SEQUENCE OF CONSTRUCTION

PHASE 2, STAGE 1

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PHASE 2 STAGE 1 CONSTRUCTION PHASING, MOT & EROSION CONTROL.

2. STABILIZE ALL DISTURBED AREAS WITH TOP SOIL SEED AND MULCH PRIOR TO THE REMOVAL OF THE SEDIMENT CONTROL DEVICES AS DIRECTED BY THE ENGINEER.

3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON I-95 NORTHBOUND, I-95 SOUTHBOUND, RAMP 2, EXISTING RAMP 3, RAMP 5 AND US 202 NORTHBOUND AND SOUTHBOUND, AS NECESSARY, AND REMOVE EXISTING RAISED PAVEMENT MARKERS ON US 202 SOUTHBOUND FROM STATION 1015+00 TO STATION 1023+14. PLACE TEMPORARY STRIPING ON I-95 NORTHBOUND, I-95 SOUTHBOUND RAMP 2, RAMP 3 AND RAMP 5 USING CASE 23-C AND ON US 202 NORTHBOUND AND SOUTHBOUND USING CASE 23-B AS SHOWN UNDER PHASE 2, STAGE 1.

4. DETOUR RAMPS 2 / 5 IN ACCORDANCE WITH THE RAMP *6172 DETOUR PLAN TO INSTALL NEW SIGN OVERLAY ON "202 NORTH" SIGN AT RAMP 5 STATION 26+20.

5. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 1.

6. ADJUST TEMPORARY SIGNAL AT THE US 202 AND NEW RAMP 7 INTERSECTION TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 1.

7. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE TEMPORARY CONCRETE BARRIER TO:
   - THE LEFT SIDE OF EXISTING RAMP 3 FROM STATION 2+90 TO STATION 4+55
   - THE RIGHT SIDE FO RAMP 3 FROM STATION 21+34 TO STATION 26+63
   - THE LEFT SIDE OF I-95 SOUTHBOUND FROM STATION 270+58 TO STATION 284+38
   - THE LEFT SIDE OF US 202 SOUTHBOUND FROM STATION 1013+50 TO STATION 1021+50

   RELOCATE ANY ADDITIONAL TEMPORARY CONCRETE BARRIER FROM PHASE 1, STAGE 4 OFF SITE.

8. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE PORTABLE IMPACT ATTENUATORS:
   - FROM I-95 NORTHBOUND STATION 545+72 TO I-95 SOUTHBOUND STATION 284+38
   - FROM EXISTING RAMP 3 STATION 22+22 TO EXISTING RAMP 3 STATION 21+34
   - FROM US 202 SOUTHBOUND STATION 1021+08 TO US 202 SOUTHBOUND STATION 1021+50
   - FROM US 202 SOUTHBOUND STATION 1010+61 TO EXISTING RAMP 3 STATION 2+90

   RELOCATE ANY ADDITIONAL PORTABLE IMPACT ATTENUATORS FROM PHASE 1, STAGE 4 OFF SITE.

9. CONSTRUCT THE RIGHT SIDE US 202 SOUTHBOUND FROM STATION 1020+48 (RAMP 3 STATION 230+00) TO STATION 1021+30, CONSTRUCT RAMP 3 FROM STATION 214+00 (I-95 SOUTHBOUND STATION 277+99) TO STATION 230+00 AND THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION 271+08 TO STATION 277+99. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, MILL AND OVERLAY I-95 SOUTHBOUND EXISTING TRAVEL LANES TO WEDGE UP TO NEWLY CONSTRUCTED PROPOSED PAVEMENT ELEVATION.

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11/8/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 58 OF 139

SHEET NO.
323
TOTAL SHTS.
482

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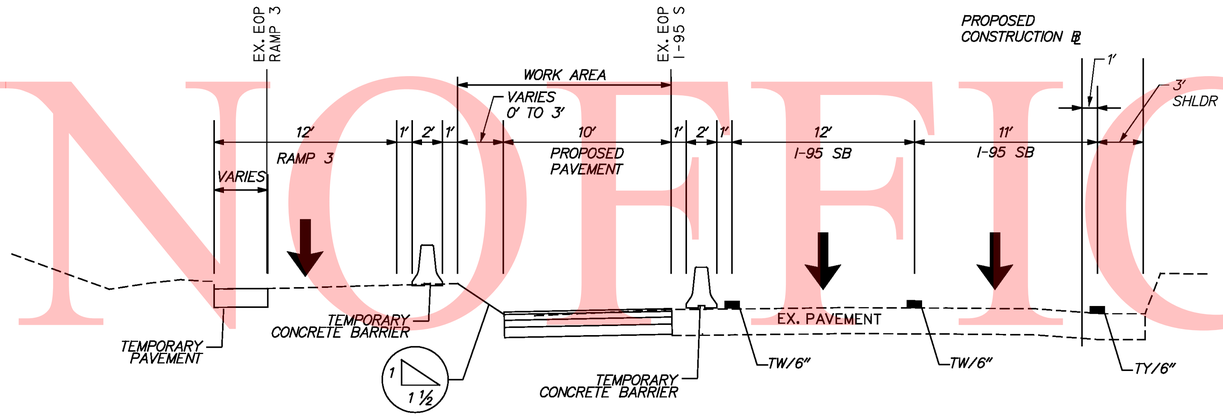
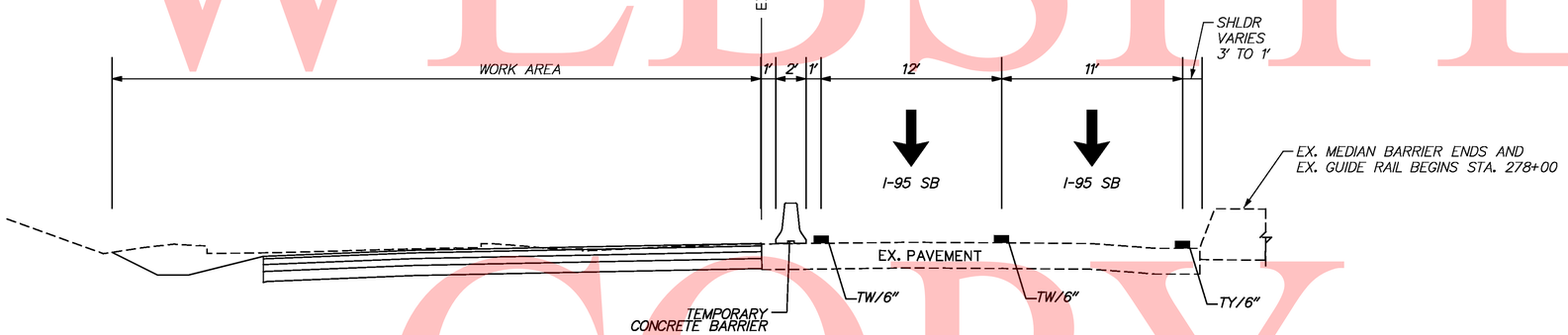


I-95 SOUTHBOUND / EXISTING RAMP 3

PROPOSED STA 271+08.55 TO STA 274+79.18



I-95 SOUTHBOUND

PROPOSED STA 274+79.18 TO STA 284+38.21

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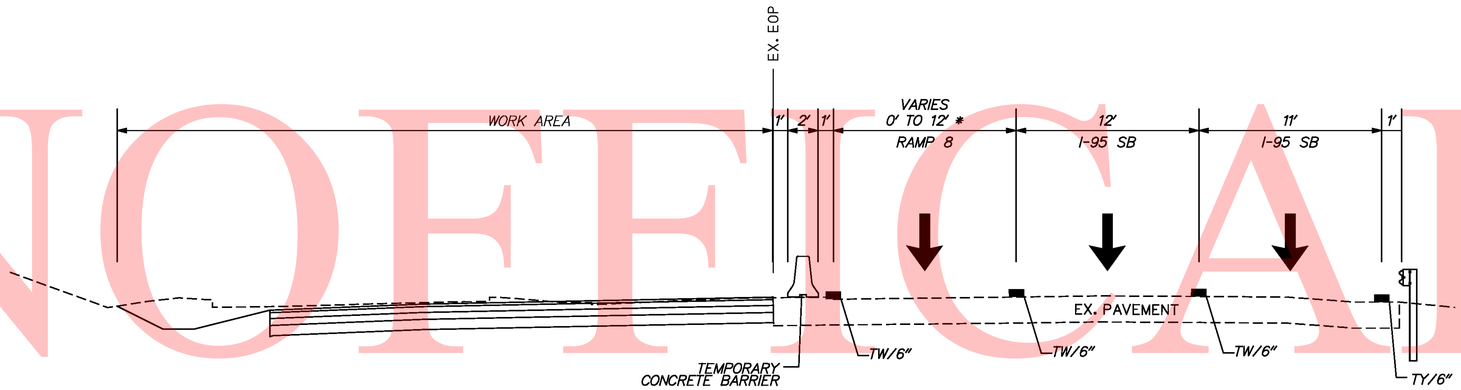
11/8/2010

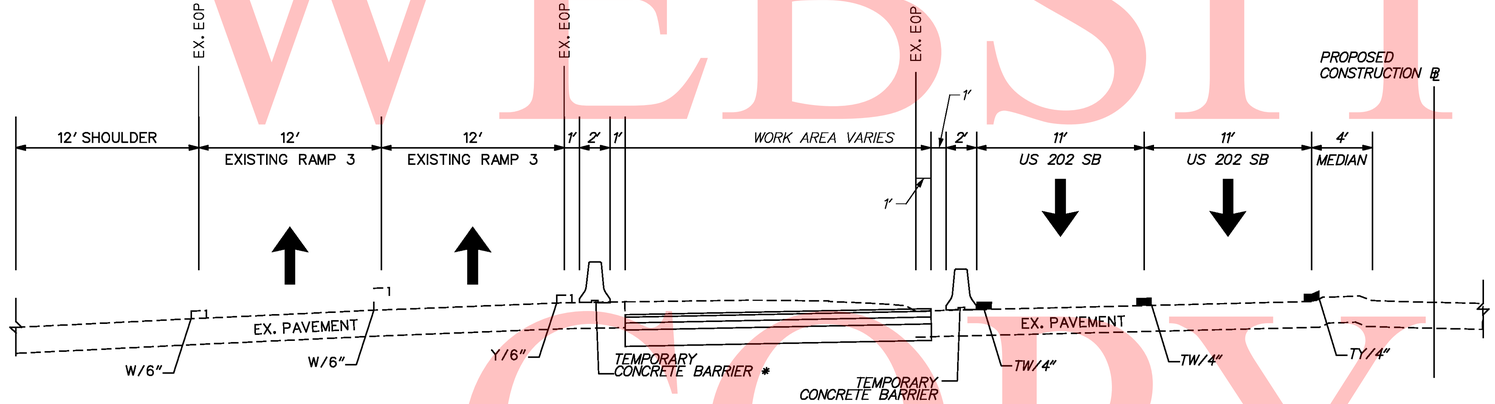
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 59 OF 139	SHEET NO. 324
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



I-95 SOUTHBOUND

* VARIES FROM 0' AT STA. 284+38 TO 12' AT STA. 286+88

STA. 284+38.21 TO STA. 293+50



* FROM U.S. 202 STA. 1020+00 TO STA. 1022+00

US 202 SOUTHBOUND

PROPOSED STA 1014+00 TO STA 1022+24

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 60 OF 139
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM	SHEET NO. 325
					CHECKED BY: KMC	TOTAL SHTS. 482

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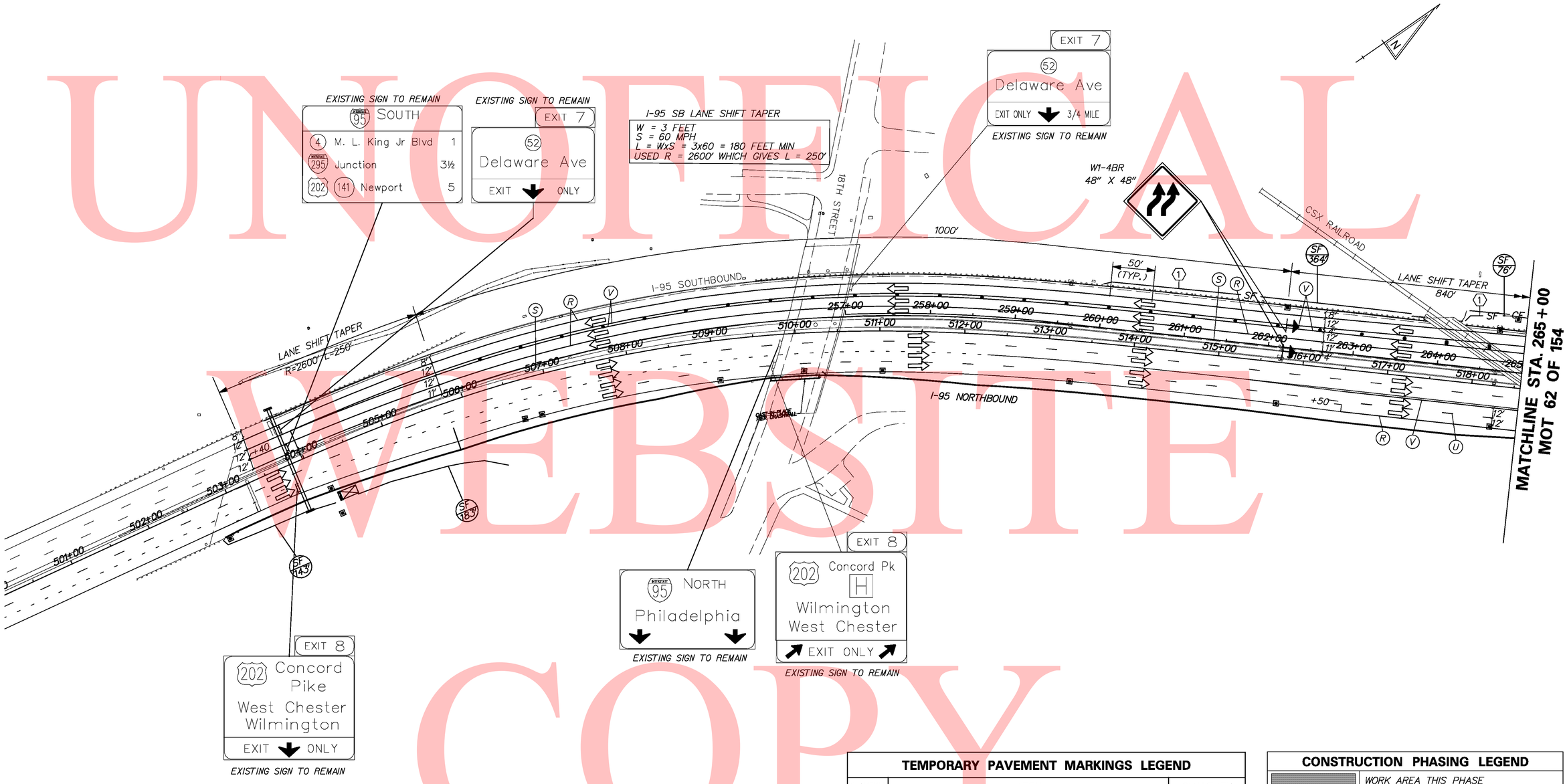
11/8/2010



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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,727 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,520 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	52 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	3,247 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 61 OF 139

SHEET NO. 326

TOTAL SHTS. 482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	6,983 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	4,668 LF
(U)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	560 LF
(V)	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,589 LF
(W)	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	77 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

RAMP 3 LANE SHIFT TAPER
W = 14 FEET
S = 60 MPH
L = WxS = 14x60 = 840 FEET

RAMP 3 LANE SHIFT TAPER
W = 5 FEET
S = 40 MPH
L = WxS = 5x40 = 200 FEET

MATCHLINE STA. 265+00
MOT 61 OF 154

MATCHLINE STA. 15+00
MOT 63 OF 154

MATCHLINE STA. 282+00
MOT 63 OF 154

MATCHLINE STA. 32+50
MOT 67 OF 154

MATCHLINE STA. 188+50
MOT 67 OF 154

I-95 SOUTHBOUND

I-95 NORTHBOUND

I-95 RAMP 3

I-95 RAMP 5

I-95 RAMP 6

LANE SHIFT TAPER L=840'

LANE SHIFT TAPER L=200'

BARRIER FLARE 15:1

CSX RAILROAD

STORM WATER DETENTION POND

EX. CONC. DITCH

202 NORTH
Concord Pike
West Chester

INSTALL PROPOSED SIGN THIS STAGE

202 SOUTH
Concord Pike
Wilmington

EXISTING SIGN TO REMAIN

UNOFFICIAL WEBSITE COPY

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12/9/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 62 OF 139

SHEET NO.
327
TOTAL SHTS.
482

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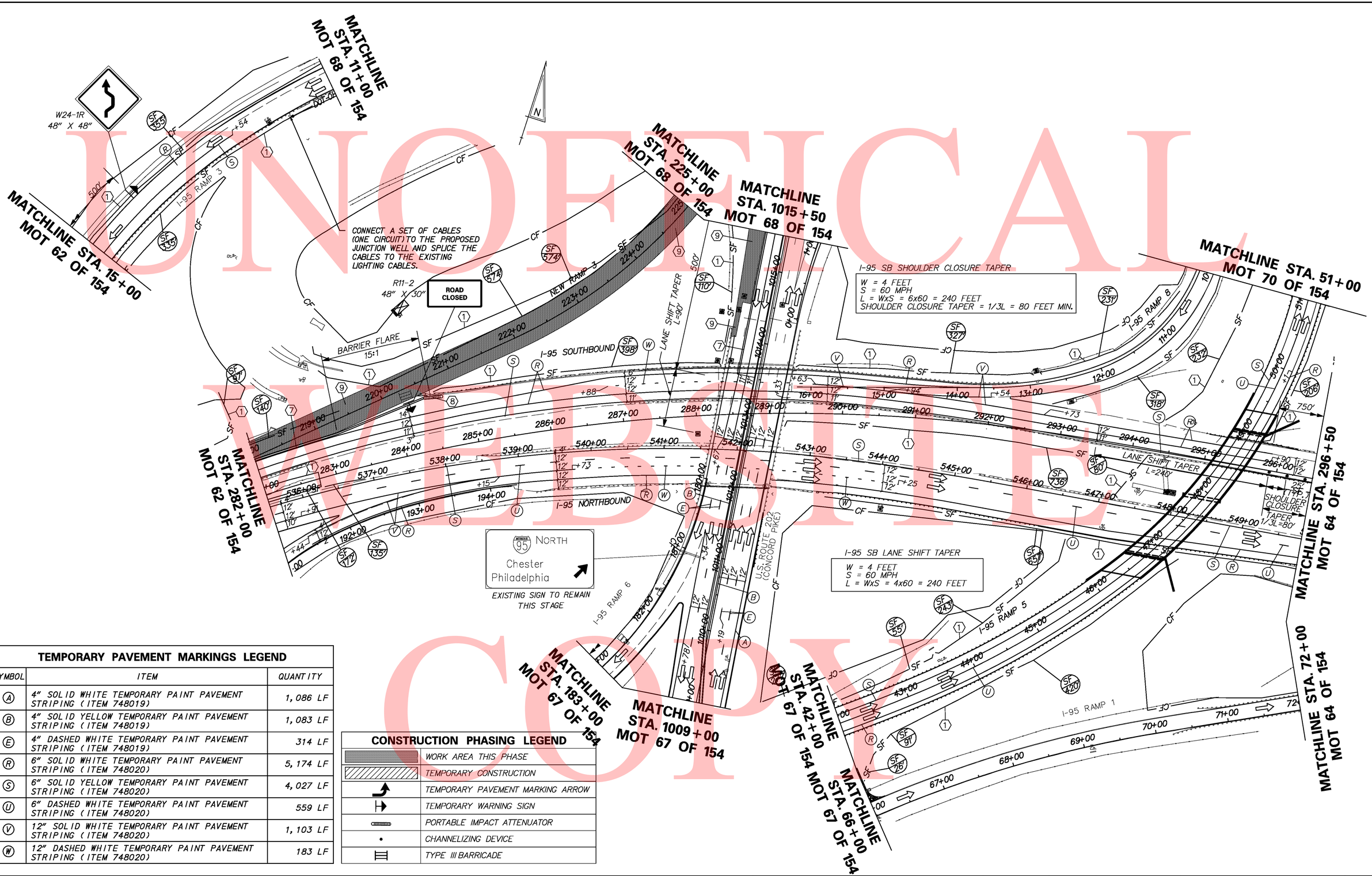
WEBSITE
COPY



TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,086 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,083 LF
(E)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	314 LF
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	5,174 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	4,027 LF
(U)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	559 LF
(V)	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,103 LF
(W)	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	183 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	DJD / REM
CHECKED BY:	KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1
MOT 63 OF 139

SHEET NO.	328
TOTAL SHTS.	482

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12/9/2010

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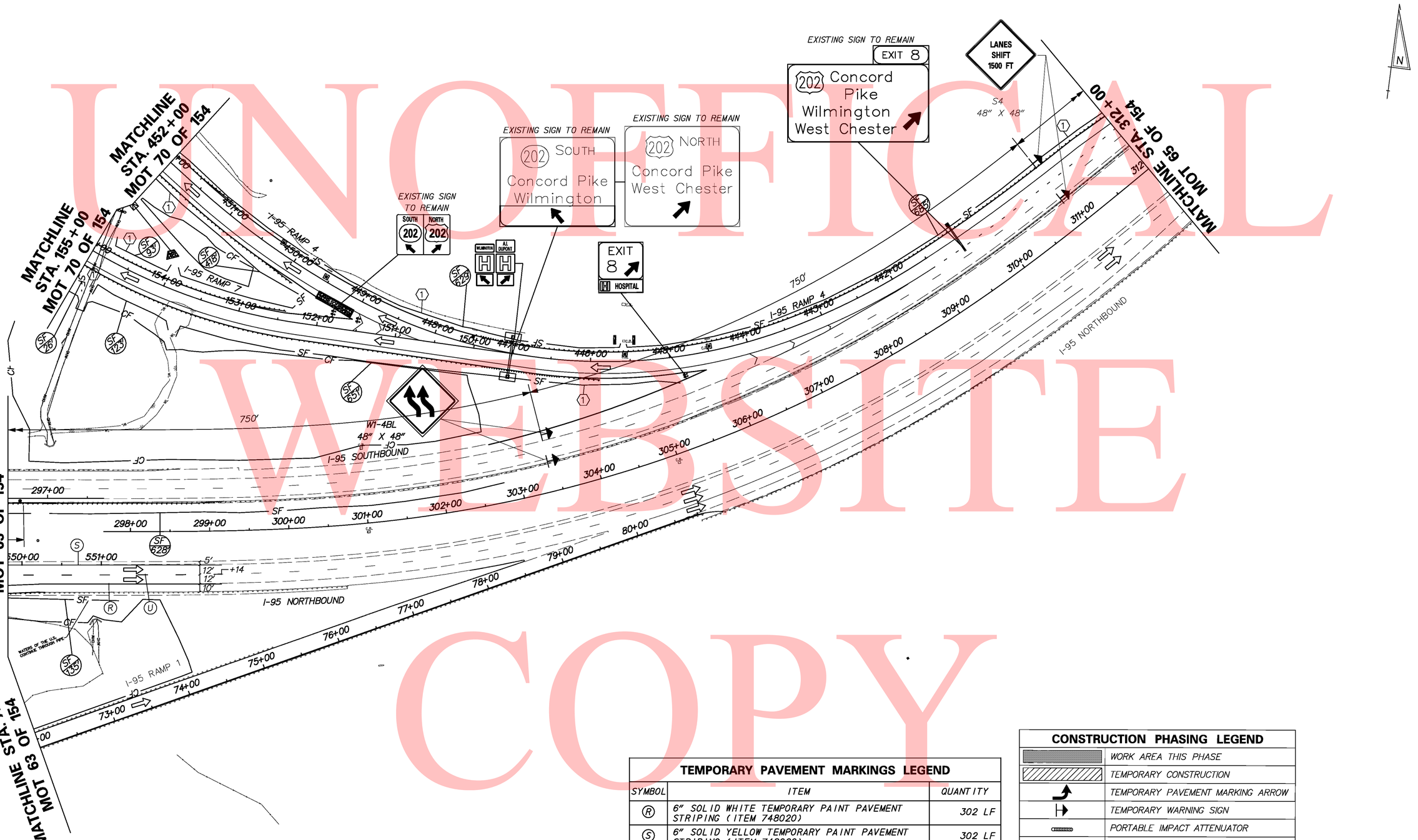

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	302 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	302 LF
Ⓤ	6" DASHEDWHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	77 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE
BRIDGE NO. NA
DESIGNED BY: DJD / REM
CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 64 OF 139

SHEET NO. 329
TOTAL SHTS. 482

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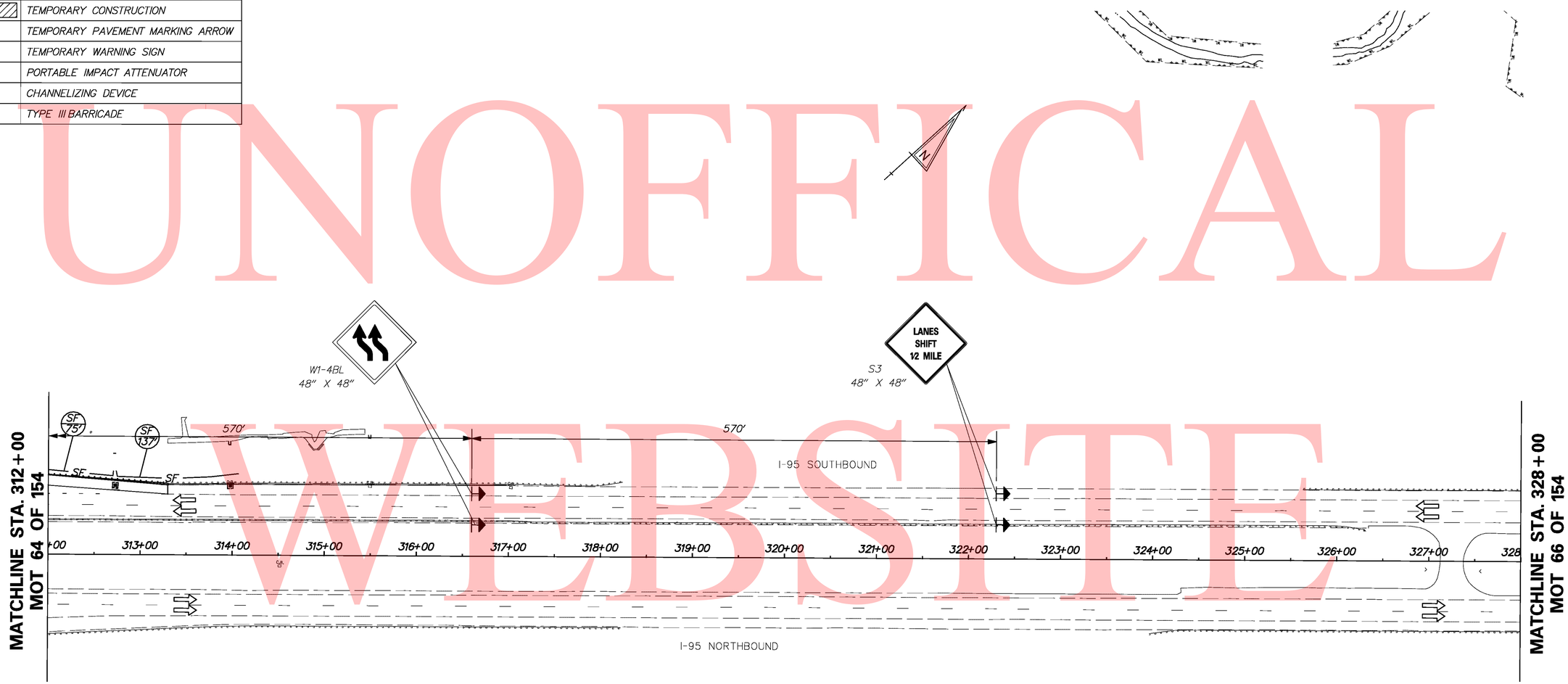
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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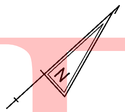
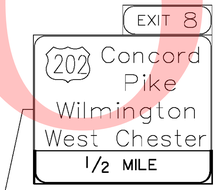
8/18/2010

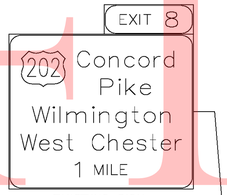
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 65 OF 139	SHEET NO. 330
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



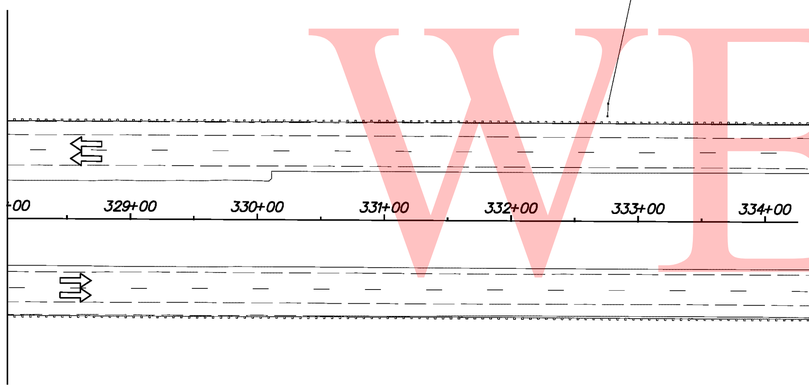


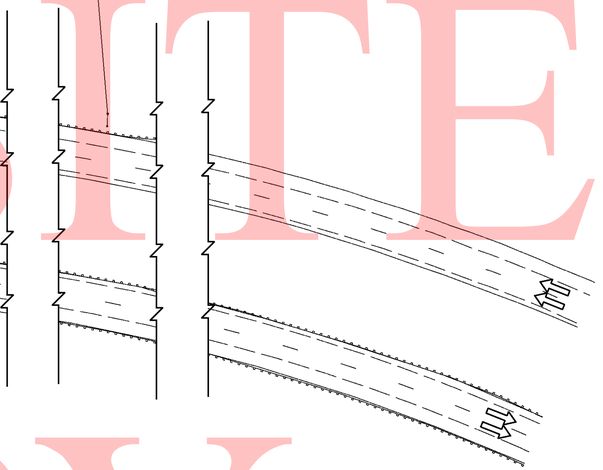
EXISTING SIGN TO REMAIN



EXISTING SIGN
TO REMAIN THIS STAGE

MATCHLINE STA. 328 + 00
MOT 65 OF 154





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8/18/200

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 66 OF 139

SHEET NO.
331
TOTAL SHTS.
482

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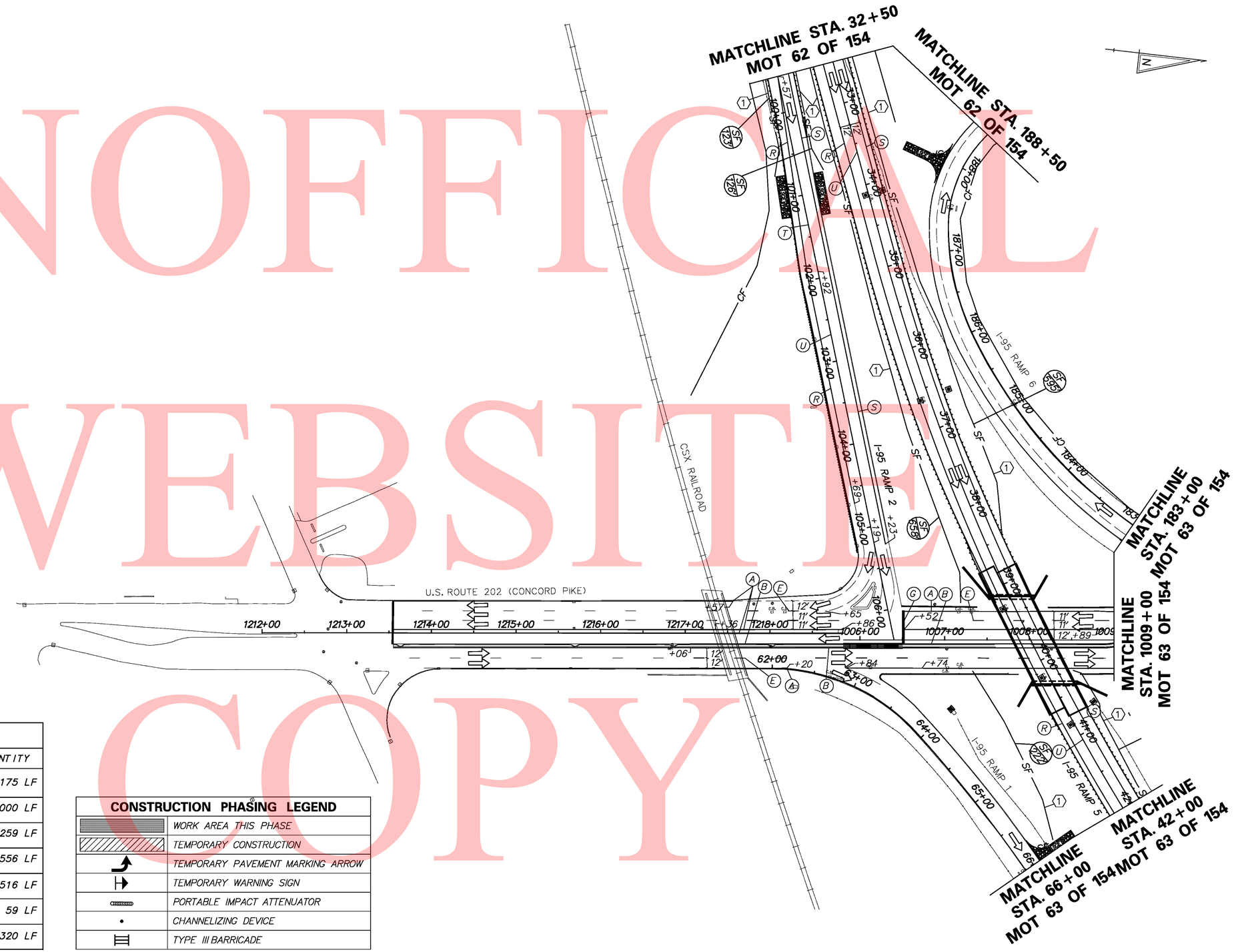

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,175 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,000 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	259 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,556 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,516 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	59 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	320 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

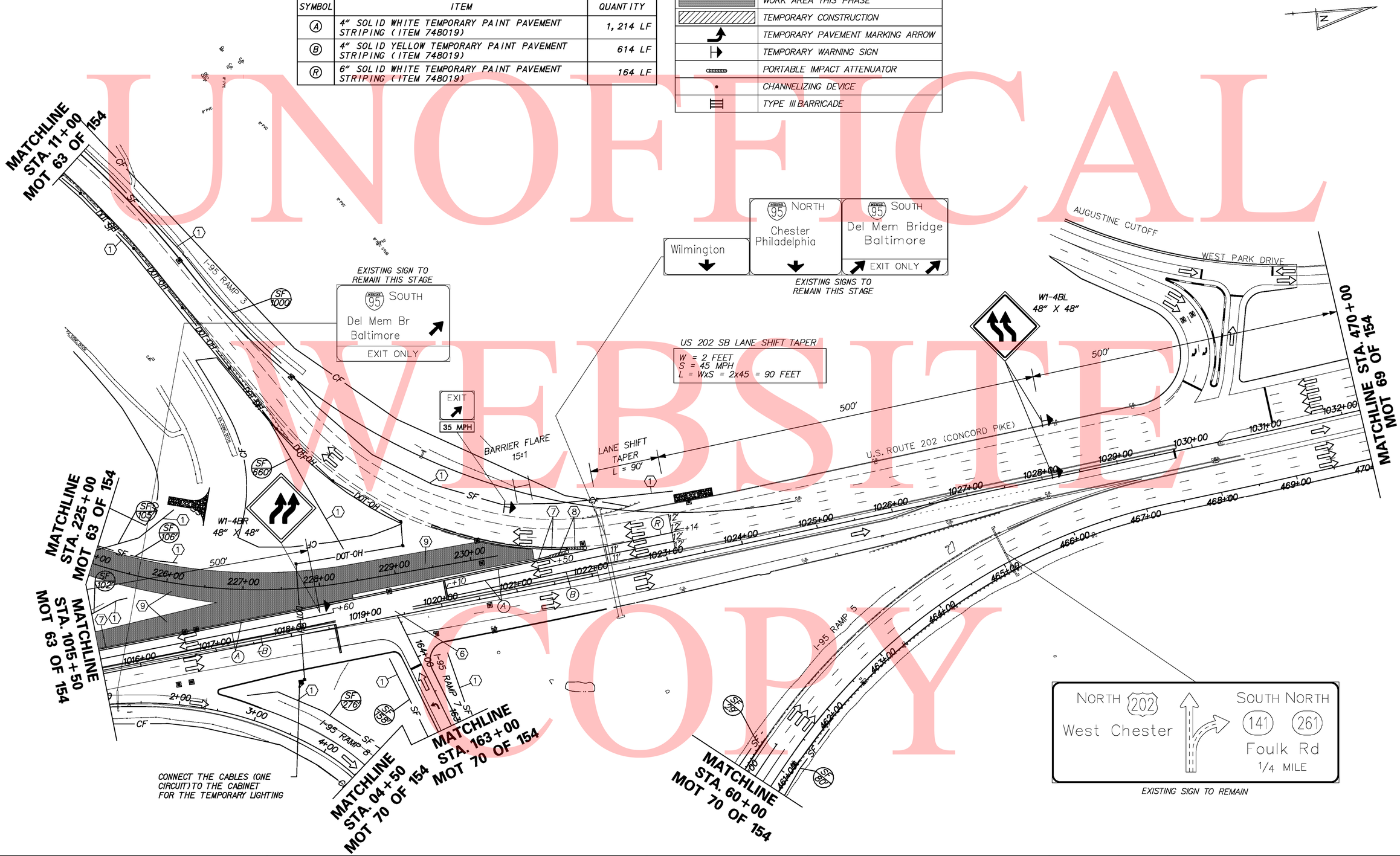
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL
PHASE 2, STAGE 1
MOT 67 OF 139

SHEET NO. 332
TOTAL SHTS. 482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,214 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	614 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	164 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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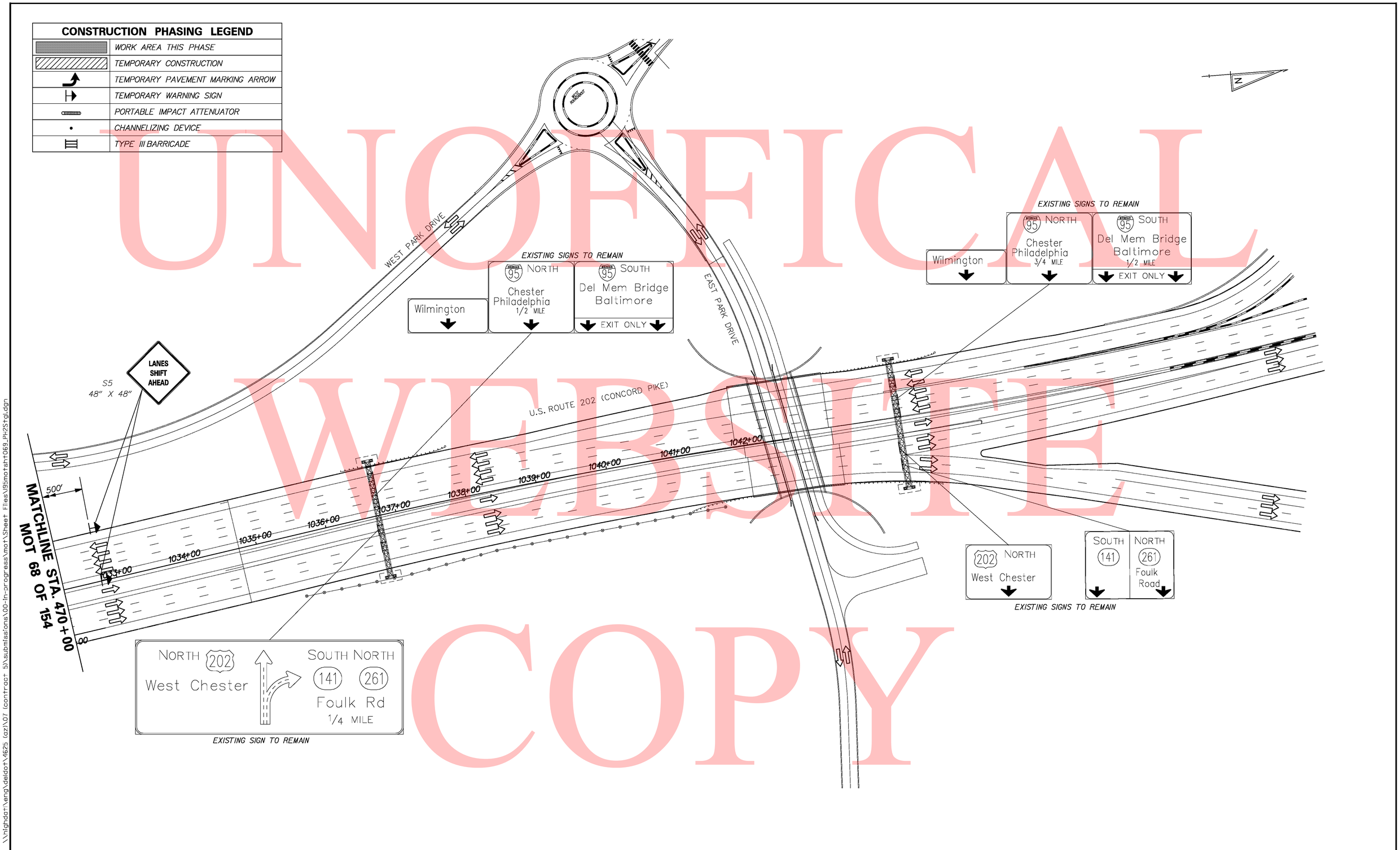
12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 68 OF 139	SHEET NO. 333
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 69 OF 139	SHEET NO. 334
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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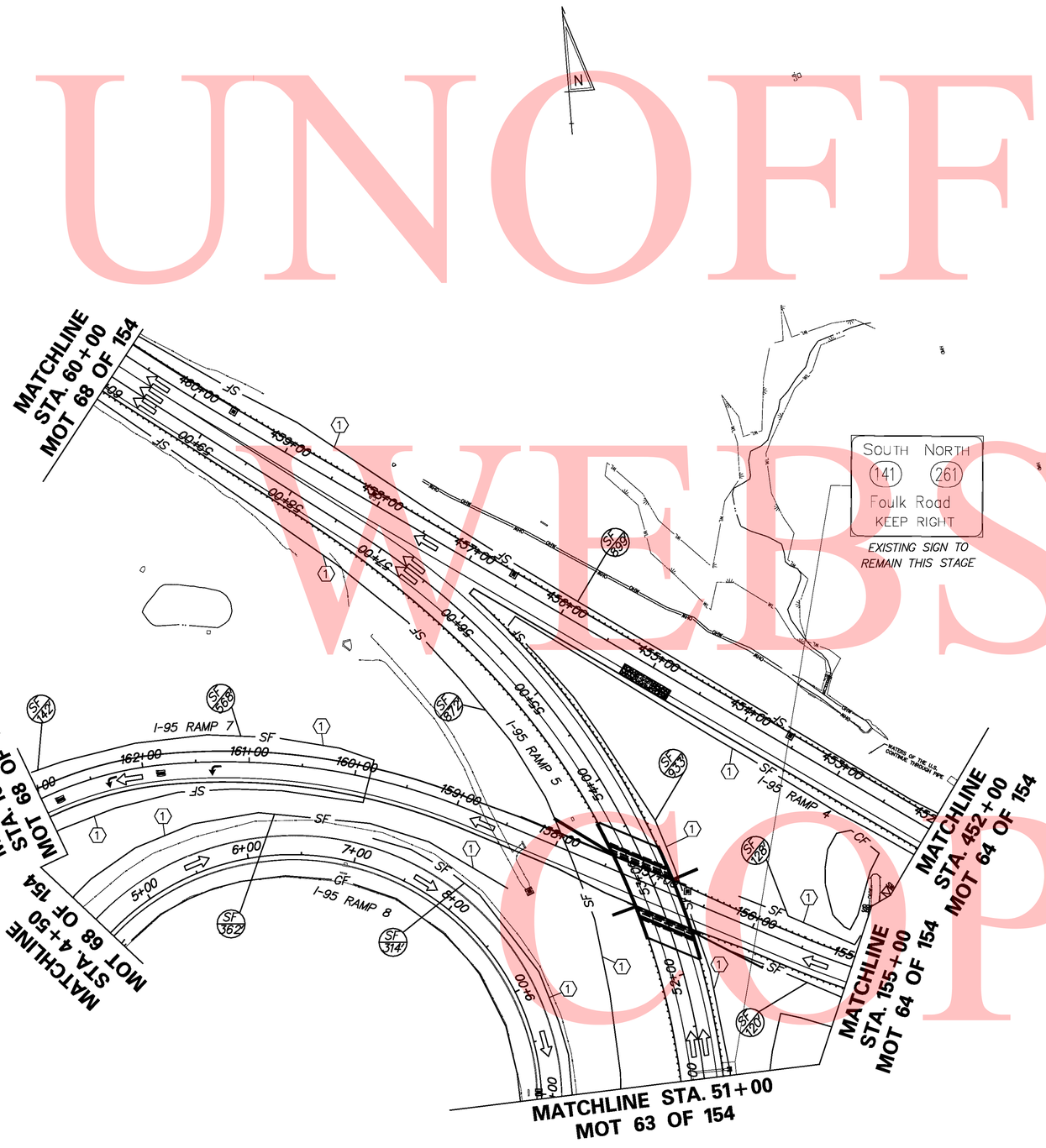
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602 / COUNTY NEW CASTLE	BRIDGE NO. NA / DESIGNED BY: DJD / REM / CHECKED BY: KMC	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 1 MOT 70 OF 139	SHEET NO. 335 / TOTAL SHTS. 482

8/18/2010
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SEQUENCE OF CONSTRUCTION

PHASE 2, STAGE 2

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PHASE 2 STAGE 2 CONSTRUCTION PHASING, MOT & EROSION CONTROL.

2. STABILIZE ALL DISTURBED AREAS WITH TOP SOIL SEED AND MULCH PRIOR TO THE REMOVAL OF THE SEDIMENT CONTROL DEVICES AS DIRECTED BY THE ENGINEER.

3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON I-95 NORTHBOUND, I-95 SOUTHBOUND, EXISTING RAMP 3 AND US 202 SOUTHBOUND, AS NECESSARY, AND REMOVE EXISTING RAISED PAVEMENT MARKERS ON I-95 NORTHBOUND FROM STATION 299+14 TO STATION 301+53. PLACE TEMPORARY STRIPING ON I-95 NORTHBOUND, I-95 SOUTHBOUND AND EXISTING RAMP 3 USING CASE 23-C AND ON US 202 SOUTHBOUND USING CASE 23-B AS SHOWN UNDER PHASE 2, STAGE 2.

4. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 2 STAGE 2.

5. ADJUST TEMPORARY SIGNAL AT THE US 202 AND NEW RAMP 7 INTERSECTION TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 2.

6. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE TEMPORARY CONCRETE BARRIER TO:
   - THE LEFT SIDE OF I-95 NORTHBOUND FROM STATION 527+48 TO STATION 539+60
   - THE LEFT SIDE OF I-95 SOUTHBOUND FROM STATION 274+31 TO STATION 300+11
   - THE RIGHT SIDE FO US 202 SOUTHBOUND FROM STATION 1016+64 TO STATION 1021+50

   TEMPORARY BARRIER WILL NEED TO BE RELOCATED FROM OFF SITE LOCATION FOR THIS STAGE. THE TEMPORARY CONCRETE BARRIER ON EXISTING RAMP 3 FROM STATION 2+90 TO STATION 4+55 REMAINS IN THE SAME LOCATION AS PHASE 2, STAGE 1.

7. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE PORTABLE IMPACT ATTENUATORS:
   - FROM I-95 SOUTHBOUND STATION 284+38 TO I-95 SOUTHBOUND STATION 300+11
   - FROM EXISTING RAMP 3 STATION 21+34 TO I-95 NORTHBOUND STATION 527+48

   THE PORTABLE IMPACT ATTENUATORS REMAIN IN PLACE FROM PHASE 2, STAGE 1 AT EXISTING RAMP 3 STATION 2+90 AND US 202 SOUTHBOUND 1021+50.

8. CONSTRUCT THE LEFT SIDE OF I-95 NORTHBOUND FROM STATION 528+00 TO STATION 539+10.

9. CONSTRUCT THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION 274+60 TO STATION 296+00. CONSTRUCT TEMPORARY PAVEMENT ON THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION C 287+42 TO STATION C 299+70 AS SHOWN ON THE I-95 SOUTHBOUND TEMPORARY PAVEMENT PLANS IN THE PHASE 2 STAGE 2 TRAFFIC CONTROL PLANS.

