POLE LOCATION.</li> <li>BOND TRACER WIRE TO EQUIPMENT GROUND BUS</li> <li>DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS</li> <li>BOND MESSANGER CABLE AND RISER TO POLE GROUND</li> <li>MODIFY EXISTING UNDERGROUND SPLICE CLOSURE AND RESEAL</li> <li>RESEAL EXISTING RISER USING HEAT SRINK TUBING</li> <li>NEW AERIAL FIBER OPTIC COMMUNINCATIONS</li> </ul>	Stantec Consulting Services I 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672		EFERENCE THE I MUNICATIONS CONTRACT TED DAMAGES	FINAL
STALL CCTV CAMERA METAL POLE ID FOUNDATION STALL SPECIAL OVERSIZED JUNCTION BOX "(L)x36"(W)x24"(D) WITH 100 FEET OF OMMUNICATIONS CABLE STALL OVERSIZED JUNCTION BOX USE EXISTING METAL CCTV CAMERA POLE WITH W POLE FOUNDATION STALL WOOD POLE MOVE EXISTING WOOD POLE	<ul> <li>53 STORE 50 FEET OF COMMUNICATIONS CABLE</li> <li>54 LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE</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</li> </ul>	CABLE     NEW FIBER OPTIC COMMUNINCATIONS CABLE     IN NEW CONDUIT     EXISTING COMMUNICATIONS CABLE     X     EXISTING FENCE LINE     PROPOSED FENCE LINE     PROPOSED FENCE LINE     PROPOSED RIGHT-OF-WAY LINE	Parsportation S storns	I-40 AND AVIATION PKWY. ITS FIBER CABLE ROUTING DIV 5 WAKE CO. TOWN OF C PLAN DATE: 2017 REVIEWED BY: D. HARF PREPARED BY: J. INGRAM REVIEWED BY: B. WATS REVISIONS INIT.		
STALL AERIAL GUY ASSEMBLY	59 INSTALL NEW BASE MOUNTED CABINET (336)	(() I LAT I ANTE ANTENNA (SINGLE)	NTS		SIGNATURE	11/30/2017 DATE



STALL AERIAL SPLICE ENCLOSURE	45	INSTALL STANDARD GUY ASSEMBLY	6	0	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL	(
STALL POLE MOUNTED SPLICE CABINET	46	INSTALL SIDEWALK GUY ASSEMBLY	6		RELOCATE EXISTING CCTV CAMERA AND POLE	
STALL BASE MOUNTED SPLICE CABINET (336) ITH EXTEND BASE	47	INSTALL MESSENGER CABLE	6		MOUNTED CABINET TO NEW POLE LOCATION. BOND TRACER WIRE TO EQUIPMENT GROUND BUS	Star
MOVE EXISTING CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	6		DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	801 Suit
STALL CABINET FOUNDATION	49	REMOVE EXISTING COMMUNICATIONS CABLE	6		BOND MESSANGER CABLE AND RISER TO POLE GROUND	Rale
MOVE EXISTING CABINET FOUNDATION	50	INSTALL ETHERNET NETWORK SWITCH	6	$\exists$	MODIFY EXISTING UNDERGROUND SPLICE CLOSURE	Tel.
STALL CCTV CAMERA ASSEMBLY	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	6	<u> </u>	AND RESEAL RESEAL EXISTING RISER USING HEAT SRINK TUBING	Fax
ISTALL CCTV CAMERA WOOD POLE	52	INSTALL DELINEATOR MARKER	Ľ		,	Lice
ISTALL CCTV CAMERA METAL POLE ND FOUNDATION	53	STORE 50 FEET OF COMMUNICATIONS CABLE	—— F O —		NEW AERIAL FIBER OPTIC COMMUNINCATIONS CABLE	P
ISTALL SPECIAL OVERSIZED JUNCTION BOX 5"(L)x36"(W)x24"(D) WITH 100 FEET OF	54	lash cable(s) to existing signal / communications cable			NEW FIBER OPTIC COMMUNINCATIONS CABLE	
OMMUNICATIONS CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE		EX I	EXISTING COMMUNICATIONS CABLE	$T_{Par}$
ISTALL OVERSIZED JUNCTION BOX	56	LASH CABLE(S) TO NEW MESSENGER CABLE	—	×		Inte
USE EXISTING METAL CCTV CAMERA POLE WITH	H				EXISTING FENCE LINE	,
	57	MODIFY EXISTING ELECTRICAL SERVICE			PROPOSED FENCE LINE	
ISTALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE	0		PROPOSED RIGHT-OF-WAY LINE	750 N.G
MOVE EXISTING WOOD POLE				_	FLAT PANEL ANTENNA (SINGLE)	
ISTALL AERIAL GUY ASSEMBLY	59	INSTALL NEW BASE MOUNTED CABINET (336)				

	I-40 AND	NCLOSURE AT AIPORT BLVI IND EXIT RAM	D.	
	S	PLICE No.1		
			-	EX TRUN I-40 V 72 FIBER B
			_	EX TRUN I-40 V 60 fiber b.
TO ENG PLAN SUPF	NTRACTOR TO REC THE SUPPLIED SPL INEER TO DETERM IS TO THE ENGIN PLIED SPLICE DETA	ICE DETAILS. IF D NNE HOW TO P IEER IF FINAL SPLI ILS.	SPLICE ARRANGEMENT FOR COMPAR DISCREPANCIES EXIST, CONTACT THE ROCEED WITH RESPLICING. PROVID ICE ARRANGEMENT DIFFERS FROM PLICE TRAY THE FOLLOWING:	e as-buii
1.) SF 2.) D 3.) C 4.) N PRIOR T PHOTO	OMPANY NAME IAME OF INDIVIDU TO INSTALLING TI GRAPH SHOWING	AL PERFORMING HE COVER ON TH THE SPLICE TRAY		
COLOR C TIA/EIA 5	598–A	<u>LEGEND</u> X = FUSION C = CAP IN	SPLICE	<u>STA</u> 1. U <u>1</u>
<ul> <li>(1) BLUE</li> <li>(2) ORANGE</li> <li>(3) GREEN</li> <li>(4) BROWN</li> <li>(5) SLATE</li> <li>(6) WHITE</li> </ul>	<ul> <li>(7) RED</li> <li>(8) BLACK</li> <li>(9) YELLOW</li> <li>(10) VIOLET</li> <li>(11) ROSE</li> <li>(12) AQUA</li> </ul>	EXPRESS =	EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING SPLICE ENTIRE BUFFER TUBE SPLICE LIKE FIBER TO LIKE FIBER	S 2. UI IN 3. ET A





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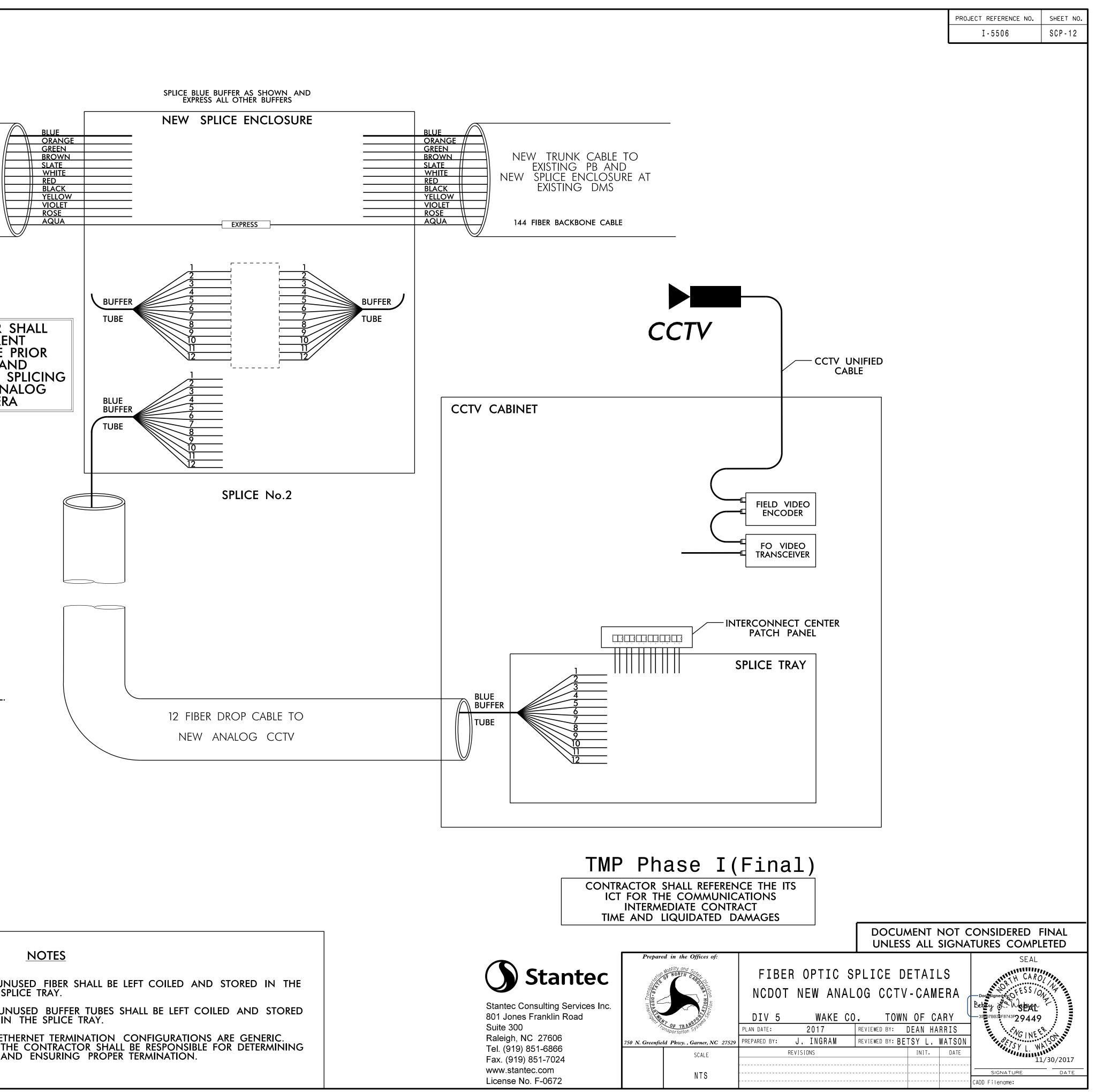
ANDARD NOTES: JNUSED FIBER SHALL BE LEFT COILED AND STORED IN THE SPLICE TRAY. UNUSED BUFFER TUBES SHALL BE LEFT COILED AND STORED IN THE SPLICE TRAY. ETHERNET TERMINATION CONFIGURATIONS ARE GENERIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATION.

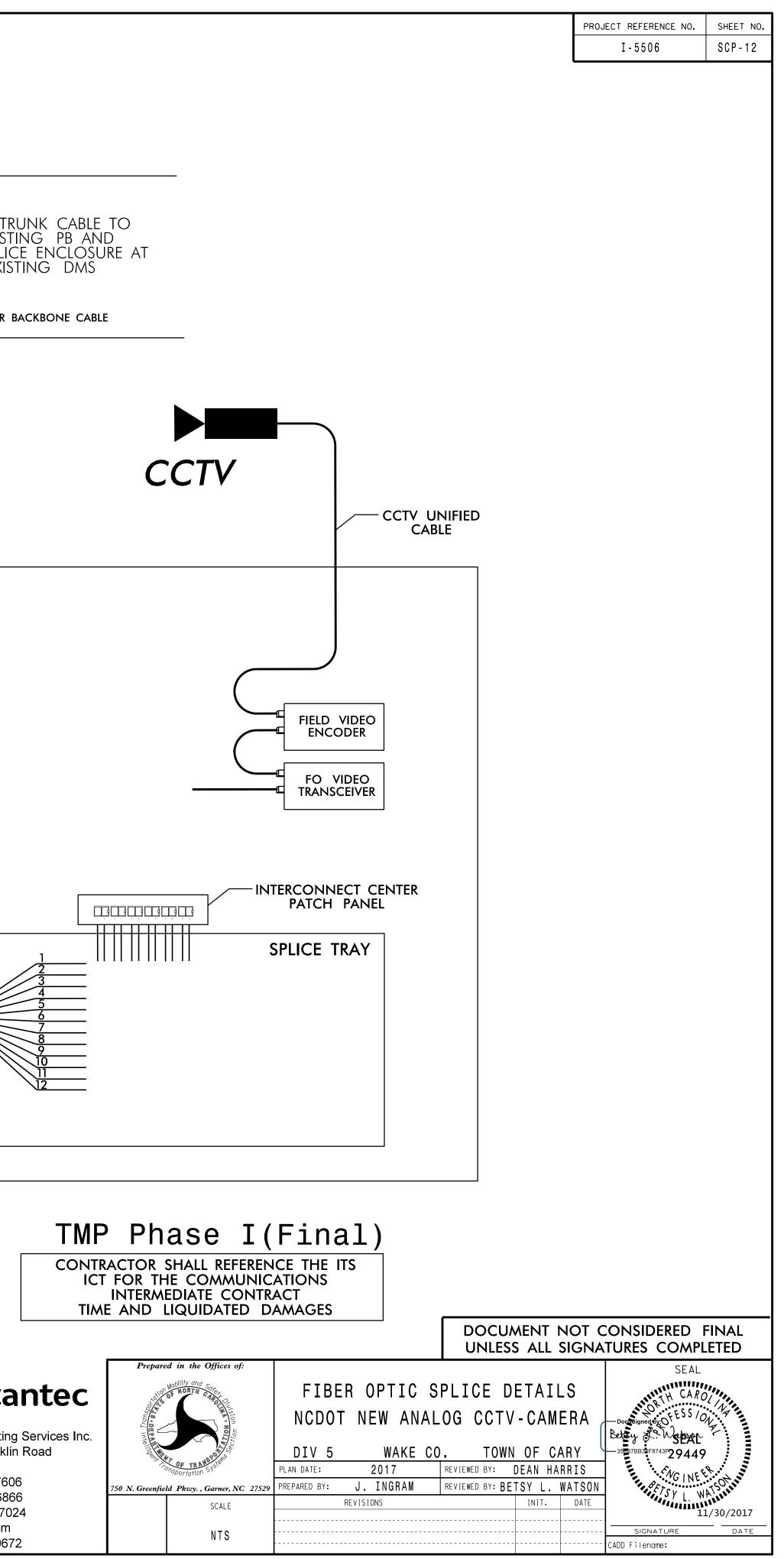


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		PROJECT REFERENCE NO.	SHEET NO.
		I - 5506	SCP - 11
TRUNK CABLE TO			
PLICE ENCLOSURE AT AVIATION PARKWAY			
alog cctv_camera			
quadrant "a"			
FIBER BACKBONE CABLE			
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	TMP Phase	⊥(⊦ınal	-)
	CONTRACTOR SHALL R ICT FOR THE COM	MUNICATIONS	
	INTERMEDIATE TIME AND LIQUIDA	CONTRACT	
	DOCUMENT N	OT CONSIDERED	INAL
-		IGNATURES COMPL	
Prepared in the Offices of:		SEAL	
NORTH CAR	FIBER OPTIC SPLICE DETAILS	S THE CARO	
	BEGIN NCDOT TRUNK FIBER	Doctsigned by OFESS /O	
and a second sec	DIV 5 WAKE CO. TOWN OF CAF	Y Betty & Matrice 355 57883 F8743F2 0 4 4 0	
Consportation Systems	PLAN DATE: 2017 REVIEWED BY: DEAN HARF		
750 N. Greenfield Pkwy. , Garner, NC 275			6.70.1
SCALE			Tours
SUALE	29         PREPARED BY:         J. INGRAM         REVIEWED BY:         BETSY L.         WA           REVISIONS	DATE L. WI	/30/2017
NTS		DATE L. WI	/30/2017 

