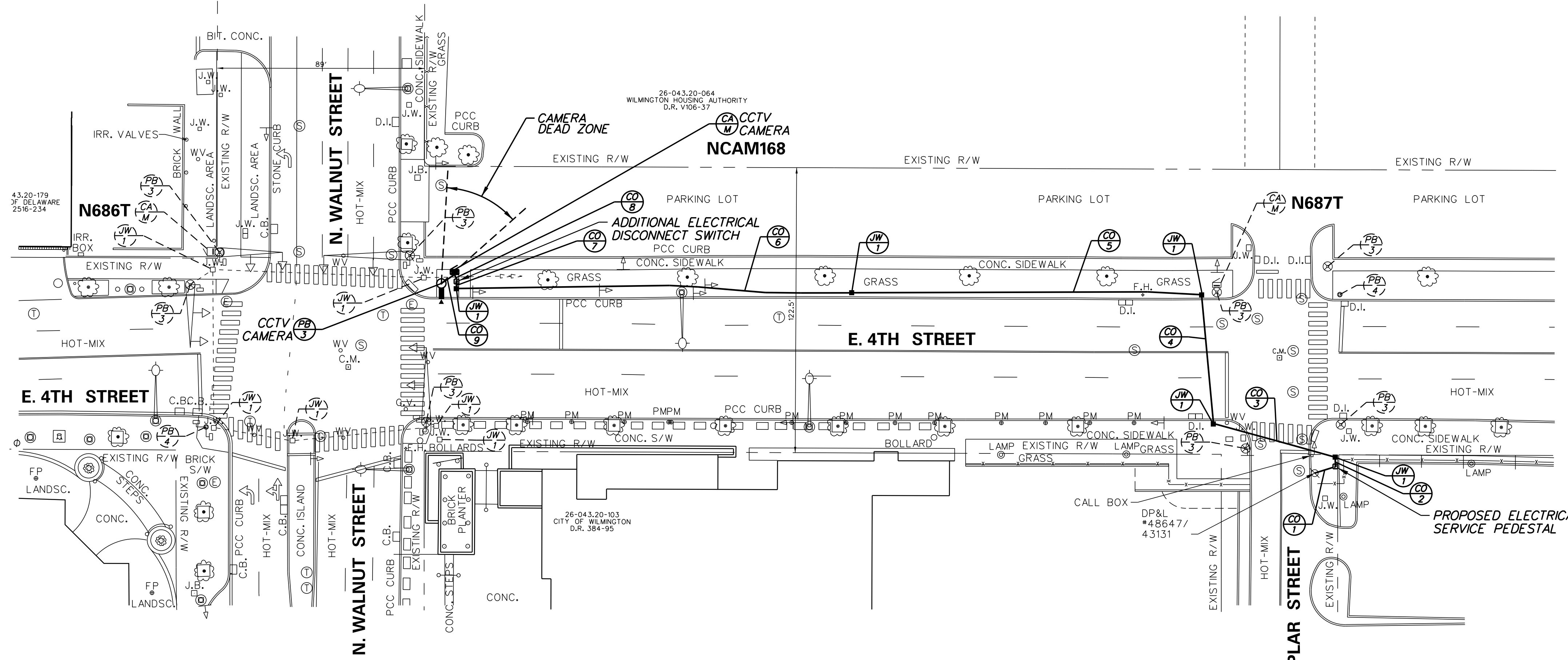
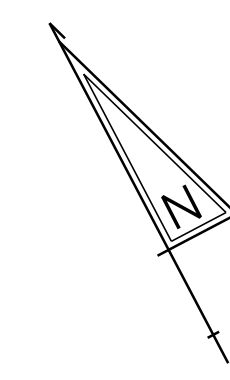


CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2.0 IN	9 FT	O	[NEW (1) 2/*8 U.F. W/GROUND - LINE SIDE]
2*	1	2.0 IN	2 FT	O	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
3	1	4.0 IN	53 FT	B	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
4	1	4.0 IN	54 FT	B	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
5	1	4.0 IN	149 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
6	1	4.0 IN	168 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
7*	1	2.0 IN	1 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
8*	1	2.0 IN	3 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
9	1	3.0 IN	7 FT	T	[NEW (1) CCTV CABLE, (1) *6 GROUND]

* GALVANIZED CONDUIT B = BORE, T = TRENCH, O = OPEN CUT



NOTES:

- ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
- ALL CONDUITS SHALL BE SCHEDULE 80 PVC WHEN INSTALLED BY TRENCHING OR OPEN CUT AND HDPE SDR-13.5 WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED.
- THE PROPOSED POLE SHALL BE A 75' CCTV POLE.
- ALL WORK PERFORMED UNDER THIS PROJECT IS INTENDED TO OCCUR WITHIN DELDOT'S EXISTING RIGHT-OF-WAY BASED ON THE PLAN FOR STATE CONTRACT #29-200-13.
- CCTV CAMERA WILL COMMUNICATE WITH THE TMC VIA A CDMA WIRELESS CONNECTION.