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12/9/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

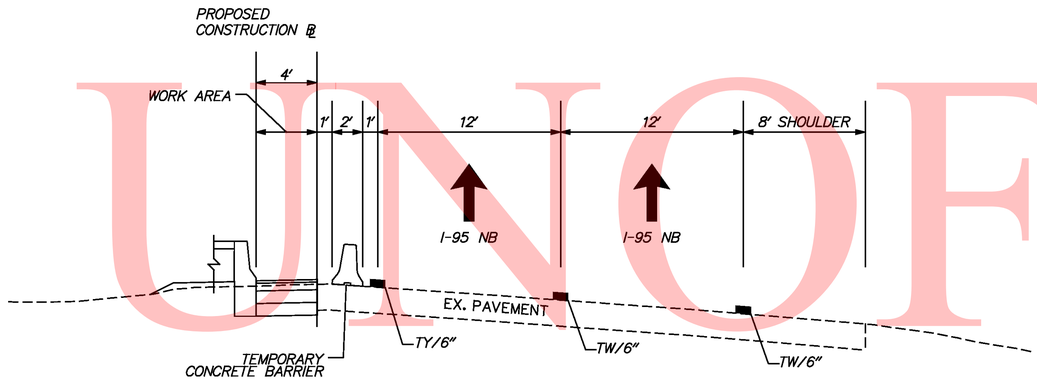
SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	BRIDGE NO.	NA
COUNTY	NEW CASTLE	DESIGNED BY: DJD / REM	
		CHECKED BY: KMC	

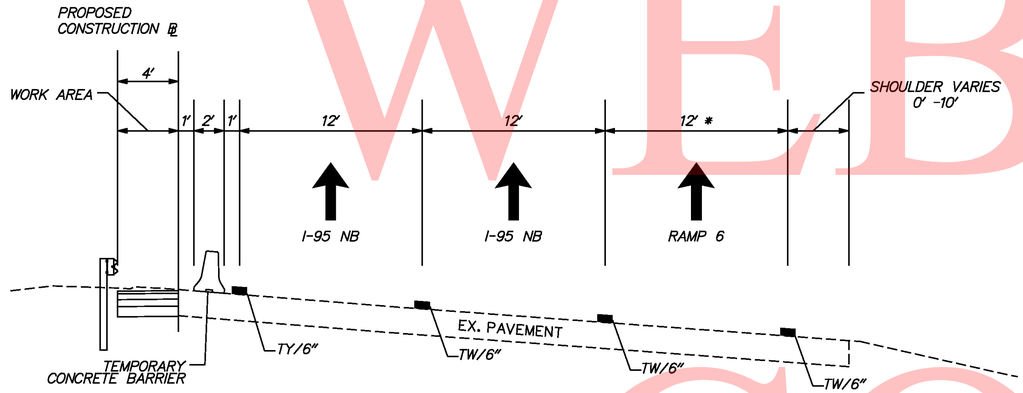
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 71 OF 139

SHEET NO.
336
TOTAL SHTS.
482



I-95 NORTHBOUND

PROPOSED STA 527+48.40 TO STA 536+59.59



* RAMP 6 FROM STA. 537+50.36 TO STA. 539+10.00

I-95 NORTHBOUND

PROPOSED STA 536+59.59 TO STA. 539+60.02

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11/8/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM
					CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 72 OF 139	SHEET NO. 337
	TOTAL SHTS. 482

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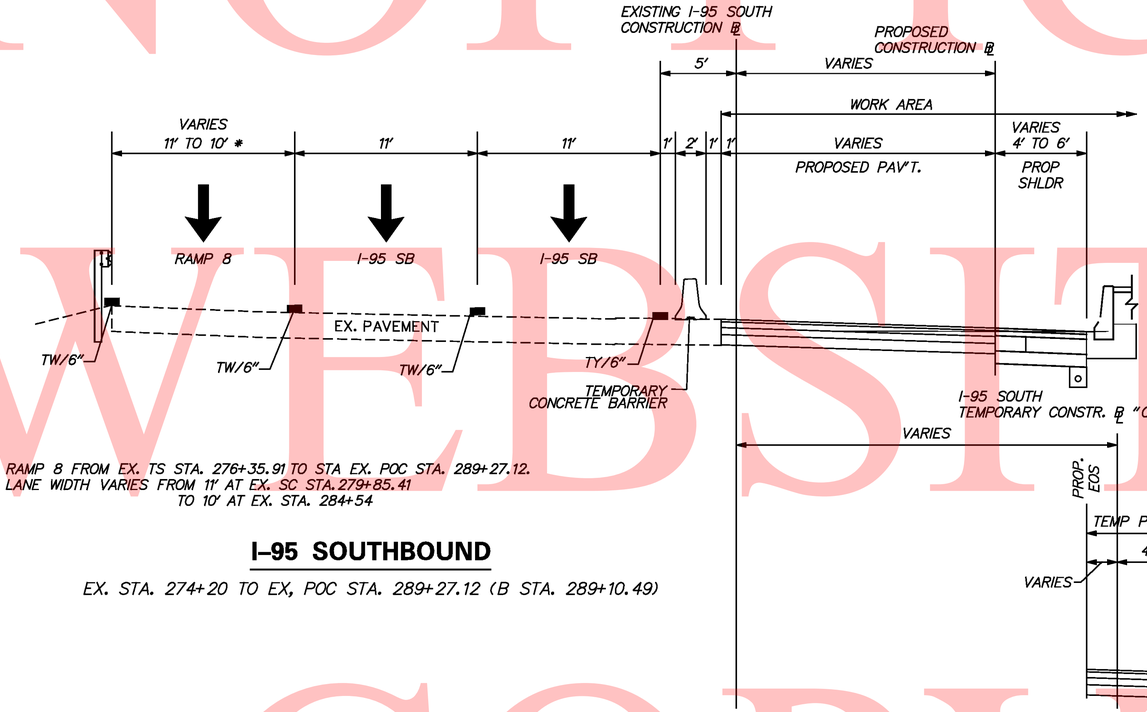

* RAMP 8 FROM EX. TS STA. 276+35.91 TO STA EX. POC STA. 289+27.12.
LANE WIDTH VARIES FROM 11' AT EX. SC STA. 279+85.41
TO 10' AT EX. STA. 284+54

I-95 SOUTHBOUND

EX. STA. 274+20 TO EX, POC STA. 289+27.12 (B STA. 289+10.49)

TEMPORARY PAVEMENT BEGINS AT
EX. STA. 287+53.50 (C STA. 287+45.50)

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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 73 OF 139	SHEET NO. 338
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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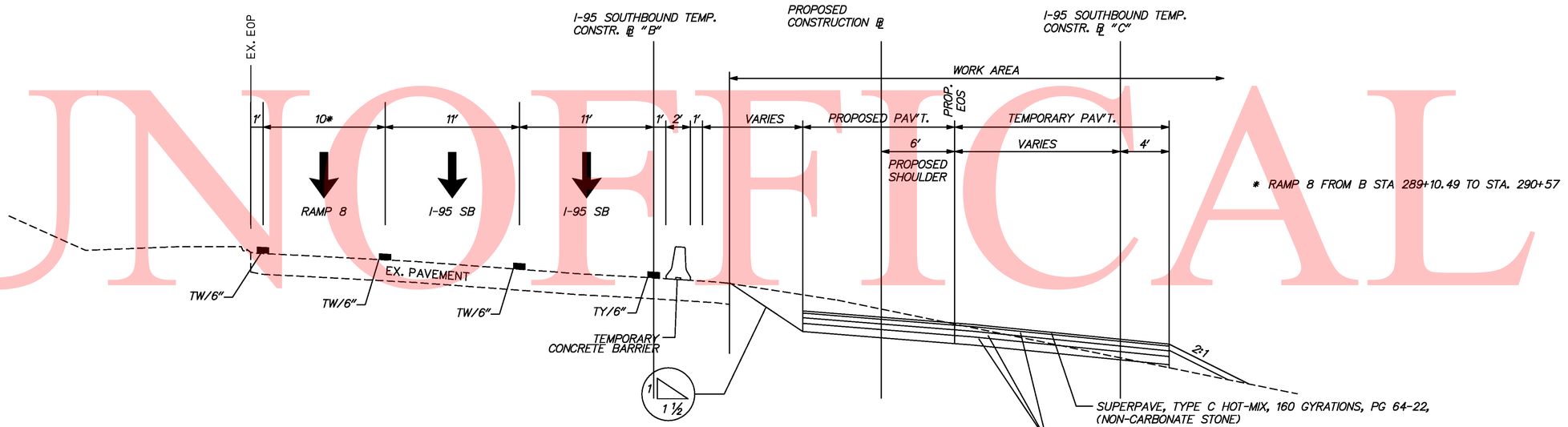
TYPICAL SECTIONS



I-95 SOUTHBOUND

B STA 289+10.49 TO B STA 299+62.39

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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2 STAGE 2 MOT 74 OF 139	SHEET NO. 339
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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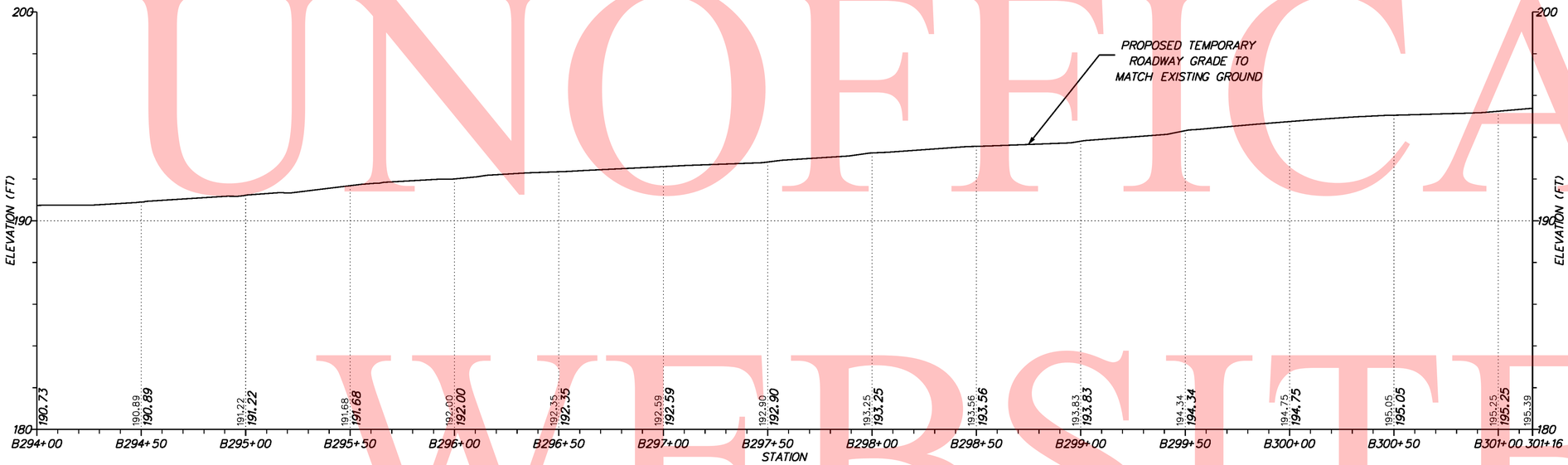
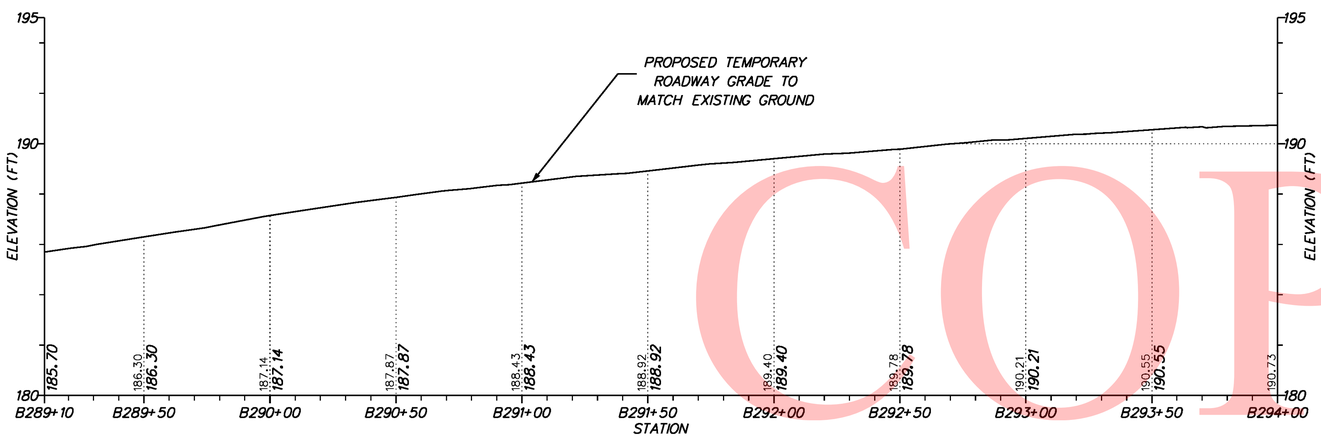


I-95 SB PHASE 2 STAGE 2 TEMPORARY ROADWAY B PROFILE



I-95 SB PHASE 2 STAGE 2 TEMPORARY ROADWAY B PROFILE

VERTICAL SCALE FEET 0 30 60 90

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12/10/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 75 OF 139

SHEET NO.
340
TOTAL SHTS.
482

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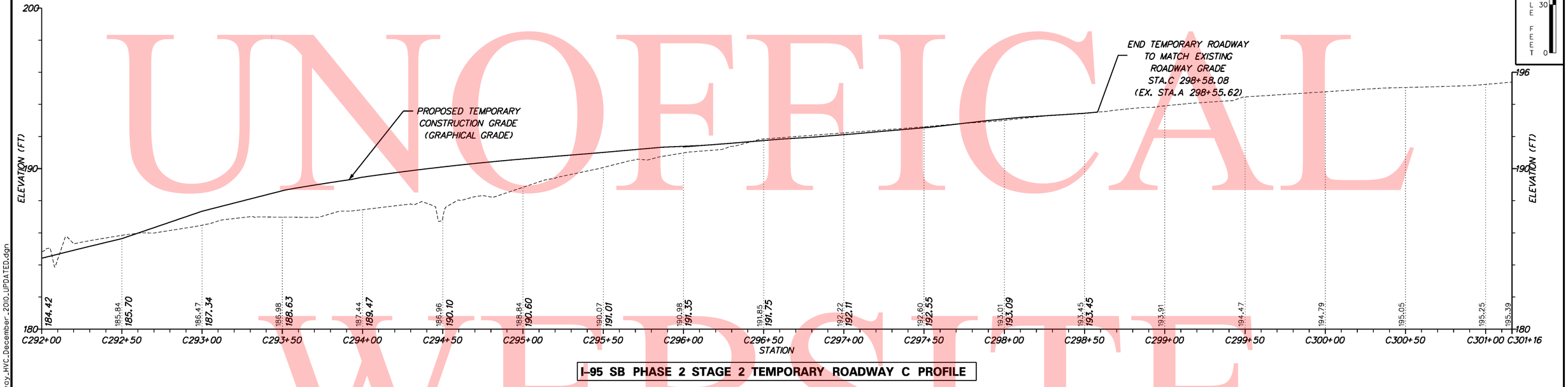
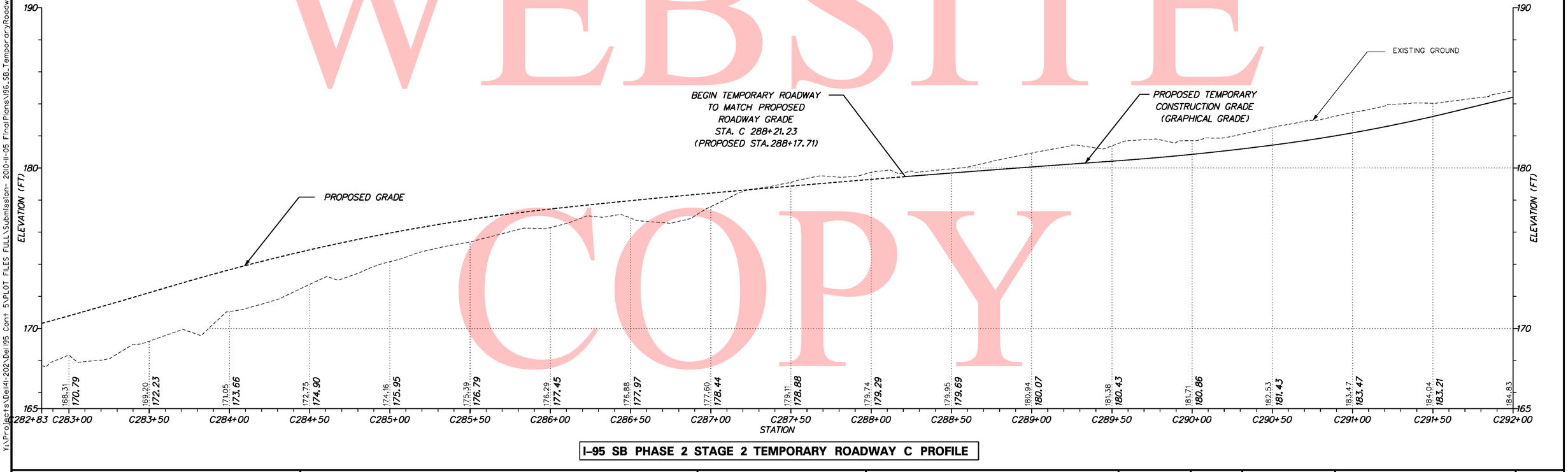
I-95 SOUTHBOUND TEMPORARY PAVEMENT PROFILE
SHEET 2 OF 2

VERTICAL SCALE FEET: 0, 30, 60, 90



I-95 SB PHASE 2 STAGE 2 TEMPORARY ROADWAY C PROFILE



I-95 SB PHASE 2 STAGE 2 TEMPORARY ROADWAY C PROFILE

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12/10/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	LB
COUNTY	CHECKED BY:	MAA
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 76 OF 139

SHEET NO.
341
TOTAL SHTS.
482

I-95 SOUTHBOUND TEMPORARY ROADWAY HORIZONTAL AND VERTICAL CONTROL SHEET

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TEMPORARY ROAD CIRCULAR CURVE B1

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
PC (B1000)	B 289+10.49	643623.4587	620667.9064
PI (B1001)	B 290+57.54	643662.8363	620809.5867
CC ()		641616.0539	621225.8302
PT (B1002)	B 292+04.10	643681.9234	620955.3935
	RADIUS:	2083.4953	
	DELTA:	8°04'27.6750" RIGHT	
DEGREE OF CURVATURE (ARC):		2°44'59.9409"	
	LENGTH:	293.6146	
	TANGENT:	147.0508	
	CHORD:	293.3717	
MIDDLE ORDINATE:		5.1700	
	EXTERNAL:	5.1829	
TANGENT DIRECTION:		N 74°28'03.4972" E	
RADIAL DIRECTION:		S 15°31'56.5028" E	
CHORD DIRECTION:		N 78°30'17.3347" E	
RADIAL DIRECTION:		S 7°27'28.8278" E	
TANGENT DIRECTION:		N 82°32'31.1722" E	

TEMPORARY ROAD CIRCULAR CURVE B2

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
PC (C1003)	B 299+62.39	643780.3486	621707.2650
PI (C1004)	B 300+39.45	643790.3507	621783.6708
CC ()		645208.4492	621520.3167
PT (C1005)	B 301+16.36	643808.4480	621858.5733
	RADIUS:	1440.2850	
	DELTA:	6°07'30.0306" LEFT	
DEGREE OF CURVATURE (ARC):		3°58'41.1107"	
	LENGTH:	153.9687	
	TANGENT:	77.0578	
	CHORD:	153.8954	
MIDDLE ORDINATE:		2.0569	
	EXTERNAL:	2.0599	
TANGENT DIRECTION:		N 82°32'31.1722" E	
RADIAL DIRECTION:		S 7°27'28.8278" E	
CHORD DIRECTION:		N 79°28'46.1569" E	
RADIAL DIRECTION:		S 13°34'58.8584" E	
TANGENT DIRECTION:		N 76°25'01.1416" E	

EXISTING ROAD CLOTHOID CURVE EX.A

	STATION	NORTHING	EASTING
	ELEMENT: CLOTHOID		
TS (A1001)	A 297+66.36	643709.8885	621523.4120
SPI ()	A 299+99.83	643740.1932	621754.9101
SC (A1002)	A 301+16.36	643767.6227	621868.4372
	ENTRANCE RADIUS:	0.0000	
	EXIT RADIUS:	1637.0200	
	LENGTH:	350.0000	
	ANGLE:	6°07'30.0306" LEFT	
	CONSTANT:	756.9392	
	LONG TANGENT:	233.4732	
	SHORT TANGENT:	116.7938	
	LONG CHORD:	349.8223	
	Xs:	349.6002	
	Ys:	12.4617	
	P:	3.1167	
	K:	174.9334	
TANGENT DIRECTION:		N 82°32'31.1722" E	
RADIAL DIRECTION:		S 7°27'28.8278" E	
CHORD DIRECTION:		N 80°30'01.8733" E	
RADIAL DIRECTION:		S 13°34'58.8584" E	
TANGENT DIRECTION:		N 76°25'01.1416" E	

CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
EX1000*	279+85.91	0.00	643157.7171	619859.5334
EX1001	290+21.26	0.00	643641.6062	620760.5362
EX1002	293+71.26	0.00	643697.5913	621105.8973

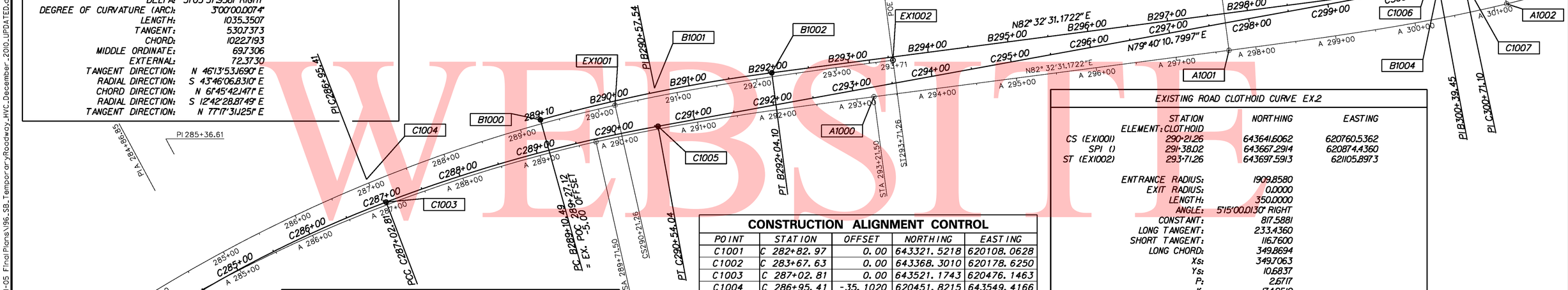
* POINT NOT SHOWN WITHIN SHEET LIMITS

EXISTING ROAD CIRCULAR CURVE EX1

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
SC (EX1000)	279+85.91	643157.7171	619859.5334
PI ()	285+16.65	643524.8531	620242.7999
CC ()		641778.5325	621180.6720
CS (EX1001)	290+21.26	643641.6062	620760.5362
	RADIUS:	1909.8580	
	DELTA:	3°03'37.9561" RIGHT	
DEGREE OF CURVATURE (ARC):		3°00'00.0074"	
	LENGTH:	1035.3507	
	TANGENT:	530.7373	
	CHORD:	1022.7193	
MIDDLE ORDINATE:		69.7306	
	EXTERNAL:	72.3730	
TANGENT DIRECTION:		N 46°13'53.1690" E	
RADIAL DIRECTION:		S 43°46'06.8310" E	
CHORD DIRECTION:		N 61°45'42.1471" E	
RADIAL DIRECTION:		S 12°42'28.8749" E	
TANGENT DIRECTION:		N 77°17'31.1251" E	

CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
B1000	B 289+10.49	0.00	643623.4587	620667.9064
B1001	B 290+57.54	-5.1829	643662.8363	620809.5867
B1002	B 292+04.10	0.00	643681.9234	620955.3935
B1003	B 299+62.39	0.00	643780.3486	621707.2560
B1004	B 300+39.45	2.0599	643790.3507	621783.6708
B1005	B 301+16.36	0.00	643808.4480	621858.5733



CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
A1000	A 293+21.50	0.00	643652.1458	621082.3144
A1001	A 297+66.36	0.00	643709.8885	621523.4120
A1002	A 301+16.36	0.00	643767.6227	621868.4372

CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
C1001	C 282+82.97	0.00	643321.5218	620108.0628
C1002	C 283+67.63	0.00	643368.3010	620178.6250
C1003	C 287+02.81	0.00	643521.1743	620476.1463
C1004	C 286+95.41	-35.1020	620451.8215	643549.4166
C1005	C 290+54.04	0.00	643615.4299	620813.9795
C1006	C 300+25.81	0.00	643789.6913	621770.0004
C1007	C 300+71.10	0.6428	643797.8122	621814.5532
C1008	C 301+16.36	0.00	643808.4480	621858.5733

EXISTING ROAD CLOTHOID CURVE EX.2

	STATION	NORTHING	EASTING
	ELEMENT: CLOTHOID		
CS (EX1001)	290+21.26	643641.6062	620760.5362
SPI ()	291+38.02	643667.2914	620874.4360
ST (EX1002)	293+71.26	643697.5913	621105.8973
	ENTRANCE RADIUS:	1909.8580	
	EXIT RADIUS:	0.0000	
	LENGTH:	350.0000	
	ANGLE:	5°15'00.0130" RIGHT	
	CONSTANT:	817.5881	
	LONG TANGENT:	233.4360	
	SHORT TANGENT:	116.7600	
	LONG CHORD:	349.8694	
	Xs:	349.7063	
	Ys:	10.6837	
	P:	2.6717	
	K:	174.9510	
TANGENT DIRECTION:		N 77°17'31.1251" E	
RADIAL DIRECTION:		S 12°42'28.8749" E	
CHORD DIRECTION:		N 80°47'31.5817" E	
RADIAL DIRECTION:		S 7°27'28.8619" E	
TANGENT DIRECTION:		N 82°32'31.1381" E	

TEMPORARY ROAD CIRCULAR CURVE C1

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
PC (C1002)	C 283+67.63	643368.3010	620178.6250
PI ()	C 285+35.91	643461.2851	620318.8832
CC ()		642107.3898	621014.5458
PCC (C1003)	C 287+02.81	643521.1743	620476.1463
	RADIUS:	1512.8320	
	DELTA:	12°41'40.0905" RIGHT	
DEGREE OF CURVATURE (ARC):		3°47'14.3498"	
	LENGTH:	335.1835	
	TANGENT:	168.2807	
	CHORD:	334.4983	
MIDDLE ORDINATE:		9.2734	
	EXTERNAL:	9.3306	
TANGENT DIRECTION:		N 56°27'27.4368" E	
RADIAL DIRECTION:		S 33°32'32.5632" E	
CHORD DIRECTION:		N 62°48'17.4820" E	
RADIAL DIRECTION:		S 20°50'52.4727" E	
TANGENT DIRECTION:		N 69°09'07.5273" E	

TEMPORARY ROAD CIRCULAR CURVE C2

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
PCC (C1003)	C 287+02.81	643521.1743	620476.1464
PI ()	C 288+78.92	643583.8495	620640.7252
CC ()		641733.0857	621157.0890
PT (C1005)	C 290+54.04	643615.4299	620813.9795
	RADIUS:	1913.3593	
	DELTA:	10°31'03.2724" RIGHT	
DEGREE OF CURVATURE (ARC):		2°59'40.2443"	
	LENGTH:	351.2283	
	TANGENT:	176.1090	
	CHORD:	350.7354	
MIDDLE ORDINATE:		8.0536	
	EXTERNAL:	8.0876	
TANGENT DIRECTION:		N 69°09'07.5273" E	
RADIAL DIRECTION:		S 20°50'52.4727" E	
CHORD DIRECTION:		N 74°24'39.1635" E	
RADIAL DIRECTION:		S 10°19'49.2003" E	
TANGENT DIRECTION:		N 79°40'10.7997" E	

TEMPORARY ROAD CIRCULAR CURVE C3

	STATION	NORTHING	EASTING
	ELEMENT: CIRCULAR		
PC (C1006)	C 300+25.81	643789.6913	621770.0004
PI (C1007)	C 300+71.10	643797.8122	621814.5532
CC ()		645358.8564	621483.9765
PT (C1008)	C 301+16.36	643808.4480	621858.5733
	RADIUS:	1595.0200	
	DELTA:	3°15'09.6581" LEFT	
DEGREE OF CURVATURE (ARC):		3°35'31.8006"	
	LENGTH:	90.5493	
	TANGENT:	45.2868	
	CHORD:	90.5372	
MIDDLE ORDINATE:		0.6425	
	EXTERNAL:	0.6428	
TANGENT DIRECTION:		N 79°40'10.7997" E	
RADIAL DIRECTION:		S 10°19'49.2003" E	
CHORD DIRECTION:		N 78°02'35.9707" E	
RADIAL DIRECTION:		S 13°34'58.8584" E	
TANGENT DIRECTION:		N 76°25'01.1416" E	

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12/10/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	
COUNTY	NEW CASTLE	
BRIDGE NO.	NA	
DESIGNED BY:	LB	
CHECKED BY:	MAA	

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 77 OF 139

SHEET NO.	342
TOTAL SHTS.	482

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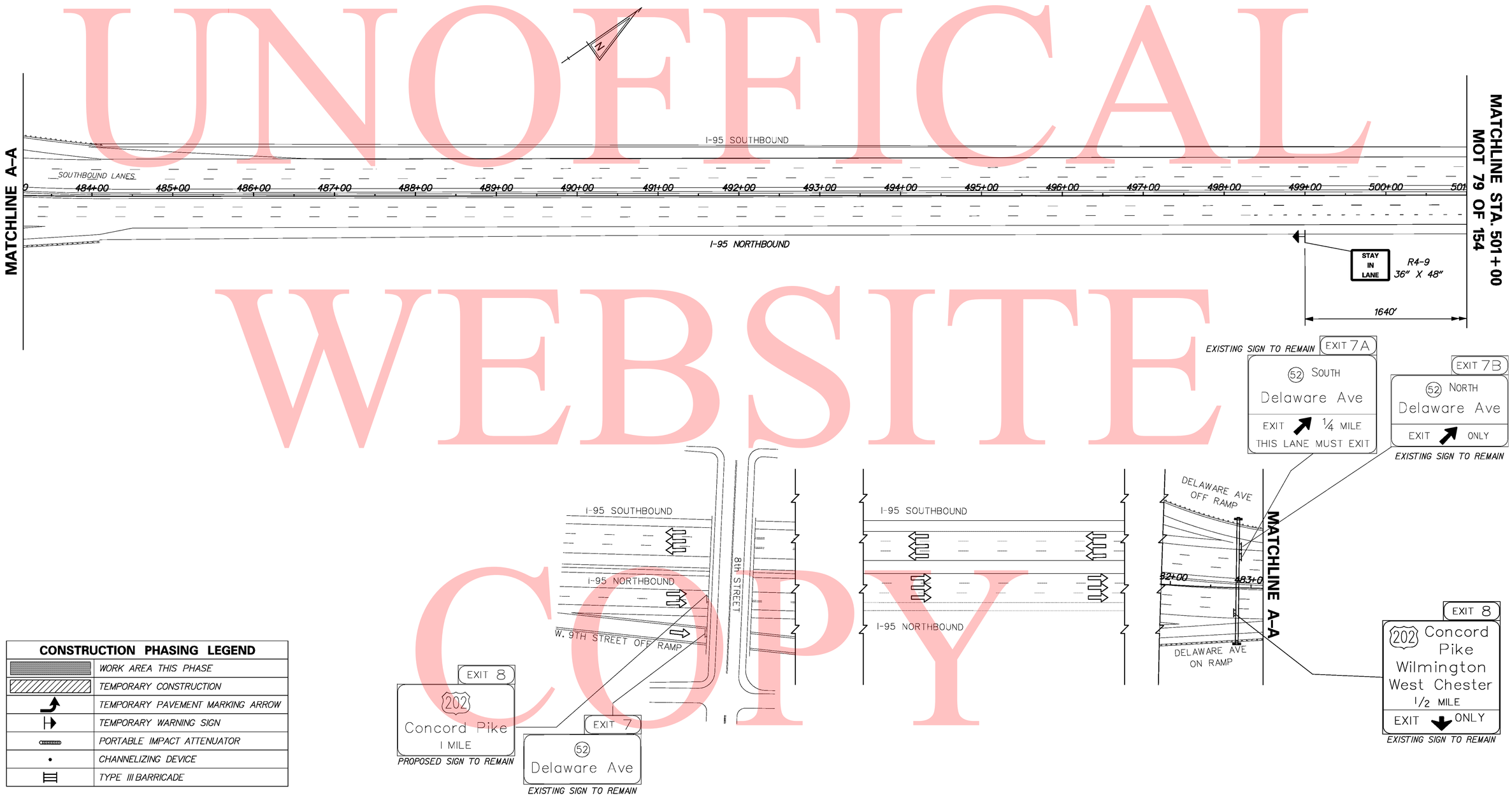

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 78 OF 139	SHEET NO. 343
				COUNTY NEW CASTLE	DESIGNED BY: MT		TOTAL SHTS. 482
					CHECKED BY: KMC		

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CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
•	CHANNELIZING DEVICE
	TYPE III BARRICADE

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,520 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,520 LF
(U)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	760 LF

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	BRIDGE NO.	NA
COUNTY	NEW CASTLE	DESIGNED BY: DJD / REM	CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 79 OF 139

SHEET NO. 344

TOTAL SHTS. 482

UNOFFICIAL
WEBSITE
COPY

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	5,517 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,742 LF
Ⓤ	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	300 LF
Ⓥ	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	762 LF
Ⓦ	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	21 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

I-95 SB LANE SHIFT TAPER

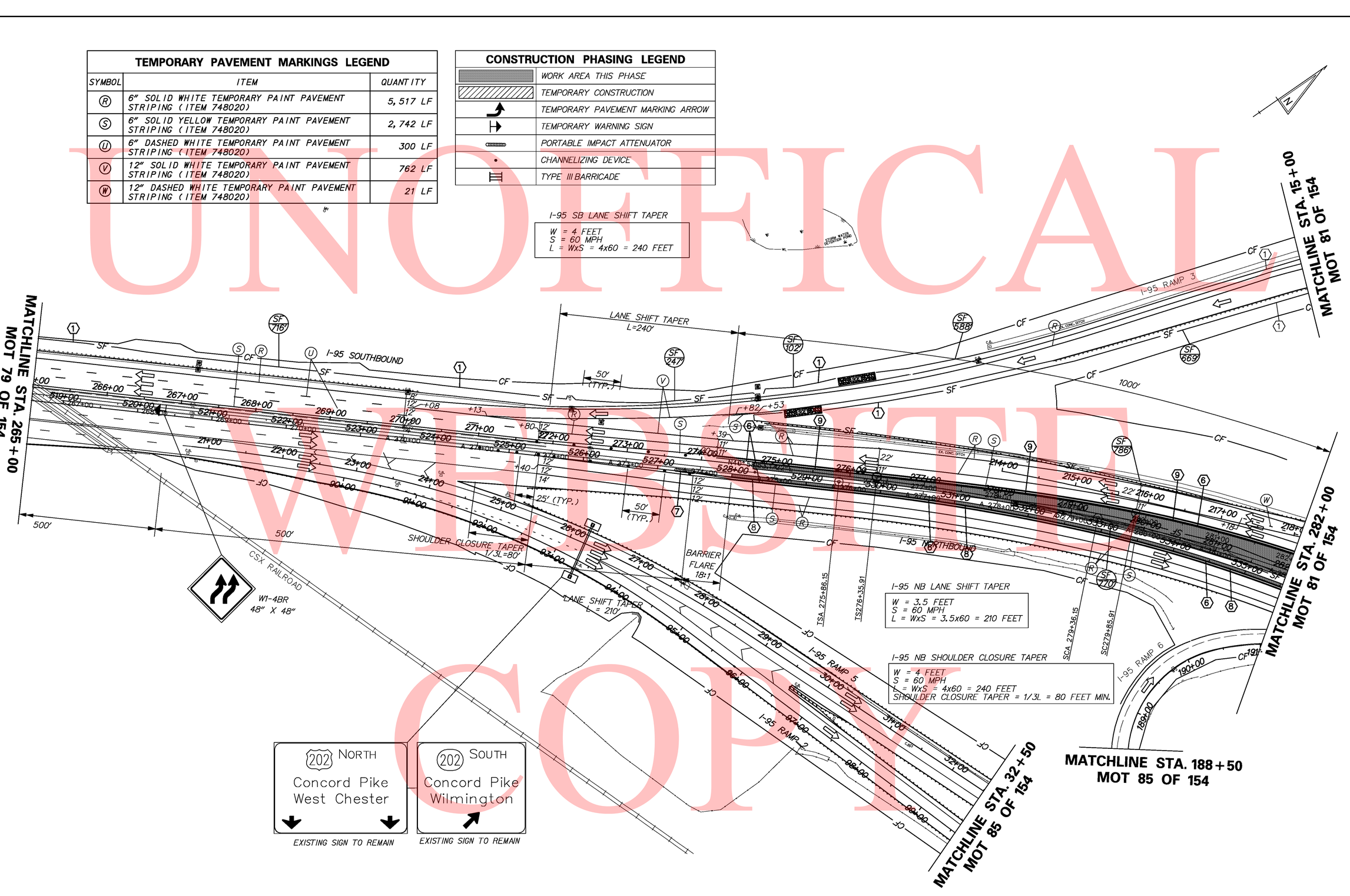
W = 4 FEET
S = 60 MPH
L = WxS = 4x60 = 240 FEET

I-95 NB LANE SHIFT TAPER

W = 3.5 FEET
S = 60 MPH
L = WxS = 3.5x60 = 210 FEET

I-95 NB SHOULDER CLOSURE TAPER

W = 4 FEET
S = 60 MPH
L = WxS = 4x60 = 240 FEET
SHOULDER CLOSURE TAPER = 1/3L = 80 FEET MIN.



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 80 OF 139	SHEET NO. 345
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

12/9/2010 \\highdot\eng\deldot\4625 (dz)\07 (contract 5)\submissions\00-in-progress\mot\sheet files\95motsht080_PH2St2.dgn

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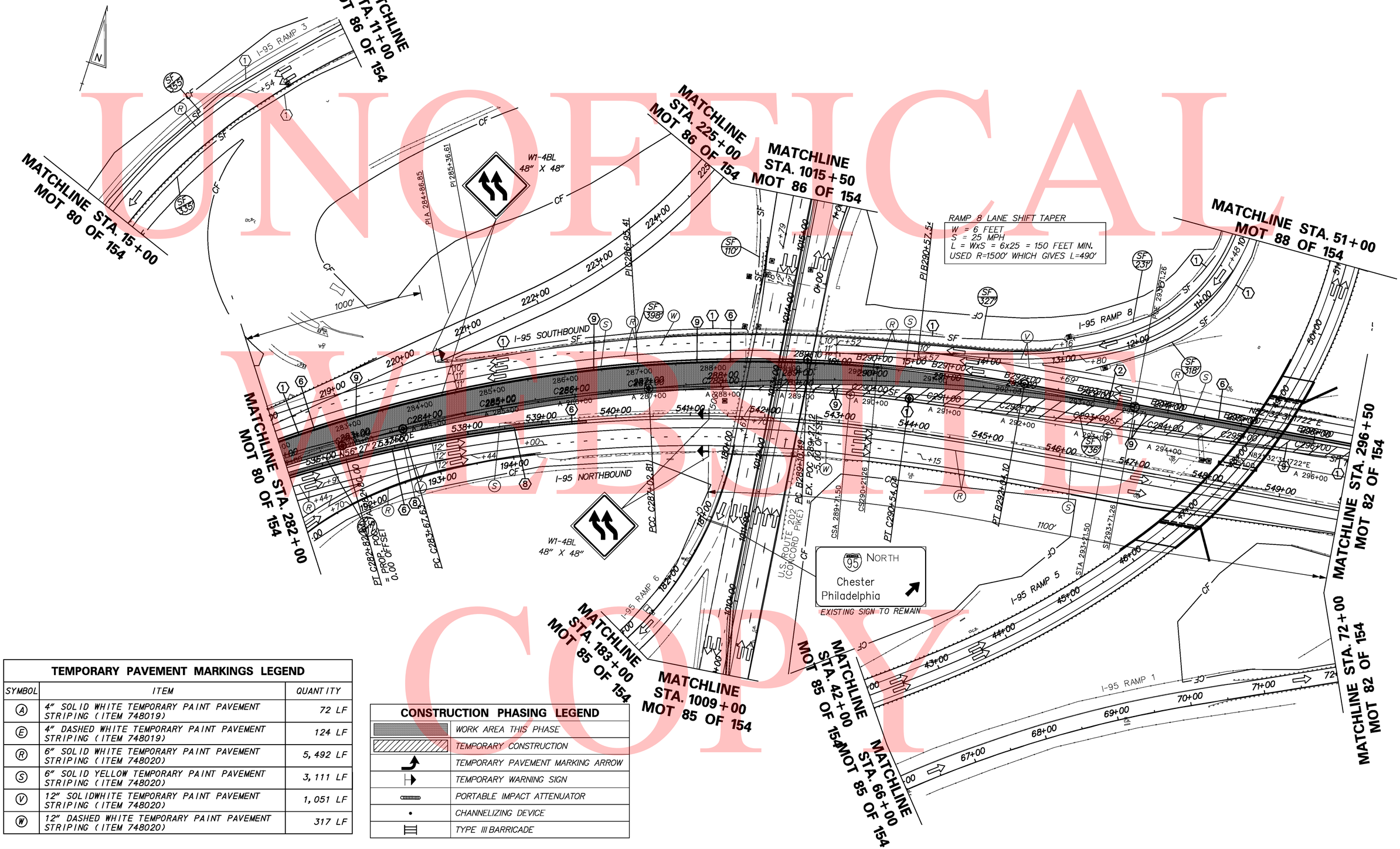
COPY



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	72 LF
(E)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	124 LF
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	5,492 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	3,111 LF
(V)	12" SOLIDWHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,051 LF
(W)	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	317 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	DJD / REM
CHECKED BY:	KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2
MOT 81 OF 139

SHEET NO.	346
TOTAL SHTS.	482

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12/9/2020

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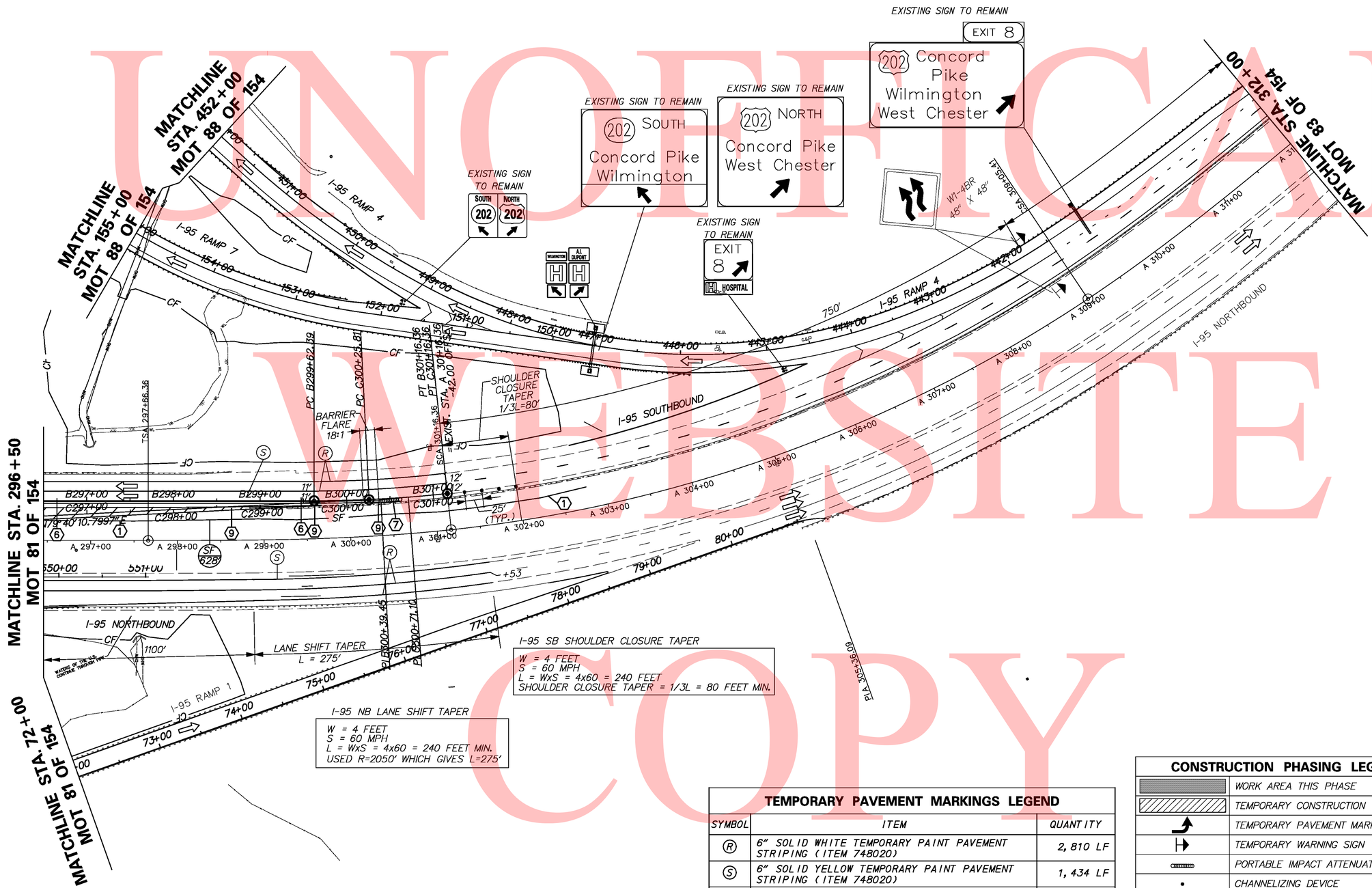

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,810 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,434 LF
(V)	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	58 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 82 OF 139

SHEET NO.	TOTAL SHTS.
347	482

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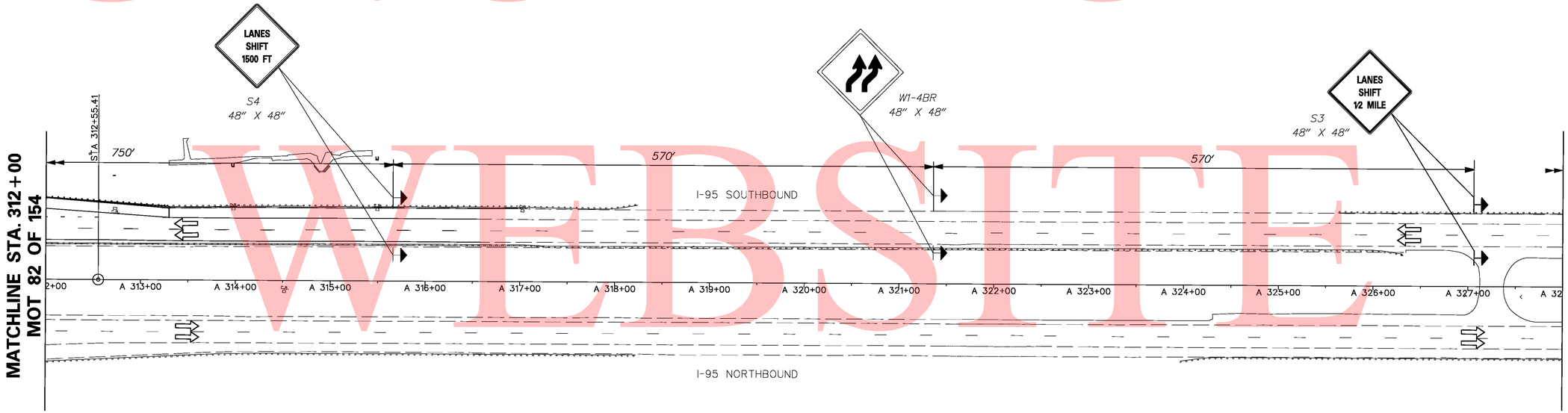
12/9/2010

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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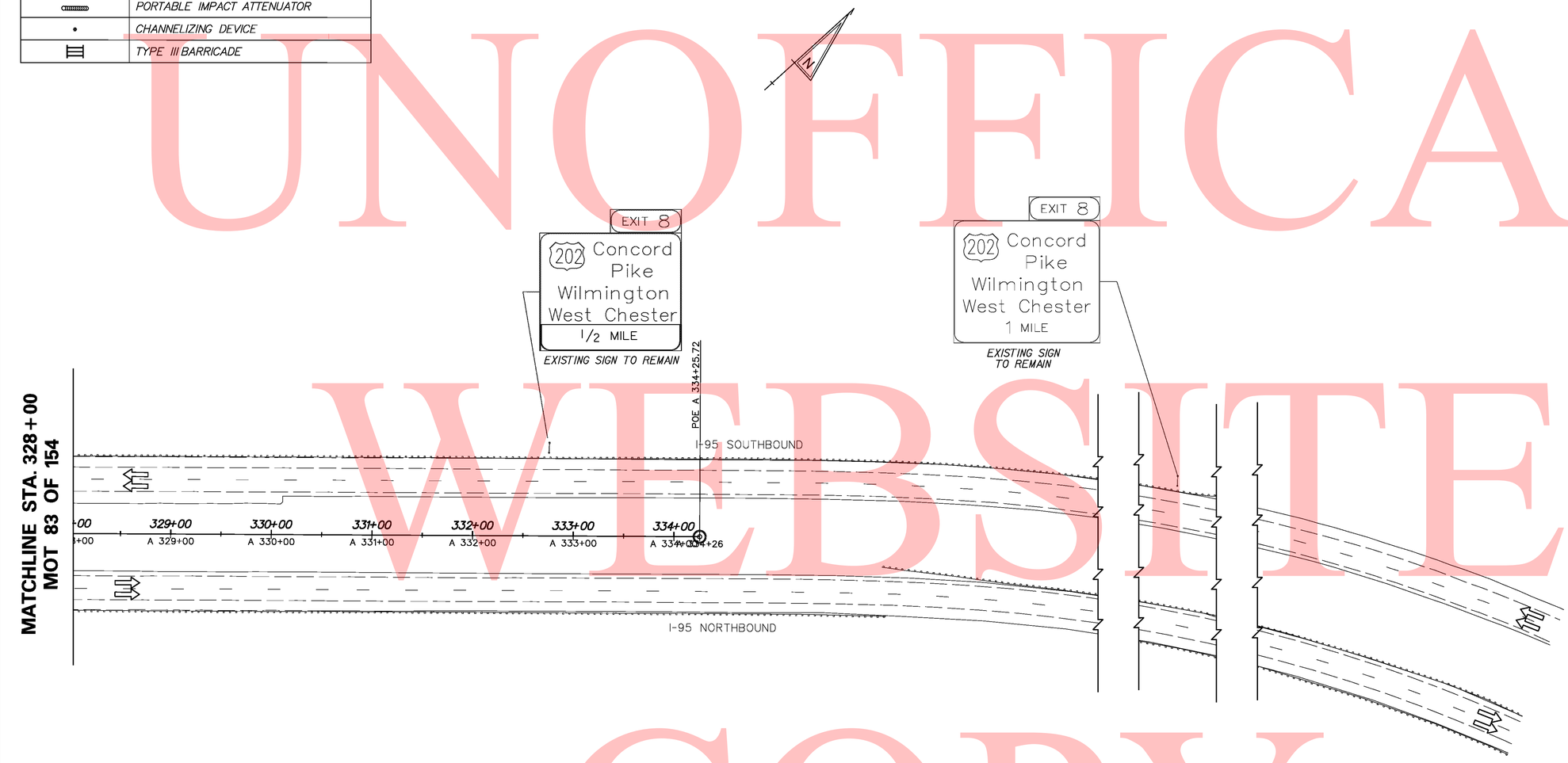
12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 83 OF 139	SHEET NO. 348
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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12/9/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 84 OF 139

SHEET NO.
349
TOTAL SHTS.
482

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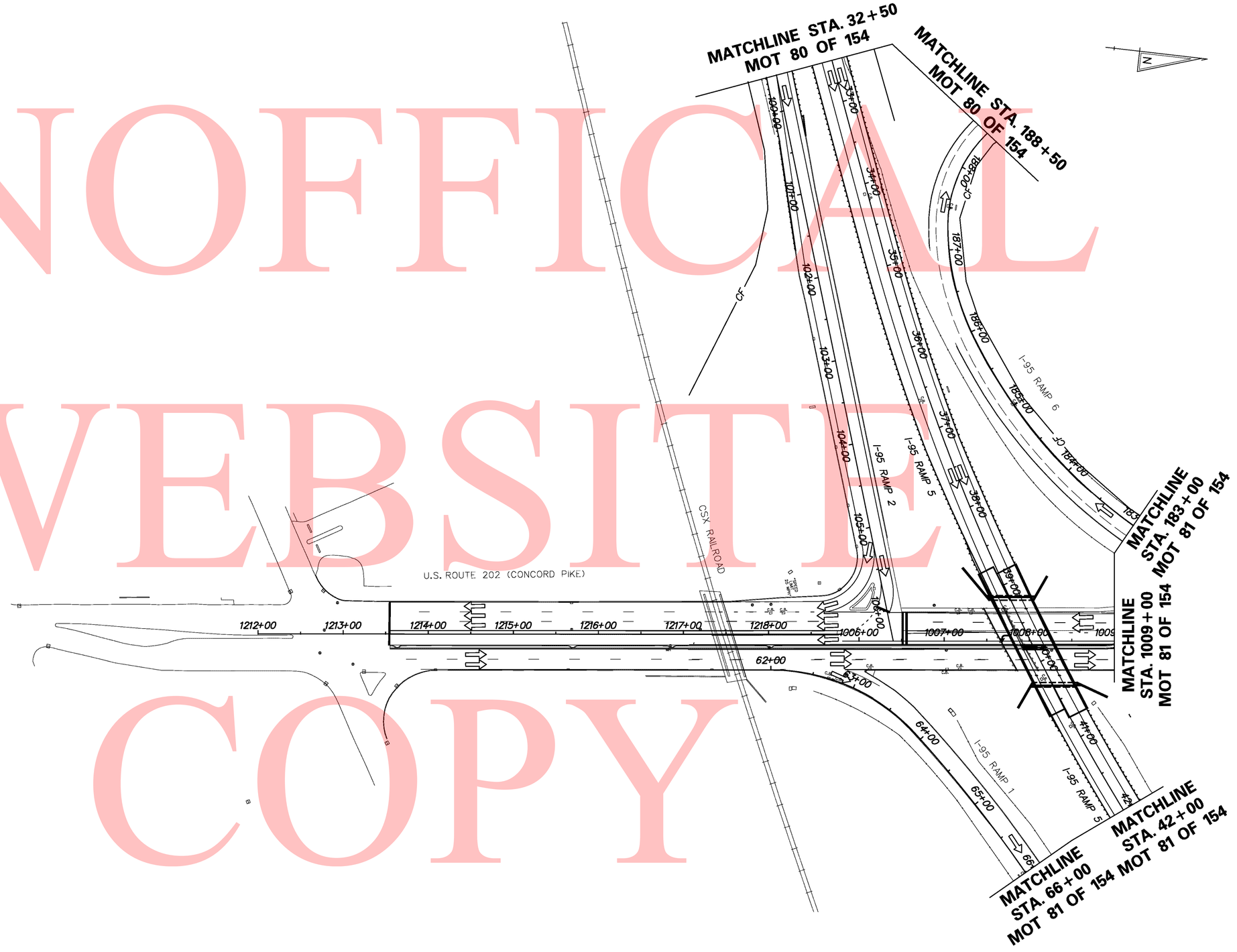

