

ADVANCED TRAFFIC MITIGATION

CONTRACT PERMIT NO. **ND0201** T201704105 DESIGNED BY: K.M.K. (WRA) COUNTY CHECKED BY: M.J.B. (WRA) NEW CASTLE

CHIEF TRAFFIC ENGINEER

WAVETRONIX PLAN NB SR 141 @ CENTERVILLE ROAD ON-RAMP

APPROVED FOR INSTALLATION

SHEET NO.

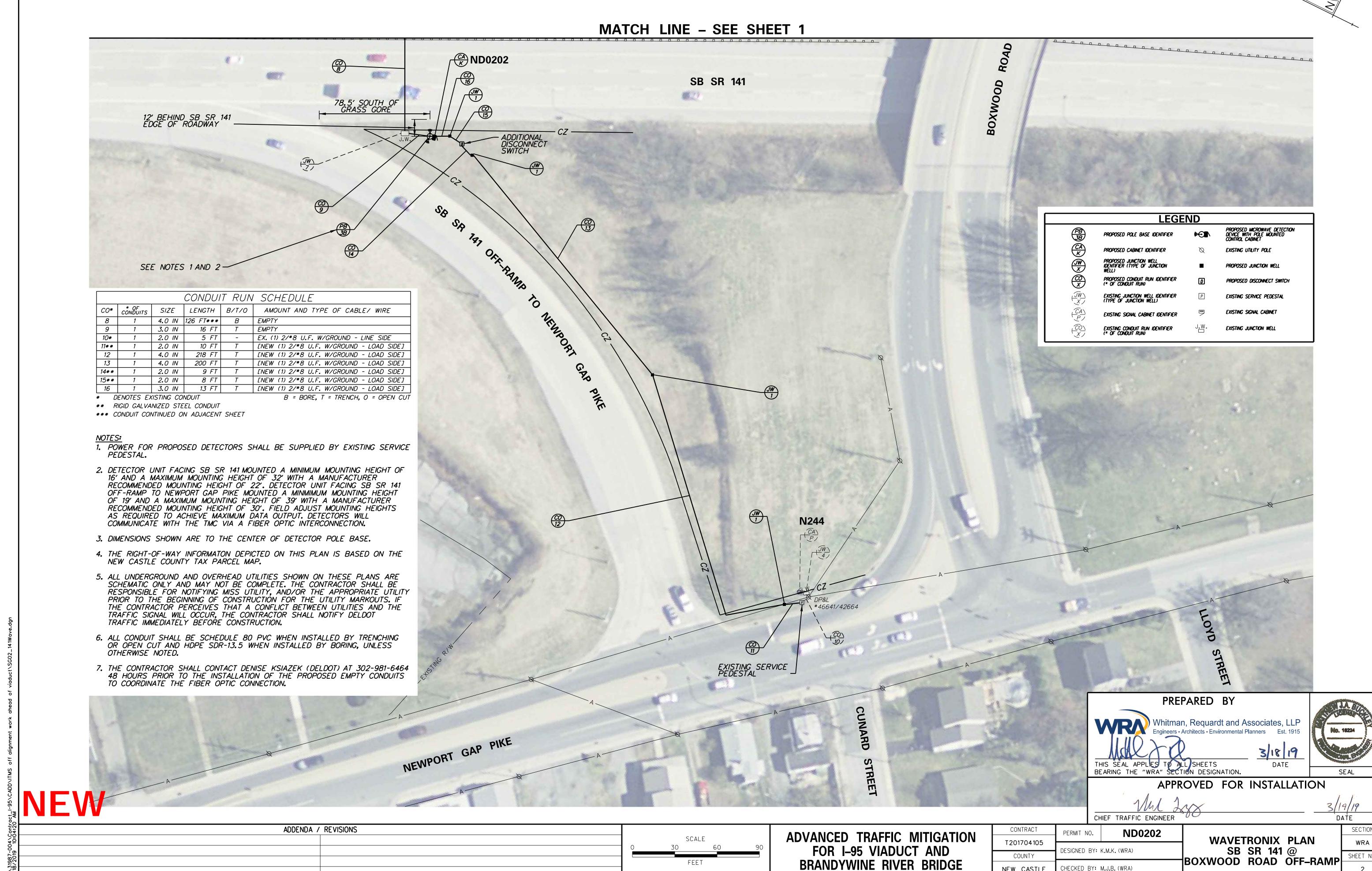
3/19/19

DATE

ADDENDA / REVISIONS

FEET

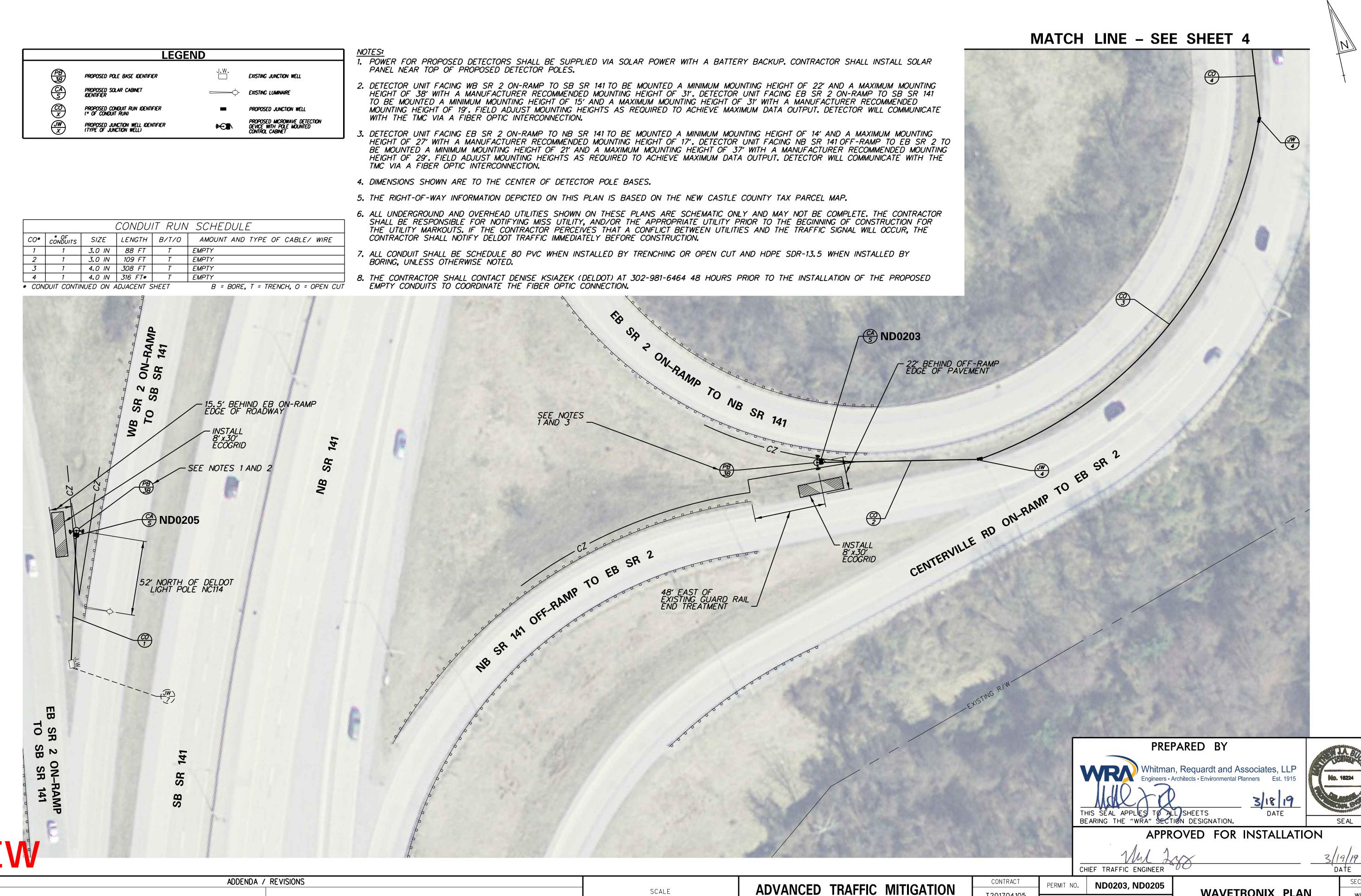
FOR I-95 VIADUCT AND **BRANDYWINE RIVER BRIDGE**



FEET

CHECKED BY: M.J.B. (WRA)

NEW CASTLE



FEET

WAVETRONIX PLAN SR 141 @ SR 2 INTERCHANGE SHEET NO.

