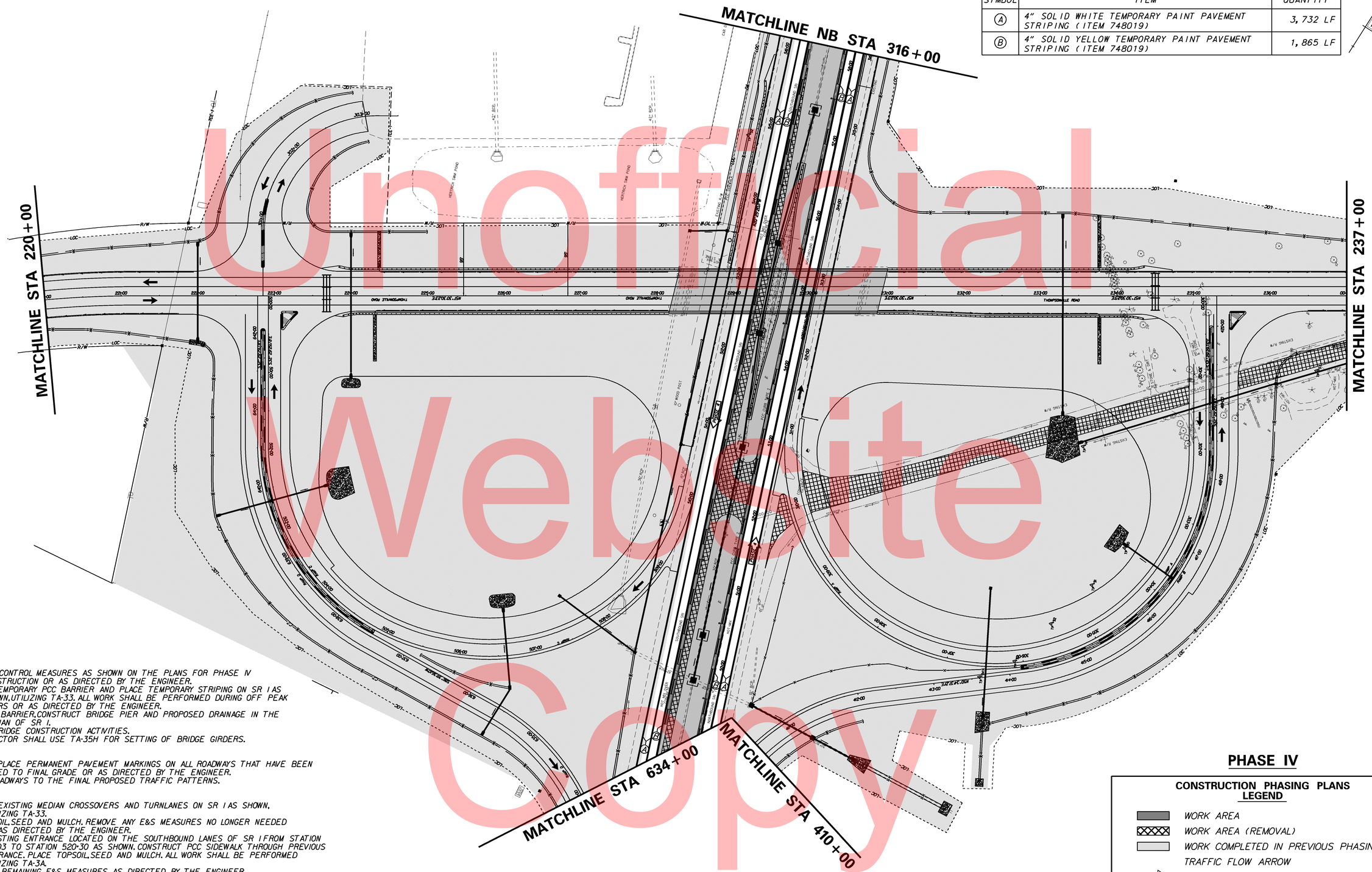
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	3,732 LF
Ⓑ	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,865 LF



PHASE IV

STAGE 1:
1. INSTALL E&S CONTROL MEASURES AS SHOWN ON THE PLANS FOR PHASE IV CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
2. RELOCATE TEMPORARY PCC BARRIER AND PLACE TEMPORARY STRIPING ON SR 1 AS SHOWN, UTILIZING TA-33. ALL WORK SHALL BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. BEHIND PCC BARRIER, CONSTRUCT BRIDGE PIER AND PROPOSED DRAINAGE IN THE MEDIAN OF SR 1.
4. COMPLETE BRIDGE CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL USE TA-35H FOR SETTING OF BRIDGE GIRDERS.

STAGE 3:
1. LAYOUT AND PLACE PERMANENT PAVEMENT MARKINGS ON ALL ROADWAYS THAT HAVE BEEN PAVED TO FINAL GRADE OR AS DIRECTED BY THE ENGINEER.
2. OPEN ALL ROADWAYS TO THE FINAL PROPOSED TRAFFIC PATTERNS.

STAGE 4:
1. REMOVE ALL EXISTING MEDIAN CROSSOVERS AND TURNLANES ON SR 1 AS SHOWN, UTILIZING TA-33.
2. PLACE TOPSOIL, SEED AND MULCH. REMOVE ANY E&S MEASURES NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
3. REMOVE EXISTING ENTRANCE LOCATED ON THE SOUTHBOUND LANES OF SR 1 FROM STATION 519+03 TO STATION 520+30 AS SHOWN. CONSTRUCT PCC SIDEWALK THROUGH PREVIOUS ENTRANCE, PLACE TOPSOIL, SEED AND MULCH. ALL WORK SHALL BE PERFORMED UTILIZING TA-3A.
4. REMOVE ANY REMAINING E&S MEASURES AS DIRECTED BY THE ENGINEER.

PHASE IV

CONSTRUCTION PHASING PLANS LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- PHASE * 2-WAY SR1 TRAFFIC FLOW ARROW

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR 1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO. N\A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SHEET NO. 131
				COUNTY KENT	DESIGNED BY:		TOTAL SHTS. 183
					CHECKED BY:		

CONSTRUCTION PHASING PLANS
LEGEND

- WORK AREA
- WORK AREA (REMOVAL)
- WORK COMPLETED IN PREVIOUS PHASING
- TRAFFIC FLOW ARROW
- PHASE 2-WAY SR1 TRAFFIC FLOW ARROW

PHASE IV

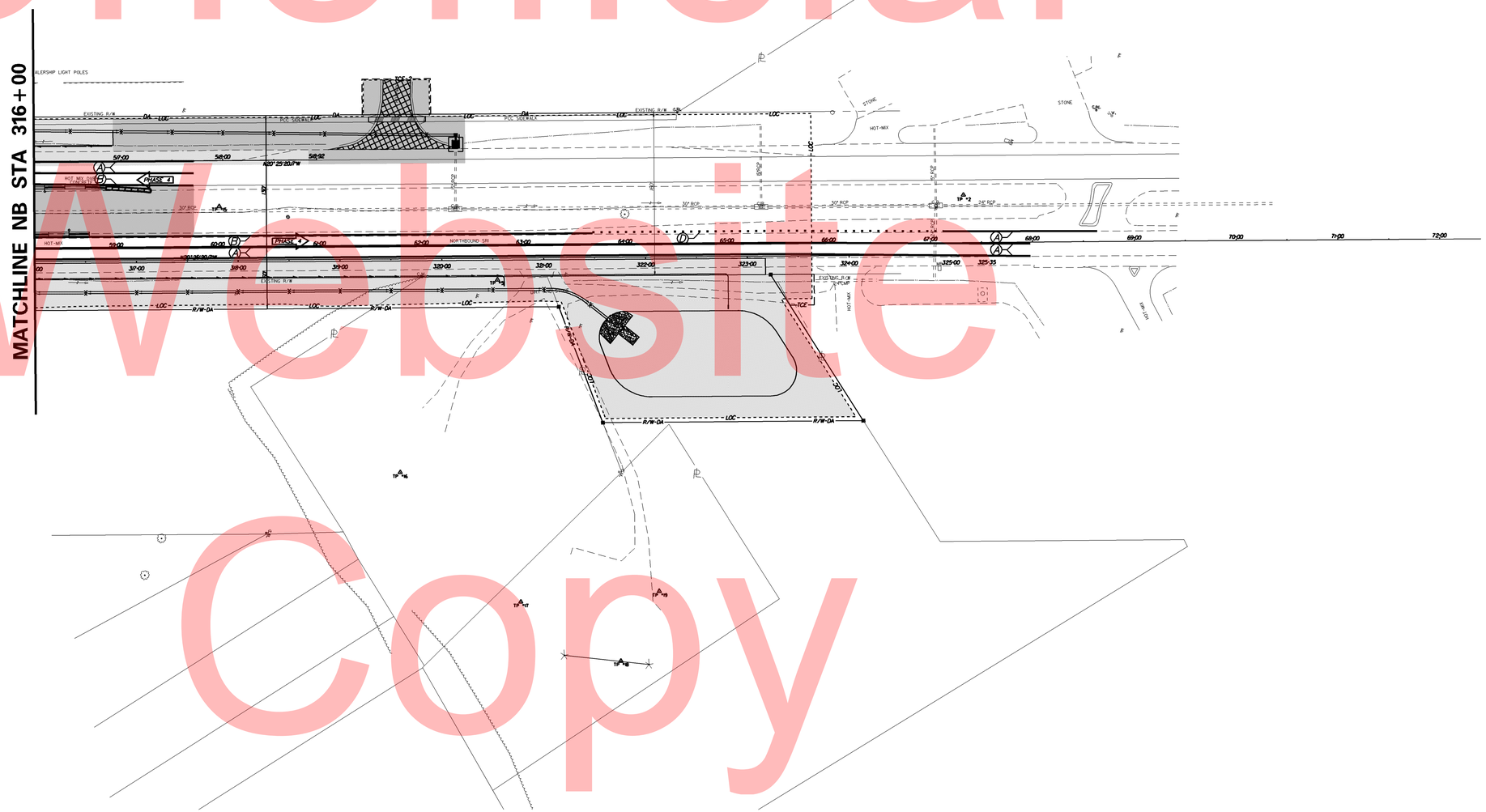
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	2,993 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,024 LF
(D)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748019)	88 LF

PHASE IV

STAGE 1:
1. INSTALL E&S CONTROL MEASURES AS SHOWN ON THE PLANS FOR PHASE IV CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
2. RELOCATE TEMPORARY PCC BARRIER AND PLACE TEMPORARY STRIPING ON SR 1 AS SHOWN, UTILIZING TA-33. ALL WORK SHALL BE PERFORMED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
3. BEHIND PCC BARRIER, CONSTRUCT BRIDGE PIER AND PROPOSED DRAINAGE IN THE MEDIAN OF SR 1.
4. COMPLETE BRIDGE CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL USE TA-35H FOR SETTING OF BRIDGE GIRDERS.

STAGE 3:
1. LAYOUT AND PLACE PERMANENT PAVEMENT MARKINGS ON ALL ROADWAYS THAT HAVE BEEN PAVED TO FINAL GRADE OR AS DIRECTED BY THE ENGINEER.
2. OPEN ALL ROADWAYS TO THE FINAL PROPOSED TRAFFIC PATTERNS.

STAGE 4:
1. REMOVE ALL EXISTING MEDIAN CROSSOVERS AND TURNLANES ON SR 1 AS SHOWN, UTILIZING TA-33.
2. PLACE TOPSOIL, SEED AND MULCH. REMOVE ANY E&S MEASURES NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
3. REMOVE EXISTING ENTRANCE LOCATED ON THE SOUTHBOUND LANES OF SR 1 FROM STATION 519+03 TO STATION 520+30 AS SHOWN. CONSTRUCT PCC SIDEWALK THROUGH PREVIOUS ENTRANCE. PLACE TOPSOIL, SEED AND MULCH. ALL WORK SHALL BE PERFORMED UTILIZING TA-3A.
4. REMOVE ANY REMAINING E&S MEASURES AS DIRECTED BY THE ENGINEER.



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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	SR 1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO. N\A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SHEET NO. 132
				COUNTY KENT	DESIGNED BY:		TOTAL SHTS. 183
					CHECKED BY:		

PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

THOMPSON -VILLE ROAD	CLOSING AT SR 1 XX/XX/XX

DURING DETOUR
(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-2

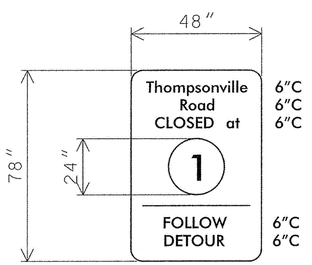
THOMPSON VILLE RD CLOSED	AT SR 1 FOLLOW DETOUR

DURING DETOUR
(DISPLAY FOR ENTIRE DURATION OF DETOUR)

PCMS-3

CAUTION CAUTION CAUTION	TRAFFIC ENTERING HIGHWAY

SPECIAL SIGNS

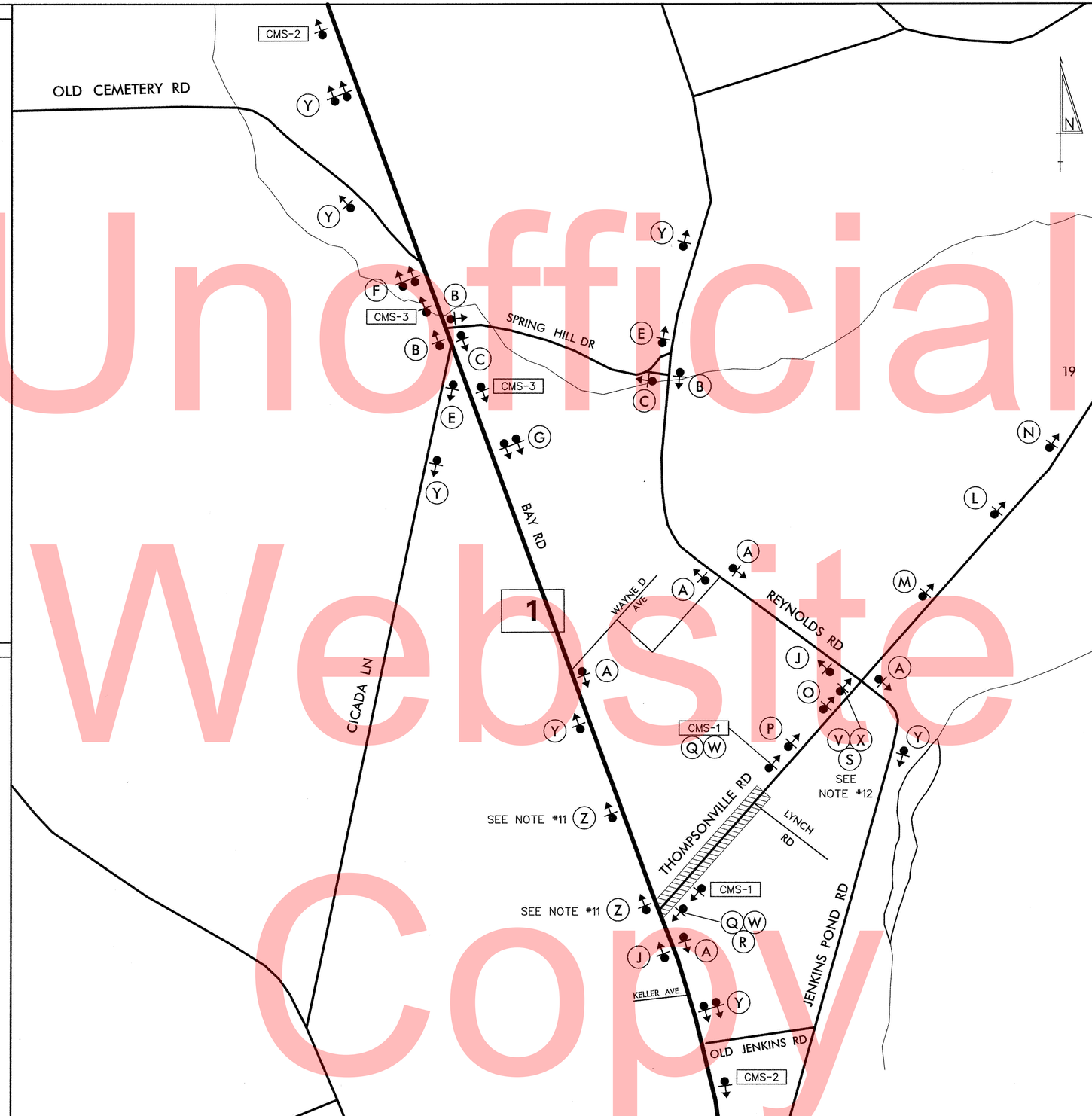


SIGN: RETROREFLECTIVE FLUORESCENT ORANGE; BLACK LEGEND

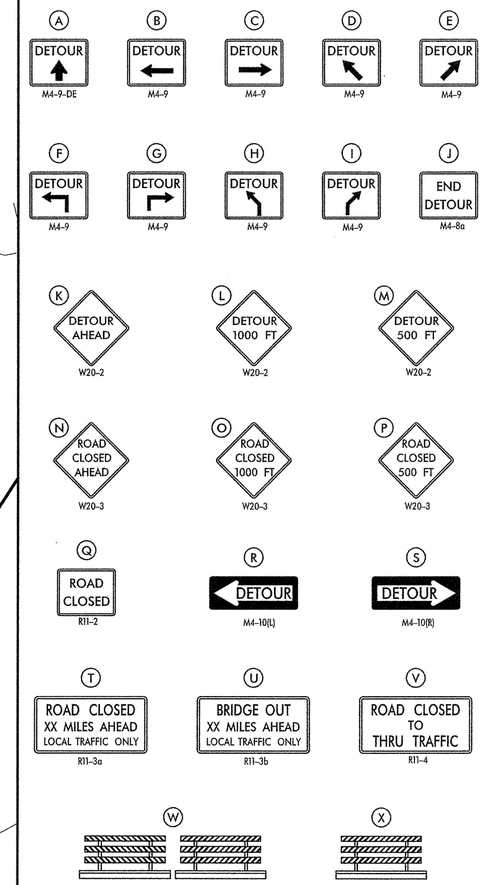
ROUTE SHIELD: BLACK LEGEND ON WHITE BACKGROUND

(Y)

(Z)



LEGEND



NOTES

1. ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD) WILL PREVAIL.
7. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
8. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
9. "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
10. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
11. PLACE Z SIGN ONLY ON MEDIAN TO DETOUR LEFT- TURN TRAFFIC TO REYNOLDS RD.
12. PROVIDE ACCESS AT ALL TIME TO LOCAL RESIDENTS LIVING WITHIN THE CLOSURE DURING DETOUR.
13. COORDINATE WITH TMC FOR ALL SIGNAL TIMING AND PHASING CHANGES IN CONNECTION WITH THIS DETOUR.

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: 12/18/13

RECOMMENDED _____ DATE: 12/18/13

APPROVED CHIEF SAFETY OFFICER _____ DATE: 12-20-13

APPROVED TRAFFIC ENGINEER _____ DATE: 12/20/13

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	PERMIT NO.	N/A
T200412201	DESIGNED BY: SWN	
COUNTY		
KENT	CHECKED BY: ASW	

DETOUR PLAN

SHEET NO. 133

TOTAL SHTS. 183

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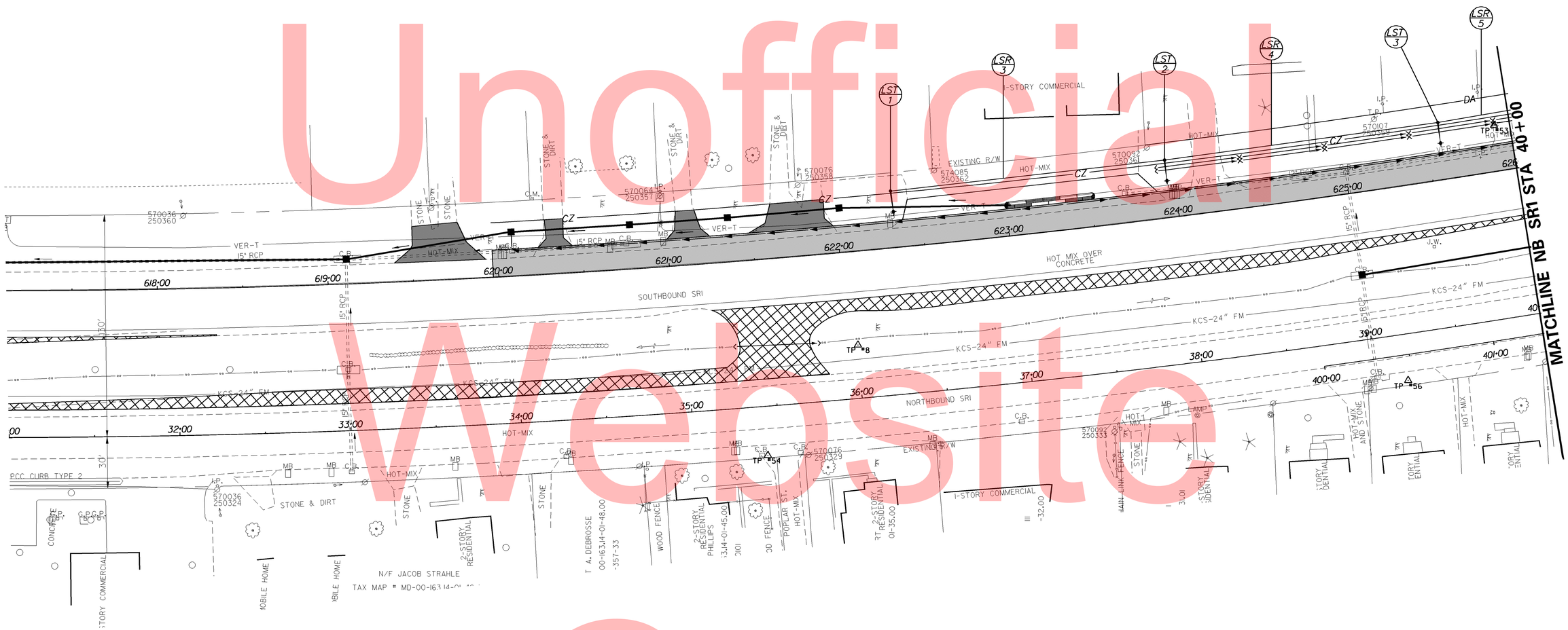
LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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 LIGHTING EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.



LIGHTING SERVICE SCHEDULE			
SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
3	161'	3.0"	CKT. A -(2)#6 (1)#6 GND
4	162'	3.0"	CKT. A -(3)#6 (1)#6 GND
**5	163'	3.0"	CKT. A -(4)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
** SEE MATCHING SHEET

LIGHTING STANDARD SCHEDULE								
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
1	A1	RAMP D, 622+33	34' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
2	A2	RAMP D, 623+96	34' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
3	A3	RAMP D, 625+58	34' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS

Unofficial Website Copy

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

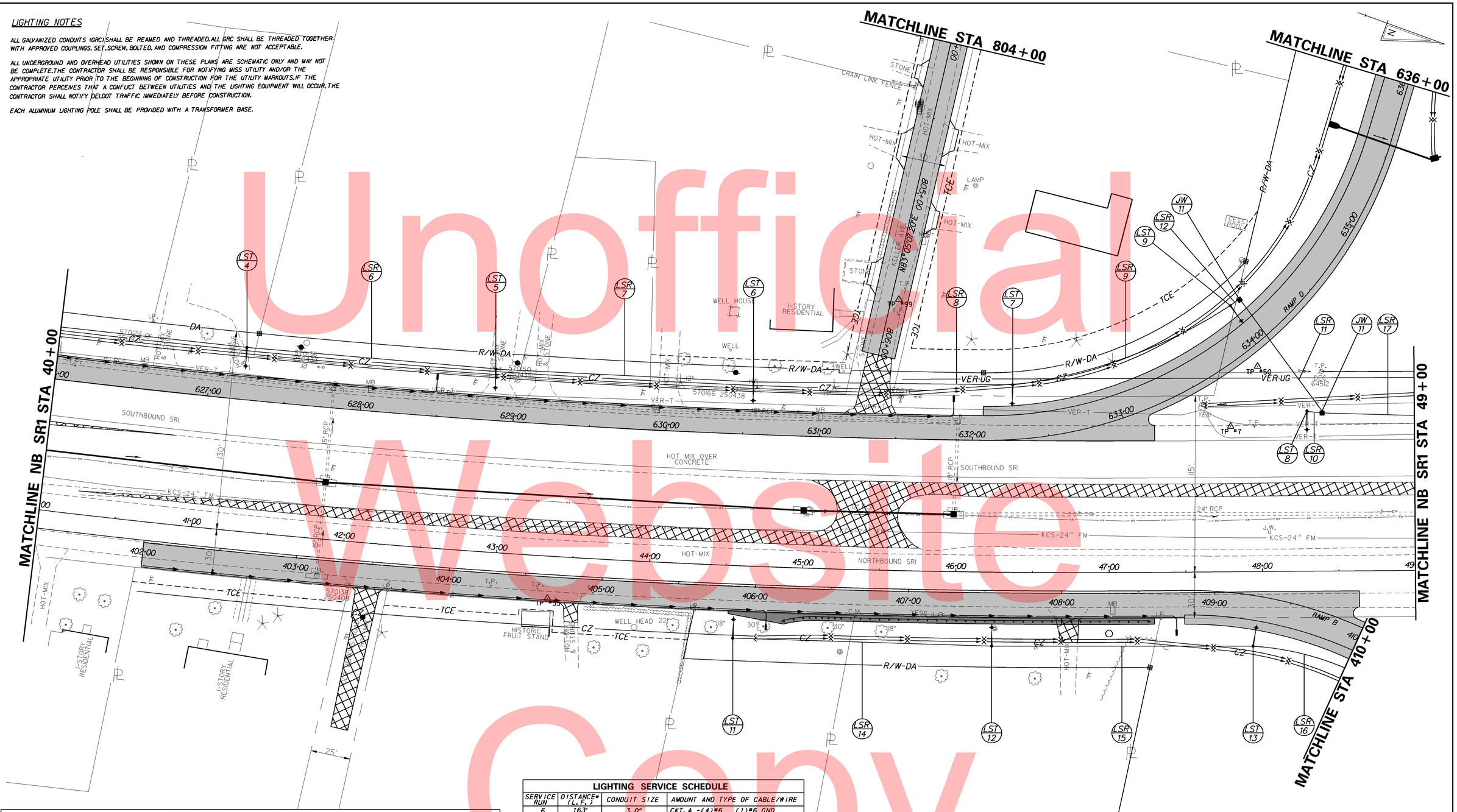
CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

LIGHTING PLAN

SHEET NO.
134
TOTAL SHTS.
183

LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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 LIGHTING EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.



LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LUMINAIRE MOUNTING HEIGHT
4	A1	RAMP D, 627+22	34' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
5	A2	RAMP D, 628+86	34' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
6	A3	RAMP D, 630+56	34' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
7	A1	RAMP D, 632+29	36' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
8	A3	SR1 NB, 48+30	105' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
9	A2	RAMP D, 634+03	30' L	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
11	B2	RAMP B, 405+87	35' R	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
12	B3	RAMP B, 407+55	36' R	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'
13	B1	RAMP B, 409+31	33' R	12'	ALUMINUM LIGHT POLE	TYPE 6	250W, HPS	40'

LIGHTING SERVICE SCHEDULE

SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
6	163'	3.0"	CKT. A -(4)#6 (1)#6 GND
7	168'	3.0"	CKT. A -(4)#6 (1)#6 GND
8	169'	3.0"	CKT. A -(4)#6 (1)#6 GND
9	155'	3.0"	CKT. A -(4)#6 (1)#6 GND
10	8'	3.0"	CKT. A -(2)#6 (1)#6 GND
11	92'	3.0"	CKT. A -(4)#6 (1)#6 GND
12	7'	3.0"	CKT. A -(4)#6 (1)#6 GND
14	169'	3.0"	CKT. B -(3)#6 (1)#6 GND
15	170'	3.0"	CKT. B -(4)#6 (1)#6 GND
**16	130'	3.0"	CKT. B -(4)#6 (1)#6 GND
**17	140'	3.0"	CKT. A -(4)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
** SEE MATCHING SHEET.

Unofficial Website Copy

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

LIGHTING PLAN

SHEET NO.
135
TOTAL SHTS.
183

LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR 277/480 VOLTS, 3-PHASE, 4-WIRE ELECTRICAL SERVICE AND CABLE, AND SERVICE CONNECTION REQUIREMENTS.
3. LIGHTING LOAD CENTER CABINET SHALL BE COMPATIBLE WITH 277/480 VOLT, 3-PHASE, 4-WIRE ELECTRICAL SERVICE. LIGHTING LOAD CENTER CABINET SHALL BE EQUIPPED WITH CENTRAL PHOTOELECTRIC CONTROL.
4. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.

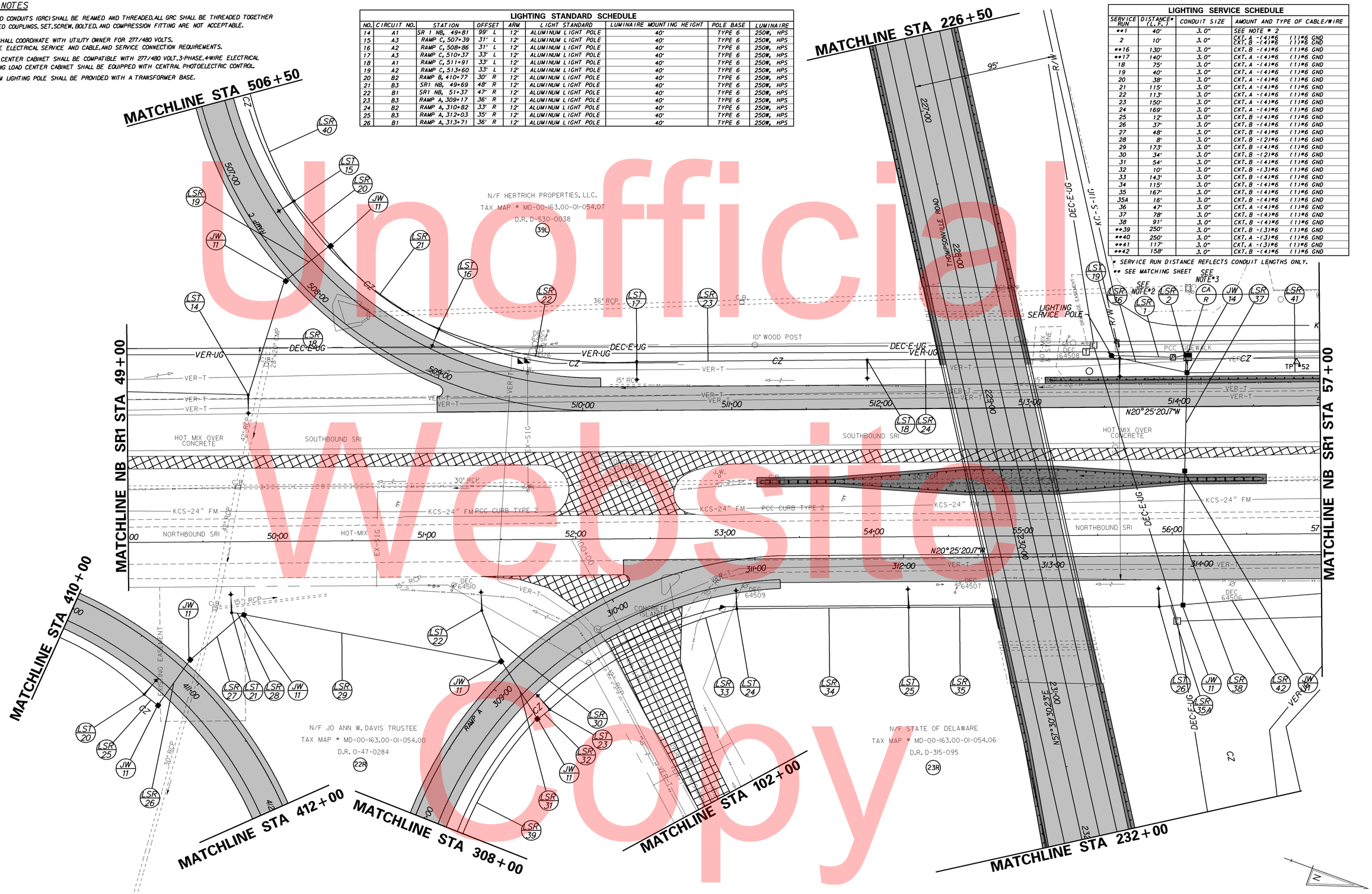
LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
14	A1	SR 1 NB, 49+81	99' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
15	A3	RAMP C, 507+39	31' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
16	A2	RAMP C, 508+86	31' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
17	A3	RAMP C, 510+37	33' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
18	A1	RAMP C, 511+91	33' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
19	A2	RAMP C, 513+60	33' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
20	B2	RAMP B, 410+77	30' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
21	B3	SR1 NB, 49+69	48' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
22	B1	SR1 NB, 51+37	47' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
23	B3	RAMP A, 309+17	36' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
24	B2	RAMP A, 310+82	33' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
25	B3	RAMP A, 312+03	35' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
26	B1	RAMP A, 313+71	36' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS

LIGHTING SERVICE SCHEDULE

SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
**1	40'	3.0"	SEE NOTE # 2
2	10'	3.0"	CKT. A -(4)#6 (1)#6 GND CKT. B -(4)#6 (1)#6 GND
**16	130'	3.0"	CKT. B -(4)#6 (1)#6 GND
**17	140'	3.0"	CKT. A -(4)#6 (1)#6 GND
18	75'	3.0"	CKT. A -(4)#6 (1)#6 GND
19	40'	3.0"	CKT. A -(4)#6 (1)#6 GND
20	38'	3.0"	CKT. A -(4)#6 (1)#6 GND
21	115'	3.0"	CKT. A -(4)#6 (1)#6 GND
22	113'	3.0"	CKT. A -(4)#6 (1)#6 GND
23	150'	3.0"	CKT. A -(4)#6 (1)#6 GND
24	169'	3.0"	CKT. A -(4)#6 (1)#6 GND
25	12'	3.0"	CKT. B -(4)#6 (1)#6 GND
26	37'	3.0"	CKT. B -(4)#6 (1)#6 GND
27	48'	3.0"	CKT. B -(4)#6 (1)#6 GND
28	8'	3.0"	CKT. B -(2)#6 (1)#6 GND
29	173'	3.0"	CKT. B -(4)#6 (1)#6 GND
30	34'	3.0"	CKT. B -(2)#6 (1)#6 GND
31	54'	3.0"	CKT. B -(4)#6 (1)#6 GND
32	10'	3.0"	CKT. B -(3)#6 (1)#6 GND
33	143'	3.0"	CKT. B -(4)#6 (1)#6 GND
34	115'	3.0"	CKT. B -(4)#6 (1)#6 GND
35	167'	3.0"	CKT. B -(4)#6 (1)#6 GND
35A	16'	3.0"	CKT. B -(4)#6 (1)#6 GND
36	47'	3.0"	CKT. A -(4)#6 (1)#6 GND
37	78'	3.0"	CKT. B -(4)#6 (1)#6 GND
38	91'	3.0"	CKT. B -(4)#6 (1)#6 GND
**39	250'	3.0"	CKT. B -(3)#6 (1)#6 GND
**40	250'	3.0"	CKT. A -(3)#6 (1)#6 GND
**41	117'	3.0"	CKT. A -(3)#6 (1)#6 GND
**42	158'	3.0"	CKT. B -(4)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
** SEE MATCHING SHEET



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

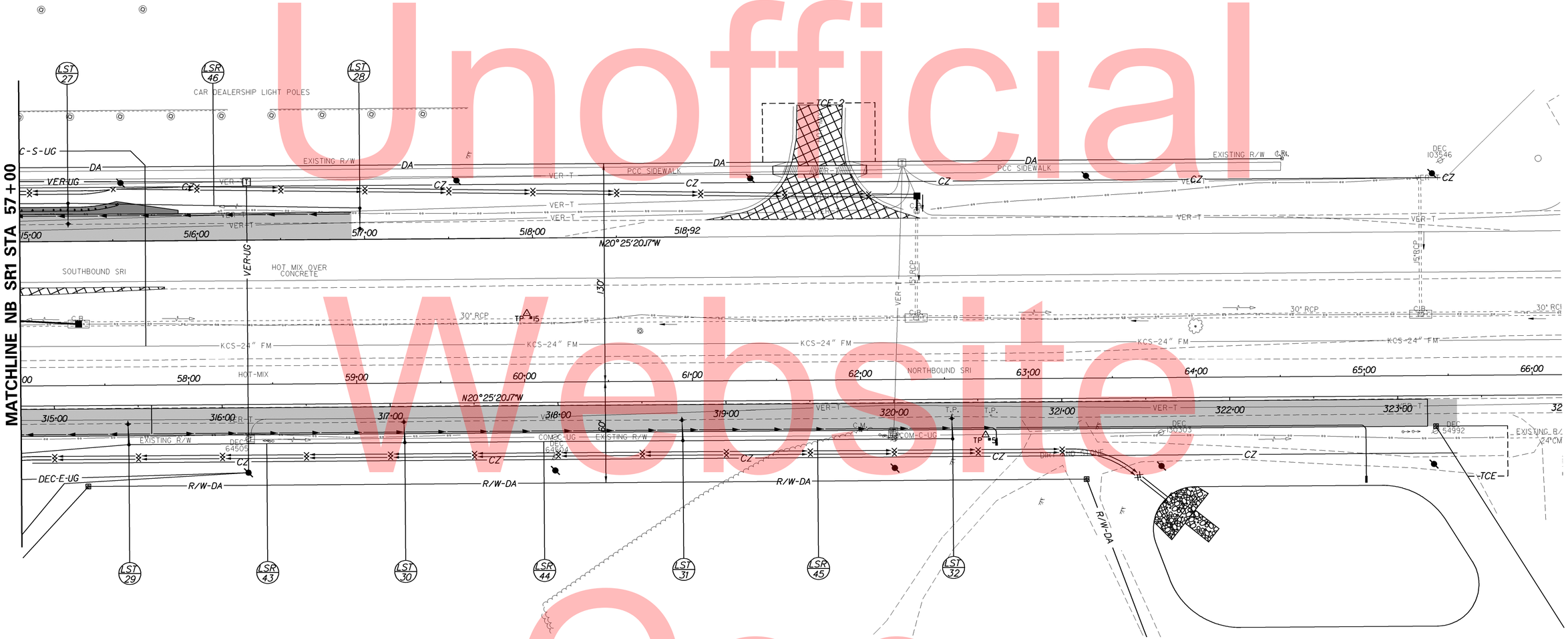
CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

LIGHTING PLAN

SHEET NO. 136
TOTAL SHTS. 183

LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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 LIGHTING EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.