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

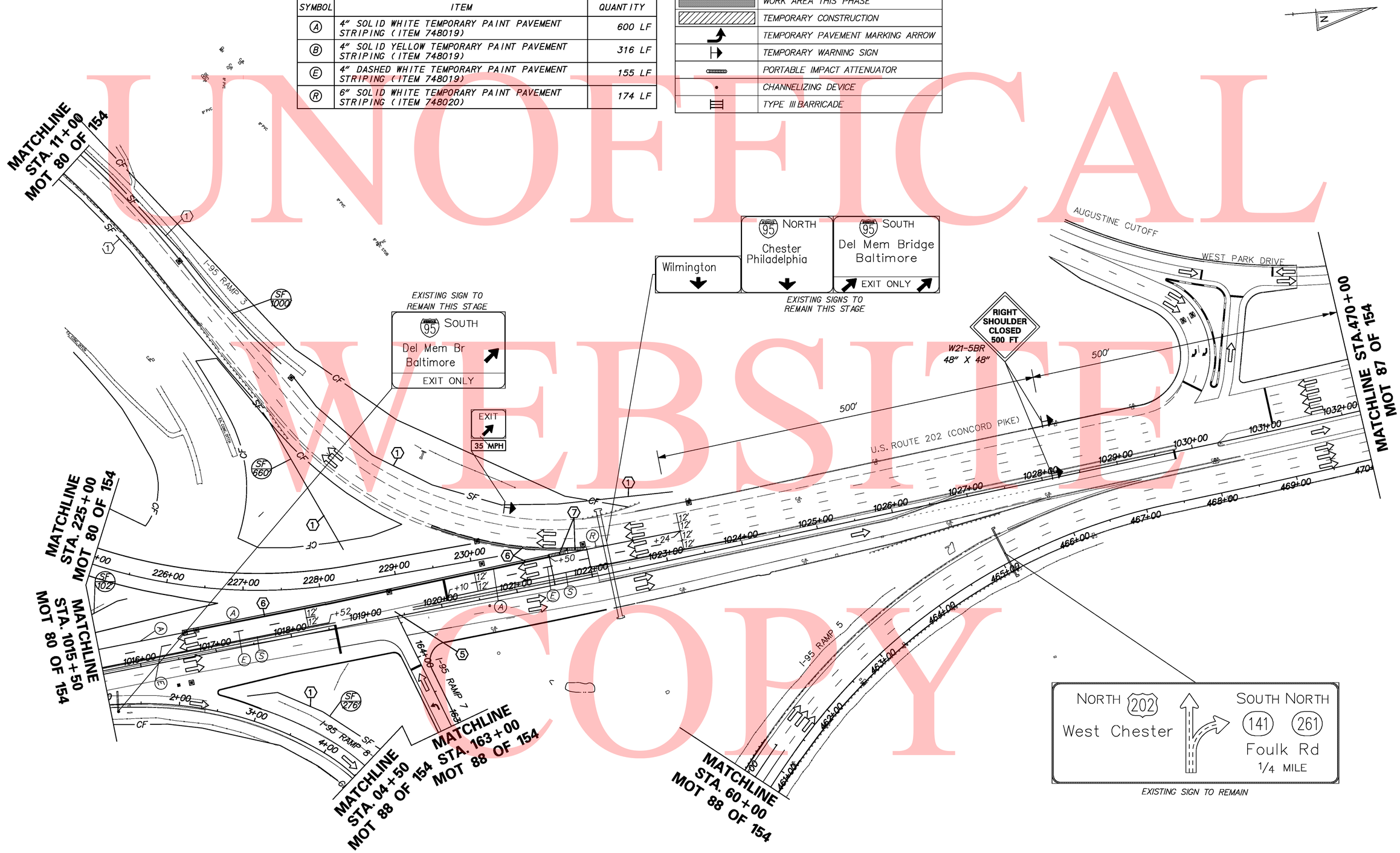
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 85 OF 139

SHEET NO.
350
TOTAL SHTS.
482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	600 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	316 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	155 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	174 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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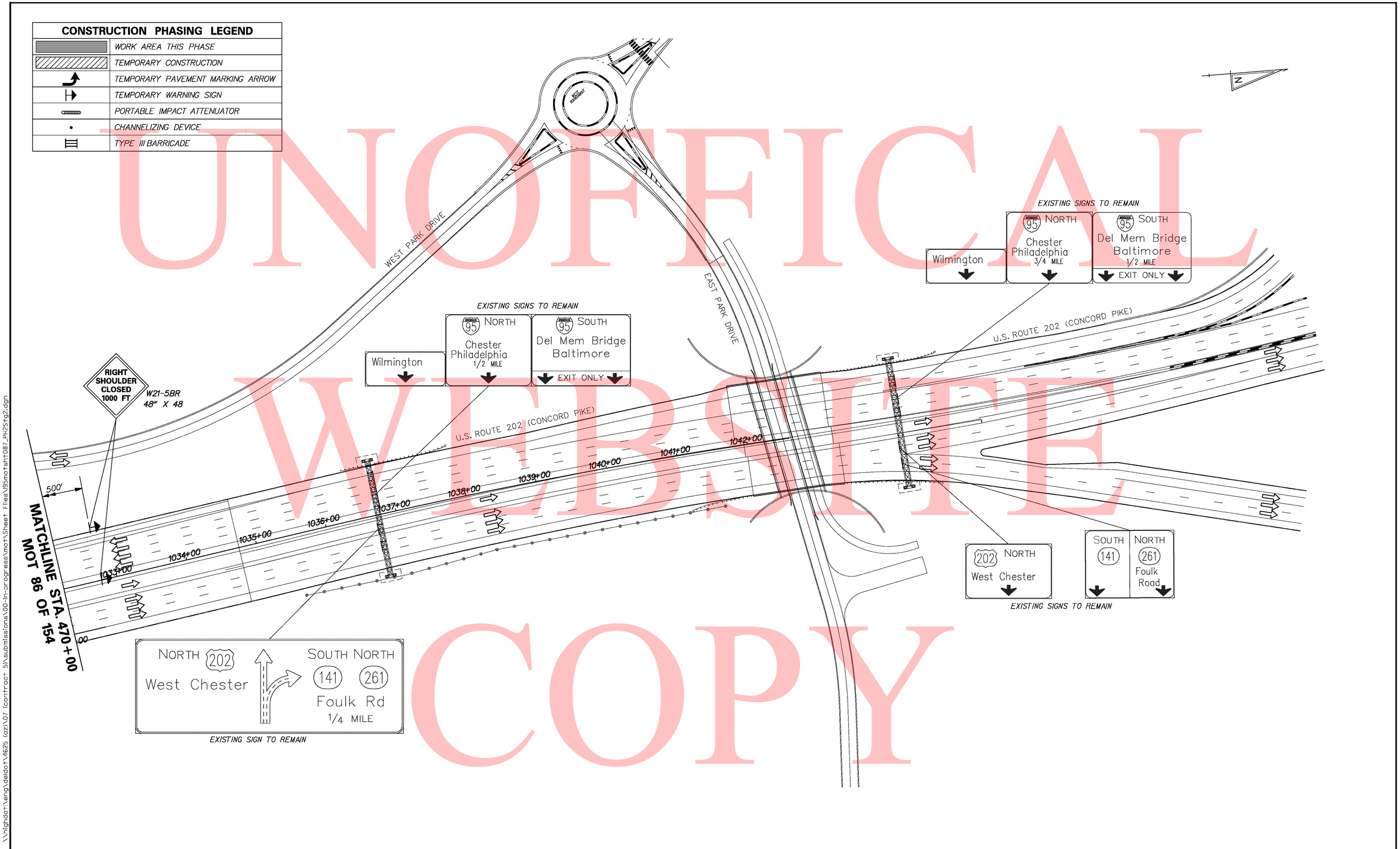
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 86 OF 139	SHEET NO. 351
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 87 OF 139	SHEET NO. 352
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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WEBSITE
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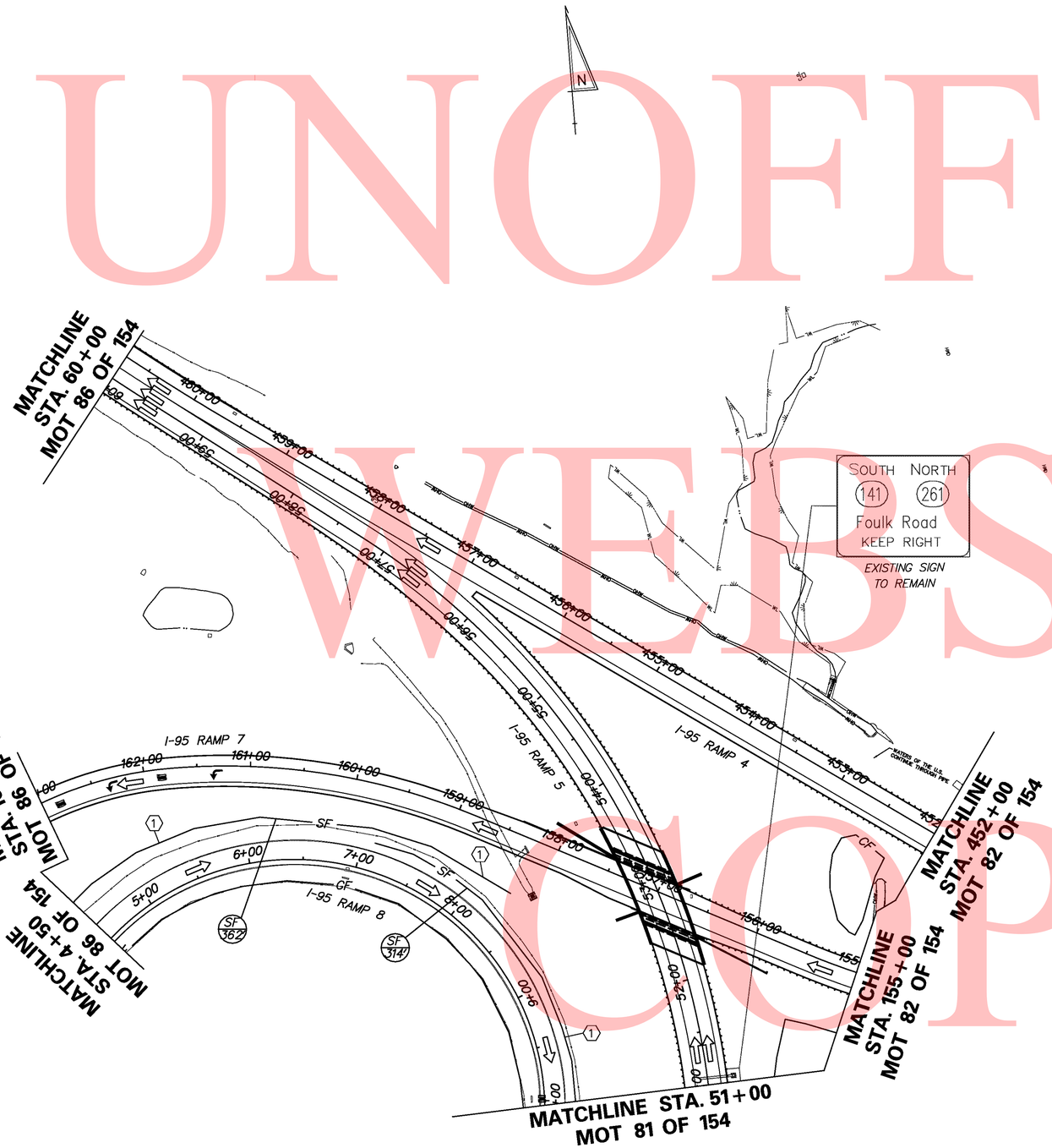
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602 / COUNTY NEW CASTLE	BRIDGE NO. NA / DESIGNED BY: DJD / REM / CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 2 MOT 88 OF 139

SHEET NO.	TOTAL SHTS.
353	482

8/18/2010

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SEQUENCE OF CONSTRUCTION

PHASE 2, STAGE 3

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PHASE 2 STAGE 3 CONSTRUCTION PHASING, MOT & EROSION CONTROL.

2. STABILIZE ALL DISTURBED AREAS WITH TOP SOIL SEED AND MULCH PRIOR TO THE REMOVAL OF THE SEDIMENT CONTROL DEVICES AS DIRECTED BY THE ENGINEER.

3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON I-95 NORTHBOUND AND I-95 SOUTHBOUND, AS NECESSARY. PLACE TEMPORARY STRIPING ON I-95 NORTHBOUND AND I-95 SOUTHBOUND USING CASE 23-C AS SHOWN UNDER PHASE 2, STAGE 3.

4. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 3.

5. CLOSE AND DETOUR RAMP 8 IN ACCORDANCE WITH DETOUR PLAN RAMP *6178 TO CONSTRUCT RAMP 8 FROM STATION 10+38 TO STATION 13+01.

6. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE TEMPORARY CONCRETE BARRIER TO:
   - THE LEFT SIDE OF I-95 SOUTHBOUND FROM STATION 288+00 TO STATION 301+16
   - THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION 281+69 TO STATION 297+46

   THE TEMPORARY CONCRETE BARRIER ON EXISTING RAMP 3 FROM STATION 2+90 TO STATION 4+55 AND THE RIGHT SIDE OF US 202 SOUTHBOUND FROM STATION 1016+64 TO STATION 1021+50 REMAINS IN THE SAME LOCATION AS PHASE 2, STAGE 2.

7. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE PORTABLE IMPACT ATTENUATORS:
   - FROM I-95 SOUTHBOUND STATION 300+11 TO I-95 SOUTHBOUND STATION 301+16,
   - FROM I-95 NORTHBOUND STATION 527+48 TO I-95 SOUTHBOUND STATION 297+46.

   THE PORTABLE IMPACT ATTENUATORS FROM PHASE 2, STAGE 2 REMAIN IN PLACE AT EXISTING RAMP 3 STATION 2+90 AND US 202 SOUTHBOUND 1021+50.

8. CONSTRUCT THE RIGHT SIDE OF I-95 SOUTHBOUND AND THE I-95 SOUTHBOUND / NEW RAMP 3 GORE AREA FROM STATION 277+99 TO STATION 294+05 AND REMOVE I-95 SOUTHBOUND FROM STATION 282+18 TO STATION 290+88. DURING ONE WEEKEND (HOURS 9:00 PM FRIDAY NIGHT TO 5:00 AM MONDAY MORNING), USING LANE CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, CLOSE THE RIGHT LANE ON I-95 SOUTHBOUND TO CONSTRUCT PAVEMENT BETWEEN STATION 277+99 AND STATION 282+20.

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12/9/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

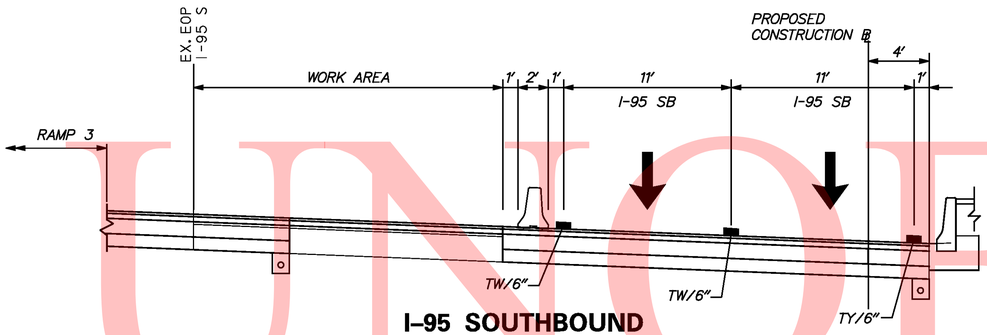
I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 89 OF 139

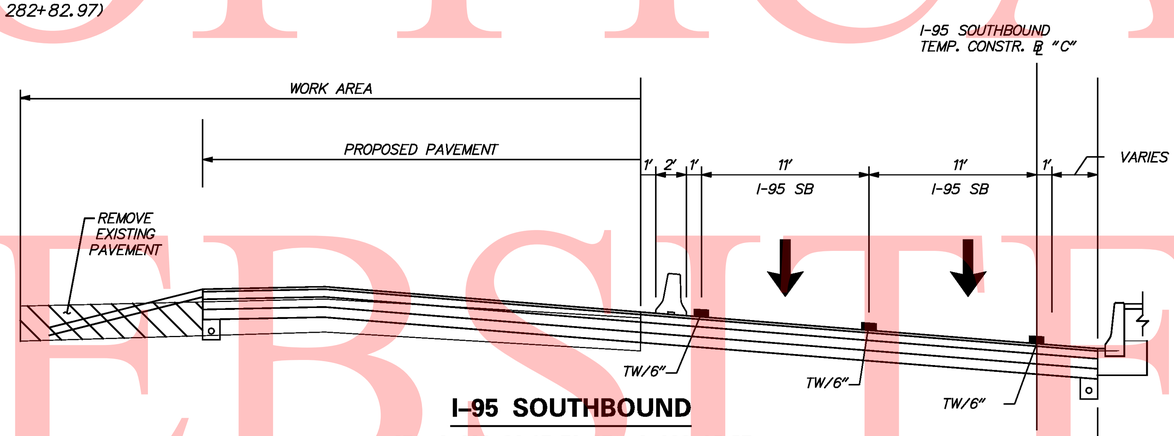
SHEET NO.
354
TOTAL SHTS.
482

TYPICAL SECTIONS



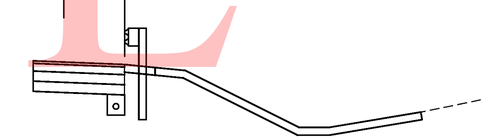
I-95 SOUTHBOUND

STA. 274+79.37 TO STA. 282+80.00 (STA. C 282+82.97)

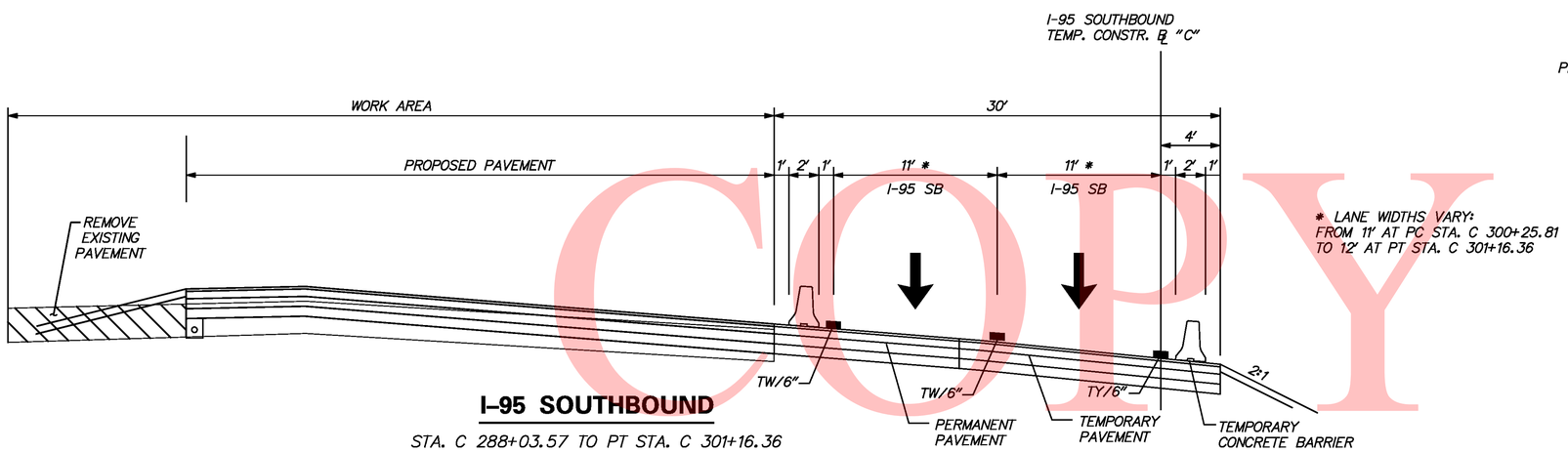


I-95 SOUTHBOUND

STA. C 282+82.97 TO STA. C 288+03.57



PROPOSED STA 284+00.00 TO STA 288+00.00



* LANE WIDTHS VARY:
FROM 11' AT PC STA. C 300+25.81
TO 12' AT PT STA. C 301+16.36

I-95 SOUTHBOUND

STA. C 288+03.57 TO PT STA. C 301+16.36

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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 90 OF 139	SHEET NO. 355
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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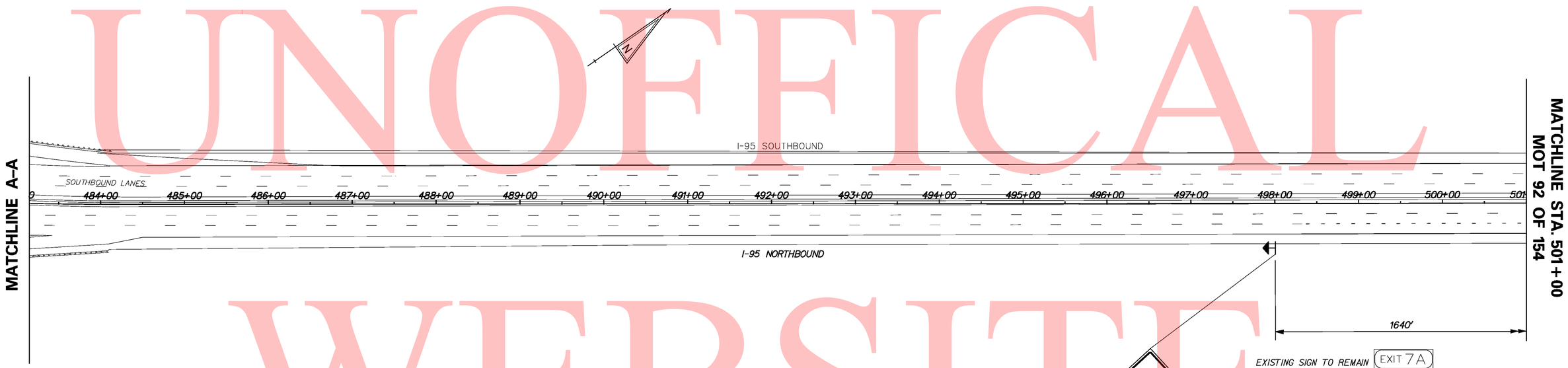

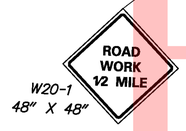

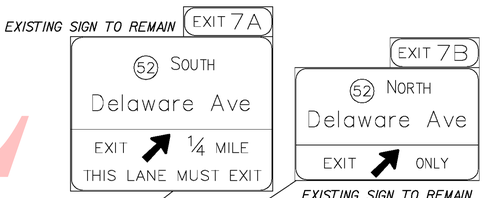

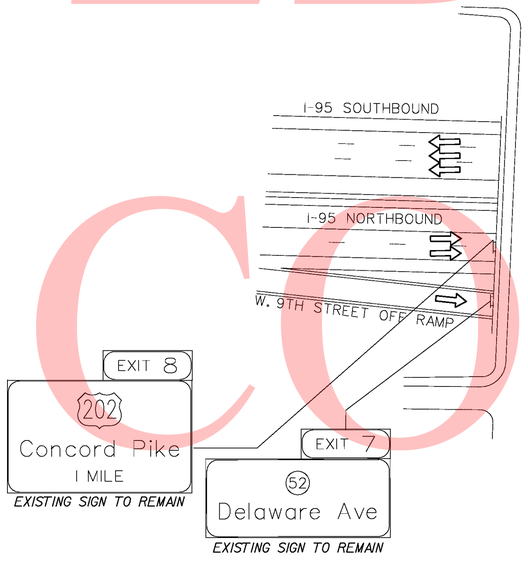

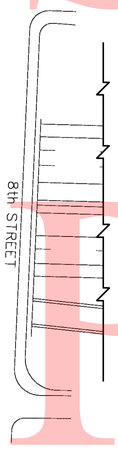

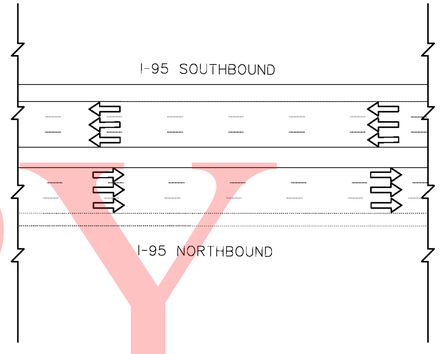

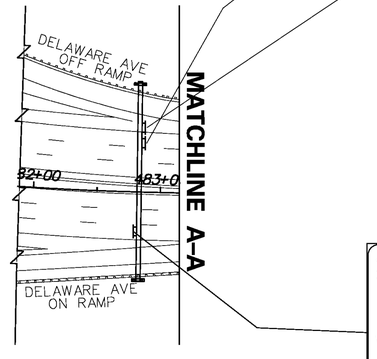

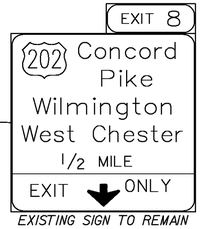

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 60 120 180
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	MT
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 91 OF 139

SHEET NO.
356
TOTAL SHTS.
482

8/18/2010
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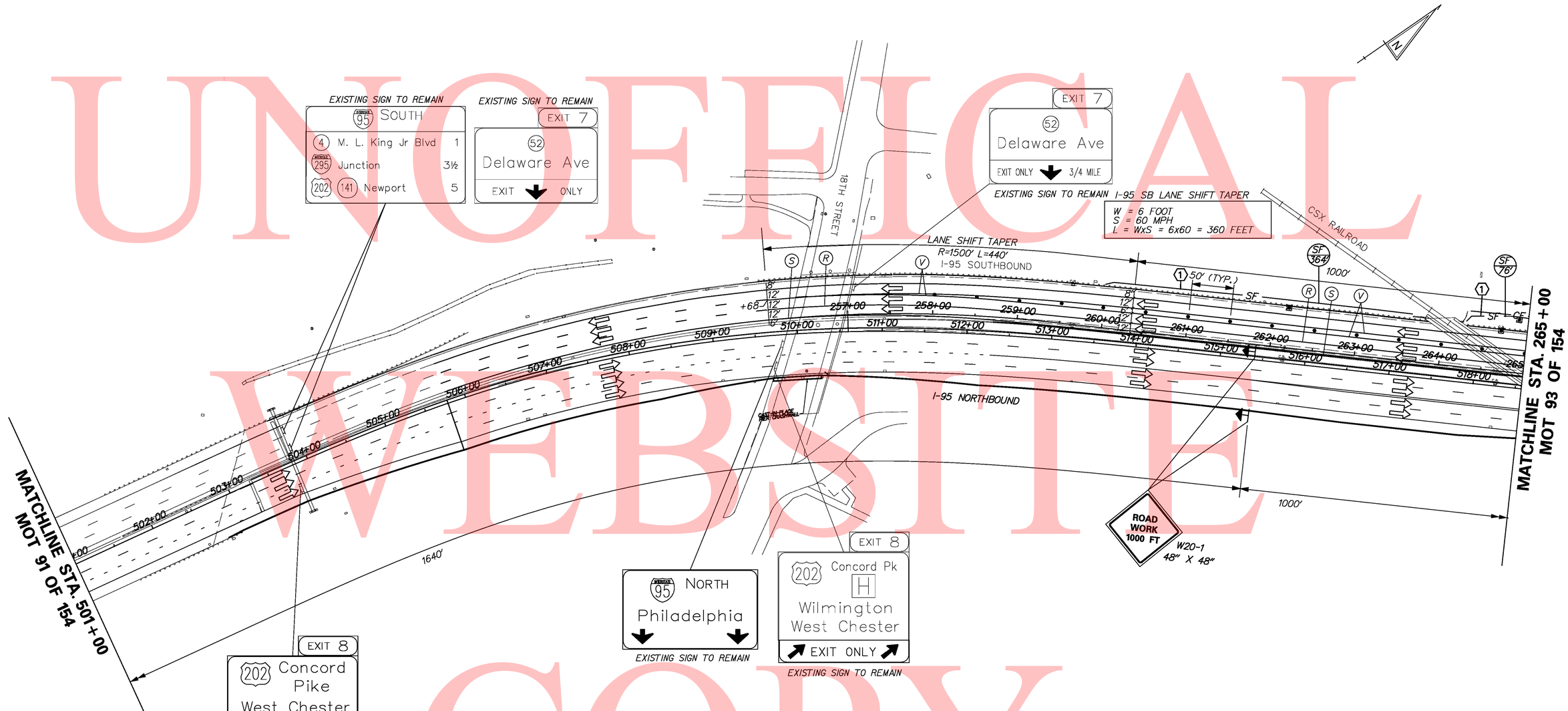

UNOFFICIAL WEBSITE COPY

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	889 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	889 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,778 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

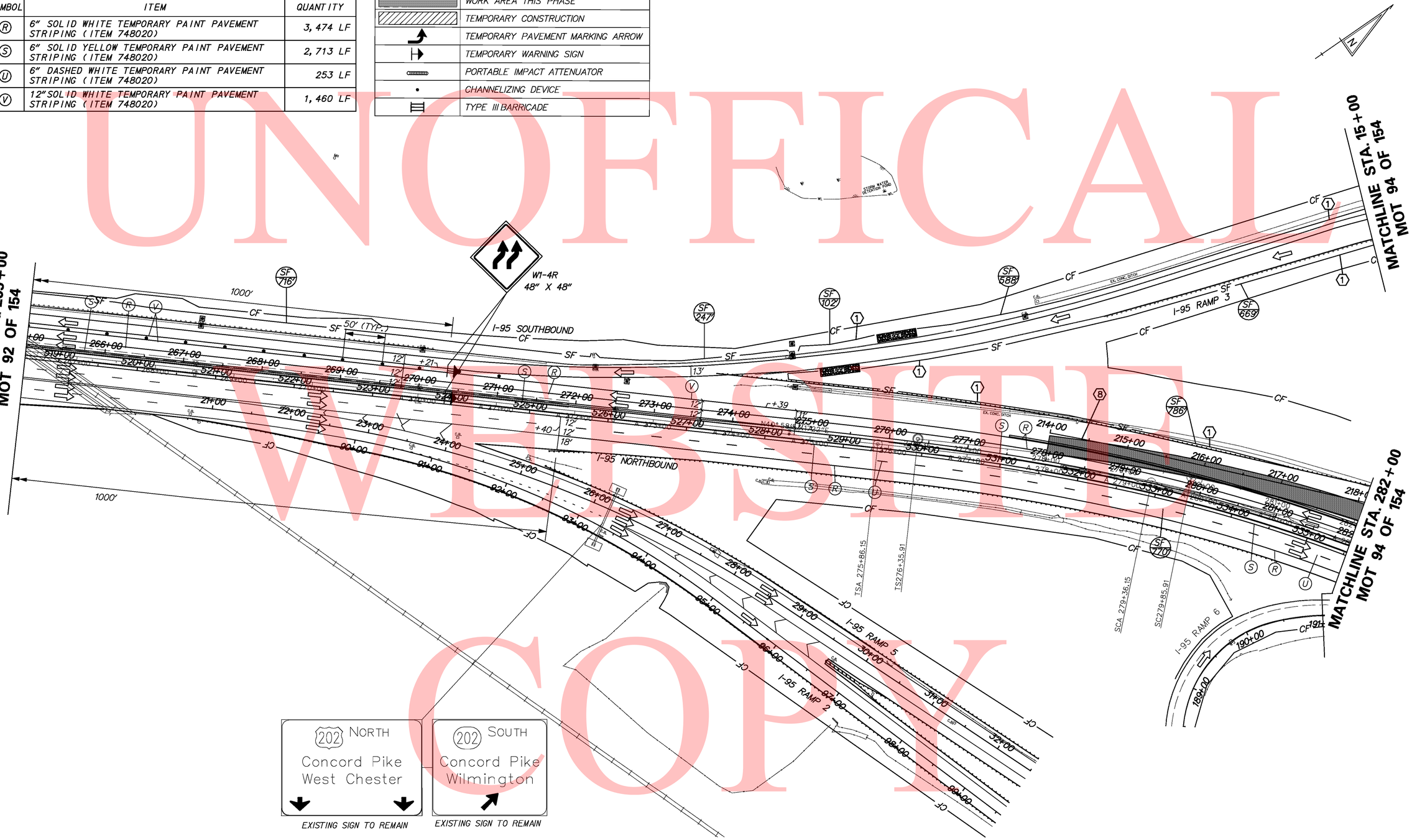
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 92 OF 139

SHEET NO. 357

TOTAL SHTS. 482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	3,474 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,713 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	253 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,460 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 93 OF 139	SHEET NO. 358
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,080 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	540 LF
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	4,122 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,879 LF
(U)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	357 LF
(V)	12" SOLIDWHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	651 LF
(W)	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	113 LF

CONSTRUCTION PHASING LEGEND

(shaded)	WORK AREA THIS PHASE
(hatched)	TEMPORARY CONSTRUCTION
(arrow)	TEMPORARY PAVEMENT MARKING ARROW
(sign)	TEMPORARY WARNING SIGN
(attenuator)	PORTABLE IMPACT ATTENUATOR
•	CHANNELIZING DEVICE
(barricade)	TYPE III BARRICADE

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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

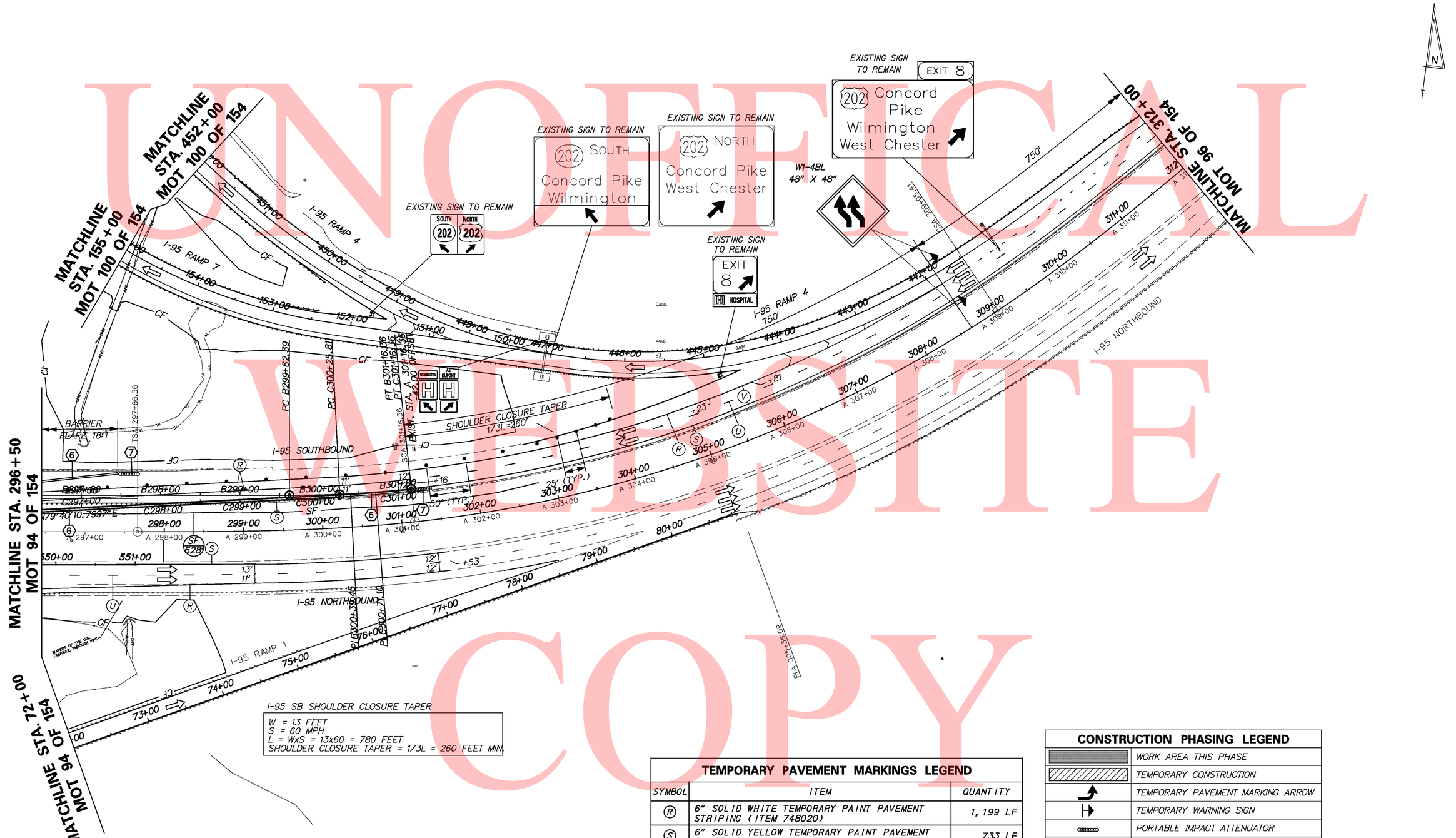
I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY		
NEW CASTLE	CHECKED BY: KMC	

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3

MOT 94 OF 139

SHEET NO.	359
TOTAL SHTS.	482



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,199 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	733 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	67 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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12/9/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

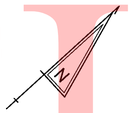
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

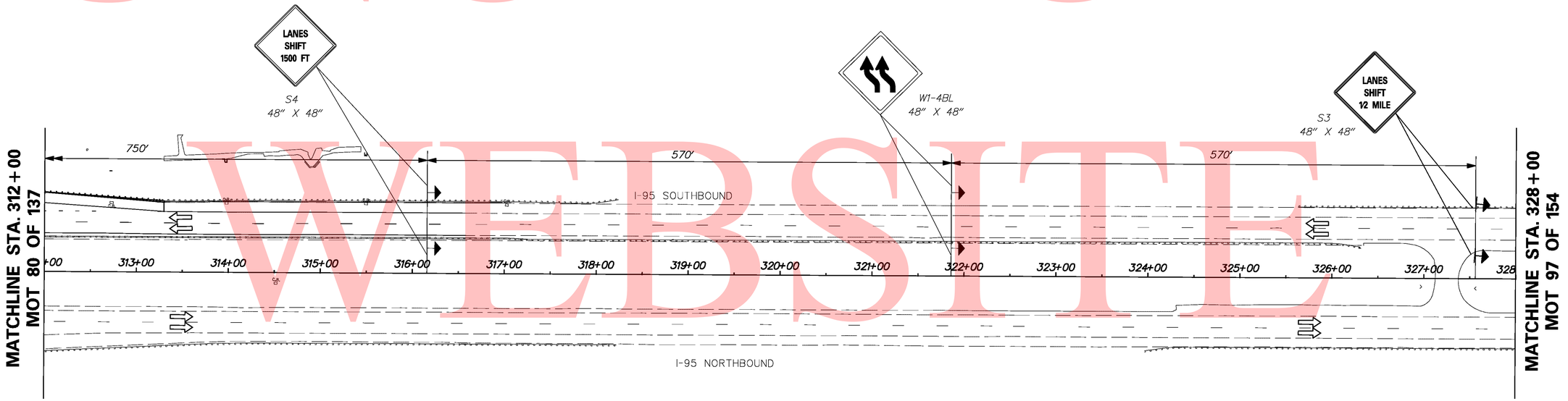
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 95 OF 139

SHEET NO. 360

TOTAL SHTS. 482

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE





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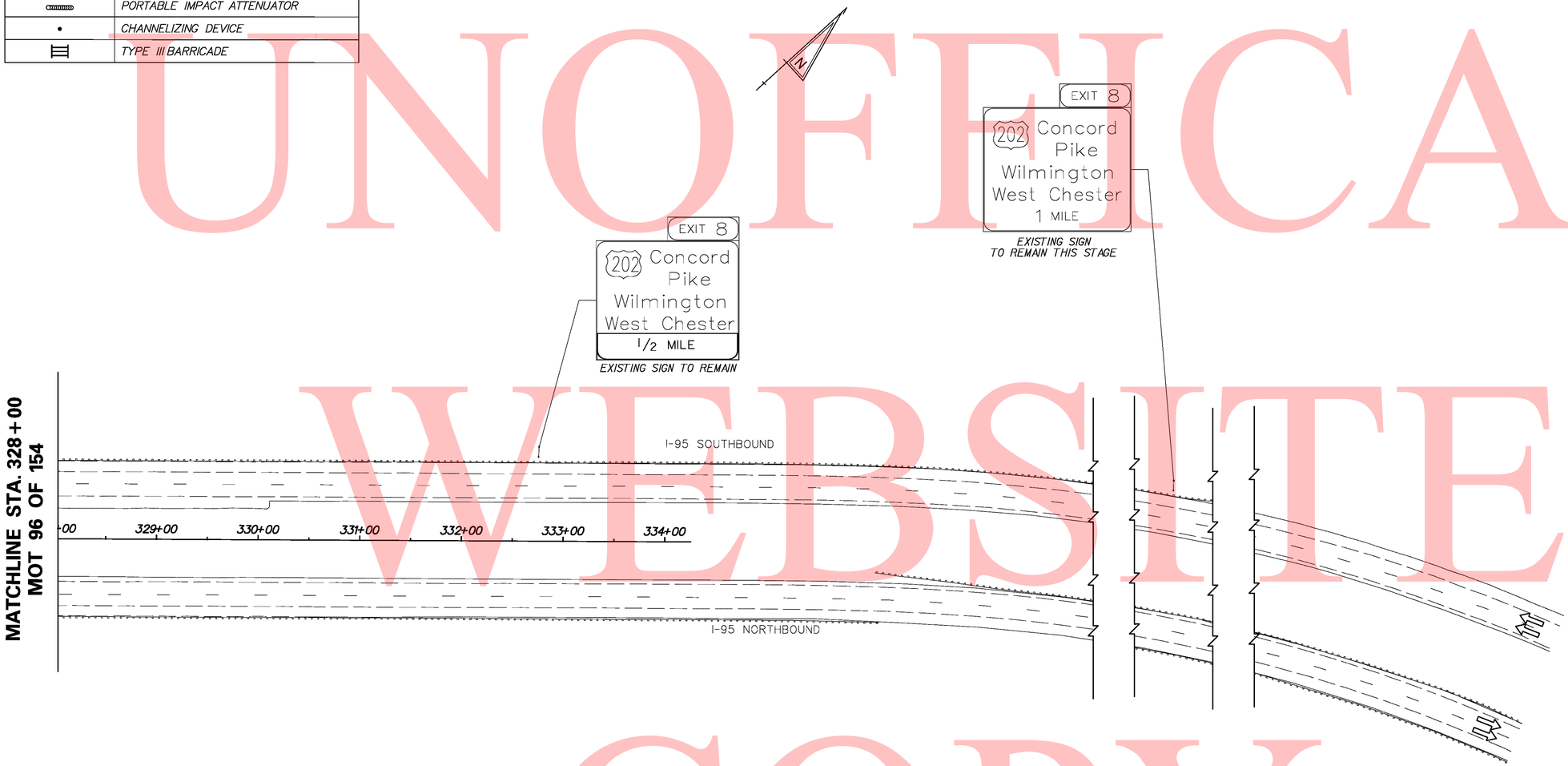
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 96 OF 139	SHEET NO. 361
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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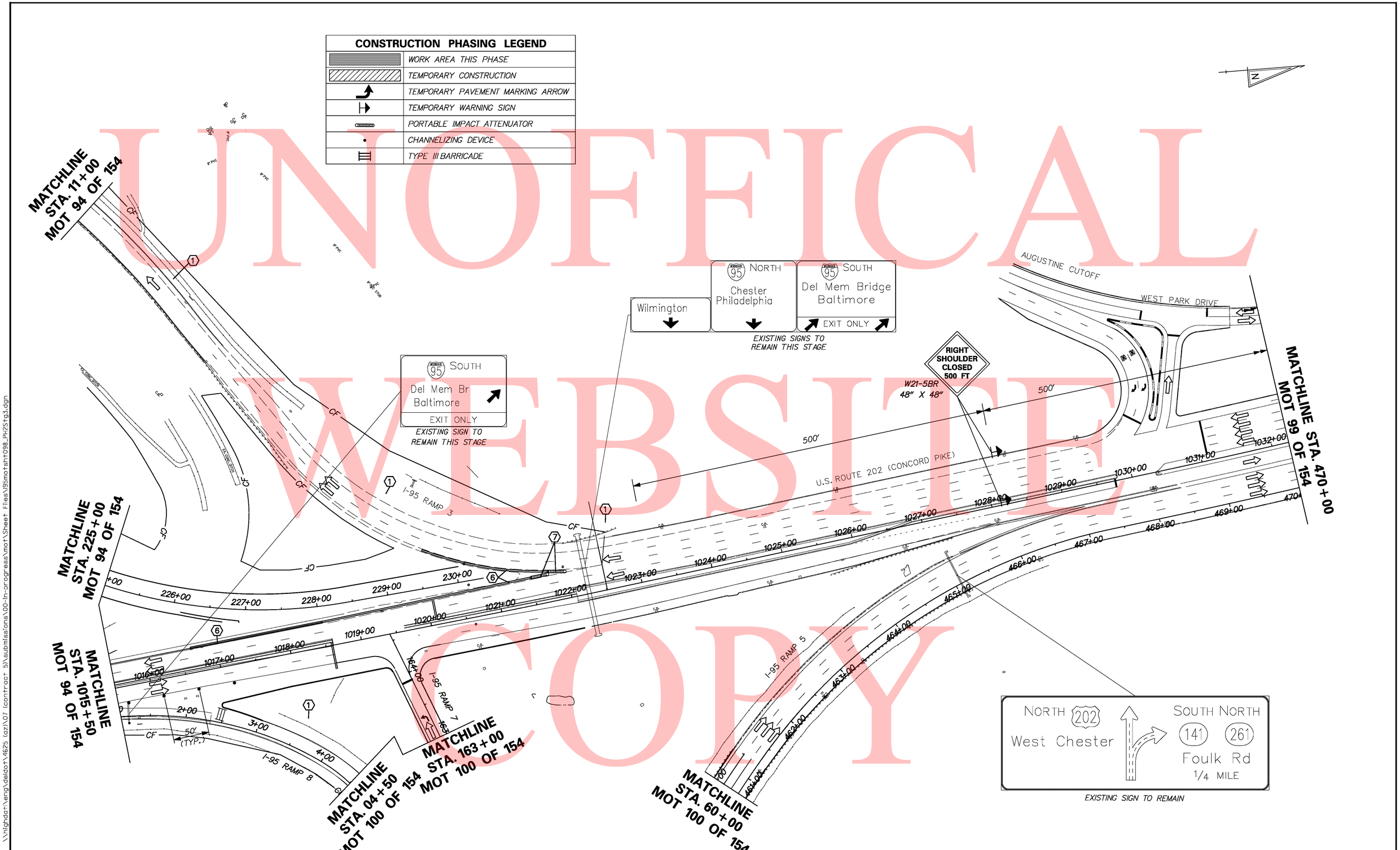
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 97 OF 139	SHEET NO. 362
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



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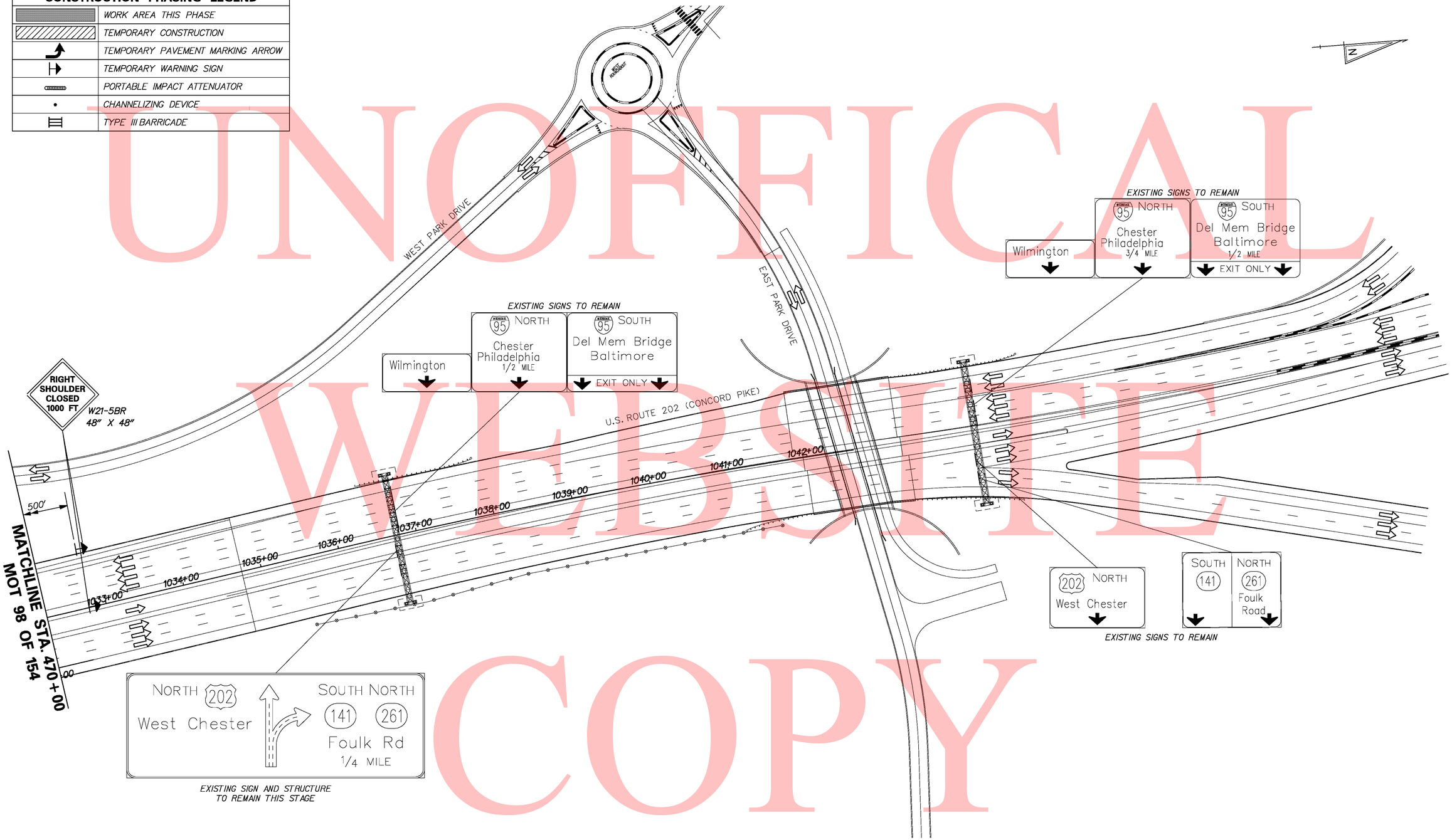
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 98 OF 139	SHEET NO. 363
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 99 OF 139	SHEET NO. 364
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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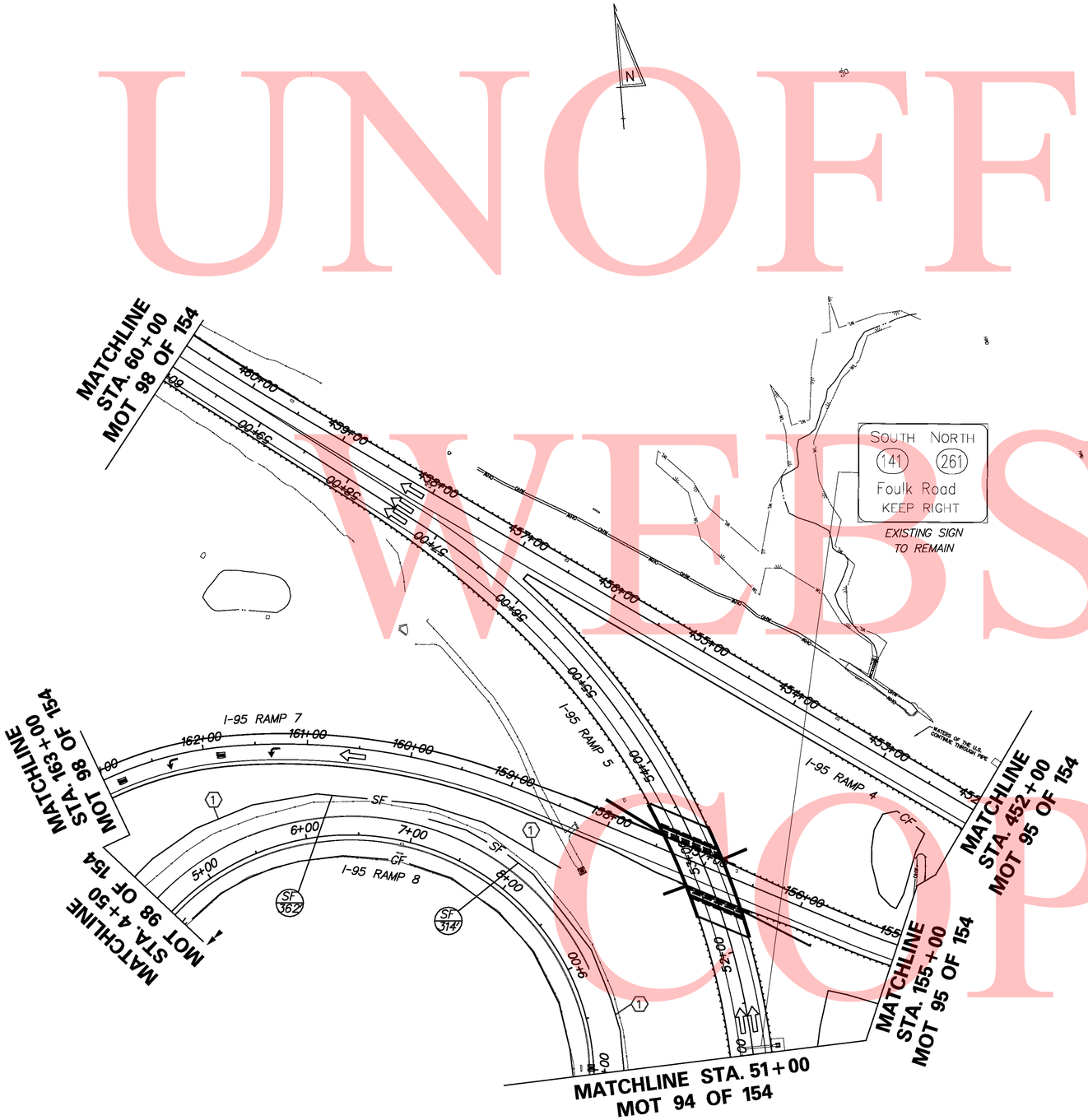
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 3 MOT 100 OF 139	SHEET NO. 365
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

SEQUENCE OF CONSTRUCTION

PHASE 2, STAGE 4

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PHASE 2 STAGE 4 CONSTRUCTION PHASING, MOT & EROSION CONTROL.