T201704105

COUNTY

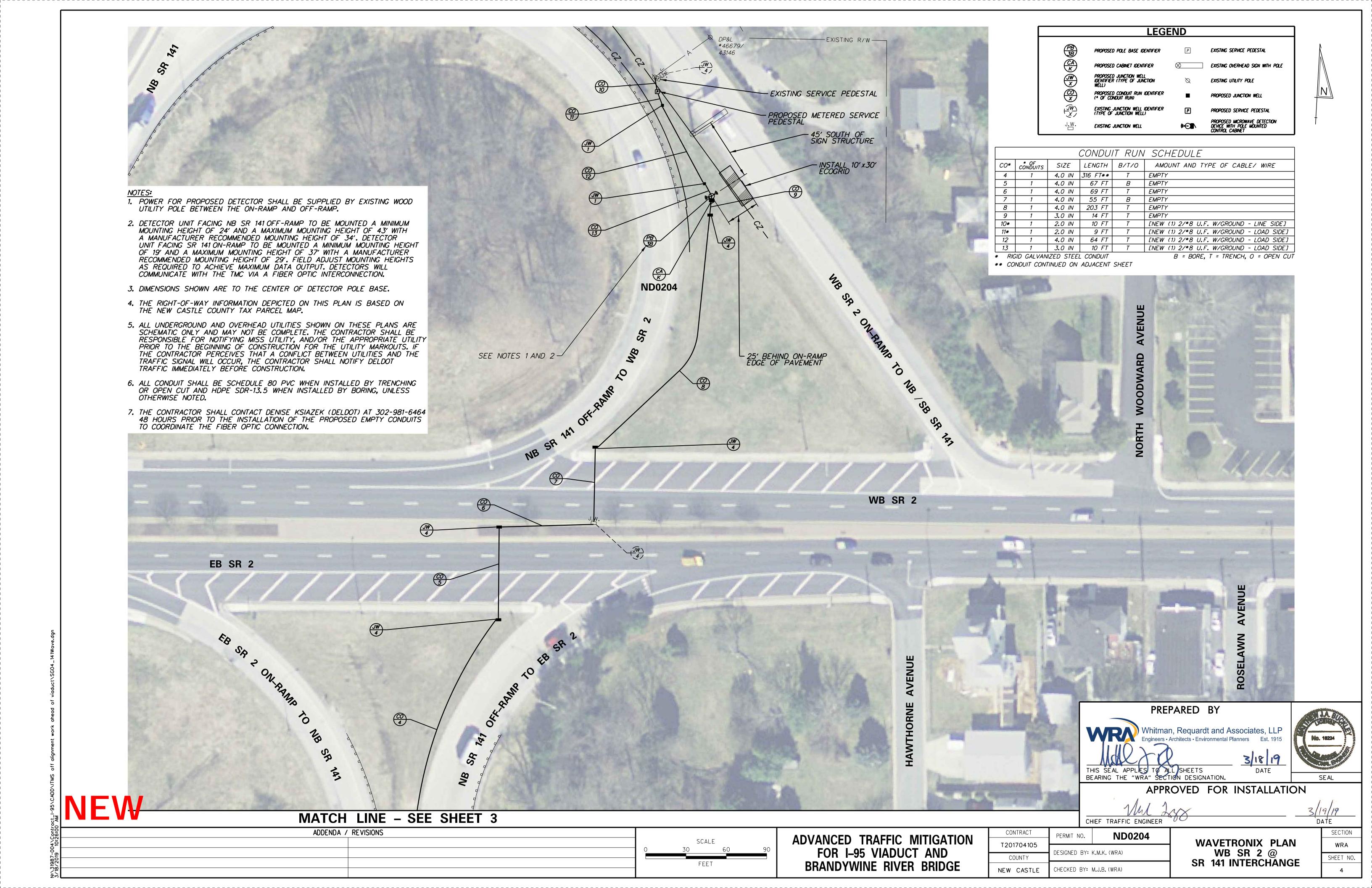
NEW CASTLE

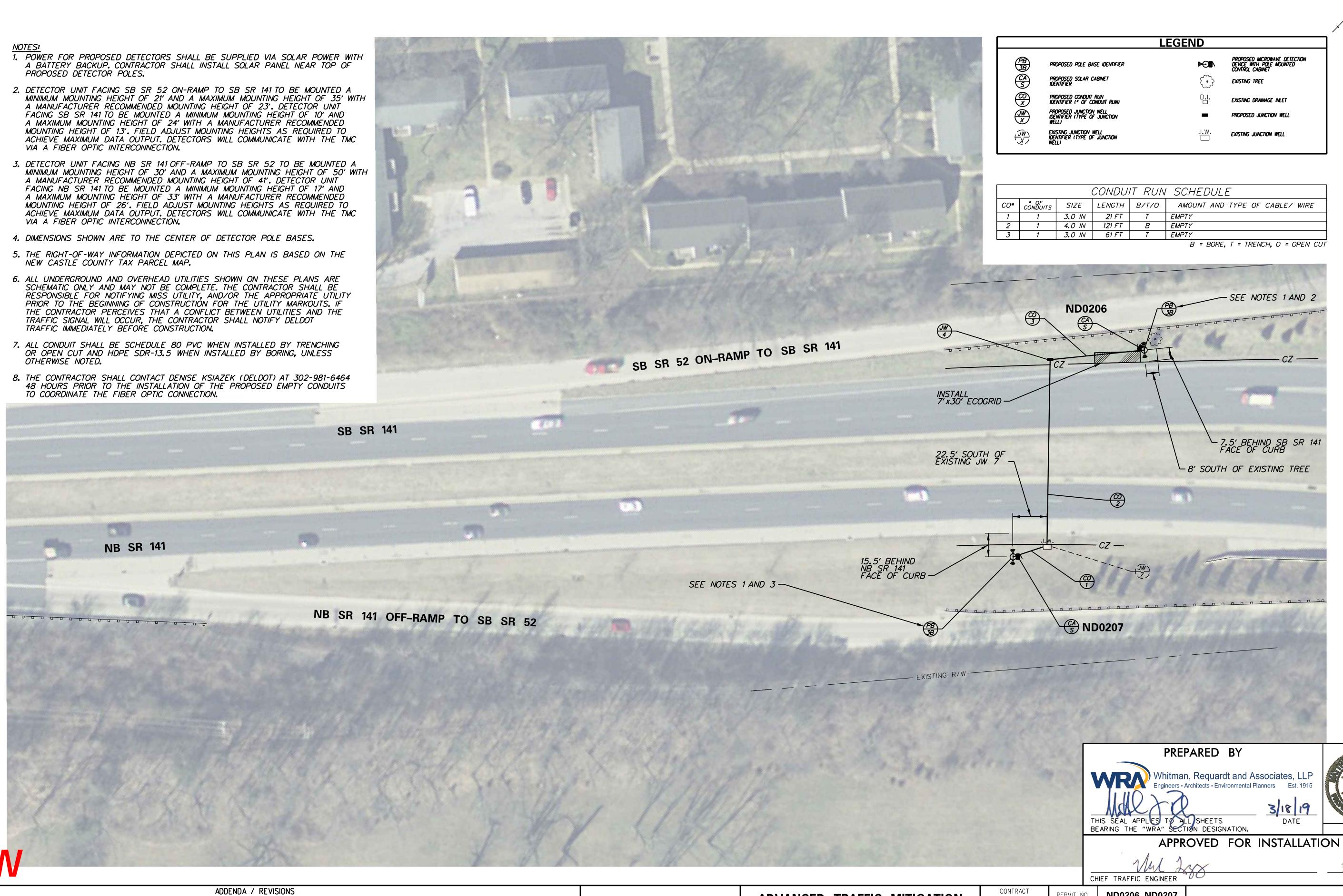
DESIGNED BY: K.M.K. (WRA)

CHECKED BY: M.J.B. (WRA)

FOR I-95 VIADUCT AND

BRANDYWINE RIVER BRIDGE



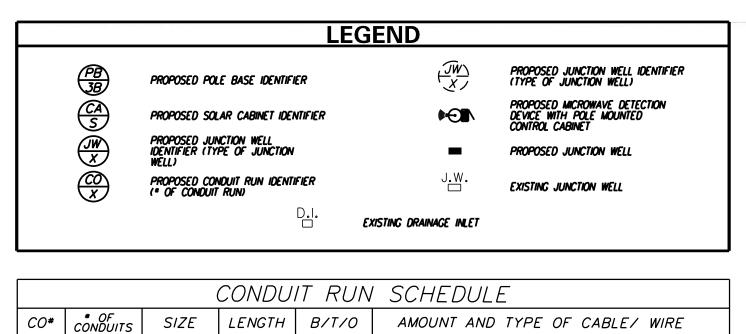


30 60 90 FEET ADVANCED TRAFFIC MITIGATION FOR I-95 VIADUCT AND BRANDYWINE RIVER BRIDGE

CONTRACT	PERMIT NO.	ND0206, ND0207	
T 2 0 1 7 0 4 1 0 5	. 2		
T201704105	DECIONED DV.	IZ M IZ (MIDA)	
COUNTY	DESIGNED BY: K.M.K. (WRA)		
NEW CASTLE	CHECKED BY:	M.J.B. (WRA)	