LIGHTING SERVICE SCHEDULE

SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
**41	117'	3.0"	CKT. A -(3)#6 (1)#6 GND
**42	158'	3.0"	CKT. B -(4)#6 (1)#6 GND
43	164'	3.0"	CKT. B -(4)#6 (1)#6 GND
44	165'	3.0"	CKT. B -(3)#6 (1)#6 GND
45	160'	3.0"	CKT. B -(2)#6 (1)#6 GND
46	174'	3.0"	CKT. A -(2)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
** SEE MATCHING SHEET

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	MOUNTING HEIGHT	POLE BASE	LUMINAIRE
27	A3	RAMP C, 515+24	23' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
28	A1	RAMP C, 516+97	19' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
29	B2	RAMP A, 315+44	23' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
30	B3	RAMP A, 317+09	23' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
31	B1	RAMP A, 318+74	23' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
32	B2	RAMP A, 320+35	23' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.		LIGHTING PLAN	SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT		137
COUNTY				TOTAL SHTS.
KENT	CHECKED BY:			183

LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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 LIGHTING EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.

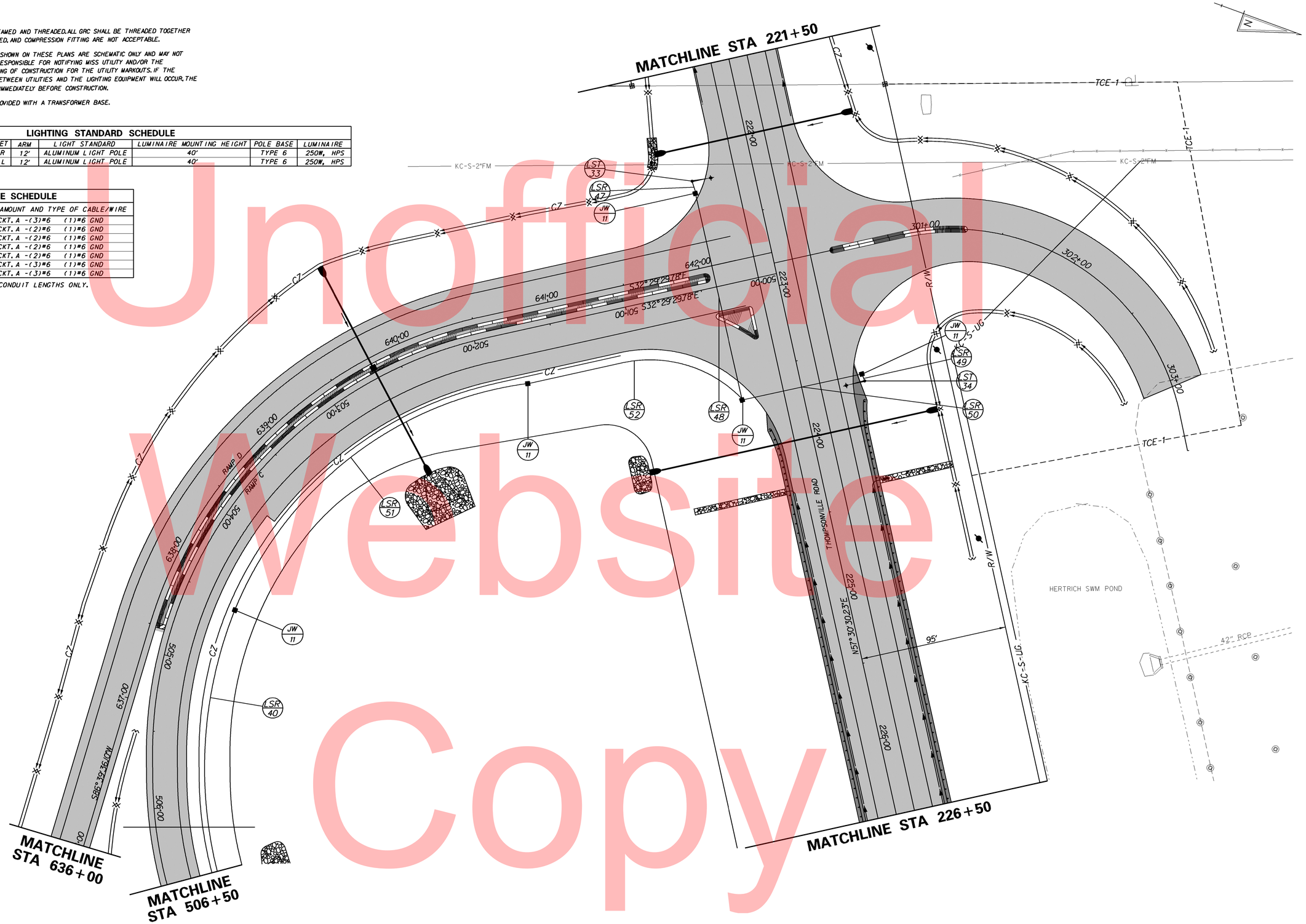
LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
33	A1	RD 19, 222+22	40' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
34	A2	RD 19, 223+72	41' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS

LIGHTING SERVICE SCHEDULE

SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
** 40	250'	3.0"	CKT. A -(3)#6 (1)#6 GND
47	7'	3.0"	CKT. A -(2)#6 (1)#6 GND
48	1.37'	3.0"	CKT. A -(2)#6 (1)#6 GND
49	5'	3.0"	CKT. A -(2)#6 (1)#6 GND
50	79'	3.0"	CKT. A -(2)#6 (1)#6 GND
51	250'	3.0"	CKT. A -(3)#6 (1)#6 GND
52	145'	3.0"	CKT. A -(3)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
** SEE MATCHING SHEET



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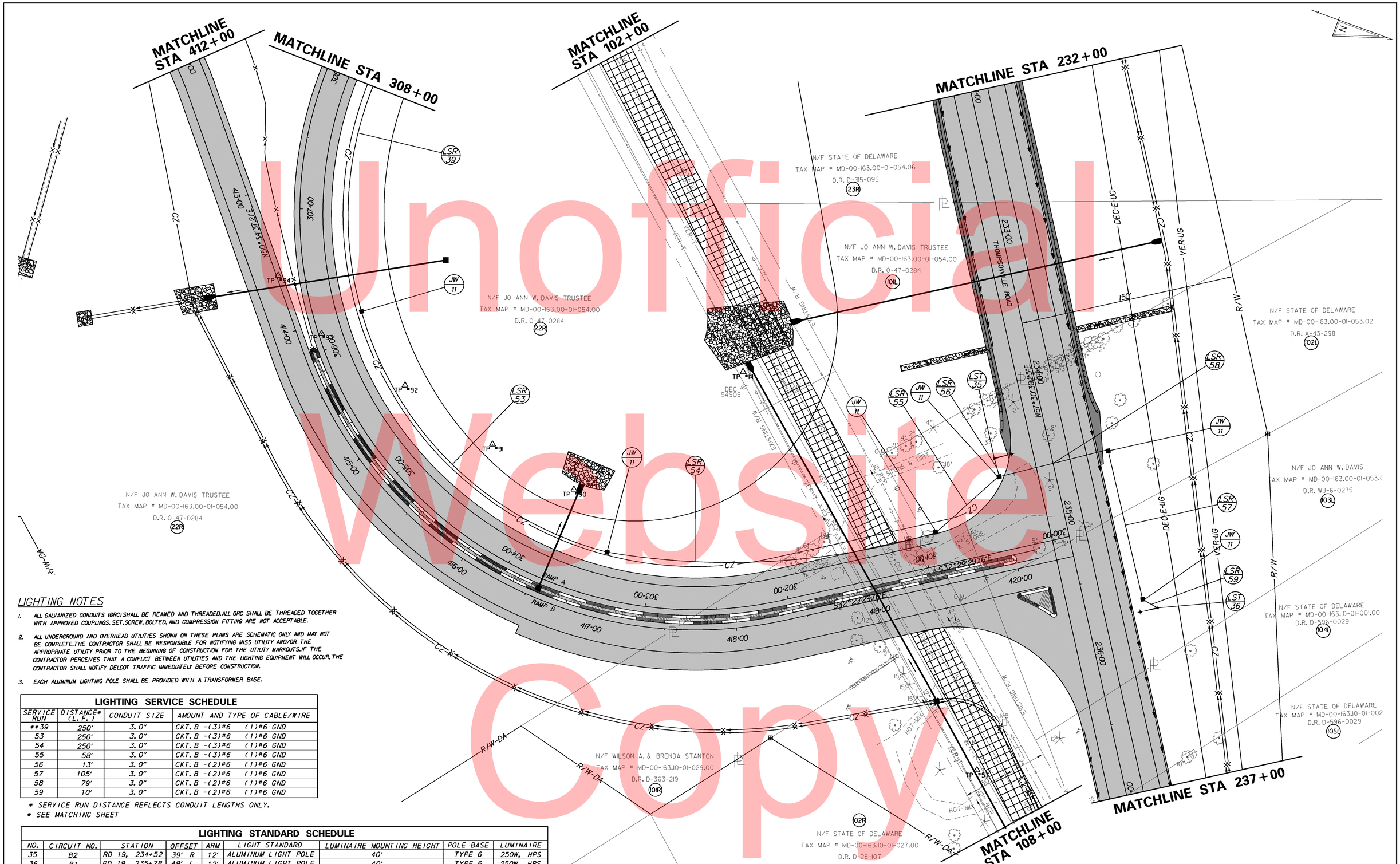
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO.	LIGHTING PLAN	SHEET NO. 138
				COUNTY KENT	DESIGNED BY: MATTHEW VINCENT		TOTAL SHTS. 183
					CHECKED BY:		



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LIGHTING NOTES

1. ALL GALVANIZED CONDUITS (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 LIGHTING EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. EACH ALUMINUM LIGHTING POLE SHALL BE PROVIDED WITH A TRANSFORMER BASE.

LIGHTING SERVICE SCHEDULE

SERVICE RUN	DISTANCE* (L.F.)	CONDUIT SIZE	AMOUNT AND TYPE OF CABLE/WIRE
**39	250'	3.0"	CKT. B -(3)#6 (1)#6 GND
53	250'	3.0"	CKT. B -(3)#6 (1)#6 GND
54	250'	3.0"	CKT. B -(3)#6 (1)#6 GND
55	58'	3.0"	CKT. B -(3)#6 (1)#6 GND
56	13'	3.0"	CKT. B -(2)#6 (1)#6 GND
57	105'	3.0"	CKT. B -(2)#6 (1)#6 GND
58	79'	3.0"	CKT. B -(2)#6 (1)#6 GND
59	10'	3.0"	CKT. B -(2)#6 (1)#6 GND

* SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTHS ONLY.
* SEE MATCHING SHEET

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
35	B2	RD 19, 234+52	39' R	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS
36	B1	RD 19, 235+78	49' L	12'	ALUMINUM LIGHT POLE	40'	TYPE 6	250W, HPS

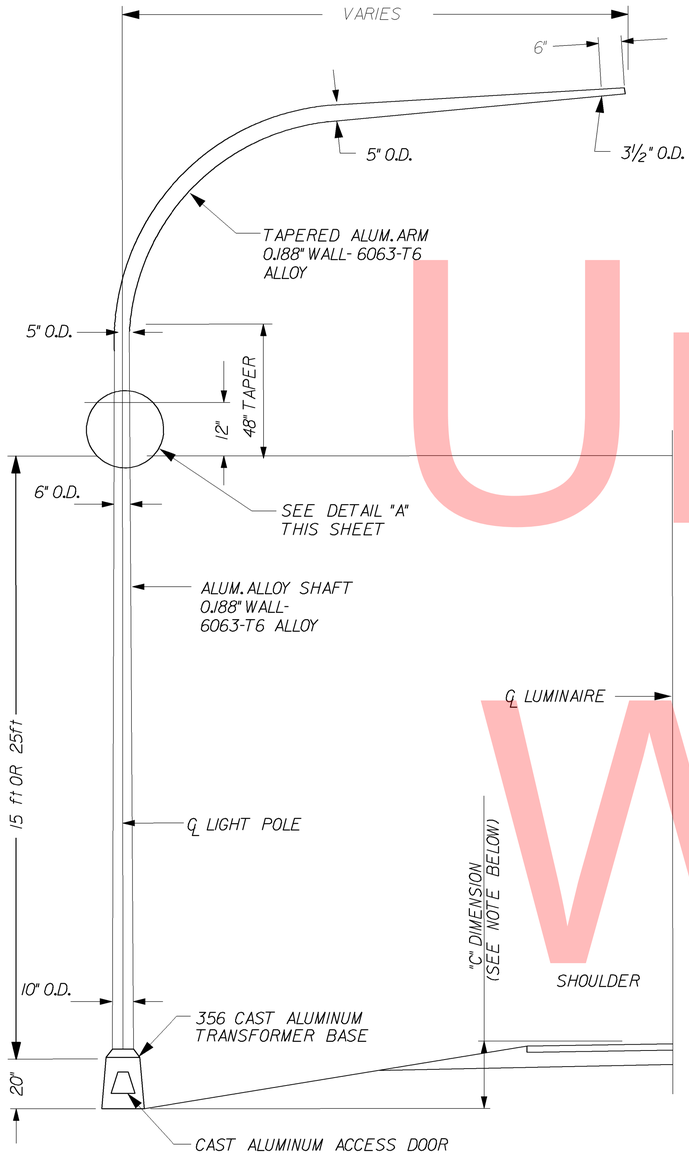
DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

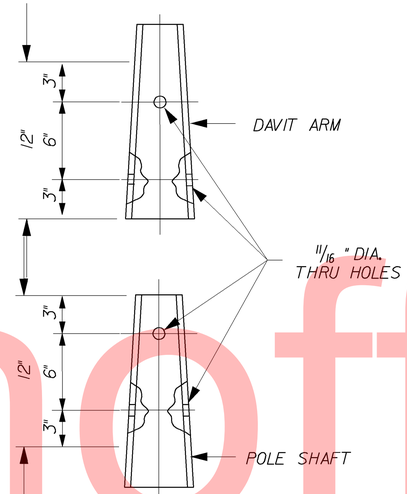
CONTRACT	BRIDGE NO.		LIGHTING PLAN	SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT		139
COUNTY				TOTAL SHTS.
KENT	CHECKED BY:			183



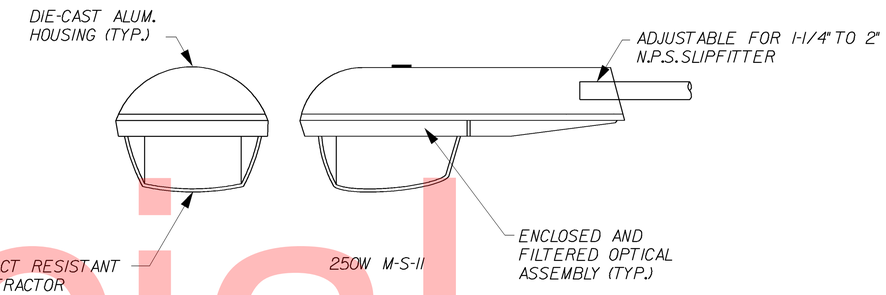
LIGHTING POLE DETAIL
NOT TO SCALE

NOTES:

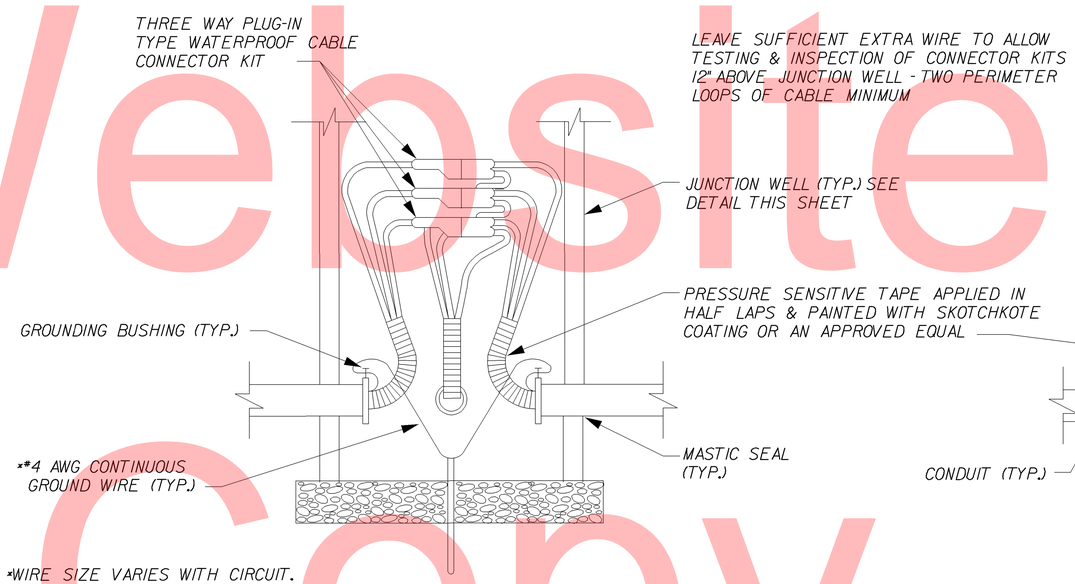
1. STATION AND OFFSET NOTED IN LIGHTING STANDARD SCHEDULE IS GIVEN TO THE CENTER OF THE POLE.
2. POLE BASE SHOULD BE OF BREAK AWAY TYPE.
3. PAYMENT FOR LIGHT POLE, FIXTURE AND ALL AMENITIES SHOWN ABOVE (EXCEPT POLE BASE, CONDUIT AND CABLES) SHALL BE MADE UNDER ITEM 746519 - ALUMINUM LIGHTING STANDARD WITH SINGLE DAVIT ARM, 40' OR 30' POLE.
4. GROUND WIRE TO BE BONDED TO CONDUIT BUSHING.



DETAIL "A"
NOT TO SCALE



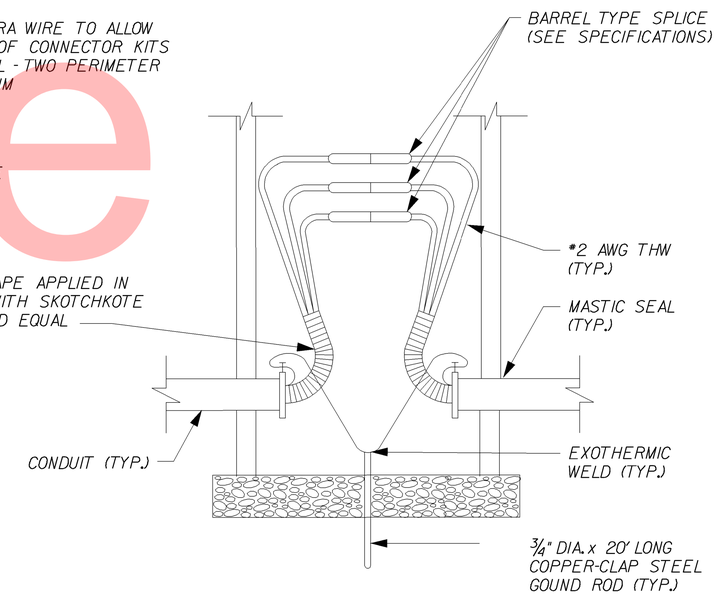
250 WATT HIGH PRESSURE SODIUM LUMINAIRES (CUTOFF WITH SAG LENS)
NOT TO SCALE



*WIRE SIZE VARIES WITH CIRCUIT.
SEE LIGHTING PLANS.

THREE WAY SPLICE
NOT TO SCALE

NOTE:
JUNCTION WELL CONNECTOR KITS SHALL BE ELASTIMOLD STYLES 20 AND 83/OR APPROVED EQUAL. CONNECTOR KITS ARE CONSIDERED INCIDENTAL TO THE LIGHTING ITEMS.



STRAIGHT THROUGH SPLICE
NOT TO SCALE

TYPICAL JUNCTION WELL SPLICES
NOT TO SCALE

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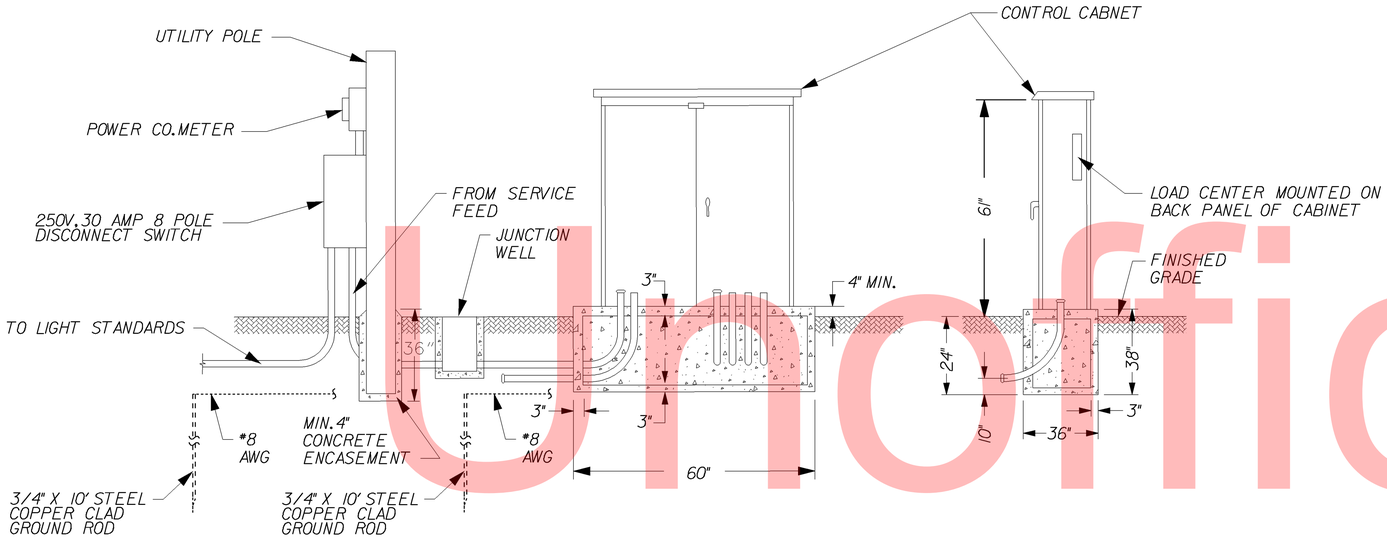
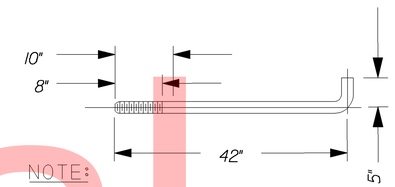
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201 / COUNTY KENT	PERMIT NO. / DESIGNED BY: / CHECKED BY:	LIGHTING DETAILS	SHEET NO. 140 / TOTAL SHTS. 183



PRIMARY SERVICE AND LOAD CENTER DETAIL

NOT TO SCALE



NOTE:

ANCHOR BOLTS SHALL BE SUPPLIED BY POLE MANUFACTURER AND DESIGNED FOR 40' ALUM. POLE WITH 15' ARM.BOLT LENGTH TO BE DETERMINED BY MANUFACTURER.

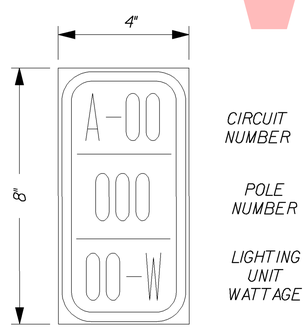
* INCIDENTAL TO THE LIGHTING ITEMS.

ANCHOR BOLT DETAILS

N. T. S.

NOTES:

1. PROVIDE A 250W.30A.8 POLE LIGHTING CONTACTOR TO CONTROLTHE LIGHTS.ONE CONTACTOR SHALL BE INSTALLED IN EACH OF THE CABINETS WITH THE PANEL AND CONTROLLED BY A PHOTOCELL MOUNTED ON TOP OF THE CABINET.THE CONTRACTOR SHALL PROVIDE AND INSTALL THE CONTACTOR AND PHOTOCELL AND MAKE ALL FINAL CONNECTIONS. ALL COSTS INCIDENTAL TO THE LIGHTING ITEMS.
2. LIGHTING SERVICE TO BE 120 V/240 V.THREE PHASE.2-POLE.
3. CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR CABLE AND SERVICE CONNECTION REQUIREMENTS PER ITEM 746516 - SERVICE INSTALLATION.



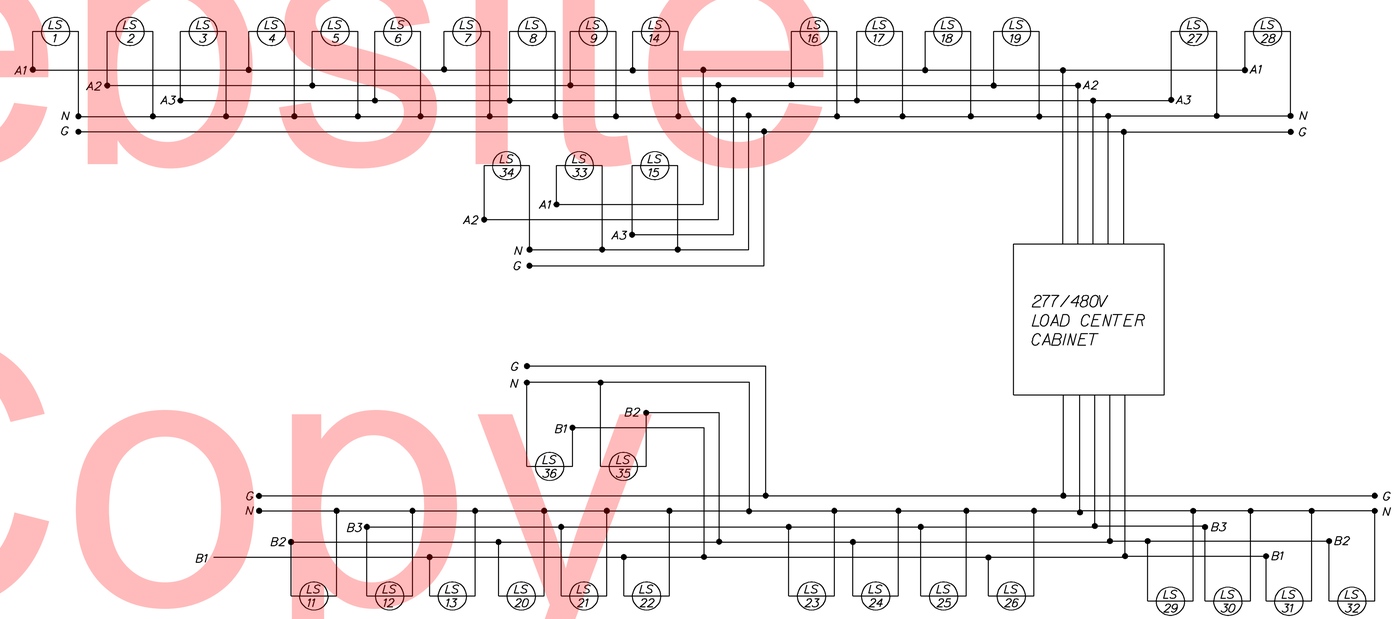
E/G YELLOW REFLECTIVE SHEETING BLACK LEGEND ADHERED TO .080 ALIMINUM REMOVEABLE PLATE

1 1/4" NUMBER.PLACE TAG TO FACE SHOULDER

* INCIDENTAL TO THE LIGHTING ITEMS.

DELDOT LIGHTING IDENTIFICATION TAG

NOT TO SCALE



WIRING SCHEMATIC DIAGRAM

NOT TO SCALE

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	PERMIT NO.	LIGHTING DETAILS	SHEET NO. 141
				COUNTY KENT	DESIGNED BY:		TOTAL SHTS. 183
					CHECKED BY:		

NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOTS SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK

2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND FACILITIES THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF FACILITY.

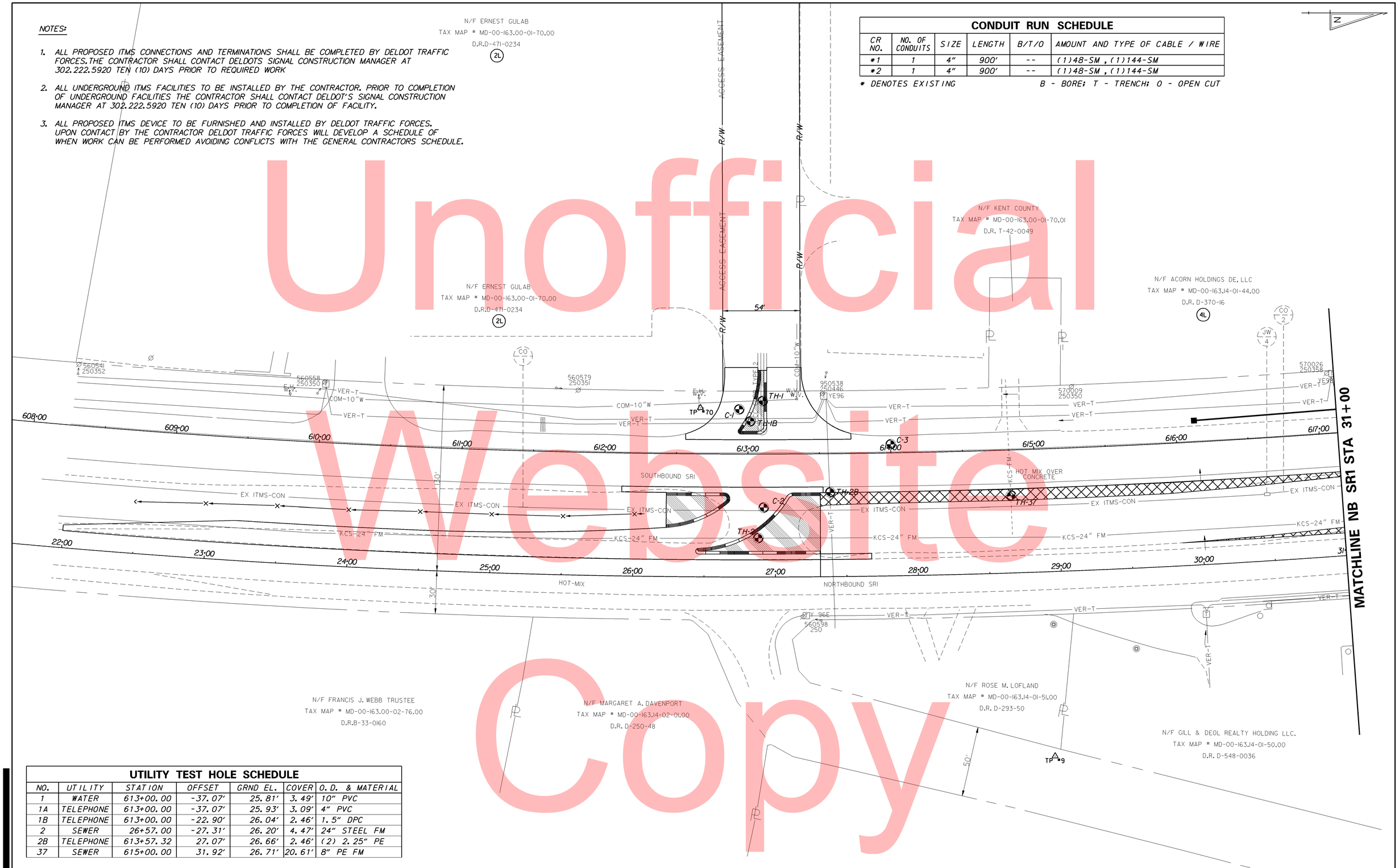
3. ALL PROPOSED ITMS DEVICE TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON CONTACT BY THE CONTRACTOR DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED AVOIDING CONFLICTS WITH THE GENERAL CONTRACTORS SCHEDULE.