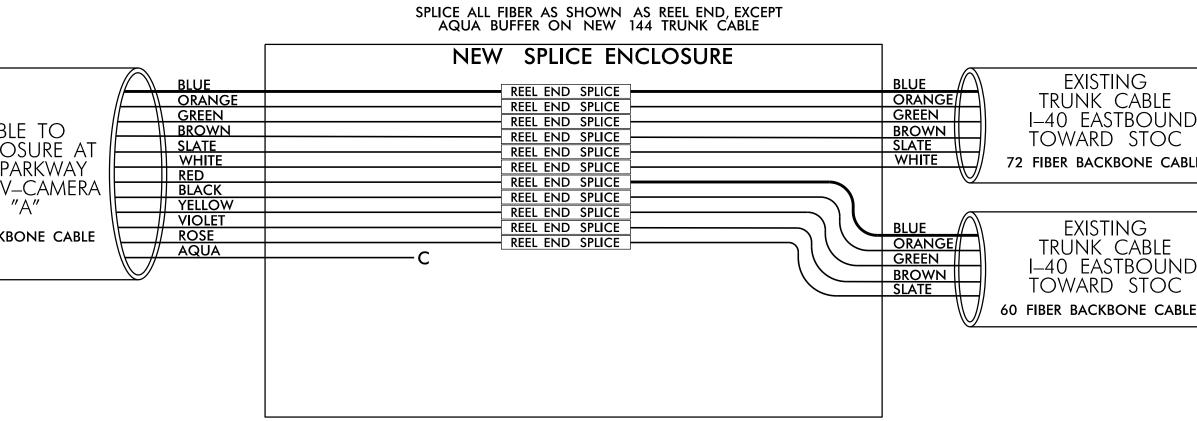
	SPLICE EN I-40 AT AVIA CCTV CAMERA I		VAY		
	SPLIC	E No.2 _			//
			e Spli Beginng	' TRUNK CABLE EXISTING PB ANE CE ENCLOSURE / OF FIBER REPLA FIBER BACKBONE CABL	D AT CEMENT
				RECO SPLICING TO R REPLICATE T FOR THE	ITRACTOR S RD CURREN SCHEME EMOVAL AN HE SAME S NEW AN TV CAMER
ETHERN	DAYS PRIOR TO BEG RAAM, PE, AT (919)825- ET SWITCH WITH THE ING BUT NOT LIMITE	E NECESSARY N	ETWORK CO	HE "NCDOT" ITS, ROGRAMING THE NFIGURATION DA	FIELD
ÍNFC 2.) NOT FIBEI	PROJECT IP ADDRESS, DRMATION. IFY THE ENGINEER AF R CIRCUITS ARE FUNC RK IS NOT COMPLETE	TER ALL WORK TIONING PROP	IS PERFORMI ERLY.	ED TO ENSURE T	HAT ALL
TO TH ENGINE PLANS	ACTOR TO RECORD E E SUPPLIED SPLICE DE ER TO DETERMINE HO TO THE ENGINEER IF D SPLICE DETAILS.	TAILS. IF DISCR OW TO PROCE	EPANCIES EX ED WITH RI	IST, CONTACT THE ESPLICING. PROVID	E AS-BUILT
3) TRANSC RESPON	EIVER TERMINATION	CONFIGURATION NG AND ENSU	NS ARE GENI IRING PROPE	ERIC. CONTRACTO ER TERMINATIONS.	DR IS
REFERENCE 1.) SPLIC 2.) DATI 3.) COM 4.) NAM PRIOR TO PHOTOGRA	E ON THE COVER OF SECTION 1731 "FIBER E LOCATION MPANY NAME NE OF INDIVIDUAL PER INSTALLING THE CO APH SHOWING THE S 4) AND SUBMIT PHOTO	R OPTIC SPLICE FORMING THE VER ON THE SI SPLICE TRAY AN	ENCLOSURE SPLICING PLICE TRAY T D INFORMAT	" AKE A DIGITAL FION SHOWN	
COLOR TIA/EIA (1) BLUE (2) ORANGE (3) GREEN (4) BROWN (5) SLATE (6) WHITE		LEGEND $X = FUSION$ $C = CAP IN$ $EXPRESS =$	TRAY EXPRESS ENT	IRE BUFFER TUBE WITHOUT CUTTIN	NG 2. UN SP 2. UN IN 3. ETH TH AN







	I–40 AT EAST OF	E ENCLOSURE EXISTING DM ON RAMP TO ON PARKWAY			
	SPL	ICE No.3			
				NEW TRUI NEW SPLICE I–40 AT AVIA NEW ANALOG IN QUA 144 F	E ENCLO TION P G CCTV
1.) ( 1 E F	NOTES: CONTRACTOR TO RE TO THE SUPPLIED SP ENGINEER TO DETER PLANS TO THE ENGIN SUPPLIED SPLICE DET INCLUDE ON THE C	PLICE DETAILS. IF D MINE HOW TO P NEER IF FINAL SPLI AILS.	ISCREPANCIES EXIS ROCEED WITH RES CE ARRANGEMENT	T, CONTACT THE PLICING. PROVIDE DIFFERS FROM TH	AS-BUIL
REFI 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ERENCE SECTION 173 .) SPLICE LOCATION 2.) DATE 3.) COMPANY NAME 4.) NAME OF INDIVID DR TO INSTALLING DTOGRAPH SHOWING DVE (1–4) AND SUBMI	31 "FIBER OPTIC SF UAL PERFORMING THE COVER ON TI G THE SPLICE TRAY	PLICE ENCLOSURE" THE SPLICING HE SPLICE TRAY TAI ' AND INFORMATIO	KE A DIGITAL DN SHOWN	
COLO TIA/EIA (1) BLUE (2) ORANO (3) GREEN (4) BROWI (5) SLATE (6) WHITE	(7) RED GE (8) BLACK I (9) YELLOW N (10) VIOLET (11) ROSE	$\frac{\text{LEGEND}}{X = FUSION}$ $C = CAP IN$ $EXPRESS =$ $REEL END SPLICE =$	SPLICE TRAY EXPRESS ENTIRE BU THROUGH WITH SPLICE ENTIRE BUF	IOUT CUTTING	STAN 1. UN SF 2. UN IN 3. ETI TH AN







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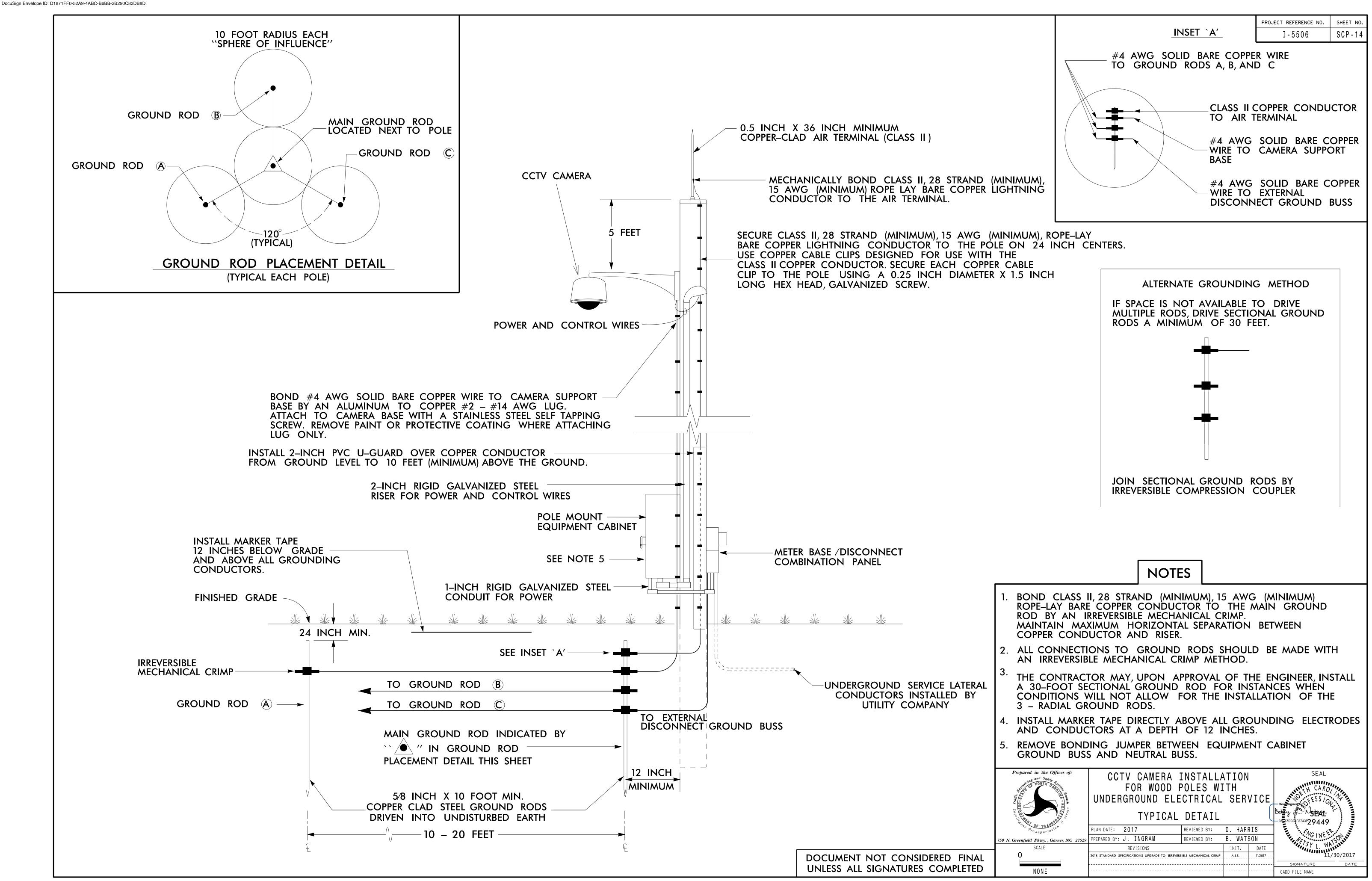
NDARD NOTES:

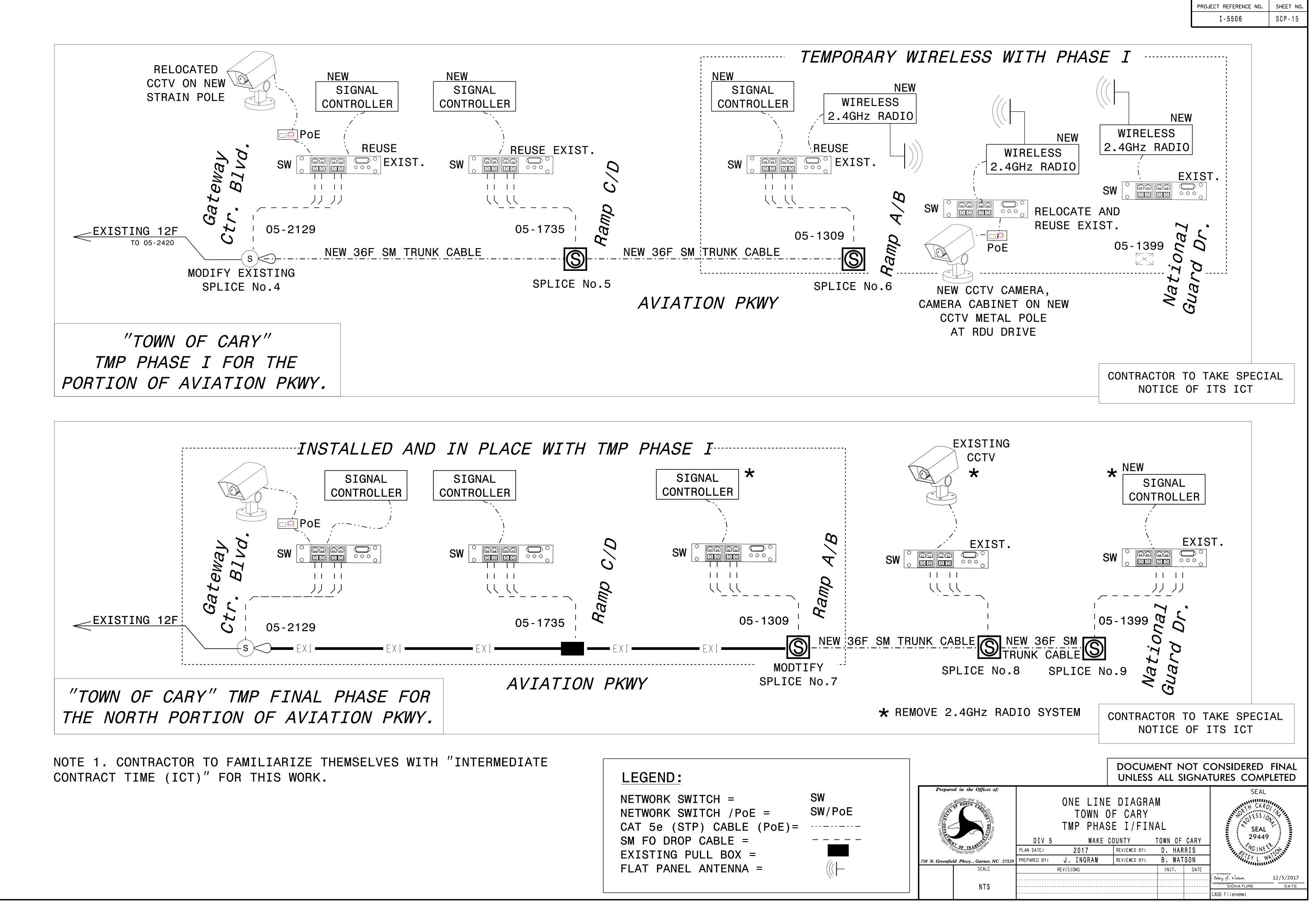
NUSED FIBER SHALL BE LEFT COILED AND STORED IN THE PLICE TRAY.