WAVETRONIX PLAN SR 141 @ SB SR 52 RAMPS SECTION
WRA
SHEET NO.
5

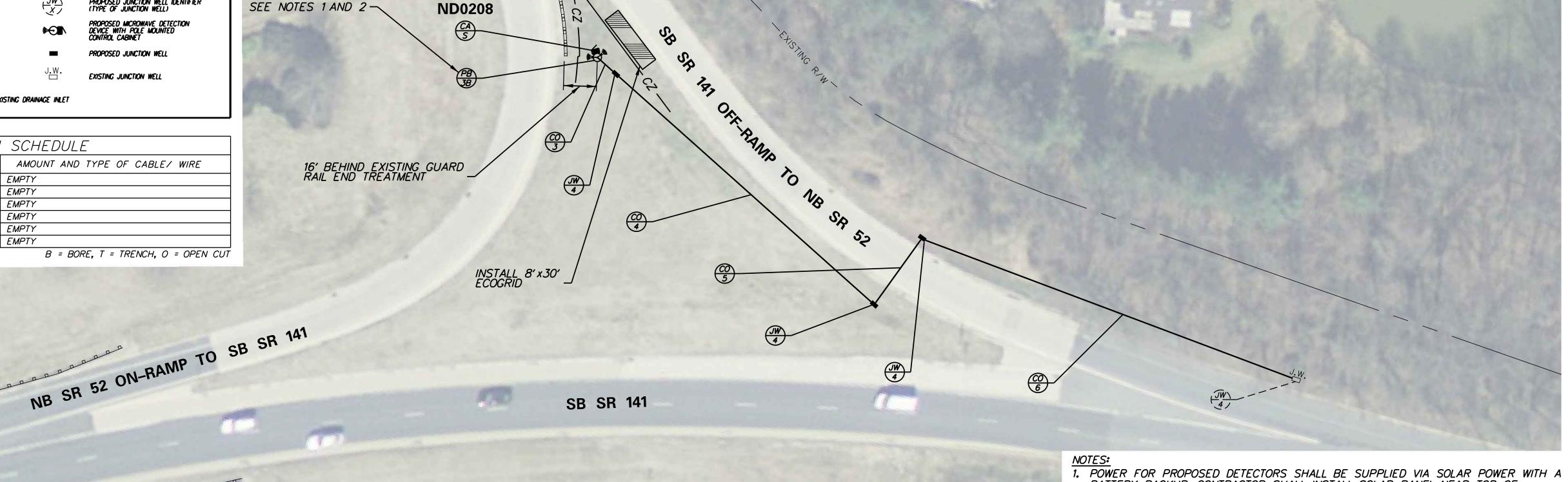
3/19/19 DATE



	CONDUIT RUN SCHEDULE				
CO#	* OF CONDUITS	SIZE	LENGTH	<i>B/T/0</i>	AMOUNT AND TYPE OF CABLE/ WIRE
1	1	3.0 IN	84 FT	Τ	EMPTY
2	1	4.0 IN	45 FT	В	EMPTY
3	1	3.0 IN	11 FT	Τ	EMPTY
4	1	4.0 IN	164 FT	Τ	EMPTY
5	1	4.0 IN	38 FT	В	EMPTY
6	1	4.0 IN	190 FT	T	EMPTY
B = BORE, T = TRENCH, O = OPEN CUT					

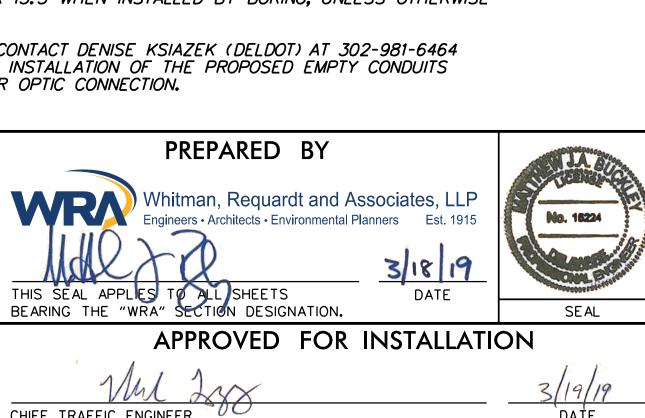
TO

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NB SR 141 OFF-RAMP TO

- BATTERY BACKUP. CONTRACTOR SHALL INSTALL SOLAR PANEL NEAR TOP OF PROPOSED DETECTOR POLES.
- 2. DETECTOR UNIT FACING SB SR 141 OFF-RAMP TO NB SR 52 TO BE MOUNTED A MINIMUM MOUNTING HEIGHT OF 17' AND A MAXIMUM MOUNTING HEIGHT OF 34' WITH A MANUFACTURER RECOMMENDED MOUNTING HEIGHT OF 26'. DETECTOR UNIT FACING NB SR 52 ON-RAMP TO SB SR 141 TO BE MOUNTED A MINIMUM MOUNTING HEIGHT OF 32' WITH A MANUFACTURER RECOMMENDED MOUNTING HEIGHT OF 22'. FIELD ADJUST MOUNTING HEIGHTS AS REQUIRED TO ACHIEVE MAXIMUM DATA OUTPUT. DETECTORS WILL COMMUNICATE WITH THE TMC VIA A FIBER OPTIC INTERCONNECTION.
- 3. DETECTOR UNIT FACING NB SR 141 OFF-RAMP TO NB SR 52 TO BE MOUNTED A MINIMUM MOUNTING HEIGHT OF 13' AND A MAXIMUM MOUNTING HEIGHT OF 28' WITH A MANUFACTURER RECOMMENDED MOUNTING HEIGHT OF 16'. FIELD ADJUST MOUNTING HEIGHT AS REQUIRED TO ACHIEVE MAXIMUM DATA OUTPUT. DETECTOR WILL COMMUNICATE WITH THE TMC VIA A FIBER OPTIC INTERCONNECTION.
- 4. DIMENSIONS SHOWN ARE TO THE CENTER OF DETECTOR POLE BASES.
- 5. THE RIGHT-OF-WAY INFORMATION DEPICTED ON THIS PLAN IS BASED ON THE NEW CASTLE COUNTY TAX PARCEL MAP.
- 6. 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.
- 7. ALL CONDUIT SHALL BE SCHEDULE 80 PVC WHEN INSTALLED BY TRENCHING OR OPEN CUT AND HDPE SDR-13.5 WHEN INSTALLED BY BORING, UNLESS OTHERWISE
- 8. THE CONTRACTOR SHALL CONTACT DENISE KSIAZEK (DELDOT) AT 302-981-6464 48 HOURS PRIOR TO THE INSTALLATION OF THE PROPOSED EMPTY CONDUITS TO COORDINATE THE FIBER OPTIC CONNECTION.