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
*1	1	4"	900'	--	(1)48-SM, (1)144-SM
*2	1	4"	900'	--	(1)48-SM, (1)144-SM

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
1	WATER	613+00.00	-37.07'	25.81'	3.49'	10" PVC
1A	TELEPHONE	613+00.00	-37.07'	25.93'	3.09'	4" PVC
1B	TELEPHONE	613+00.00	-22.90'	26.04'	2.46'	1.5" DPC
2	SEWER	26+57.00	-27.31'	26.20'	4.47'	24" STEEL FM
2B	TELEPHONE	613+57.32	27.07'	26.66'	2.46'	(2) 2.25" PE
37	SEWER	615+00.00	31.92'	26.71'	20.61'	8" PE FM

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT T200412201 | COUNTY KENT | BRIDGE NO. | DESIGNED BY: MATTHEW VINCENT | CHECKED BY:

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 142 | TOTAL SHTS. 183

NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOTS SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK

2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND FACILITIES THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF FACILITY.

3. ALL PROPOSED ITMS DEVICE TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON CONTACT BY THE CONTRACTOR DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED AVOIDING CONFLICTS WITH THE GENERAL CONTRACTORS SCHEDULE.

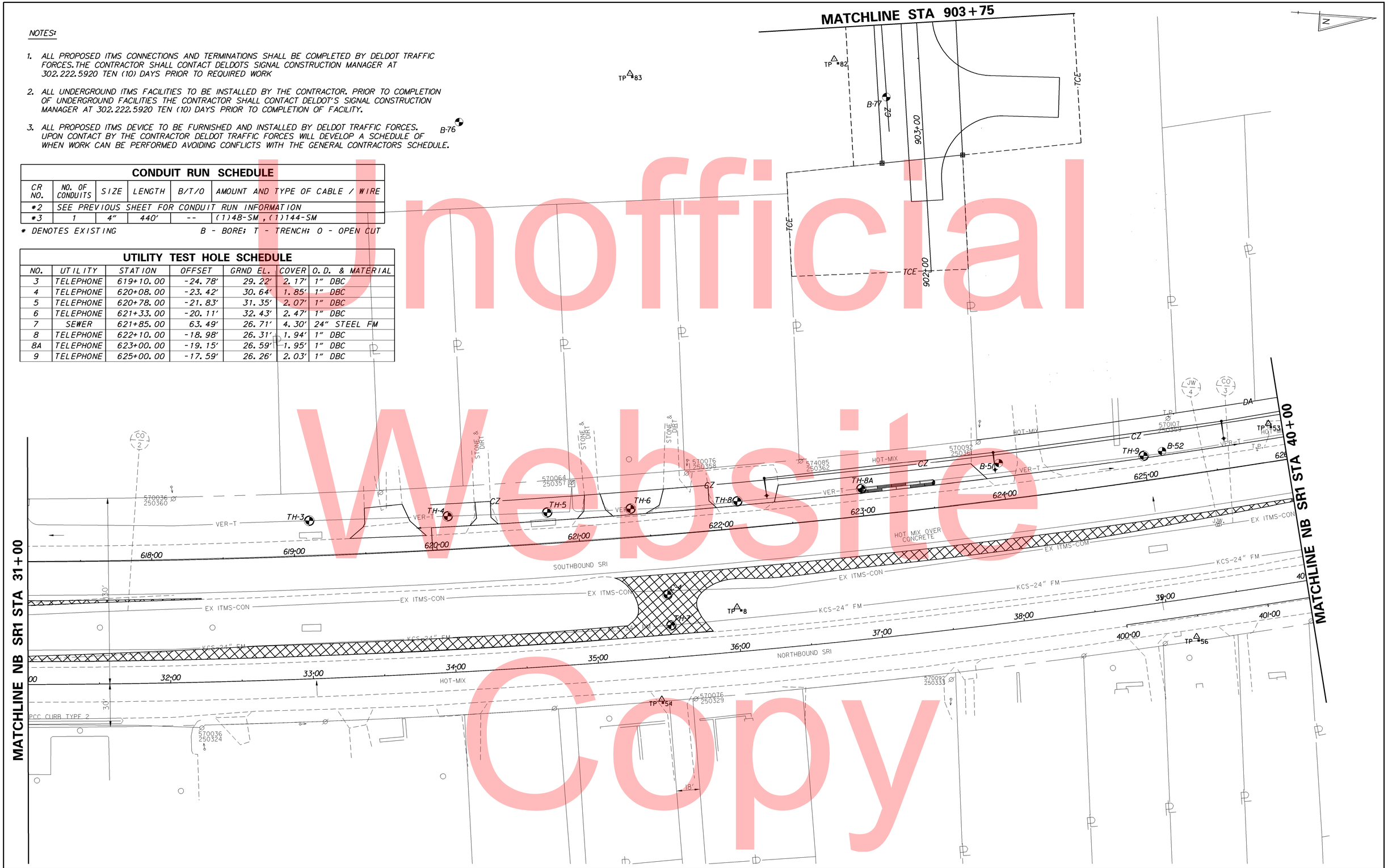
CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
*2	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
*3	1	4"	440'	--	(1)48-SM ,(1)144-SM

* DENOTES EXISTING B - BORE; T - TRENCH; O - OPEN CUT

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
3	TELEPHONE	619+10.00	-24.78'	29.22'	2.17'	1" DBC
4	TELEPHONE	620+08.00	-23.42'	30.64'	1.85'	1" DBC
5	TELEPHONE	620+78.00	-21.83'	31.35'	2.07'	1" DBC
6	TELEPHONE	621+33.00	-20.11'	32.43'	2.47'	1" DBC
7	SEWER	621+85.00	63.49'	26.71'	4.30'	24" STEEL FM
8	TELEPHONE	622+10.00	-18.98'	26.31'	1.94'	1" DBC
8A	TELEPHONE	623+00.00	-19.15'	26.59'	1.95'	1" DBC
9	TELEPHONE	625+00.00	-17.59'	26.26'	2.03'	1" DBC



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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO.	ITMS CONDUIT & UTILITY RELOCATION PLAN	SHEET NO. 143
				COUNTY KENT	DESIGNED BY: MATTHEW VINCENT		TOTAL SHTS. 183
					CHECKED BY:		

UTILITY TEST HOLE SCHEDULE

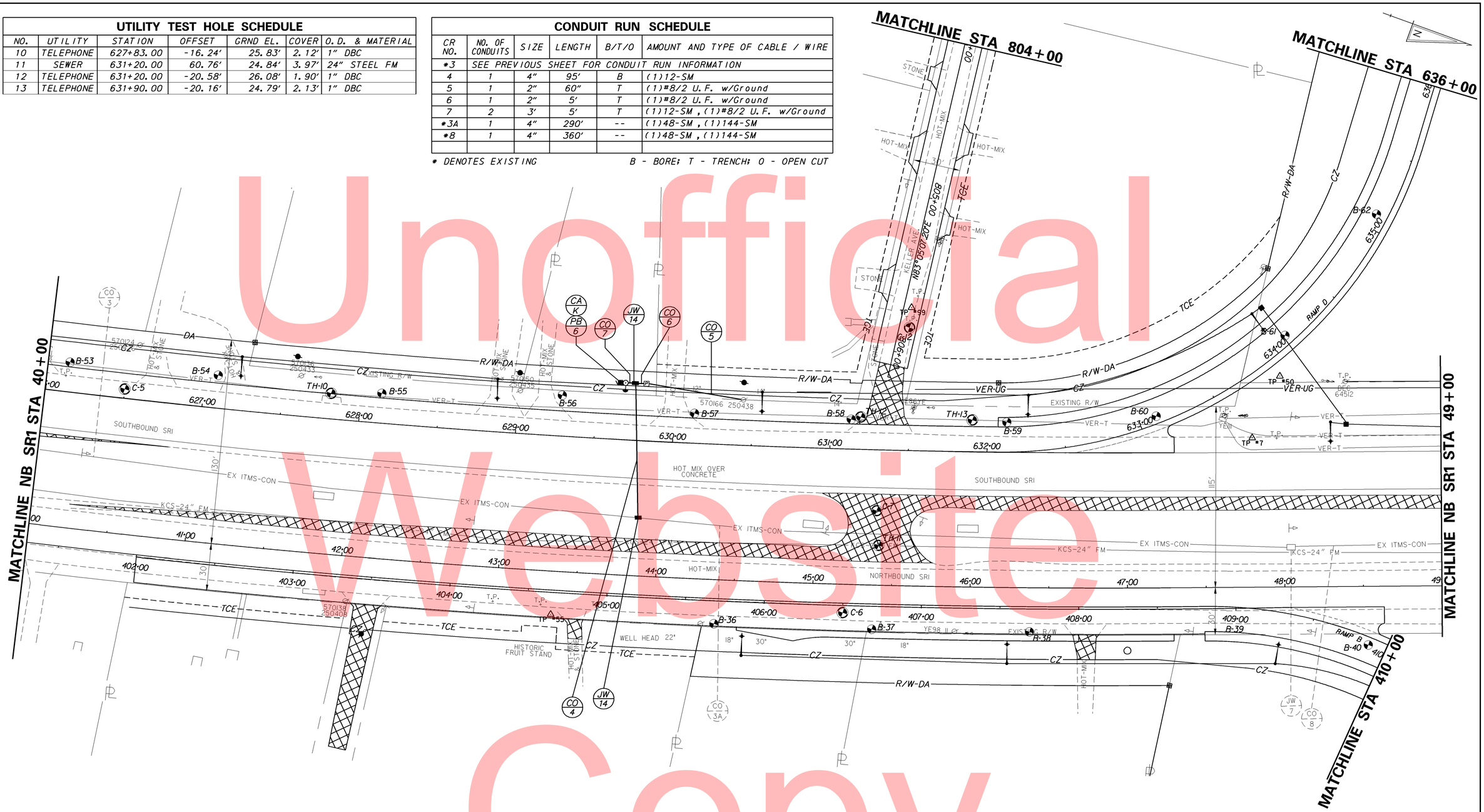
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
10	TELEPHONE	627+83.00	-16.24'	25.83'	2.12'	1" DBC
11	SEWER	631+20.00	60.76'	24.84'	3.97'	24" STEEL FM
12	TELEPHONE	631+20.00	-20.58'	26.08'	1.90'	1" DBC
13	TELEPHONE	631+90.00	-20.16'	24.79'	2.13'	1" DBC

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
*3	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
4	1	4"	95'	B	(1)12-SM
5	1	2"	60"	T	(1)#8/2 U.F. w/Ground
6	1	2"	5'	T	(1)#8/2 U.F. w/Ground
7	2	3'	5'	T	(1)12-SM ,(1)#8/2 U.F. w/Ground
*3A	1	4"	290'	--	(1)48-SM ,(1)144-SM
*8	1	4"	360'	--	(1)48-SM ,(1)144-SM

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT



NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOTS SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK

2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND FACILITIES THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF FACILITY.

3. ALL PROPOSED ITMS DEVICE TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON CONTACT BY THE CONTRACTOR DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED AVOIDING CONFLICTS WITH THE GENERAL CONTRACTORS SCHEDULE.

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO.	ITMS CONDUIT & UTILITY RELOCATION PLAN	SHEET NO. 144
				COUNTY KENT	DESIGNED BY: MATTHEW VINCENT		TOTAL SHTS. 183
					CHECKED BY:		

CONDUIT RUN SCHEDULE

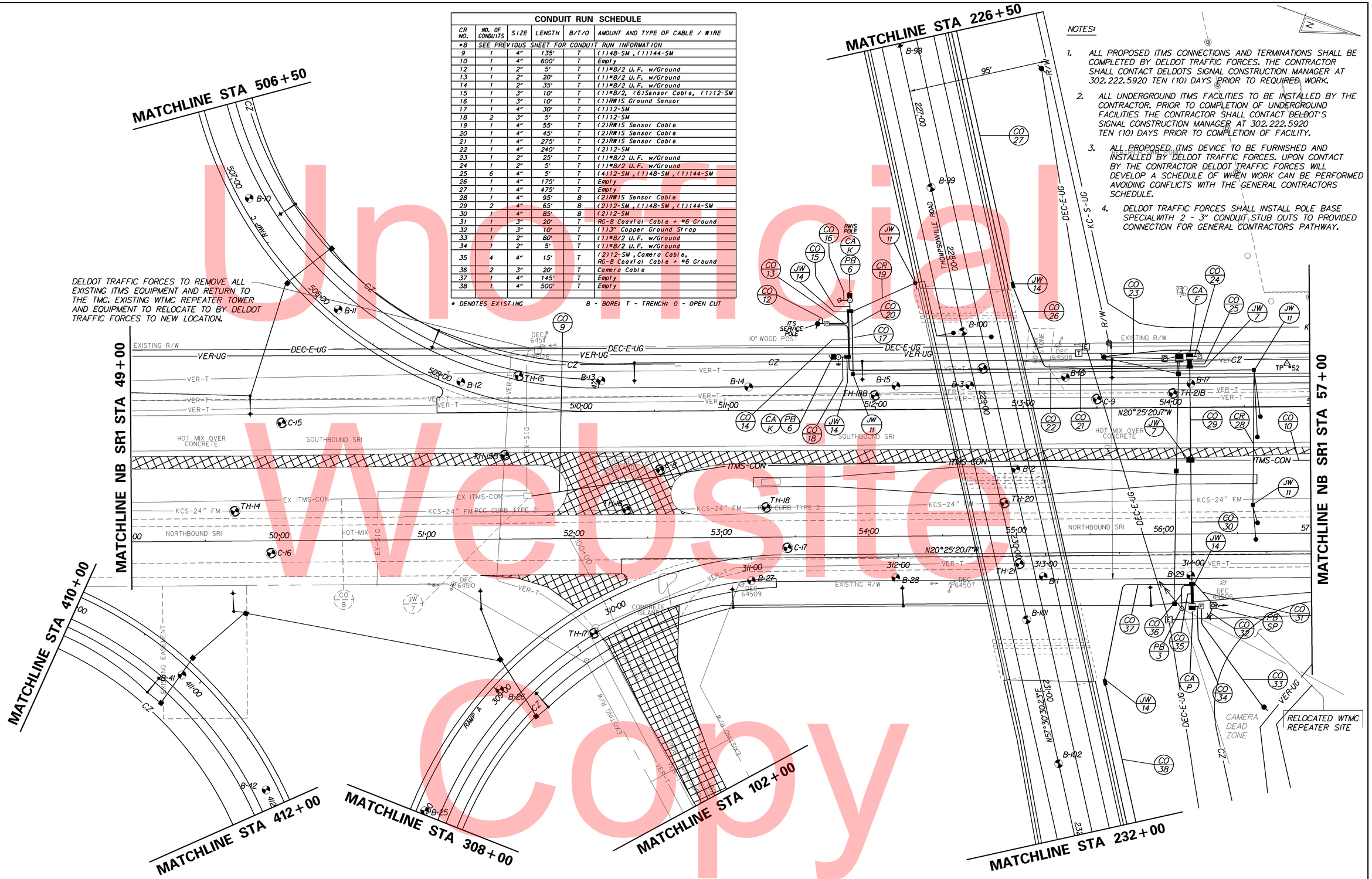
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
*8	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
9	1	4"	135'	T	(1)48-SM, (1)144-SM
10	1	4"	600'	T	Empty
12	1	2"	5'	T	(1)#8/2 U.F. w/Ground
13	1	2"	20'	T	(1)#8/2 U.F. w/Ground
14	1	2"	35'	T	(1)#8/2 U.F. w/Ground
15	1	3"	10'	T	(1)#8/2, (6)Sensor Cable, (1)12-SM
16	1	3"	10'	T	(1)RWIS Ground Sensor
17	1	4"	30'	T	(1)12-SM
18	2	3"	5'	T	(1)12-SM
19	1	4"	55'	T	(2)RWIS Sensor Cable
20	1	4"	45'	T	(2)RWIS Sensor Cable
21	1	4"	275'	T	(2)RWIS Sensor Cable
22	1	4"	240'	T	(2)12-SM
23	1	2"	25'	T	(1)#8/2 U.F. w/Ground
24	1	2"	5'	T	(1)#8/2 U.F. w/Ground
25	6	4"	5'	T	(4)12-SM, (1)48-SM, (1)144-SM
26	1	4"	175'	T	Empty
27	1	4"	475'	T	Empty
28	1	4"	95'	B	(2)RWIS Sensor Cable
29	2	4"	65'	B	(2)12-SM, (1)48-SM, (1)144-SM
30	1	4"	85'	B	(2)12-SM
31	1	3"	20'	T	RG-8 Coaxial Cable + #6 Ground
32	1	3"	10'	T	(1)3" Copper Ground Strap
33	1	2"	80'	T	(1)#8/2 U.F. w/Ground
34	1	2"	5'	T	(1)#8/2 U.F. w/Ground
35	4	4"	15'	T	(2)12-SM, Camera Cable, RG-8 Coaxial Cable + #6 Ground
36	2	3"	20'	T	Camera Cable
37	1	4"	145'	T	Empty
38	1	4"	500'	T	Empty

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT

NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOTS SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK.
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND FACILITIES THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF FACILITY.
3. ALL PROPOSED ITMS DEVICE TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON CONTACT BY THE CONTRACTOR DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED AVOIDING CONFLICTS WITH THE GENERAL CONTRACTORS SCHEDULE.
4. DELDOT TRAFFIC FORCES SHALL INSTALL POLE BASE SPECIALWITH 2 - 3" CONDUIT STUB OUTS TO PROVIDED CONNECTION FOR GENERAL CONTRACTORS PATHWAY.



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY		
KENT	CHECKED BY:	

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 145

TOTAL SHTS. 183

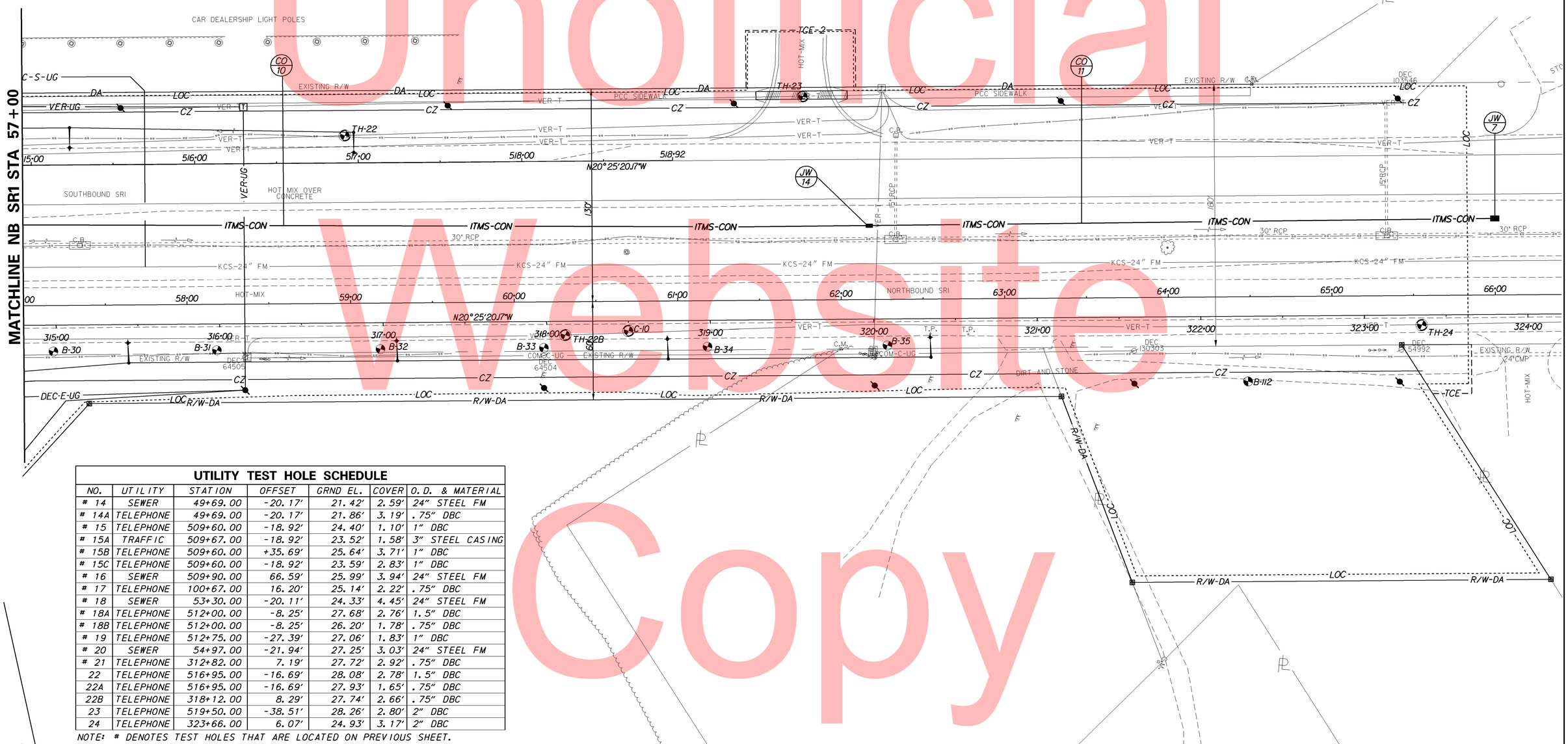
NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOTS SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO REQUIRED WORK
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND FACILITIES THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302.222.5920 TEN (10) DAYS PRIOR TO COMPLETION OF FACILITY.
3. ALL PROPOSED ITMS DEVICE TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON CONTACT BY THE CONTRACTOR DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED AVOIDING CONFLICTS WITH THE GENERAL CONTRACTORS SCHEDULE.

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
10	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
11	1	4"	385'	T	Empty

* DENOTES EXISTING B - BORE; T - TRENCH; O - OPEN CUT



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
# 14	SEWER	49+69.00	-20.17'	21.42'	2.59'	24" STEEL FM
# 14A	TELEPHONE	49+69.00	-20.17'	21.86'	3.19'	.75" DBC
# 15	TELEPHONE	509+60.00	-18.92'	24.40'	1.10'	1" DBC
# 15A	TRAFFIC	509+67.00	-18.92'	23.52'	1.58'	3" STEEL CASING
# 15B	TELEPHONE	509+60.00	+35.69'	25.64'	3.71'	1" DBC
# 15C	TELEPHONE	509+60.00	-18.92'	23.59'	2.83'	1" DBC
# 16	SEWER	509+90.00	66.59'	25.99'	3.94'	24" STEEL FM
# 17	TELEPHONE	100+67.00	16.20'	25.14'	2.22'	.75" DBC
# 18	SEWER	53+30.00	-20.11'	24.33'	4.45'	24" STEEL FM
# 18A	TELEPHONE	512+00.00	-8.25'	27.68'	2.76'	1.5" DBC
# 18B	TELEPHONE	512+00.00	-8.25'	26.20'	1.78'	.75" DBC
# 19	TELEPHONE	512+75.00	-27.39'	27.06'	1.83'	1" DBC
# 20	SEWER	54+97.00	-21.94'	27.25'	3.03'	24" STEEL FM
# 21	TELEPHONE	312+82.00	7.19'	27.72'	2.92'	.75" DBC
22	TELEPHONE	516+95.00	-16.69'	28.08'	2.78'	1.5" DBC
22A	TELEPHONE	516+95.00	-16.69'	27.93'	1.65'	.75" DBC
22B	TELEPHONE	318+12.00	8.29'	27.74'	2.66'	.75" DBC
23	TELEPHONE	519+50.00	-38.51'	28.26'	2.80'	2" DBC
24	TELEPHONE	323+66.00	6.07'	24.93'	3.17'	2" DBC

NOTE: # DENOTES TEST HOLES THAT ARE LOCATED ON PREVIOUS SHEET.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

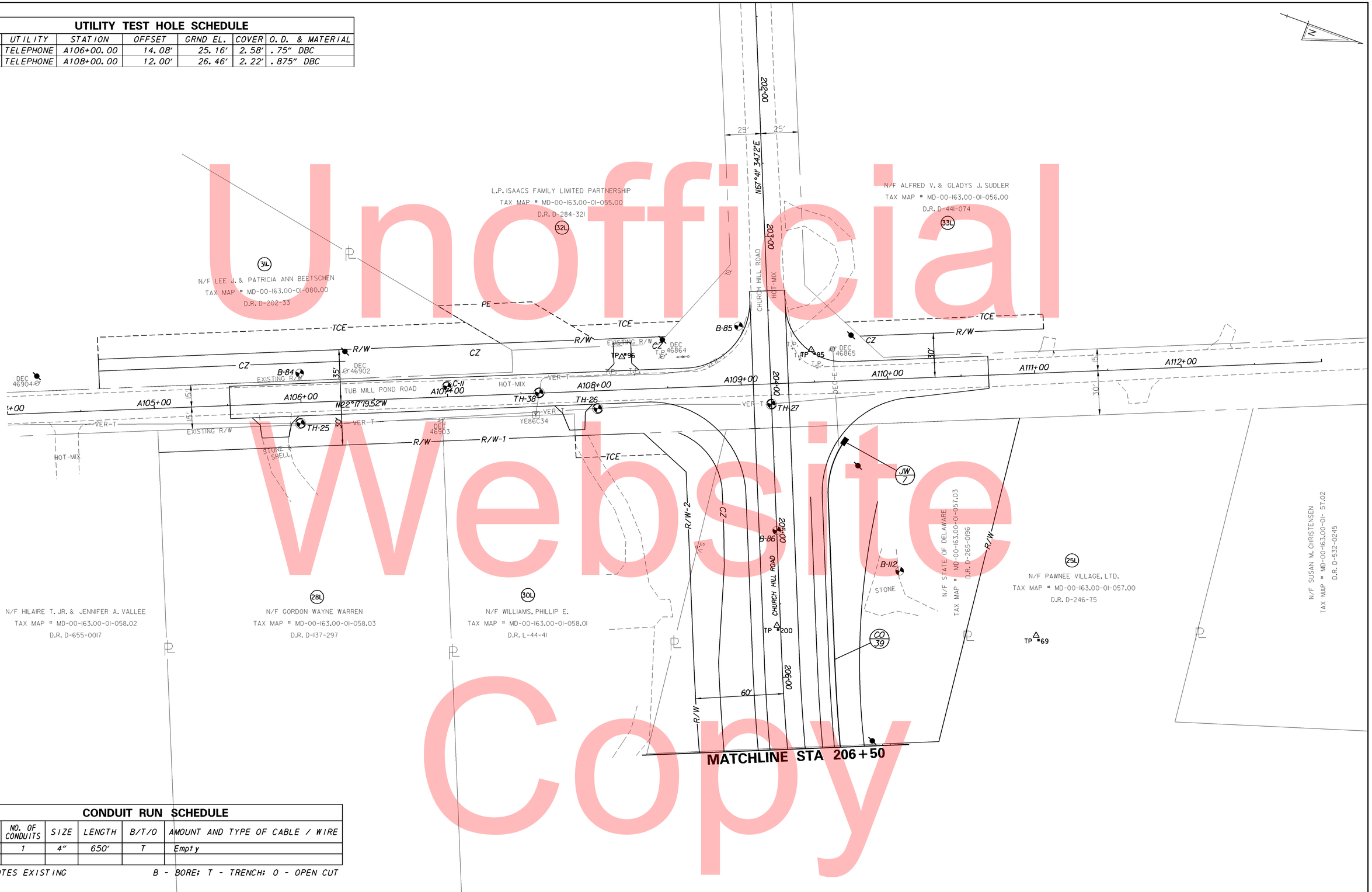
SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.		SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT	146
COUNTY			TOTAL SHTS.
KENT	CHECKED BY:		183

ITMS CONDUIT & UTILITY RELOCATION PLAN

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
25	TELEPHONE	A106+00.00	14.08'	25.16'	2.58'	.75" DBC
26	TELEPHONE	A108+00.00	12.00'	26.46'	2.22'	.875" DBC



CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
39	1	4"	650'	T	Empty

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

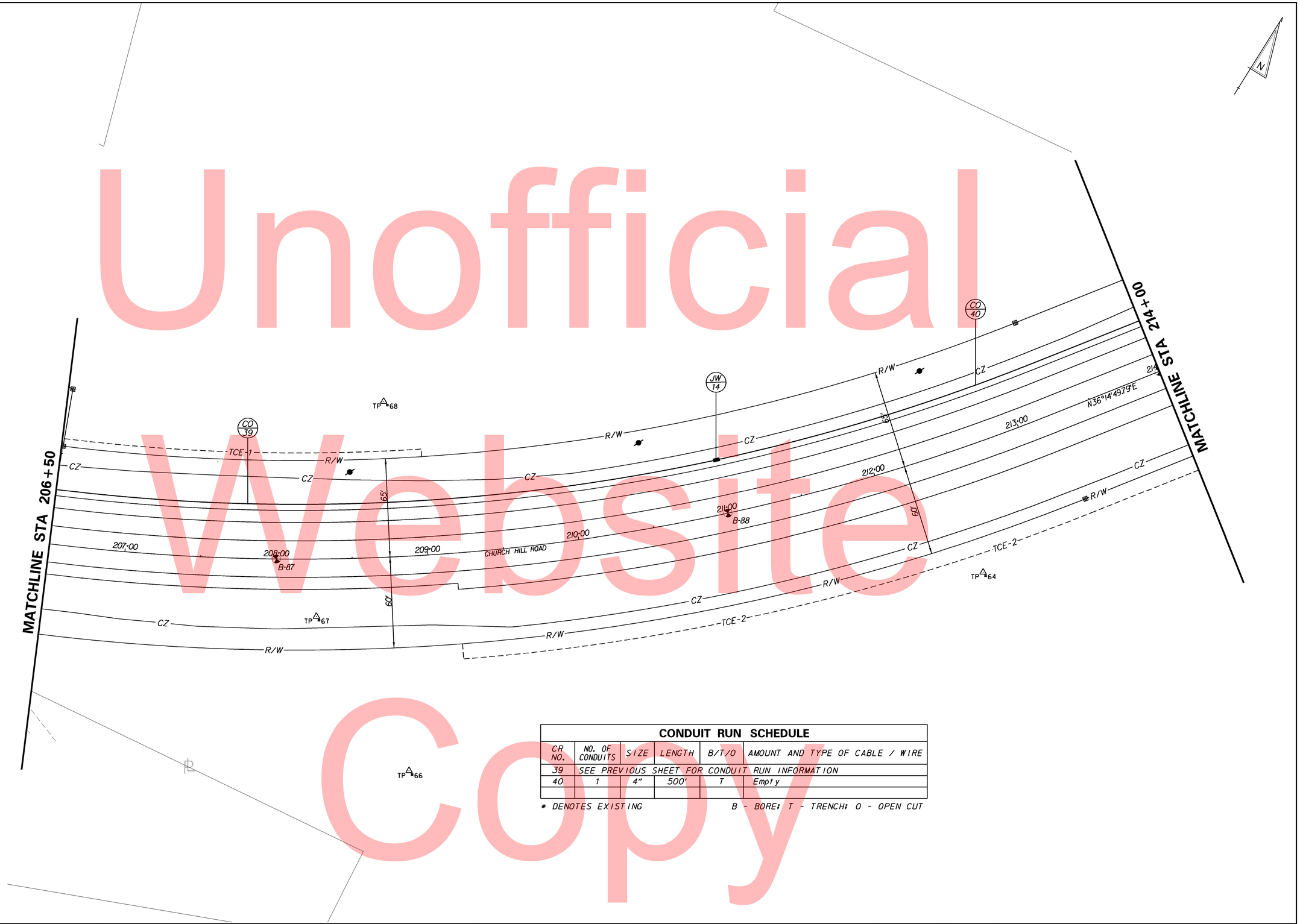
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO.
147
TOTAL SHTS.
183

Unofficial Website Copy



CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
39	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
40	1	4"	500'	T	Empty

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT T200412201

COUNTY KENT

BRIDGE NO.