2. STABILIZE ALL DISTURBED AREAS WITH TOP SOIL SEED AND MULCH PRIOR TO THE REMOVAL OF THE SEDIMENT CONTROL DEVICES AS DIRECTED BY THE ENGINEER.

3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON I-95 SOUTHBOUND AND US 202 SOUTHBOUND, AS NECESSARY, AND REMOVE EXISTING RAISED PAVEMENT MARKERS ON US 202 SOUTHBOUND FROM STATION 1023+14 TO STATION 1029+46. PLACE TEMPORARY STRIPING ON I-95 SOUTHBOUND, RAMP 8 AND RAMP 3 USING CASE 23-C AND ON US 202 SOUTHBOUND USING CASE 23-B AS SHOWN UNDER PHASE 2, STAGE 4.

4. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 4.

5. ADJUST TEMPORARY SIGNAL AT THE US 202 AND NEW RAMP 7 INTERSECTION TO NEW LANES DESIGNATED.

6. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE TEMPORARY CONCRETE BARRIER TO:
   - THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION 260+34 TO STATION 275+80
   - THE RIGHT SIDE OF US 202 SOUTHBOUND STATION 1016+64 TO STATION 1020+00
   - THE RIGHT SIDE OF US 202 SOUTHBOUND STATION 1020+15 TO STATION 1022+70

   THE TEMPORARY CONCRETE BARRIER ON THE RIGHT SIDE OF US 202 SOUTHBOUND FROM STATION 1016+64 TO STATION 1020+00 REMAINS IN THE SAME LOCATION AS PHASE 2, STAGE 2.

7. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE PORTABLE IMPACT ATTENUATORS:
   - FROM I-95 SOUTHBOUND STATION 301+16 TO I-95 SOUTHBOUND STATION 275+80
   - FROM I-95 SOUTHBOUND STATION 297+46 TO US 202 SB STATION 1022+70
   - FROM US 202 SOUTHBOUND STATION 1021+50 TO US 202 SOUTHBOUND STATION 1020+00.

8. CONSTRUCT THE RIGHT SIDE OF I-95 SOUTHBOUND FROM STATION 260+94 TO STATION 274+79.

9. REMOVE EXISTING RAMP 3.

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11/3/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

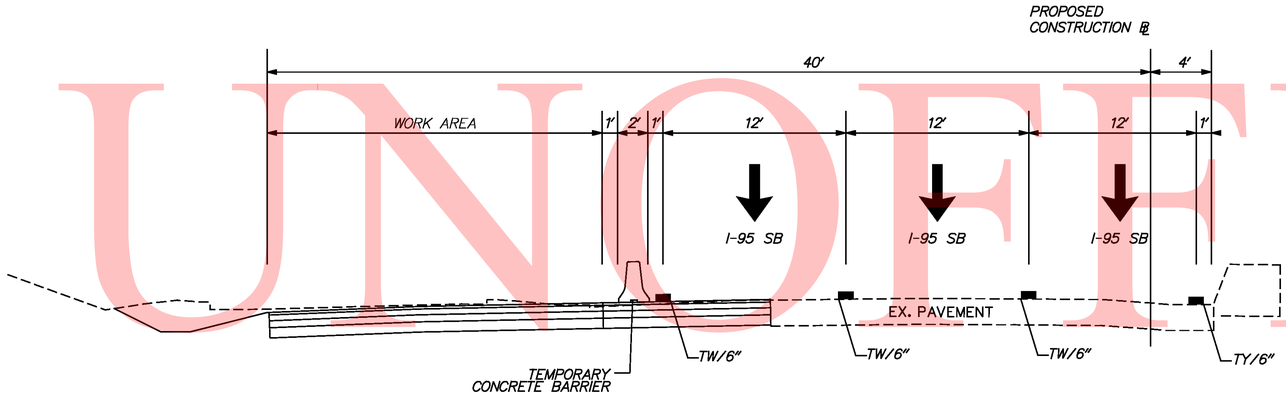
SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 101 OF 139

SHEET NO.
366
TOTAL SHTS.
482



I-95 SOUTHBOUND

PROPOSED STA 260+34.01 TO STA 275+79.72

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11/8/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

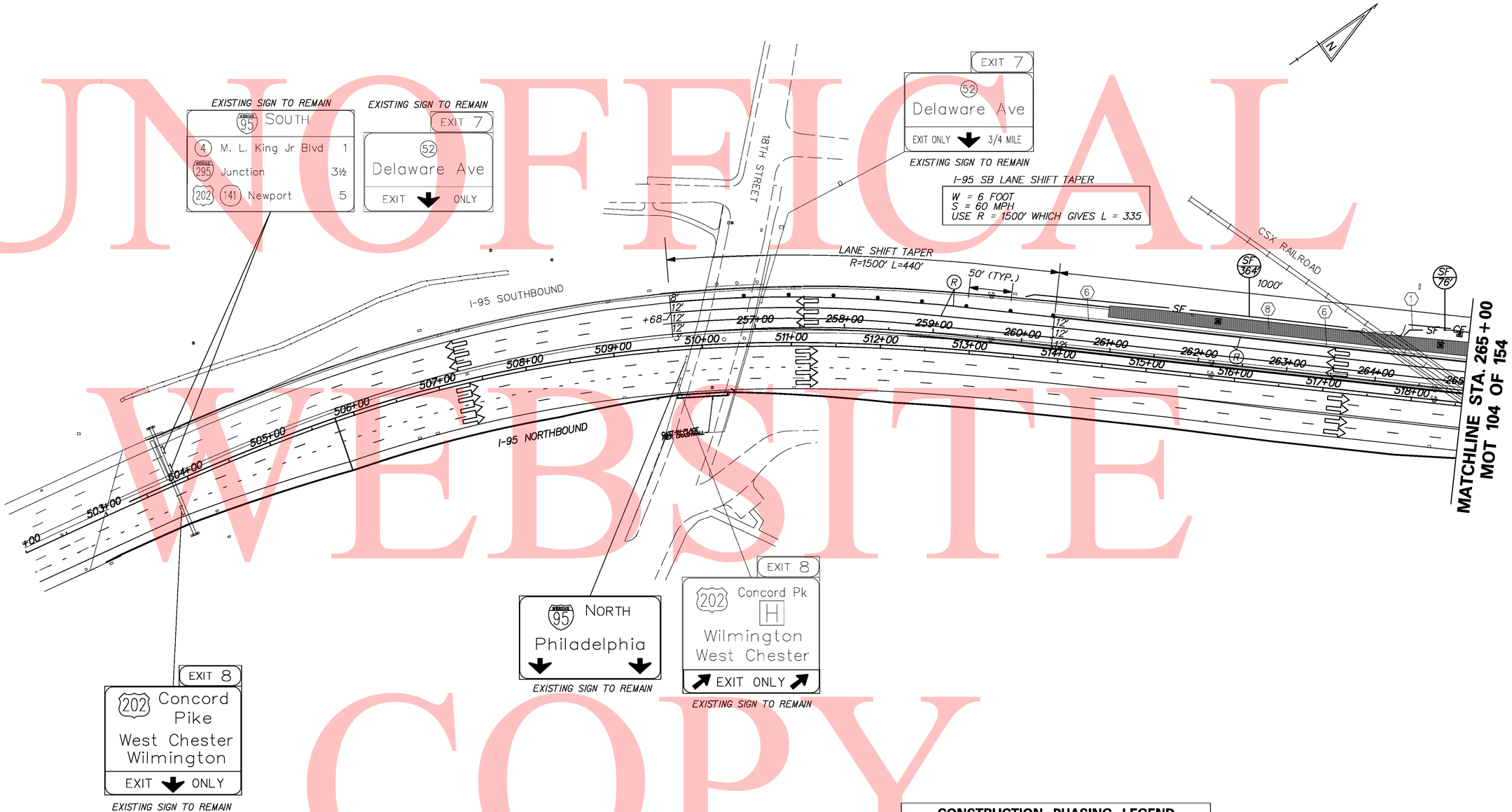
I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE

BRIDGE NO. NA
DESIGNED BY: DJD / REM
CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 102 OF 139

SHEET NO. 367
TOTAL SHTS. 482



CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,970 LF

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 103 OF 139	SHEET NO. 368
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,545 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	162 LF
Ⓥ	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	607 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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COPY

I-95 RAMP 3 SHOULDER CLOSURE TAPER

W = 22 FEET
S = 60
L = WxS = 22x60 = 1320 FEET
SHOULDER CLOSURE TAPER = 1/3L = 440 FEET MIN.

I-95 SB LANE SHIFT TAPER

W = 3 FEET
S = 60 MPH
L=W x S = 180 FEET

MATCHLINE STA. 265+00
MOT 103 OF 154

MATCHLINE STA. 15+00
MOT 105 OF 154

MATCHLINE STA. 282+00
MOT 105 OF 154

W1-4CR
48" X 48"

1000'

I-95 SOUTHBOUND

I-95 NORTHBOUND

I-95 RAMP 3

I-95 RAMP 5

I-95 RAMP 2

I-95 RAMP

BARRIER FLARE
08:1

50' (TYP.)

SHOULDER CLOSURE TAPER
1/3 L = 440'

25' (TYP.)

LANE SHIFT TAPER
L=180'

STORM WATER DETENTION POND

EX. CONC. DITCH

CSX RAILROAD

202 NORTH
Concord Pike
West Chester

EXISTING SIGN TO REMAIN

202 SOUTH
Concord Pike
Wilmington

EXISTING SIGN TO REMAIN

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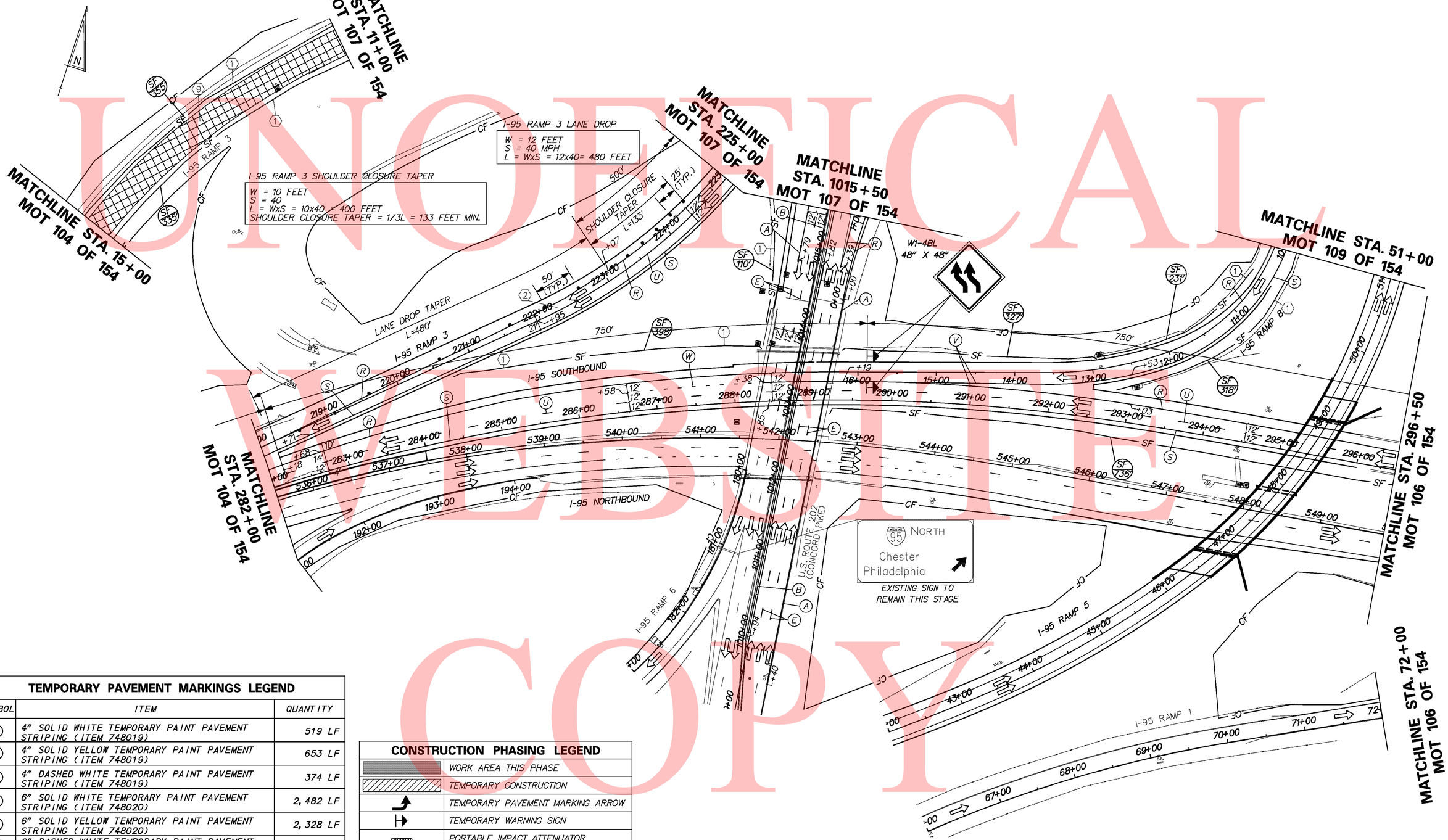
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 104 OF 139	SHEET NO. 369
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	519 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	653 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	374 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,482 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,328 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,435 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,142 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 105 OF 139

SHEET NO. 370

TOTAL SHTS. 482

\\highdat\eng\deldot\4625 (az)\07 (contract 5)\submissions\00-in-progress\mot\Sheet Files\I95motsht105_PH2S+g4.dgn

8/18/2010

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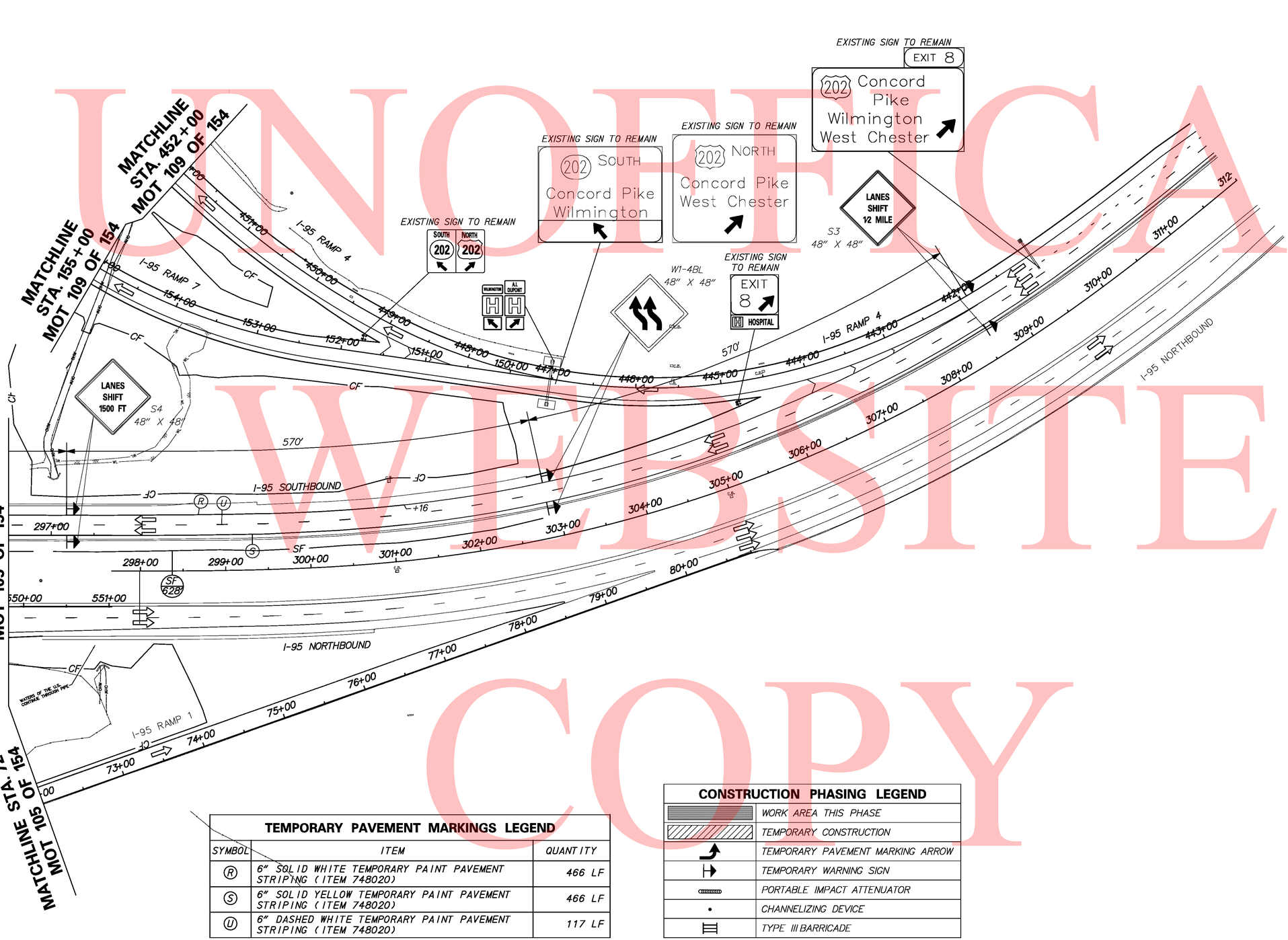

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	466 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	466 LF
Ⓤ	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	117 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE

BRIDGE NO. NA
DESIGNED BY: DJD / REM
CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 106 OF 139

SHEET NO. 371
TOTAL SHTS. 482

8/18/2010

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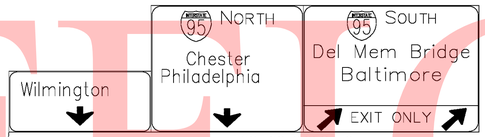
TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	944 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,238 LF
(E)	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	512 LF
(R)	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	2,026 LF
(S)	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,532 LF
(T)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	202 LF
(U)	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	148 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



EXISTING SIGNS TO REMAIN THIS STAGE

MATCHLINE STA. 11+50 MOT 105 OF 154

I-95 RAMP 3

W4-2R 48" X 30"

I-95 RAMP 3 SHOULDER CLOSURE TAPER

W = 10 FEET
S = 40 MPH
L = WxS = 10x40 = 400 FEET
SHOULDER CLOSURE TAPER = 1/3L = 133 FEET MIN.

RIGHT LANE CLOSED 1000 FT
ON RAMP
W20-5R 48" X 48"
W13-4 36" X 36"

RIGHT SHOULDER CLOSED 500 FT
ON RAMP
W21-5BR 48" X 48"
W13-4 36" X 36"

AUGUSTINE CUTOFF
WEST PARK DR

RELOCATE EXISTING SIGNS
EXIT
35 MPH

R11-2 48" X 30"
ROAD CLOSED

SHOULDER CLOSURE TAPER
1/3 L = 133'
BARRIER FLARE 10:1
50' (TYP.)
25' (TYP.)

U.S. ROUTE 202 (CONCORD PIKE)

MATCHLINE STA. 225+00 MOT 105 OF 154

MATCHLINE STA. 1015+50 MOT 105 OF 154

MATCHLINE STA. 04+50 MOT 109 OF 154

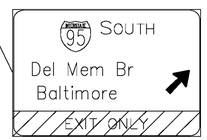
MATCHLINE STA. 163+00 MOT 109 OF 154

MATCHLINE STA. 460+00 MOT 109 OF 154

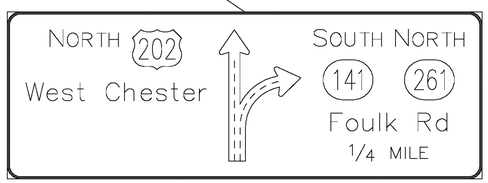
MATCHLINE STA. 470+00 MOT 108 OF 154

I-95 RAMP 8

I-95 RAMP 5



COVER "EXIT ONLY" PANEL ON EXISTING SIGN



EXISTING SIGN TO REMAIN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602 / COUNTY NEW CASTLE	BRIDGE NO. NA / DESIGNED BY: DJD / REM / CHECKED BY: KMC	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 107 OF 139	SHEET NO. 372 / TOTAL SHTS. 482

8/18/2010

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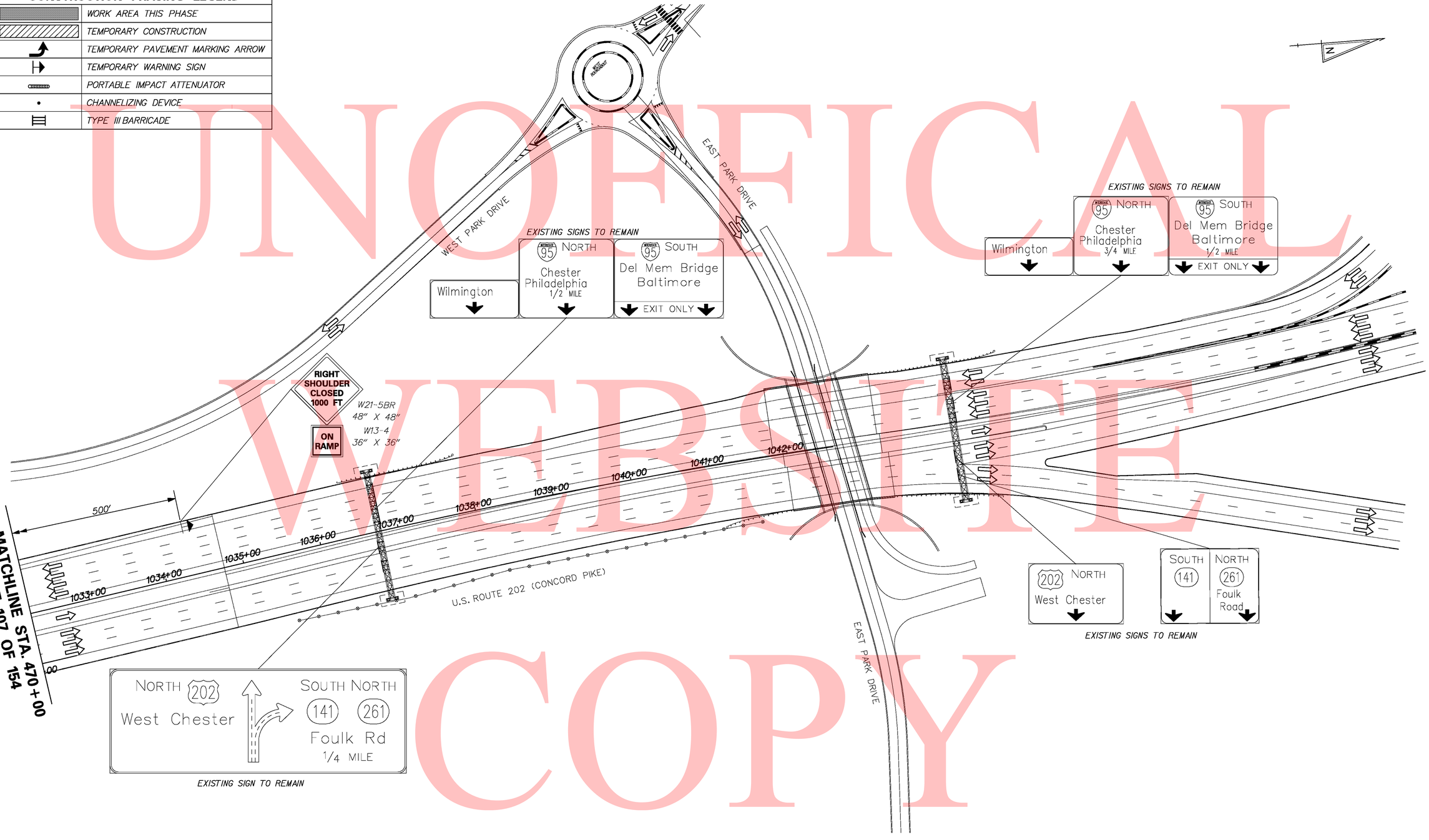
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



UNOFFICAL WEBSITE COPY

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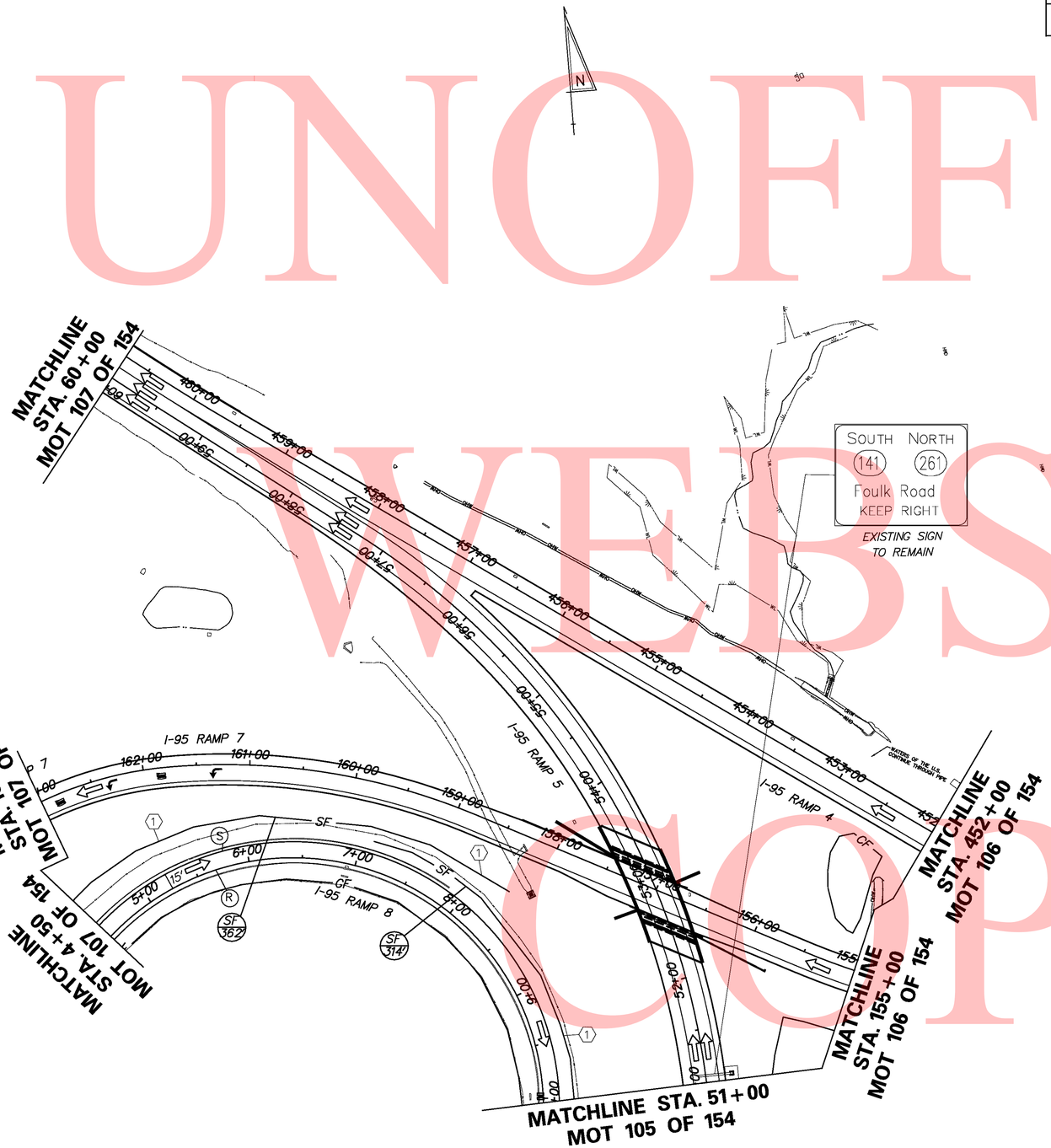
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 108 OF 139	SHEET NO. 373
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

UNOFFICAL WEBSITE COPY

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	554 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	554 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 4 MOT 109 OF 139	SHEET NO. 374
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

8/18/2010

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SEQUENCE OF CONSTRUCTION

PHASE 2, STAGE 5

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PHASE 2 STAGE 5 CONSTRUCTION PHASING, MOT & EROSION CONTROL.
2. STABILIZE ALL DISTURBED AREAS WITH TOP SOIL SEED AND MULCH PRIOR TO THE REMOVAL OF THE SEDIMENT CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON I-95 SOUTHBOUND AND RAMP 3, AS NECESSARY. PLACE TEMPORARY STRIPING ON I-95 SOUTHBOUND AND RAMP 3 USING CASE 23-C AS SHOWN UNDER PHASE 2, STAGE 4.
4. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 2, STAGE 5.
5. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE TEMPORARY CONCRETE BARRIER TO THE RIGHT SIDE OF I-95 NORTHBOUND FROM STATION 289+06 TO STATION 302+27.
6. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, RELOCATE PORTABLE IMPACT ATTENUATOR FROM I-95 SOUTHBOUND STATION 275+80 TO I-95 SOUTHBOUND STATION 302+27. THE PORTABLE IMPACT ATTENUATOR FROM PHASE 2, STAGE 4 REMAINS IN PLACE AT US 202 SOUTHBOUND 1020+00.
7. REMOVE TEMPORARY PAVEMENT ON THE LEFT SIDE OF I-95 SOUTHBOUND FROM STATION 289+05 TO STATION 302+25.

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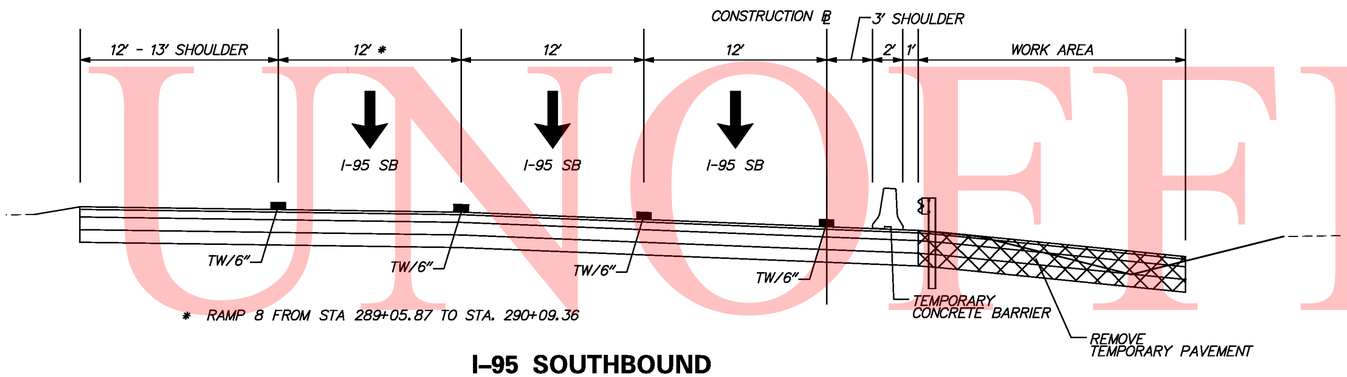
11/3/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 110 OF 139	SHEET NO. 375
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

TYPICAL SECTION



* RAMP 8 FROM STA 289+05.87 TO STA. 290+09.36

I-95 SOUTHBOUND

PROPOSED STA 289+05.87 TO STA 302+26.51

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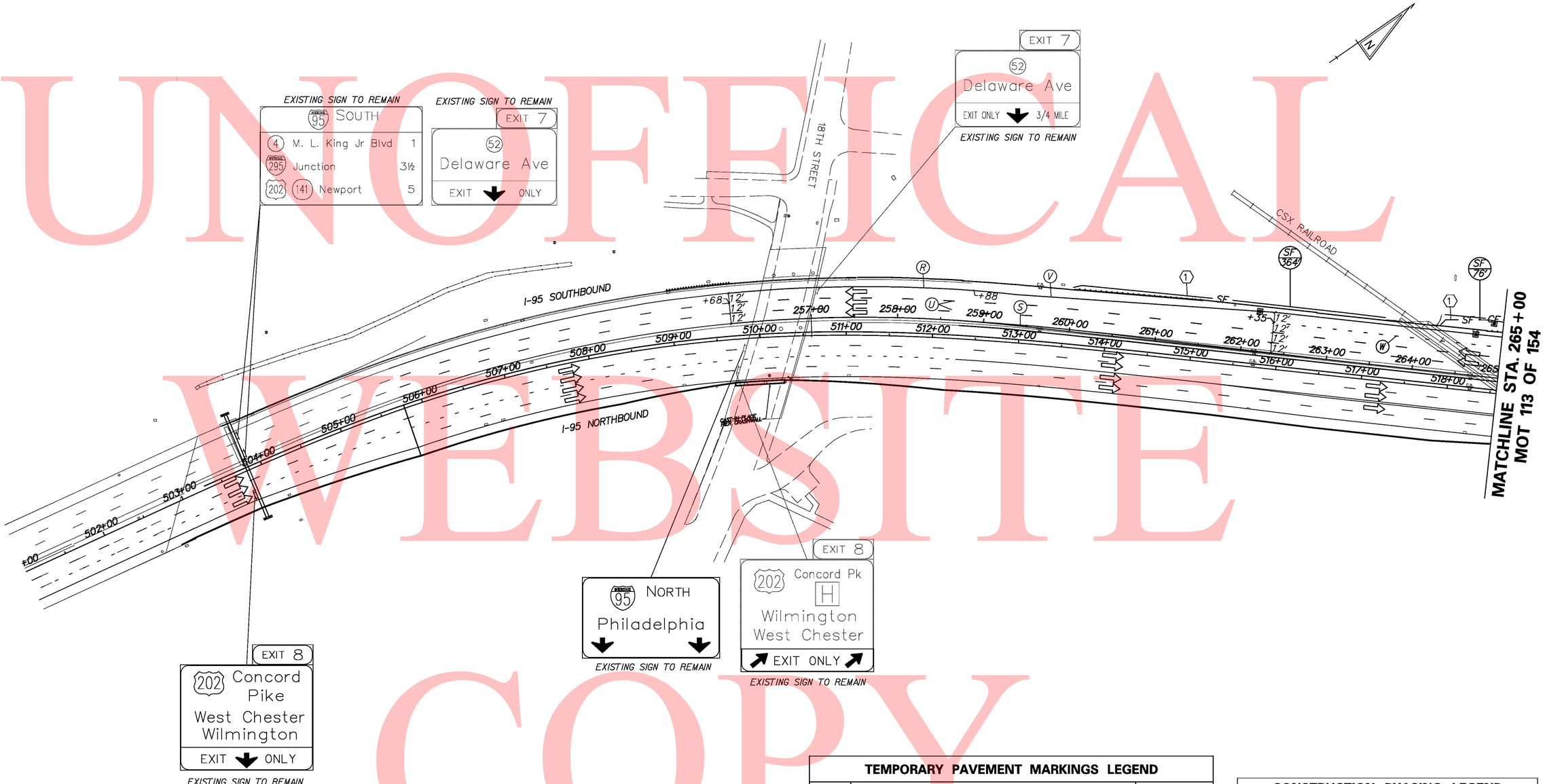
11/8/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 111 OF 139	SHEET NO. 376
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



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TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	280 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	892 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	446 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	612 LF
W	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	66 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

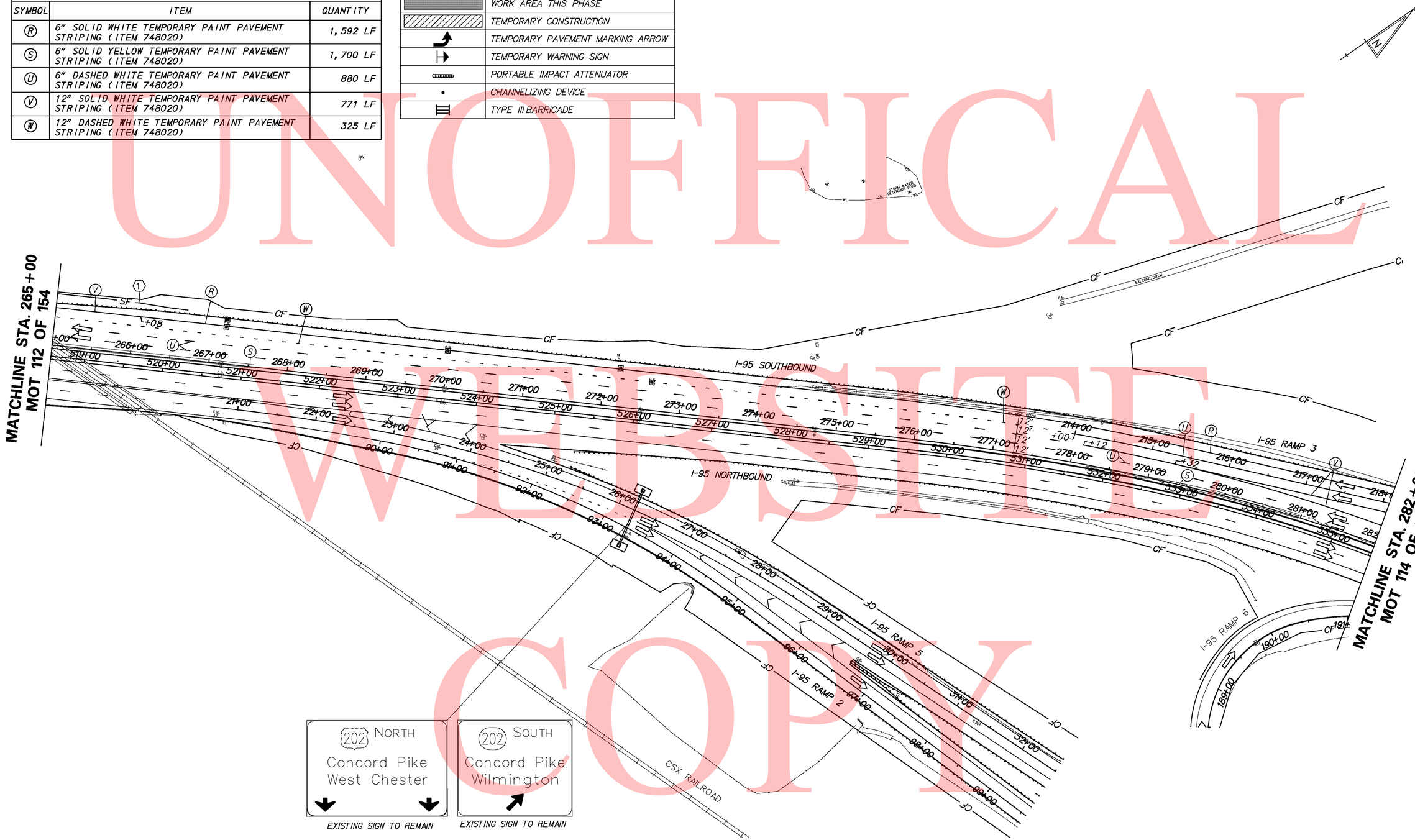
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 112 OF 139

SHEET NO. 377

TOTAL SHTS. 482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,592 LF
S	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	1,700 LF
U	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	880 LF
V	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	771 LF
W	12" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	325 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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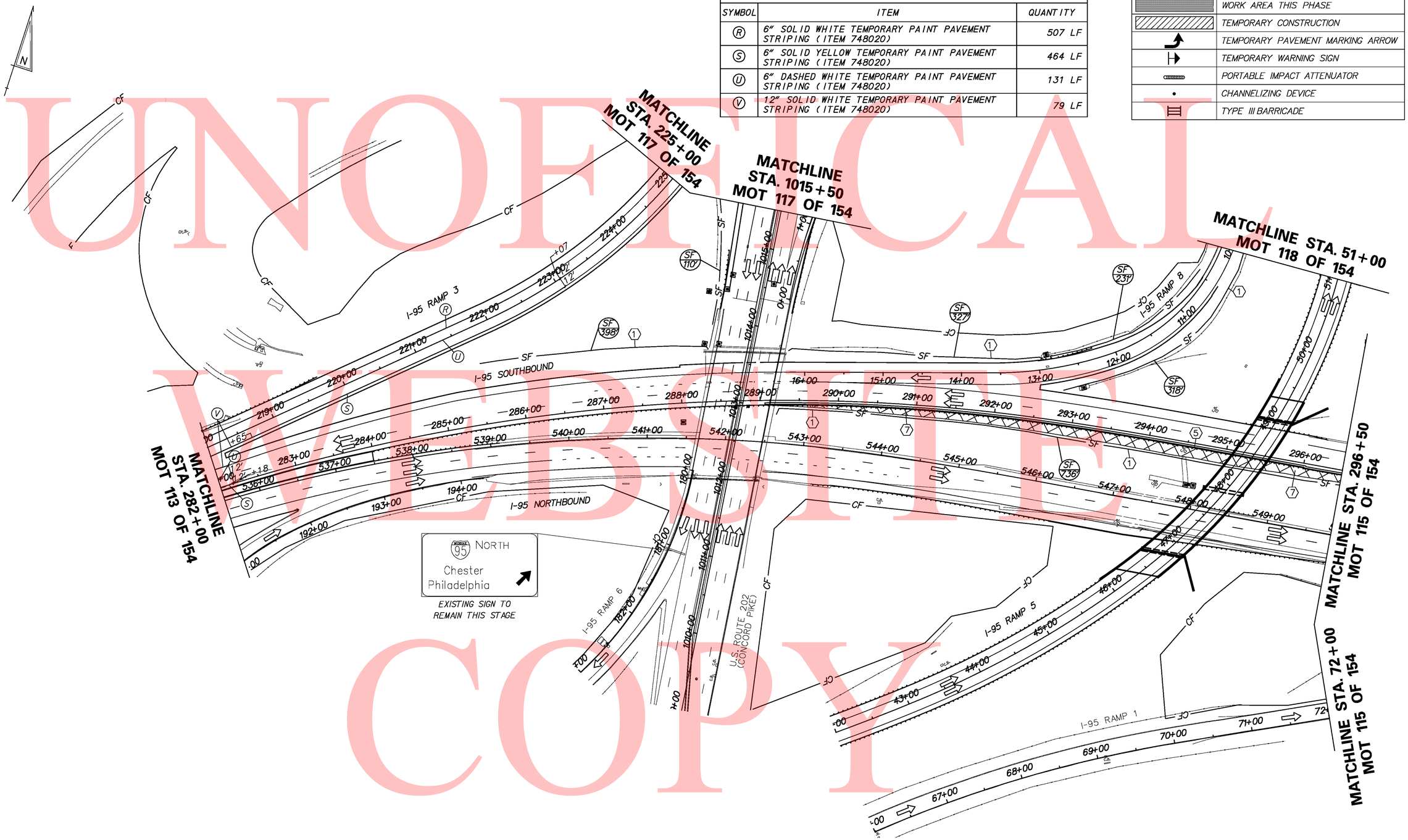
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 113 OF 139	SHEET NO. 378
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

UNOFFICIAL WEBSITE COPY

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	507 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	464 LF
Ⓤ	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	131 LF
Ⓥ	12" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	79 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5
MOT 114 OF 139

SHEET NO.
379
TOTAL SHTS.
482

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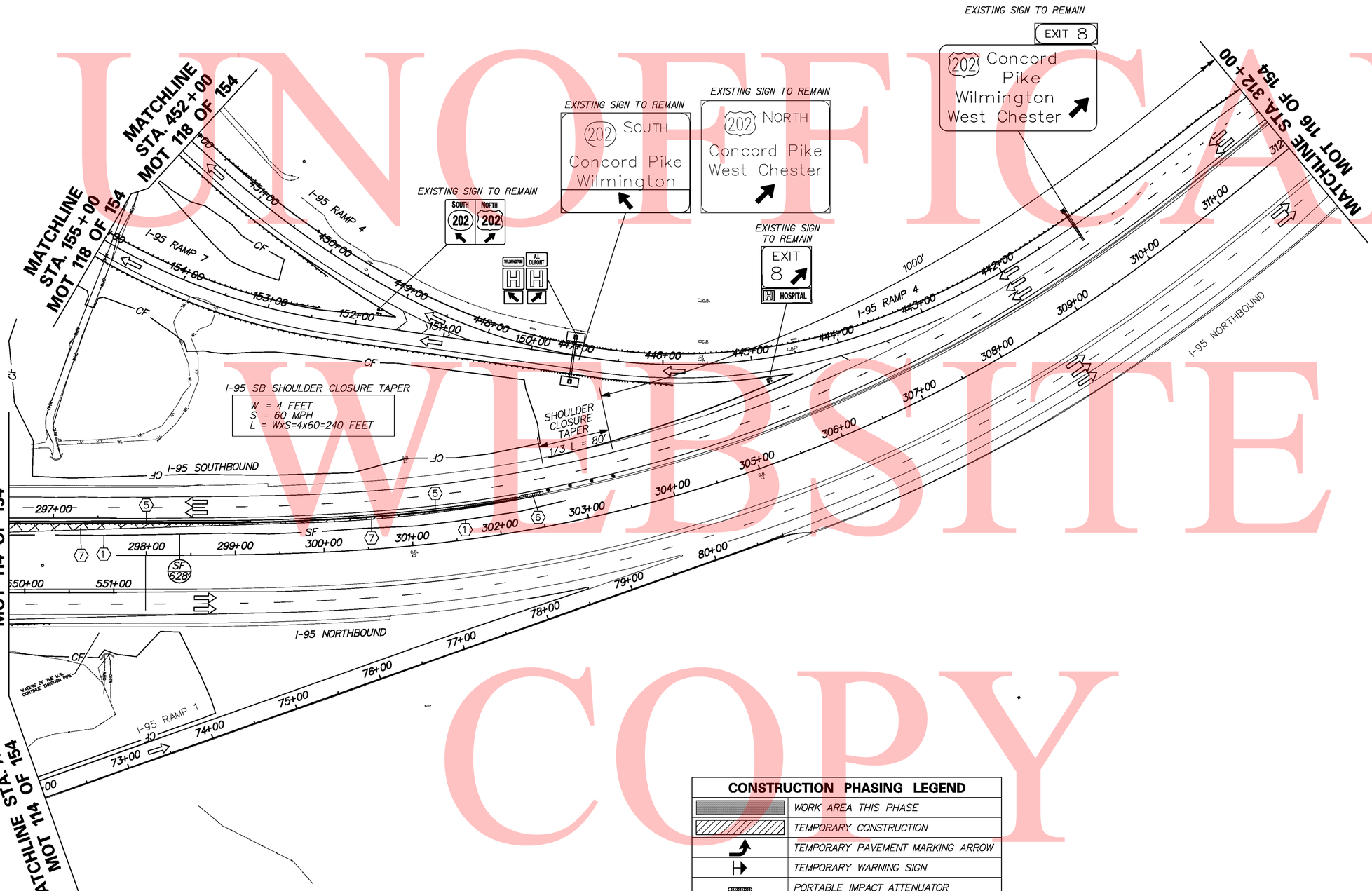

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	
COUNTY	NEW CASTLE	
BRIDGE NO.	NA	
DESIGNED BY:	DJD / REM	
CHECKED BY:	KMC	

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 115 OF 139

SHEET NO.	380
TOTAL SHTS.	482

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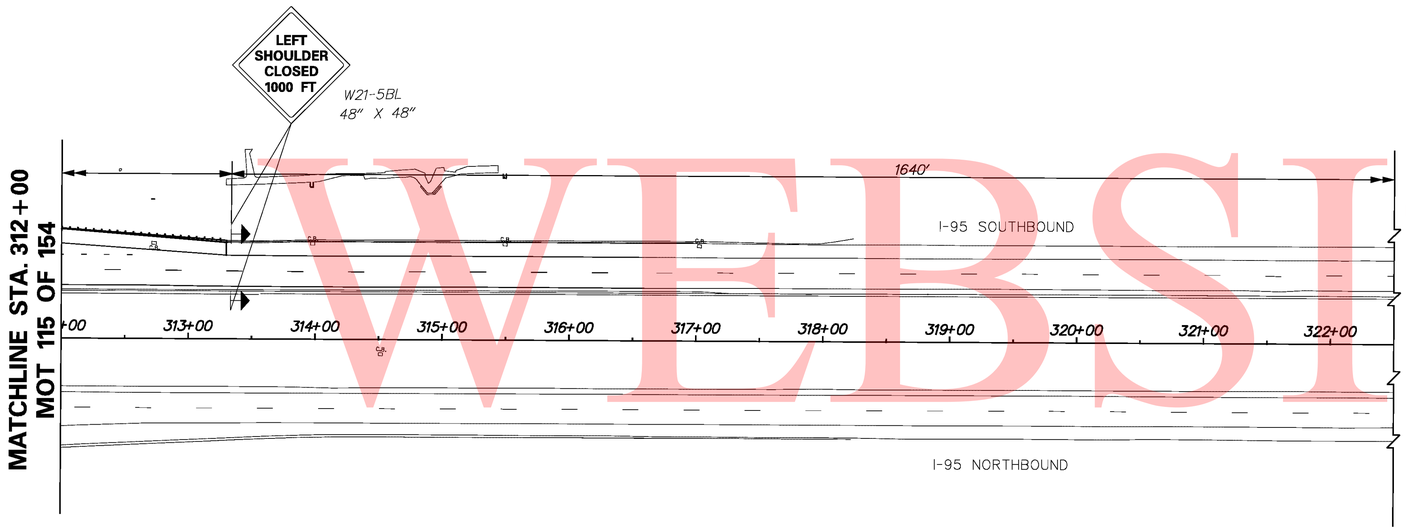