ADDENDA / REVISIONS FEET

58' EAST OF DRAINAGE INLET

SEE NOTES 1 AND 3

NB SR 141

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

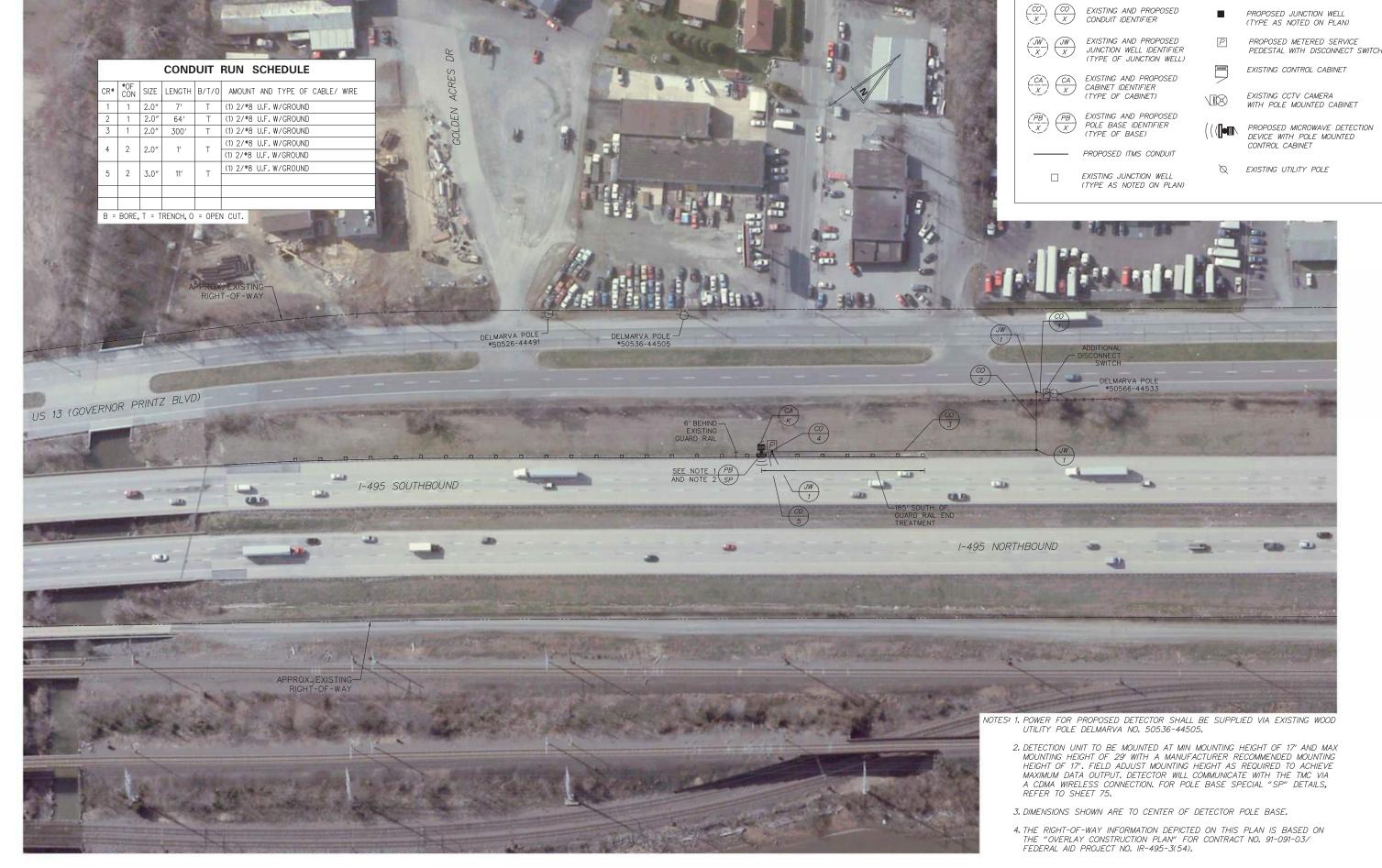
INSTALL 10' x30' ECOGRID

(A) ND0209

		C	HER TRAFFIC ENGINEER		
CONTRACT	PERMIT NO.		ND0208, ND0209		
C 2 0 1 7 0 4 1 0 E			1400200, 1400200		
201704105	DESIGNED BY: K.M.K. (WRA)				
COUNTY	DESIGNED DIE K.M.K. (WKA)				
FW CASTLE	CHECKED	BY:	M.J.B. (WRA)		