DESIGNED BY: MATTHEW VINCENT

CHECKED BY:

ITMS CONDUIT & UTILITY RELOCATION PLAN

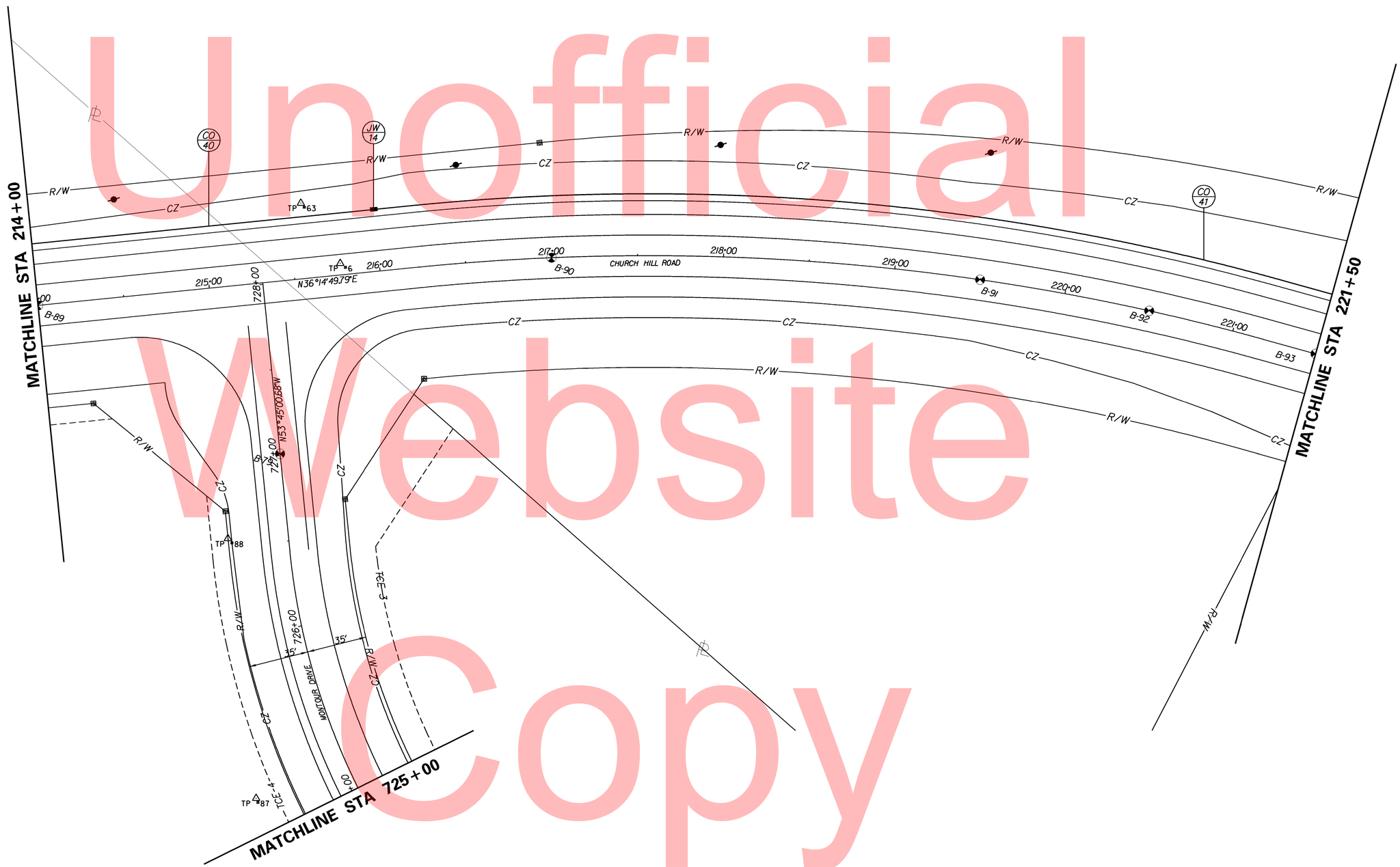
SHEET NO. 148

TOTAL SHTS. 183

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
40	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
41	1	4"	600'	T	Empty

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT



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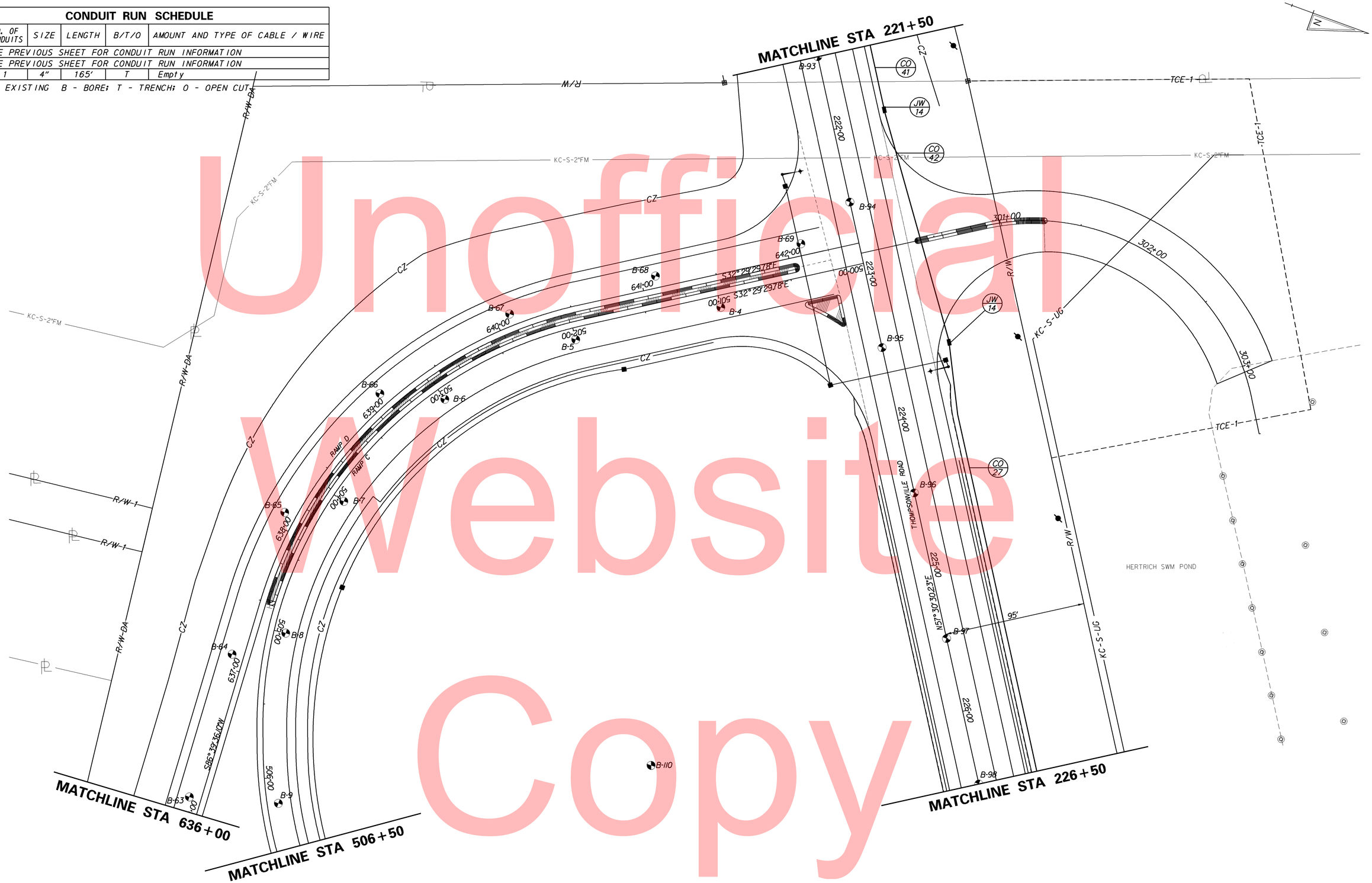
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO.	ITMS CONDUIT & UTILITY RELOCATION PLAN	SHEET NO. 149
				COUNTY KENT	DESIGNED BY: MATTHEW VINCENT		TOTAL SHTS. 183
					CHECKED BY:		

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
27	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
41	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
42	1	4"	165'	T	Empty

* DENOTES EXISTING B - BORE; T - TRENCH; O - OPEN CUT



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

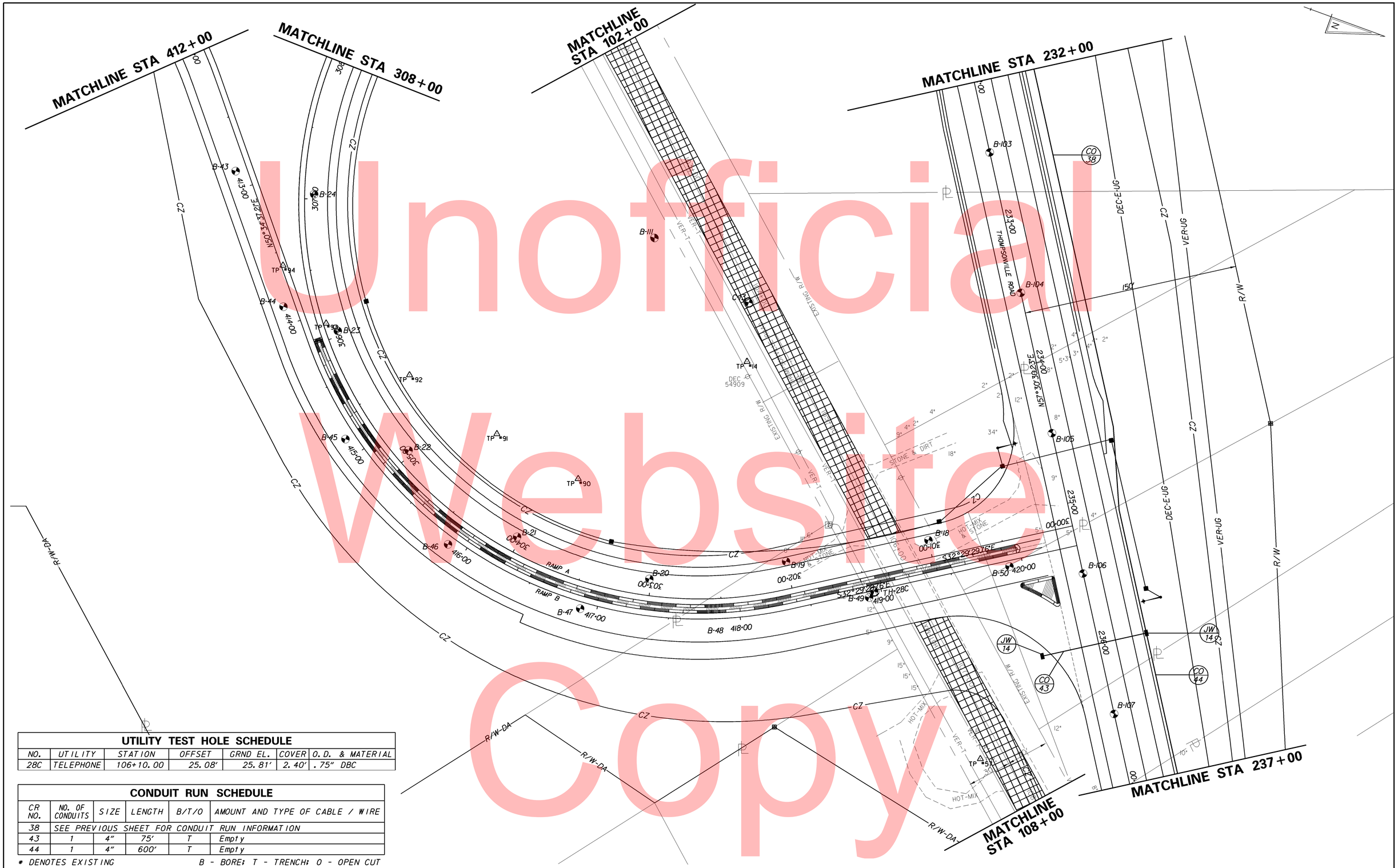
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 150

TOTAL SHTS. 183



UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
28C	TELEPHONE	106+10.00	25.08'	25.81'	2.40'	.75" DBC

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
38	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
43	1	4"	75'	T	Empty
44	1	4"	600'	T	Empty

* DENOTES EXISTING B - BORE; T - TRENCH; O - OPEN CUT

Unofficial Website Copy

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

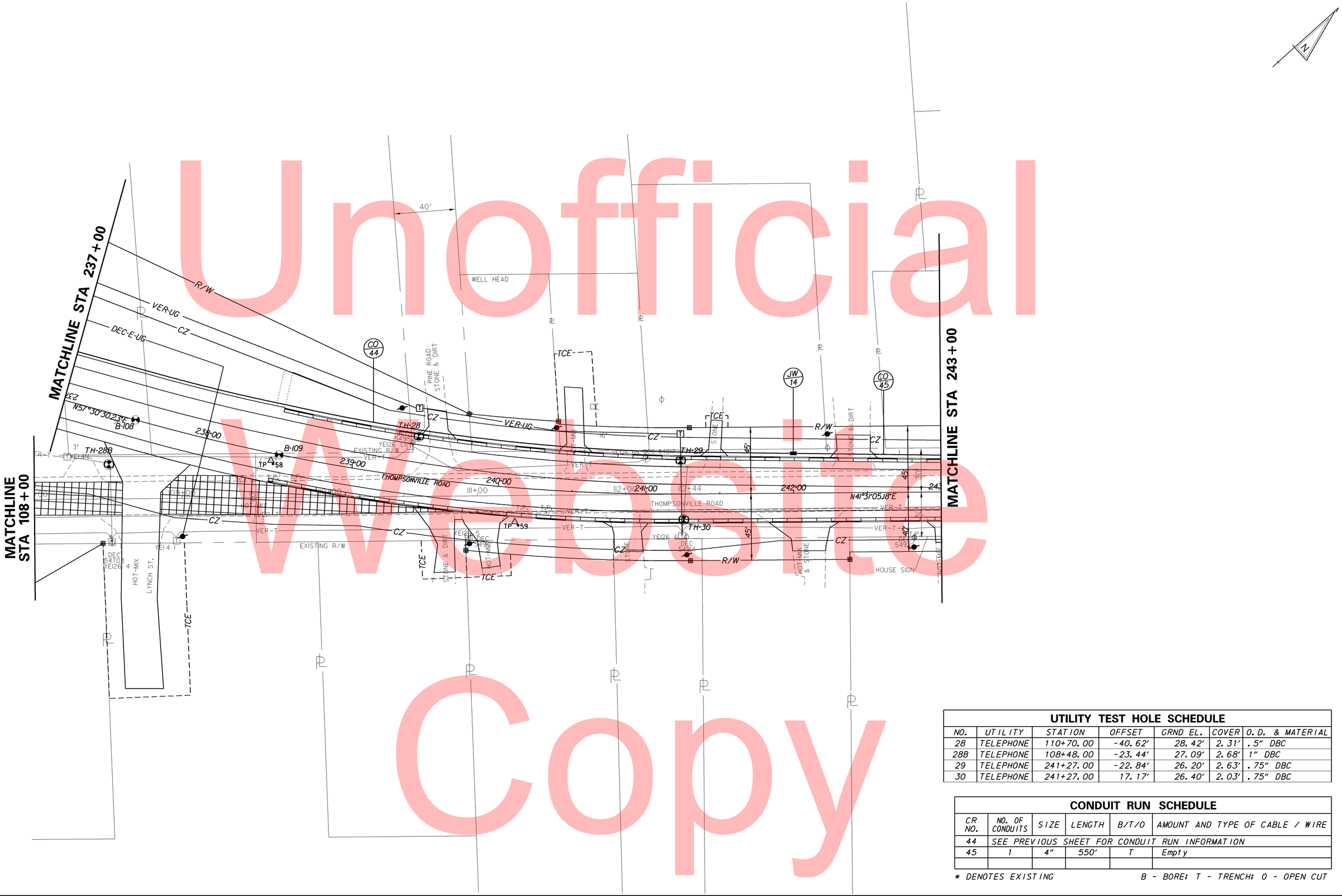
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 151

TOTAL SHTS. 183



Unofficial Website Copy

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
28	TELEPHONE	110+70.00	-40.62'	28.42'	2.31'	.5" DBC
28B	TELEPHONE	108+48.00	-23.44'	27.09'	2.68'	1" DBC
29	TELEPHONE	241+27.00	-22.84'	26.20'	2.63'	.75" DBC
30	TELEPHONE	241+27.00	17.17'	26.40'	2.03'	.75" DBC

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
44	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				
45	1	4"	550'	T	Empty

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

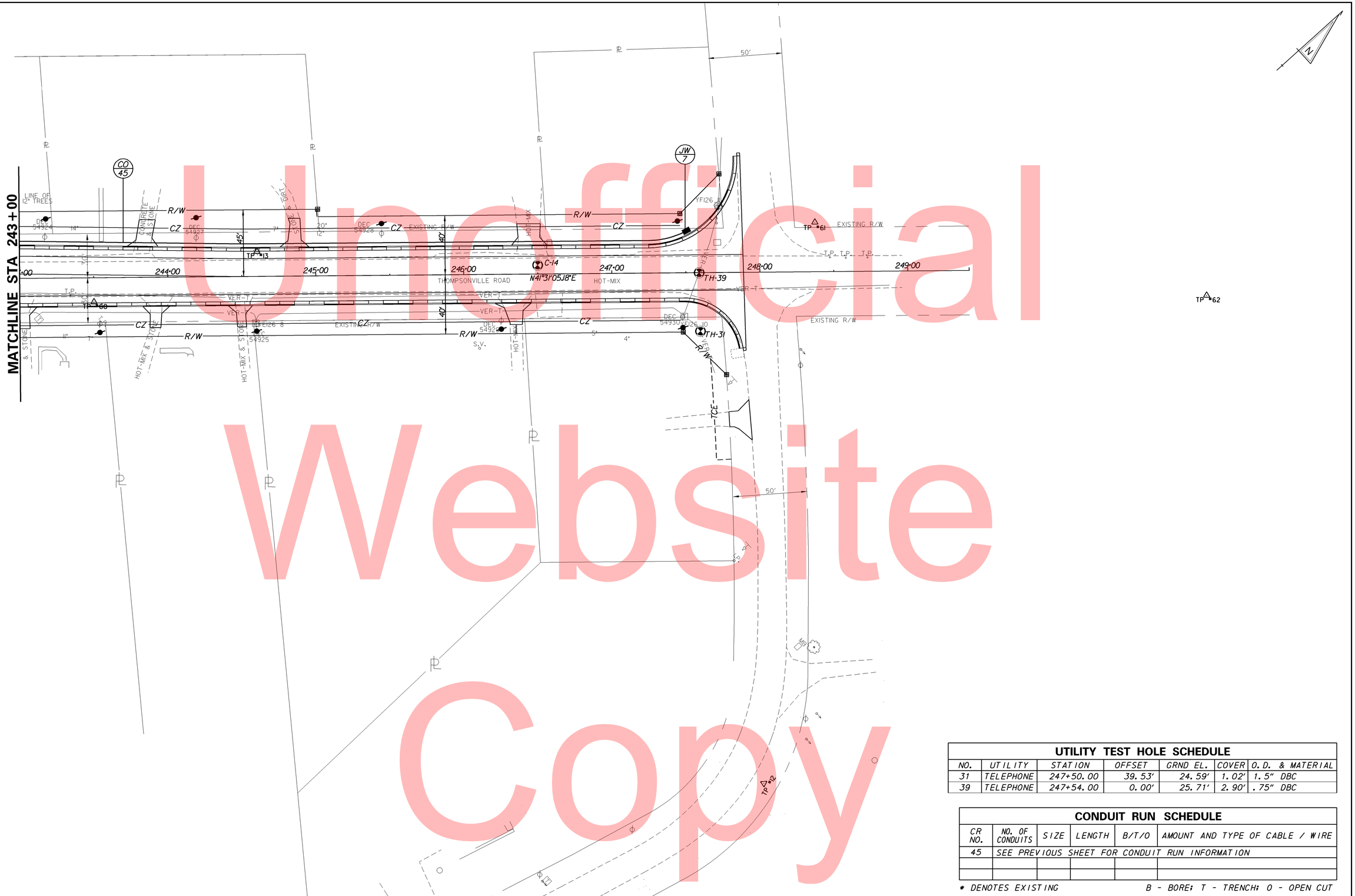
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 152

TOTAL SHTS. 183



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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
31	TELEPHONE	247+50.00	39.53'	24.59'	1.02'	1.5" DBC
39	TELEPHONE	247+54.00	0.00'	25.71'	2.90'	.75" DBC

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
45	SEE PREVIOUS SHEET FOR CONDUIT RUN INFORMATION				

* DENOTES EXISTING

B - BORE; T - TRENCH; O - OPEN CUT

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

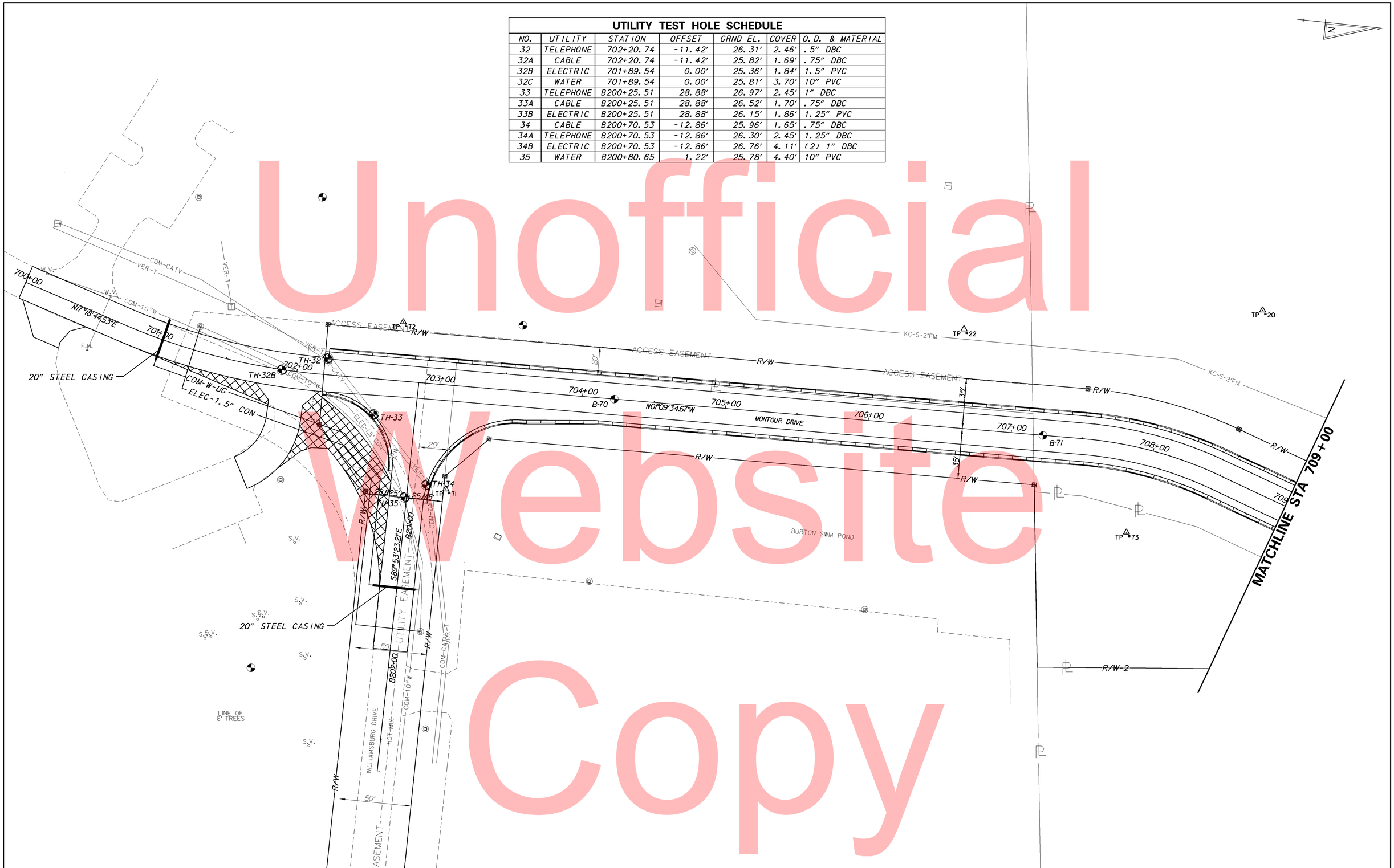
ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 153

TOTAL SHTS. 183

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
32	TELEPHONE	702+20.74	-11.42'	26.31'	2.46'	.5" DBC
32A	CABLE	702+20.74	-11.42'	25.82'	1.69'	.75" DBC
32B	ELECTRIC	701+89.54	0.00'	25.36'	1.84'	1.5" PVC
32C	WATER	701+89.54	0.00'	25.81'	3.70'	10" PVC
33	TELEPHONE	B200+25.51	28.88'	26.97'	2.45'	1" DBC
33A	CABLE	B200+25.51	28.88'	26.52'	1.70'	.75" DBC
33B	ELECTRIC	B200+25.51	28.88'	26.15'	1.86'	1.25" PVC
34	CABLE	B200+70.53	-12.86'	25.96'	1.65'	.75" DBC
34A	TELEPHONE	B200+70.53	-12.86'	26.30'	2.45'	1.25" DBC
34B	ELECTRIC	B200+70.53	-12.86'	26.76'	4.11'	(2) 1" DBC
35	WATER	B200+80.65	1.22'	25.78'	4.40'	10" PVC



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

4 15-L, 25-L: REVISED EXISTING PROPERTY LINE, PROPOSED RW, AND TCE MJV 9/30/11

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

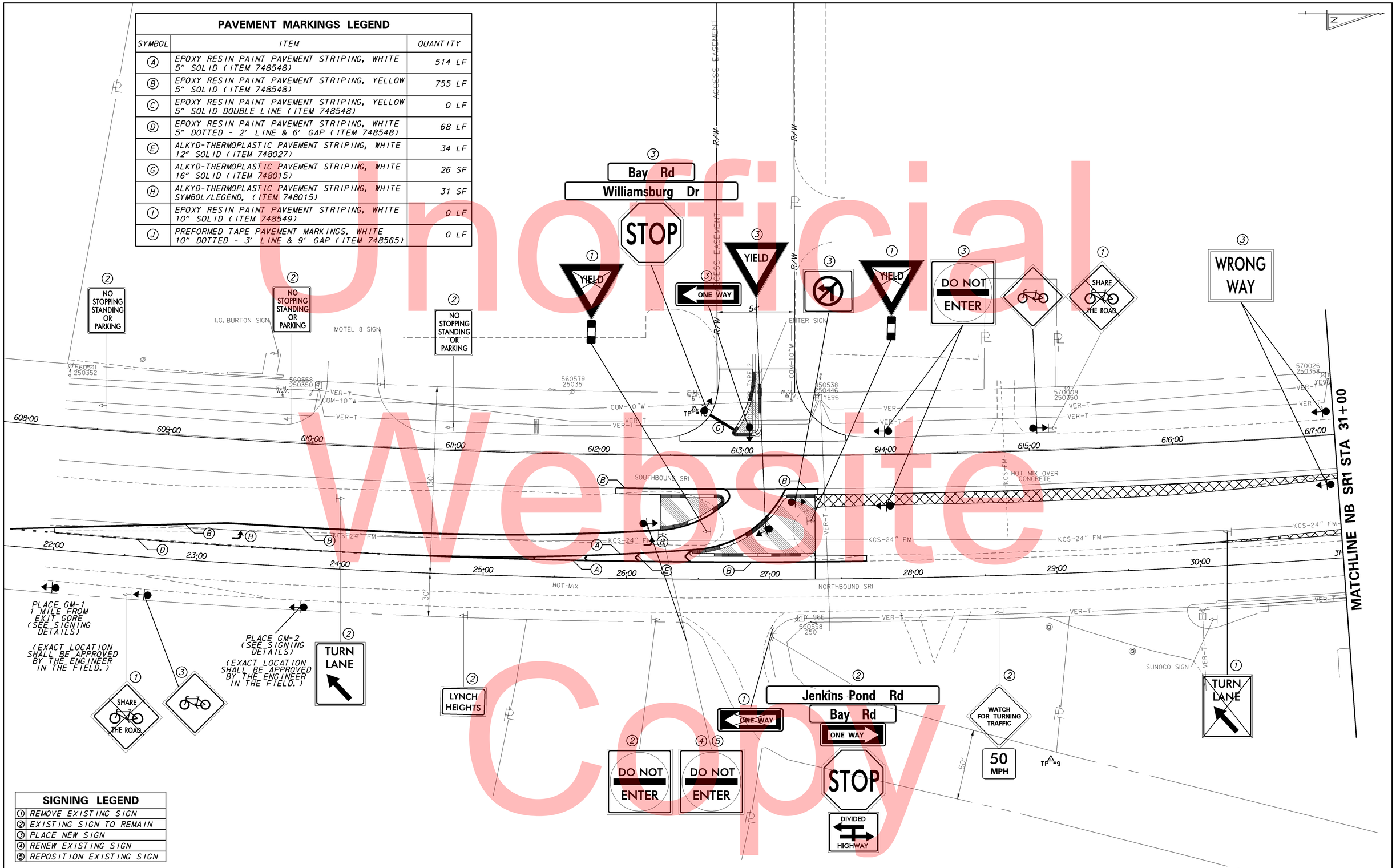
ITMS CONDUIT & UTILITY RELOCATION PLAN

SHEET NO. 155

TOTAL SHTS. 183

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	514 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	755 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	68 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	34 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	26 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	31 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF



SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

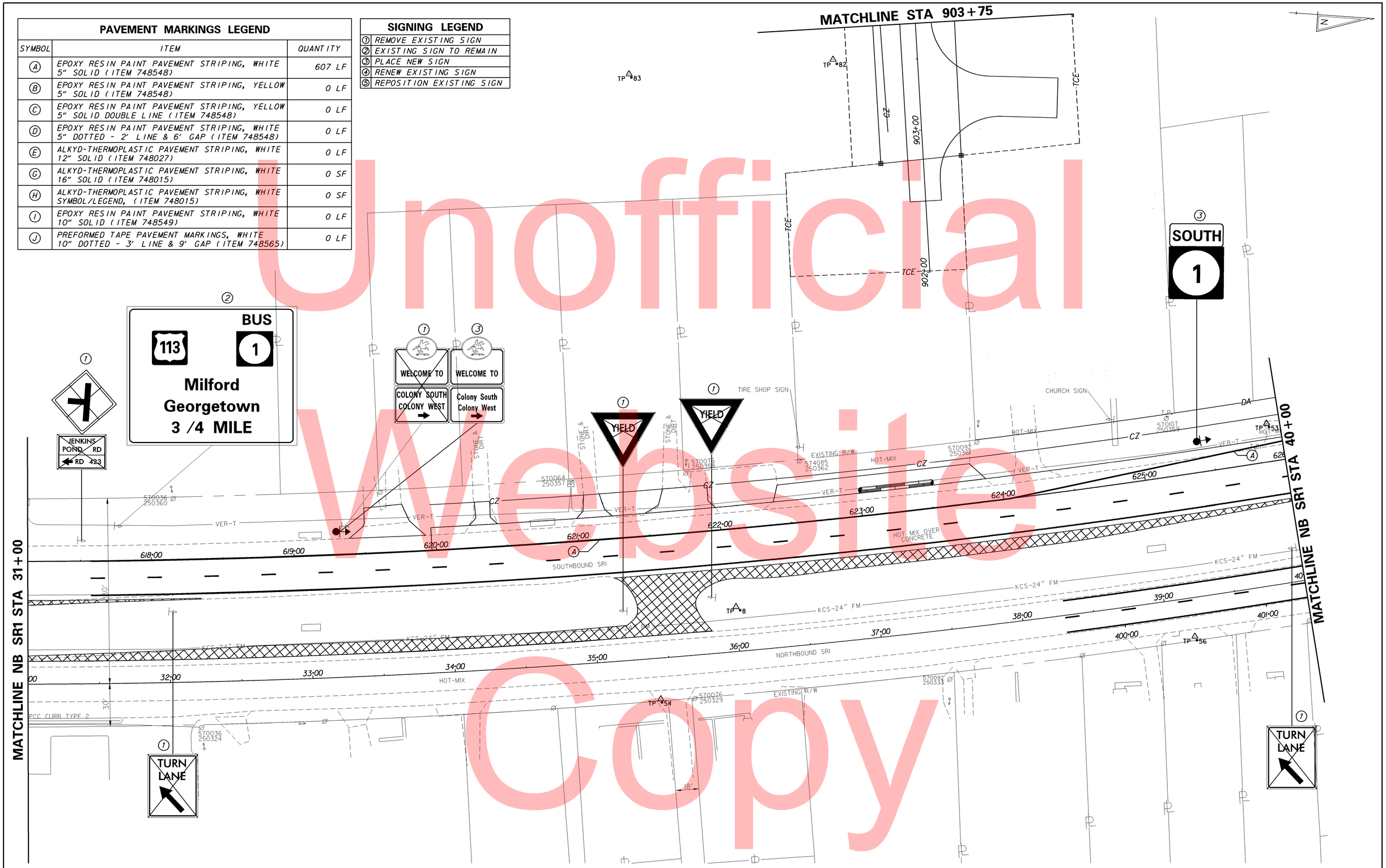
CONTRACT	BRIDGE NO.		SIGNING & STRIPING PLAN	SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT		155
COUNTY				TOTAL SHTS.
KENT	CHECKED BY:			183

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	607 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN