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE

BRIDGE NO. NA
DESIGNED BY: DJD / REM
CHECKED BY: KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 116 OF 139

SHEET NO. 381
TOTAL SHTS. 482

8/18/2010
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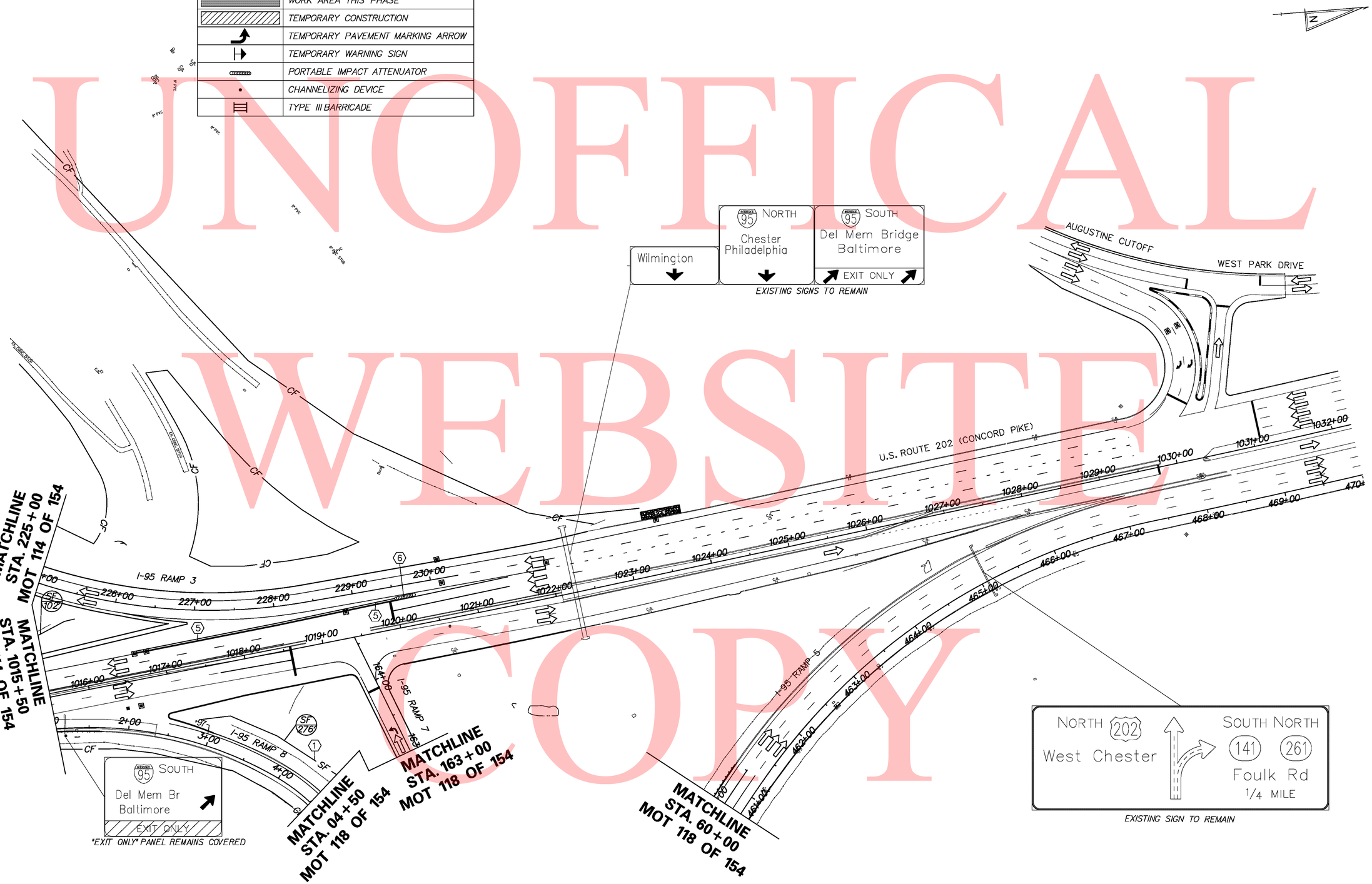
CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 117 OF 139
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM	SHEET NO. 382
					CHECKED BY: KMC	TOTAL SHTS. 482

8/18/2010

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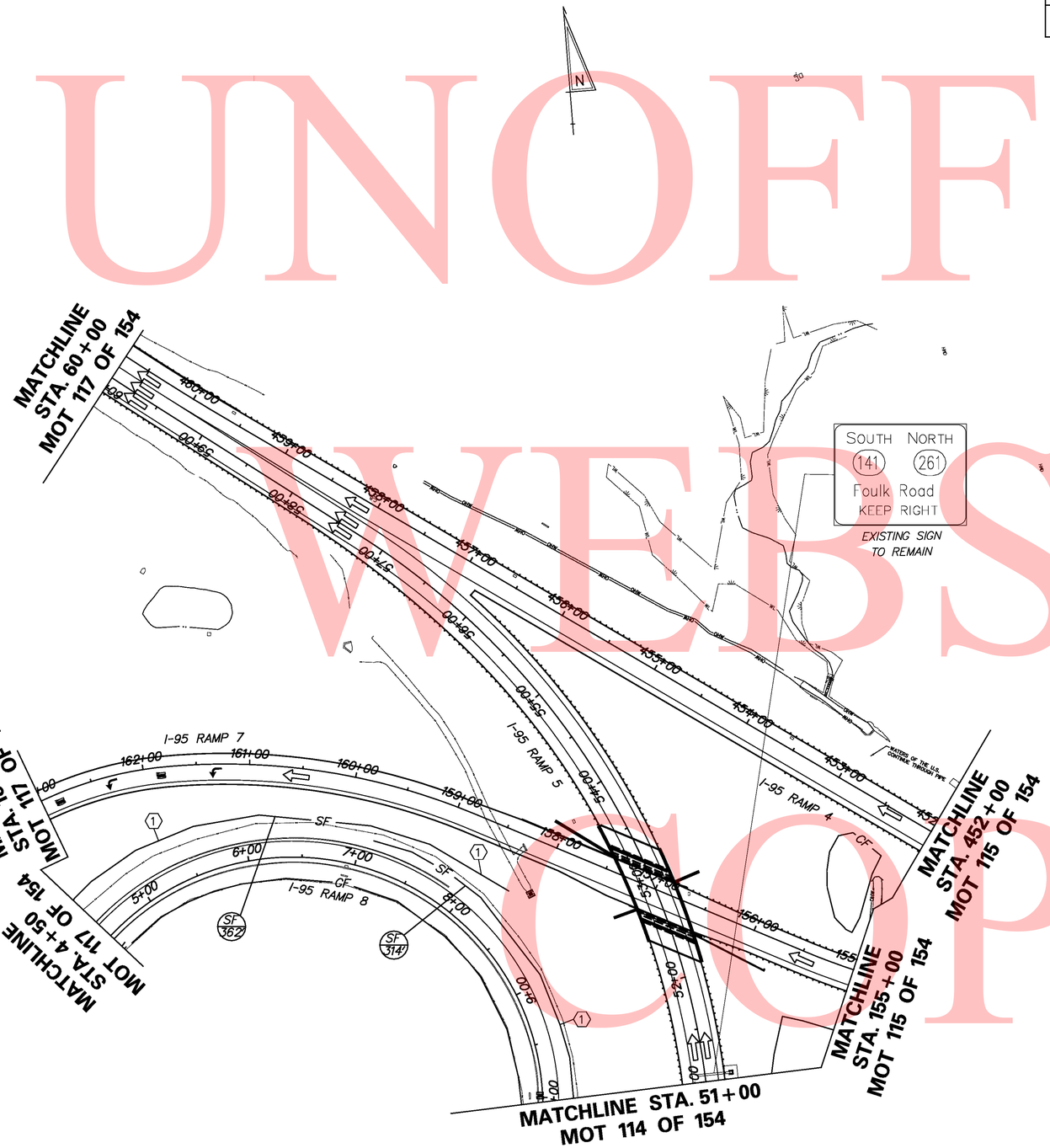
UNOFFICAL WEBSITE COPY

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	918 LF
Ⓢ	6" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	459 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 2, STAGE 5 MOT 118 OF 139	SHEET NO. 383
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

SEQUENCE OF CONSTRUCTION

PHASE 3 - STAGE 1

1. DURING NIGHT WORK HOURS: USING CASE 7 OF THE TRAFFIC CONTROL MANUAL, CLOSE THE LANE ADJACENT TO THE EXISTING MEDIAN ON BOTH DIRECTIONS OF U.S. 202 TO REMOVE THE EXISTING MEDIAN FROM STATION 1007+00 TO STATION 1011+65 AND FROM STATION 1014+18 TO STATION 1018+60.

2. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON U.S. 202 NORTHBOUND AND SOUTHBOUND, AS NECESSARY, AND REMOVE EXISTING RAISED PAVEMENT MARKERS ON U.S. 202 NORTHBOUND FROM STATION 1015+00 TO STATION 1018+60. PLACE TEMPORARY STRIPING ON U.S. 202 NORTHBOUND AND SOUTHBOUND USING CASE 23-B AS SHOWN UNDER PHASE 3, STAGE 1 TRAFFIC CONTROL.

3. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, INSTALL TRAFFIC CONTROL SIGNS AND DEVICES AND INSTALL TEMPORARY CONCRETE BARRIER AND ATTENUATORS ON U.S. 202 NORTHBOUND FROM STATION 1008+82 TO STATION 1014+30 AND ON U.S. 202 SOUTHBOUND FROM STATION 1006+07 TO STATION 1018+60. MAINTAIN 11-FOOT LANE WIDTHS ON US 202 NORTHBOUND AND 12-FOOT LANE WIDTHS ON US 202 SOUTHBOUND AS INDICATED ON THE PLANS AND TYPICAL SECTIONS.

4. COVER "EXIT ONLY" PANEL ON EXISTING OVERHEAD SIGN AT RAMP 8 STATION 1+20.

5. SHIFT U.S. 202 NORTHBOUND AND SOUTHBOUND TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 3, STAGE 1.

6. CONSTRUCT CENTER PORTION OF U.S. 202 BRIDGE OVER I-95 REDECKING AND PERFORM REPAIRS TO THE ABUTMENTS, PIERS, DIAPHRAGMS, AND BEARINGS, AS SHOWN ON THE STRUCTURE #570 PLANS.

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11/4/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

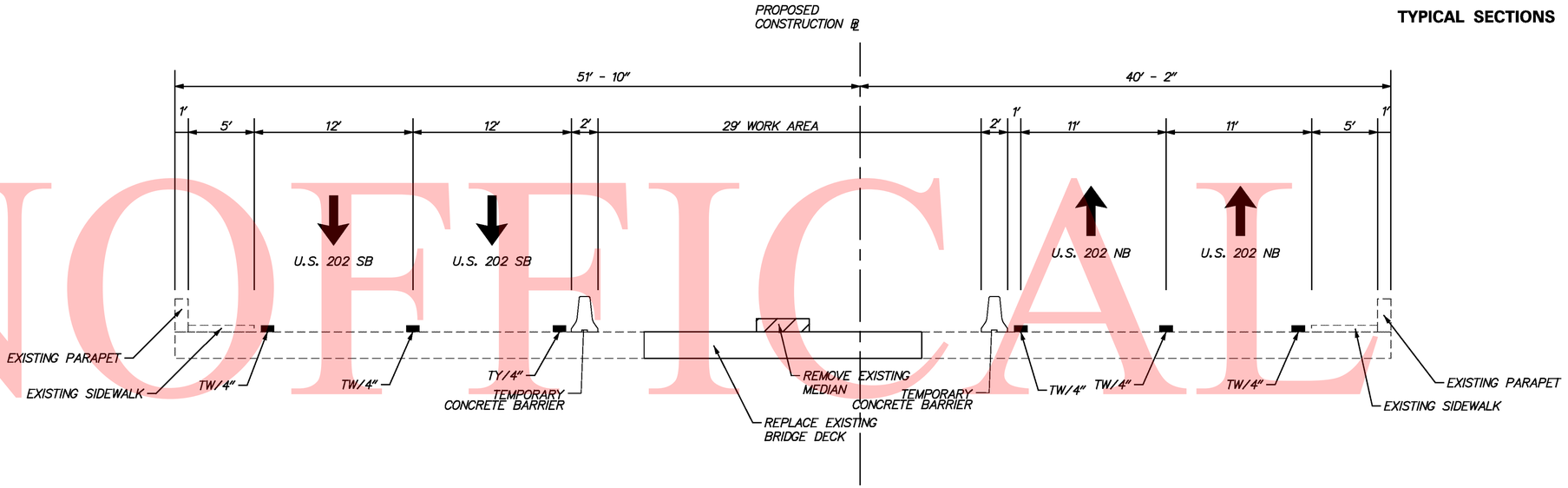
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 1 MOT 119 OF 139

SHEET NO.
384
TOTAL SHTS.
482

TYPICAL SECTIONS

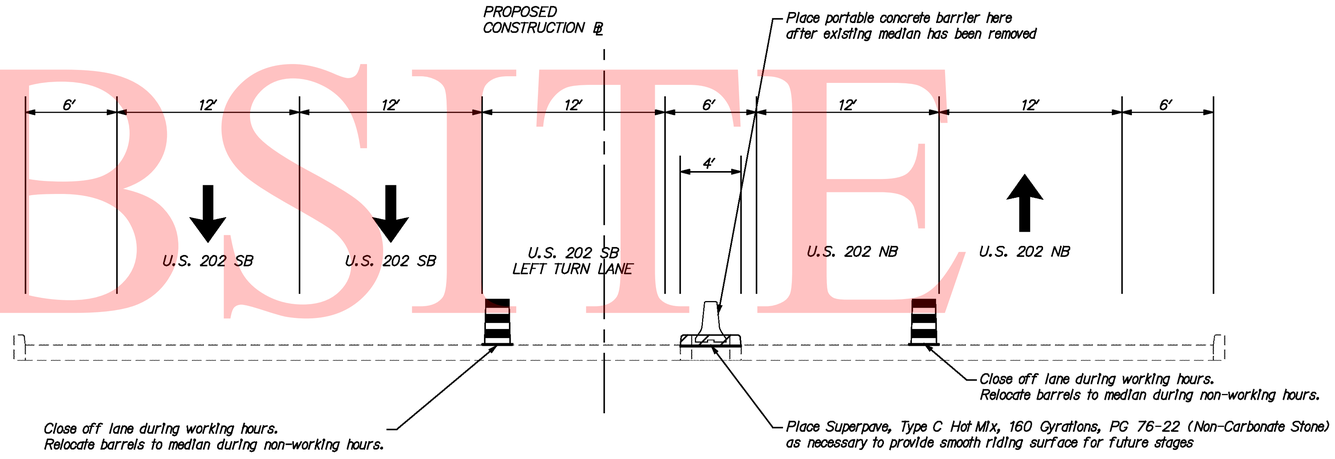
U.S. 202 – BRIDGE OVER I-95

STA 1011+60 TO STA 1014+30



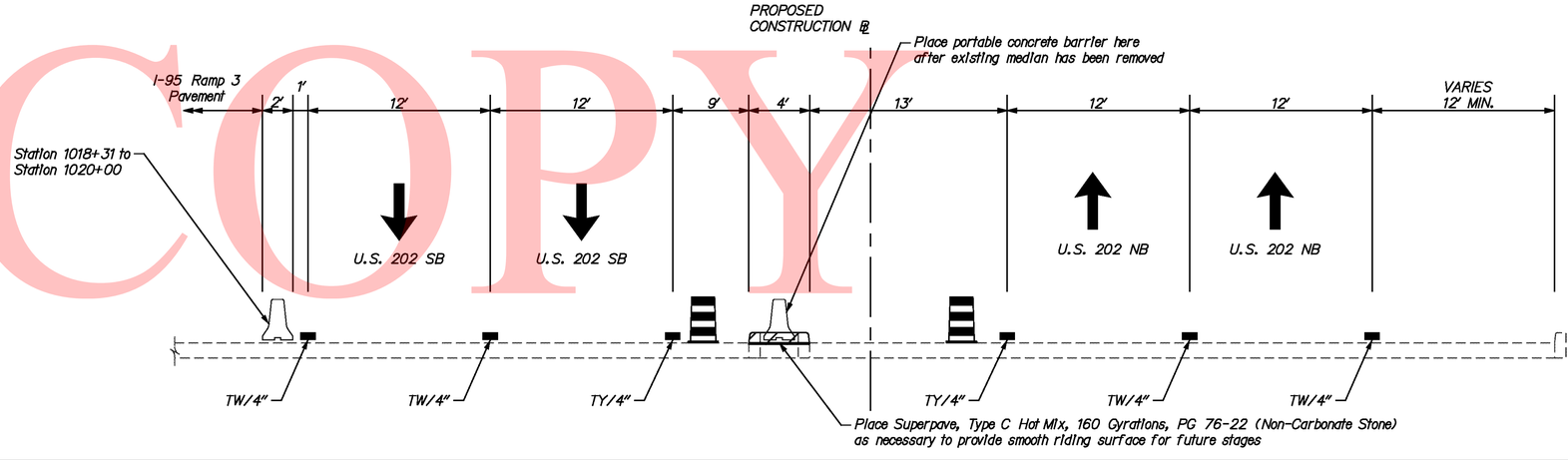
U.S. 202 – OFF PEAK MEDIAN REMOVAL

STA 1007+00 TO STA 1008+65



U.S. 202 – MEDIAN REMOVAL

STA 1016+40 TO STA 1018+80



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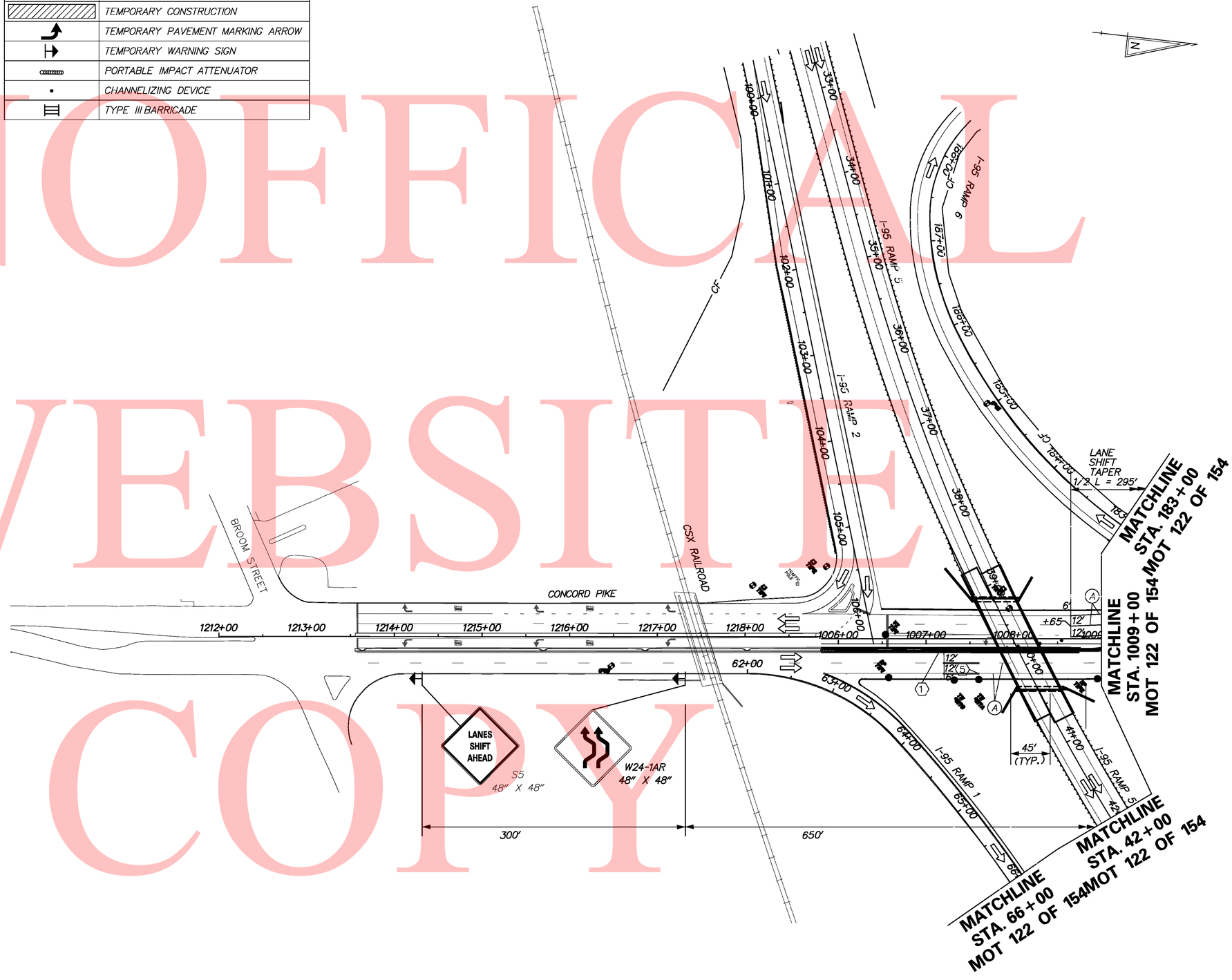
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 5 10 15 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 1 MOT 120 OF 139	SHEET NO. 385
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL		
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	70 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	35 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

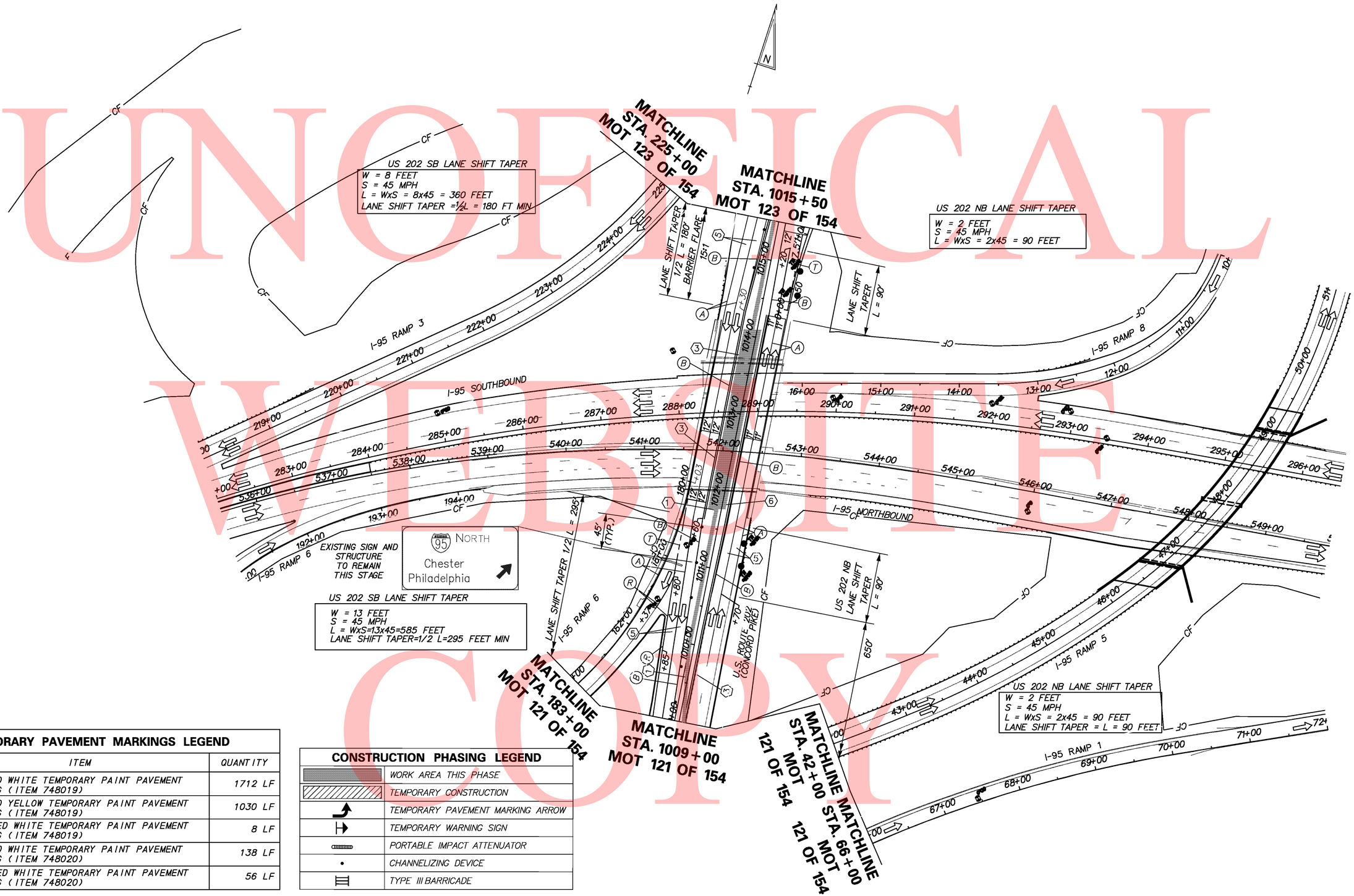
SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 1 MOT 121 OF 139

SHEET NO.
386
TOTAL SHTS.
482



TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1712 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1030 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	8 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	138 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	56 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 1 MOT 122 OF 139

SHEET NO. 387

TOTAL SHTS. 482

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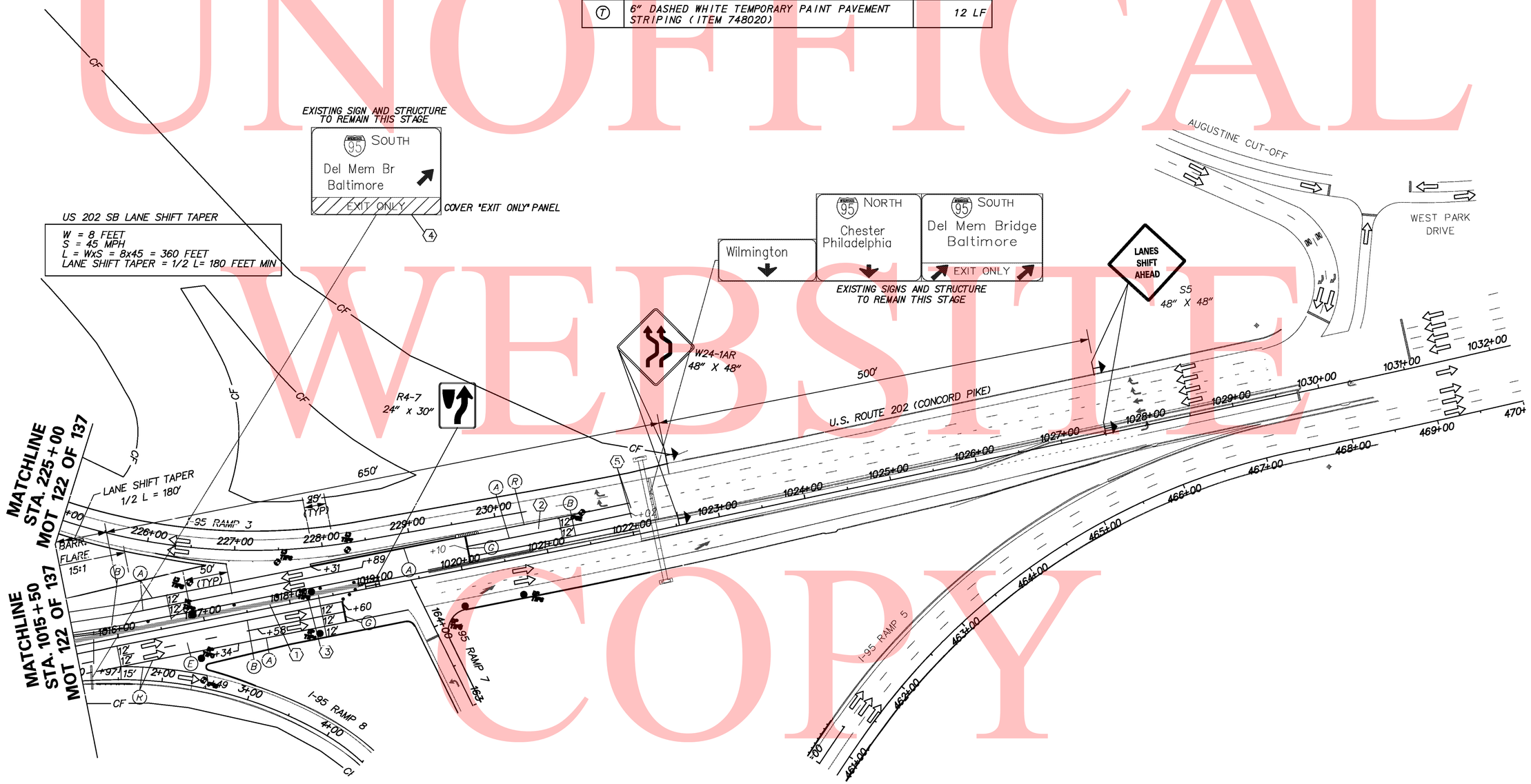
8/18/2010

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1136 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	841 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	52 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	35 SF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	604 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	12 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 1 MOT 123 OF 139	SHEET NO. 388
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

SEQUENCE OF CONSTRUCTION

PHASE 3, STAGE 2

1. MAINTAIN U.S. 202 NORTHBOUND LANES IN SAME LOCATION AS PHASE 3 STAGE 1. MAINTAIN TEMPORARY CONCRETE BARRIER ERECTED IN STAGE 3, PHASE 1 FROM STATION 1006+07 TO STATION 1014+30 AND FROM STATION 1018+22 TO STATION 1018+60, INCLUDING THE TEMPORARY IMPACT ATTENUATORS AT STATION 1006+07 AND STATION 1018+60.

2. MAINTAIN COVER ON "EXIT ONLY" PANEL ON EXISTING OVERHEAD SIGN AT RAMP 8 STATION 1+20.

3. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON US 202 SOUTHBOUND, AS NECESSARY. PLACE TEMPORARY STRIPING, USING CASE 23-B AS SHOWN UNDER PHASE 3, STAGE 1 TRAFFIC CONTROL.

4. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, INSTALL TRAFFIC CONTROL SIGNS AND DEVICES.

5. SHIFT U.S. 202 SOUTHBOUND TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 3, STAGE 2.

6. CONSTRUCT LEFT PORTION OF US 202 BRIDGE OVER I-95 REDECKING AS SHOWN ON THE STRUCTURE #570 PLANS.

7. CLOSE AND DETOUR I-95 IN ACCORDANCE WITH THE STRUCTURE #570 DETOUR PLAN AND THE I-95 TO I-495 DETOUR PLAN TO REMOVE EXISTING FASCIA BEAMS AND INSTALL NEW FASCIA BEAMS ON LEFT SIDE OF STRUCTURE.

8. CONSTRUCT NEW CANTILEVER SIGN STRUCTURE AT RAMP 6 STATION 181+05 AS SHOWN ON THE SIGN STRUCTURE PLANS. MAINTAIN EXISTING CANTILEVER AND SIGN UNTIL NEW STRUCTURE IS COMPLETED. DURING NIGHT WORK HOURS, CLOSE AND DETOUR RAMP 6 IN ACCORDANCE WITH THE DETOUR PLAN RAMP #6176 TO INSTALL NEW CANTILEVER ARM AND SIGN AND REMOVE EXISTING CANTILEVER ARM AND SIGN. COVER "EXIT ONLY" PANEL ON NEW SIGN.

9. CONSTRUCT US 202 SOUTHBOUND RIGHT SHOULDER FROM STATION 1010+90 TO STATION 1011+60. RELOCATE TEMPORARY CONCRETE BARRIER ON U.S 202 NORTHBOUND FROM STATION 1014+30 TO STATION 1018+22. RELOCATE TEMPORARY CONCRETE BARRIER ON U.S. 202 SOUTHBOUND FROM STATION 1011+60 TO STATION 1018+31. MAINTAIN 11-FOOT LANE WIDTHS ON US 202 NORTHBOUND AND 11-FOOT LANE WIDTHS ON US 202 SOUTHBOUND AS INDICATED ON THE PLANS AND TYPICAL SECTIONS.

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11/4/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 2 MOT 124 OF 139

SHEET NO.
389
TOTAL SHTS.
482

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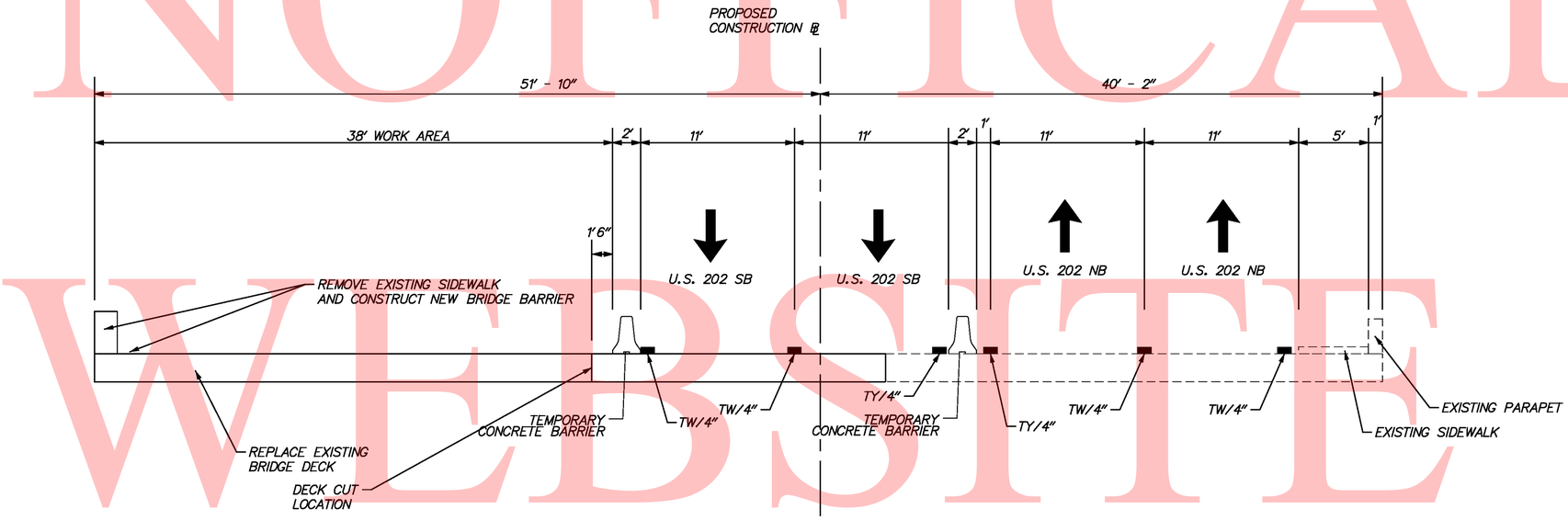

U.S. 202 – BRIDGE OVER I–95

STA 1011+60 TO STA 1014+30

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE 0 5 10 15 FEET

I–95 & US 202 INTERCHANGE

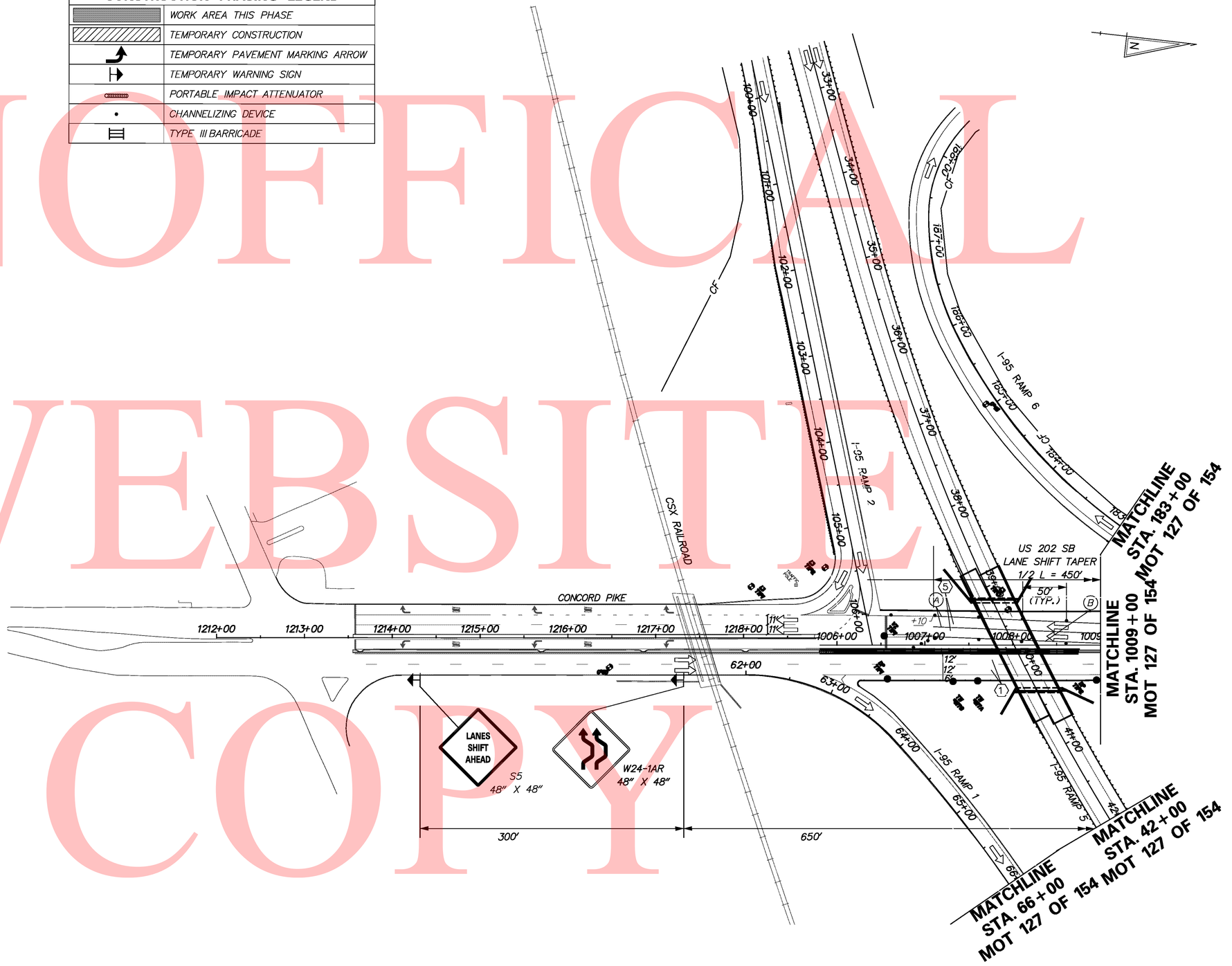
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 2 MOT 125 OF 139

SHEET NO.
390
TOTAL SHTS.
482

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL		
Ⓐ	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	380 LF
Ⓑ	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	190 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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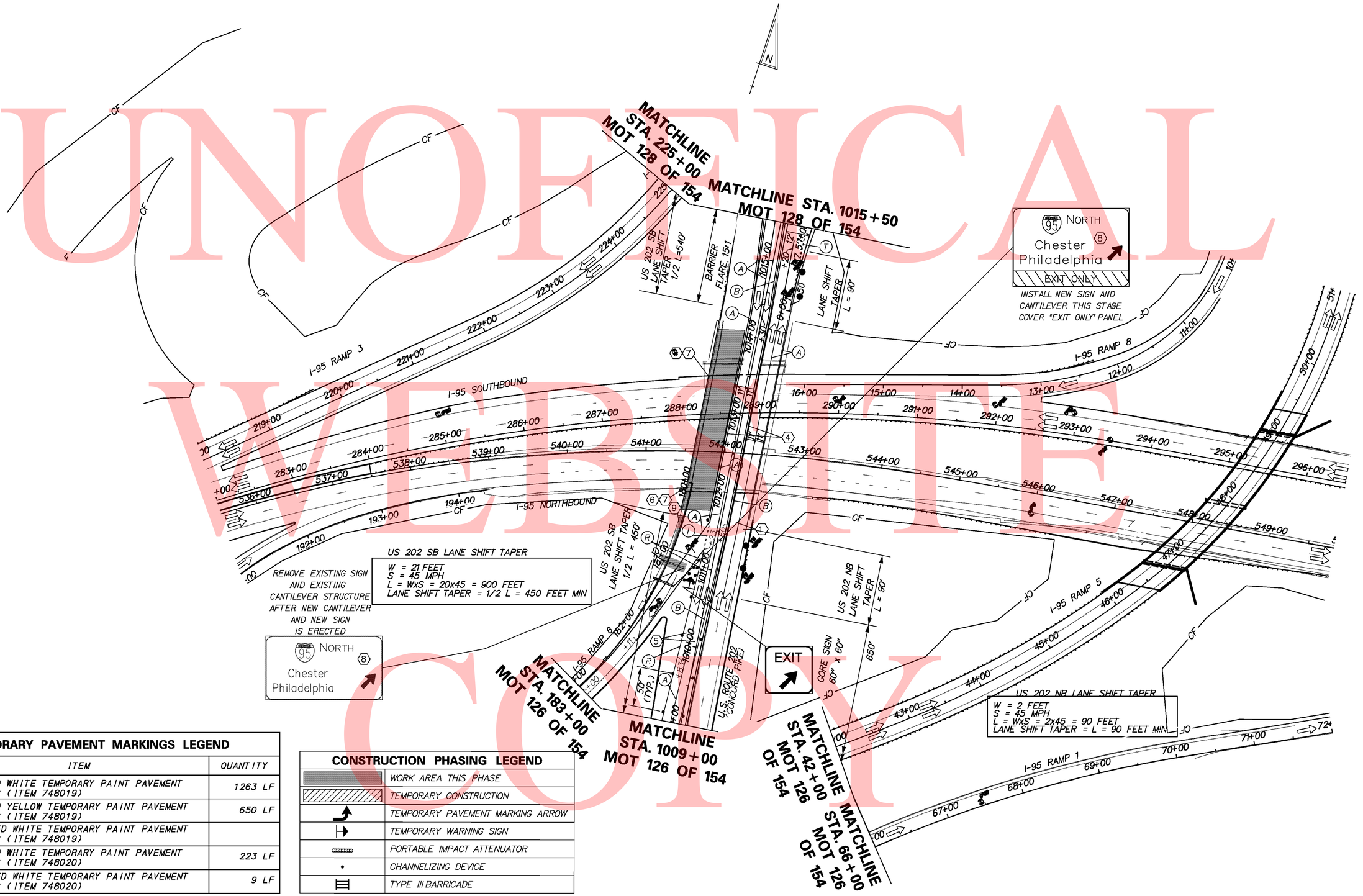
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 2 MOT 126 OF 139	SHEET NO. 391
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



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TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1263 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	650 LF
E	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	223 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	9 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 2 MOT 127 OF 139

SHEET NO. 392

TOTAL SHTS. 482

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	738 LF
Ⓑ	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	318 LF
Ⓓ	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	36 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

N

US 202 SB LANE SHIFT TAPER
W = 24 FEET
S = 45 MPH
L = WxS = 24x45 = 1080 FEET
LANE SHIFT TAPER = ½L = 540 FEET MIN

MATCHLINE STA. 1015+50 MOT 127 OF 154
MATCHLINE STA. 225+00 MOT 127 OF 154

US 202 SB LANE SHIFT TAPER 1/2 L = 540'

R4-7 24" x 30"

EXISTING SIGN AND STRUCTURE TO REMAIN THIS STAGE

95 NORTH
Chester
Philadelphia
Wilmington

95 SOUTH
Del Mem Bridge
Baltimore
EXIT ONLY

W24-1AL 48" x 48"

AUGUSTINE CUT-OFF
WEST PARK DRIVE
LANES SHIFT AHEAD
S5 48" X 48"

U.S. ROUTE 202 (CONCORD PIKE)
I-95 RAMP 3
I-95 RAMP 5
I-95 RAMP 7
I-95 RAMP 8
BARRIER
FLARE 15:1
50' (TYP.)
25' (TYP.)
400'
500'

95 SOUTH
Del Mem Br
Baltimore
EXIT ONLY

EXISTING SIGN AND STRUCTURE TO REMAIN THIS STAGE
"EXIT ONLY" PANEL COVERED

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 2 MOT 128 OF 139	SHEET NO. 393
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

8/18/2010
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SEQUENCE OF CONSTRUCTION

PHASE 3, STAGE 3

1. MAINTAIN COVERS ON "EXIT ONLY" PANELS ON EXISTING OVERHEAD SIGNS AT RAMP 6 STATION 181+05 AND RAMP 8 STATION 1+20.

2. DURING NIGHT WORK HOURS: USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, REMOVE EXISTING STRIPING ON U.S. 202 NORTHBOUND AND SOUTHBOUND, AS NECESSARY, AND REMOVE EXISTING RAISED PAVEMENT MARKERS ON US 202 NORTHBOUND FROM STATION 1018+60 TO STATION 1021+50. PLACE TEMPORARY STRIPING, USING CASE 23-B AS SHOWN UNDER PHASE 3, STAGE 1 TRAFFIC CONTROL.

3. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, INSTALL TRAFFIC CONTROL SIGNS AND DEVICES. RELOCATE TEMPORARY CONCRETE BARRIER ON U.S 202 NORTHBOUND FROM STATION 1008+82 TO STATION 1014+30, ON U.S. 202 SOUTHBOUND FROM STATION 1006+07 TO STATION 1018+33 AND TEMPORARY IMPACT ATTENUATORS AT STATION 1018+33 AS INDICATED ON THE PLANS. INSTALL NEW TEMPORARY IMPACT ATTENUATOR AT U.S. 202 STATION 1006+07. MAINTAIN 11-FOOT LANE WIDTHS ON US 202 NORTHBOUND AND 11-FOOT LANE WIDTHS ON US 202 SOUTHBOUND AS INDICATED ON THE PLANS AND TYPICAL SECTIONS.

4. SHIFT US 202 NORTHBOUND AND SOUTHBOUND TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 3, STAGE 3.

5. CONSTRUCT RIGHT PORTION OF US 202 BRIDGE OVER I-95 RE-DECKING AS SHOWN ON THE STRUCTURE #570 PLANS.

6. CLOSE AND DETOUR I-95 IN ACCORDANCE WITH THE STRUCTURE #570 DETOUR PLAN AND THE I-95 TO I-495 DETOUR PLAN TO REMOVE EXISTING BEAMS AND INSTALL NEW FASCIA BEAMS ON RIGHT SIDE OF STRUCTURE.

7. CONSTRUCT NEW CANTILEVER SIGN STRUCTURE AT RAMP 8 STATION 1+20. MAINTAIN EXISTING CANTILEVER AND SIGN UNTIL NEW STRUCTURE IS COMPLETED. CLOSE AND DETOUR RAMP 8 IN ACCORDANCE WITH THE DETOUR PLAN RAMP #6178 TO INSTALL NEW CANTILEVER ARM AND SIGN AND REMOVE EXISTING CANTILEVER ARM AND SIGN. COVER "EXIT ONLY" PANEL ON NEW SIGN.

8. CONSTRUCT US 202 NORTHBOUND RIGHT SHOULDER FROM STATION 1014+25 TO STATION 1015+60.

9. DURING NIGHT WORK HOURS, CLOSE LANES ON U.S. 202 NORTHBOUND IN ACCORDANCE WITH CASE 7 OF THE TRAFFIC CONTROL MANUAL TO CONSTRCUT DRAINAGE PIPE AND INLET AT STATION 1014+55.