WAVETRONIX PLAN SR 141 @ NB SR 52 RAMPS

DATE SHEET NO.



DELAWARE
DEPARTMENT OF TRANSPORTATION

SCALE
0 50 100 15
FEET

ADDENDUMS / REVISIONS

FREEWAY DETECTION INSTALLATION PROJECT

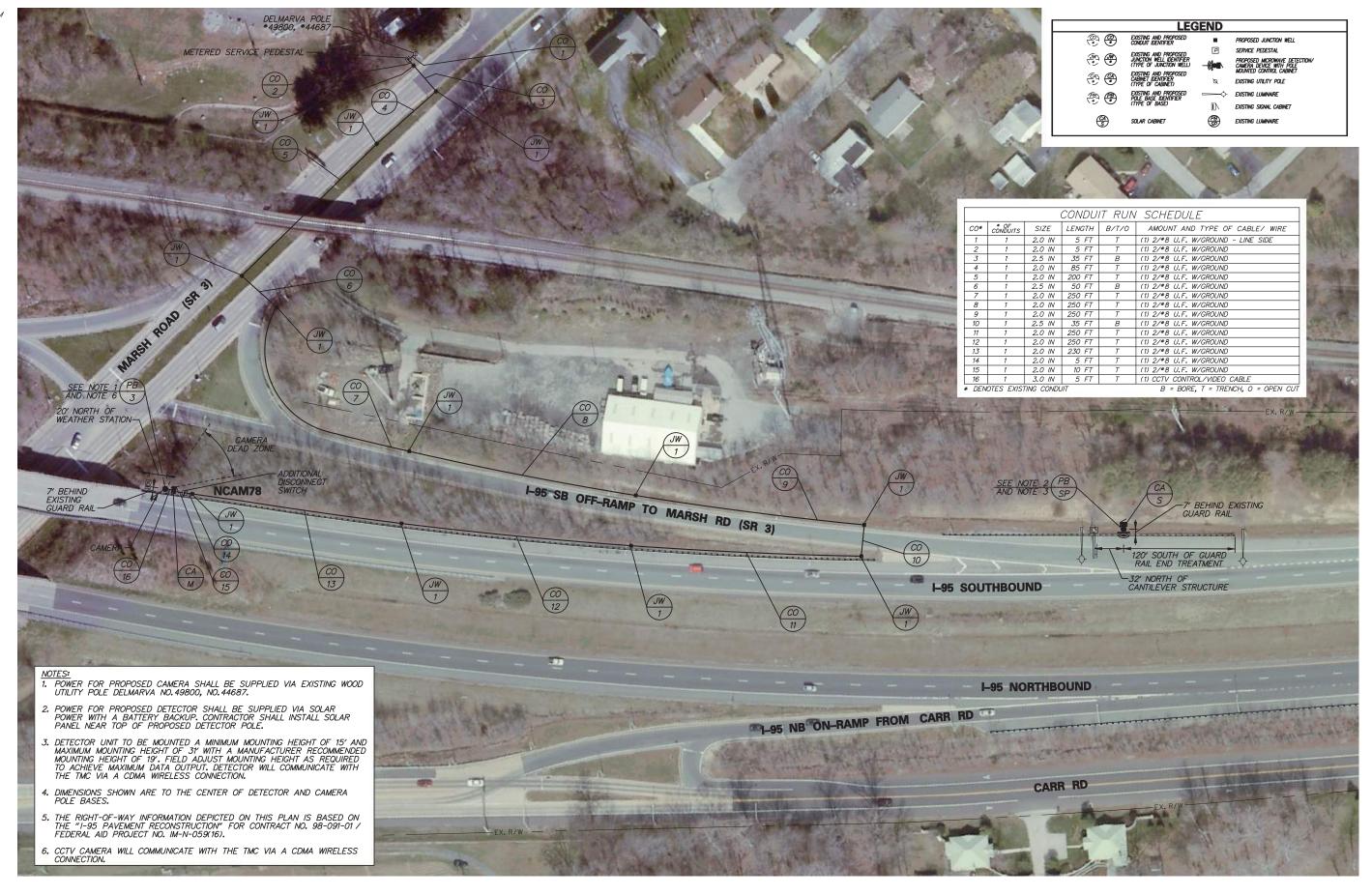
SITE #16

LEGEND

17
TOTAL SHTS.
75

SHEET NO.