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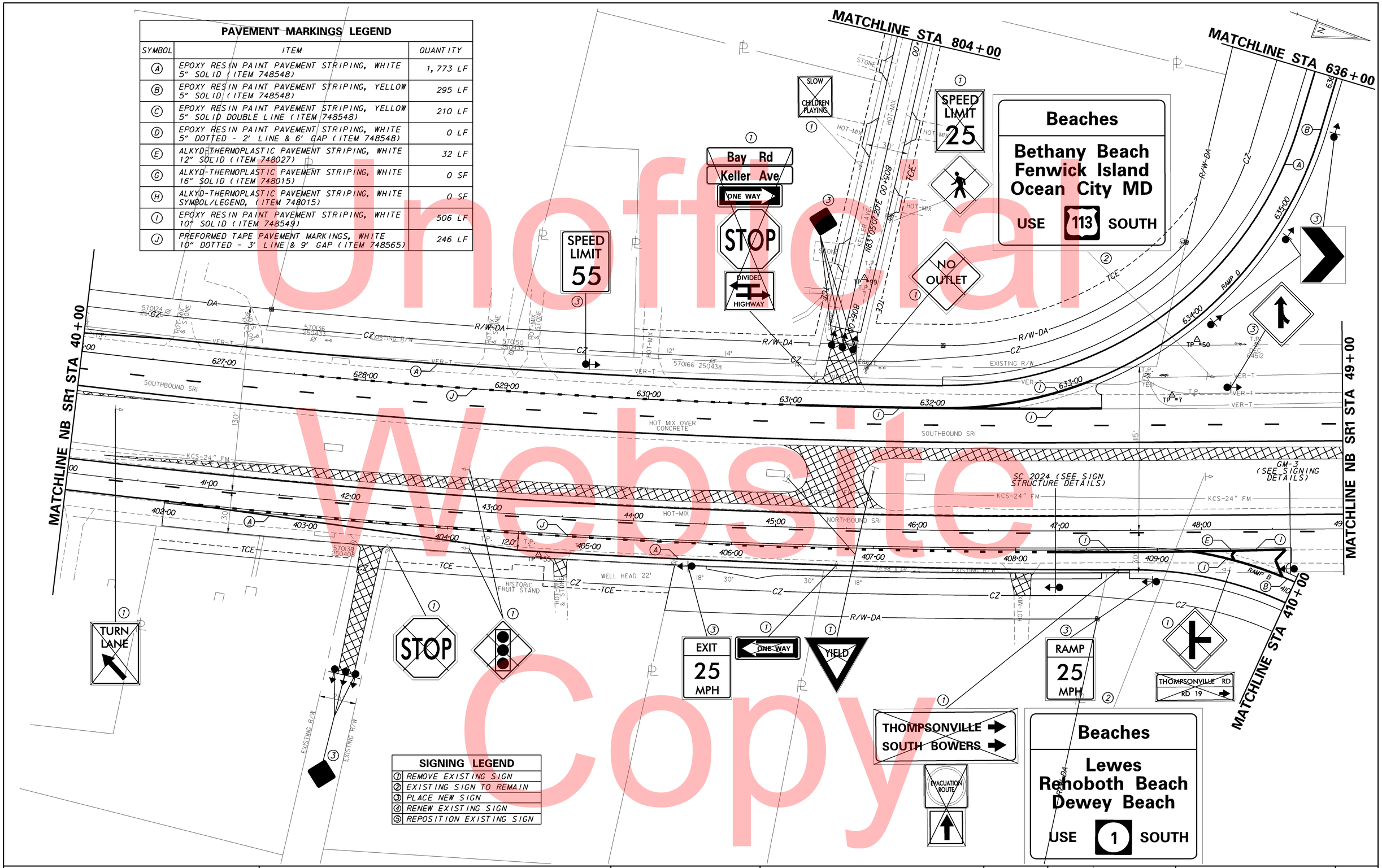
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO.	SIGNING & STRIPING PLAN	SHEET NO. 156
				COUNTY KENT	DESIGNED BY: MATTHEW VINCENT		TOTAL SHTS. 183
					CHECKED BY:		

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,773 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	295 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	210 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	32 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	506 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	246 LF



SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

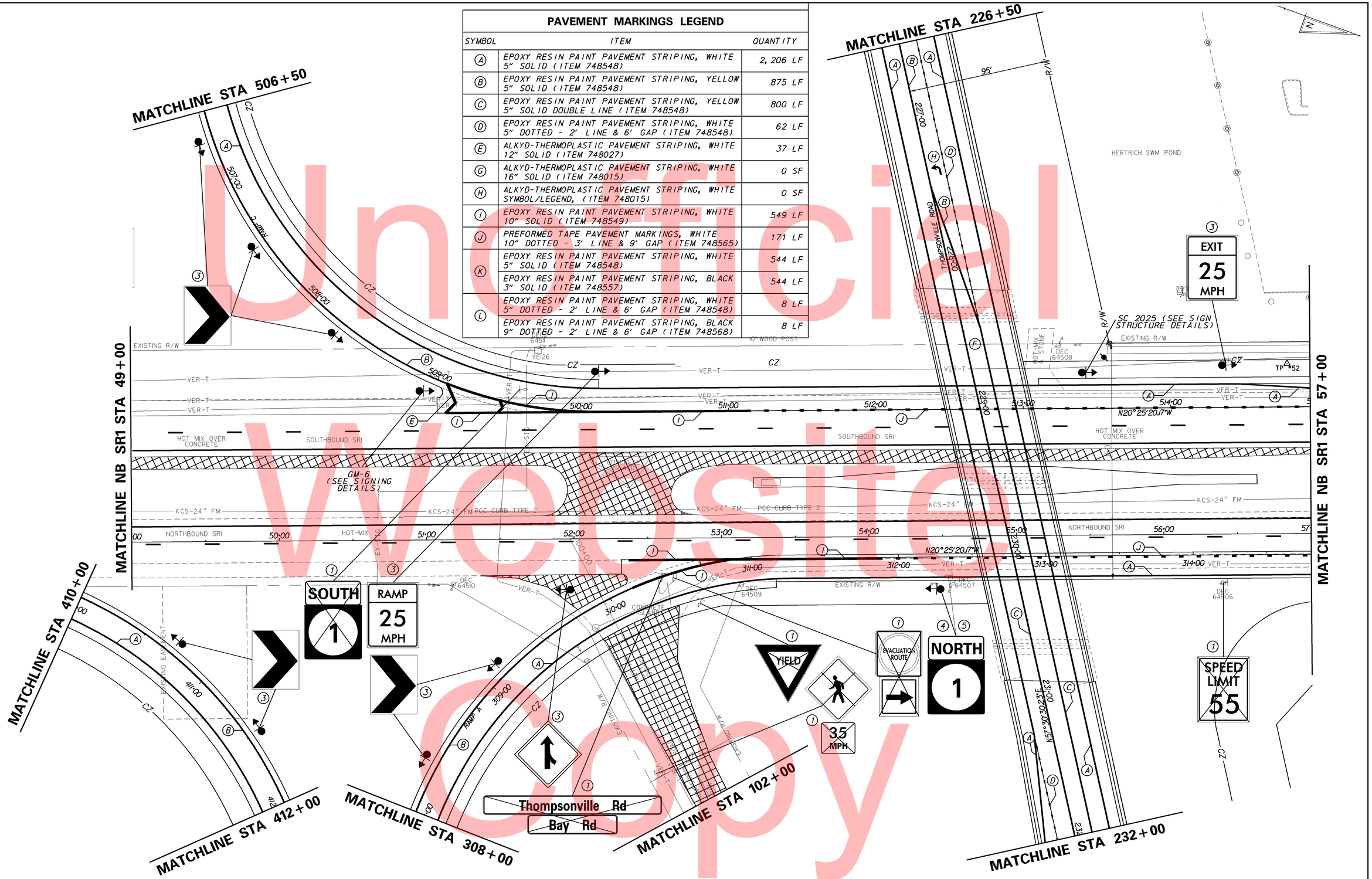
CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 157 TOTAL SHTS. 183

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	2,206 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	875 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	800 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	62 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	37 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	549 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	171 LF
K	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	544 LF
	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	544 LF
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	8 LF
	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 9" DOTTED - 2' LINE & 6' GAP (ITEM 748568)	8 LF



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

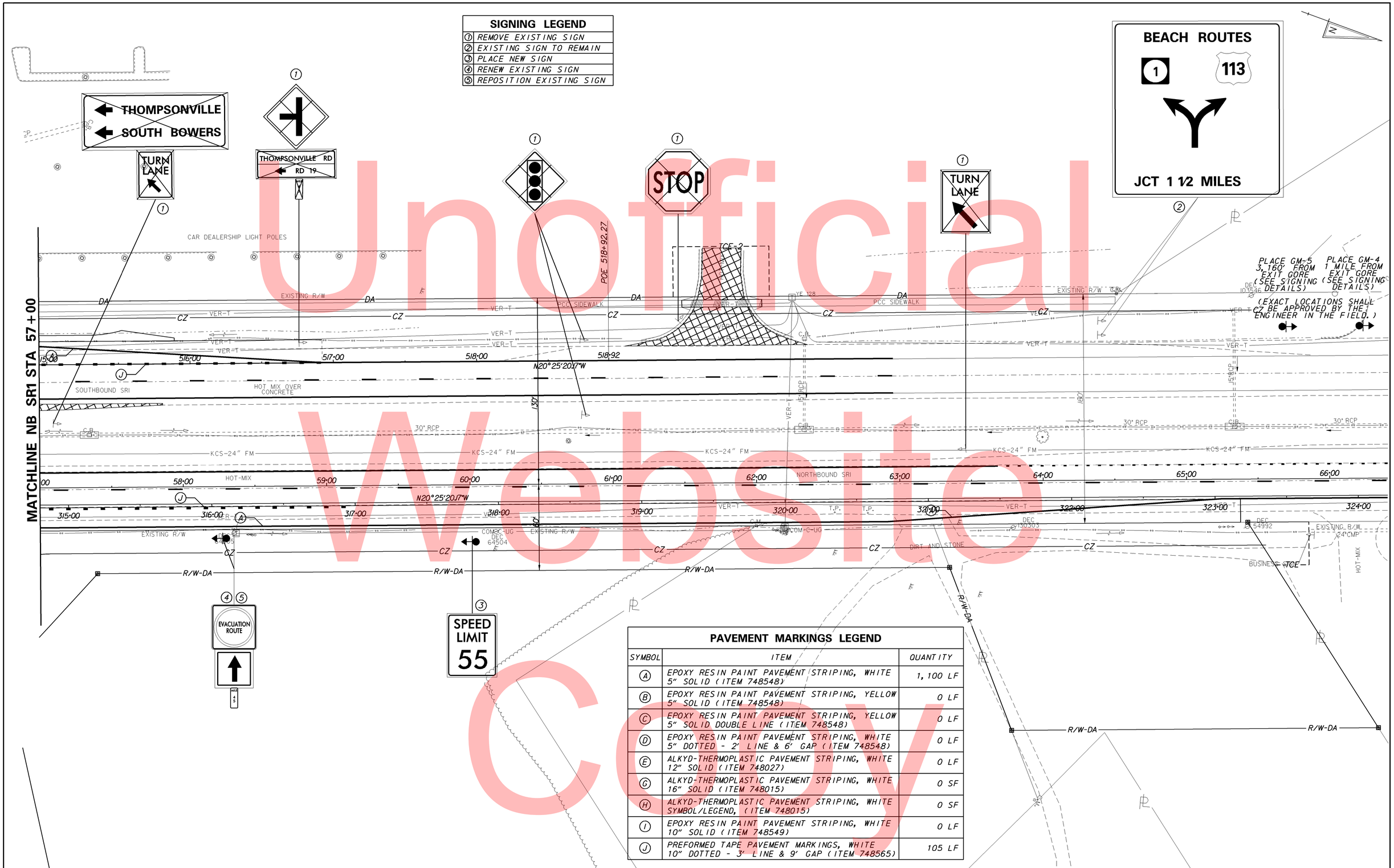
CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 158

TOTAL SHTS. 183

SIGNING LEGEND	
1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,100 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	105 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

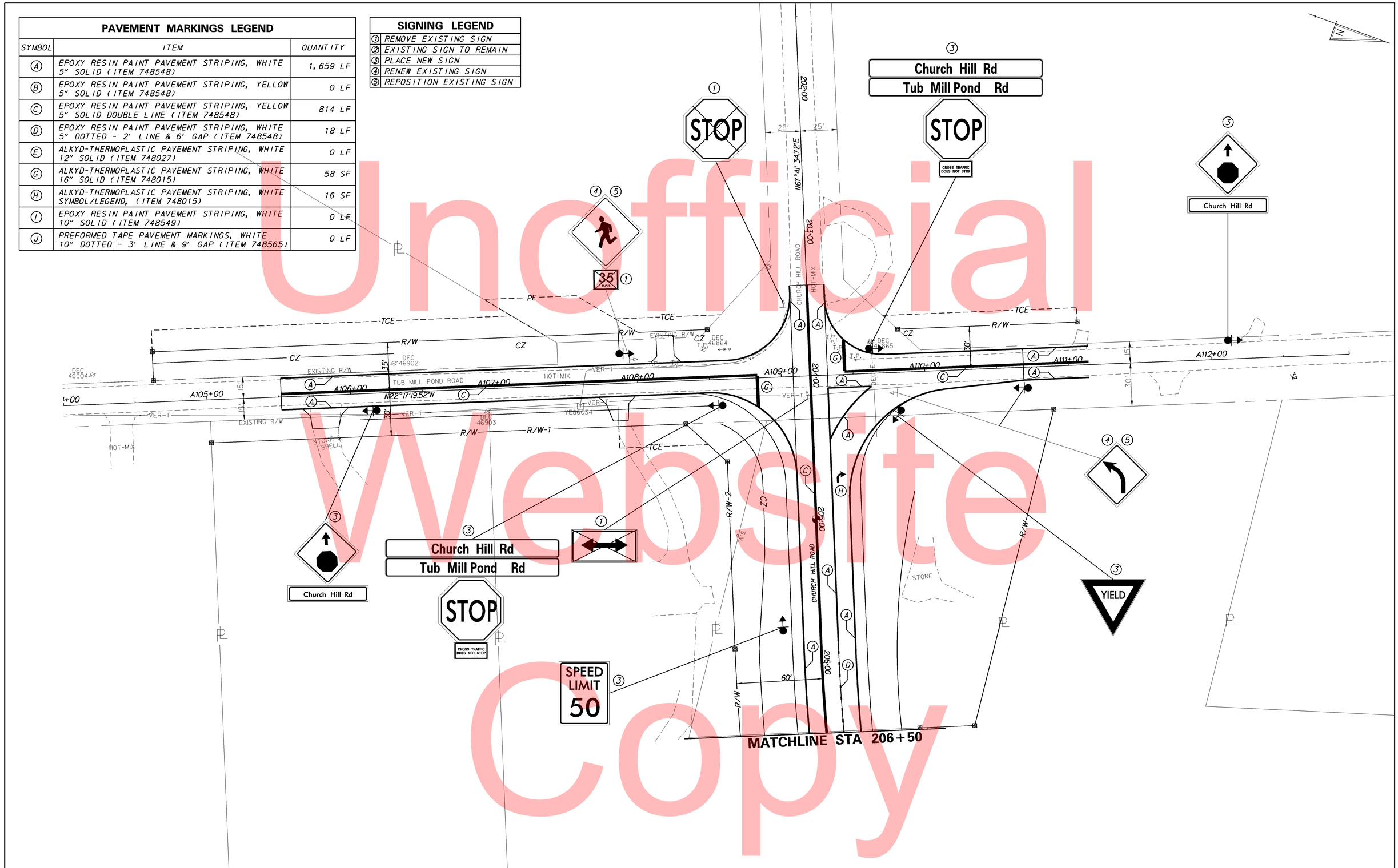
CONTRACT	BRIDGE NO.		SIGNING & STRIPING PLAN	SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT		159
COUNTY				TOTAL SHTS.
KENT	CHECKED BY:			183

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,659 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	814 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	18 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	58 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	16 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN



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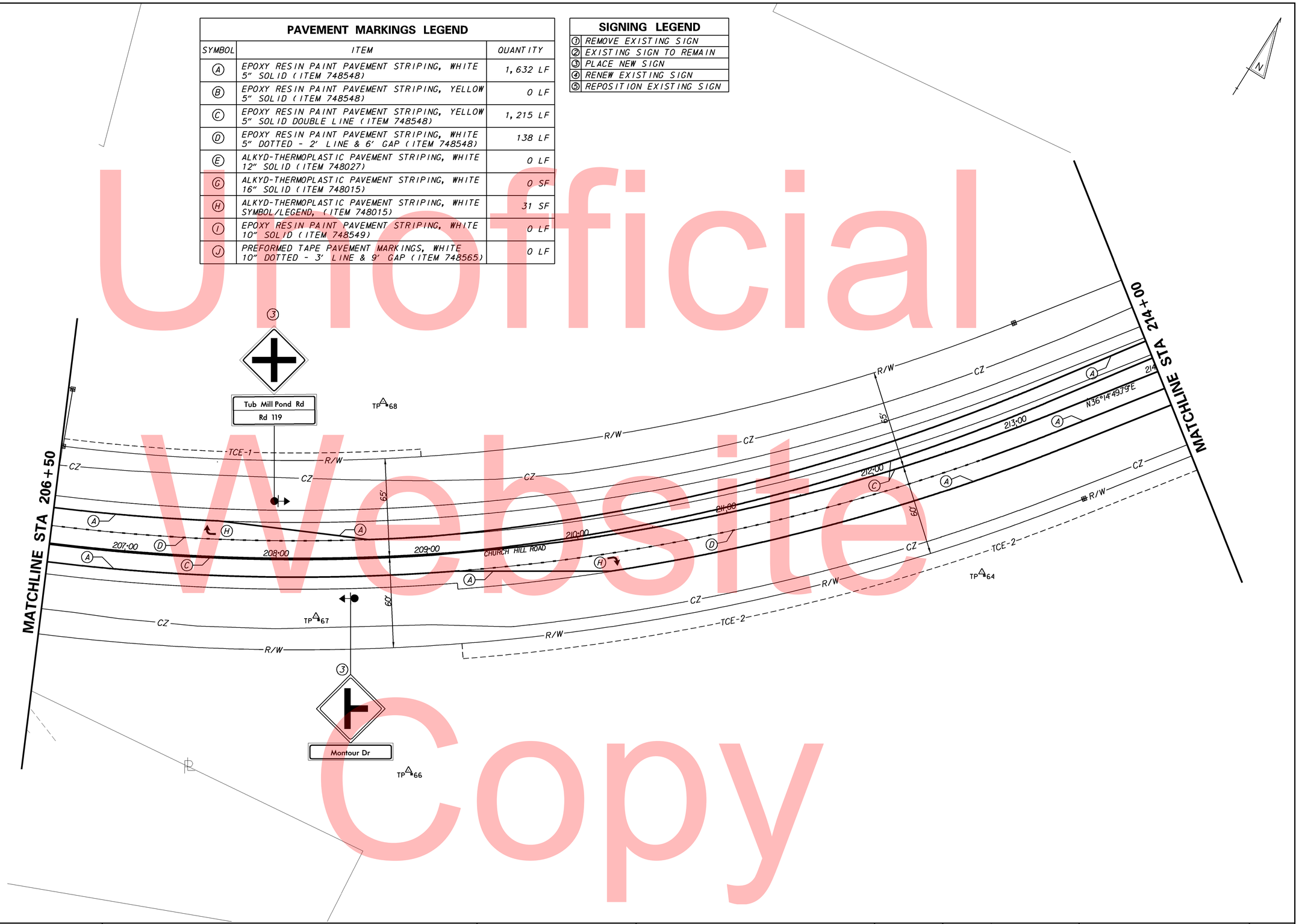
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201 / COUNTY KENT	BRIDGE NO. / DESIGNED BY: MATTHEW VINCENT / CHECKED BY:	SIGNING & STRIPING PLAN	SHEET NO. 160 / TOTAL SHTS. 183

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,632 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	1,215 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	138 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	31 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

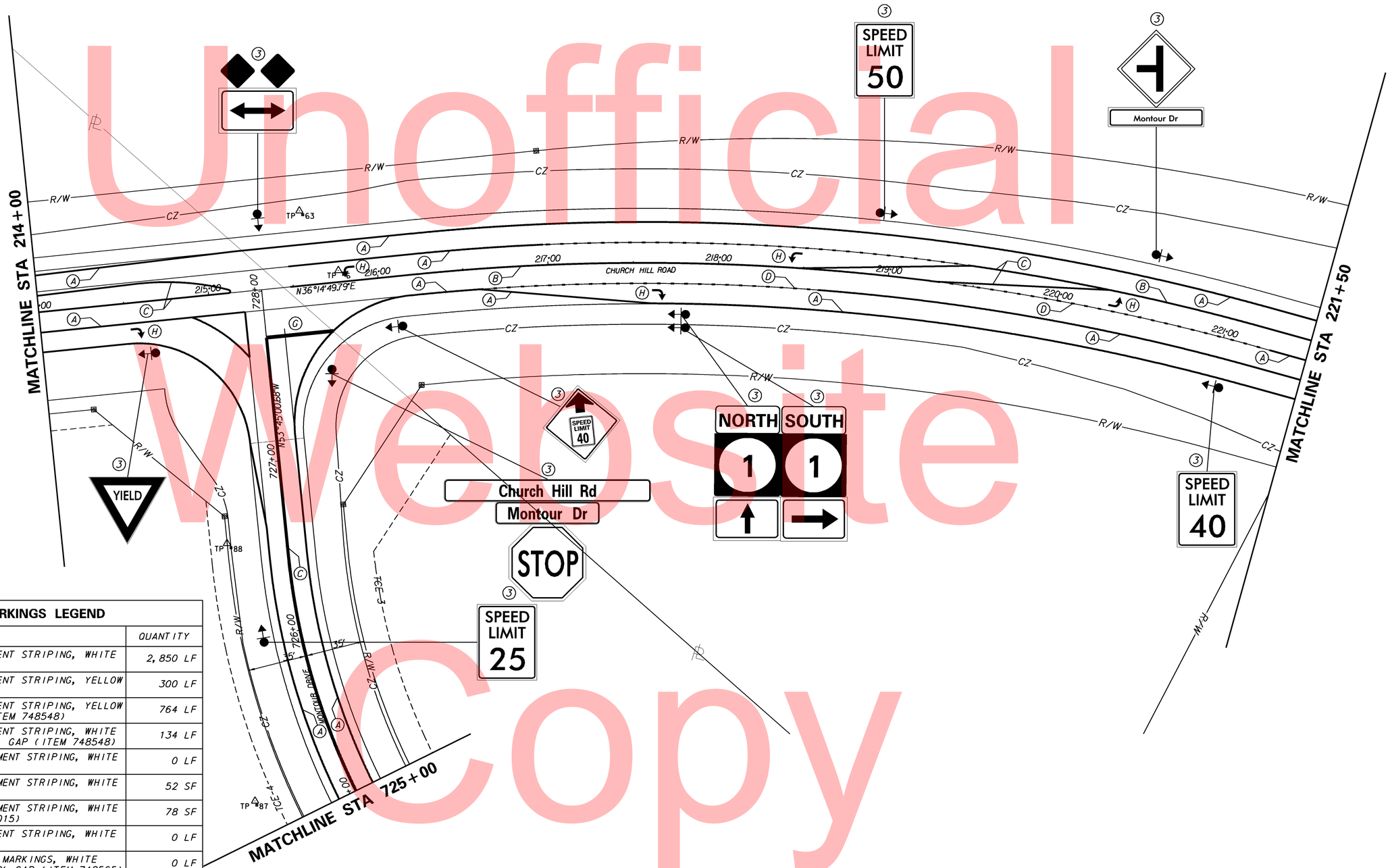
CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 161

TOTAL SHTS. 183

SIGNING LEGEND	
1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	2,850 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	300 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	764 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	134 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	52 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	78 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

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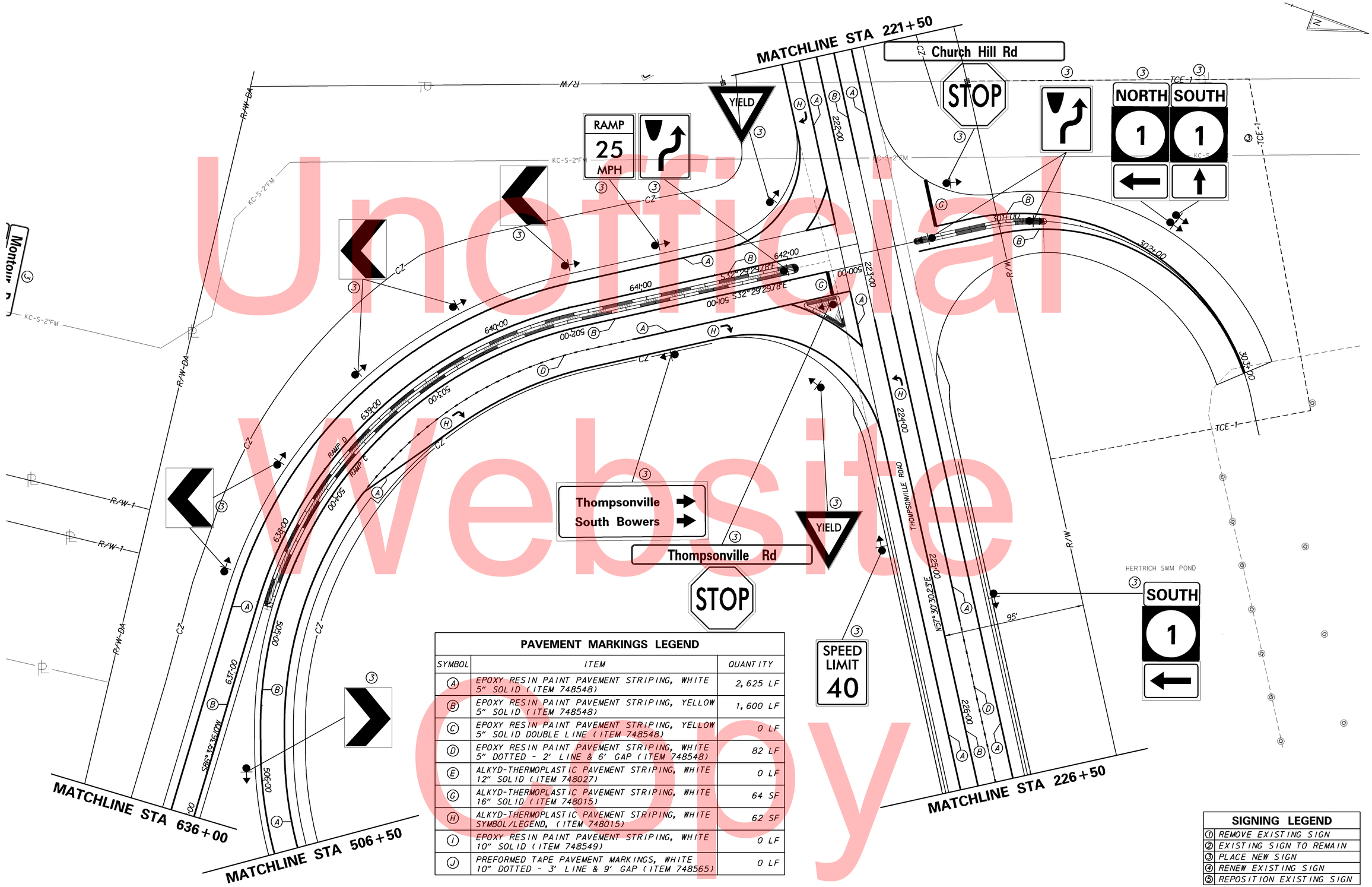
DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.		SIGNING & STRIPING PLAN	SHEET NO.
T200412201	DESIGNED BY:	MATTHEW VINCENT		162
COUNTY				TOTAL SHTS.
KENT	CHECKED BY:			183



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	2,625 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	1,600 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	82 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	64 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	62 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

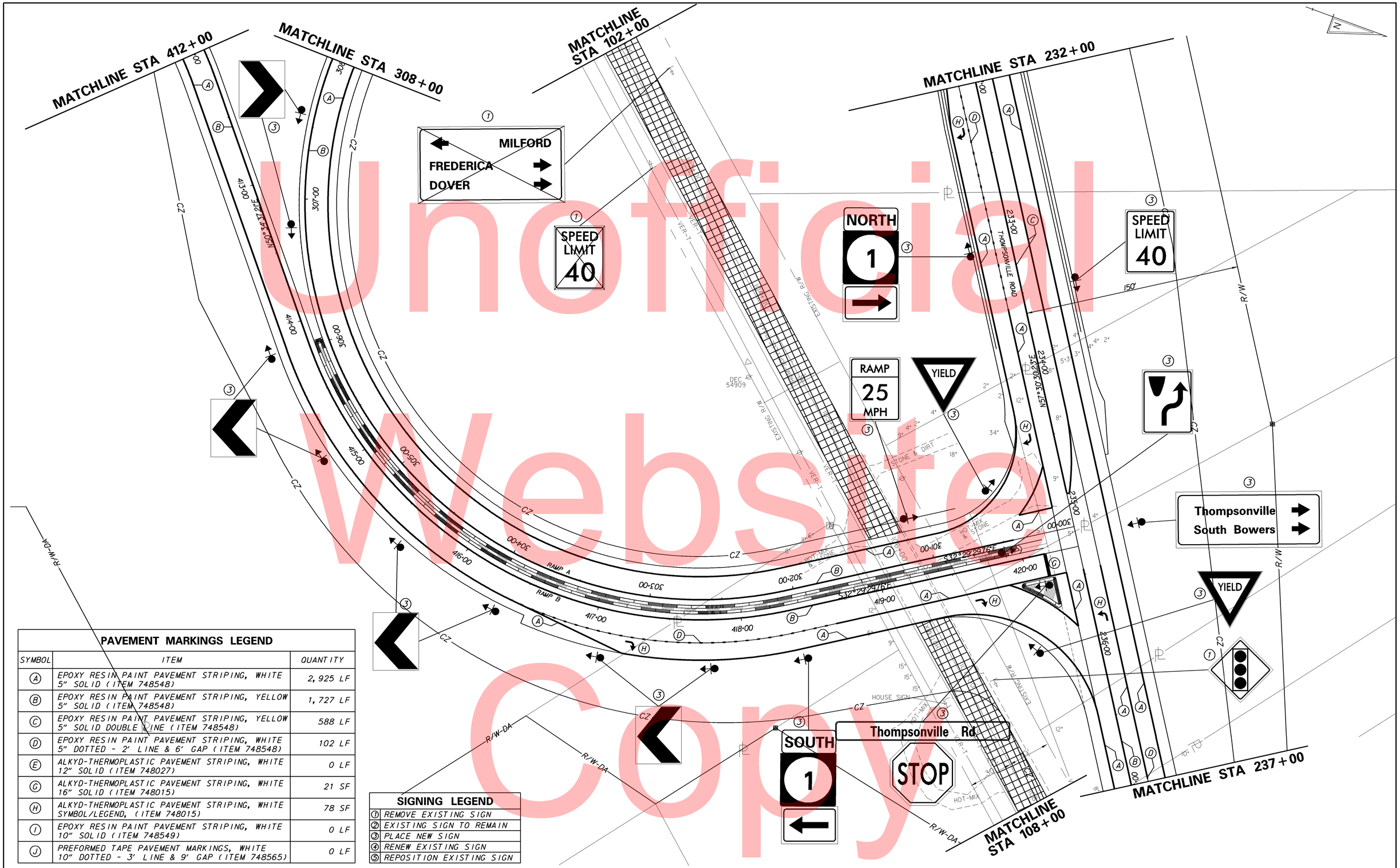
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 163

TOTAL SHTS. 183



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	2,925 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	1,727 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	588 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	102 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	21 SF
(H)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	78 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
(J)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

(1)	REMOVE EXISTING SIGN
(2)	EXISTING SIGN TO REMAIN
(3)	PLACE NEW SIGN
(4)	RENEW EXISTING SIGN
(5)	REPOSITION EXISTING SIGN

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

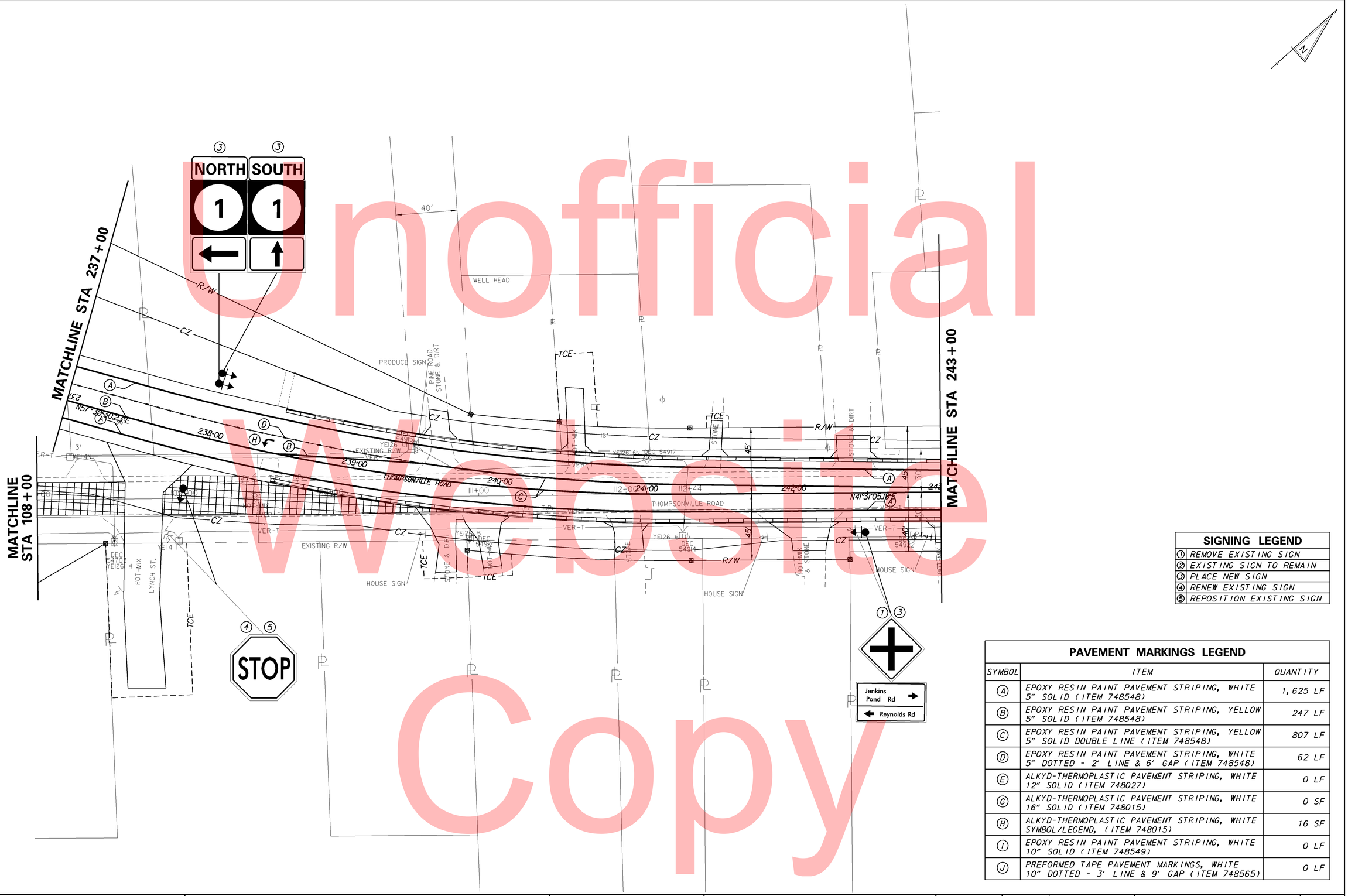
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 164