SIGNAL PHASING

SIGNAL HEAD DIAGRAM

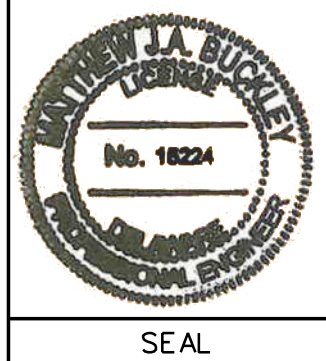
LEGEND

(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (* OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (* OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1	□	□
LOOP DETECTOR, TYPE 2	□	□
LUMINAIRE	⊙	⊙
MAST ARM	⊙	⊙
MICROWAVE DETECTION	⊙	⊙
OPTICOM RECEIVER	⊙	⊙
OVERHEAD SIGNING	⊙	⊙
PEDESTRIAN POLE/BASE	⊙	⊙
PEDESTRIAN PUSHBUTTON	⊙	⊙
PEDESTRIAN SIGNAL HEAD	⊙	⊙
RIGHT-OF-WAY	---	---R/W---
SERVICE PEDAESTAL	P	P
DISCONNECT SWITCH	D	D
SIGNAL CABINET	□	■
SIGNAL HEAD	→	→
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	⊙	⊙
SPAN WIRE	—XX—	—XX—
UTILITY POLE	⊙	⊙

PREPARED BY

Whitman, Reardon and Associates, LLP
 Engineers - Architects - Environmental Planners Est. 1915
 Signature: [Handwritten Signature]
 DATE: 3/18/19
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "WRA" SECTION DESIGNATION.



APPROVED FOR INSTALLATION

Signature: [Handwritten Signature]
 CHIEF TRAFFIC ENGINEER
 DATE: 3/19/19

NEW

ADDENDA / REVISIONS



ADVANCED TRAFFIC MITIGATION FOR I-95 VIADUCT AND BRANDYWINE RIVER BRIDGE

CONTRACT	T201704105	PERMIT NO.	NCAM168
COUNTY	NEW CASTLE	DESIGNED BY:	D.C.G. (WRA)
		CHECKED BY:	M.J.B. (WRA)