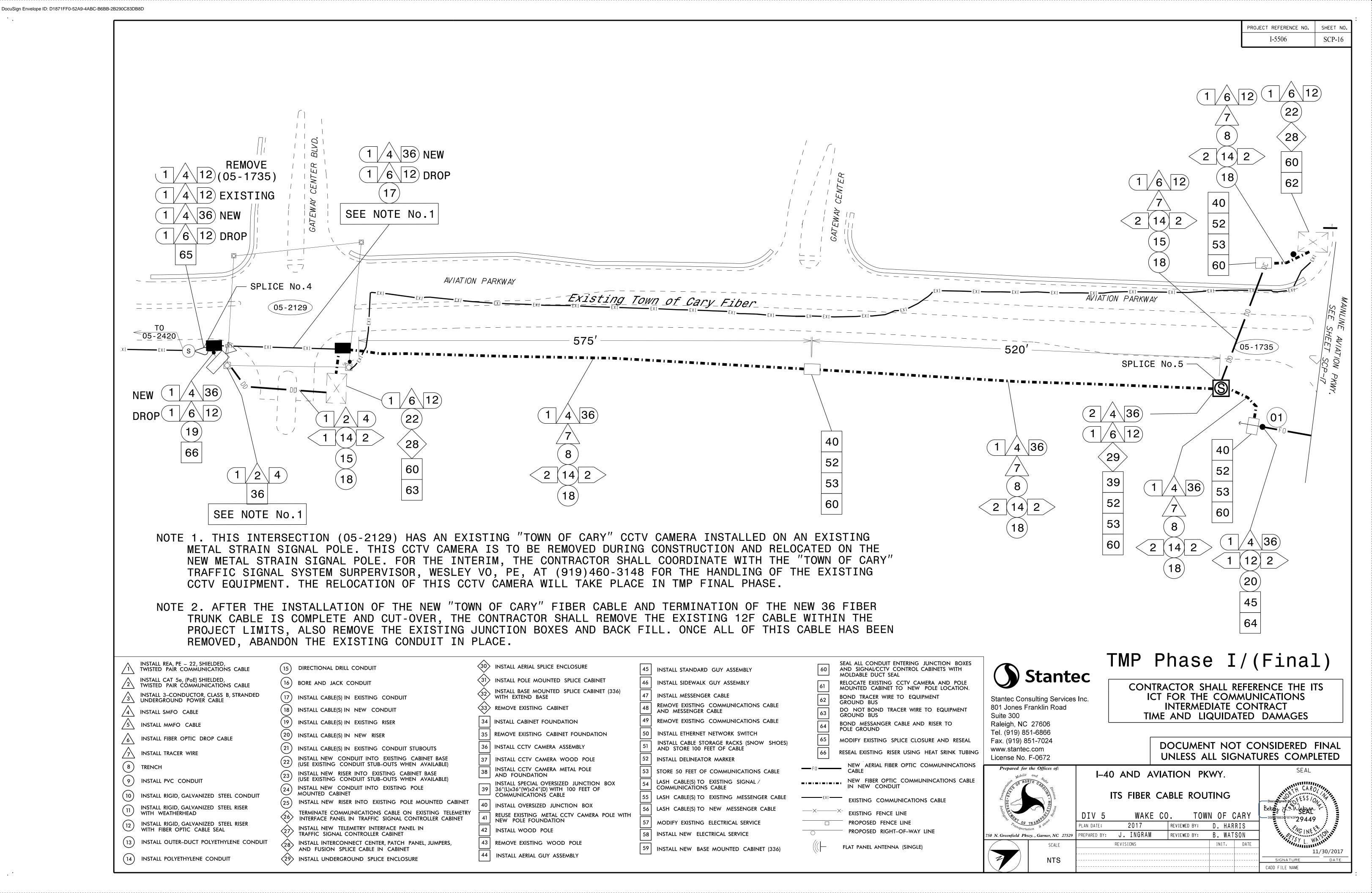
NUSED BUFFER TUBES SHALL BE LEFT COILED AND STORED N THE SPLICE TRAY.

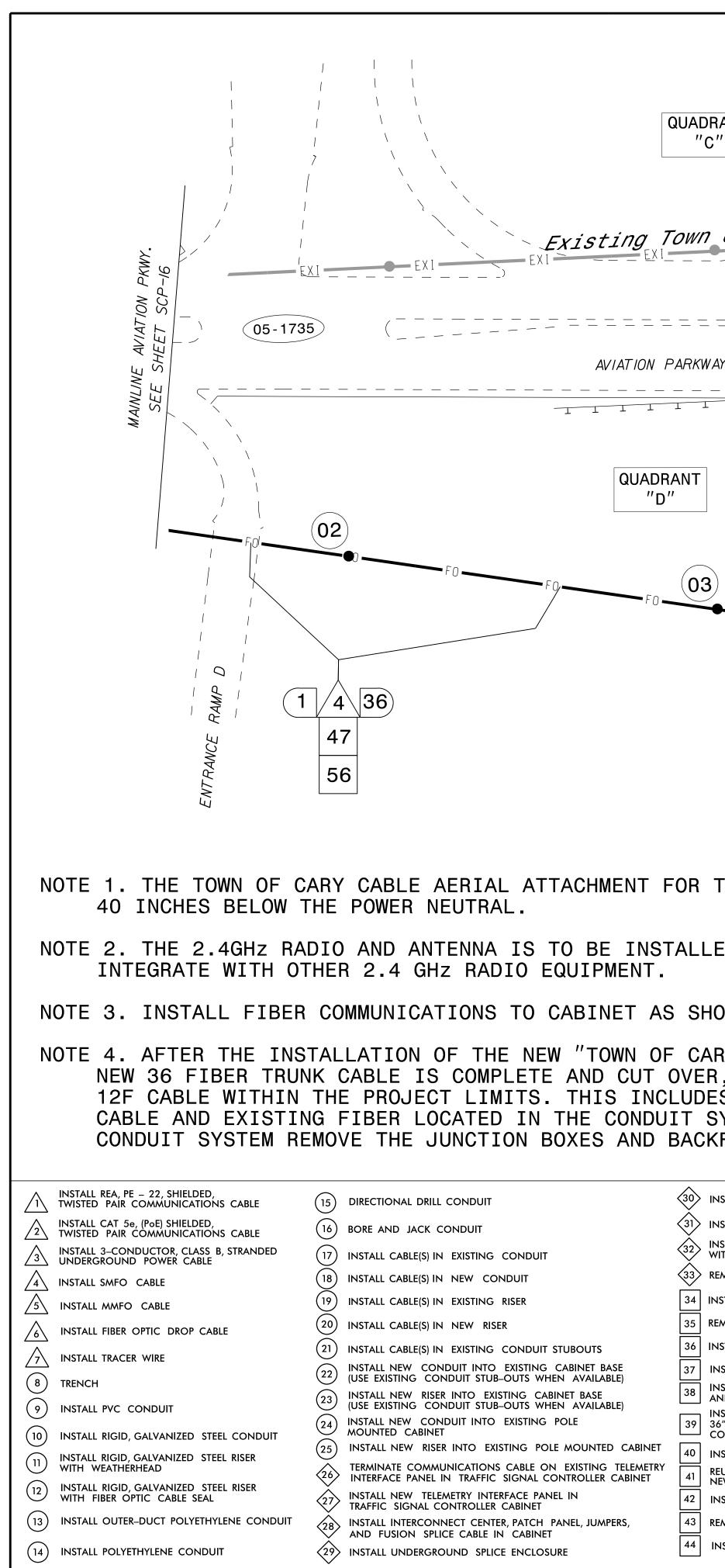
THERNET TERMINATION CONFIGURATIONS ARE GENERIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATION.

				PROJECT REFERENCE NO.	SHEET NO.
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D B	le Und DC				
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D ) [/	le UND DC				
	CABLE				
			TMP Phase	I(Final	
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			CONTRACTOR SHALL RE		
			INTERMEDIATE CO TIME AND LIQUIDAT	ONTRACT	
				OT CONSIDERED F	
,		1. 1.00		GNATURES COMPL	
		d in the Offices of:	FIBER OPTIC SPLICE DETAILS	SEAL	1 <sub>1110</sub>
			END NCDOT TRUNK FIBER	Dectringentive FESS/0	N. T.
		Section .	DIV 5 WAKE CO. TOWN OF CAR	Betty 2. Water	
		NSportation SUST	PLAN DATE: 2017 REVIEWED BY: DEAN HARR	IS NGINER	
ŀ	750 N. Greenfie	<b>d Pkwy. , Garner, NC 27529</b> SCALE	PREPARED BY:         J. INGRAM         REVIEWED BY:         BETSY L.         WA           REVISIONS         INIT.         INIT	TSON DATE	iiii
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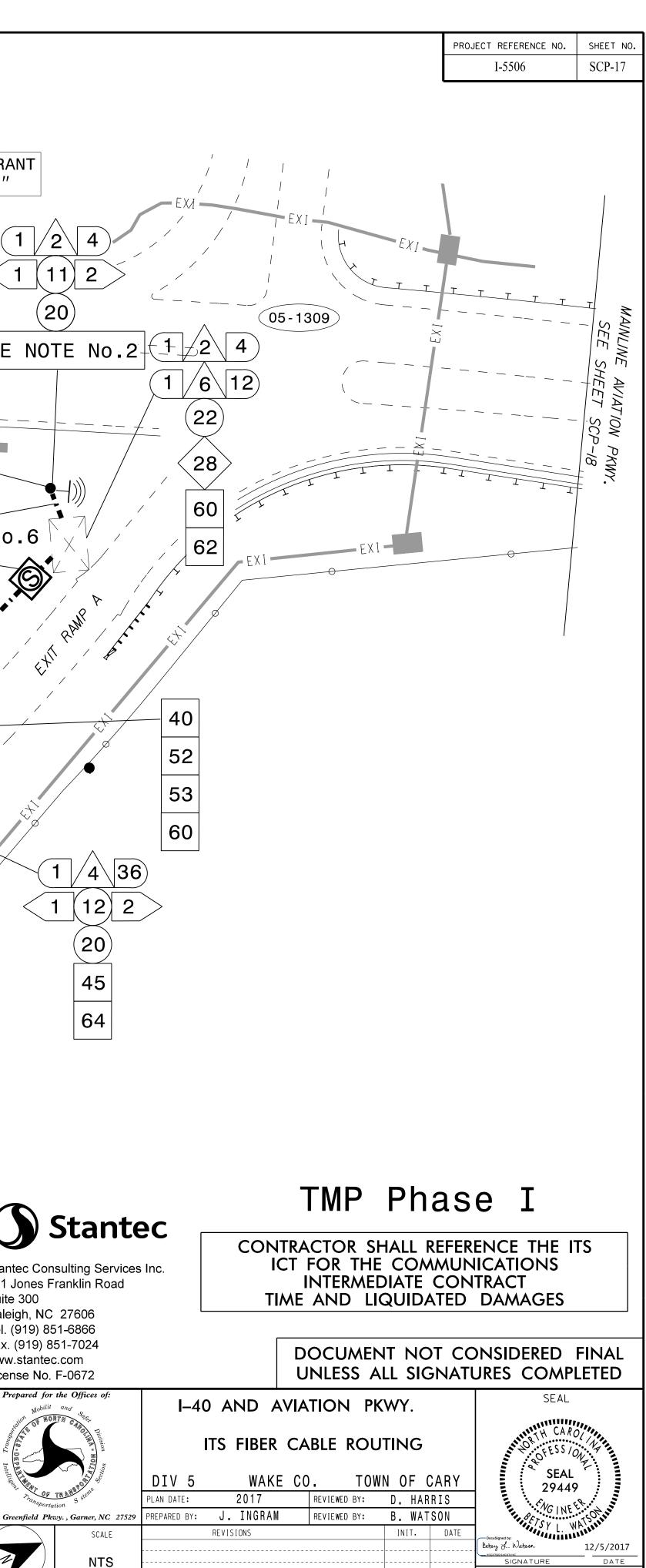