TOTAL SHTS. 183



SIGNING LEGEND	
1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,625 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	247 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	807 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	62 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	16 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO. 165
TOTAL SHTS. 183

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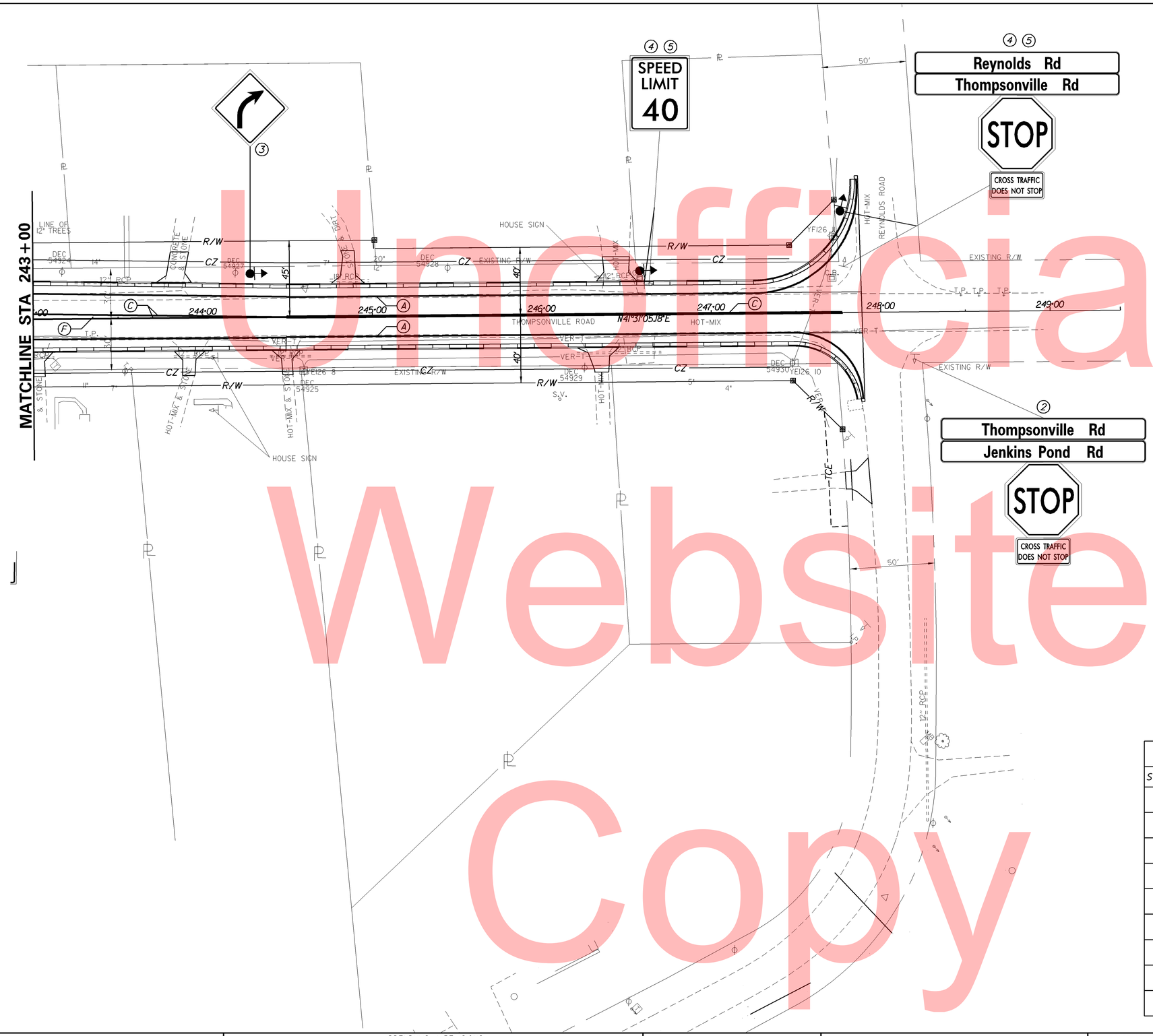

SIGNING LEGEND	
1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,039 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	955 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

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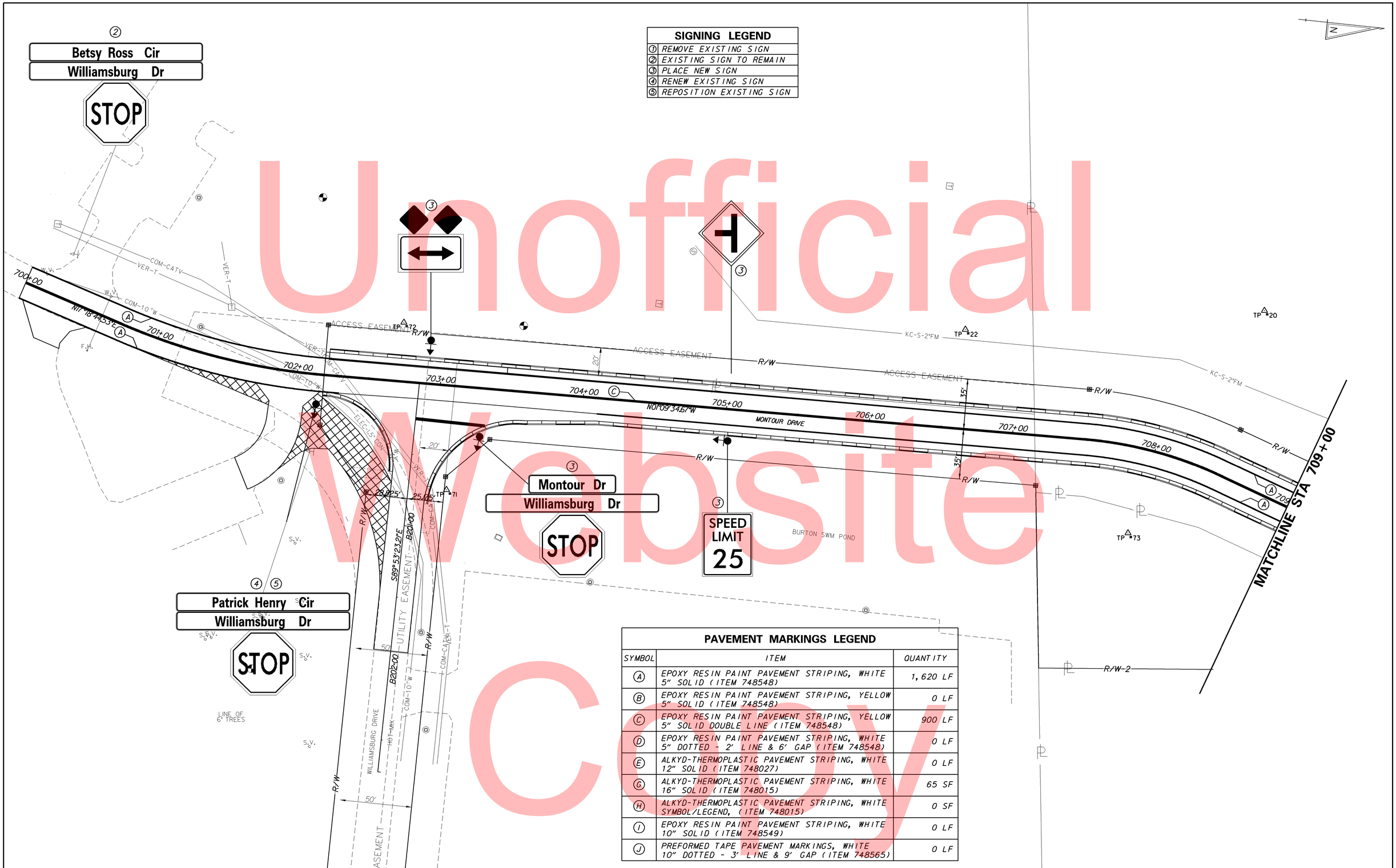
DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	SIGNING & STRIPING PLAN	SHEET NO.
T200412201	DESIGNED BY: MATTHEW VINCENT		166
COUNTY			TOTAL SHTS.
KENT	CHECKED BY:		183



SIGNING LEGEND

①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
Ⓐ	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,620 LF
Ⓑ	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
Ⓒ	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	900 LF
Ⓓ	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
Ⓔ	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
Ⓖ	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	65 SF
Ⓗ	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
Ⓘ	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
Ⓙ	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

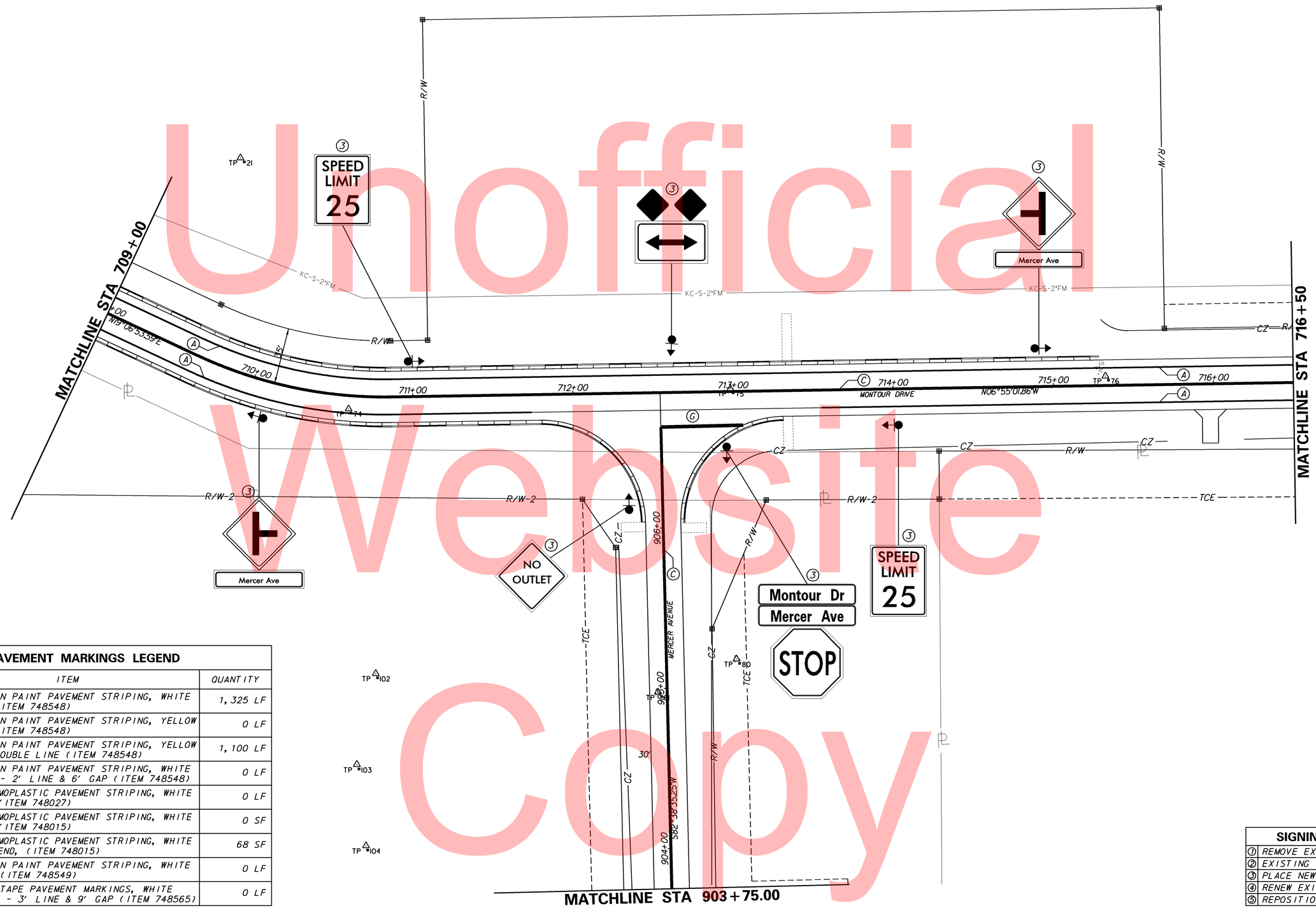
SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY	CHECKED BY:	
KENT		

SIGNING & STRIPING PLAN

SHEET NO.
167
TOTAL SHTS.
183



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,325 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	1,100 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	0 SF
(H)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	68 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
(J)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND	
(1)	REMOVE EXISTING SIGN
(2)	EXISTING SIGN TO REMAIN
(3)	PLACE NEW SIGN
(4)	RENEW EXISTING SIGN
(5)	REPOSITION EXISTING SIGN

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	SIGNING & STRIPING PLAN	SHEET NO.
T200412201	DESIGNED BY: MATTHEW VINCENT		168
COUNTY			TOTAL SHTS.
KENT	CHECKED BY:		183

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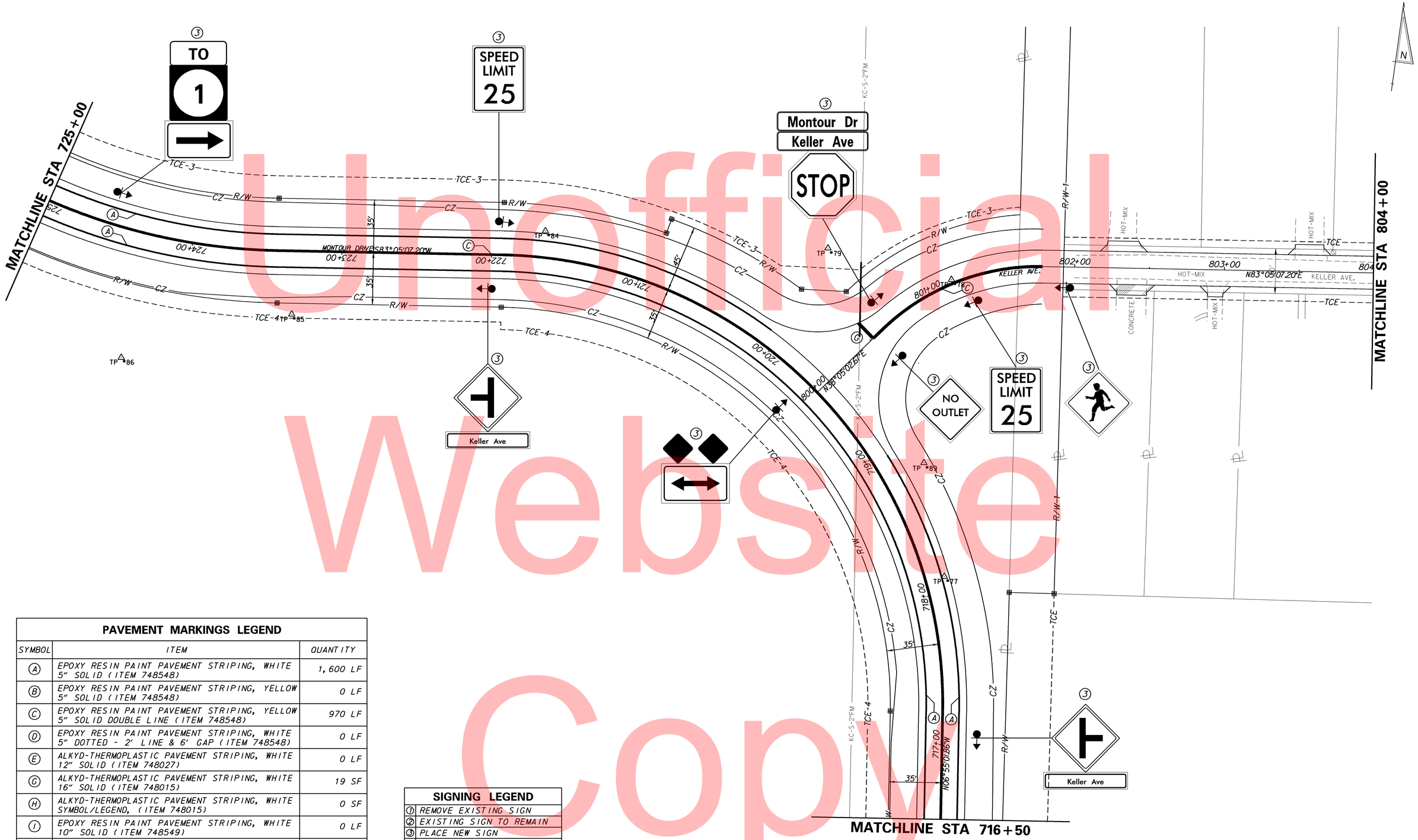

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PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	1,600 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID DOUBLE LINE (ITEM 748548)	970 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 748548)	0 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027)	0 LF
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 748015)	19 SF
H	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
J	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF

SIGNING LEGEND

1	REMOVE EXISTING SIGN
2	EXISTING SIGN TO REMAIN
3	PLACE NEW SIGN
4	RENEW EXISTING SIGN
5	REPOSITION EXISTING SIGN

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

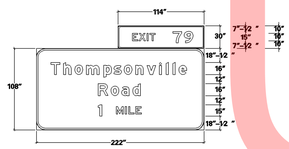
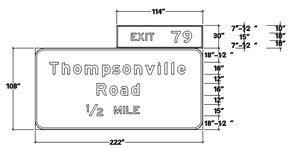
SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

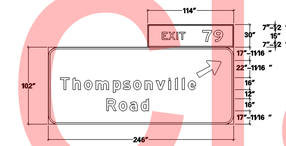
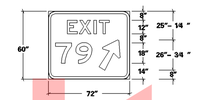
CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	MATTHEW VINCENT
COUNTY		
KENT	CHECKED BY:	

SIGNING & STRIPING PLAN

SHEET NO. 169

TOTAL SHTS. 183

PANEL DESIGNATION	SHEET NO.	QUANTITY	LEGEND	SIZE AREA (S.F.)	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BCKGRND	BORDER WIDTH	BORDER RADIUS	ARROW	SHIELD	REMARKS
GM-1	NB	1		23.75	114"	30"	W	G	2"	6"			FONT: 16" HWY 5-W
GM-4	SB	1		166.5	222"	108"	W	G	2"	12"			
GM-2	NB	1		23.75	114"	30"	W	G	2"	6"			FONT: 16" HWY 5-W
GM-5	SB	1		166.5	222"	108"	W	G	2"	12"			

PANEL DESIGNATION	SHEET NO.	QUANTITY	LEGEND	SIZE AREA (S.F.)	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BCKGRND	BORDER WIDTH	BORDER RADIUS	ARROW	SHIELD	REMARKS
C-1	NB	1		23.75	114"	30"	W	G	2"	6"			FONT: 16" HWY 5-W ARROW: 18.2" X 29.2" @ 45 DEGREES
C-2	SB	1		174.25	246"	102"	W	G	2"	12"			
GM-3	NB	1		30	72"	60"	W	G	2"	6"	1		FONT: 16" HWY 5-W ARROW: 18.2" X 29.2" @ 60 DEGREES
GM-6	SB	1											

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

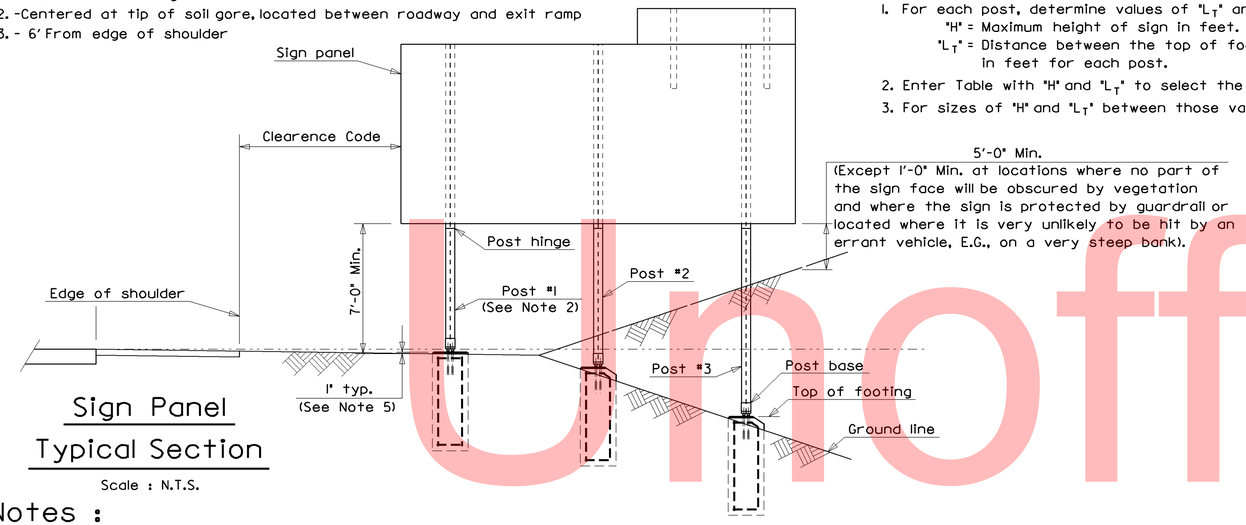
CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	
COUNTY		
KENT	CHECKED BY:	

SIGNING DETAILS

SHEET NO.
170
TOTAL SHTS.
183

$DATE$
$FILE$
$TIME$

Clearence code
1. - 4' Behind face of guardrail
2. -Centered at tip of soil gore, located between roadway and exit ramp
3. - 6' From edge of shoulder



Sign Panel Typical Section

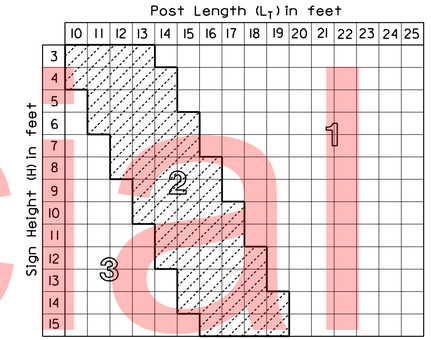
Scale : N.T.S.

General Notes for Bracket Number Selection Table

1. For each post, determine values of "L_T" and "H" as indicated in sketch.
   "H" = Maximum height of sign in feet.
   "L_T" = Distance between the top of footing and the top of sign in feet for each post.
2. Enter Table with "H" and "L_T" to select the required bracket for that post.
3. For sizes of "H" and "L_T" between those values on the table, use the next highest value.

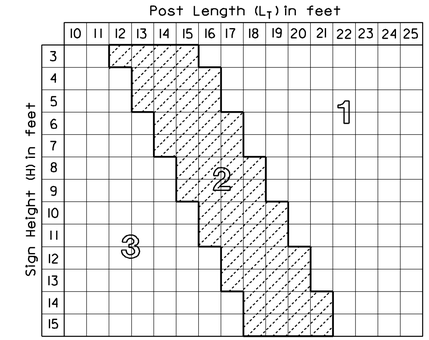
W6 Post

Post Length (L_T) in feet



W8 Post

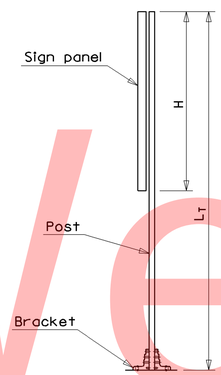
Post Length (L_T) in feet



B-525 Bracket Tables

Notes :

1. Materials and workmanship in accordance with Delaware Department of Transportation Standard Specifications, unless noted otherwise.
2. Post #1 is always adjacent to roadway whether sign is located on left or right.
3. At locations with unmountable curb, guardrail or barrier, place the near edge of the sign at least 2'-0" behind the curb face, guardrail or barrier. At locations with guardrail or barrier, it is desirable to place post #1 beyond the deflection distance of the guardrail or barrier. Prior to fabrication, determine actual lateral placement in the field with the approval of the Enginner.
4. Locate signs to avoid placing support in drainage ditches.
5. Mount all sign panels above post hinges.
6. For selection of posts, refer to Post Selection Tables.
7. For post base and hinge details, refer to detail sheet.
8. For selection of footing size and reinforcement, refer to Foundation Data Table.
9. Design criteria, 1994 A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminairs and Traffic Signals.

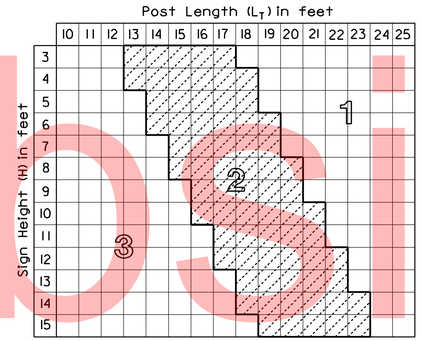


Sign Elevation

Scale : N.T.S.

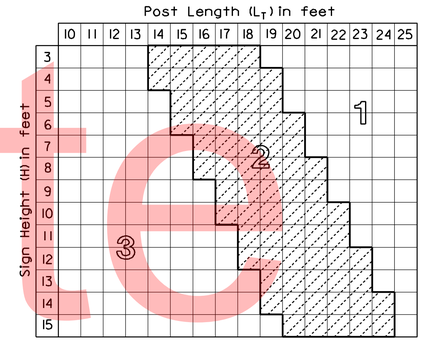
W10 Post

Post Length (L_T) in feet



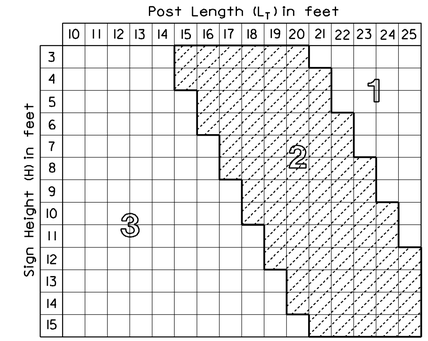
W12 Post

Post Length (L_T) in feet



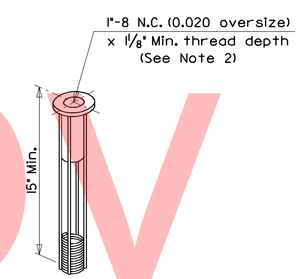
W14 Post

Post Length (L_T) in feet



B-650 Bracket Tables

Bracket Number Selection Tables



Anchor

Scale : N.T.S.

Notes :

1. Enter Foundation Data Table with required post size and find required footing values as shown in Details.
2. The anchor shall be 304 stainless steel with 1053 steel rod and coil.
3. Form the top one foot of the footing.
4. Use Class B cement concrete in all footings.
5. Exact dimensions "A" and "B" should be obtained from the manufacturer or measured from the assembled brackets prior to placement of anchores. Approximate dimensions are as follows :
   "A" (Lateral spacing of anchors)
   3" for B-525 used on W6 and W8 posts
   4" for B-650 used on W10, W12 and W14 posts.
   "B" (Longitudinal spacing of anchors)
   Bracket #1 - Depth of post selection plus 7 15/16".
   Bracket #2 - Depth of post selection plus 8 1/16".
   Bracket #3 - Depth of post selection plus 8 1/8".
6. To insure proper spacing and alignment of anchors, it is recommended that all anchors be held in place by a rigid machined template while the concrete is placed and cured.
7. Transpo Industries or approved equal.

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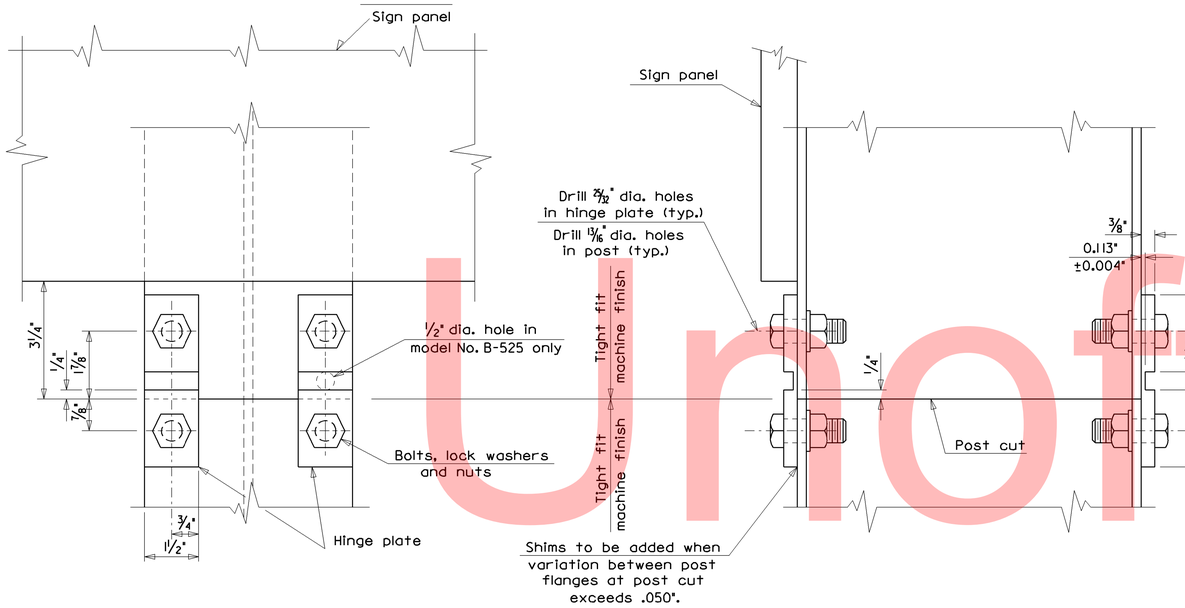
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO. X	GROUND MOUNT DETAILS	SHEET NO. 171
			COUNTY KENT	DESIGNED BY:		TOTAL SHTS. 183
				CHECKED BY:		

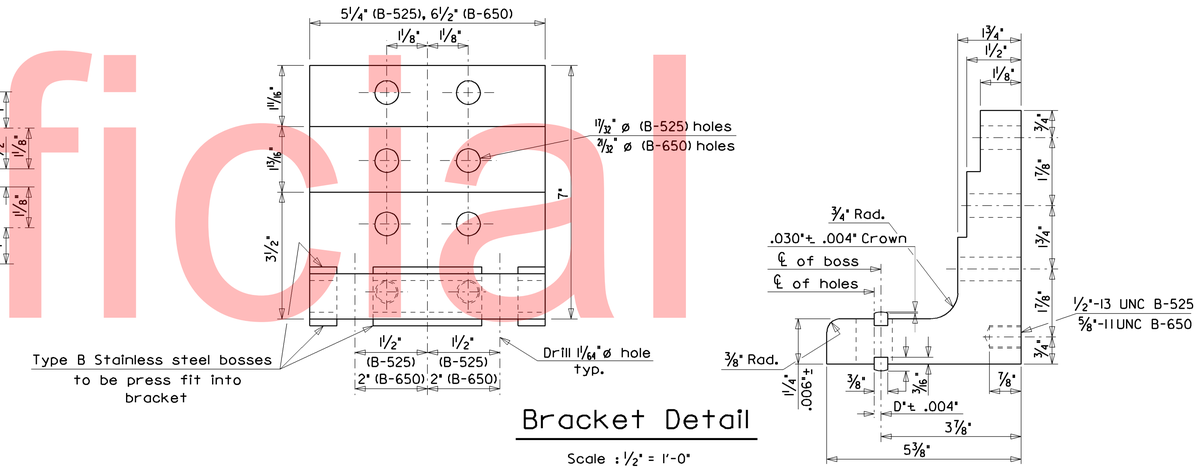
Notes :

1. The bracket number is stamped on the bracket.
2. Bolt the brackets to post, then place post and connected bracket to breakaway coupling.
3. For footing and anchor details, see attached sheets.
4. All bolts to be tightened in accordance with the manufacturer's specifications.
5. Transpo Industries or approved equal.

Bracket No.	D (Inches)
1	0.100
2	0.150
3	0.200

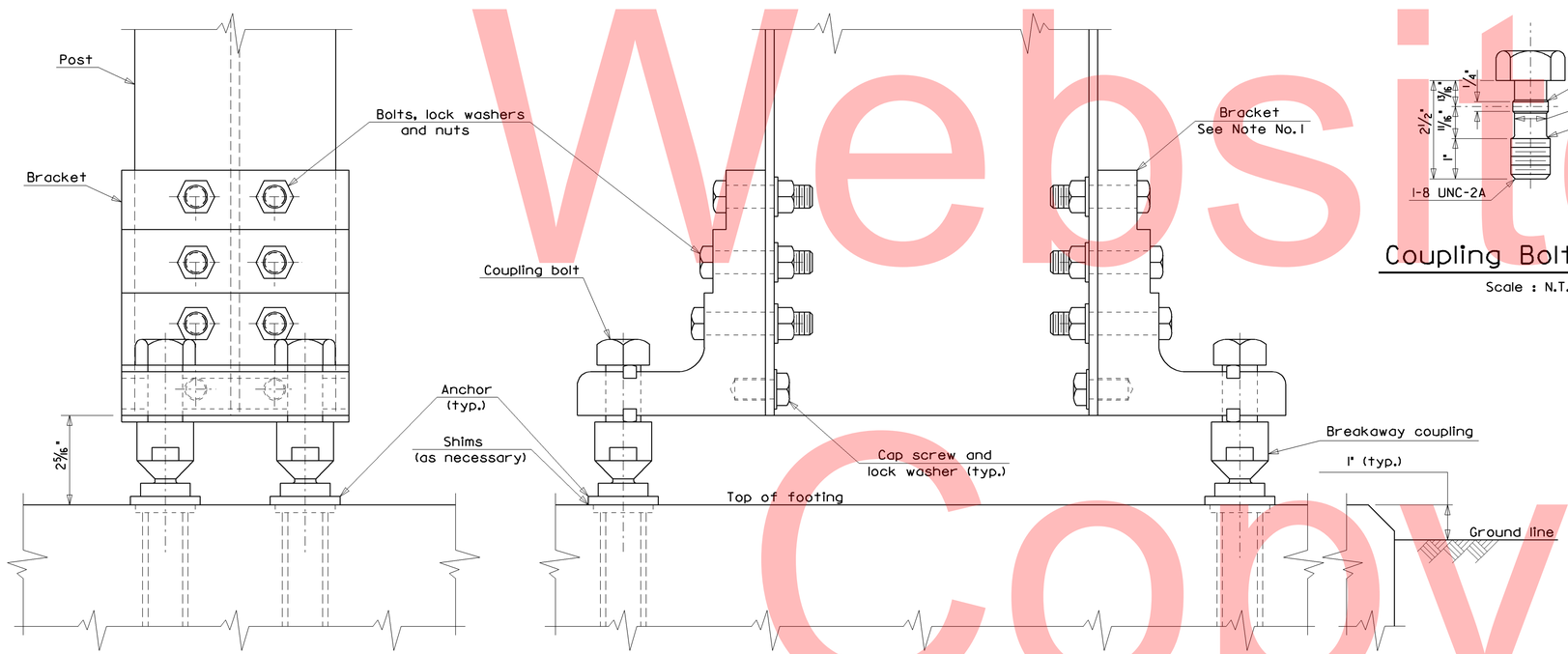


Post Hinge Detail



Bracket Detail

Scale : 1/2" = 1'-0"



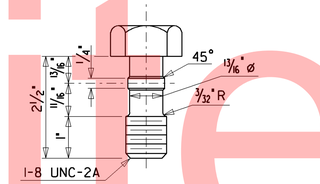
Front View

Post Base Detail

Side View

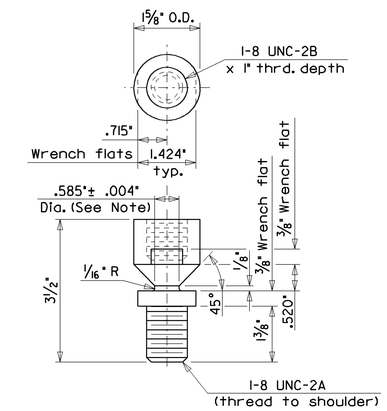
Breakaway Assemblies

Scale : 1/2" = 1'-0"



Coupling Bolt Detail

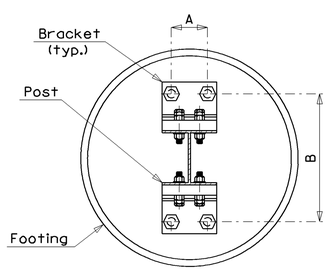
Scale : N.T.S.