	WARE		
	DEPARTMENT	OF	WARE TRANSPORTATION
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		SC	ALE	
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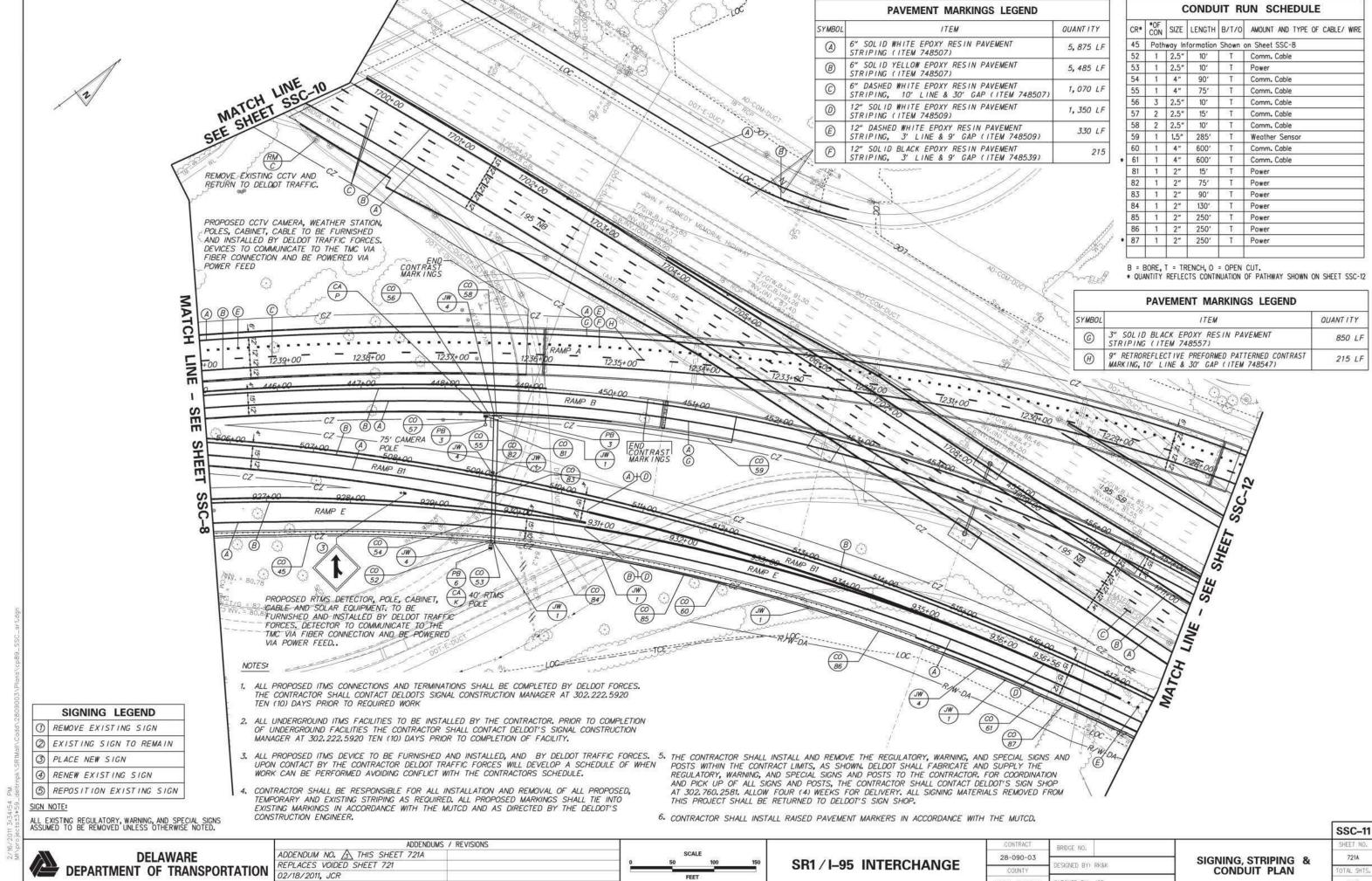
ADDENDUM / REVISIONS

FREEWAY DETECTION INSTALLATION **PROJECT** NEW

ONTRACT	DETECTOR NO.	ND0096		
01204701	DETECTOR NO.	140030		
31204701	DESIGNED BY: L.F.W. (WR&A)			
COUNTY	DESIGNED BT. E.I.W. (WICAA)			
CASTLE	CHECKED BY:	N.M.L. (WR&A)		

53 TOTAL SHTS 75

SHEET NO.



NEW CASTLE

CHECKED BY: JCR