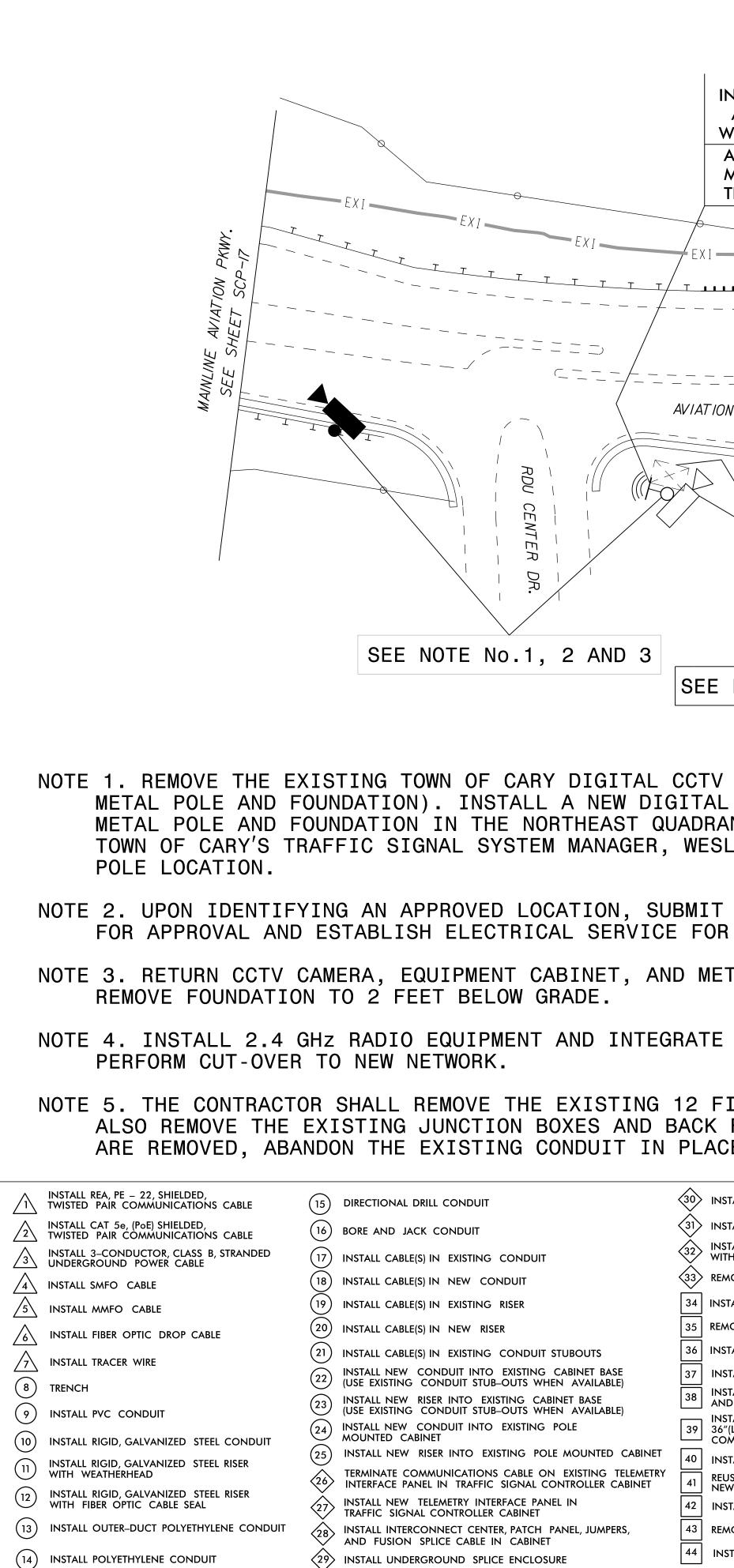


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ANT // // // // // // // // // // // // //	EXI EXI	INSTALL 20DBi GAIN FL ANTENNA FOR 2.4 G WITH HORIZONTAL PO ATTACH ANTENNA ON A MINIMUM OF 6 FEE SIGNAL SPAN WIRE CON	Hz RADIO LARIZATION SIGNAL POLE T BELOW INECTION 36 12	JADRA "B"
		ADRANT "A" 60		
$F_{0} = F_{0} = \frac{1}{1} + F_$	//////////////////////////////////////	$   \begin{array}{c}     7 \\     8 \\     2 \\     14 \\     18   \end{array}   $	SPLICE	No
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		47		$\prec$
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THE NEW POLE LINE SHA	ALL BE ATTACHED		cable st	
ED TEMPORALLY ON THIS	S SIGNAL POLE,		NCDOT	
OWN .			no Nu	
			(19	
RY" FIBER CABLE AND T , THE CONTRACTOR SHA S THE REMOVAL OF THE YSTEMS. ONCE ALL CAB FILL. ABANDON THE EX	LL REMOVE THE EXIST OVERHEAD CABLE, ME LES ARE REMOVED FRO	ING V' SSENGER M THE		_
ISTALL AERIAL SPLICE ENCLOSURE	45 INSTALL STANDARD GUY ASSEMBLY		ENTERING JUNCTION BOXES CONTROL CABINETS WITH EAL	
ISTALL POLE MOUNTED SPLICE CABINET	46 INSTALL SIDEWALK GUY ASSEMBLY		CCTV CAMERA AND POLE TO NEW POLE LOCATION.	
ITH EXTEND BASE	47 INSTALL MESSENGER CABLE 48 REMOVE EXISTING COMMUNICATIONS CA	62 BOND TRACER WIRI GROUND BUS		Stant 801 J
STALL CABINET FOUNDATION	49 AND MESSENGER CABLE 49 REMOVE EXISTING COMMUNICATIONS CA	63 GROUND BUS	CABLE AND RISER TO	Suite Ralei
move existing cabinet foundation	50 INSTALL ETHERNET NETWORK SWITCH	65 POLE GROUND		Tel. (
STALL CCTV CAMERA ASSEMBLY	51 INSTALL CABLE STORAGE RACKS (SNOW S AND STORE 100 FEET OF CABLE		SPLICE CLOSURE AND RESEAL SER USING HEAT SRINK TUBING	Fax.
ISTALL CCTV CAMERA WOOD POLE ISTALL CCTV CAMERA METAL POLE	52 INSTALL DELINEATOR MARKER	NEW AERIAL FIB		Licen
ND FOUNDATION ISTALL SPECIAL OVERSIZED JUNCTION BOX	53     STORE 50 FEET OF COMMUNICATIONS CA       54     LASH CABLE(S) TO EXISTING SIGNAL /	NEW FIBER OPTI		
6"(L)x36"(W)x24"(D) WITH 100 FEET OF OMMUNICATIONS CABLE	54COMMUNICATIONS CABLE55LASH CABLE(S) TO EXISTING MESSENGER	CABLEEXI EXISTING COMM	UII AUNICATIONS CABLE	Transport
ISTALL OVERSIZED JUNCTION BOX EUSE EXISTING METAL CCTV CAMERA POLE WITH	56 LASH CABLE(S) TO NEW MESSENGER CAB			Intellige
EW POLE FOUNDATION	57 MODIFY EXISTING ELECTRICAL SERVICE	PROPOSED FENC     PROPOSED RIGH		ې وې
EMOVE EXISTING WOOD POLE	58 INSTALL NEW ELECTRICAL SERVICE			750 N. Gre
ISTALL AERIAL GUY ASSEMBLY	59 INSTALL NEW BASE MOUNTED CABINET (	336) ((( - FLAT PANEL ANTENI	YA (JINULE)	



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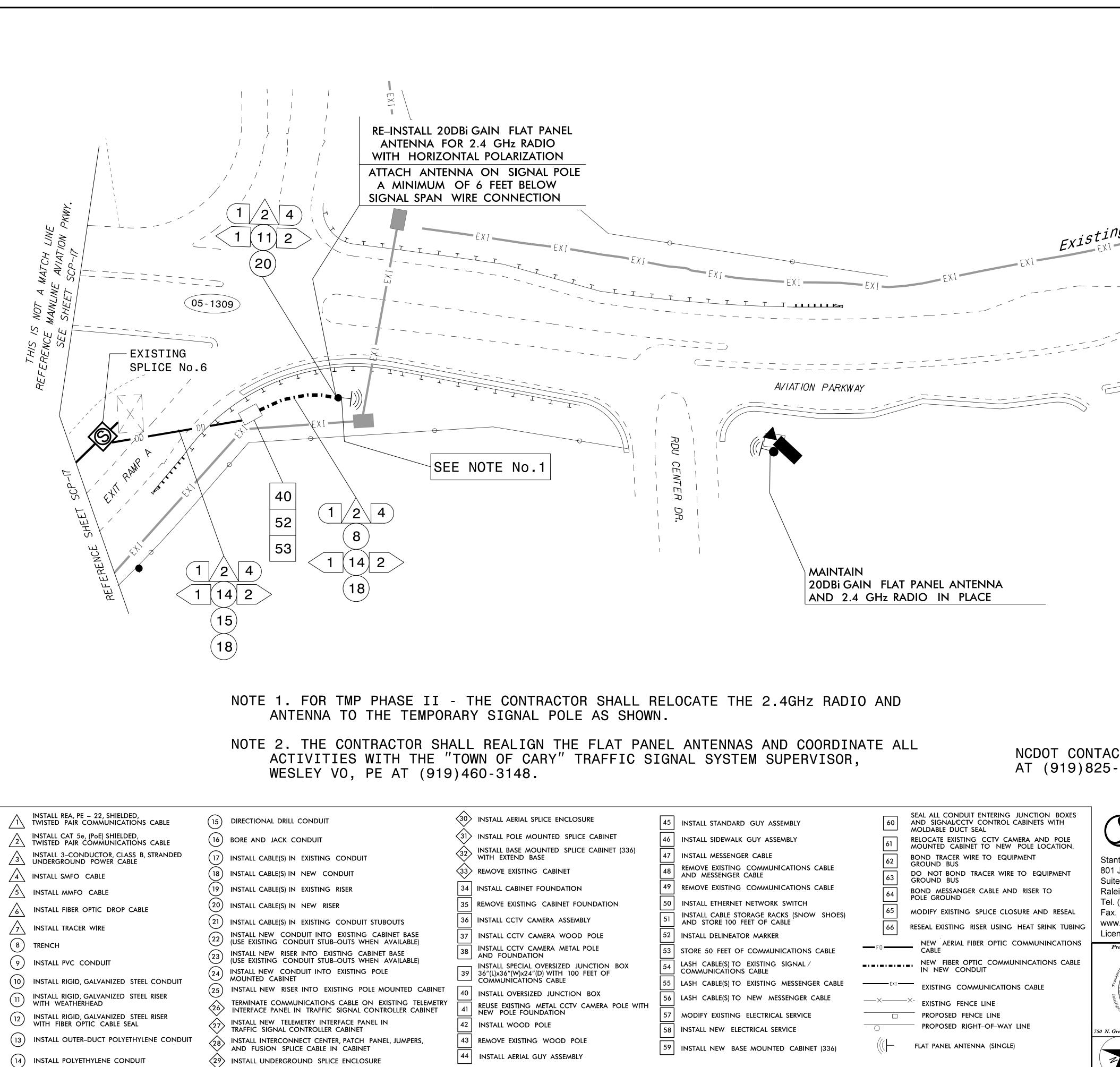


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					-	
					PROJECT REFERENCE NO.	SHEET NO.
					I-5506	SCP-18
NSTALL 20DBi GAIN FLAT PAN	NEL NO					
ANTENNA FOR 2.4 GHz RAD WITH HORIZONTAL POLARIZAT		Carv Fiber				
ATTACH ANTENNA TO CAME	ERA POLE A	of Cary EXI				
MINIMUM OF 6 FEET AWAY	FROM	EXI				
THE TOP OF POLE AND CCT	EXISEXI					
	EXI					
EXI		05-1399				
			147			
		INSTALL 20DBi GAIN FLAT PANEL				
DN PARKWAY		INSTALL 20DBi GAIN FLAT PANEL				
		ANTENNA FOR 2.4 GHz RADIO	GU			
	AT	TACH ANTENNA ALONG MAST ARM	GUARD			
	A	MINIMUM OF 6 FEET AWAY FROM THE VERTICAL SHAFT MEMBER	DR.			
36						
38						
58						
50	7					
NOTE No.1 and No.4						
CAMERA (INCLUDING	THE CARTNET					
_ CCTV CAMERA, EQUIF						,
ANT. OBTAIN APPROVAL	-	NOTES FOR WIRELESS COMMUNICATIONS:				
LEY VO, (919) 460-3	148 ON NEW	1. INSTALL COAXIAL CABLE: A. ON WOOD POLES, REQUIRING A NEW RIGID	GALVANIZED STEEL RISER, INSTALL A 2"	" RISER WITH WEATHERHEAD		
		AND ROUTE THE COAXIAL CABLE TO THE ANTE B. ON METAL POLES WITH MAST ARMS, RUN COA		ND OUT THE MAST ARM.		
FOUNDATION AND MET	AL POLE DETAILS	FIELD DRILL A 1/2" HOLE UP THROUGH THE BO	TTOM OF MAST ARM FOR INSTALLATIC	ON OF THE COAXIAL CABLE TO THE	ANTENNA.	
R NEW DIGITAL CCTV C		C. ON METAL STRAIN POLES, RUN COAXIAL CABLE AND ROUTE THE COAXIAL CABLE TO THE ANTE		HE WEATHERHEAD		
		D. BETWEEN THE POINT OF EXITING THE RISER, ME TO THE STRUCTURE USING 3/4" STAINLESS STEE		ITENNA, SECURE THE COAXIAL CABLE		
TAL POLE TO THE TOW	N OF CARY.	2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEE		XIAL CABLE IN THE SPARE RISER.		
		3. INSTALL WIRELESS ANTENNA ON POLE WITH RF W	ARNING SIGN.			
WITH OTHER 2.4 GHz	RADIO EQUIPMENT,	(NOTE: RF WARNING SIGN NOT REQUIRED WHEN				
		4. MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES 5. INSTALL WIRELESS SERIAL RADIO MODEM WITH EX				
		(NOTE: RF ANTENNA DISCONNECT SWITCH AND D			DOT-OWNED POLE.)	
IBER CABLE WITHIN T FILL. ONCE ALL CAE	BLE AND JUNCTION BOXES	6. REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DE	ETAILS."			
CE						
			-			
STALL AERIAL SPLICE ENCLOSURE	45 INSTALL STANDARD GUY ASSEMBLY	60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES		TMP Pha	ase I	
STALL POLE MOUNTED SPLICE CABINET	46 INSTALL SIDEWALK GUY ASSEMBLY	61 MOLDABLE DUCT SEAL RELOCATE EXISTING CCTV CAMERA AND POLE MOUNTED CABINET TO NEW POLE LOCATION.	Stantec			
STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE	47 INSTALL MESSENGER CABLE	BOND TRACER WIRE TO EQUIPMENT	Stantec Consulting Services Inc.	CONTRACTOR SHALL R ICT FOR THE COM		115
MOVE EXISTING CABINET	48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	GROUND BUS DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	801 Jones Franklin Road			
STALL CABINET FOUNDATION	49 REMOVE EXISTING COMMUNICATIONS CABLE	64 BOND MESSANGER CABLE AND RISER TO POLE GROUND	Suite 300 Raleigh, NC 27606	TIME AND LIQUIDA	ATED DAMAGES	
move existing cabinet foundation	50 INSTALL ETHERNET NETWORK SWITCH	65 MODIFY EXISTING SPLICE CLOSURE AND RESEAL	Tel. (919) 851-6866 Fax. (919) 851-7024			
STALL CCTV CAMERA ASSEMBLY	51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	66 RESEAL EXISTING RISER USING HEAT SRINK TUBING	www.stantec.com License No. F-0672	DOCUMENT NO		
STALL CCTV CAMERA WOOD POLE STALL CCTV CAMERA METAL POLE	52 INSTALL DELINEATOR MARKER 53 STORE 50 FEET OF COMMUNICATIONS CABLE	F0 NEW AERIAL FIBER OPTIC COMMUNINCATIONS	Prepared for the Offices of		SEAL	
ND FOUNDATION STALL SPECIAL OVERSIZED JUNCTION BOX	$\begin{bmatrix} 1 \\ 54 \end{bmatrix}$ LASH CABLE(S) TO EXISTING SIGNAL /	NEW FIBER OPTIC COMMUNINCATIONS CABLE IN NEW CONDUIT	Mobilit and Street	) AND AVIATION PKWY.		1117.
"(L)x36"(W)x24"(D) WITH 100 FEET OF DMMUNICATIONS CABLE	55 LASH CABLE(S) TO EXISTING MESSENGER CABLE	EXIT EXISTING COMMUNICATIONS CABLE	TTTT Internation	ITS FIBER CABLE ROUTING	STILLO EFSS	OI IN A
STALL OVERSIZED JUNCTION BOX	56 LASH CABLE(S) TO NEW MESSENGER CABLE	$\sim \times \sim \times^{-}$ EXISTING FENCE LINE				NAL.
USE EXISTING METAL CCTV CAMERA POLE WITH EW POLE FOUNDATION	57 MODIFY EXISTING ELECTRICAL SERVICE	PROPOSED FENCE LINE	PLAN DATE:	WAKE CO. TOWN OF C 2017 REVIEWED BY: D. HARF	🗧 🗧 🕹 Z 7 4 4	9
ISTALL WOOD POLE	58 INSTALL NEW ELECTRICAL SERVICE	PROPOSED RIGHT-OF-WAY LINE	750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY:	J. INGRAM REVIEWED BY: B. WATS	SON	WAT
ISTALL AERIAL GUY ASSEMBLY	59 INSTALL NEW BASE MOUNTED CABINET (336)	((() FLAT PANEL ANTENNA (SINGLE)	SCALE	REVISIONS INIT.	DATE Docusigned by: Betay L. Watson	12/5/2017
			NTS		SIGNATURE	DATE