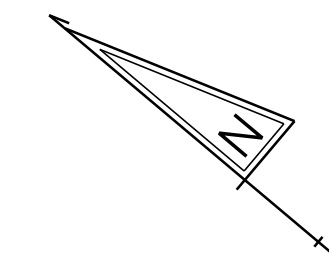
SECTION	WRA
SHEET NO.	7

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CONDUIT RUN SCHEDULE

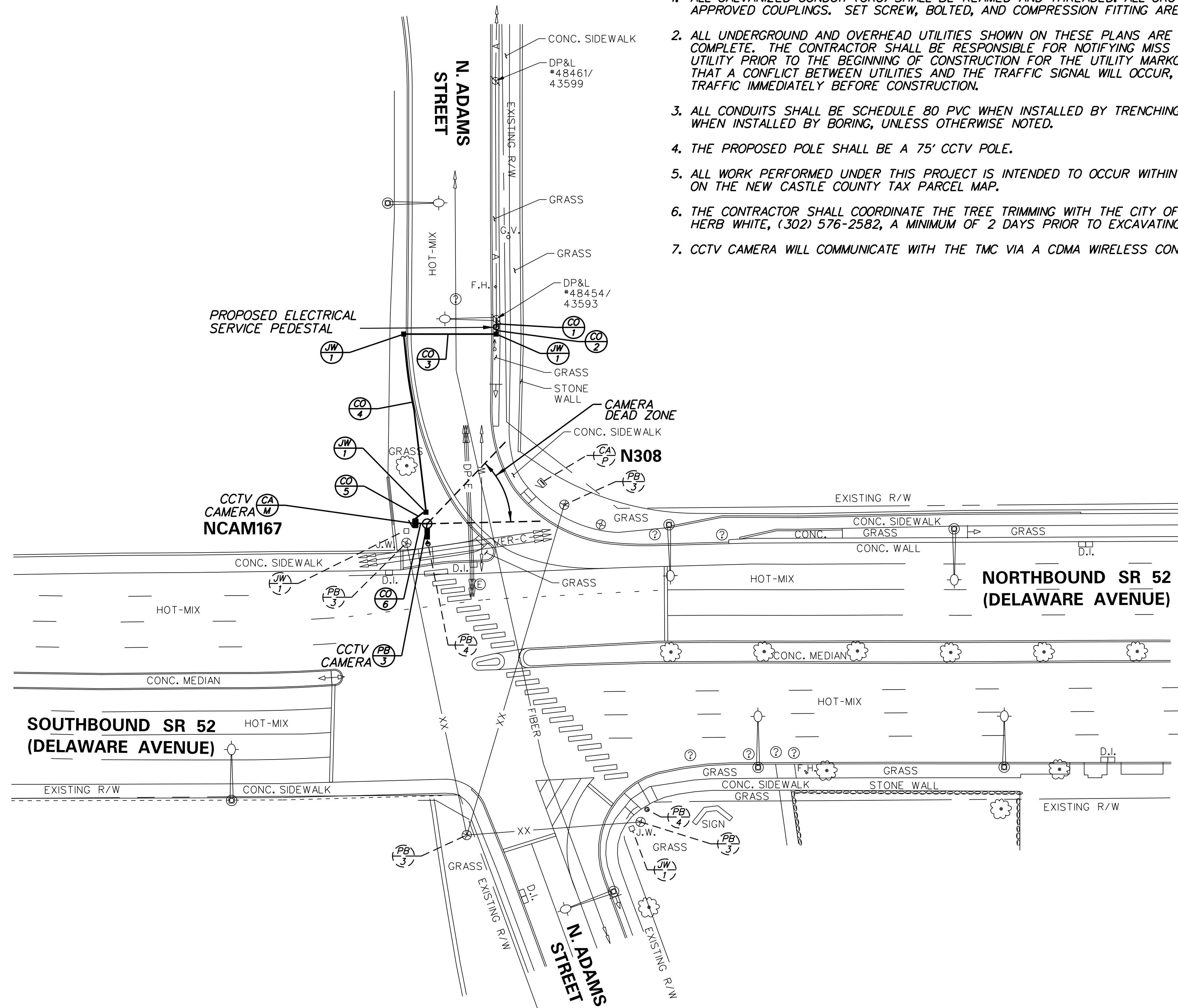
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2.0 IN	3 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LINE SIDE]
2*	1	2.0 IN	1 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
3	1	4.0 IN	38 FT	B	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
4	1	4.0 IN	75 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
5	1	2.0 IN	5 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
6	1	3.0 IN	4 FT	T	[NEW CCTV CABLE, (1) *6 GROUND]

* GALVANIZED CONDUIT B = BORE, T = TRENCH, O = OPEN CUT



NOTES:

1. ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. ALL CONDUITS SHALL BE SCHEDULE 80 PVC WHEN INSTALLED BY TRENCHING OR OPEN CUT AND HDPE SDR-13.5 WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED.
4. THE PROPOSED POLE SHALL BE A 75' CCTV POLE.
5. ALL WORK PERFORMED UNDER THIS PROJECT IS INTENDED TO OCCUR WITHIN DELDOT'S EXISTING RIGHT-OF-WAY BASED ON THE NEW CASTLE COUNTY TAX PARCEL MAP.
6. THE CONTRACTOR SHALL COORDINATE THE TREE TRIMMING WITH THE CITY OF WILMINGTON URBAN FOREST ADMINISTRATOR, HERB WHITE, (302) 576-2582, A MINIMUM OF 2 DAYS PRIOR TO EXCAVATING THE PROPOSED POLE BASE, TYPE 3.
7. CCTV CAMERA WILL COMMUNICATE WITH THE TMC VIA A CDMA WIRELESS CONNECTION.