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11/4/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 3
MOT 129 OF 139

SHEET NO.
394
TOTAL SHTS.
482

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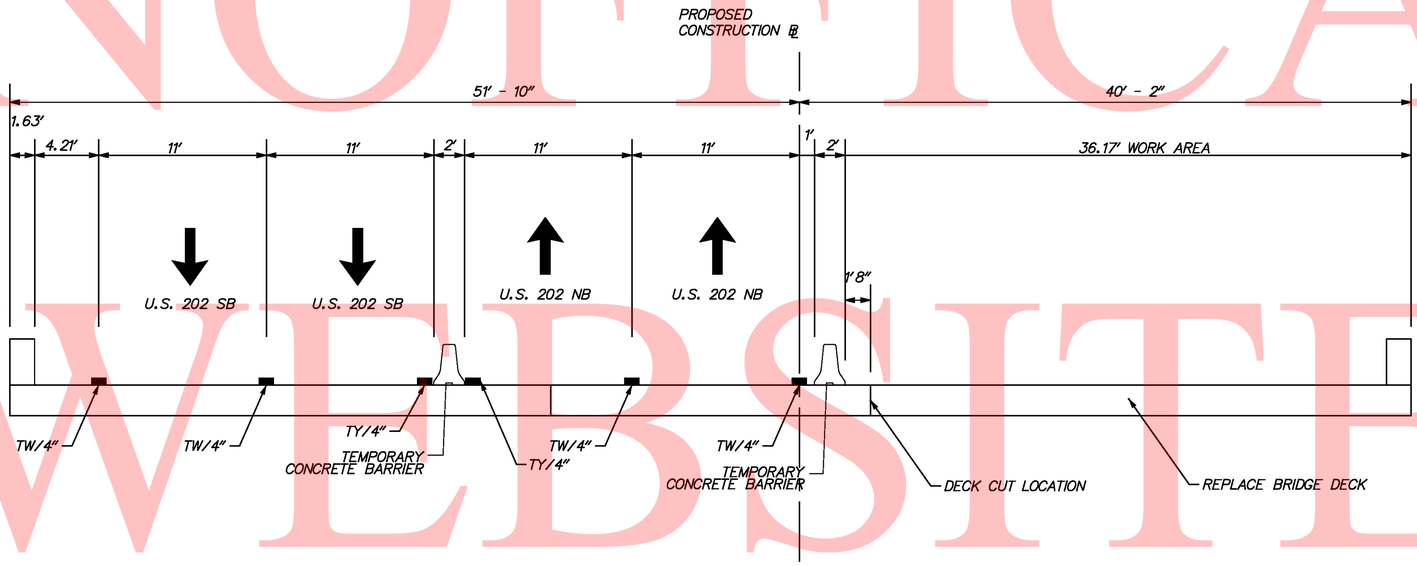

U.S. 202 – BRIDGE OVER I-95

STA 1011+60 TO STA 1014+30

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 5 10 15 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 3 MOT 13 OF 139	SHEET NO. 395
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL		
(A)	4″ SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	967 LF
(B)	4″ SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	371 LF
(D)	4″ DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	28 LF
(R)	6″ SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	49 LF
(T)	6″ DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	18 LF

CONSTRUCTION PHASING LEGEND	
(shaded)	WORK AREA THIS PHASE
(hatched)	TEMPORARY CONSTRUCTION
(arrow)	TEMPORARY PAVEMENT MARKING ARROW
(sign)	TEMPORARY WARNING SIGN
(attenuator)	PORTABLE IMPACT ATTENUATOR
•	CHANNELIZING DEVICE
(barricade)	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY		
NEW CASTLE	CHECKED BY: KMC	

CONSTRUCTION PHASING, MOT & EROSION CONTROL
PHASE 3, STAGE 3
MOT 131 OF 139

SHEET NO. 396
TOTAL SHTS. 482

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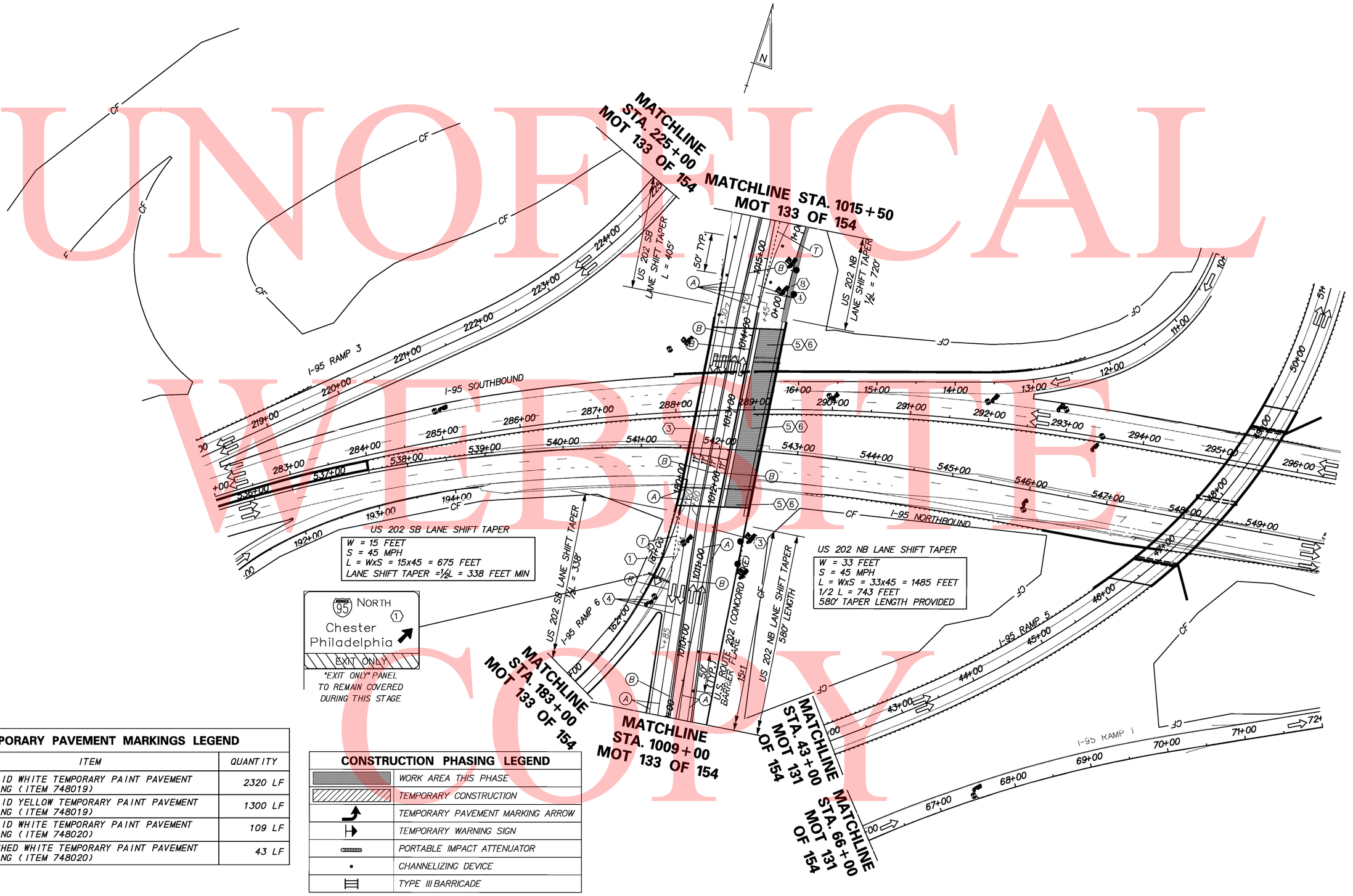

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	2320 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1300 LF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	109 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	43 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 3 MOT 132 OF 139

SHEET NO. 397

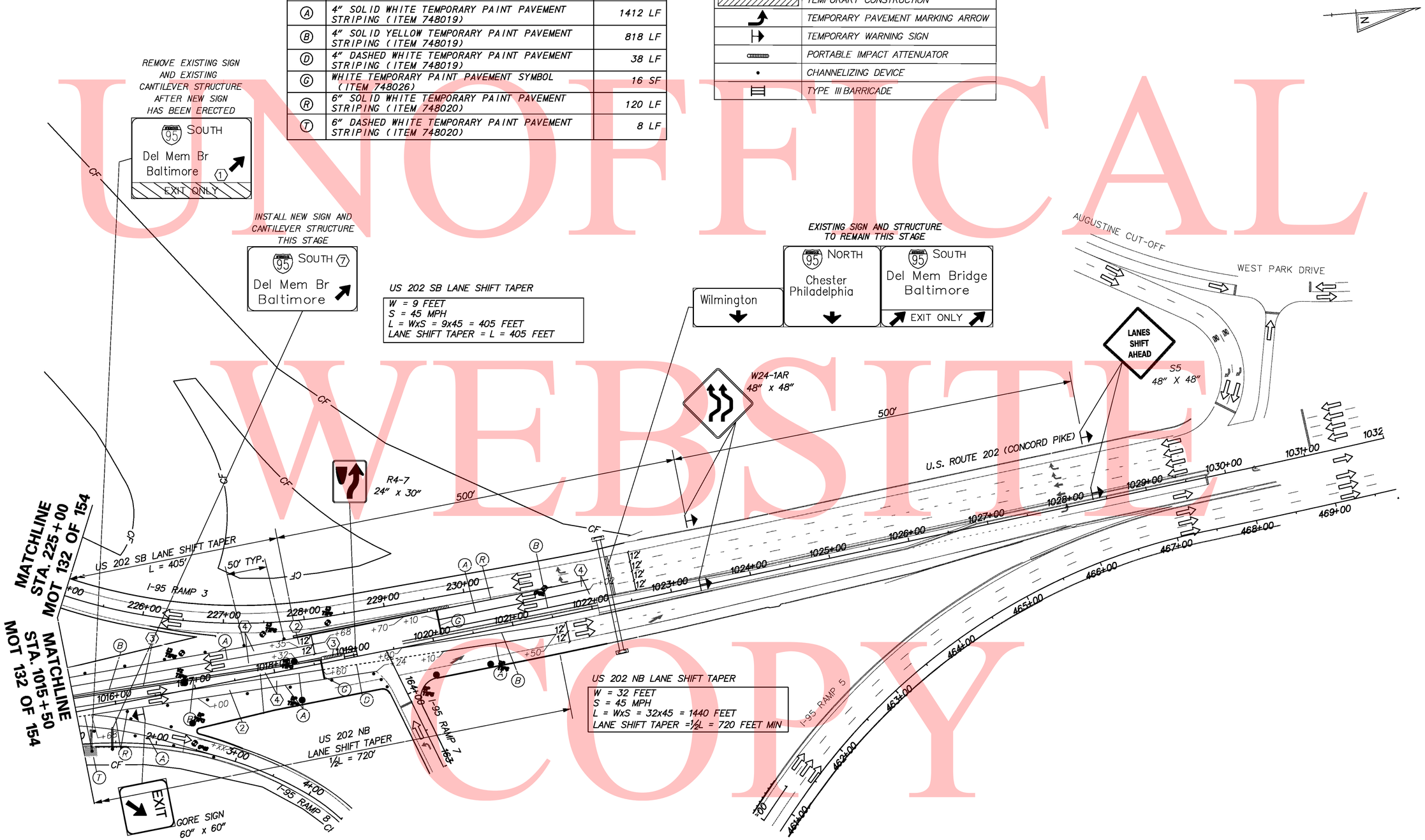
TOTAL SHTS. 482

TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1412 LF
B	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	818 LF
D	4" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	38 LF
G	WHITE TEMPORARY PAINT PAVEMENT SYMBOL (ITEM 748026)	16 SF
R	6" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	120 LF
T	6" DASHED WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748020)	8 LF

CONSTRUCTION PHASING LEGEND

	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 3 MOT 133 OF 139	SHEET NO. 398
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

SEQUENCE OF CONSTRUCTION

PHASE 3, STAGE 4

1. REMOVE THE COVER OVER THE "EXIT ONLY" PANEL ON THE PROPOSED SIGN AT RAMP 6 STATION 181+05.
2. INSTALL THE PROPOSED "EXIT ONLY" OVERLAY PANEL ON THE EXISTING I-95 NORTH SIGN AT U.S. 202 STATION 1022+25.
3. RECONFIGURE SIGNAL AT THE U.S. 202 & RAMP 7 INTERSECTION INTO FINAL CONDITION IN ACCORDANCE WITH PERMANENT SIGNAL PLAN.
4. SHIFT US 202 NORTHBOUND AND SOUTHBOUND TRAFFIC TO THEIR PERMANENT LOCATION AS SHOWN UNDER PHASE 3, STAGE 4 TRAFFIC CONTROL.
5. DURING OFF-PEAK OR NIGHT WORK HOURS AS DEFINED ON THE MOT GENERAL NOTES SHEET, USING CASE 7 OF THE TRAFFIC CONTROL MANUAL, CLOSE THE LANE ADJACENT TO THE PERMENENT MEDIAN WORK AREA ON BOTH DIRECTIONS OF U.S. 202 TO CONSTRUCT THE PERMANENT MEDIAN FROM STATION 1005+80 TO STATION 1022+07.
6. DURING NON-WORK HOURS, RELOCATE CHANNELIZING DEVICES TO MEDIAN AND REOPEN ALL LANES OF U.S. 202 TO TRAFFIC. MAINTAIN CHANNELIZING DEVICES AT MINIMUM 50 FOOT SPACING TO SEPARATE OPPOSING DIRECTIONS OF TRAFFIC AT ALL TIMES IN LOCATIONS WHERE PERMANENT MEDIAN HAS NOT YET BEEN CONSTRUCTED.
7. CLOSE AND TEMPORARILY DETOUR RAMP 7 IN ACCORDANCE WITH DETOUR PLAN RAMP #6177 TO CONSTRUCT DRAINAGE PIPES AND INLETS IN U.S. 202 SOUTHBOUND CHANNELIZED LANE AT STATION 1017+00 AND STATION 1018+35.
8. USING LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE CASES LISTED IN THE MOT GENERAL NOTES, APPLY FINAL WEARING COURSE SURFACE TO ALL ROADS AS INDICATED IN THE CONSTRUCTION PLANS. APPLY PERMANENT PAVEMENT STRIPING, USING CASE 21 OF THE TRAFFIC CONTROL MANUAL AND CASE 23-B ON U.S. 202 AND CASE 23-C ON I-95 AND ALL RAMPS, IN ACCORDANCE WITH THE SIGNING, STRIPING AND CONDUIT PLANS.

UNOFFICAL WEBSITE COPY

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12/9/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

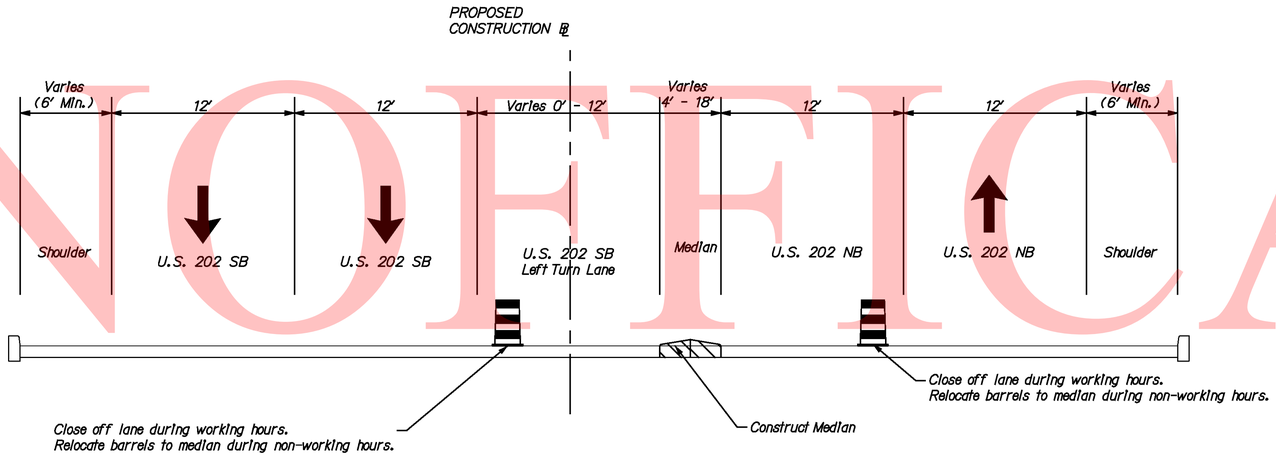
ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

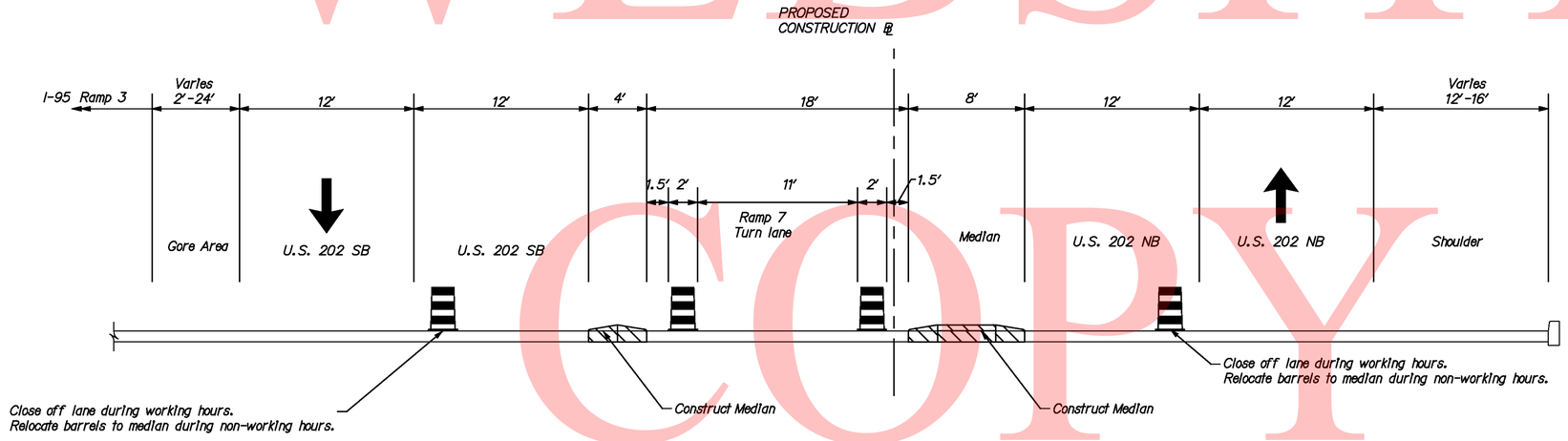
CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 134 OF 139

SHEET NO.
399
TOTAL SHTS.
482



U.S. 202 – OFF PEAK MEDIAN CONSTRUCTION

STA 1005+80 TO STA 1016+00



U.S. 202 – OFF PEAK MEDIAN CONSTRUCTION

STA 1016+99 TO STA 1018+42

UNOFFICIAL WEBSITE COPY

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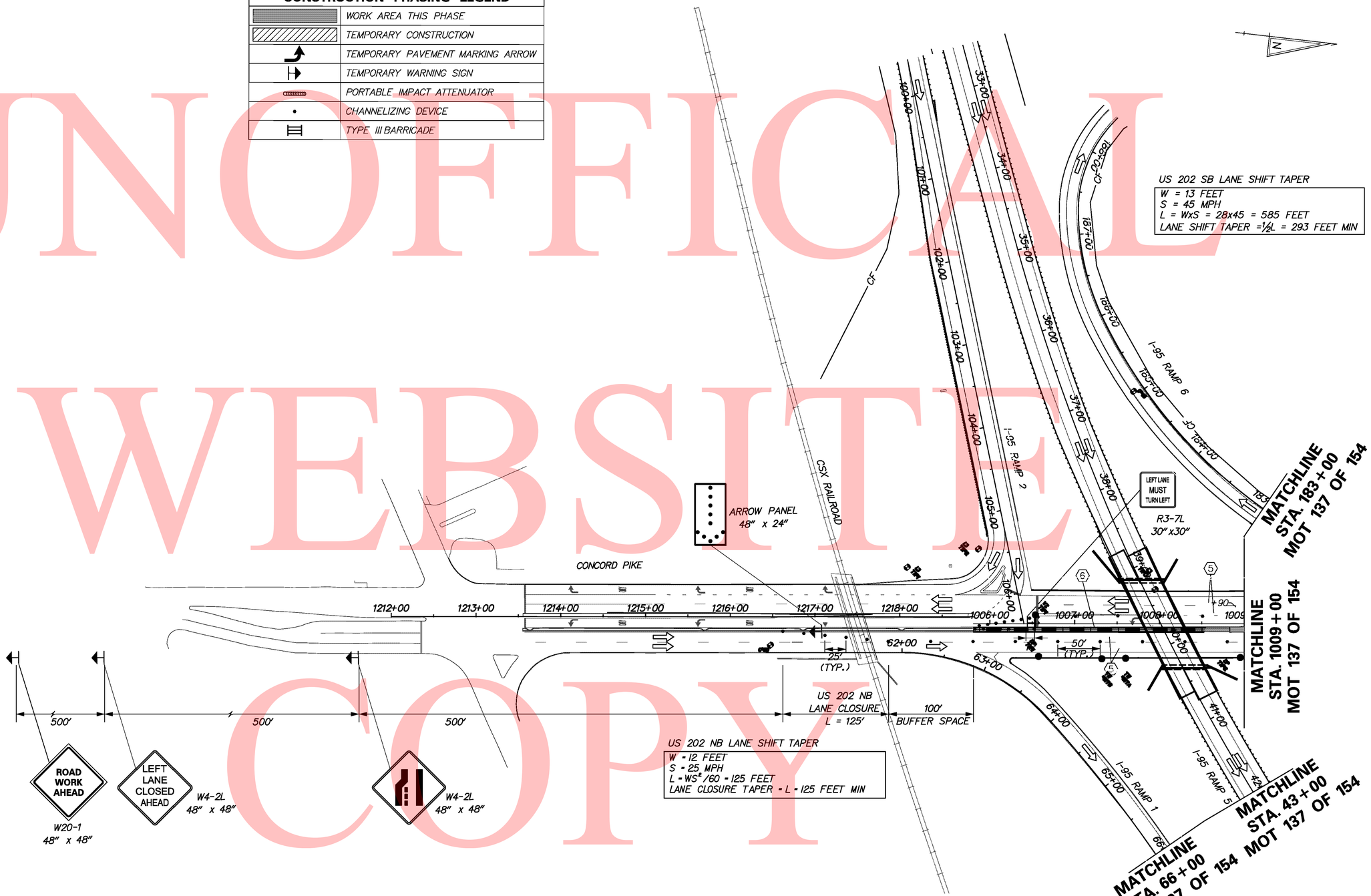
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 5 10 15 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 135 OF 139	SHEET NO. 400
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



UNOFFICIAL WEBSITE COPY

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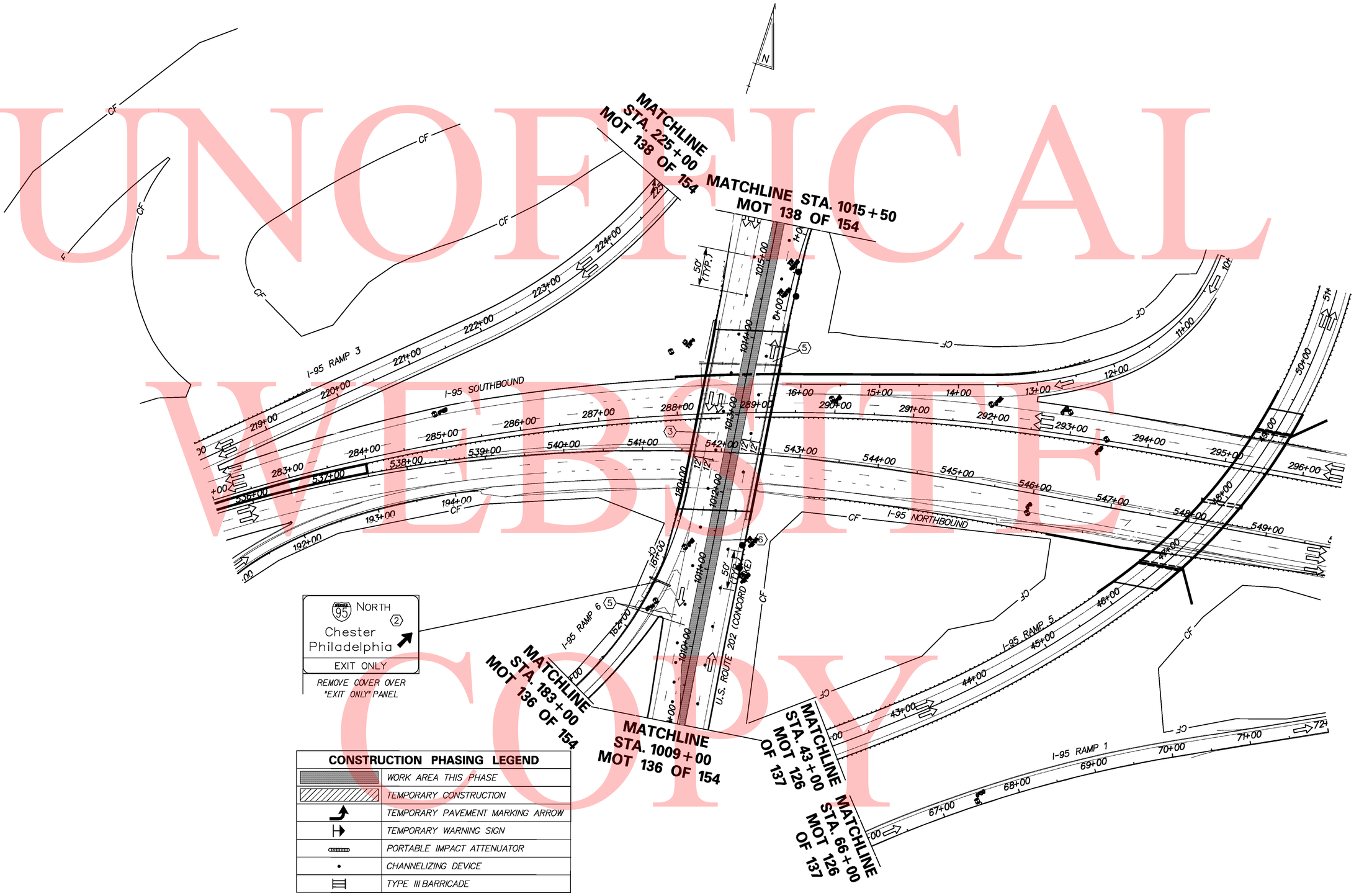
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 136 OF 139	SHEET NO. 401
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		



CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE

UNOFFICIAL WEBSITE COPY

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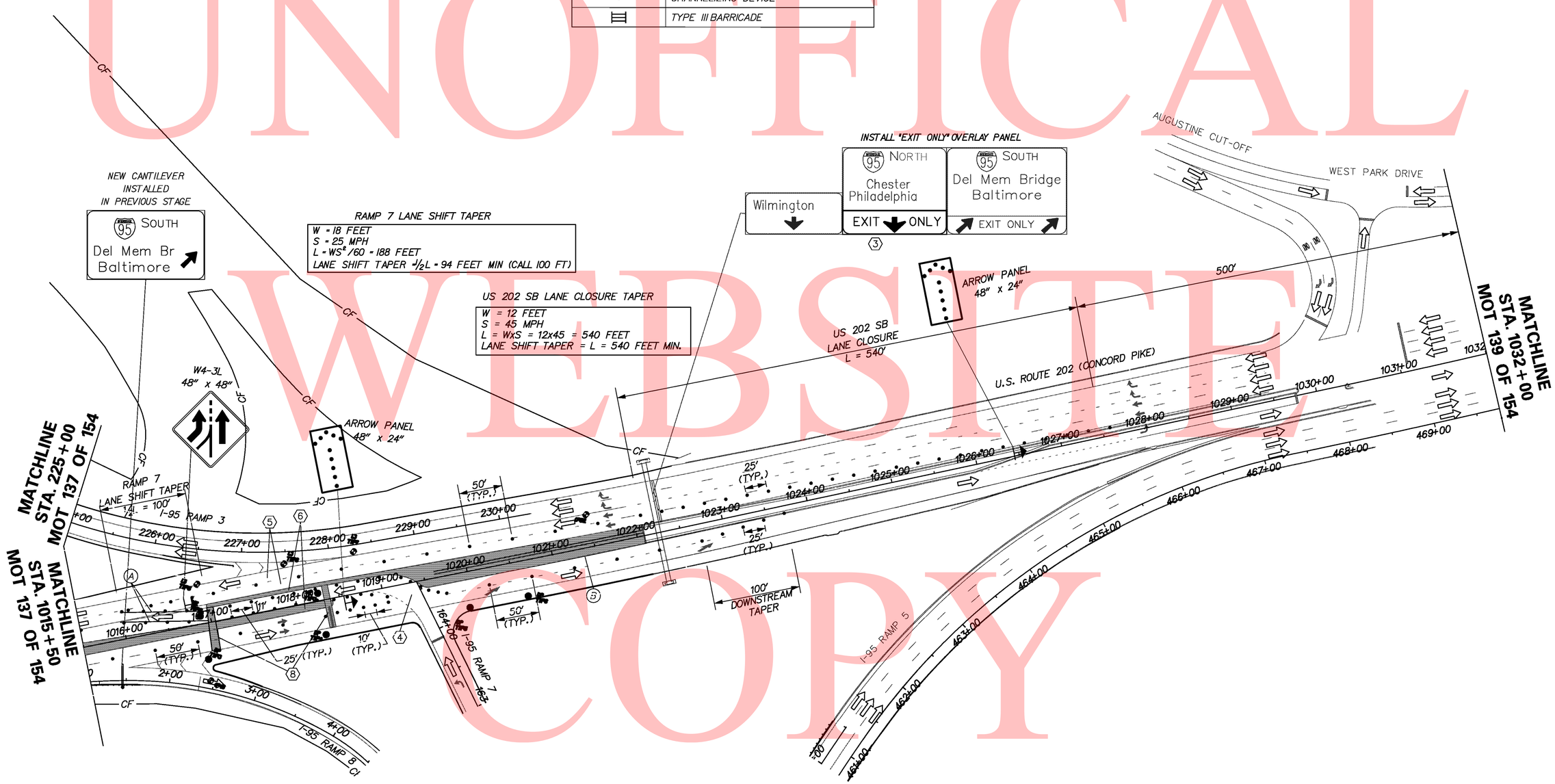
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 137 OF 139	SHEET NO. 402
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	204 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



UNOFFICIAL WEBSITE COPY

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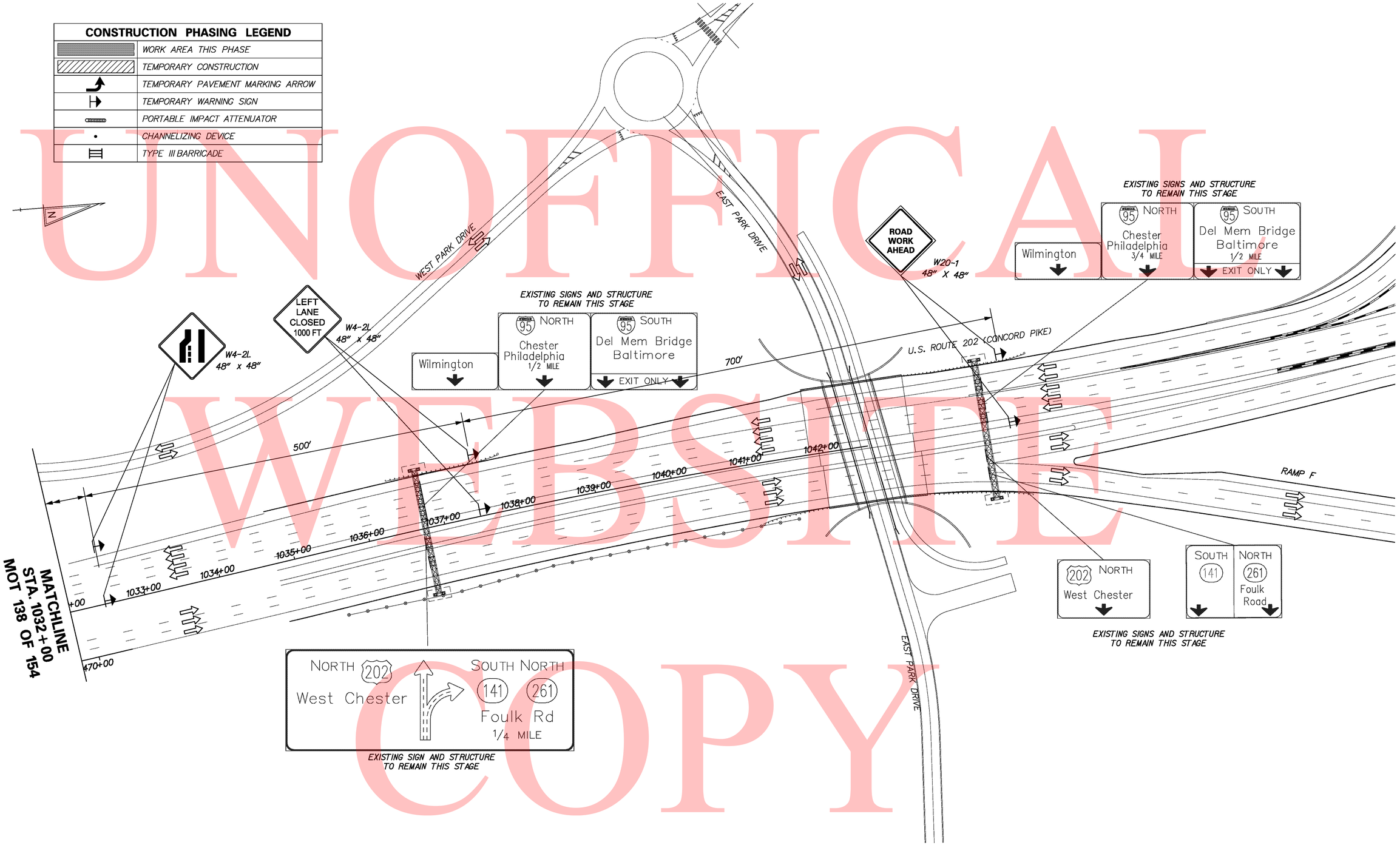
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 138 OF 139	SHEET NO. 403
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

UNOFFICIAL WEBSITE COPY

CONSTRUCTION PHASING LEGEND	
	WORK AREA THIS PHASE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TEMPORARY WARNING SIGN
	PORTABLE IMPACT ATTENUATOR
	CHANNELIZING DEVICE
	TYPE III BARRICADE



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE 0 30 60 90 FEET

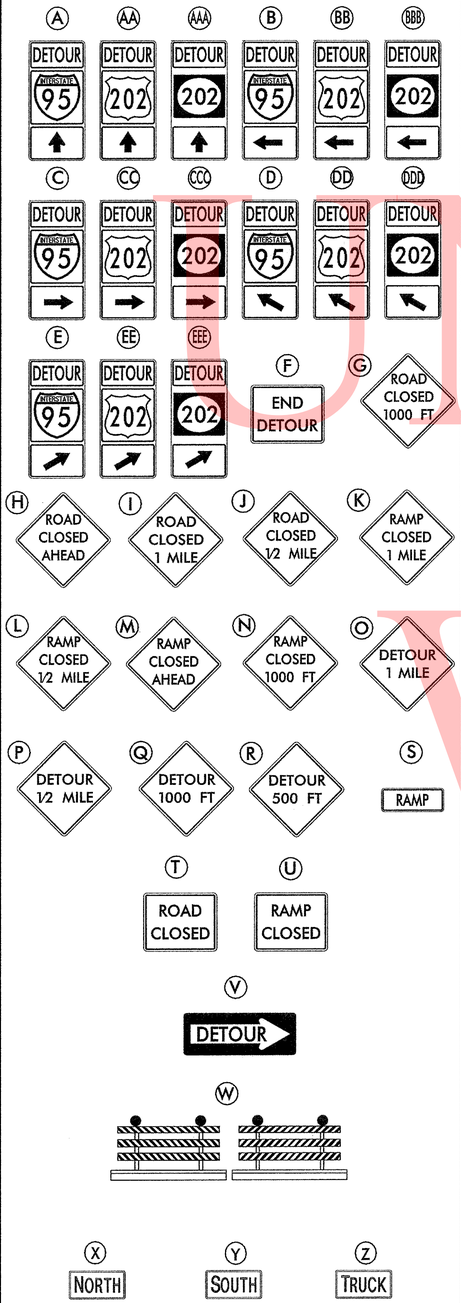
I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL PHASE 3, STAGE 4 MOT 139 OF 139

SHEET NO.
404
TOTAL SHTS.
482

SIGNS



GENERAL NOTES

1. ALL DETOUR SIGNING INCLUDING, TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6) FOR LIGHTS, BARRICADES AND SIGNS.(AS PER LATEST REVISION)
3. 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 WILL PREVAIL.
4. SIGNS J THROUGH L AND P THROUGH R ,THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
5. WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
6. "S" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
7. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
8. FOR ALL DETOURS OF I-95 TRAFFIC, CLOSE LANES ON I-95 USING CASE 7 OR 9 OF THE TRAFFIC CONTROL MANUAL TO REDUCE I-95 TO ONE LANE IN ADVANCE OF THE DETOUR DIVERSION POINT.
9. ALL SIGNS SHOWN ON THE DETOUR PLANS WILL BE PAID FOR UNDER ITEM 743525 TYPE III BARRICADES WILL BE PAID FOR UNDER ITEM 743524
10. THE EXISTING MAJOR GUIDE SIGNS ON ALL ROADS ALONG THE DETOUR ROUTES WILL BE UTILIZED TO DIRECT TRAFFIC INSTEAD OF DETOUR TRAILBLAZER SIGNS WHERE APPLICABLE.

CHANGEABLE MESSAGE BOARDS

CMS-1

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

I-95 CLOSING AT 202	STARTING XXXXXXXX

CMS-1

DURING DETOUR

I-95 CLOSED AT 202	THRU TRAFFIC USE 495

CMS-3

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

I-95 CLOSING AT 202	STARTING XXXXXXXX

CMS-3

DURING DETOUR

I-95 CLOSED AT 202	FOLLOW DETOUR

CMS-5

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

I-95 SB RAMP CLOSING	STARTING XXXXXXXX

CMS-5

DURING DETOUR

I-95 SB RAMP CLOSED	FOLLOW DETOUR

CMS-2

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

I-95 CLOSING AT 202	STARTING XXXXXXXX

CMS-2

DURING DETOUR

I-95 CLOSED AT 202	USE ALT ROUTE

CMS-4

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

I-95 NB RAMP CLOSING	STARTING XXX XX

CMS-4

DURING DETOUR

I-95 NB RAMP CLOSED	FOLLOW DETOUR

CMS-6

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 CLOSING	STARTING XXXXXXXX

CMS-6

DURING DETOUR

RT 202 CLOSED	FOLLOW DETOUR

UNOFFICIAL WEBSITE COPY

RECOMMENDED _____ DATE: _____

RECOMMENDED Jessie Gilbert DATE: 8/26/10

RECOMMENDED Wayne E Kline DATE: 8-26-10

APPROVED CHIEF SAFETY OFFICER Michael Anthony DATE: 8-25-10

APPROVED TRAFFIC ENGINEER Al Shehab DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	ROAD NO.	X
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN
1 OF 15

SHEET NO. 405
TOTAL SHTS. 482

CHANGEABLE MESSAGE BOARDS

CMS-7

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 RAMP CLOSING

STARTING XXXXXXXX

CMS-7

DURING DETOUR

RT 202 RAMP CLOSED

FOLLOW DETOUR

CMS-9

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 NB RAMP CLOSING

STARTING XXXXXXXX

CMS-9

DURING DETOUR

RT 202 NB RAMP CLOSED

FOLLOW DETOUR

CMS-11

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 NB RAMP CLOSED

STARTING XXXXXXXX

CMS-11

DURING DETOUR

202 NB USE 95 NORTH

FOLLOW DETOUR

DURING DETOUR

CMS-13

I-95 DETOUR ↑

DURING DETOUR

CMS-14

I-95 DETOUR →

CMS-8

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 RAMPS CLOSING

STARTING XXXXXXXX

CMS-8

DURING DETOUR

RT 202 RAMPS CLOSED

FOLLOW DETOUR

CMS-10

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 SB RAMP CLOSING

STARTING XXXXXXXX

CMS-10

DURING DETOUR

RT 202 SB RAMP CLOSED

FOLLOW DETOUR

CMS-12

PRIOR TO DETOUR
(10 Days prior to beginning of detour)

RT 202 NB RAMP CLOSING

STARTING XXXXXXXX

CMS-12

DURING DETOUR

RT 202 NB RAMP CLOSED

USE DE 3 FOLLOW DETOUR

DURING DETOUR

CMS-15

I-95 DETOUR ←

UNOFFICAL WEBSITE COPY

RECOMMENDED _____ DATE: _____	RECOMMENDED Jesse Pickett DATE: 8/26/10	RECOMMENDED Wayne Ward DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER Lundell Mayo-Ford DATE: 8-25-10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	ROAD NO. X	CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 2 OF 15	SHEET NO. 406
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

APPROVED TRAFFIC ENGINEER Alf Ph DATE: 8/26/10

DETOUR PLAN
RAMP #6171

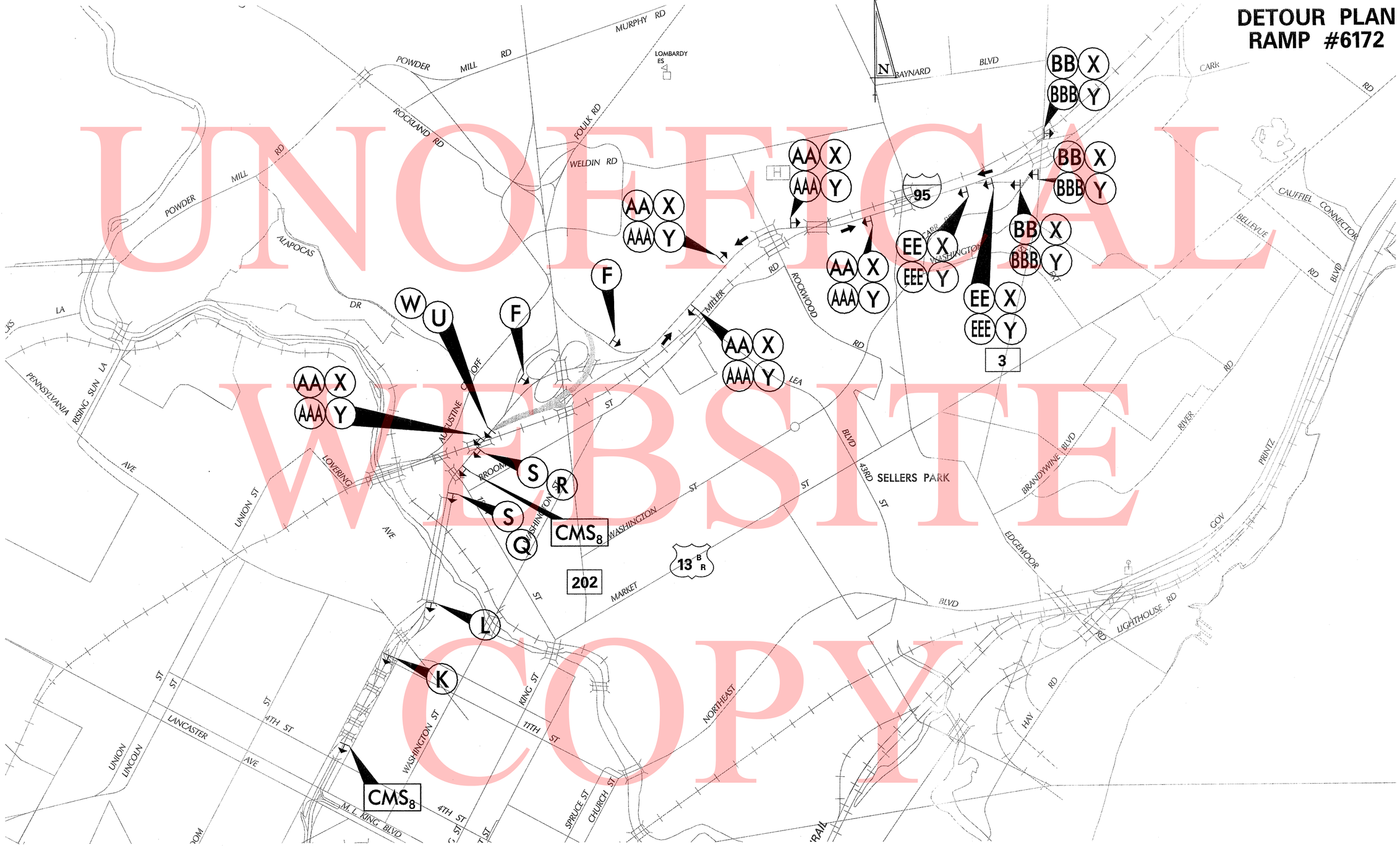
UNOFFICIAL WEBSITE COPY

RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-25-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10
			APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	ROAD NO. X	CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 3 OF 15
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM	SHEET NO. 407
					CHECKED BY: KMC	TOTAL SHTS. 482

DETOUR PLAN
RAMP #6172

UNOFFICIAL WEBSITE COPY



RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10
			APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	**I-95 & US 202 INTERCHANGE**	CONTRACT T200510602	ROAD NO. X	**CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 4 OF 15**
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM	SHEET NO. 408
					CHECKED BY: KMC	TOTAL SHTS. 482

DETOUR PLAN
RAMP #6174

UNOFFICAL WEBSITE COPY

RECOMMENDED _____ DATE: _____	RECOMMENDED [signature] DATE: 8/26/10	RECOMMENDED [signature] DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER [signature] DATE: 8-25-10	APPROVED TRAFFIC ENGINEER [signature] DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

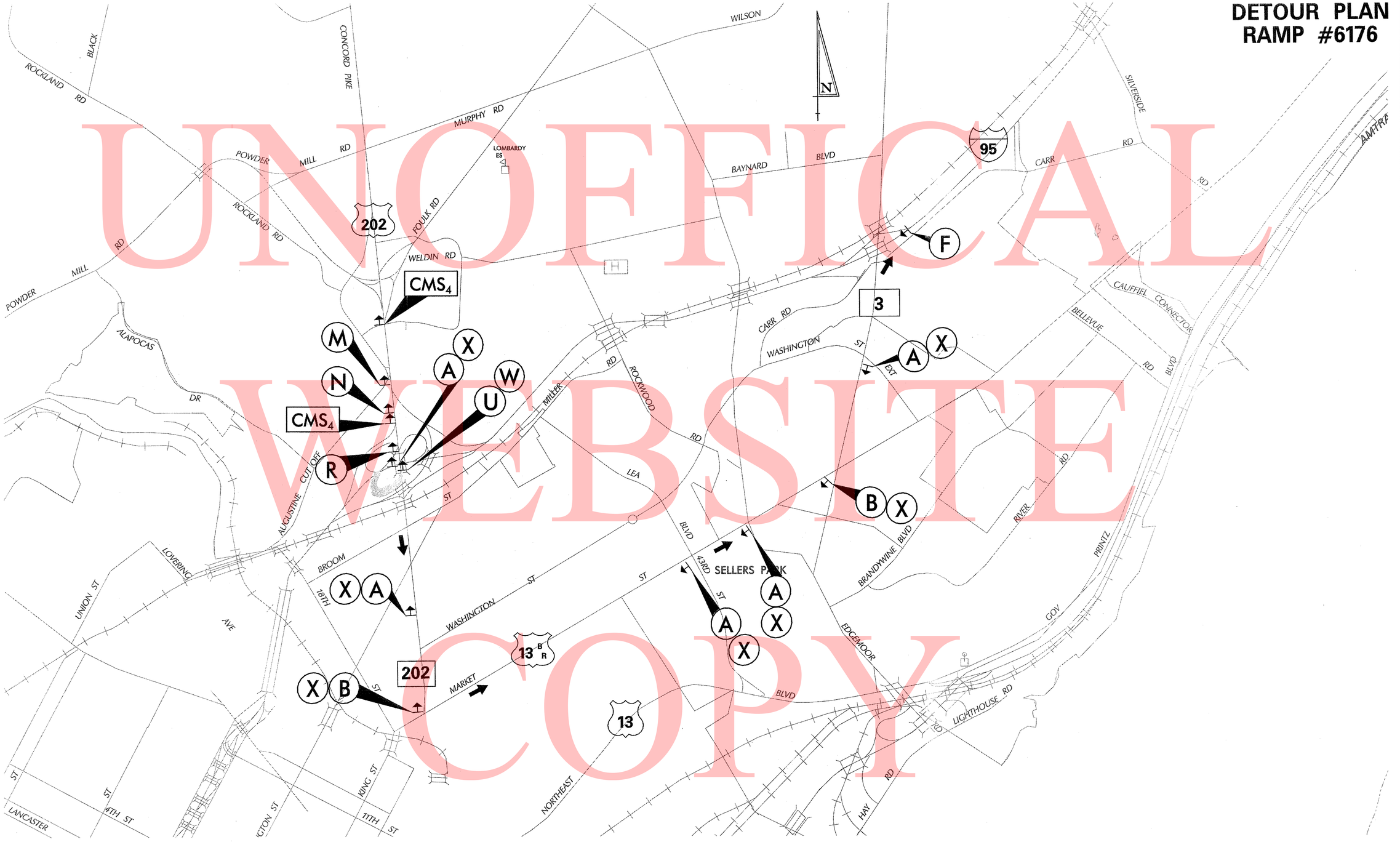
CONTRACT	ROAD NO.	X
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN
5 OF 15

SHEET NO.
409
TOTAL SHTS.
482

DETOUR PLAN
RAMP #6176

UNOFFICAL WEBSITE COPY



RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10	APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	**I-95 & US 202 INTERCHANGE**	CONTRACT T200510602	ROAD NO. X	**CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 6 OF 15**	SHEET NO. 410
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

DETOUR PLAN
RAMP #6177

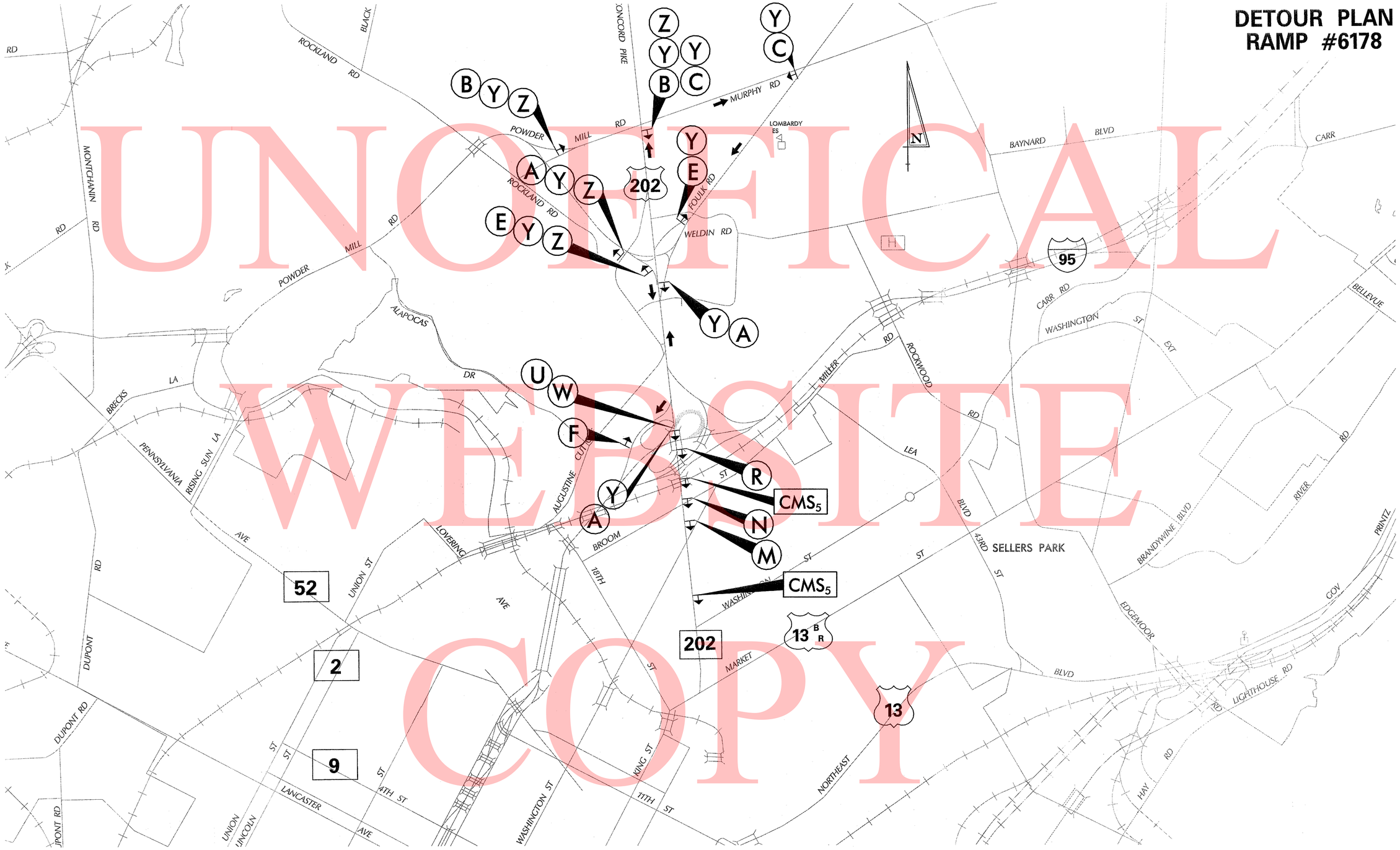
UNOFFICAL WEBSITE COPY

RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-25-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 9-25-10	APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	**I-95 & US 202 INTERCHANGE**	CONTRACT T200510602 / COUNTY NEW CASTLE	ROAD NO. X / DESIGNED BY: DJD / REM / CHECKED BY: KMC	**CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 7 OF 15**	SHEET NO. 411 / TOTAL SHTS. 482

DETOUR PLAN
RAMP #6178

UNOFICAL WEBSITE COPY



RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10	APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 2(NTERCHANGE

CONTRACT	T200510602	ROAD NO.	X
COUNTY	NEW CASTLE	DESIGNED BY:	DJD / REM
		CHECKED BY:	KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN
8 OF 15

SHEET NO.	412
TOTAL SHTS.	482

DETOUR PLAN
EXISTING SIGN STRUCTURE SO 1044
(PHASE 1 STAGE 1)

NOTES:

1. DETOUR PLAN INCLUDES THE CLOSURE OF I-95 SOUTHBOUND FROM THE DE 3 INTERCHANGE TO RAMP *6174 AND RAMP *6174.

2. SEE DETOUR PLAN I-95 TO I-495 FOR ADDITIONAL SIGNS AND DEVICES. USE ONLY SOUTHBOUND DEVICES INCLUDE ON DETOUR PLAN I-95 TO I-495 FOR THIS DETOUR.