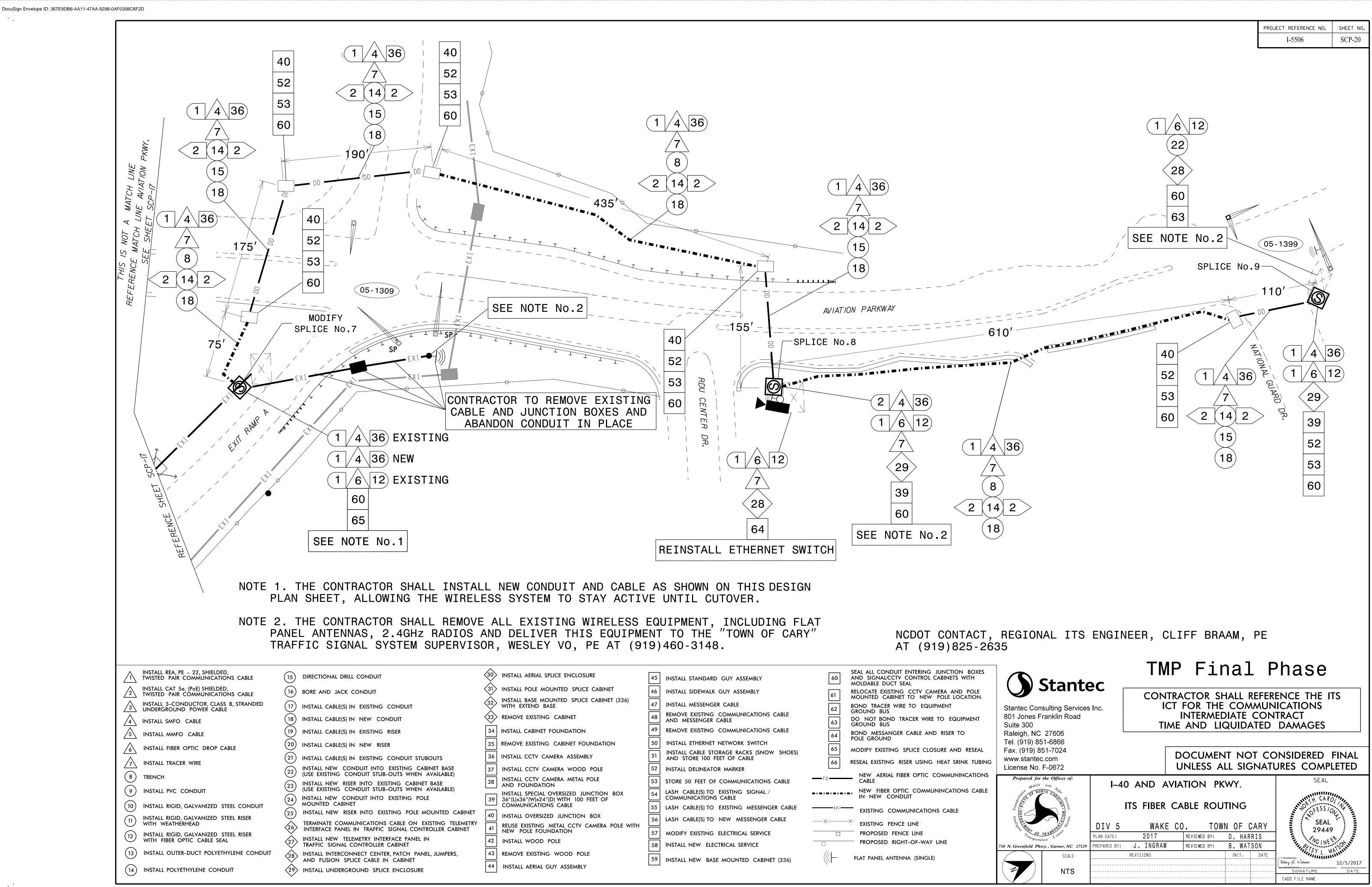
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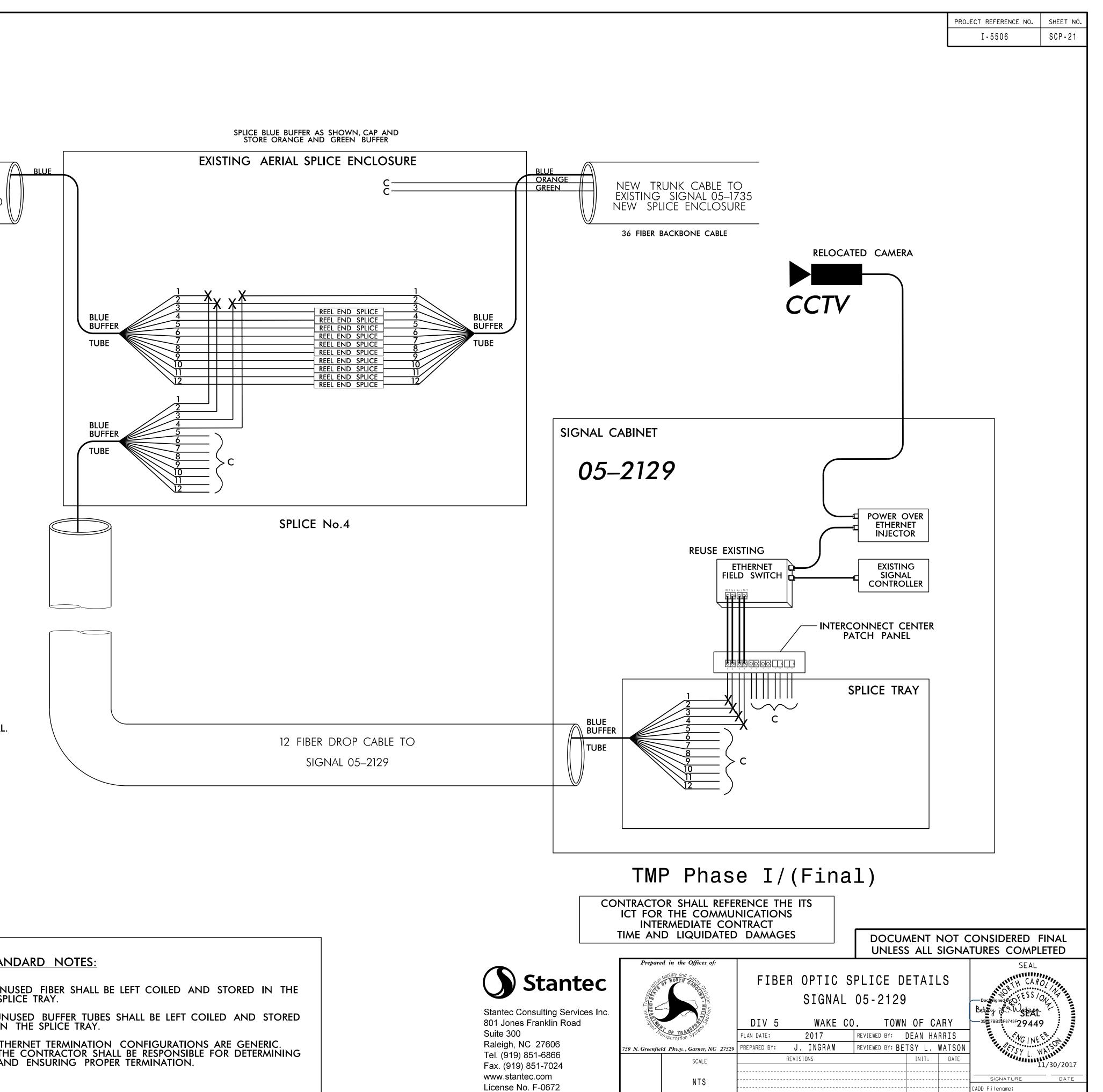
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A AND POLE DLE LOCATION.		Stante	ピレ	CON	NTRACTO	DR SH	ALL REI	FERE		TS
ENT		ulting Services	s Inc.		ICT FOR	THE	COMM	UNI	CATIONS	
EQUIPMENT	801 Jones Fra Suite 300			т			IATE CO QUIDATI		DAMAGES	
ISER TO	Raleigh, NC Tel. (919) 851									
E AND RESEAL	Fax. (919) 85 www.stantec.	1-7024			DOCI	UMEN	Γ ΝΟΤ	100	<b>NSIDERED</b>	FINAL
AT SRINK TUBING	License No. F	-0672			UNLE	SS AL	L SIGN	ATU	RES COMP	LETED
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	Intelligent Trans	RAMS Sterns	DIV 5 PLAN DATE:	<b>WAK</b> 2017	CE CO.		OF CAF		-35E 7BB34F8743F2944	9
E	750 N. Greenfield Pkwy			J. INGRA			B. WATSON	N	FILL BETSV	EX. SOTIN
		SCALE		REVISIONS			INIT. D	)ATE		11/30/2017
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				PROJECT REFERENCE NO. SHEET NO.
				I-5506 SCP-19
IN FLAT PANEL				
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	AVIATION PARKW	AY	MAINTAIN	
			20DBi GAIN FLAT PANEL ANTENNA	Z
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TE No.1				AD
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		AIN FLAT PANEL ANTENNA		
		4 GHz RADIO IN PLACE		
E CONTRACTOR SHALL F	RELOCATE THE 2.4GHz RADI	O AND		
SIGNAL POLE AS SHOW	Ν.			
	IEL ANTENNAS AND COORDIN			
OF CARY" TRAFFIC S	IGNAL SYSTEM SUPERVISOR		ITACT, REGIONAL ITS ENGINEER, CLI	FF BRAAM, PE
-3148.		' AT (919)8	20-2030	
				nase II 🛛
STALL AERIAL SPLICE ENCLOSURE	45 INSTALL STANDARD GUY ASSEMBLY	60 SEAL ALL CONDUIT ENTERING JUNCTION BOXES		
STALL POLE MOUNTED SPLICE CABINET	46 INSTALL SIDEWALK GUY ASSEMBLY	MOLDABLE DUCT SEAL		
STALL BASE MOUNTED SPLICE CABINET (336)	47 INSTALL MESSENGER CABLE	61 RELOCATE EXISTING CCTV CAMERA AND POLE MOUNTED CABINET TO NEW POLE LOCATION.		ALL REFERENCE THE ITS
TH EXTEND BASE	REMOVE EXISTING COMMUNICATIONS CABLE	62 BOND TRACER WIRE TO EQUIPMENT GROUND BUS		COMMUNICATIONS
MOVE EXISTING CABINET	AND MESSENGER CABLE	63 DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS		QUIDATED DAMAGES
STALL CABINET FOUNDATION	49 REMOVE EXISTING COMMUNICATIONS CABLE	64 BOND MESSANGER CABLE AND RISER TO POLE GROUND	Raleigh, NC 27606	
MOVE EXISTING CABINET FOUNDATION	50 INSTALL ETHERNET NETWORK SWITCH	65 MODIFY EXISTING SPLICE CLOSURE AND RESEAL	Tel. (919) 851-6866 Fax. (919) 851-7024	
STALL CCTV CAMERA ASSEMBLY	51 INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	66 RESEAL EXISTING RISER USING HEAT SRINK TUBING	www.stantec.com	T NOT CONSIDERED FINAL
STALL CCTV CAMERA WOOD POLE	52 INSTALL DELINEATOR MARKER			LL SIGNATURES COMPLETED
STALL CCTV CAMERA METAL POLE	53 STORE 50 FEET OF COMMUNICATIONS CABLE	CABLE	Prepared for the Offices of: Mo <sup>bilit</sup> and I-40 AND AVIATION PK	WY. SEAL
STALL SPECIAL OVERSIZED JUNCTION BOX	54 LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE	NEW FIBER OPTIC COMMUNINCATIONS CABLE	A VILLE NORTH CARE	
"(L)x36"(W)x24"(D) WITH 100 FEET OF DMMUNICATIONS CABLE	55 LASH CABLE(S) TO EXISTING MESSENGER CABLE	EXISTING COMMUNICATIONS CABLE	ITS FIBER CABLE ROU	-Docustaned by:
STALL OVERSIZED JUNCTION BOX	56 LASH CABLE(S) TO NEW MESSENGER CABLE		(TMP PHASE II – CABLE R	
USE EXISTING METAL CCTV CAMERA POLE WITH EW POLE FOUNDATION	57 MODIFY EXISTING ELECTRICAL SERVICE	EXISTING FENCE LINE     PROPOSED FENCE LINE		N UF CARY
STALL WOOD POLE	58 INSTALL NEW ELECTRICAL SERVICE		PLAN DATE:     2017     REVIEWED BY:       750 N. Greenfield Pkwy., Garner, NC 27529     PREPARED BY:     J. INGRAM     REVIEWED BY:	D. HARRIS B. WATSON
MOVE EXISTING WOOD POLE		(((	SCALE REVISIONS	INIT. DATE
ISTALL AERIAL GUY ASSEMBLY	59 INSTALL NEW BASE MOUNTED CABINET (336)		NTS	11/30/2017 
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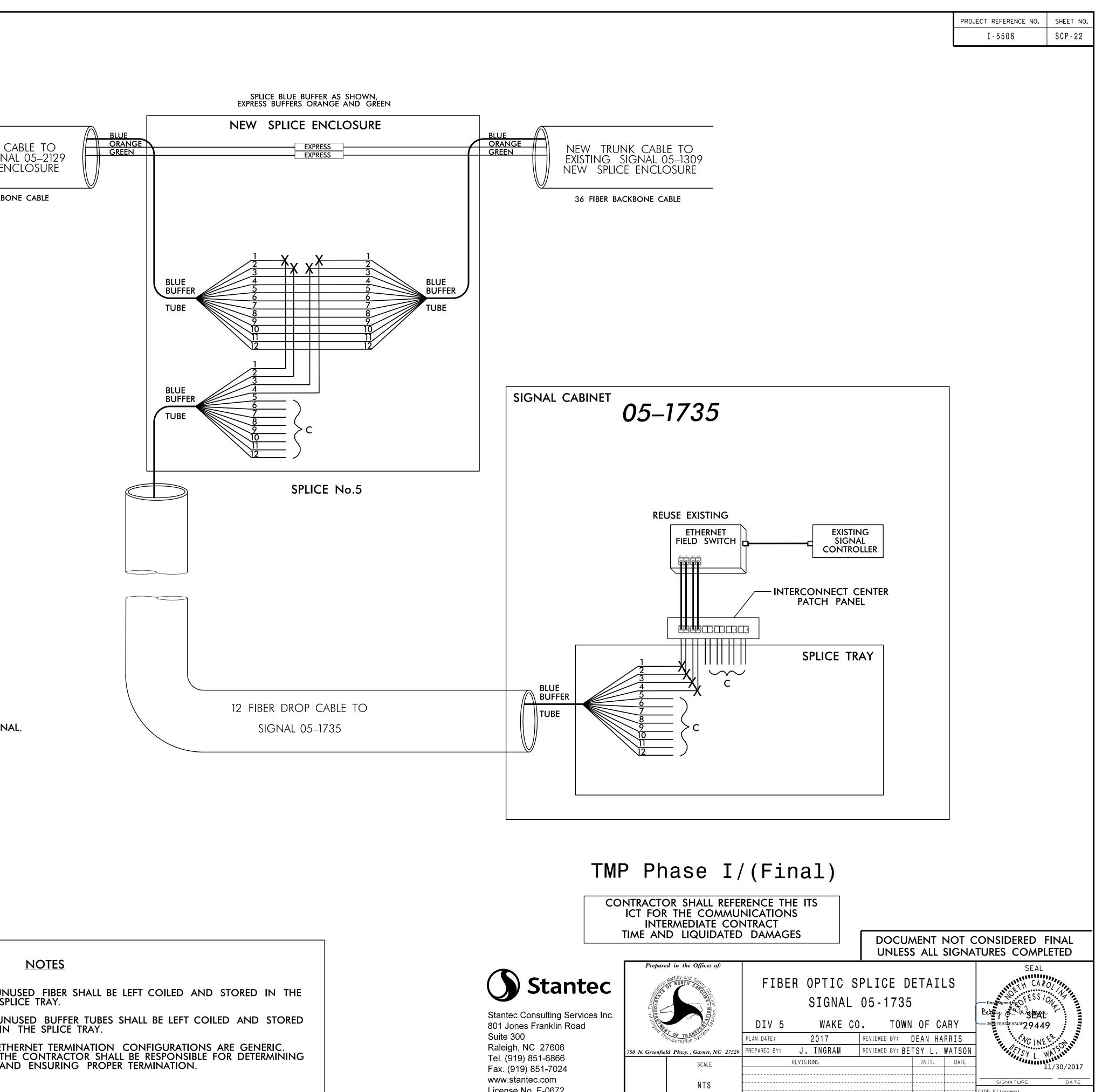