SIGNAL PHASING


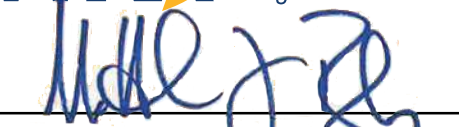
SIGNAL HEAD DIAGRAM

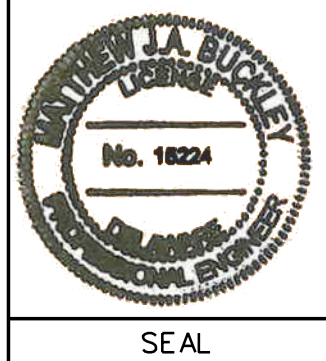
LEGEND

(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (* OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (* OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY TRAFFIC CONTRACTOR

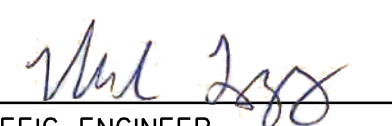
	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1	□	□
LOOP DETECTOR, TYPE 2	□	□
LUMINAIRE	⊙	⊙
MAST ARM	⊙	⊙
MICROWAVE DETECTION	⊙	⊙
OPTICOM RECEIVER	⊙	⊙
OVERHEAD SIGNING	⊙	⊙
PEDESTRIAN POLE/BASE	⊙	⊙
PEDESTRIAN PUSHBUTTON	⊙	⊙
PEDESTRIAN SIGNAL HEAD	⊙	⊙
RIGHT-OF-WAY	---	R/W
SERVICE PEDESTAL	P	P
SIGNAL CABINET	■	■
SIGNAL HEAD	⊙	⊙
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	■	■
SPAN WIRE	XX	XX
UTILITY POLE	⊙	⊙
VIDEO DETECTION	⊙	⊙

PREPARED BY


Whitman, Reardon and Associates, LLP
 Engineers - Architects - Environmental Planners Est. 1915

 DATE: 3/18/19
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "WRA" SECTION DESIGNATION.