UNOFFICIAL WEBSITE COPY

RECOMMENDED _____ DATE:	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10

APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

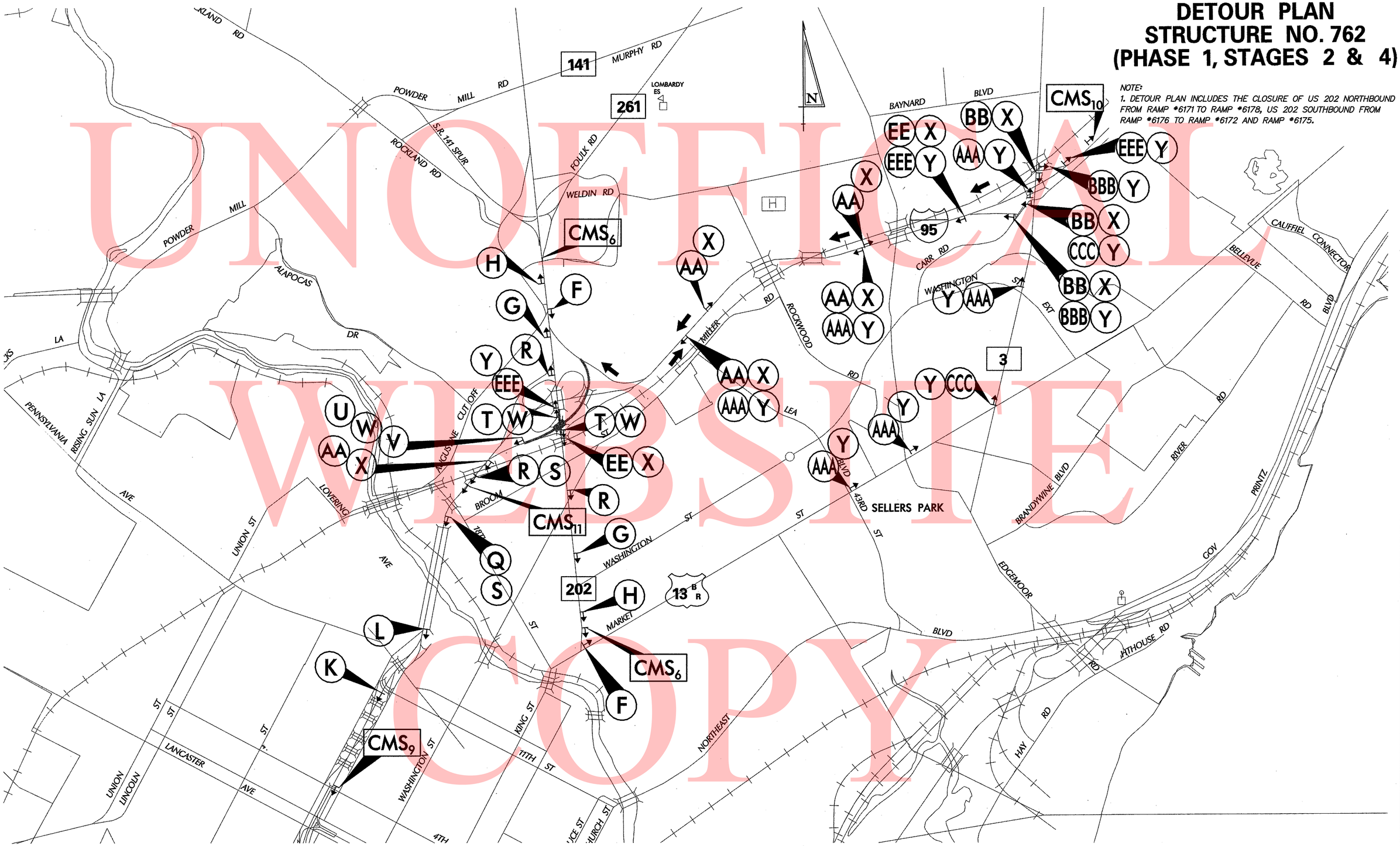
CONTRACT	T200510602	ROAD NO.	X
COUNTY	NEW CASTLE	DESIGNED BY:	DJD / REM
		CHECKED BY:	KMC

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN
9 OF 15

SHEET NO.	413
TOTAL SHTS.	482

DETOUR PLAN
STRUCTURE NO. 762
(PHASE 1, STAGES 2 & 4)

NOTE:
1. DETOUR PLAN INCLUDES THE CLOSURE OF US 202 NORTHBOUND FROM RAMP *6171 TO RAMP *6178, US 202 SOUTHBOUND FROM RAMP *6176 TO RAMP *6172 AND RAMP *6175.



UNOFFICIAL WEBSITE COPY

RECOMMENDED	DATE:	RECOMMENDED	DATE: 11-16-10	RECOMMENDED	DATE: 11/12/10	APPROVED CHIEF SAFETY OFFICER	DATE: 11-15-10	APPROVED TRAFFIC ENGINEER	DATE: 11/12/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	ROAD NO.	X
T200510602	DESIGNED BY:	DJD / REM
COUNTY	CHECKED BY:	KMC
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 10 OF 15

SHEET NO.	414
TOTAL SHTS.	482

DETOUR PLAN
STRUCTURE NO. 763
(PHASE 1, STAGE 2)

NOTES:

1. DETOUR PLAN INCLUDES THE CLOSURE OF I-95 NORTHBOUND FROM RAMP *6172 TO RAMP *6171, I-95 SOUTHBOUND FROM RAMP *6174 TO RAMP *6173, RAMP *6175, RAMP *6176 AND RAMP *6177.

2. DETOUR SHOULD BE PERFORMED WITH DETOUR PLAN I-95 TO I-495.

3. SEE DETOUR PLAN I-95 TO I-495 FOR ADDITIONAL SIGNS AND DEVICES.

UNOFFICIAL WEBSITE COPY

DETAIL A

DETAIL B

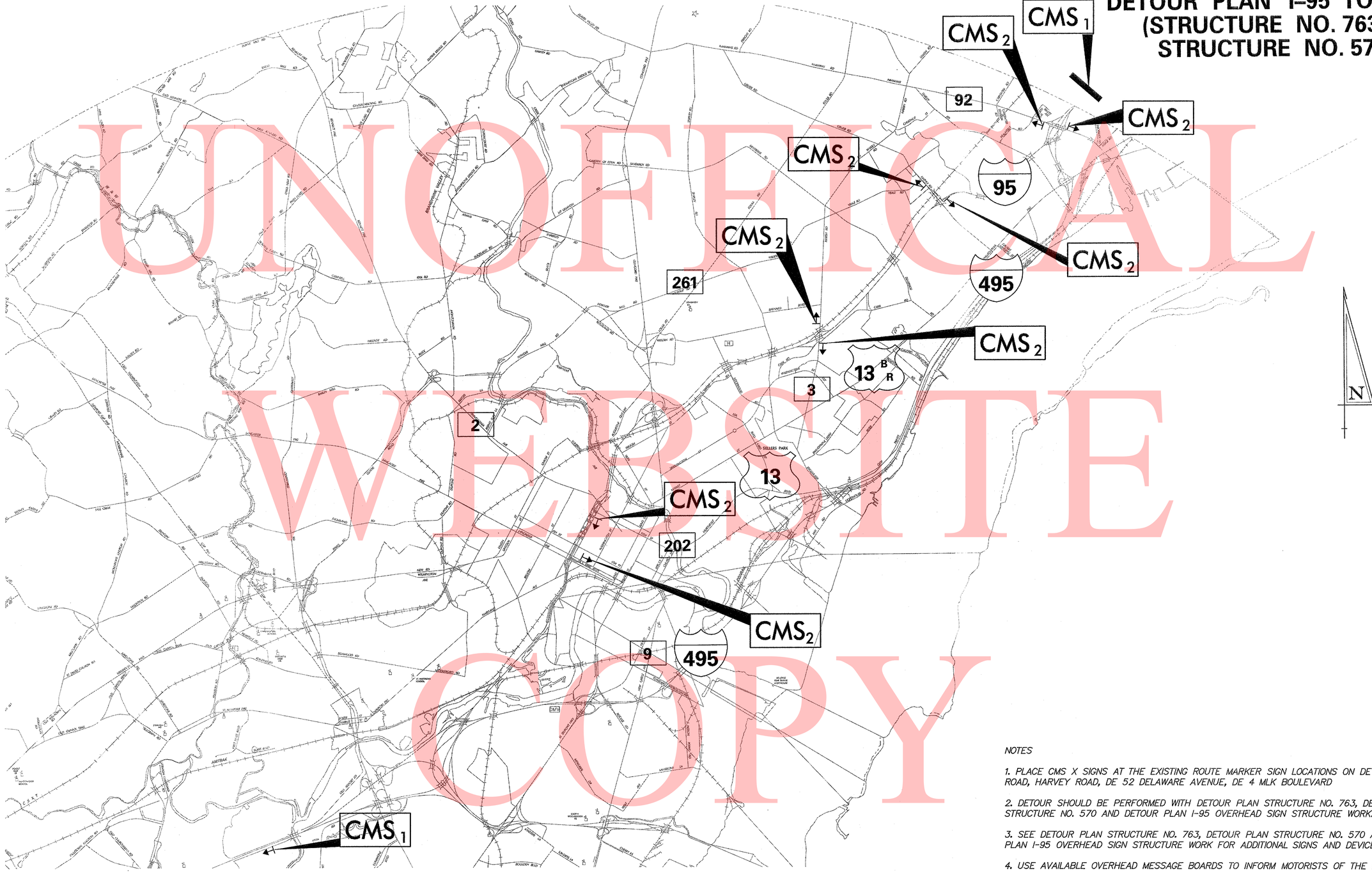
DETAIL A
NOT TO SCALE

DETAIL B
NOT TO SCALE

RECOMMENDED _____ DATE:	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10	APPROVED TRAFFIC ENGINEER _____ DATE: 8/24/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	ROAD NO. X	CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 11 OF 15	SHEET NO. 415
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

DETOUR PLAN I-95 TO I-495 (STRUCTURE NO. 763 & STRUCTURE NO. 570)



UNOFFICIAL WEBSITE COPY

NOTES

1. PLACE CMS X SIGNS AT THE EXISTING ROUTE MARKER SIGN LOCATIONS ON DE 3 MARSH ROAD, HARVEY ROAD, DE 52 DELAWARE AVENUE, DE 4 MLK BOULEVARD

2. DETOUR SHOULD BE PERFORMED WITH DETOUR PLAN STRUCTURE NO. 763, DETOUR PLAN STRUCTURE NO. 570 AND DETOUR PLAN I-95 OVERHEAD SIGN STRUCTURE WORK.

3. SEE DETOUR PLAN STRUCTURE NO. 763, DETOUR PLAN STRUCTURE NO. 570 AND DETOUR PLAN I-95 OVERHEAD SIGN STRUCTURE WORK FOR ADDITIONAL SIGNS AND DEVICES.

4. USE AVAILABLE OVERHEAD MESSAGE BOARDS TO INFORM MOTORISTS OF THE DETOUR.

RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/16/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10
			APPROVED TRAFFIC ENGINEER _____ DATE: 8/24/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	ROAD NO.	X
T200510602	DESIGNED BY: DJD / REM	
COUNTY	CHECKED BY: KMC	
NEW CASTLE		

CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 12 OF 15

SHEET NO.
416
TOTAL SHTS.
482

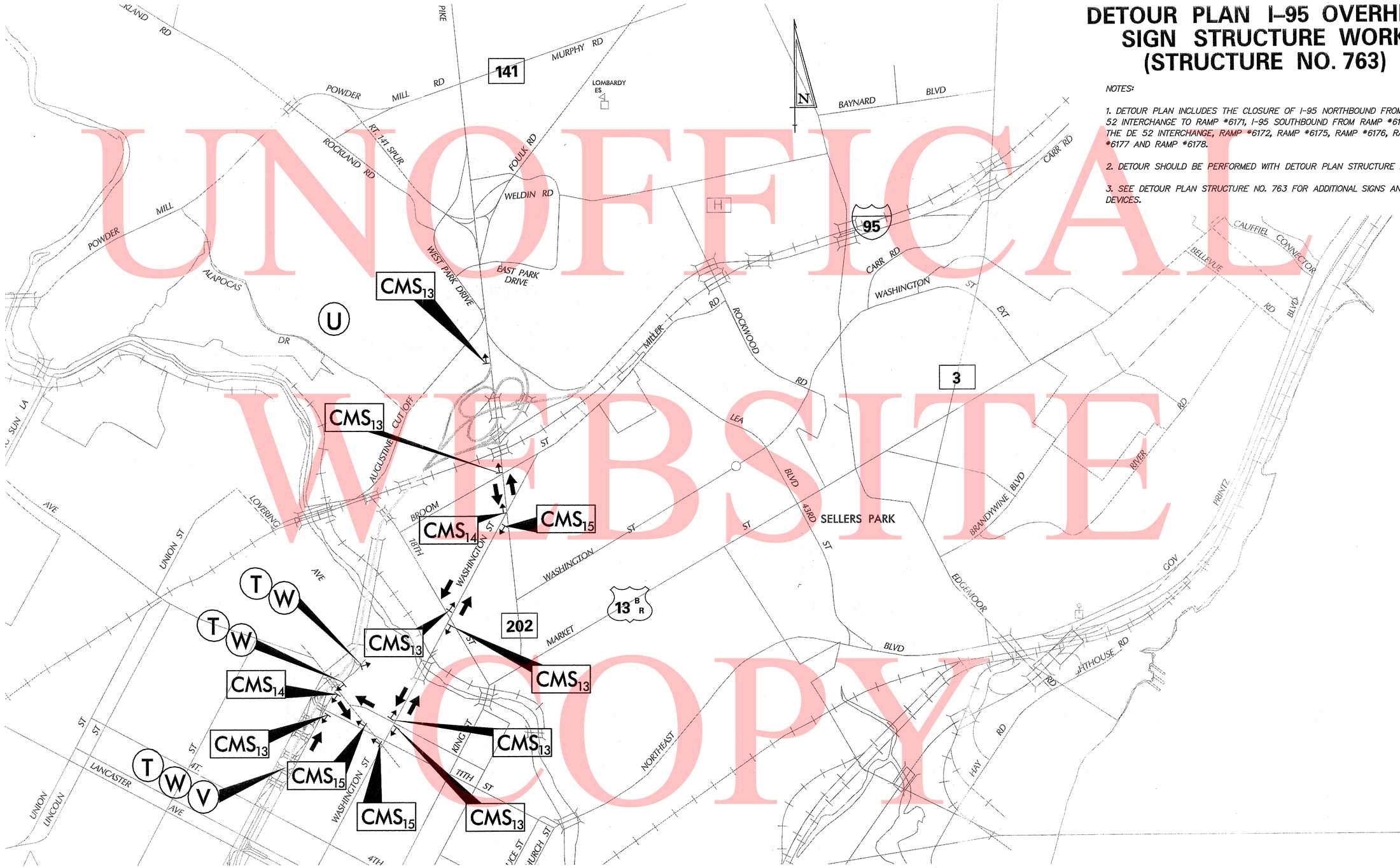
DETOUR PLAN I-95 OVERHEAD SIGN STRUCTURE WORK (STRUCTURE NO. 763)

NOTES:

1. DETOUR PLAN INCLUDES THE CLOSURE OF I-95 NORTHBOUND FROM THE DE 52 INTERCHANGE TO RAMP *6171, I-95 SOUTHBOUND FROM RAMP *6174 TO THE DE 52 INTERCHANGE, RAMP *6172, RAMP *6175, RAMP *6176, RAMP *6177 AND RAMP *6178.

2. DETOUR SHOULD BE PERFORMED WITH DETOUR PLAN STRUCTURE NO. 763.

3. SEE DETOUR PLAN STRUCTURE NO. 763 FOR ADDITIONAL SIGNS AND DEVICES.



UNOFFICAL WEBSITE COPY

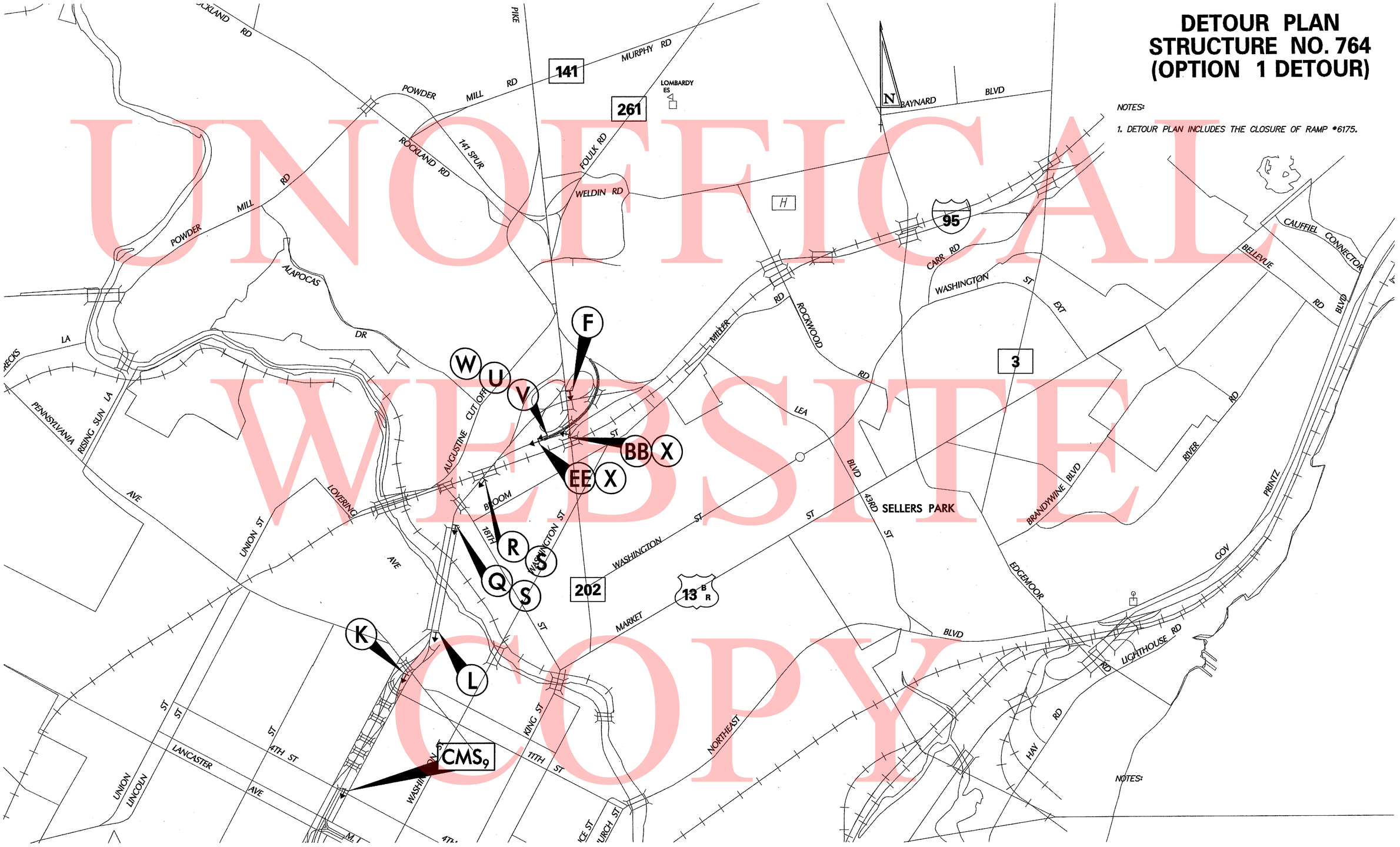
RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: 8/26/10	RECOMMENDED _____ DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER _____ DATE: 8-25-10	APPROVED TRAFFIC ENGINEER _____ DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	ROAD NO. X	CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 13 OF 15	SHEET NO. 417
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM		TOTAL SHTS. 482
					CHECKED BY: KMC		

DETOUR PLAN
STRUCTURE NO. 764
(OPTION 1 DETOUR)

NOTES:

1. DETOUR PLAN INCLUDES THE CLOSURE OF RAMP *6175.



NOTES:

UNOFFICAL WEBSITE COPY

RECOMMENDED _____ DATE: _____	RECOMMENDED [signature] DATE: 11-16-10	RECOMMENDED [signature] DATE: 11/9/10	APPROVED CHIEF SAFETY OFFICER [signature] DATE: 11-15-10	APPROVED TRAFFIC ENGINEER [signature] DATE: 11/15/10

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	ROAD NO. X	CONSTRUCTION PHASING, MOT & EROSION CONTROL DETOUR PLAN 14 OF 15
				COUNTY NEW CASTLE	DESIGNED BY: DJD / REM	SHEET NO. 418
					CHECKED BY: KMC	TOTAL SHTS. 482

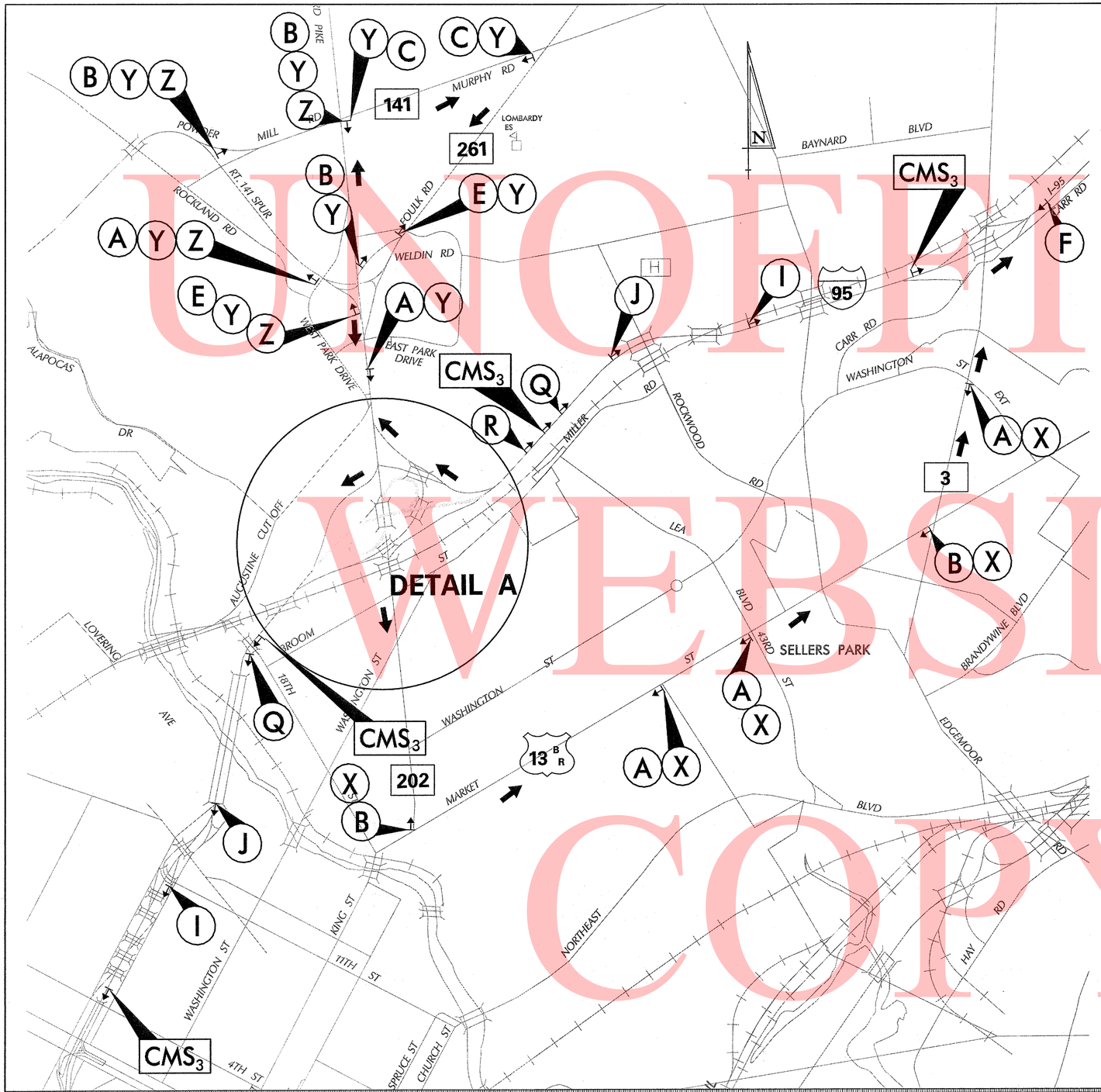
DETOUR PLAN
STRUCTURE NO. 570
(PHASE 3, STAGES 2 & 3)

NOTES:

1. DETOUR PLAN INCLUDES THE CLOSURE OF I-95 NORTHBOUND FROM RAMP *6172 TO RAMP *6171, I-95 SOUTHBOUND FROM RAMP *6174 TO RAMP *6173, RAMP *6176 AND RAMP *6178.

2. DETOUR SHOULD BE PERFORMED WITH DETOUR PLAN I-95 TO I-495.

3. SEE DETOUR PLAN I-95 TO I-495 FOR ADDITIONAL SIGNS AND DEVICES.



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RECOMMENDED _____ DATE:	RECOMMENDED [signature] DATE: 8/26/10	RECOMMENDED [signature] DATE: 8-26-10	APPROVED CHIEF SAFETY OFFICER [signature] DATE: 8-25-10

APPROVED TRAFFIC ENGINEER [signature] DATE: 8/26/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

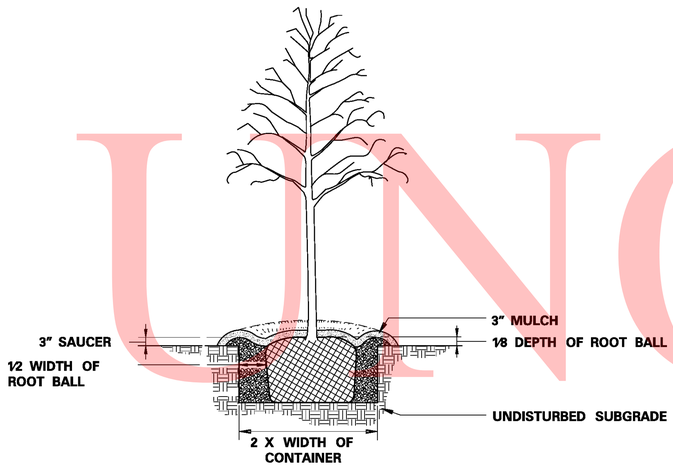
NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	ROAD NO.	X 323
COUNTY	NEW CASTLE	DESIGNED BY:	DJD / REM
		CHECKED BY:	KMC

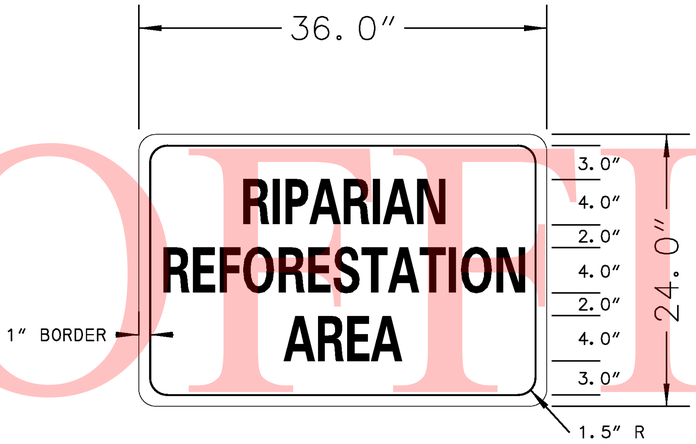
CONSTRUCTION PHASING, MOT & EROSION CONTROL
15 OF 15

SHEET NO.	419
TOTAL SHTS.	482



DECIDUOUS TREE PLANTING DETAIL

B & B AND CONTAINER GROWN
NOT TO SCALE



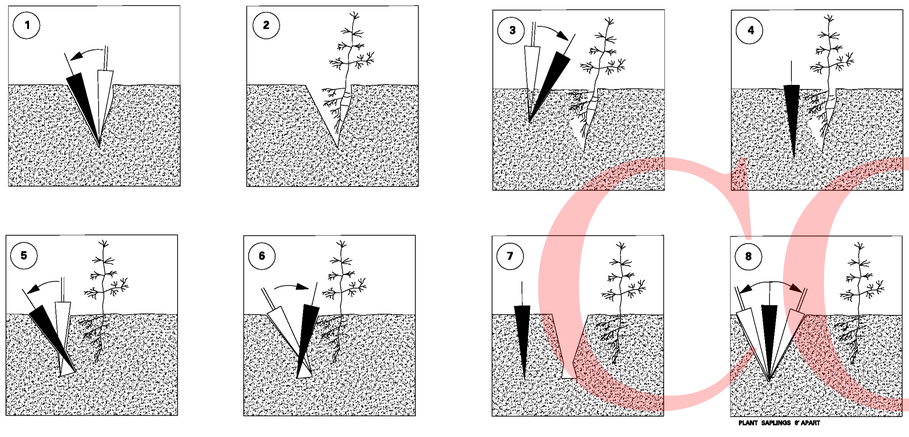
COLOR: LEGEND AND BORDER *WHITE (REFLECTORIZED)
BACKGROUND *BROWN (NON-REFLECTORIZED)

SIGN DETAIL – RIPARIAN REFORESTATION AREA

NOT TO SCALE

NATIVE GRASS SEEDING = NO MOW MIX				
SPECIES NAME COMMON	MAX. % WEED SEEDS	MIN. % PURITY	MIN. % GERMINATION	SEEDING RATE LB/AC
ANNUAL RYE	0.15	98	90	30
LITTLE BLUESTEM	1.00	80	70	40
DEERTONGUE	1.00	95	60	30
SWITCHGRASS	1.00	95	70	20
INDIAN GRASS	1.00	85	75	30
TOTAL SEED QUANTITY (LB/AC)				150

SAPLING PLANTING DETAIL



INTERCHANGE AREA - PLANTING NOTES

1. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH DELDOT STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR SECTION 737 - PLANTING.

2. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANITIES SHOWN ON THE PLANS WITH THE TOTALS IN THE PLANTING SCHEDULES. WHERE DESCREPANCIES OCCUR BETWEEN THE PLANS AND THE PLANT SCHEDULES, THE PLANS SHALL GOVERN.

3. ALL PLANTING SHALL BE DONE UNDER THE SUPERVISION OF AN EXPERIENCED HORTICULTURALIST OR PERSON WITH LIKE PROFESSIONAL KNOWLEDGE.

4. ALL PLANTING AREAS (INCLUDING REFORESTATION AREAS) ARE TO HAVE AT LEAST 12 INCHES OF SOIL SUITABLE FOR HEALTHY TREE GROWTH. TOPSOIL IS TO BE ADDED IN ACCORDANCE WITH SECTION 732 AND/OR SECTION 733 TO ANY PLANTING AREAS LACKING SUITABLE SOILS.

5. THE REFORESTATION AREAS ARE TO BE SEEDED PRIOR TO PLANTING OF SAPLINGS.

6. DISK AREAS TO BE SEEDED TO A DEPTH OF 4". UNIFORMLY AND EVENLY BROADCAST SEED OVER THE DISKED AREA. THE SEED SHALL BE INCORPORARTED INTO THE SOIL TO A MINIMUM DEPTH OF ONE-QUARTER INCH (1/4") AND A MAXIMUM DEPTH OF ONE-HALF INCH (1/2"). MULCH SEEDED AREAS IN ACCORDANCE WITH SECTIONS 735.02 AND 735.03, THEN TRACK IN THE MULCH. LOW PRESSURE TIRES OR EQUIPMENT SHALL BE USED IN PREPERATION OF THE SEED BED AND ON SEEDING EQUIPMENT.

7. SAPLINGS ARE TO BE RANDOMLY PLACED WITH THE QUALIFICATION THAT NO MORE THAN TWO PLANTS OF THE SAME SPECIES BE IMMEDIATELY ADJACENT TO EACH OTHER. THERE SHOULD BE NO CLUSTERS (3 OR MORE PLANTS) OF THE SAME SPECIES.

8. SAPLINGS ARE TO BE PLANTED TO ATTAIN A PLANT DENSITY OF AT LEAST 700 STEMS PER ACRE.

9. SEE PROJECT NOTES FOR PLANTING SCHEDULE SPECIAL REQUIREMENTS.

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4/15/2011

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LANDSCAPE PLAN SHEET LP 6 OF 6	SHEET NO. 425
				COUNTY NEW CASTLE	DESIGNED BY: REL		TOTAL SHTS. 482
					CHECKED BY: LMM		

BCSP RIPARIAN REFORESTATION AREA

PLANTING SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
TREES						
TA	22	TILIA AMERICANA	BASSWOOD (LINDEN)	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA
PO	28	PLATANUS OCCIDENTALIS	SYCAMORE	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA
CT	18	CARYA TOMENTOSA	MOCKERNUT HICKORY	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA
NS	17	NYSSA SYLVATICA	BLACK GUM	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA
QP	27	QUERCUS PALUSTRIS	PIN OAK	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA
UA	22	ULMUS AMERICANA	AMERICAN ELM	1.5" - 2" CAL.	BB/CONT.	REFORESTATION AREA

LEGEND

BE	EXISTING TREE & SPECIES GA - GREEN ASH BE - BOX ELDER SM - SILVER MAPLE AS - AMERICAN SYCAMORE BH - BITTERNUT HICKORY
	PROPOSED TREE

RIPARIAN REFORESTATION AREA PLANTING NOTES:

1. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH DELDOT STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR SECTION 737 PLANTING.

2. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES SHOWN ON THE PLANS WITH THE TOTALS IN THE PLANTING SCHEDULES. WHERE DISCREPANCIES OCCUR BETWEEN THE PLANS AND THE PLANT SCHEDULES, THE PLANS SHALL GOVERN.

3. THE CONTRACTOR SHALL COORDINATE ACCESS TO SITE WITH BRANDYWINE CREEK STATE PARK MANAGER, DWIGHT ANTILLA (302.577.3534), PRIOR TO PLANTING.

4. TREE SPACING SHALL BE 20' ON AVERAGE, VARYING FROM 18' to 22' FOOT CENTERS IN ORDER TO CREATE A NATURALIZED PLANTING PATTERN.

5. TREE PLANTINGS ARE TO BE PLACED SUCH THAT NO MORE THAN TWO PLANTS OF THE SAME SPECIES ARE IMMEDIATELY ADJACENT TO EACH OTHER

6. TREE LOCATIONS ARE TO BE STAKED WITH SPECIES NAME PLACED ON EACH STAKE FOR INSPECTION AND APPROVAL BY THE DNREC DEPARTMENT OF PARKS. STAKES SHALL BE PLACED A MINIMUM OF ONE WEEK PRIOR TO PARK MANAGER REVIEW. ALLOW PARK MANAGER A MINIMUM OF TWO WEEKS NOTICE PRIOR TO PLANTING TO ALLOW REVIEW OF STAKE OUT.

7. ALL PLANTING SHALL BE DONE UNDER THE SUPERVISION OF AN EXPERIENCED HORTICULTURALIST OR PERSON WITH LIKE PROFESSIONAL KNOWLEDGE.

8. SEE PROJECT NOTES FOR PLANTING SCHEDULE SPECIAL REQUIREMENTS.

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4/15/2011

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602	BRIDGE NO.	NA	
COUNTY NEW CASTLE	DESIGNED BY:	BRM	
	CHECKED BY:	LMM	

LANDSCAPE PLAN SHEET

LP 5 OF 6

SHEET NO.	424
TOTAL SHTS.	482

UNOFFICIAL WEBSITE COPY

PLANTING SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
TREES						
AB	78	FAGUS GRANDIFOLIA	AMERICAN BEECH	BARE ROOT	SEEDLING	REFORESTATION AREA
BC	26	PRUNUS SEROTINA	BLACK CHERRY	BARE ROOT	SEEDLING	REFORESTATION AREA
BC	6	PRUNUS SEROTINA	BLACK CHERRY	1.5" - 2" CAL.	B & B	
BH	78	CARYA CORDIFORMIS	BITTERNUT HICKORY	BARE ROOT	SEEDLING	REFORESTATION AREA
ER	26	CERCIS CANADENSIS	EASTERN REDBUD	BARE ROOT	SEEDLING	REFORESTATION AREA
ER	11	CERCIS CANADENSIS	EASTERN REDBUD	5' - 6' HT.	CONT.	
RO	78	QUERCUS RUBRA	RED OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
WO	78	QUERCUS ALBA	WHITE OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
WO	8	QUERCUS ALBA	WHITE OAK	1.5" - 2" CAL.	B & B	
SEED						
	3273		SEED MIX 1		SY	SEE NOTES
BED PREPARATION						
	3273		TOPSOIL	12" DEPTH	SY	
MULCH						
	36		SHREDDED HARDWOOD BARK MULCH	3" DEPTH	SY	

STATE OF DELAWARE
DEED RECORD 1166-13
TAX PARCEL ID 06-128.00-128

STATE OF DELAWARE
DEED RECORD 1866-273
TAX PARCEL ID 06-129.00-001

ROCK MANOR AVENUE

MATCHLINE SHEET LP 3 OF 6

MATCHLINE RAMP 3
STA 226+50.00
SHEET LP 3 OF 6

MARKED FOR REMOVAL

BITUMINOUS PAVEMENT

VAULT

RAMP 3

US 202 SB

US 202 NB

US 202

BITUMINOUS OVER CONCRETE PAVEMENT

BIT. OVER CONC. PAV.

FLOWABLE FILL

24" RCP

24" RCP (ABANDONED)

30" RCP

15" RCP

15" CMP (ABANDONED)

6" CPP

12" CMP X 18"

15" DOUBLE GATE

SEP.

OH SIGN

1" TEL CABLE

MH# 580

MH# 581

HOO

DDH

ELEC. METER AND SWITCH

TRANSFORMERS

SWITCH BOX

BOULDER

RIP-RAP

RAMP 4

C.B.

SHS

SB

LOC

227+00 228+00 229+00 230+00

1018+00 1019+00 1020+00 1021+00 1022+00 1023+00 1024+00 1025+00 1026+00

452+00 463+00

LEGEND

- TREE PLANTING
- TOPSOIL SEED MIX 1 AREA
- REFORESTATION AREA

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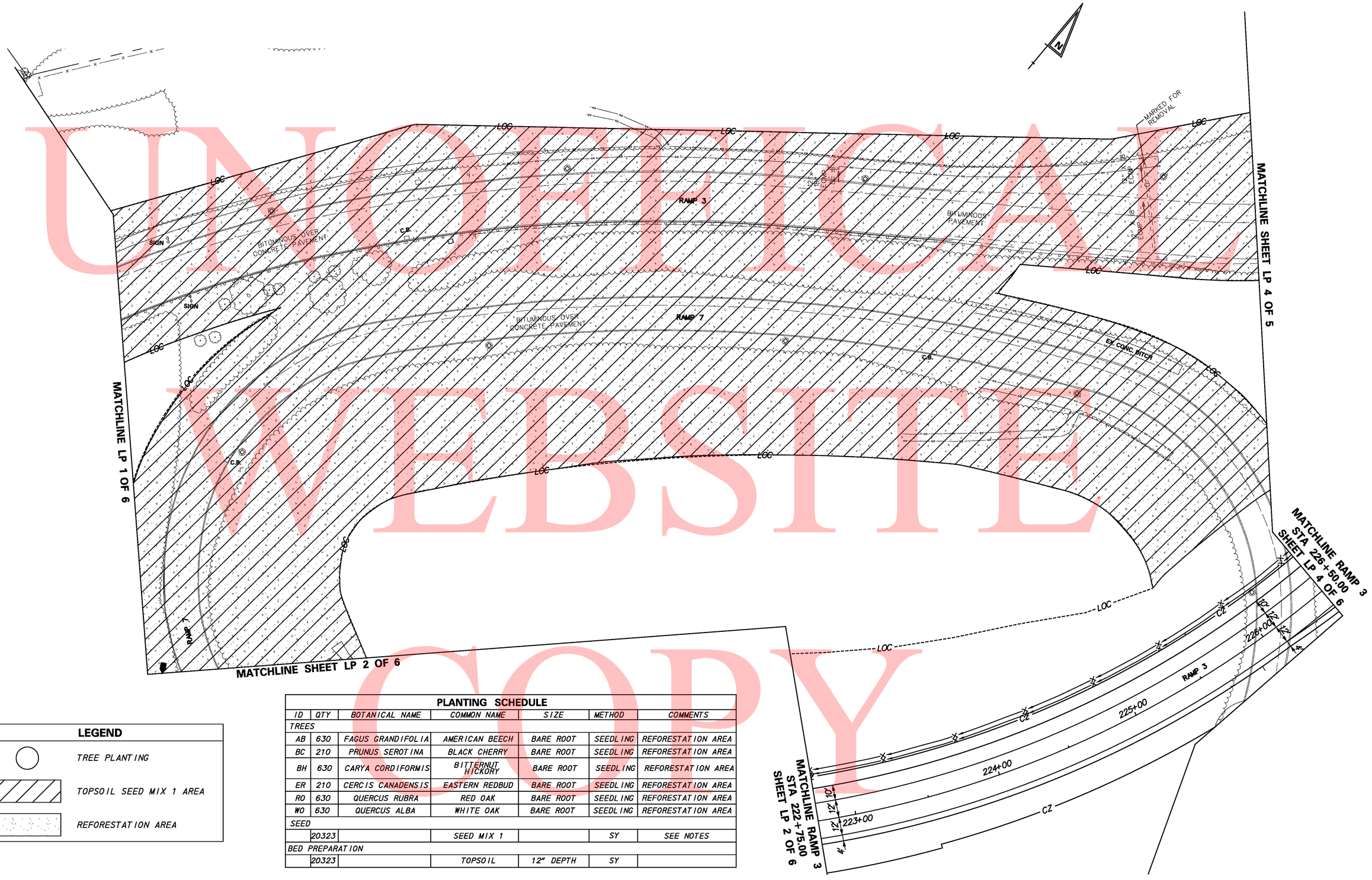
4/15/2011

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LANDSCAPE PLAN SHEET LP 4 OF 6	SHEET NO. 423
				COUNTY NEW CASTLE	DESIGNED BY: REL		TOTAL SHTS. 482
					CHECKED BY: LMM		



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LEGEND

- TREE PLANTING
- TOPSOIL SEED MIX 1 AREA
- REFORESTATION AREA

PLANTING SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
TREES						
AB	630	FAGUS GRANDIFOLIA	AMERICAN BEECH	BARE ROOT	SEEDLING	REFORESTATION AREA
BC	210	PRUNUS SEROTINA	BLACK CHERRY	BARE ROOT	SEEDLING	REFORESTATION AREA
BH	630	CARYA CORDIFORMIS	BITTERNUT HICKORY	BARE ROOT	SEEDLING	REFORESTATION AREA
ER	210	CERCIS CANADENSIS	EASTERN REDBUD	BARE ROOT	SEEDLING	REFORESTATION AREA
RO	630	QUERCUS RUBRA	RED OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
WO	630	QUERCUS ALBA	WHITE OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
SEED						
	20323		SEED MIX 1		SY	SEE NOTES
BED PREPARATION						
	20323		TOPSOIL	12" DEPTH	SY	

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4/5/2011

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	BRIDGE NO.	NA
COUNTY	NEW CASTLE	DESIGNED BY:	REL
		CHECKED BY:	LMM

LANDSCAPE PLAN SHEET
LP 3 OF 6

SHEET NO.	422
TOTAL SHTS.	482

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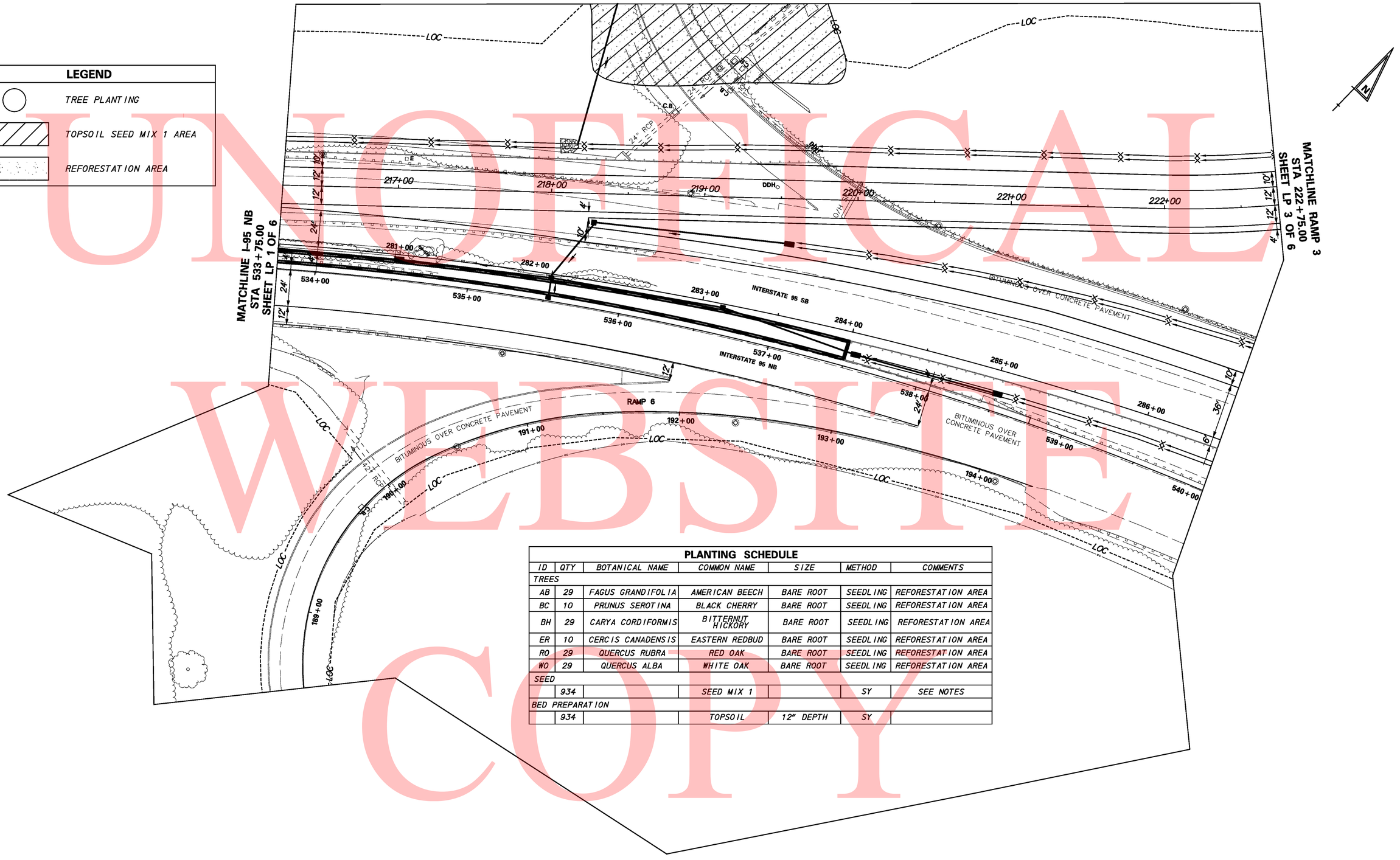
MATCHLINE SHEET LP 4 OF 6

LEGEND

- TREE PLANTING
- TOPSOIL SEED MIX 1 AREA
- REFORESTATION AREA



PLANTING SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
TREES						
AB	29	FAGUS GRANDIFOLIA	AMERICAN BEECH	BARE ROOT	SEEDLING	REFORESTATION AREA
BC	10	PRUNUS SEROTINA	BLACK CHERRY	BARE ROOT	SEEDLING	REFORESTATION AREA
BH	29	CARYA CORDIFORMIS	BITTERNUT HICKORY	BARE ROOT	SEEDLING	REFORESTATION AREA
ER	10	CERCIS CANADENSIS	EASTERN REDBUD	BARE ROOT	SEEDLING	REFORESTATION AREA
RO	29	QUERCUS RUBRA	RED OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
WO	29	QUERCUS ALBA	WHITE OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
SEED						
	934		SEED MIX 1		SY	SEE NOTES
BED PREPARATION						
	934		TOPSOIL	12" DEPTH	SY	

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4/15/2011

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	REL
COUNTY	CHECKED BY:	LMM
NEW CASTLE		

LANDSCAPE PLAN SHEET
LP 2 OF 6

SHEET NO.
421
TOTAL SHTS.
482

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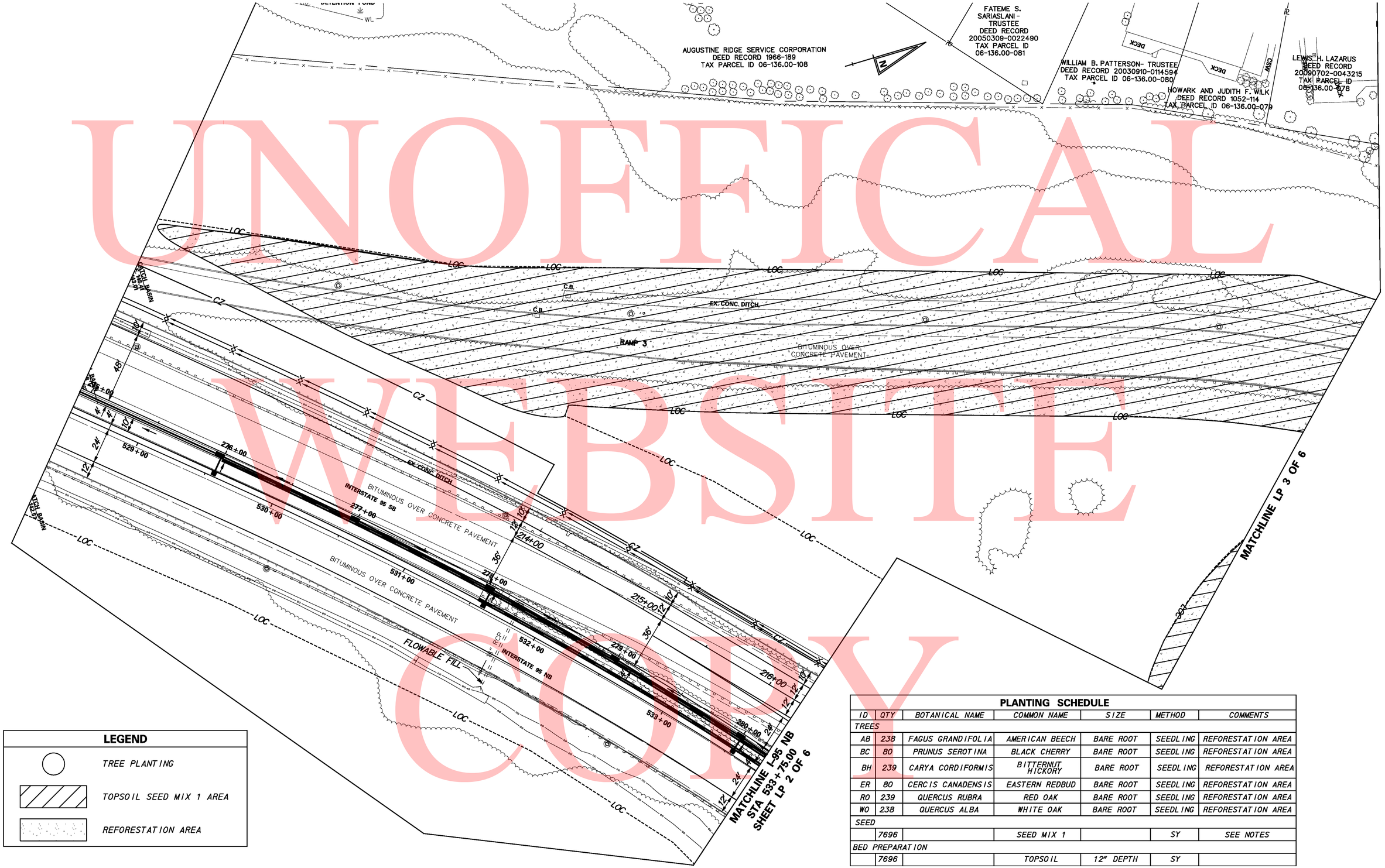

LEGEND

- TREE PLANTING
- TOPSOIL SEED MIX 1 AREA
- REFORESTATION AREA

PLANTING SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
TREES						
AB	238	FAGUS GRANDIFOLIA	AMERICAN BEECH	BARE ROOT	SEEDLING	REFORESTATION AREA
BC	80	PRUNUS SEROTINA	BLACK CHERRY	BARE ROOT	SEEDLING	REFORESTATION AREA
BH	239	CARYA CORDIFORMIS	BITTERNUT HICKORY	BARE ROOT	SEEDLING	REFORESTATION AREA
ER	80	CERCIS CANADENSIS	EASTERN REDBUD	BARE ROOT	SEEDLING	REFORESTATION AREA
RO	239	QUERCUS RUBRA	RED OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
WO	238	QUERCUS ALBA	WHITE OAK	BARE ROOT	SEEDLING	REFORESTATION AREA
SEED						
	7696		SEED MIX 1		SY	SEE NOTES
BED PREPARATION						
	7696		TOPSOIL	12" DEPTH	SY	

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4/5/2011

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	REL
COUNTY	CHECKED BY:	LMM
NEW CASTLE		