Type B - Breakaway Coupling Detail

Scale : N.T.S.

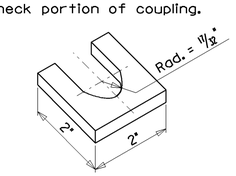
Note : Do not place torque across neck portion of coupling.



Plan View

Scale : N.T.S.

Note : For dimensions A and B, see ground mount sign and footing detail



Shim Detail

Scale : N.T.S.

Note : 14 or 18 gage galvanized steel sheet

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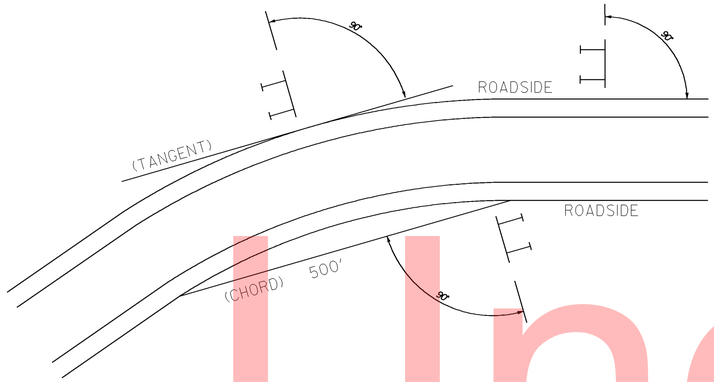
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT T200412201	BRIDGE NO. X	GROUND MOUNT DETAILS	SHEET NO. 172
			COUNTY KENT	DESIGNED BY:		TOTAL SHTS. 183
				CHECKED BY:		



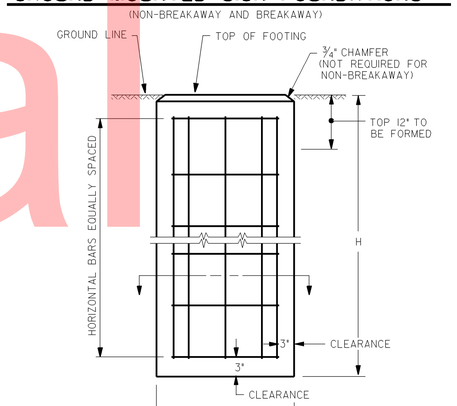
GROUND MOUNT SIGN LOCATION DETAIL

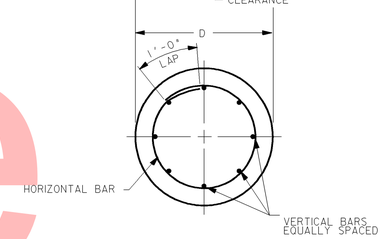
NOT TO SCALE

1. VERTICAL ALIGNMENT
   POSITION PANEL SO FACE IS PLUMB.
2. HORIZONTAL ALIGNMENT (SEE DIAGRAM ABOVE)
   a.) ON STRAIGHT ROADWAY SECTIONS, ANGLE OF SIGN FACE TO BROADWAY SHALL BE 90 DEGREE TO EDGE OF ROAD.
   b.) ON THE INSIDE OF HORIZONTAL CURVES POSITION SIGN SO FACE OF PANEL MAKES AN ANGLE OF 90 DEGREES WITH A CHORD BETWEEN A POINT ON NEAR EDGE OF PAVEMENT AT SIGN LOCATION AND A POINT ON EDGE OF PAVEMENT 500' IN ADVANCE OF SIGN.
   c.) ON THE OUTSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT SIGN LOCATION.
   d.) POSTIONING OF SIGNS AT GORES AND RAMP SEPERATIONS IS REFERRED TO THE NORMAL EDGE OF THE MANLINE ROADWAY.

GROUND MOUNTED SIGN FOUNDATIONS

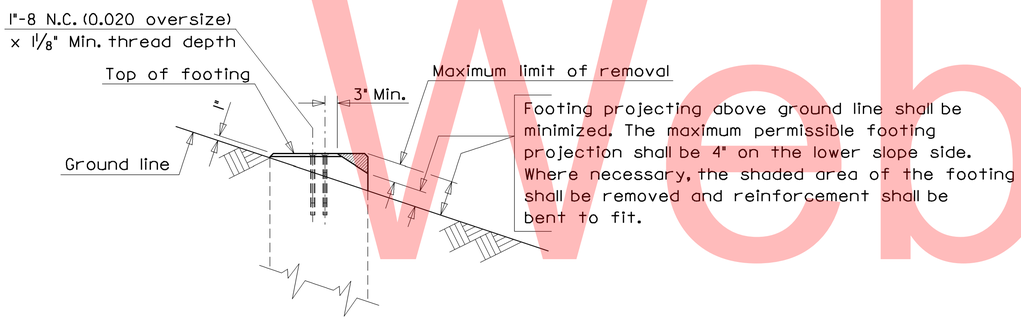
(NON-BREAKAWAY AND BREAKAWAY)

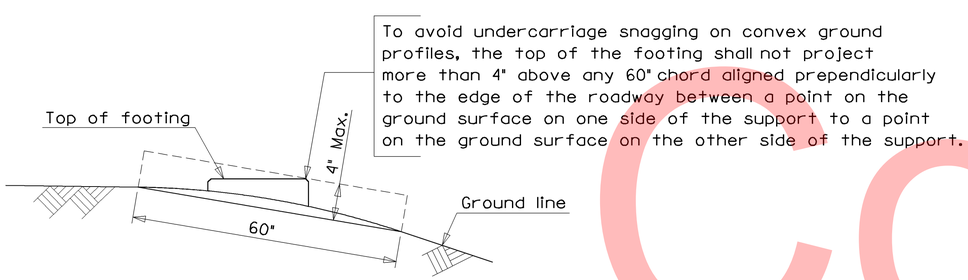




FOUNDATION DATA TABLE

POST SIZE	D	H	VERT BARS	HOR BARS	QUANTITIES CLASS B CONC	QUANTITIES REINFORCING STEEL
W6X9	30"	6'-0"	8-#7	7-#4	1.09 C.Y.	124 LBS.
W6X12	30"	7'-6"	8-#9	8-#4	1.36 C.Y.	232 LBS.
W6X15	30"	7'-6"	8-#9	8-#4	1.36 C.Y.	232 LBS.
W8X18	30"	7'-6"	8-#9	8-#4	1.36 C.Y.	232 LBS.
W8X21	30"	8'-0"	8-#9	9-#4	1.45 C.Y.	250 LBS.
W8X31	30"	10'-0"	8-#9	11-#4	1.82 C.Y.	311 LBS.
W10X22	36"	8'-6"	8-#10	9-#4	2.23 C.Y.	294 LBS.
W10X26	36"	9'-0"	8-#10	10-#4	2.36 C.Y.	355 LBS.
W12X26	36"	10'-0"	8-#10	11-#4	2.62 C.Y.	395 LBS.
W14X30	36"	11'-0"	8-#10	12-#4	2.88 C.Y.	435 LBS.
W14X34	36"	12'-6"	8-#10	13-#4	3.27 C.Y.	489 LBS.
W14X38	36"	14'-0"	8-#10	15-#4	3.67 C.Y.	552 LBS.





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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	
COUNTY	CHECKED BY:	
KENT		

GROUND MOUNT DETAILS

SHEET NO. 173

TOTAL SHTS. 183

Post Selection Table - Two Posts

W Feet	L_B Feet	Height "H" in Feet 4	5	6	7	8	9	10	11	12	13	14	15
6	6	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12
	8	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15
	10	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15
	12	W6x9	W6x9	W6x12	W6x12	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15
	14	W6x9	W6x12	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W6x15	W8x18
	16	W6x12	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21
8	6	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15
	8	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15
	10	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W8x18
	12	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21
	14	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21
	16	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W8x21	W10x26
10	6	W6x9	W6x9	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15
	8	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18
	10	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x18
	12	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21
	14	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W8x21	W10x26
	16	W6x12	W6x15	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W10x26
12	6	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18
	8	W6x9	W6x9	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W10x22
	10	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x18	W8x21	W10x26
	12	W6x9	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W8x21	W10x26
	14	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x22	W10x26	W10x26	W10x26
	16	W6x15	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W10x26	W12x26
14	6	W6x9	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22
	8	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W10x22	W12x26
	10	W6x9	W6x12	W6x12	W6x12	W6x15	W6x15	W8x18	W8x18	W8x21	W10x22	W10x22	W12x26
	12	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26
	14	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x26	W10x26	W10x26	W10x26	W12x26
	16	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x30
16	6	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W10x26
	8	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W12x26	W14x30
	10	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x22	W12x26	W14x30
	12	W6x12	W6x12	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30
	14	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x26	W10x26	W12x26	W12x26	W14x30	W14x30
	16	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34	W14x34
18	6	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W10x22	W12x26
	8	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W14x30	W14x30
	10	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x21	W8x21	W10x22	W12x26	W14x30	W14x30
	12	W6x12	W6x12	W6x15	W8x18	W8x18	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30	W14x34
	14	W6x15	W6x15	W6x15	W8x21	W8x21	W10x22	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38
	16	W6x15	W6x15	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x30	W14x38	W14x38
20	6	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22	W12x26	W14x30
	8	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x21	W10x22	W14x30	W14x30
	10	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22	W12x26	W12x26	W14x30	W14x34
	12	W6x12	W6x15	W6x15	W8x18	W8x21	W8x21	W10x22	W10x26	W12x26	W14x30	W14x34	W14x38
	14	W6x15	W6x15	W8x18	W8x21	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38	W14x38	W14x38
	16	W6x15	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38	W14x38	W14x43

Post Selection Table - Three Posts

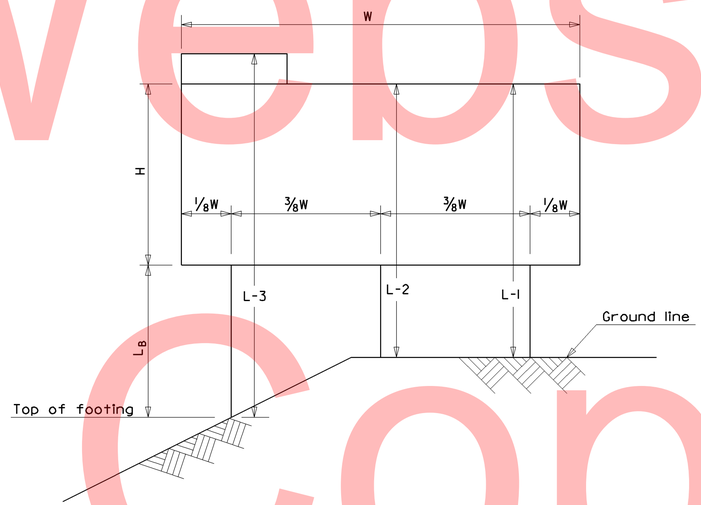
W Feet	L_B Feet	Height "H" in Feet 4	5	6	7	8	9	10	11	12	13	14	15
22	6	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22
	8	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W10x26	W12x26
	10	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x21	W10x22	W10x26	W12x26
	12	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x21	W8x21	W10x26	W10x26	W12x26
	14	W6x12	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30
	16	W6x15	W6x15	W6x15	W8x21	W8x21	W10x26	W10x26	W10x26	W10x26	W12x26	W14x30	W14x30
24	6	W6x9	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22
	8	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W12x26	W14x30
	10	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22	W10x22	W12x26	W14x30
	12	W6x12	W6x12	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30
	14	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34
	16	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34	W14x34
26	6	W6x9	W6x9	W6x9	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W10x22	W10x22	W12x26
	8	W6x9	W6x9	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W12x26	W14x30
	10	W6x12	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22	W12x26	W12x26	W14x30
	12	W6x12	W6x12	W6x15	W8x18	W8x18	W8x21	W8x21	W10x22	W10x26	W12x26	W12x26	W14x30
	14	W6x15	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30	W14x30	W14x34
	16	W6x15	W6x15	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x30	W14x34	W14x34
28	6	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W12x26	W12x26
	8	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x18	W8x18	W10x22	W14x30	W14x30
	10	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W8x21	W10x22	W12x26	W14x30	W14x34
	12	W6x12	W6x15	W6x15	W8x18	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30	W14x34
	14	W6x15	W6x15	W8x18	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38
	16	W6x15	W8x18	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x30	W14x34	W14x38
30	6	W6x9	W6x9	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W10x22	W10x22	W12x26	W14x30
	8	W6x9	W6x12	W6x15	W6x15	W6x15	W6x15	W8x18	W8x18	W10x22	W10x22	W14x30	W14x30
	10	W6x12	W6x12	W6x15	W6x15	W6x15	W8x18	W8x21	W10x22	W12x26	W12x26	W14x30	W14x30
	12	W6x12	W6x15	W6x15	W8x18	W8x21	W8x21	W10x22	W10x26	W12x26	W14x30	W14x34	W14x38
	14	W6x15	W6x15	W8x21	W8x21	W8x21	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38	W14x38
	16	W6x15	W8x21	W8x21	W10x26	W10x26	W10x26	W12x26	W14x30	W14x34	W14x38	W14x38	W14x43

General Notes for Selection of Sign Support Posts

1. Determine values of "W", "H" and "L_B" as indicated in sketches "A" or "B".
   W = Maximum width of sign.
   H = Maximum height of sign.
   L_B = Maximum distance between top of a footing and bottom of sign.
2. For selection of posts, enter Tables with values of "W", "H" and "L_B".
3. For a size between those values of "W", "H" and "L " in the table, use next highest foot value.
4. All post sizes shown in upright lettering are A36 steel; all post sizes shown in slanted lettering with a crosshatched background are A441or A572, grade 50 steel.
5. Use the longest post to select all the post sizes.
6. No more than 2 posts may be erected within any 7-foot path, the total combined weight of all posts within a 7-foot path should not exceed 45 Lbs. per ft. The total combined weight of all posts within a 7-foot path should not exceed 600 Lbs. below the post hinge.
7. Transpo Industries or approved equal.
8. Design wind velocity - 80 m.p.h
   Design ice load - 3 p.s.f.
9. ALL Lb DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. INCIDENTAL TO ALL GROUNDMOUNT ITEMS.

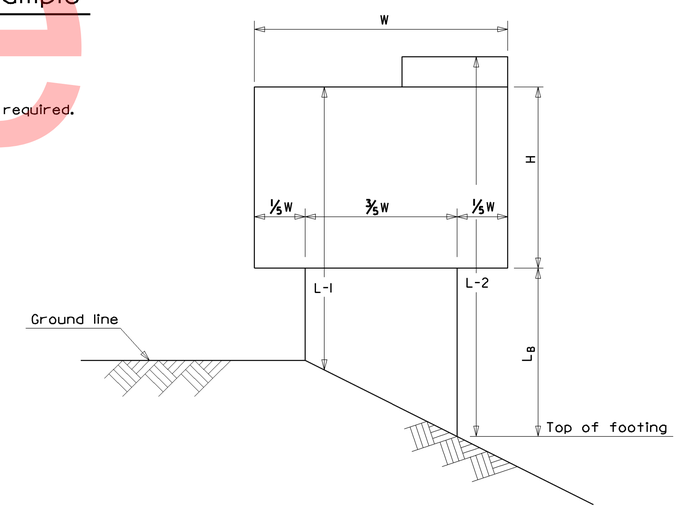
Post Selection Example

For a sign where :
W = 14'-0"
H = 10'-0"
L_B = 8'-0"
Two W6x15, A36 steel posts are required.



Sign on Three Posts

Sketch B



Sign on Two Posts

Sketch A

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	
COUNTY		
KENT	CHECKED BY:	

GROUND MOUNT DETAILS

SHEET NO. 174

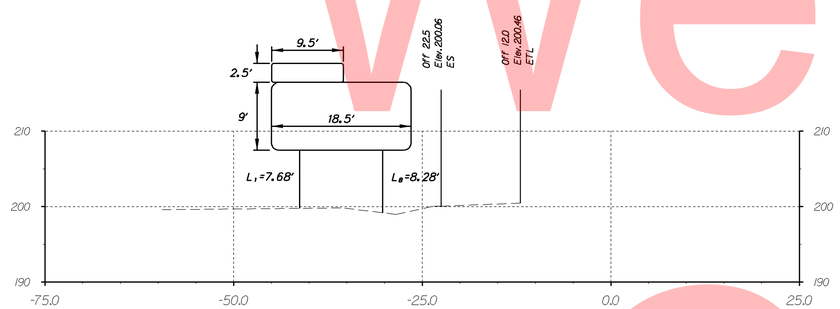
TOTAL SHTS. 183

DATE
FILE
LINE

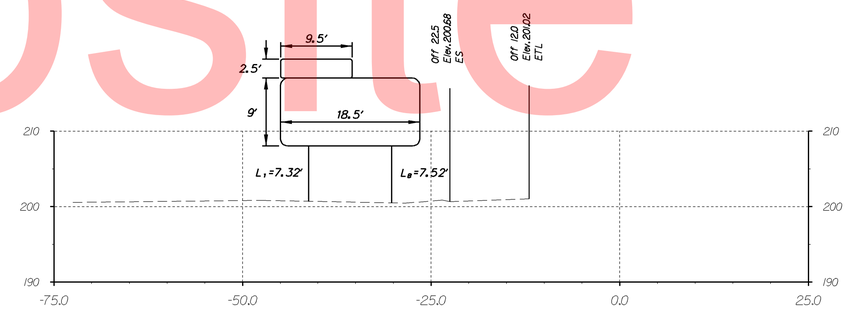
GROUND MOUNT SIGN REQUIREMENTS

G.M. SIGN NO.	SHEET NO.	SUPPORT TYPE	BW OR NBW	SUPPORT L-1	SUPPORT L-2	SUPPORT L-3	LATERAL CLEARANCE CODE	POST SPACING	L_B	SIGN PANEL WIDTH	SIGN PANEL HEIGHT
GM-4	N/A	W6X15	BW	17'-0"	19'-2"	N/A	3	5'-6"	8'-3"	18'-6"	9'-0"
GM-5	N/A	W6X15	BW	16'-6"	18'-9"	N/A	3	5'-6"	7'-6"	18'-6"	9'-0"

CLEARANCE CODE
1. - 4' BEHIND FACE OF GUARDRAIL
2. - CENTERED AT TIP OF SOIL GORE, LOCATED BETWEEN ROADWAY AND EXIT RAMP
3. - 6' FROM EDGE OF SHOULDER



GM-4, SR 1 SOUTHBOUND



GM-5, SR 1 SOUTHBOUND

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	
COUNTY		
KENT	CHECKED BY:	

GROUND MOUNT DETAILS

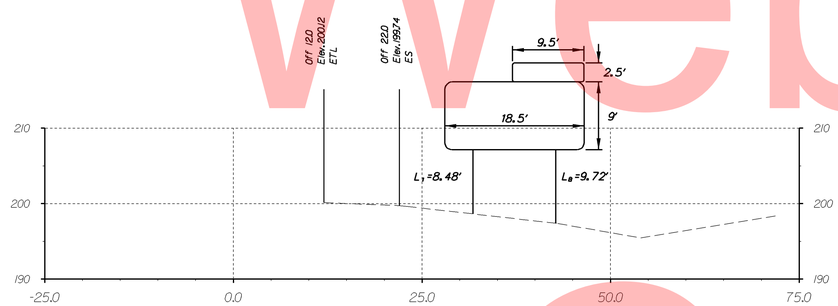
SHEET NO.
175
TOTAL SHTS.
183

$DATE$
$FILE$
$TIME$

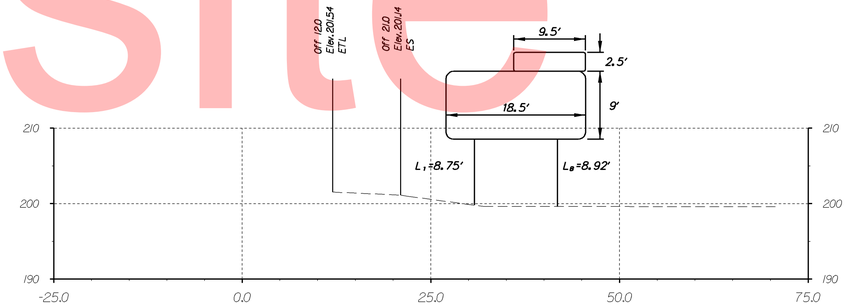
GROUND MOUNT SIGN REQUIREMENTS

G.M. SIGN NO.	SHEET NO.	SUPPORT TYPE	BW OR NBW	SUPPORT L-1	SUPPORT L-2	SUPPORT L-3	LATERAL CLEARANCE CODE	POST SPACING	L_B	SIGN PANEL WIDTH	SIGN PANEL HEIGHT
GM-1	N/A	W6X15	BW	17'-6"	21'-3"	N/A	3	5'-6"	9'-9"	18'-6"	9'-0"
GM-2	N/A	W6X15	BW	17'-9"	20'-5"	N/A	3	5'-6"	8'-11"	18'-6"	9'-0"

CLEARANCE CODE
1. - 4' BEHIND FACE OF GUARDRAIL
2. - CENTERED AT TIP OF SOIL GORE, LOCATED BETWEEN ROADWAY AND EXIT RAMP
3. - 6' FROM EDGE OF SHOULDER



GM-1, SR 1 NORTHBOUND



GM-2, SR 1 NORTHBOUND

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T200412201	DESIGNED BY:	
COUNTY		
KENT	CHECKED BY:	

GROUND MOUNT DETAILS

SHEET NO. 176
TOTAL SHTS. 183

$DATE$
$TIME$
$FILE$

INDEX OF SIGN STRUCTURE SHEETS	
SHEET Nº	TABLE OF CONTENTS
164	SIGN STRUCTURE NOTES
165	SC 2024 & SC 2025 PLAN & ELEVATION
166	FOUNDATION DETAILS
167	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 1 OF 2
168	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 2 OF 2
169	SOIL BORING LOGS
TOTAL SIGN STRUCTURE SHEETS: 6	

SIGN STRUCTURE SCHEDULE					
STRUCTURE NUMBER	ELEMENT	DIAMETER (IN)	THICKNESS (IN)	LENGTH (FT)	CAMBER (IN)
SC 2024/ SC 2025	POST	20	¾	23.67	1.08
	CHORD	12.75	½	24.5	
	STRUT	3.5	¼	VARIES	
	GUSSET PLATE	N.A.	½	VARIES	

A. DESIGN CRITERIA

DESIGN SPECIFICATIONS

2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION WITH 2008 & 2009 INTERIM REVISIONS.

2009 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.

DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2001, INCLUDING ALL SUPPLEMENTS.

DESIGN LOADS

DESIGN WIND VELOCITY..... 100 MPH
DESIGN ICE LOAD..... 3 PSF
FLAT PANEL SIGN AREAS WERE INCREASED 15% FOR ANALYSIS.

FATIGUE LOADS

ALL STRUCTURAL DETAILS HAVE BEEN DESIGNED FOR FATIGUE CATEGORY I IMPORTANCE FACTOR VALUE OF 1.0 AS DESIGNATED IN THE ABOVE AASHTO SPECIFICATIONS.
SIGN STRUCTURES WERE DESIGNED FOR THE FOLLOWING FATIGUE DESIGN LOADS:
GALLOPING (CANTILEVER STRUCTURES ONLY), TRUCK INDUCED GUST, AND NATURAL WIND GUST.

CONCRETE DESIGN STRESS

SPECIFIED COMPRESSIVE STRENGTH (f'c)(CLASS B).... 3,000 PSI
EXTREME FIBER COMPRESSIVE STRESS (f'c)..... 1,200 PSI
MIX REQUIREMENTS SHALL CONFORM TO SECTION 812 OF THE SPECIFICATIONS.
ALL EXPOSED EDGES SHALL BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE ANY APPROVED CONCRETE ADDITIVES OR HEATING TECHNIQUES TO MAINTAIN THE PROPER TEMPERATURE FOR ANY CONCRETE POURED DURING COLD WEATHER.
PAYMENT SHALL BE INCIDENTAL TO THE RESPECTIVE CONCRETE BID ITEM.

BAR REINFORCEMENT

REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60. ALL REINFORCING STEEL SHALL HAVE A CLEAR COVER OF 2", UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL REINFORCING STEEL SHALL BE PROTECTED WITH FUSION BONDED EPOXY. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO AASHTO M284 (ASTM D3963), AND IS DENOTED WITH A SUFFIX 'E' IN THE BAR MARKS.

CAMBER

PERMANENT CAMBER EQUAL TO L/1000 HAS BEEN PROVIDED IN ADDITION TO THE DEAD LOAD CAMBER.

B. MATERIALS

I. STEEL

STEEL PIPE SHALL BE CERTIFIED BY MILL TEST REPORT TO MEET ASTM SPECIFICATION A53, TYPE S, GRADE B OR A500 GRADE B WITH THE EXCEPTION THAT AP15L, GRADE B MAY BE USED WHEN THE SPECIFIED WALL THICKNESS IS GREATER THAN 1/2". ONLY ELECTRICAL RESISTANCE WELDED (ERW) MANUFACTURED SINGLE SHAM PIPE IS PERMITTED. HOWEVER, WHEN THE REQUIRED PIPE SIZE IS GREATER THAN 24", DOUBLE SEAM PIPE MAY BE USED. A MILL TEST REPORT MUST BE PROVIDED, CERTIFIED AND SIGNED BY THE PIPE MANUFACTURER, CONTAINING PHYSICAL AND CHEMICAL PROPERTIES AND THE MANUFACTURING PROCESS USED TO PRODUCE THE PIPE.

ALL OTHER STEEL SHALL CONFORM TO ASTM SPECIFICATION A709 (AASHTO M270) GRADE 36 OR BETTER. ALL SPECIFIED STEEL PLATES SHALL MEET SUPPLEMENTARY REQUIREMENTS FOR NOTCH TOUGHNESS (CHARPY TESTING, ZONE #2).

UPON COMPLETION OF FABRICATION, THE FABRICATOR SHALL PROVIDE A NOTARIZED CERTIFICATION OF COMPLIANCE AS PER SPECIFICATIONS, INCLUDING A LEGIBLE COPY OF ALL MILL TEST REPORTS FOR MATERIALS INCORPORATED INTO THE WORK.

STEEL ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM SPECIFICATION F1554, GRADE 55. THE ANCHOR BOLTS SHALL BE HOT DIP GALVANIZED AS PER ASTM SPECIFICATION A153 (AASHTO M232), CLASS C.

CHORD SPLICE ASSEMBLY FASTENERS SHALL BE HIGH STRENGTH STEEL CONFORMING TO ASTM SPECIFICATION A325 AND SHALL BE HOT DIPPED GALVANIZED AS PER ASTM SPECIFICATION A153, CLASS C. ALL OTHER FASTENERS SHALL BE STAINLESS STEEL CONFORMING TO ASTM SPECIFICATION A320, GRADE B8, CLASS 1.

CAPS FOR THE ENDS OF CHORDS AND TOPS OF POSTS SHALL BE STEEL CONFORMING TO ASTM SPECIFICATION A709 (AASHTO M270) GRADE 36 OR BETTER AND SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM SPECIFICATION A123.

WELDING OF STEEL SHALL BE AS SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS.

AFTER COMPLETE FABRICATION, EACH STEEL SECTION SHALL BE HOT DIP GALVANIZED ACCORDING TO THE REQUIREMENTS OF ASTM A123. A SINGLE DIP GALVANIZING PROCESS IS PREFERRED IF SIZE PERMITS.

REFER TO THE DELDOT STANDARD SPECIFICATIONS FOR CRITERIA ON FURNISHING MATERIALS OTHER THAN SPECIFIED ABOVE.

II. ALUMINUM

ALUMINUM SHALL CONFORM TO THE ASTM SPECIFICATIONS AND ALLOYS LISTED BELOW:

APPLICATION	ASTM SPECIFICATION	ASTM ALLOY
ROLLED OR EXTRUDED SHAPES	B308	6061-T6
PLATES	B209	6061-T6
DRAWN SEAMLESS TUBES	B210	6061-T6
EXTRUDED TUBES	B221	6061-T6

WELDING OF ALUMINUM SHALL BE AS SPECIFIED IN AWS D1.2, CURRENT EDITION AND SPECIFICATIONS

THE SIGN PANEL SHALL BE INSTALLED LEVEL AND VERTICALLY CENTERED BETWEEN CHORDS. THE CONTRACTOR MAY FIELD DRILL THE SIGN SUPPORTS AS REQUIRED TO ACHIEVE THIS.

III. SIGN PANEL SUPPORTS

SIGN HANGERS SHALL BE STEEL OR ALUMINUM.
THE STEEL SHALL CONFORM TO ASTM A709 GRADE 36 OR BETTER AND SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM SPECIFICATION A123. STEEL SURFACES SHALL BE PREVENTED FROM COMING INTO CONTACT WITH ALUMINUM SURFACES BY MEANS OF APPROVED PADS PLACED BETWEEN DISSIMILAR METALS.
CONNECTING U BOLTS SHALL BE STAINLESS STEEL CONFORMING TO THE SPECIFICATIONS.
SIGN HANGERS SHALL BE PAID UNDER ITEM 605664.

IV. MISCELLANEOUS MATERIALS

ALL COST OF MISCELLANEOUS MATERIALS USED OTHER THAN NOTED SHALL BE INCLUDED IN THE PRICE FOR THE APPROPRIATE SIGN STRUCTURE ITEM AT NO ADDITIONAL COST TO THE DEPARTMENT.

C. MISCELLANEOUS

WORKING DRAWINGS FOR FOUNDATIONS, STRUCTURAL STEEL AND SIGN ATTACHMENTS SHALL BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 105.02 OF THE STANDARD SPECIFICATIONS.

SIGN STRUCTURES SHALL BE SHOP-ASSEMBLED TO ENSURE PROPER FIT OF SPLICE BOLTS IN THE FIELD.

ALL WELDING SHALL BE SUBJECTED TO NON-DESTRUCTIVE TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE ANSI/AASHTO/AWS D1.5-08 BRIDGE WELDING CODE. WELDS IN MAIN MEMBERS SHALL BE ULTRASONICALLY INSPECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

AFTER THE SIGN STRUCTURE HAS BEEN ERECTED AND FULLY LOADED INCLUDING SIGN PANELS, THE FOUNDATION ANCHORAGE NUTS SHALL BE RETIGHTENED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF SECTION 605 OF THE STANDARD SPECIFICATIONS.