APPROVED FOR INSTALLATION


 CHIEF TRAFFIC ENGINEER DATE: 3/19/19

NEW

ADDENDA / REVISIONS



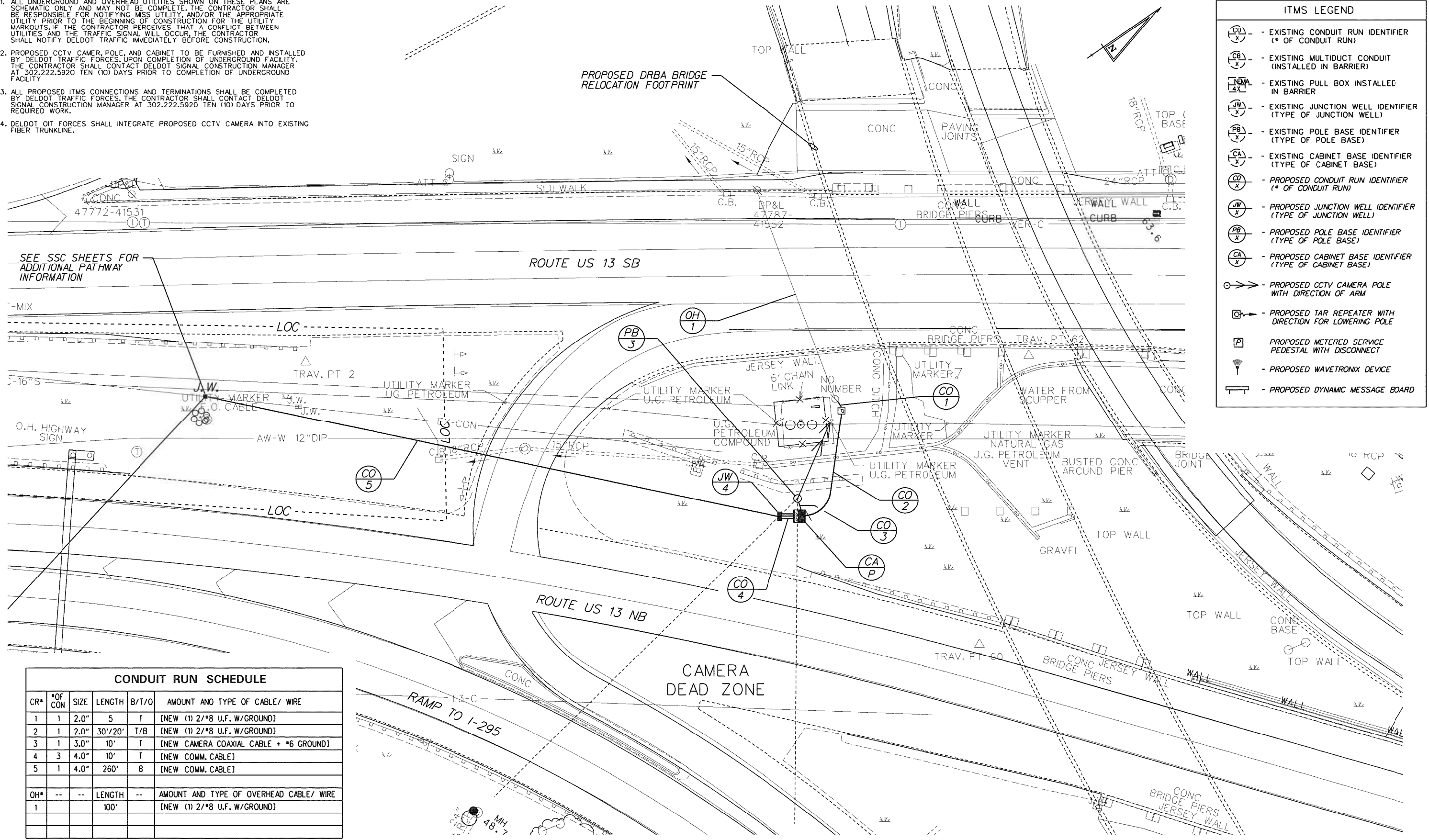
ADVANCED TRAFFIC MITIGATION FOR I-95 VIADUCT AND BRANDYWINE RIVER BRIDGE

CONTRACT	T201704105	PERMIT NO.	NCAM167	SECTION	WRA
COUNTY	NEW CASTLE	DESIGNED BY:	D.C.G. (WRA)	SHEET NO.	8
		CHECKED BY:	M.J.B. (WRA)		

W:\1997-2004\Contract\1-95\CAD\VTIMS off alignment work ahead of viaduct\SG11_SR52 @ Adams St_CCTV.dgn
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GENERAL CCTV CAMERA NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
2. PROPOSED CCTV CAMER, POLE, AND CABINET TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON COMPLETION OF UNDERGROUND FACILITY, THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF UNDERGROUND FACILITY.
3. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK.
4. DELDOT OIT FORCES SHALL INTEGRATE PROPOSED CCTV CAMERA INTO EXISTING FIBER TRUNKLINE.



ITMS LEGEND	
	- EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
	- EXISTING MULTIDUCT CONDUIT (INSTALLED IN BARRIER)
	- EXISTING PULL BOX INSTALLED IN BARRIER
	- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
	- EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
	- EXISTING CABINET BASE IDENTIFIER (TYPE OF CABINET BASE)
	- PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
	- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
	- PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
	- PROPOSED CABINET BASE IDENTIFIER (TYPE OF CABINET BASE)
	- PROPOSED CCTV CAMERA POLE WITH DIRECTION OF ARM
	- PROPOSED TAR REPEATER WITH DIRECTION FOR LOWERING POLE
	- PROPOSED METERED SERVICE PEDESTAL WITH DISCONNECT
	- PROPOSED WAVETRONIX DEVICE
	- PROPOSED DYNAMIC MESSAGE BOARD

SEE SSC SHEETS FOR ADDITIONAL PATHWAY INFORMATION

CONDUIT RUN SCHEDULE

CR*	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1	1	2.0"	5	T	[NEW (1) 2/*8 U.F. W/GROUND]
2	1	2.0"	30'/20'	T/B	[NEW (1) 2/*8 U.F. W/GROUND]
3	1	3.0"	10'	T	[NEW CAMERA COAXIAL CABLE + *6 GROUND]
4	3	4.0"	10'	T	[NEW COMM. CABLE]
5	1	4.0"	260'	B	[NEW COMM. CABLE]
OH*	--	--	LENGTH	--	AMOUNT AND TYPE OF OVERHEAD CABLE/ WIRE
1			100'		[NEW (1) 2/*8 U.F. W/GROUND]

B = BORE, T = TRENCH, O = OPEN CUT.

RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____	APPROVED TRAFFIC ENGINEER _____ DATE: _____	APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER _____ DATE: _____
ADDENDUMS / REVISIONS		SCALE 0 20 40 60 FEET	BR 1-665 N&S, US 13 OVER BAYLOR BOULEVARD	CCTV PLAN
 DELAWARE DEPARTMENT OF TRANSPORTATION		CONTRACT T201107401	PERMIT NO. _____	SHEET NO. _____
		COUNTY NEW CASTLE	DESIGNED BY: JCR	TOTAL SHTS. _____
			CHECKED BY: MH	