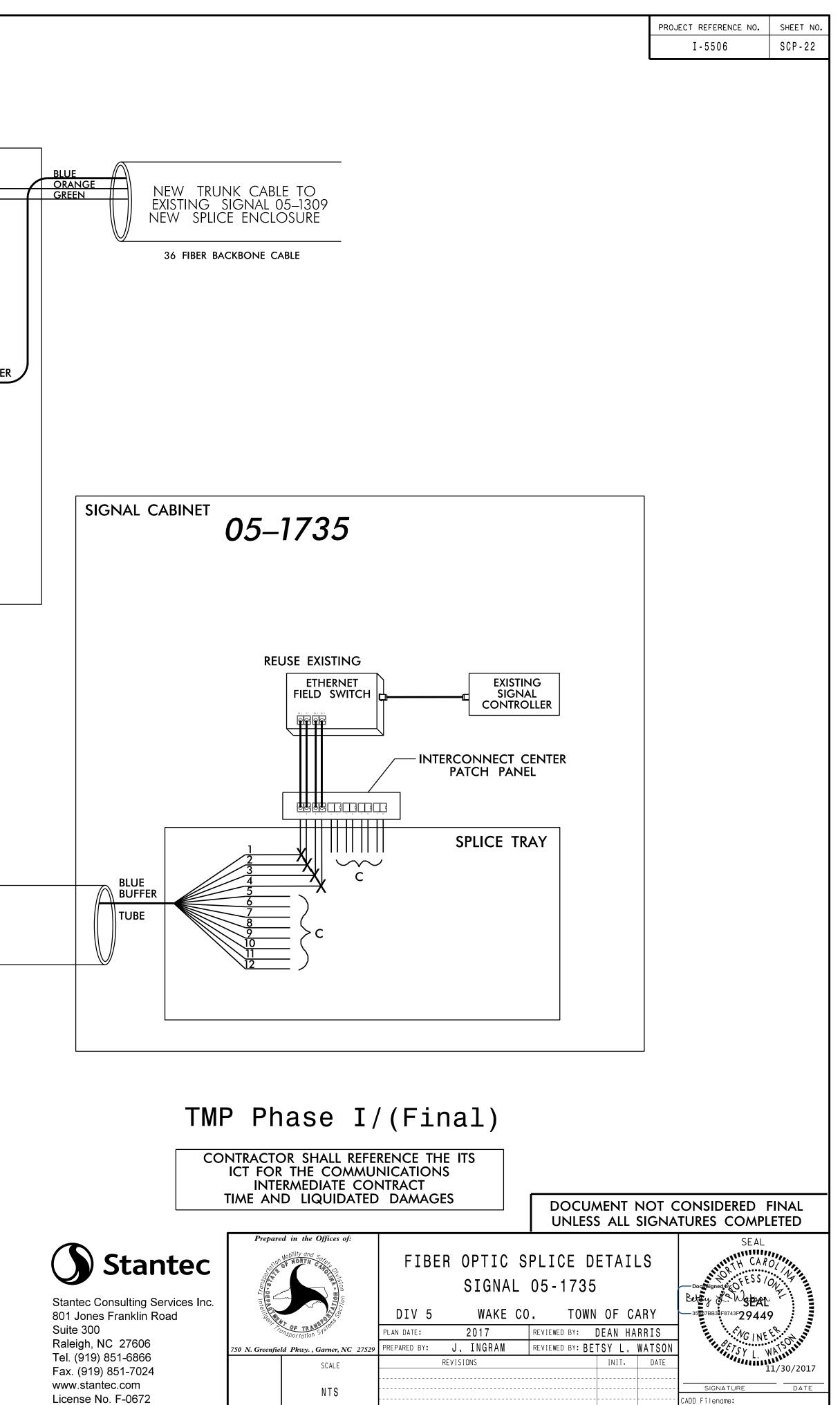
STALL AERIAL SPLICE ENCLOSURE	45	INSTALL STANDARD GUY ASSEMBLY	60	SEAL ALL CONDUIT ENTERING JUNCTION BOXES AND SIGNAL/CCTV CONTROL CABINETS WITH MOLDABLE DUCT SEAL	(
STALL POLE MOUNTED SPLICE CABINET	46	INSTALL SIDEWALK GUY ASSEMBLY	61	RELOCATE EXISTING CCTV CAMERA AND POLE	
STALL BASE MOUNTED SPLICE CABINET (336) TH EXTEND BASE	47	INSTALL MESSENGER CABLE	62	MOUNTED CABINET TO NEW POLE LOCATION. BOND TRACER WIRE TO EQUIPMENT GROUND BUS	Sta
MOVE EXISTING CABINET	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	63	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS	80 <sup>-</sup> Su
STALL CABINET FOUNDATION	49	REMOVE EXISTING COMMUNICATIONS CABLE	64	BOND MESSANGER CABLE AND RISER TO	Ra
MOVE EXISTING CABINET FOUNDATION	50	INSTALL ETHERNET NETWORK SWITCH	65	POLE GROUND	Te
STALL CCTV CAMERA ASSEMBLY	51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	66	MODIFY EXISTING SPLICE CLOSURE AND RESEAL RESEAL EXISTING RISER USING HEAT SRINK TUBING	Fa: ww
STALL CCTV CAMERA WOOD POLE	52	INSTALL DELINEATOR MARKER			Lic
STALL CCTV CAMERA METAL POLE	53	STORE 50 FEET OF COMMUNICATIONS CABLE	FO	NEW AERIAL FIBER OPTIC COMMUNINCATIONS	
STALL SPECIAL OVERSIZED JUNCTION BOX "(L)x36"(W)x24"(D) WITH 100 FEET OF	54	LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATIONS CABLE		NEW FIBER OPTIC COMMUNINCATIONS CABLE	
DMMUNICATIONS CABLE	55	LASH CABLE(S) TO EXISTING MESSENGER CABLE	——————————————————————————————————————		
stall oversized junction box	56	LASH CABLE(S) TO NEW MESSENGER CABLE	—_×——	N/	
USE EXISTING METAL CCTV CAMERA POLE WITH W POLE FOUNDATION	57	MODIFY EXISTING ELECTRICAL SERVICE		EXISTING FENCE LINE PROPOSED FENCE LINE	
STALL WOOD POLE	58	INSTALL NEW ELECTRICAL SERVICE	0	PROPOSED RIGHT-OF-WAY LINE	750 N.
MOVE EXISTING WOOD POLE	59	INSTALL NEW BASE MOUNTED CABINET (336)	(((	FLAT PANEL ANTENNA (SINGLE)	
STALL AERIAL GUY ASSEMBLY			N. A		

05–2129 AVIATION PARKWAY AT	
GATEWAY CENTER BLVD.	
SPLICE No.4	
TOWN TRU1 AVIATION PK TO	KISTING I OF CARY NK CABLE WY SOUTHBOUND 05–2420
12 FIBEI	R BACKBONE CABLE
1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM THE "TOWN OF CARY" TRAFFIC SIGNAL SYSTEM SUPERVISOR, WESLE (919)460–3148 TO ARRANGE FOR THE TOWN OF CARY TO PROGRA/ ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIC INCLUDING BUT NOT LIMITED TO THE FOLLOWING:	Y VO, PE, AT M THE FIELD
1.) THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND	VLAN ID
INFORMATION. 2.) NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSU FIBER CIRCUITS ARE FUNCTIONING PROPERLY.	IRE THAT ALL
3.) WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP	
2) CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR CO. TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PR PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FR SUPPLIED SPLICE DETAILS.	THE OVIDE AS-BUILT
3) TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRA RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATION	
4) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:	
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE" 1.) SPLICE LOCATION 2.) DATE 3.) COMPANY NAME	
4.) NAME OF INDIVIDUAL PERFORMING THE SPLICING PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGIT, PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN	
COLOR CODE <u>LEGEND</u> TIA⁄EIA 598–A	STANE
X = FUSION SPLICE $C = CAP IN TRAY$	1. UNUS
(1) BLUE (7) RED (2) ORANGE (8) BLACK (2) ORANGE (8) BLACK (2) ORANGE (8) BLACK	TUBE
(3) GREEN (9) YELLOW (4) BROWN (10) VIOLET REEL END SPLICE = SPLICE ENTIRE BUFFER TO SPLICE LIKE FIBER TO	
(4) BROWIN (10) VIOLET (5) SLATE (11) ROSE (6) WHITE (12) AQUA	3. ETHE THE AND