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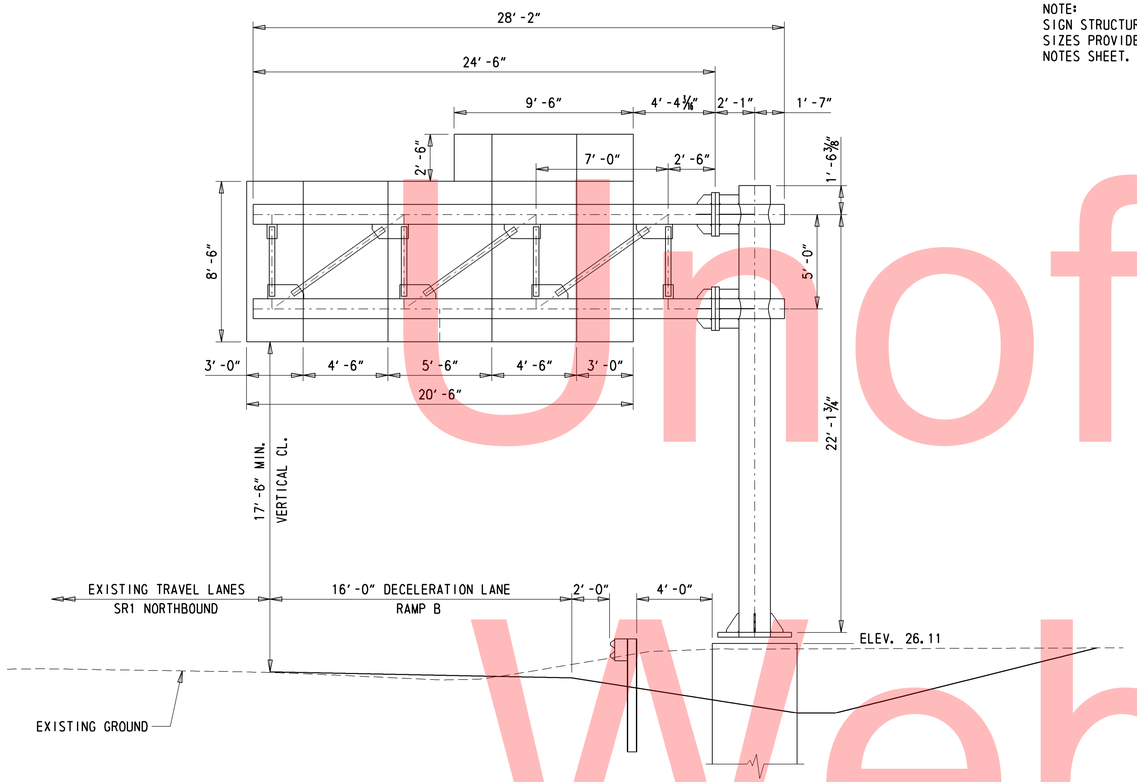
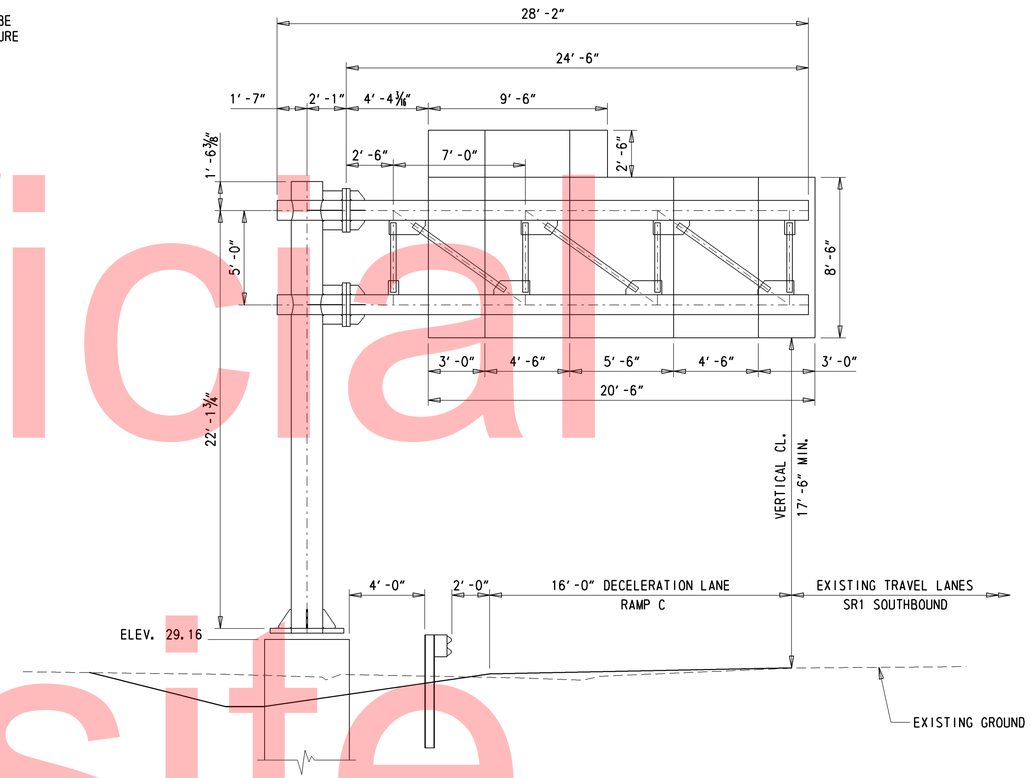
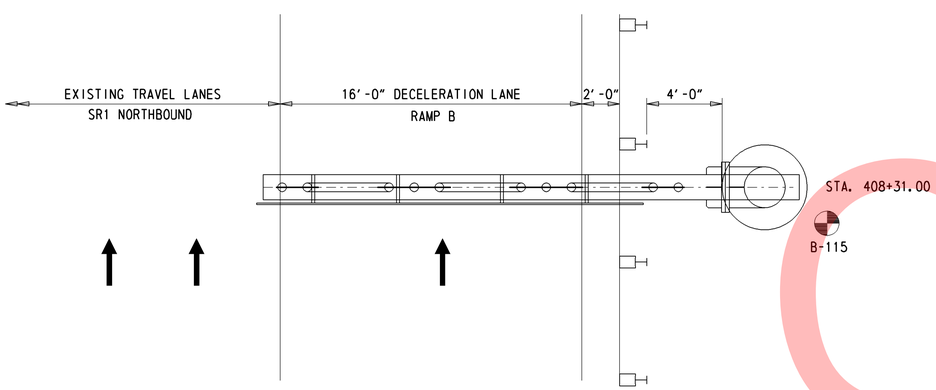
NOTE:
SIGN STRUCTURE SCHEDULE OF TUBE SIZES PROVIDED ON SIGN STRUCTURE NOTES SHEET.



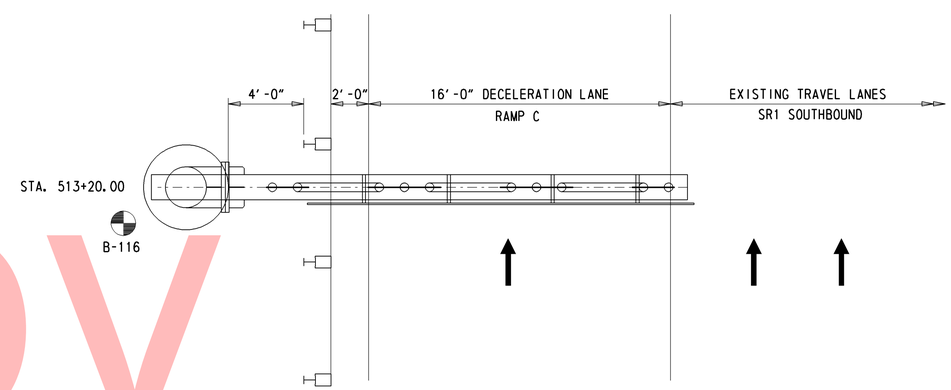
SC 2024 ELEVATION
1/4" = 1'-0"



SC 2025 ELEVATION
1/4" = 1'-0"



SC 2024 PLAN
1/4" = 1'-0"



SC 2025 PLAN
1/4" = 1'-0"

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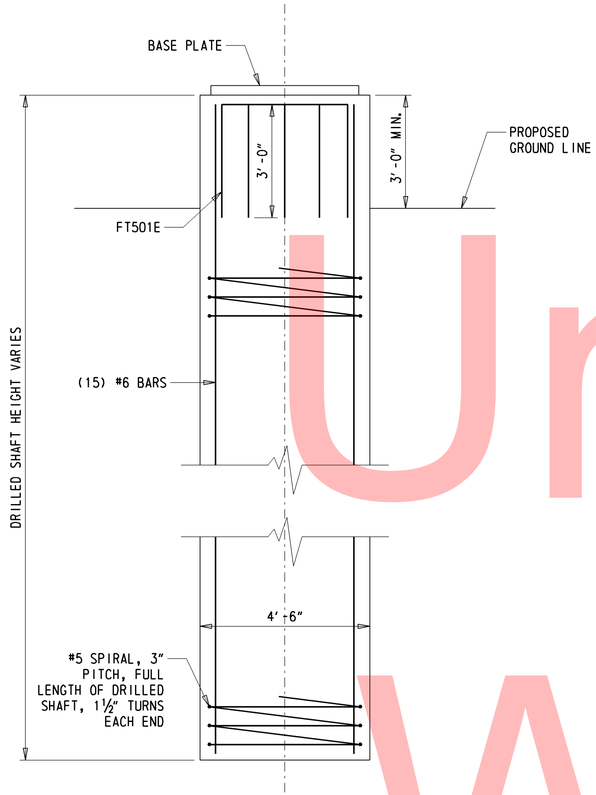
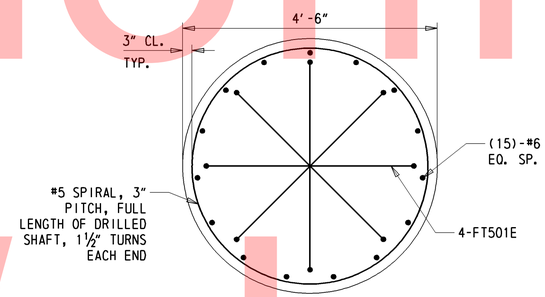
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE: AS NOTED	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT 24-122-01	BRIDGE NO. SC 2024/2025	SC 2024 & SC 2025 PLAN AND ELEVATION	SHEET NO. 178
				COUNTY KENT	DESIGNED BY: EM		TOTAL SHTS. 183
					CHECKED BY:		



ELEVATION

½" = 1'-0"



PLAN

¾" = 1'-0"

CANTILEVER DRILLED SHAFT DETAILS

DRILLED SHAFT SCHEDULE				
STRUCTURE NUMBER	SHAFT HEIGHT	DIAMETER (FT)	REINFORCING LENGTH	
			VERTICAL	SPIRAL
SC 2024	20	4.5	19.5	19.5
SC 2025	20	4.5	19.5	19.5

NOTES:

1. ALL ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION AND CONSTRUCTION.
2. APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM SPIRALS TO ENSURE THAT THE REQUIRED CLEAR DISTANCE TO THE CASING IS MAINTAINED.
3. COST OF SOIL EXCAVATION, REINFORCING STEEL AND CONCRETE IN DRILLED SHAFT SHALL BE INCLUDED IN THE PRICE FOR ITEM 618526 - DRILLED SHAFT FOUNDATION AT NO ADDITIONAL COST TO THE DEPARTMENT.
4. IT IS THE RESPONSIBILITY OF THE PROSPECTIVE CONTRACTORS AND SUBCONTRACTORS TO INSPECT THE SITES IN THE FIELD WHERE DRILLED SHAFTS WILL BE BUILT PRIOR TO SUBMITTING THEIR PROPOSALS, TO DETERMINE THE ACCESSIBILITY TO THE VARIOUS LOCATIONS, ASCERTAIN THE CONDITIONS UNDER WHICH THE WORK WILL BE CONDUCTED, AND ESTABLISH THE EQUIPMENT THAT WILL BE REQUIRED TO EXPEDITIOUSLY PERFORM THE WORK, INCLUDING WORK IN ANY AREAS WITH LOW OVERHEAD AND/OR NEAR HIGH TENSION POWER LINES OR ADJACENT TO ACTIVE TRAFFIC.
5. DRILLED SHAFT INSTALLATIONS SHALL BE PERFORMED BY A SPECIALTY CONTRACTOR EXPERIENCED IN DRILLED FOUNDATION CONSTRUCTION WITH SUITABLE EQUIPMENT AND COMPETENT PERSONNEL. THE SPECIALTY CONTRACTOR SHALL BE SUBJECT TO ENGINEER APPROVAL.
6. SOILS BENEATH EXISTING GROUND SURFACE MAY CONTAIN OBSTRUCTIONS, SUCH AS COBBLES AND BOULDERS. CLASSIFICATION SHALL BE BASED ON SECTION 205.02 OF THE STANDARDS AND SOIL OR ROCK EXCAVATION PAID ACCORDINGLY.
7. CONSTRUCTION OF DRILLED SHAFT FOUNDATIONS MAY REQUIRE THE USE OF TEMPORARY CASING. THE LENGTH OF DRILLED SHAFT SHALL BE ADJUSTED IN THE FIELD AS REQUIRED.
8. IF DRILLED SHAFT EXCAVATION IS UNSHORED (TEMPORARY CASING) CONCRETE SHALL BE PLACED IN THE SAME WORKING DAY AS EXCAVATION TAKES PLACE.

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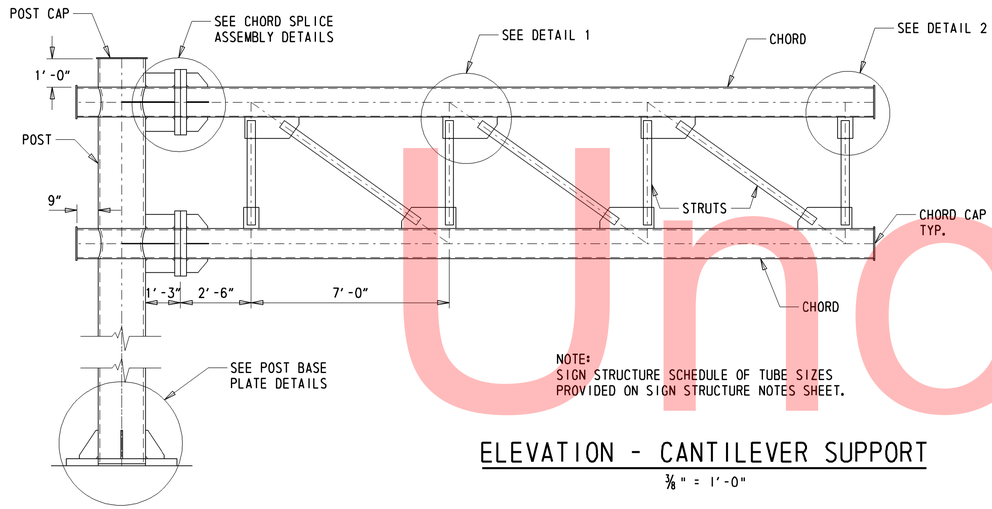
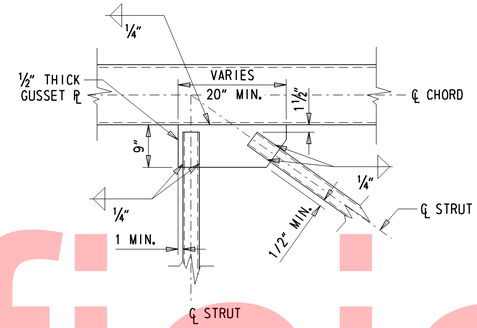


NOTE:
SIGN STRUCTURE SCHEDULE OF TUBE SIZES PROVIDED ON SIGN STRUCTURE NOTES SHEET.

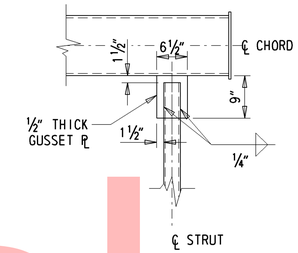
ELEVATION - CANTILEVER SUPPORT

3/8" = 1'-0"



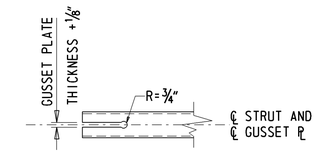
DETAIL 1

3/4" = 1'-0"



DETAIL 2

3/4" = 1'-0"



DETAIL A

3/4" = 1'-0"

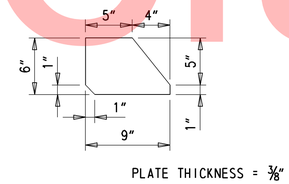
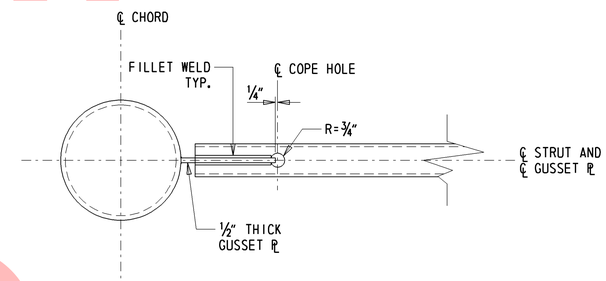


PLATE THICKNESS = 3/8"

BRACKET PLATE DETAIL

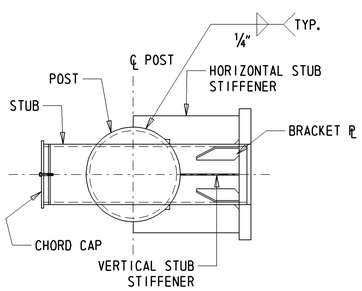
1 1/2" = 1'-0"

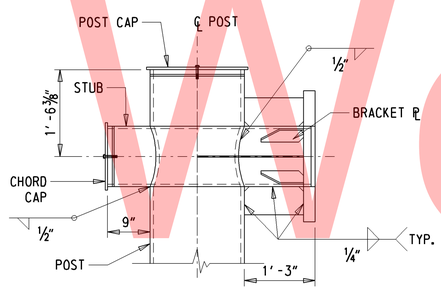


NOTE: COPE HOLES TO BE PROVIDED AT BOTH ENDS AND BOTH FACES OF ALL STRUTS.

COPE HOLE DETAIL

1 1/2" = 1'-0"





POST-STUB CONNECTION DETAILS

3/4" = 1'-0"

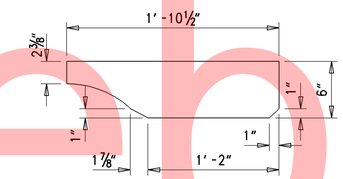


PLATE THICKNESS = 3/8"

HORIZONTAL STUB STIFFENER DETAIL

1 1/2" = 1'-0"

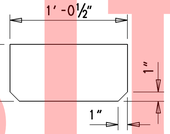
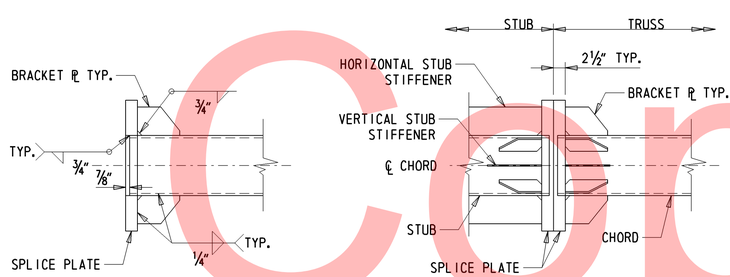


PLATE THICKNESS = 3/8"

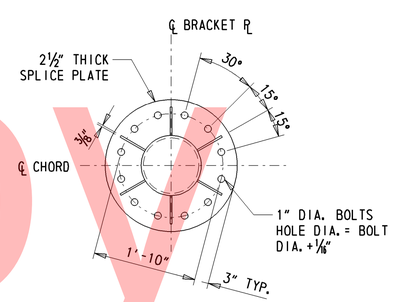
VERTICAL STUB STIFFENER DETAIL

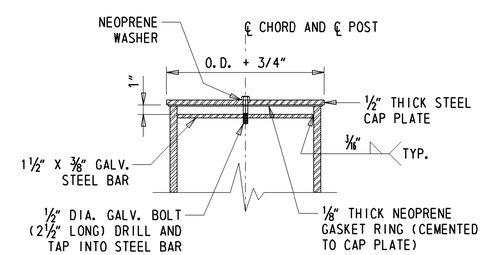
1 1/2" = 1'-0"



CHORD SPLICE ASSEMBLY DETAILS

3/4" = 1'-0"





POST OR CHORD CAP DETAIL

1 1/2" = 1'-0"

NOTES:

1. HORIZONTAL AND VERTICAL STUB STIFFENER PLATE DIMENSIONS MAY BE VARIED TO ACCOUNT FOR CAMBER.
2. CHORD INTERMEDIATE SPLICING SHALL NOT BE PERMITTED.
3. THE THREADED PORTION OF THE SPLICE BOLTS SHALL BE EXCLUDED FROM THE SHEAR PLANE OF THE SPLICE.
4. ASTM A325 SPLICE BOLTS SHALL BE HEAVY HEXAGON TYPE AND SHALL BE FURNISHED WITH HEAVY HEXAGON NUTS AND WASHERS.
5. REFER TO SECTION 605 OF THE STANDARD SPECIFICATIONS FOR THE SPLICE BOLT TIGHTENING PROCEDURES.

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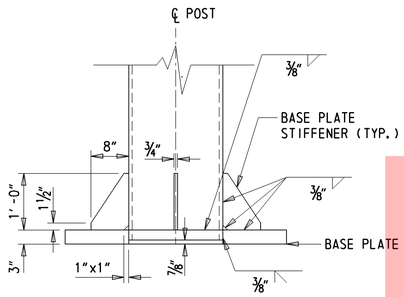
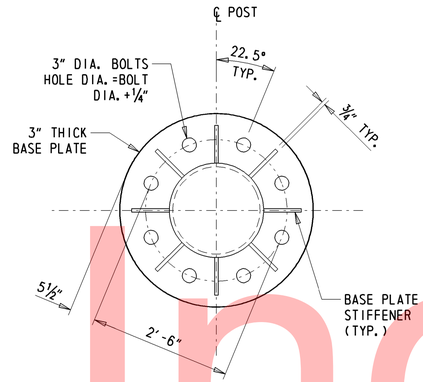
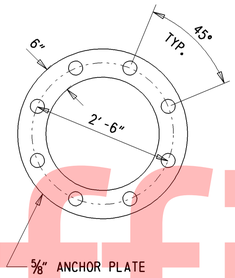
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE: AS NOTED	SR1, THOMPSONVILLE GRADE SEPARATED INTERSECTION	CONTRACT 24-122-01 / COUNTY KENT	STRUCTURE NO. SC 2024/2025 / DESIGNED BY: E.M. / CHECKED BY:	CANTILEVERED SIGN STRUCTURE DETAILS SHEET 1 OF 2	SHEET NO. 180 / TOTAL SHTS. 183





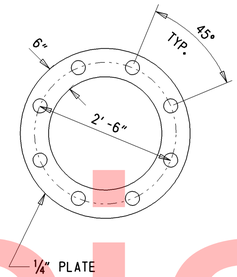
POST BASE PLATE DETAILS

3/4" = 1'-0"



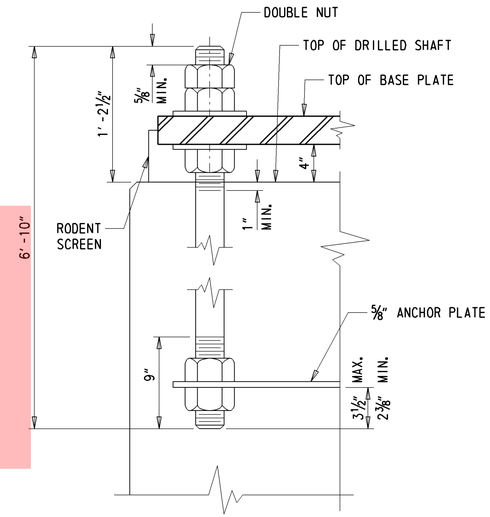
ANCHOR PLATE DETAIL

3/4" = 1'-0"



TEMPLATE PLATE DETAIL

3/4" = 1'-0"

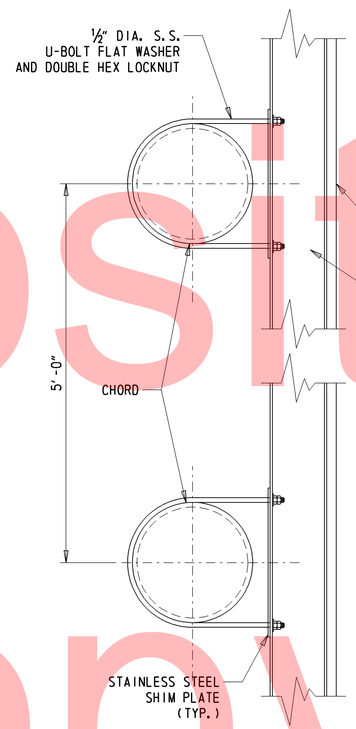


ANCHOR BOLT DETAIL

1 1/2" = 1'-0"

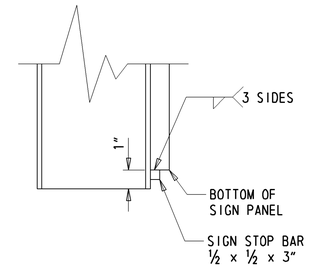
POST BASE NOTES:

1. TEMPLATE PLATE WITH NUTS ON BOTH SIDES SHALL BE USED TO MAINTAIN THE SPACING AND ALIGNMENT OF ANCHOR BOLTS. TEMPLATE SHALL NOT BE REMOVED UNTIL CONCRETE HAS ACHIEVED FULL DESIGN STRENGTH.
2. ANCHOR BOLTS SHALL BE PROVIDED WITH FIVE HEAVY HEXAGON NUTS AND TWO WASHERS AS SHOWN ON THE ANCHOR BOLT DETAIL.
3. ANCHOR BOLTS SHALL BE GALVANIZED AFTER THREADING.
4. REFER TO SPECIFICATIONS FOR ANCHOR BOLTS TIGHTENING PROCEDURES.
5. APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM SPIRALS TO ENSURE THE REQUIRED CLEAR DISTANCE TO THE CASING IS MAINTAINED.
6. RODENT SCREEN TO BE PLACED AROUND CIRCUMFERENCE OF BASEPLATE.



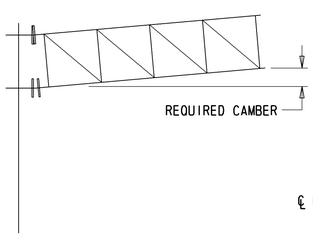
TYPICAL SIGN HANGER DETAIL

1 1/2" = 1'-0"



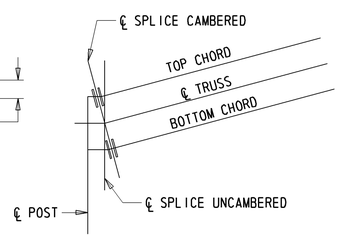
SIGN STOP DETAIL

3" = 1'-0"



CAMBER DIAGRAM

N.T.S



CAMBER DETAIL

N.T.S.

CAMBER NOTE:

CAMBER SHALL BE OBTAINED BY SHORTENING THE TOP CHORD STUB LENGTH AND LENGTHENING THE BOTTOM CHORD STUB LENGTH. CHORD SPLICE PLATES SHALL BE SKEWED ACCORDINGLY BEFORE WELDING TO CHORDS. NO FORCE SHALL BE APPLIED IN PROVIDING CAMBER. AN ALTERNATE METHOD OF OBTAINING CAMBER MAY BE USED AS APPROVED BY THE ENGINEER. FOR REQUIRED CAMBER SEE SCHEDULE OF STRUCTURES.

SIGN HANGER NOTES:

1. LENGTH OF SIGN HANGERS SHALL BE EQUAL TO THE SIGN PANEL HEIGHT PLUS 1" AT BOTTOM FOR STOP BAR.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT SIGN PANEL TO SIGN HANGER CONNECTION DETAILS FOR ENGINEER APPROVAL.
3. ALL SHIM PLATES, BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL CONFORMING TO ASTM SPECIFICATION A320 GRADE B8, CLASS 1.
4. ALUMINUM I-BEAMS (DEPTH = 4", WEB AND FLANGE THICKNESS = 1/4", FLANGE WIDTH = 3 1/2").
5. MODIFICATIONS TO ANY TRUSSING-CHORD GUSSET PLATE CONNECTION IN ORDER TO ACCOMMODATE SIGN PANEL SUPPORTS SHALL NOT BE PERMITTED.
6. SIGN HANGERS SHALL BE INCIDENTAL TO ITEM 605664.

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BORING: B # 115 | **DATE DRILLED:**
STATION: | **OFFSET:** | **ELEVATION:** | **NORTHING:** 653337.050 | **EASTING:** 347909.985
COMMENTS: N/A

NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
1	0.0	2, 4, 6, 8	MOIST STIFF TAN FINE TO COARSE SANDY CLAY W/SOME SILT, TRACE FINE GRAVEL.	A-7-6(5)	
2	0.0	6, 6, 13, 12	MOIST MEDIUM DENSE BROWN SILTY FINE TO COARSE SAND W/TRACE FINE GRAVEL.	A-2-4(0)	
3	2.0	6, 15, 18, 17	MOIST DENSE TAN COARSE TO FINE SAND W/SOME SILT, TRACE FINE GRAVEL.	A-1-B	
4	4.0	10, 14, 19, 19	MOIST DENSE TAN COARSE SAND W/SOME SILT AND FINE SAND, TRACE FINE GRAVEL.	A-1-B	
5	6.0	5, 6, 5, 7	MOIST MEDIUM DENSE TAN COARSE SAND W/SOME SILT, FINE SAND AND FINE GRAVEL.	A-1-B	
6	8.0	6, 5, 5, 6	MOIST LOOSE TAN COARSE SAND W/SOME FINE GRAVEL AND FINE SAND, TRACE SILT.	A-1-B	
7	10.0	4, 5, 4, 4	WET LOOSE TAN COARSE SAND W/SOME FINE SAND, TRACE SILT AND FINE GRAVEL.	A-1-B	
8	12.0	6, 6, 7, 6	WET MEDIUM DENSE TAN COARSE TO FINE SAND W/SOME SILT AND FINE GRAVEL.	A-1-B	
9	14.0	4, 5, 5, 8	WET MEDIUM DENSE TAN COARSE SAND W/SOME FINE SAND, TRACE FINE GRAVEL AND SILT.	A-1-B	
10	16.0	5, 8, 10, 9	WET MEDIUM DENSE TAN FINE GRAVELLY COARSE SAND W/SOME FINE SAND AND SILT.	A-1-B	
11	18.0	10, 9, 11, 9	WET MEDIUM DENSE TAN COARSE TO FINE SANDY FINE GRAVEL W/SOME SILT.	A-1-B	
12	20.0	8, 11, 9, 8	WET MEDIUM DENSE TAN COARSE SANDY FINE GRAVEL W/SOME FINE SAND, TRACE SILT.	A-1-B	
13	22.0	9, 7, 4, 2	WET MEDIUM DENSE TAN COARSE SAND AND FINE GRAVEL W/SOME FINE SAND AND SILT.	A-1-B	
14	24.0	4, 4, 6, 6	WET LOOSE TAN FINE GRAVELLY FINE TO COARSE SAND W/TRACE SILT.	A-1-B	
15	26.0	6, 15, 12, 6	WET MEDIUM DENSE TAN FINE GRAVELLY FINE TO COARSE SAND W/SOME SILT.	A-2-4(0)	
	28.0 30.0		END OF BORING		

BORING: B # 116 | **DATE DRILLED:**
STATION: | **OFFSET:** | **ELEVATION:** | **NORTHING:** 652876.027 | **EASTING:** 348628.013
COMMENTS: BORING OFFSET 20' W/O STAKED LOCATION DUE TO OVERHEAD WIRES.

NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
1	0.0	9, 11, 10	MOIST MEDIUM DENSE TAN CLAYEY FINE TO COARSE SAND W/TRACE SILT AND FINE GRAVEL.	A-2-6(1)	
2	0.5	14, 12, 10, 8	MOIST MEDIUM DENSE BROWN SILTY FINE TO COARSE SAND W/TRACE FINE GRAVEL.	A-2-4(0)	
3	2.0	9, 7, 12, 15	MOIST VERY STIFF TAN FINE TO COARSE SANDY SILT W/TRACE FINE GRAVEL.	A-4(0)	
4	4.0	8, 9, 8, 8	MOIST VERY STIFF TAN FINE SANDY SILT W/SOME CLAY AND COARSE SAND, TRACE FINE GRAVEL.	A-4(0)	
5	6.0	10, 8, 8, 15	MOIST MEDIUM DENSE TAN FINE TO COARSE SAND W/SOME SILT AND FINE GRAVEL.	A-2-4(0)	
6	8.0	7, 10, 9, 6	MOIST MEDIUM DENSE GRAY SILTY FINE TO COARSE SAND W/TRACE FINE GRAVEL.	A-2-4(0)	
7	10.0	10, 4, 4, 6	WET LOOSE TAN SILTY FINE SAND W/TRACE COARSE SAND AND FINE GRAVEL.	A-2-4(0)	
8	12.0	3, 2, 3, 3	WET LOOSE TAN SILTY FINE SAND W/TRACE COARSE SAND AND FINE GRAVEL.	A-2-4(0)	
9	14.0	1, 1, 2, 3	WET SOFT TAN FINE SANDY SILT W/TRACE COARSE SAND.	A-4(0)	
	16.0	3			
	18.0	4			
11	18.0	2, 4, 4, 4	WET FIRM BROWN FINE SANDY SILT W/TRACE CLAY.	A-4(0)	
12	20.0	2, 3, 6, 5	WET STIFF BROWN FINE SANDY SILT W/TRACE FINE GRAVEL, COARSE SAND AND CLAY.	A-4(0)	
13	22.0	2, 4, 7, 12	WET MEDIUM DENSE BROWN SILTY FINE SAND W/TRACE FINE GRAVEL AND COARSE SAND.	A-2-4(0)	
14	24.0	5, 7, 9, 8	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/TRACE SILT AND FINE GRAVEL.	A-1-B	
15	26.0	7, 8, 9, 7	WET MEDIUM DENSE TAN COARSE TO FINE SAND W/TRACE FINE GRAVEL AND SILT.	A-1-B	
	28.0 30.0		END OF BORING		

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

S.R. 1, THOMPSONVILLE GRADE SEPARATED INTERSECTION

CONTRACT: 24-122-01
COUNTY: KENT
BRIDGE NO. SC 2024/2025
DESIGNED BY: EM
CHECKED BY:

BORING LOG

SHEET NO. 182
TOTAL SHTS. 183

PHASE 1 & 2

EARTHWORK SUMMARY	
EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	66,700 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	13,181 C.Y.
TOTAL EXCAVATION	68,817 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	5,118 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	46,062 C.Y.
EXCAVATION MEETING TOPSOIL	13,181 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	7,580 C.Y.
BORROW TYPE 'F' REQUIRED	22,560 C.Y.
TOPSOIL REQUIRED	7,334 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-2,462 C.Y.
BORROW TYPE 'F'	23,502 C.Y.
TOPSOIL	5,847 C.Y.
UNSUITABLE MATERIAL	4,457 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 3

EARTHWORK SUMMARY	
EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	33,412 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	35,406 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	2,863 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	25,771 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	6,343 C.Y.
BORROW TYPE 'F' REQUIRED	113,343 C.Y.
TOPSOIL REQUIRED	5,270 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-3,480 C.Y.
BORROW TYPE 'F'	-87,572 C.Y.
TOPSOIL	-5,270 C.Y.
UNSUITABLE MATERIAL	6,772 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 4

EARTHWORK SUMMARY	
EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	0 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	4,114 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	218 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	1,963 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	0 C.Y.
BORROW TYPE 'F' REQUIRED	535 C.Y.
TOPSOIL REQUIRED	535 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	218 C.Y.
BORROW TYPE 'F'	1,428 C.Y.
TOPSOIL	-535 C.Y.
UNSUITABLE MATERIAL	1,933 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PROJECT TOTAL

EARTHWORK SUMMARY	
EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	100,113 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	13,181 C.Y.
TOTAL EXCAVATION	108,336 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	8,199 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	73,793 C.Y.
EXCAVATION MEETING TOPSOIL	13,181 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	13,923 C.Y.
BORROW TYPE 'F' REQUIRED	136,439 C.Y.
TOPSOIL REQUIRED	13,139 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-5,724 C.Y.
BORROW TYPE 'F'	-62,646 C.Y.
TOPSOIL	42 C.Y.
UNSUITABLE MATERIAL	13,163 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

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