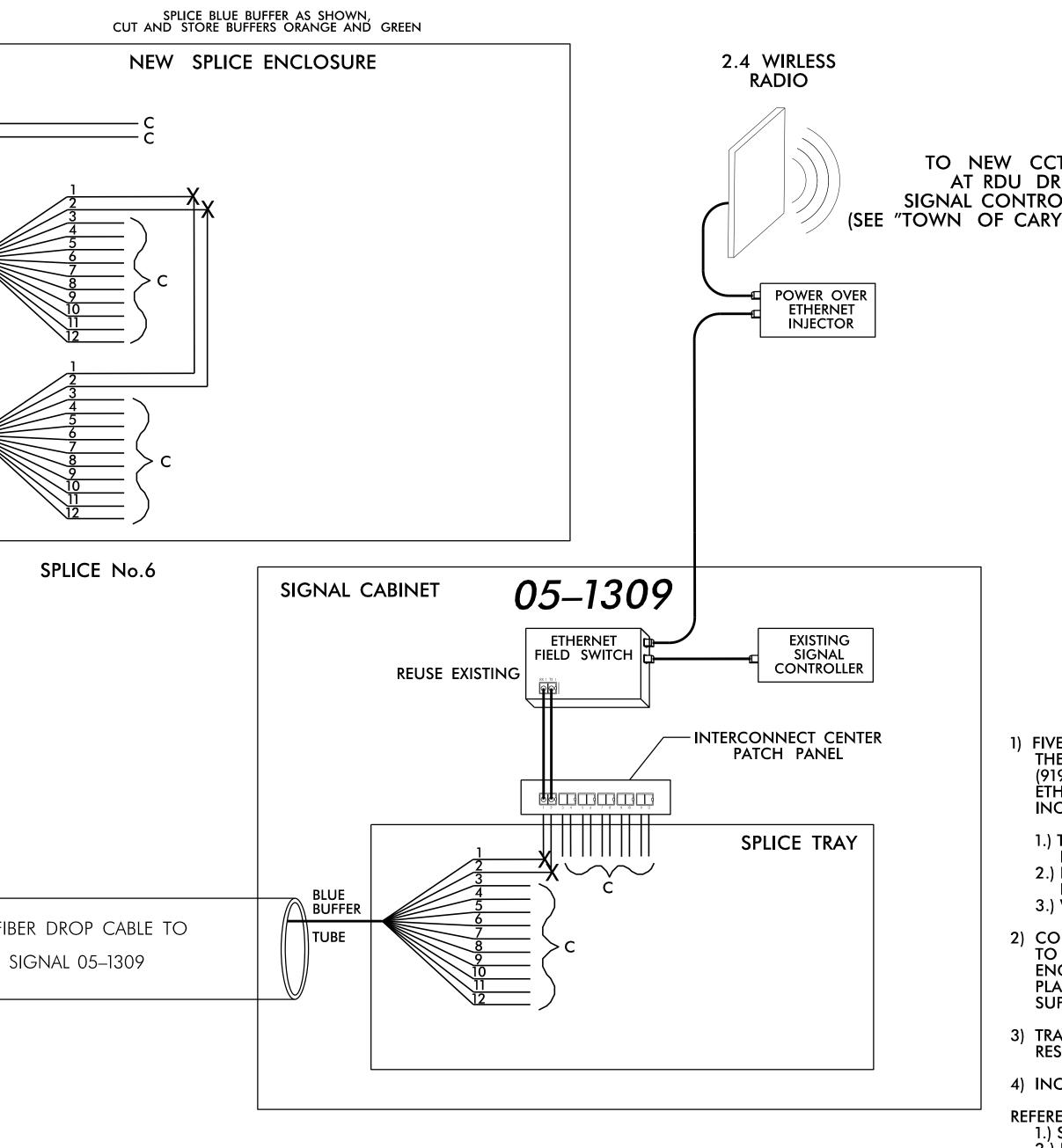


	5–1735 N PARKWAY			
	AT			
	BOUND RAA	٨P		
SPLIC	CE No.5		existin	trunk Ca Ig Signa Splice eng
			36 FI	BER BACKBON
<ol> <li>FIVE (5) DAYS PRIOR TO BE THE "TOWN OF CARY" TR (919)460–3148 TO ARRANG</li> </ol>	GINNING WOI AFFIC SIGNAL FOR THE TO	RK ON THE SIG SYSTEM SUPERV WN OF CARY T	ISOR, WESLEY VO, PE	CT , AT TELD
ETHERNET SWITCHES WITH INCLUDING BUT NOT LIMI	THE NECESSAR	Y NETWORK CC	ONFIGURATION DATA	λ,
1.) THE PROJECT IP ADDRES: INFORMATION.	S, DEFAULT GAT	EWAY, SUBNET	MASK AND VLAN ID	)
2.) NOTIFY THE ENGINEER A FIBER CIRCUITS ARE FUN	NCTIONING PRO	OPERLY.		
3.) WORK IS NOT COMPLET 2) CONTRACTOR TO RECORD				
TO THE SUPPLIED SPLICE I ENGINEER TO DETERMINE PLANS TO THE ENGINEER SUPPLIED SPLICE DETAILS.	DETAILS. IF DISC HOW TO PRC	CREPANCIES EXIS	ST, CONTACT THE SPLICING. PROVIDE A	S–BUILT
3) TRANSCEIVER TERMINATION RESPONSIBLE FOR DETERMIN				5
4) INCLUDE ON THE COVER	OF EACH SPLIC	E TRAY THE FO	LLOWING:	
REFERENCE SECTION 1731 "FIB 1.) SPLICE LOCATION	SER OPTIC SPLIC	CE ENCLOSURE"		
2.) DATE 3.) COMPANY NAME 4.) NAME OF INDIVIDUAL P				
PRIOR TO INSTALLING THE C PHOTOGRAPH SHOWING THE	OVER ON THE	SPLICE TRAY TA		
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COLOR CODE	LEGENI	)		
TIA⁄EIA 598–A	X = FUSION			1. UNL
BLUE (7) RED ORANGE (8) BLACK	C = CAP IN $EXPRESS =$	EXPRESS ENTIR	E BUFFER TUBE VITHOUT CUTTING	2. UNI
GREEN (9) YELLOW				
BROWN (10) VIOLET SLATE (11) ROSE				3. ETH THE AN
WHITE (12) AQUA				





	05–130 AVIATION PA AT I–40 WESTBOU SPLICE N	ARKWAY ND RAM 0.6		BLUE	
	NI EX NE	ISTING SIC W SPLICE	CABLE TO SNAL 05–1735 ENCLOSURE BACKBONE CABLE		BLUE BUFFER TUBE
					BLUE BUFFER TUBE
					12 FIBI S
COLOR CODE		LEGEND			
<ul> <li>(2) ORANGE (8)</li> <li>(3) GREEN (9)</li> <li>(4) BROWN (10)</li> <li>(5) SLATE (11)</li> </ul>	C =	= FUSION = CAP IN	SPLICE TRAY	RE BUFFER TUBE WITHOUT CUTTING	G SPL 2. UNI IN 3. ETH THI AN









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NOTES

USED FIBER SHALL BE LEFT COILED AND STORED IN THE PLICE TRAY.

IUSED BUFFER TUBES SHALL BE LEFT COILED AND STORED THE SPLICE TRAY.

HERNET TERMINATION CONFIGURATIONS ARE GENERIC. HE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ND ENSURING PROPER TERMINATION.

V CCTV CAMERA DU DRIVE AND ONTROLLER 05–1399 CARY" BLOCK DIAGR	RAM)
THE "TOWN OF CAR" (919)460–3148 TO AR	TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT Y" TRAFFIC SIGNAL SYSTEM SUPERVISOR, WESLEY VO, PE, AT RRANGE FOR THE TOWN OF CARY TO PROGRAM THE FIELD WITH THE NECESSARY NETWORK CONFIGURATION DATA,
<ul> <li>INCLUDING BUT NOT</li> <li>1.) THE PROJECT IP AE INFORMATION.</li> <li>2.) NOTIFY THE ENGIN FIBER CIRCUITS AR</li> <li>3.) WORK IS NOT CO</li> <li>2) CONTRACTOR TO RE TO THE SUPPLIED SP ENGINEER TO DETER.</li> </ul>	T LIMITED TO THE FOLLOWING: DDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID NEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL RE FUNCTIONING PROPERLY. OMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL. ECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON PLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE MINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT INEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE
4) INCLUDE ON THE CO	ATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS TERMINING AND ENSURING PROPER TERMINATIONS. OVER OF EACH SPLICE TRAY THE FOLLOWING: 31 "FIBER OPTIC SPLICE ENCLOSURE"
4.) NAME OF INDIVID PRIOR TO INSTALLING PHOTOGRAPH SHOWING	TIONS CT
Prepared in the Offices of:	FIBER OPTIC SPLICE DETAILS         SIGNAL 05-1309/WIRELESS         DIV 5       WAKE CO.         TOWN OF CARY         PLAN DATE:       2017         REVIEWED BY:       DEAN HARRIS         PREPARED BY:       J. INGRAM         REVISIONS       INIT.         DATE       SIGNATURE         DATE       CADD Filenome:

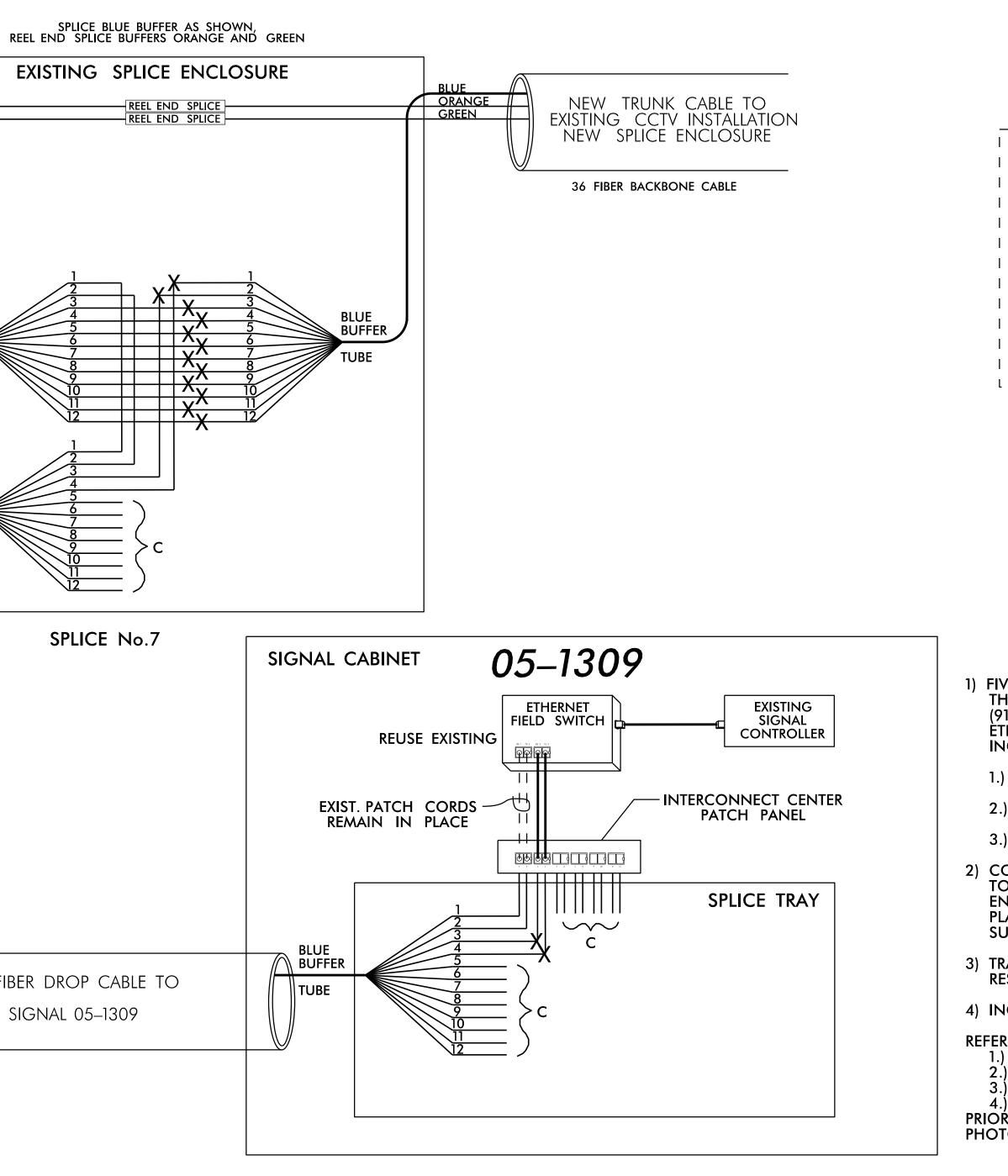
PROJECT REFERENCE NO.

I-5506

SHEET NO.

SCP-23

	05–1309 TON PARKWAY AT ESTBOUND RAMP		
	LICE No.7		REE
	TRUNK CABLE TO	BLUE ORANGE	E
	TRUNK CABLE TO EXISTING SIGNAL 05–212 SPLICE ENCLOSURE (IN PLA	29 CE) Green	
	36 FIBER BACKBONE CABLE		
		B	
			UBE
		B	LUE UFFER
			UBE
			12 FIBE
			SIC
COLOR CODE TIA/EIA 598–A	LEGEND		
	X = FUSION SPLICE C = CAP IN TRAY		1. UNU:
(1) BLUE(7) RED(2) ORANGE(8) BLACK(2) OREEN(0) YELLOW		ITIRE BUFFER TUBE H WITHOUT CUTTING	SPLI 2. UNU IN
(3) GREEN(9) YELLOW(4) BROWN(10) VIOLET(5) SLATE(11) DOSE			3. ETHE
5) SLATE (11) ROSE 6) WHITE (12) AQUA			THE



### NOTES

INUSED FIBER SHALL BE LEFT COILED AND STORED IN THE SPLICE TRAY.

JNUSED BUFFER TUBES SHALL BE LEFT COILED AND STORED IN THE SPLICE TRAY.

THERNET TERMINATION CONFIGURATIONS ARE GENERIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATION.



Stantec

PROJECT REFERENCE NO.	SHEET NO.
I-5506	SCP - 24



(SEE SCP-15 BLOCK DIAGRAM)

1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE "TOWN OF CARY" TRAFFIC SIGNAL SYSTEM SUPERVISOR, WESLEY VO, PE, AT (919)460–3148 TO ARRANGE FOR THE TOWN OF CARY TO PROGRAM THE FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1.) THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION.

2.) NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY.

3.) WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.

2) CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.

3) TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINATIONS.

4) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:

REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

1.) SPLICE LOCATION

3.) COMPANY NAME 4.) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL

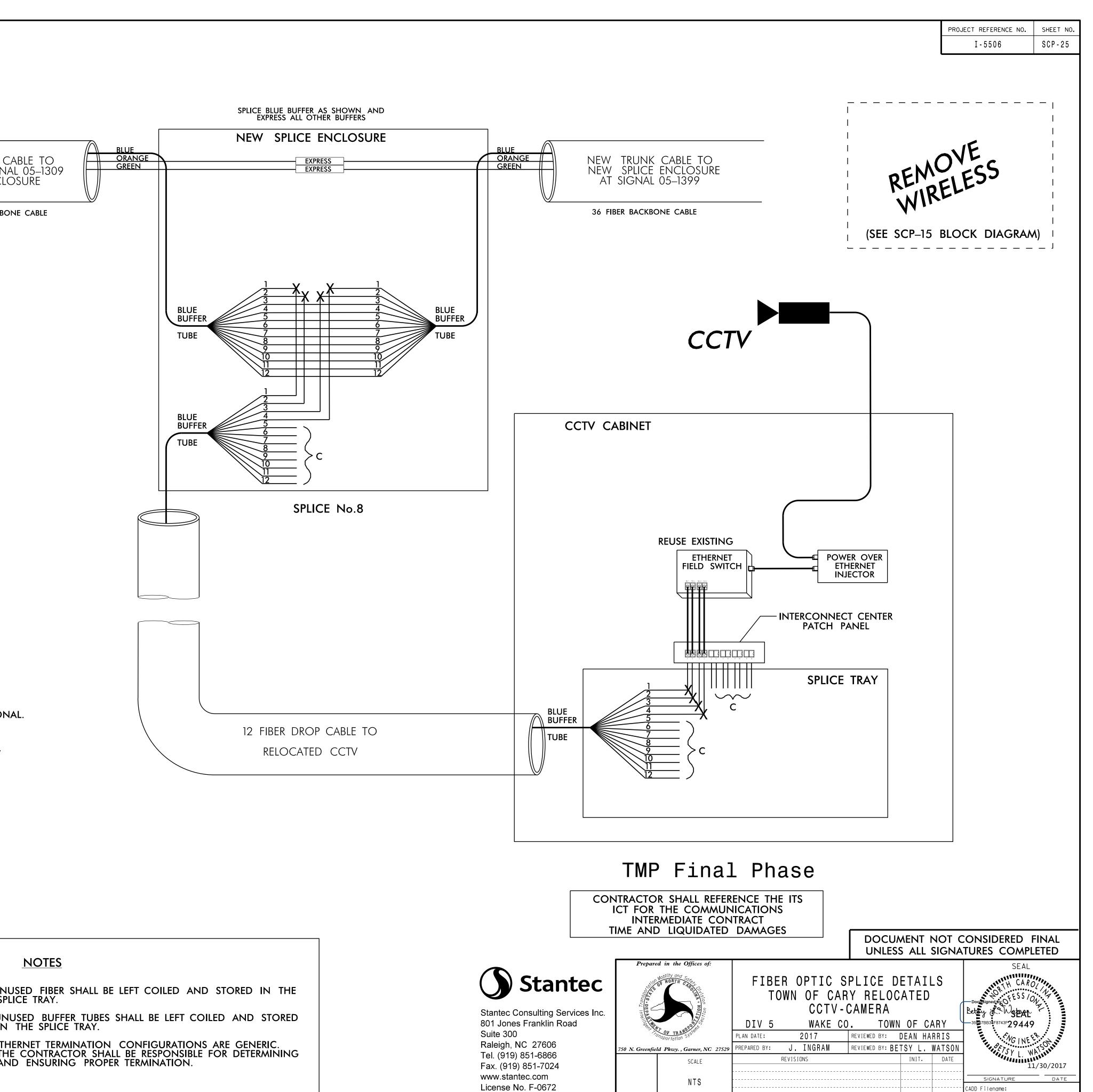
PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN

## TMP Final Phase

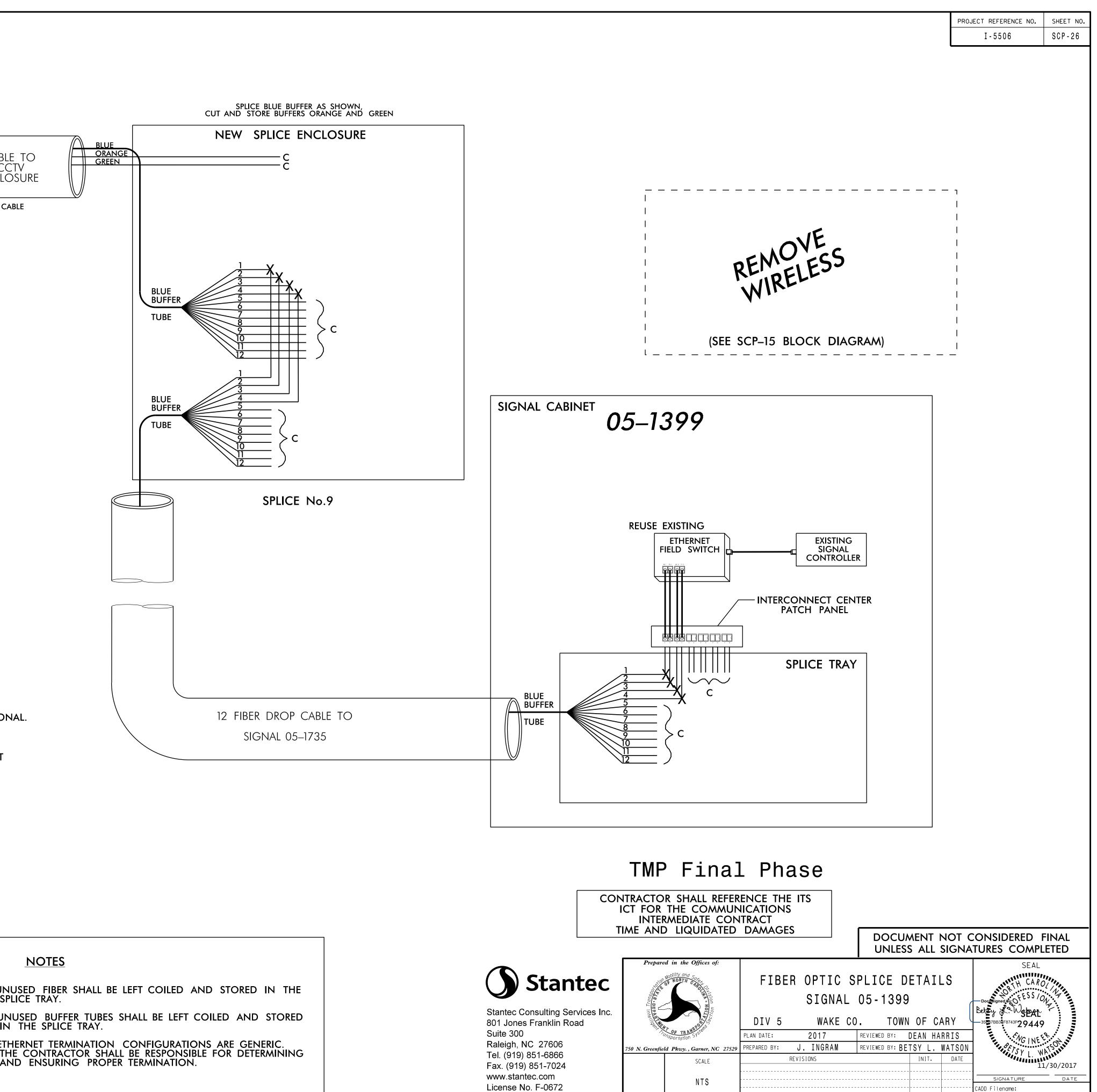
CONTRACTOR SHALL REFERENCE THE ITS ICT No.13, (SHEET SCP-26) FOR THE COMMUNICATIONS INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

		DOCUMENT NOT C UNLESS ALL SIGNA	CONSIDERED FINAL TURES COMPLETED
Prepared in the Offices of:			SEAL
MODILITY ON CONTRACTOR	FIBER OPTIC SI SIGNAL 05-13 DIV 5 WAKE CO	809/WIRELESS	Betay J. Wsterer 355 DrBB33F8743F29449
CALL OF TRANSFORMS		REVIEWED BY: DEAN HARRIS	
		REVIEWED BY: BETSY L. WATSON	MGINE CON
750 N. Greenfield Pkwy. , Garner, NC 27529			SY L WALL
SCALE	REVISIONS	INIT. DATE	11/30/2017
NTS			SIGNATURE DATE

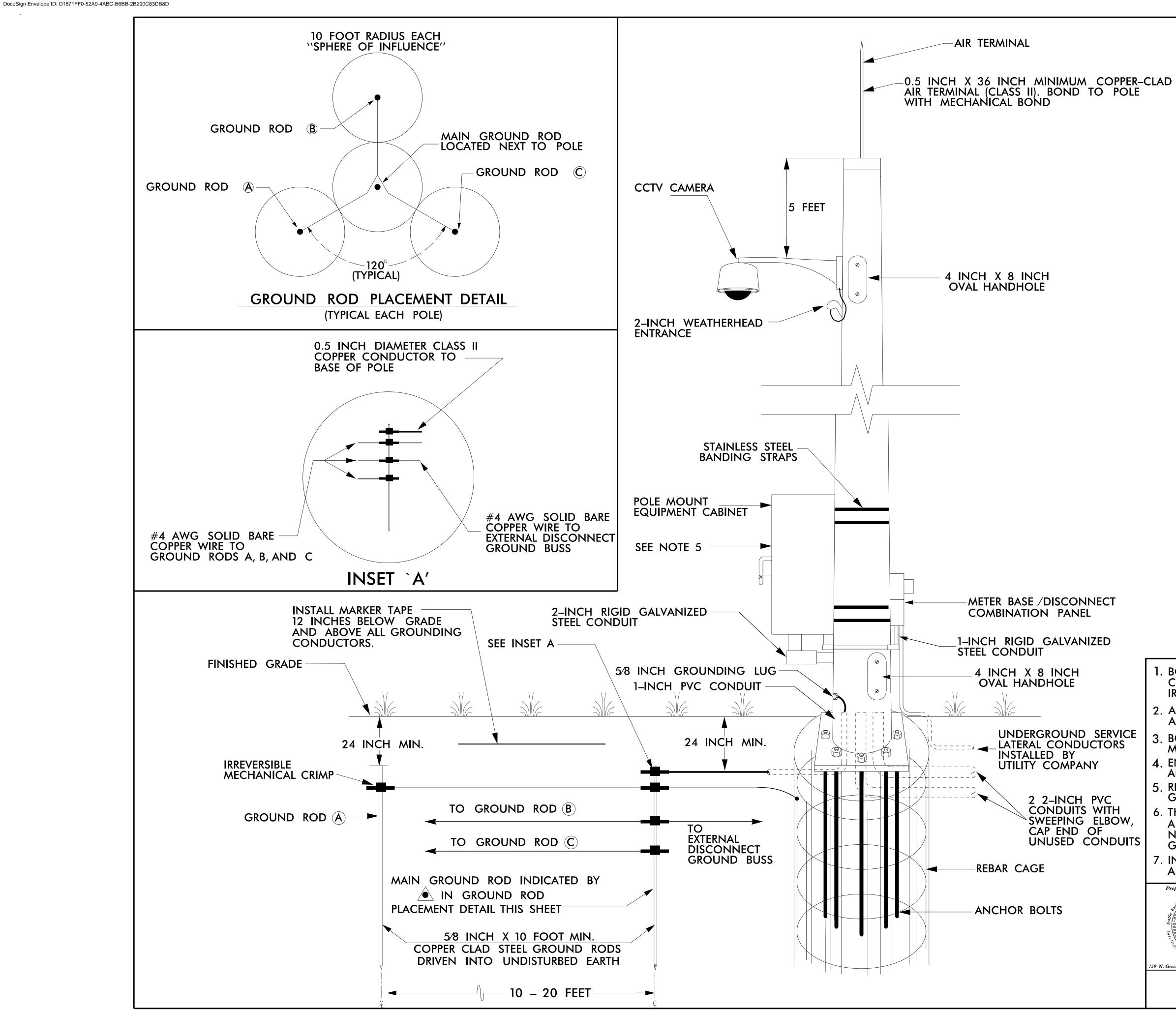
AVIATION PARKWAY AT CCTV CAMERA RDU CENTER DRIVE		
SPLICE No.8	EXISTING	RUNK ( G SIGN Ce ENCL
	36 FIB	ER BACKBC
1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL S THE "TOWN OF CARY" TRAFFIC SIGNAL SYSTEM SUPERVISOR, (919)460–3148 TO ARRANGE FOR THE TOWN OF CARY TO PR ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGU INCLUDING BUT NOT LIMITED TO THE FOLLOWING:	YSTEM, CONTAG WESLEY VO, PE, OGRAM THE F JRATION DATA	CT , AT IELD
<ol> <li>THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK INFORMATION.</li> <li>NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO FIBER CIRCUITS ARE FUNCTIONING PROPERLY.</li> </ol>	ENSURE THAT	ALL
<ul> <li>3.) WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BAC</li> <li>2) CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FC TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CO ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICIN PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFE SUPPLIED SPLICE DETAILS.</li> </ul>	OR COMPARISO NTACT THE NG. PROVIDE AS	N
3) TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. C RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERM		i
4) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOW REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE" 1.) SPLICE LOCATION	ING:	
2.) DATE 3.) COMPANY NAME 4.) NAME OF INDIVIDUAL PERFORMING THE SPLICING PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION S		
$\begin{array}{rcl} COLOR & CODE \\ TIA/EIA & 598-A \end{array} & X = FUSION & SPLICE \end{array}$		
BLUE (7) RED ORANGE (8) BLACK GREEN (9) YELLOW C = CAP IN TRAY EXPRESS ENTIRE BUFF THROUGH WITHOU	er tube Jt cutting	1. UN SP 2. UN IN
) BROWN (10) VIOLET ) SLATE (11) ROSE ) WHITE (12) AQUA		3. ETH T⊢ AN



05–1399		
AVIATION PARKWAY		
AT NATIONAL GUARD DRIVE		
SPLICE No.9		
	NEW TRUP RELOCA NEW SPLIC	ated CC
	36 FIBER BA	CKBONE CA
1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL THE "TOWN OF CARY" TRAFFIC SIGNAL SYSTEM SUPERVISOR, (919)460–3148 TO ARRANGE FOR THE TOWN OF CARY TO PI ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIG INCLUDING BUT NOT LIMITED TO THE FOLLOWING:	WESLEY VO, PE ROGRAM THE F	E, AT FIELD
<ol> <li>1.) THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK INFORMATION.</li> <li>2.) NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO FIBER CIRCUITS ARE FUNCTIONING PROPERLY.</li> <li>3.) WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BA</li> </ol>	ENSURE THAT	ſ ALL
2) CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FO TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CO ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICE PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFF SUPPLIED SPLICE DETAILS.	ONTACT THE ING. PROVIDE A	S-BUILT
3) TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. ( RESPONSIBLE FOR DETERMINING AND ENSURING PROPER TERMINING PROPER TERMIN		S
<ul> <li>4) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOW REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"</li> <li>1.) SPLICE LOCATION</li> <li>2.) DATE</li> <li>3.) COMPANY NAME</li> <li>4.) NAME OF INDIVIDUAL PERFORMING THE SPLICING</li> <li>PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION</li> </ul>	DIGITAL	
COLOR CODE TIAZEIA 598-ALEGEND X = FUSION SPLICE C = CAP IN TRAY(1) BLUE(7) RED (2) ORANGEX = FUSION SPLICE C = CAP IN TRAY(2) ORANGE(8) BLACK (3) GREENEXPRESS(3) GREEN(9) YELLOWREEL END SPLICE(4) BROWN(10) VIOLET (5) SLATESPLICE IIKE FIBER TO(5) SLATE(11) ROSE (6) WHITE(12) AQUA	T CUTTING TUBE	1. UNI SPI 2. UN IN 3. ETH TH AN







		PROJECT REFERENCE NO.	SHEET NO.			
		I - 5506	SCP - 27			
	ALTERNATE GROUNDING MET	HOD				
IF	SPACE IS NOT AVAILABLE TO DRI NULTIPLE RODS, DRIVE SECTIONAL G					
R	ODS A MINIMUM OF 30 FEET.					
	OIN SECTIONAL GROUND RODS B					
IR	REVERSIBLE COMPRESSION COUPLE	=R				
	NOTES					
BOND 0.5 INCH DIAMETER, 28 STRAND (MINIMUM) CLASS II						
COPPER COND	UCTOR TO THE MAIN GRÒUND R ECHANICAL CRIMP METHOD.	ród by an				
	ONS TO GROUND RODS SHOULD	BE MADE WIT	н			
	LE MECHANICAL CRIMP METHOD. G SOLID BARE COPPER WIRE TO F	REBAR CAGE AN	ND THE			
30ND #4 AWG SOLID BARE COPPER WIRE TO REBAR CAGE AND THE WAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. ENSURE CAMERA HOUSING, CAMERA, AND PAN _TILT UNIT						
ARE BONDED	TO POLE.					
REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.						
THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30–FOOT SECTIONAL GROUND ROD WHEN CONDITIONS WILL						
NOT ALLOW FOR THE INSTALLATION OF THE 3 – RADIAL GROUND RODS.						
	R TAPE DIRECTLY ABOVE ALL GROU TORS AT A DEPTH OF 12 INCHES.	INDING ELECT	RODES			
	CCTV CAMERA INSTALLATION	SEAL				
repared in the Offices of:	FOR METAL POLE WITH	H CAR				
to the second se	UNDERGROUND ELECTRICAL SERVI	CE Beter 2. Wsta				
The second second	PLAN DATE: JANUARY 2008 REVIEWED BY:	35 77883 78743F 2944	9 Let of a			
scenfield Pkwy., Garner, NC 27529 SCALE O	REVISIONS INIT.		WATSONIN 11/30/2017			
	2018 STANDARD SPECIFICATIONS UPGRADE TO IRREVERSIBLE MECHANICAL CRIMP A.J.S.	SIGNATURE				