LANDSCAPE PLAN SHEET LP 1 OF 6

SHEET NO.	420
TOTAL SHTS.	482

INDEX OF SHEETS

SHEET INDEX – SHEET 1

PLAN SHEETS – SHEETS 2 – 8

DETAILS – SHEETS 9 – 11

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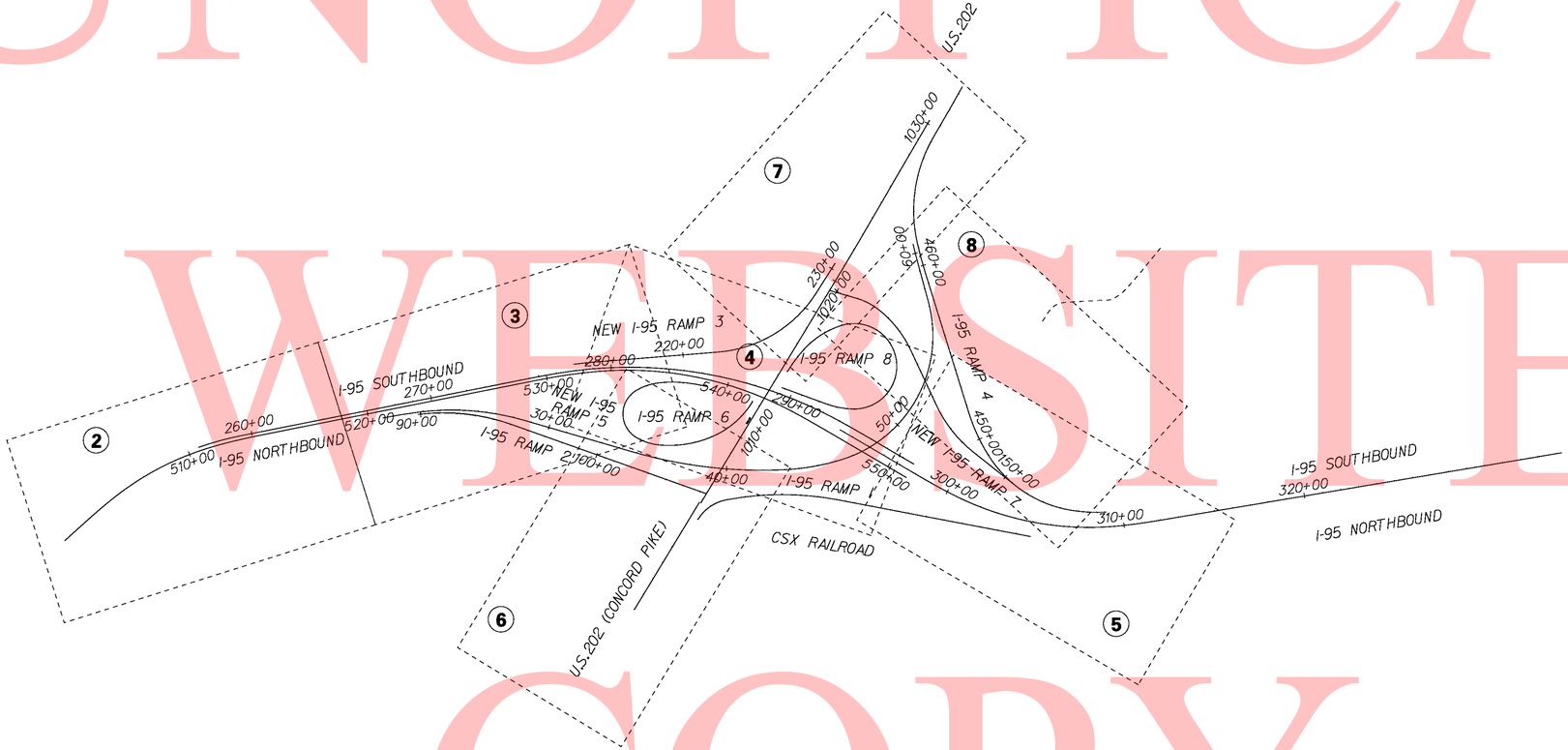

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11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 200 400 600 800	**I-95 & US 202 INTERCHANGE**	CONTRACT T200510602	BRIDGE NO. NA	**LIGHTING PLAN**	SHEET NO. 426
				COUNTY NEW CASTLE	DESIGNED BY: MT	**LP 1 OF 11**	TOTAL SHTS. 482
					CHECKED BY: DRK		

SCHEDULE OF CONDUIT AND CONDUCTOR RUN

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
CO-1	1-3"	238	E	2-#6 AWG,1-#8 AWG
CO-2	1-3"	229	E,F	3-#6 AWG,1-#8 AWG
CO-3	1-3"	235	E,F	3-#6 AWG,1-#8 AWG
CO-4	1-3"	245	E,F	3-#6 AWG,1-#8 AWG
CO-5	1-3"	240	E,F	3-#6 AWG,1-#8 AWG
CO-6	1-3"	222	E,F	3-#6 AWG,1-#8 AWG
CO-7	1-3"	114	E,F	3-#6 AWG,1-#8 AWG
* CO-8	EXISTING	EXISTING	G,H,U,V	EXISTING
* CO-9	EXISTING	EXISTING	G,H,U,V	EXISTING
* CO-10	EXISTING	EXISTING	G,H,U,V	EXISTING
* CO-11	EXISTING	EXISTING	G,H,U,V	EXISTING
* CO-12	EXISTING	EXISTING	G,H,U,V	EXISTING
CO-13	1-3"	200	G,H,U,V	6-#2/0 AWG,1-#2 AWG
CO-14	1-3"	269	G,H,U,V	6-#2/0 AWG,1-#2 AWG
CO-15	1-3"	157	G,H,U,V	6-#2/0 AWG,1-#2 AWG
CO-16	1-3"	244	A	2-#6 AWG,1-#8 AWG
CO-17	1-3"	244	A,B	3-#6 AWG,1-#8 AWG
CO-18	1-3"	275	A,B	3-#6 AWG,1-#8 AWG
CO-19	1-3"	232	A,B	3-#6 AWG,1-#8 AWG
CO-20	1-3"	235	A,B	3-#6 AWG,1-#8 AWG
CO-21	1-3"	233	A,B	3-#6 AWG,1-#8 AWG

* EXISTING CONDUIT

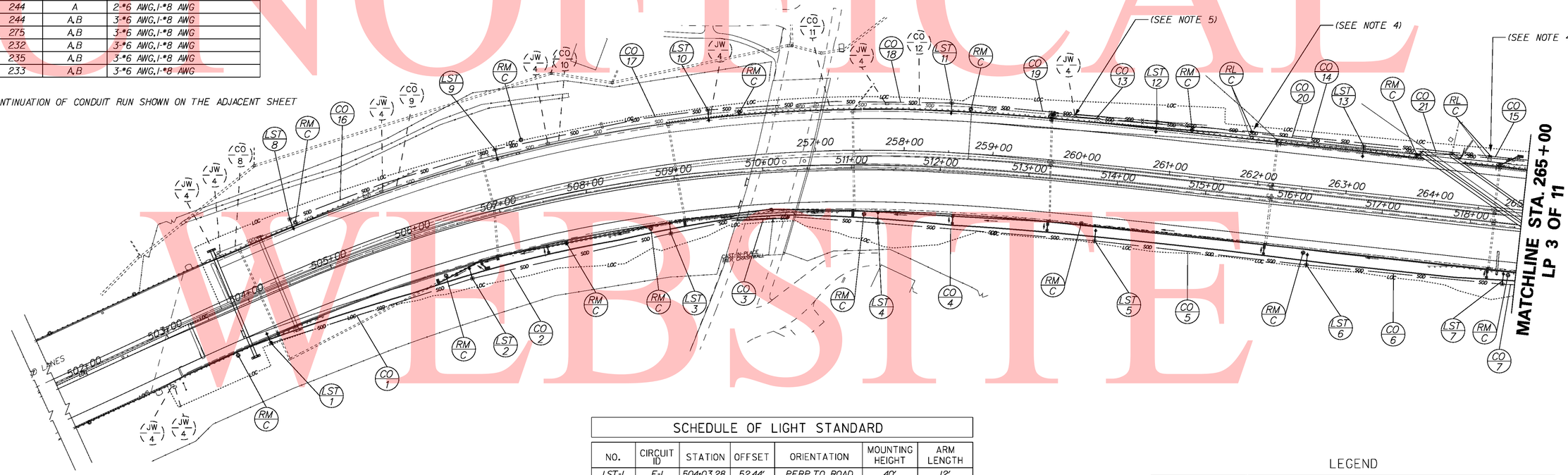
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF RELOCATED CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
261+87.46	-58.12'	EXISTING	EXISTING
264+56.81	-59.75'	EXISTING	EXISTING

NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE,PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III,MEDIUM,FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. ADD NEW JUNCTION WELLS TO ALLOW FOR RELOCATED PATHWAY TO BE BUILT AND THEN SWITCH TO OCCUR TO MINIMIZE IMPACT TO BRANDYWINE BRIDGE LIGHTING SYSTEM.
5. CONNECT THE CONDUIT TO THE EXISTING JUNCTION WELL. SPLICE THE NEW CABLES IN ORDER TO MAINTAIN THE EXISTING LIGHTING SYSTEM FOR I-95 BRANDYWINE RIVER BRIDGE.



SCHEDULE OF LIGHT STANDARD

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-1	E-1	504+03.28	52.44'	PERP.TO ROAD	40'	12'
LST-2	F-1	506+49.02	63.00'	PERP.TO ROAD	40'	12'
LST-3	E-2	508+88.00	59.97'	PERP.TO ROAD	40'	12'
LST-4	F-2	511+30.51	60.80'	PERP.TO ROAD	40'	12'
LST-5	E-3	513+80.90	65.00'	PERP.TO ROAD	40'	12'
LST-6	F-3	516+21.49	66.53'	PERP.TO ROAD	40'	12'
LST-7	E-4	518+43.41	64.15'	PERP.TO ROAD	40'	12'
LST-8	A-1	504+76.62	-68.65'	PERP.TO ROAD	40'	12'
LST-9	B-1	507+11.89	-70.65'	PERP.TO ROAD	40'	12'
LST-10	A-2	509+45.05	-73.59'	PERP.TO ROAD	40'	12'
LST-11	B-2	258+50.51	-55.84'	PERP.TO ROAD	40'	12'
LST-12	A-3	260+79.61	-57.80'	PERP.TO ROAD	40'	12'
LST-13	B-3	263+13.76	-55.60'	PERP.TO ROAD	40'	12'

LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH,3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT,3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
▫	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

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11/5/200

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	MT
CHECKED BY:	DRK

LIGHTING PLAN LP 2 OF 11

SHEET NO.	427
TOTAL SHTS.	482

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (1 OF 2)

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-7				
** CO-15				
** CO-21				
CO-22	1-3"	106	E,F	3-#6 AWG,1-#8 AWG
CO-23	1-3"	215	E,F	3-#6 AWG,1-#8 AWG
CO-24	1-3"	218	E,F	3-#6 AWG,1-#8 AWG
CO-25	1-3"	3	E,F	3-#6 AWG,1-#8 AWG
CO-26	1-3"	206	E,F	3-#6 AWG,1-#8 AWG
CO-27	1-3"	214	F	2-#6 AWG,1-#8 AWG
* CO-28	EXISTING	EXISTING	I,J	EXISTING
CO-29	1-3"	206	I	2-#6 AWG,1-#8 AWG
CO-30	1-3"	67	E,F	3-#6 AWG,1-#8 AWG
CO-31	1-3"	39	E,F	3-#6 AWG,1-#8 AWG
CO-32	1-3"	254	E,F	3-#6 AWG,1-#8 AWG
CO-33	1-3"	245	E,F	3-#6 AWG,1-#8 AWG
CO-34	1-3"	241	E,F	3-#6 AWG,1-#8 AWG
CO-35	1-3"	234	E	2-#6 AWG,1-#8 AWG

* EXISTING CONDUIT

** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (2 OF 2)

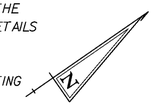
CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
CO-36	1-3"	188	I,J	3-#6 AWG,1-#8 AWG
CO-37	1-3"	151	I,J	3-#6 AWG,1-#8 AWG
CO-38	1-3"	258	I,J	3-#6 AWG,1-#8 AWG
* CO-39	1-3"	149	E,F	3-#6 AWG,1-#8 AWG
CO-40	1-3"	67	A,B	3-#6 AWG,1-#8 AWG
CO-41	3-3"	5	A,B,E,F, G,H,U,V	6-#2/0 AWG,1-#2 AWG, 6-#6 AWG,2-#8 AWG
CO-42	1-3"	163	A,B	3-#6 AWG,1-#8 AWG
CO-43	1-3"	214	A,B	3-#6 AWG,1-#8 AWG
CO-44	1-3"	228	A,B	3-#6 AWG,1-#8 AWG
CO-45	1-3"	227	A,B	3-#6 AWG,1-#8 AWG
CO-46	1-3"	187	A,B	3-#6 AWG,1-#8 AWG
CO-47	1-3"	205	A,B	3-#6 AWG,1-#8 AWG
CO-48	1-3"	205	B	2-#6 AWG,1-#8 AWG

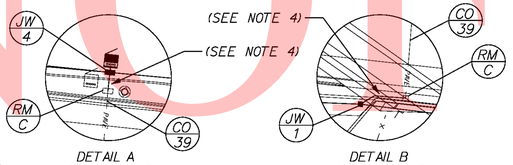
SCHEDULE OF LIGHT STANDARD

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-14	F-4	520+62.94	58.00'	PERP.TO ROAD	40'	12'
LST-15	E-5	22+79.24	28.02'	PERP.TO ROAD	40'	12'
LST-16	F-5	25+01.65	34.72'	PERP.TO ROAD	40'	12'
LST-17	E-6	94+27.92	16.00'	PERP.TO ROAD	40'	12'
LST-18	F-6	96+42.82	16.02'	PERP.TO ROAD	40'	12'
LST-20	I-1	30+92.20	28.00'	PERP.TO ROAD	40'	8'
LST-21	E-7	525+48.01	46.97'	PERP.TO ROAD	40'	12'
LST-22	F-7	528+02.38	46.00'	PERP.TO ROAD	40'	12'
LST-23	E-8	530+49.19	46.00'	PERP.TO ROAD	40'	12'
LST-24	F-8	532+93.89	46.00'	PERP.TO ROAD	40'	12'
LST-25	E-9	535+33.88	50.00'	PERP.TO ROAD	40'	12'
LST-26	I-6	188+09.65	10.00'	PERP.TO ROAD	40'	8'
LST-27	J-4	189+72.54	10.00'	PERP.TO ROAD	40'	8'
LST-28	A-4	265+46.75	-59.17'	PERP.TO ROAD	40'	12'
LST-29	B-4	267+77.52	-63.00'	PERP.TO ROAD	40'	12'
LST-30	A-5	269+91.58	-63.00'	PERP.TO ROAD	40'	12'
LST-31	B-5	272+19.28	-63.00'	PERP.TO ROAD	40'	12'
LST-32	A-6	274+46.72	-63.00'	PERP.TO ROAD	40'	12'
LST-33	B-6	276+32.62	-63.00'	PERP.TO ROAD	40'	12'
LST-34	A-7	214+34.64	-27.00'	PERP.TO ROAD	40'	12'
LST-35	B-7	216+39.02	-26.94'	PERP.TO ROAD	40'	12'

NOTES:

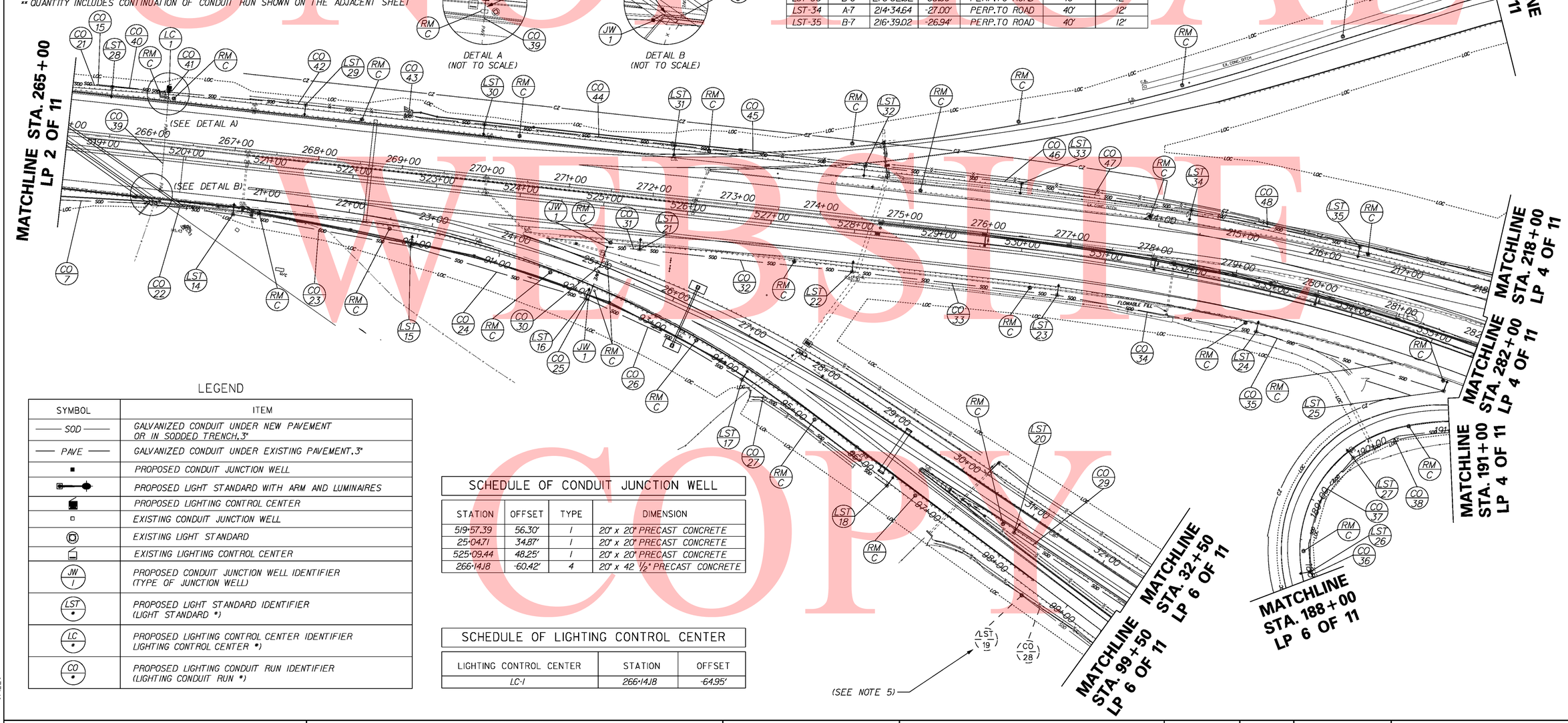
1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. REMOVE THE EXISTING LIGHTING JUNCTION WELLS AND EXTEND THE EXISTING CONDUIT CO#39 TO THE NEW JUNCTION WELLS ADDED ON THE FARTHER SIDE OF THE ROADWAY AS SHOWN ON THE PLAN. (SEE DETAILS A AND B)
5. EXISTING LIGHTING STANDARDS SHALL BE REPLACED WITH 40 FOOT MOUNTING HEIGHT LIGHTING STANDARD WITH 8 FOOT ARM. THE EXISTING LUMINAIRES SHALL BE REPLACED WITH FULL CUT-OFF TYPE.





DETAIL A
(NOT TO SCALE)

DETAIL B
(NOT TO SCALE)



LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH,3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT,3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
□	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / I	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

SCHEDULE OF CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
519+57.39	56.30'	1	20" x 20" PRECAST CONCRETE
25+04.71	34.87'	1	20" x 20" PRECAST CONCRETE
525+09.44	48.25'	1	20" x 20" PRECAST CONCRETE
266+14.18	-60.42'	4	20" x 42 1/2" PRECAST CONCRETE

SCHEDULE OF LIGHTING CONTROL CENTER

LIGHTING CONTROL CENTER	STATION	OFFSET
LC-1	266+14.18	-64.95'

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11/5/200

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	MT
CHECKED BY:	DRK

LIGHTING PLAN
LP 3 OF 11

SHEET NO.	428
TOTAL SHTS.	482

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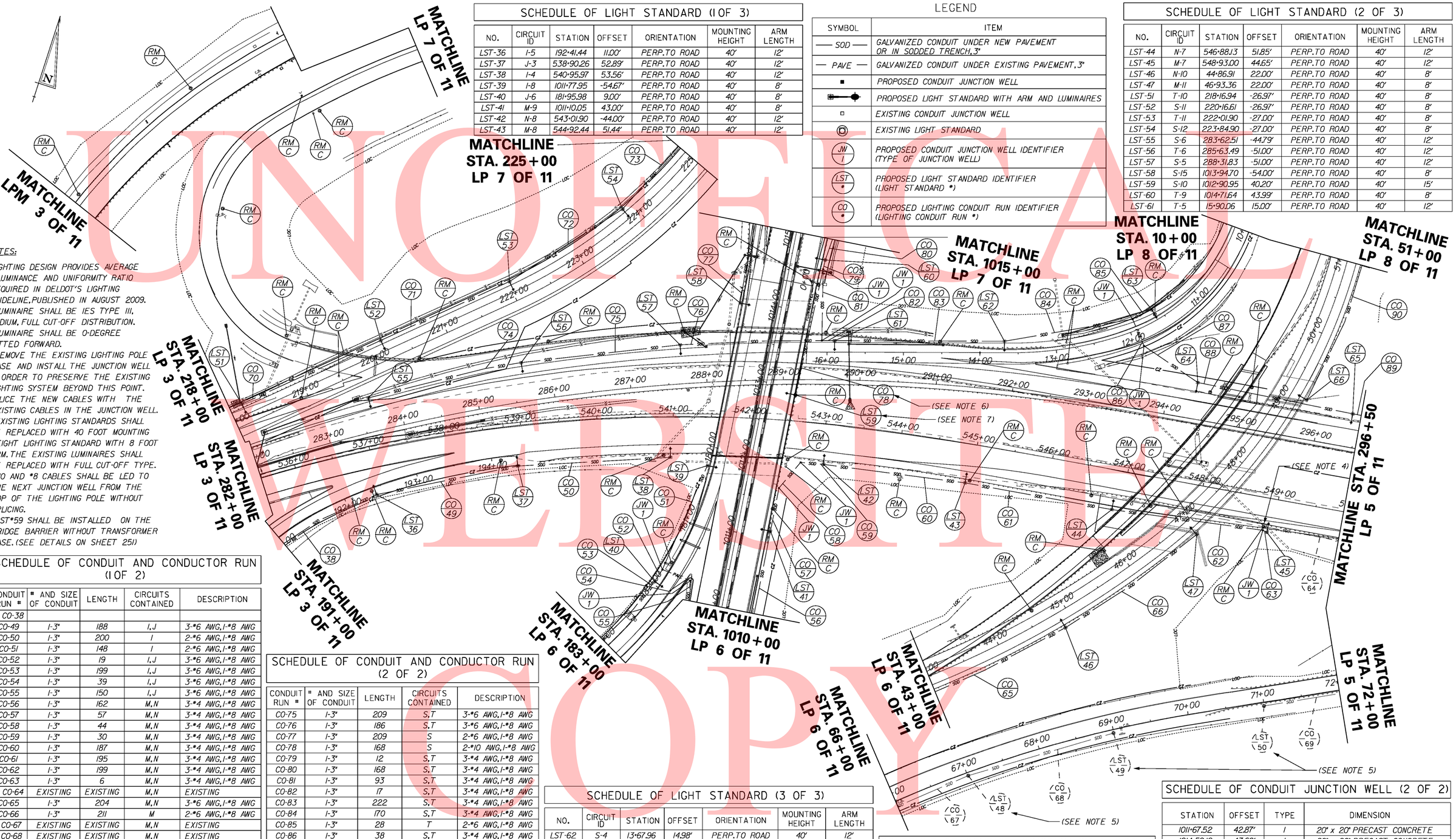
WEBSITE
COPY



NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. REMOVE THE EXISTING LIGHTING POLE BASE AND INSTALL THE JUNCTION WELL IN ORDER TO PRESERVE THE EXISTING LIGHTING SYSTEM BEYOND THIS POINT. SPLICE THE NEW CABLES WITH THE EXISTING CABLES IN THE JUNCTION WELL.
5. EXISTING LIGHTING STANDARDS SHALL BE REPLACED WITH 40 FOOT MOUNTING HEIGHT LIGHTING STANDARD WITH 8 FOOT ARM. THE EXISTING LUMINAIRES SHALL BE REPLACED WITH FULL CUT-OFF TYPE.
6. #10 AND #8 CABLES SHALL BE LED TO THE NEXT JUNCTION WELL FROM THE TOP OF THE LIGHTING POLE WITHOUT SPLICING.
7. LST*59 SHALL BE INSTALLED ON THE BRIDGE BARRIER WITHOUT TRANSFORMER BASE. (SEE DETAILS ON SHEET 251)

SCHEDULE OF LIGHT STANDARD (1 OF 3)

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-36	I-5	192+41.44	11.00'	PERP.TO ROAD	40'	12'
LST-37	J-3	538+90.26	52.89'	PERP.TO ROAD	40'	12'
LST-38	I-4	540+95.97	53.56'	PERP.TO ROAD	40'	12'
LST-39	I-8	1011+77.95	-54.67'	PERP.TO ROAD	40'	8'
LST-40	J-6	181+95.98	9.00'	PERP.TO ROAD	40'	8'
LST-41	M-9	1011+10.05	43.00'	PERP.TO ROAD	40'	8'
LST-42	N-8	543+01.90	-44.00'	PERP.TO ROAD	40'	12'
LST-43	M-8	544+92.44	51.44'	PERP.TO ROAD	40'	12'

LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH, 3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT, 3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
□	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
JW 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
CO *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

SCHEDULE OF LIGHT STANDARD (2 OF 3)

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-44	N-7	546+88.13	51.85'	PERP.TO ROAD	40'	12'
LST-45	M-7	548+93.00	44.65'	PERP.TO ROAD	40'	12'
LST-46	N-10	44+86.91	22.00'	PERP.TO ROAD	40'	8'
LST-47	M-11	46+93.36	22.00'	PERP.TO ROAD	40'	8'
LST-51	T-10	218+16.94	-26.97'	PERP.TO ROAD	40'	8'
LST-52	S-11	220+16.61	-26.97'	PERP.TO ROAD	40'	8'
LST-53	T-11	222+01.90	-27.00'	PERP.TO ROAD	40'	8'
LST-54	S-12	223+84.90	-27.00'	PERP.TO ROAD	40'	8'
LST-55	S-6	283+62.51	-44.79'	PERP.TO ROAD	40'	12'
LST-56	T-6	285+63.49	-51.00'	PERP.TO ROAD	40'	12'
LST-57	S-5	288+31.83	-51.00'	PERP.TO ROAD	40'	12'
LST-58	S-15	1013+94.70	-54.00'	PERP.TO ROAD	40'	8'
LST-59	S-10	1012+90.95	40.20'	PERP.TO ROAD	40'	15'
LST-60	T-9	1014+71.64	43.99'	PERP.TO ROAD	40'	8'
LST-61	T-5	15+90.06	15.00'	PERP.TO ROAD	40'	12'

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (1 OF 2)

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-38				
CO-49	1-3"	188	I,J	3-#6 AWG,1-#8 AWG
CO-50	1-3"	200	I	2-#6 AWG,1-#8 AWG
CO-51	1-3"	148	I	2-#6 AWG,1-#8 AWG
CO-52	1-3"	19	I,J	3-#6 AWG,1-#8 AWG
CO-53	1-3"	199	I,J	3-#6 AWG,1-#8 AWG
CO-54	1-3"	39	I,J	3-#6 AWG,1-#8 AWG
CO-55	1-3"	150	I,J	3-#6 AWG,1-#8 AWG
CO-56	1-3"	162	M,N	3-#4 AWG,1-#8 AWG
CO-57	1-3"	57	M,N	3-#4 AWG,1-#8 AWG
CO-58	1-3"	44	M,N	3-#4 AWG,1-#8 AWG
CO-59	1-3"	30	M,N	3-#4 AWG,1-#8 AWG
CO-60	1-3"	187	M,N	3-#4 AWG,1-#8 AWG
CO-61	1-3"	195	M,N	3-#4 AWG,1-#8 AWG
CO-62	1-3"	199	M,N	3-#4 AWG,1-#8 AWG
CO-63	1-3"	6	M,N	3-#4 AWG,1-#8 AWG
** CO-64	EXISTING	EXISTING	M,N	EXISTING
CO-65	1-3"	204	M,N	3-#6 AWG,1-#8 AWG
CO-66	1-3"	211	M	2-#6 AWG,1-#8 AWG
* CO-67	EXISTING	EXISTING	M,N	EXISTING
* CO-68	EXISTING	EXISTING	M,N	EXISTING
* CO-69	EXISTING	EXISTING	M,N	EXISTING
CO-70	1-3"	200	T	2-#6 AWG,1-#8 AWG
CO-71	1-3"	185	S,T	3-#6 AWG,1-#8 AWG
CO-72	1-3"	175	S,T	3-#6 AWG,1-#8 AWG
CO-73	1-3"	188	S,T	3-#6 AWG,1-#8 AWG
CO-74	1-3"	205	S	2-#6 AWG,1-#8 AWG

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (2 OF 2)

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
CO-75	1-3"	209	S,T	3-#6 AWG,1-#8 AWG
CO-76	1-3"	186	S,T	3-#6 AWG,1-#8 AWG
CO-77	1-3"	209	S	2-#6 AWG,1-#8 AWG
CO-78	1-3"	168	S	2-#10 AWG,1-#8 AWG
CO-79	1-3"	12	S,T	3-#4 AWG,1-#8 AWG
CO-80	1-3"	168	S,T	3-#4 AWG,1-#8 AWG
CO-81	1-3"	93	S,T	3-#4 AWG,1-#8 AWG
CO-82	1-3"	17	S,T	3-#4 AWG,1-#8 AWG
CO-83	1-3"	222	S,T	3-#4 AWG,1-#8 AWG
CO-84	1-3"	170	S,T	3-#4 AWG,1-#8 AWG
CO-85	1-3"	28	T	2-#6 AWG,1-#8 AWG
CO-86	1-3"	38	S,T	3-#4 AWG,1-#8 AWG
CO-87	1-3"	85	S,T	3-#4 AWG,1-#8 AWG
CO-88	1-3"	207	S,T	3-#4 AWG,1-#8 AWG
CO-89	1-3"	201	S,T	3-#4 AWG,1-#8 AWG
CO-90	1-3"	227	P	2-#6 AWG,1-#8 AWG

* EXISTING CONDUIT
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF LIGHT STANDARD (3 OF 3)

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-62	S-4	13+67.96	14.98'	PERP.TO ROAD	40'	12'
LST-63	T-4	11+60.64	15.00'	PERP.TO ROAD	40'	8'
LST-64	T-3	294+48.21	-40.99'	PERP.TO ROAD	40'	12'
LST-65	S-3	296+43.00	-44.00'	PERP.TO ROAD	40'	12'
LST-66	P-12	49+14.56	22.00'	PERP.TO ROAD	40'	8'

SCHEDULE OF CONDUIT JUNCTION WELL (1 OF 2)

STATION	OFFSET	TYPE	DIMENSION
181+77.14	9.13'	I	20" x 20" PRECAST CONCRETE
1010+26.00	-47.07'	I	20" x 20" PRECAST CONCRETE

SCHEDULE OF CONDUIT JUNCTION WELL (2 OF 2)

STATION	OFFSET	TYPE	DIMENSION
1011+67.52	42.87'	I	20" x 20" PRECAST CONCRETE
1014+59.18	43.60'	I	20" x 20" PRECAST CONCRETE
11+90.75	-23.00'	I	20" x 20" PRECAST CONCRETE
11+90.75	15.00'	I	20" x 20" PRECAST CONCRETE
16+06.68	15.00'	I	20" x 20" PRECAST CONCRETE
542+71.34	53.39'	I	20" x 20" PRECAST CONCRETE
544+97.86	49.46'	I	20" x 20" PRECAST CONCRETE

$FILE$

11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	MT
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

LIGHTING PLAN LP 4 OF 11

SHEET NO.
429
TOTAL SHTS.
482

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (1 OF 2)

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-64				
** CO-69				
** CO-89				
* CO-91	EXISTING	EXISTING	M,N	EXISTING
* CO-92	EXISTING	EXISTING	M,N	EXISTING
* CO-93	EXISTING	EXISTING	M,N	EXISTING
* CO-94	EXISTING	EXISTING	M,N	EXISTING
* CO-95	EXISTING	EXISTING	M,N	EXISTING
* CO-96	EXISTING	EXISTING	M,N	EXISTING
* CO-97	EXISTING	EXISTING	M,N	EXISTING
* CO-98	EXISTING	EXISTING	M,N	EXISTING
* CO-99	EXISTING	EXISTING	M,N	EXISTING
* CO-100	EXISTING	EXISTING	M,N	EXISTING
* CO-101	EXISTING	EXISTING	M,N	EXISTING
CO-102	1-3"	202	S,T	3-#4 AWG,1-#8 AWG
CO-103	1-3"	195	S,T	3-#4 AWG,1-#8 AWG

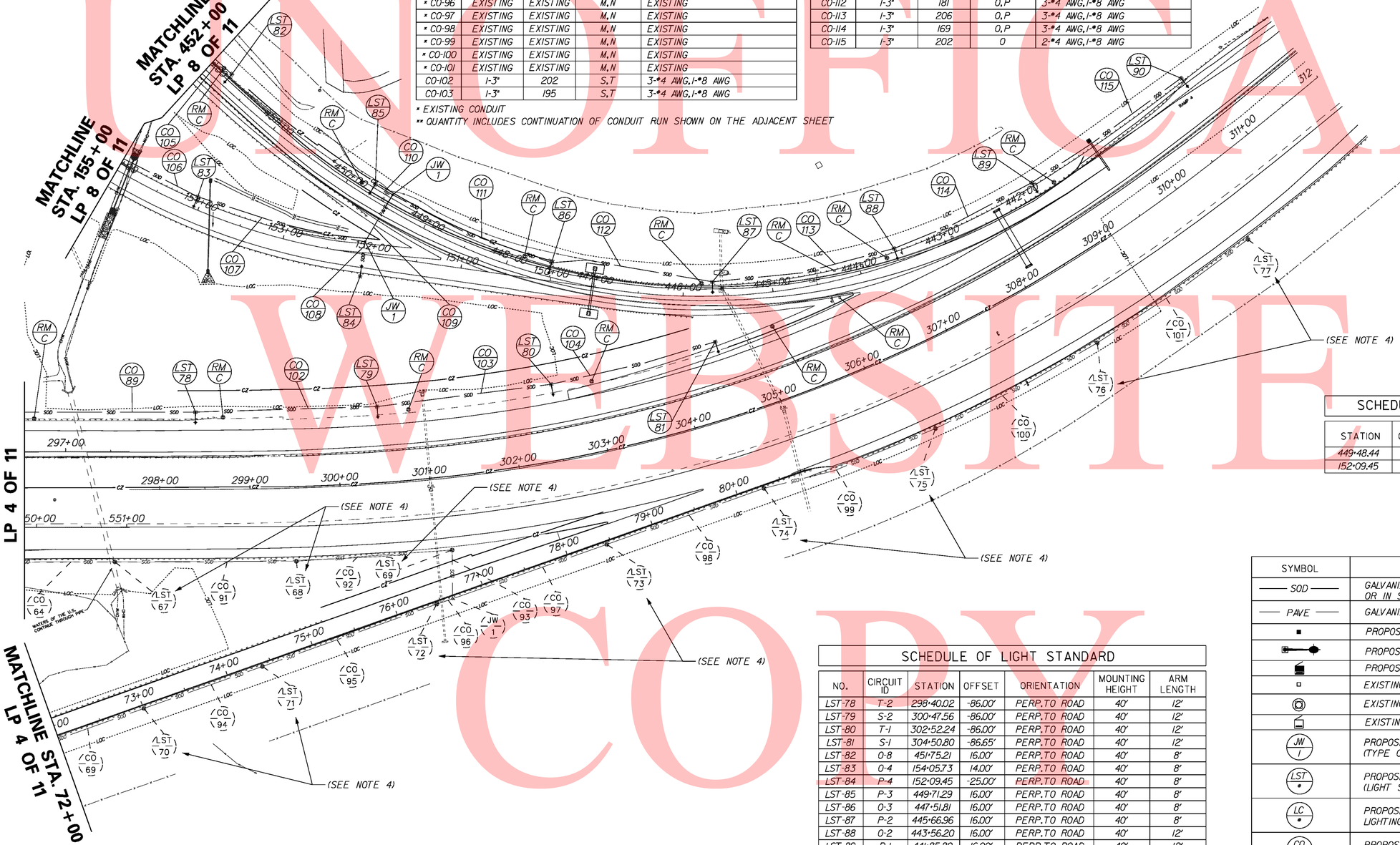
* EXISTING CONDUIT
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF CONDUIT AND CONDUCTOR RUN (2 OF 2)

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
CO-104	1-3"	188	S	2-#4 AWG,1-#8 AWG
CO-105	1-3"	183	0	2-#6 AWG,1-#8 AWG
CO-106	1-3"	101	0,P	3-#4 AWG,1-#8 AWG
CO-107	1-3"	192	0,P	3-#4 AWG,1-#8 AWG
CO-108	1-3"	39	P	2-#6 AWG,1-#8 AWG
CO-109	1-3"	60	0,P	3-#4 AWG,1-#8 AWG
CO-110	1-3"	22	P	2-#6 AWG,1-#8 AWG
CO-111	1-3"	192	0,P	3-#4 AWG,1-#8 AWG
CO-112	1-3"	181	0,P	3-#4 AWG,1-#8 AWG
CO-113	1-3"	206	0,P	3-#4 AWG,1-#8 AWG
CO-114	1-3"	169	0,P	3-#4 AWG,1-#8 AWG
CO-115	1-3"	202	0	2-#4 AWG,1-#8 AWG

NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. EXISTING LIGHTING STANDARDS SHALL BE REPLACED WITH 40 FOOT MOUNTING HEIGHT LIGHTING STANDARD WITH 8 FOOT ARM. THE EXISTING LUMINAIRES SHALL BE REPLACED WITH FULL CUT-OFF TYPE.



SCHEDULE OF CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
449+48.44	16.00'	I	20" x 20" PRECAST CONCRETE
152+09.45	14.00'	I	20" x 20" PRECAST CONCRETE

SCHEDULE OF LIGHT STANDARD

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-78	T-2	298+40.02	-86.00'	PERP.TO ROAD	40'	12'
LST-79	S-2	300+47.56	-86.00'	PERP.TO ROAD	40'	12'
LST-80	T-1	302+52.24	-86.00'	PERP.TO ROAD	40'	12'
LST-81	S-1	304+50.80	-86.65'	PERP.TO ROAD	40'	12'
LST-82	O-8	451+75.21	16.00'	PERP.TO ROAD	40'	8'
LST-83	O-4	154+05.73	14.00'	PERP.TO ROAD	40'	8'
LST-84	P-4	152+09.45	-25.00'	PERP.TO ROAD	40'	8'
LST-85	P-3	449+71.29	16.00'	PERP.TO ROAD	40'	8'
LST-86	O-3	447+51.81	16.00'	PERP.TO ROAD	40'	8'
LST-87	P-2	445+66.96	16.00'	PERP.TO ROAD	40'	8'
LST-88	O-2	443+56.20	16.00'	PERP.TO ROAD	40'	12'
LST-89	P-1	441+85.80	16.00'	PERP.TO ROAD	40'	12'
LST-90	O-1	310+91.31	-99.00'	PERP.TO ROAD	40'	12'

LEGEND

SYMBOL	ITEM
—— SOD ——	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH,3"
—— PAVE ——	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT,3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
▫	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

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11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	MT
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

LIGHTING PLAN
LP 5 OF 11

SHEET NO.
430
TOTAL SHTS.
482

LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH, 3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT, 3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
□	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / #	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

SCHEDULE OF LIGHT STANDARD

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-97	J-1	32+98.09	28.00'	PERP.TO ROAD	40'	8'
LST-98	I-2	35+09.68	28.00'	PERP.TO ROAD	40'	8'
LST-99	J-2	36+97.26	28.00'	PERP.TO ROAD	40'	8'
LST-100	I-3	38+90.64	22.28'	PERP.TO ROAD	40'	8'
LST-101	J-5	186+11.48	10.00'	PERP.TO ROAD	40'	8'
LST-102	I-7	183+98.86	10.00'	PERP.TO ROAD	40'	8'
LST-103	J-8	1006+96.95	-42.94'	PERP.TO ROAD	40'	8'
LST-104	I-9	1008+76.06	-42.00'	PERP.TO ROAD	40'	8'
LST-106	M-14	63+28.63	11.00'	PERP.TO ROAD	40'	8'
LST-108	M-10	1007+41.13	43.90'	PERP.TO ROAD	40'	8'
LST-109	N-9	1009+47.91	43.33'	PERP.TO ROAD	40'	8'
LST-110	N-11	40+71.43	22.00'	PERP.TO ROAD	40'	8'
LST-111	M-12	42+85.85	22.00'	PERP.TO ROAD	40'	8'

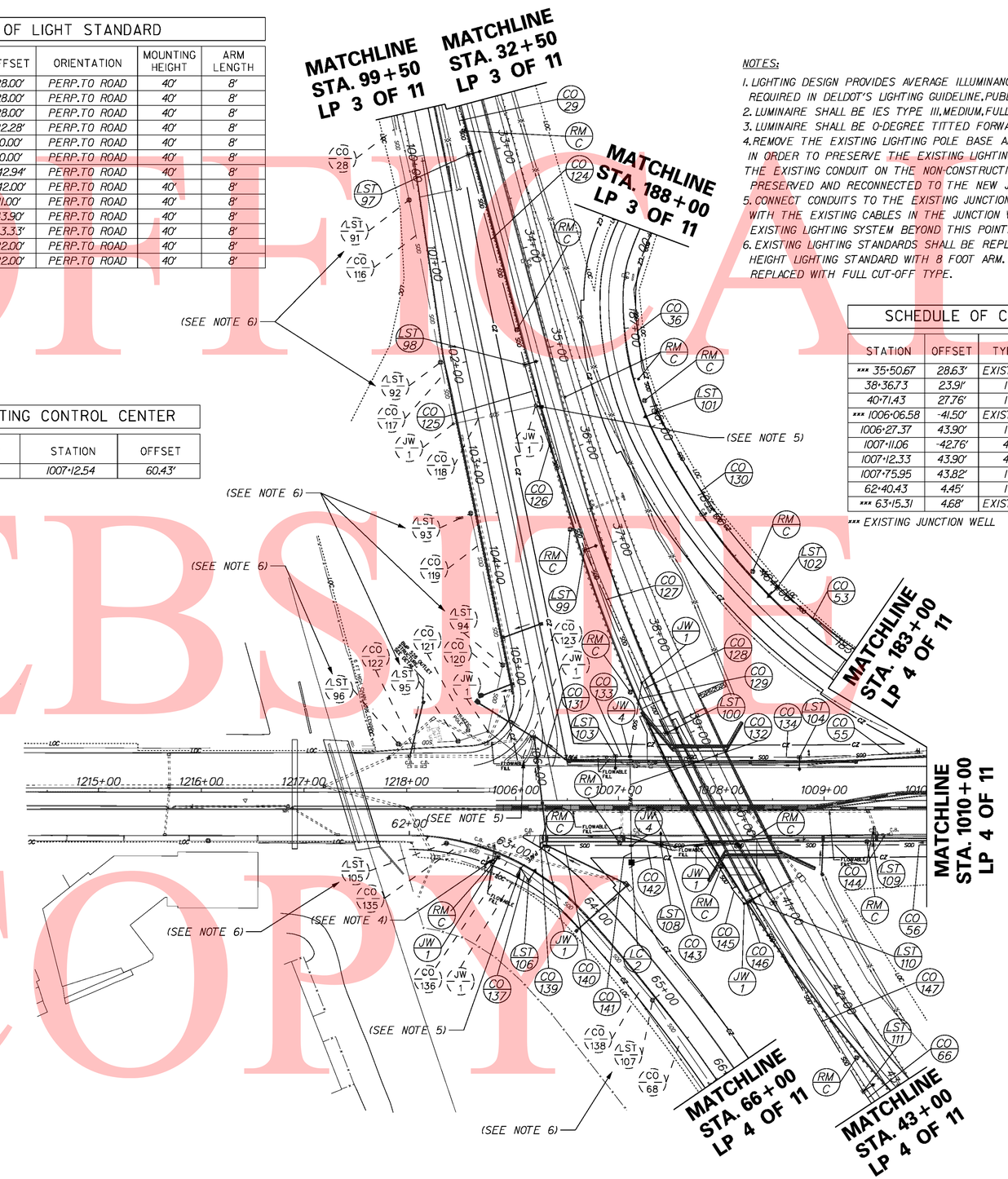
SCHEDULE OF LIGHTING CONTROL CENTER

LIGHTING CONTROL CENTER	STATION	OFFSET
LC-2	1007+12.54	60.43'

SCHEDULE OF CONDUIT AND CONDUCTOR RUN

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-28				
** CO-29				
** CO-36				
** CO-53				
** CO-55				
** CO-56				
** CO-66				
** CO-68				
* CO-116	EXISTING	EXISTING	I,J	EXISTING
* CO-117	EXISTING	EXISTING	I,J	EXISTING
* CO-118	EXISTING	EXISTING	I,J	EXISTING
* CO-119	EXISTING	EXISTING	I,J	EXISTING
* CO-120	EXISTING	EXISTING	I,J	EXISTING
* CO-121	EXISTING	EXISTING	I,J	EXISTING
* CO-122	EXISTING	EXISTING	I,J	EXISTING
* CO-123	EXISTING	EXISTING	I,J	EXISTING
CO-124	I-3"	212	I,J	3-#6 AWG,I-#8 AWG
CO-125	I-3"	40	I,J	3-#6 AWG,I-#8 AWG
CO-126	I-3"	147	I,J	3-#6 AWG,I-#8 AWG
CO-127	I-3"	141	I,J	3-#6 AWG,I-#8 AWG
CO-128	I-3"	54	I	2-#6 AWG,I-#8 AWG
CO-129	I-3"	73	I,J	3-#6 AWG,I-#8 AWG
CO-130	I-3"	208	I,J	3-#6 AWG,I-#8 AWG
CO-131	I-3"	90	I,J	3-#6 AWG,I-#8 AWG
CO-132	I-3"	87	I,J	3-#6 AWG,I-#8 AWG
CO-133	I-3"	14	I,J	3-#6 AWG,I-#8 AWG
CO-134	I-3"	165	I,J	3-#6 AWG,I-#8 AWG
* CO-135	EXISTING	EXISTING	M,N	EXISTING
* CO-136	EXISTING	EXISTING	M,N	EXISTING
CO-137	I-3"	14	M	2-#6 AWG,I-#8 AWG
* CO-138	EXISTING	EXISTING	M,N	EXISTING
CO-139	I-3"	31	M,N	3-#4 AWG,I-#8 AWG
CO-140	I-3"	85	M,N	3-#4 AWG,I-#8 AWG
CO-141	3-3"	14	I,J,M,N	3-#4 AWG,3-#6 AWG,2-#8 AWG
CO-142	I-3"	29	M,N	3-#4 AWG,I-#8 AWG
CO-143	I-3"	35	M,N	3-#4 AWG,I-#8 AWG
CO-144	I-3"	172	M,N	3-#6 AWG,I-#8 AWG
CO-145	I-3"	73	M,N	3-#6 AWG,I-#8 AWG
CO-146	I-3"	6	M,N	3-#6 AWG,I-#8 AWG
CO-147	I-3"	216	M,N	3-#6 AWG,I-#8 AWG

* EXISTING CONDUIT
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET



NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. REMOVE THE EXISTING LIGHTING POLE BASE AND INSTALL THE JUNCTION WELL IN ORDER TO PRESERVE THE EXISTING LIGHTING SYSTEM BEYOND THIS POINT. THE EXISTING CONDUIT ON THE NON-CONSTRUCTION SIDE SHALL BE PRESERVED AND RECONNECTED TO THE NEW JUNCTION WELL.
5. CONNECT CONDUITS TO THE EXISTING JUNCTION WELL AND SPLICE THE NEW CABLES WITH THE EXISTING CABLES IN THE JUNCTION WELL IN ORDER TO PRESERVE THE EXISTING LIGHTING SYSTEM BEYOND THIS POINT.
6. EXISTING LIGHTING STANDARDS SHALL BE REPLACED WITH 40 FOOT MOUNTING HEIGHT LIGHTING STANDARD WITH 8 FOOT ARM. THE EXISTING LUMINAIRES SHALL BE REPLACED WITH FULL CUT-OFF TYPE.

SCHEDULE OF CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
*** 35+50.67	28.63'	EXISTING	EXISTING
38+36.73	23.91'	I	20" x 20" PRECAST CONCRETE
40+71.43	27.76'	I	20" x 20" PRECAST CONCRETE
*** 1006+06.58	-41.50'	EXISTING	EXISTING
1006+27.37	43.90'	I	20" x 20" PRECAST CONCRETE
1007+11.06	-42.76'	4	20" x 42 1/2" PRECAST CONCRETE
1007+12.33	43.90'	4	20" x 42 1/2" PRECAST CONCRETE
1007+75.95	43.82'	I	20" x 20" PRECAST CONCRETE
62+40.43	4.45'	I	20" x 20" PRECAST CONCRETE
*** 63+15.31	4.68'	EXISTING	EXISTING

*** EXISTING JUNCTION WELL

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11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LIGHTING PLAN LP 6 OF 11
				COUNTY NEW CASTLE	DESIGNED BY: MT	SHEET NO. 431
					CHECKED BY: DRK	TOTAL SHTS. 482

SCHEDULE OF CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
2+49.44	8.00'	4	20" x 42 1/2" PRECAST CONCRETE
1016+95.33	52.87'	4	20" x 42 1/2" PRECAST CONCRETE
1016+95.33	-65.34'	4	20" x 42 1/2" PRECAST CONCRETE
1018+00.79	54.06'	4	20" x 42 1/2" PRECAST CONCRETE
1019+31.48	55.17'	1	20" x 20" PRECAST CONCRETE
1019+83.27	56.59'	1	20" x 20" PRECAST CONCRETE
227+49.99	-27.00'	1	20" x 20" PRECAST CONCRETE

SCHEDULE OF CONDUIT AND CONDUCTOR RUN

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-73				
** CO-77				
** CO-80				
CO-148	1-3"	92	S,T	3-#6 AWG,1-#8 AWG
CO-149	1-3"	48	S,T	3-#6 AWG,1-#8 AWG
CO-150	1-3"	66	S,T	3-#6 AWG,1-#8 AWG
CO-151	1-3"	127	S,T	3-#6 AWG,1-#8 AWG
CO-152	1-3"	178	S,T	3-#6 AWG,1-#8 AWG
CO-153	1-3"	186	S	2-#6 AWG,1-#8 AWG
CO-154	1-3"	118	S,T	3-#6 AWG,1-#8 AWG
CO-155	1-3"	47	S,T	3-#4 AWG,1-#8 AWG
CO-156	1-3"	101	S,T	3-#6 AWG,1-#8 AWG
CO-157	1-3"	197	S,T	3-#6 AWG,1-#8 AWG
CO-158	1-3"	33	S,T	3-#4 AWG,1-#8 AWG
CO-159	1-3"	105	S,T	3-#4 AWG,1-#8 AWG
CO-160	1-3"	5	0	2-#6 AWG,1-#8 AWG
CO-161	3-3"	7	0,P,S,T	6-#4 AWG,1-#8 AWG
CO-162	1-3"	131	0,P	3-#4 AWG,1-#8 AWG
CO-163	1-3"	52	0	2-#6 AWG,1-#8 AWG
CO-164	1-3"	4	0	2-#6 AWG,1-#8 AWG
CO-165	1-3"	19	0,P	3-#4 AWG,1-#8 AWG
CO-166	1-3"	183	0,P	3-#4 AWG,1-#8 AWG

* EXISTING CONDUIT
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF LIGHT STANDARD

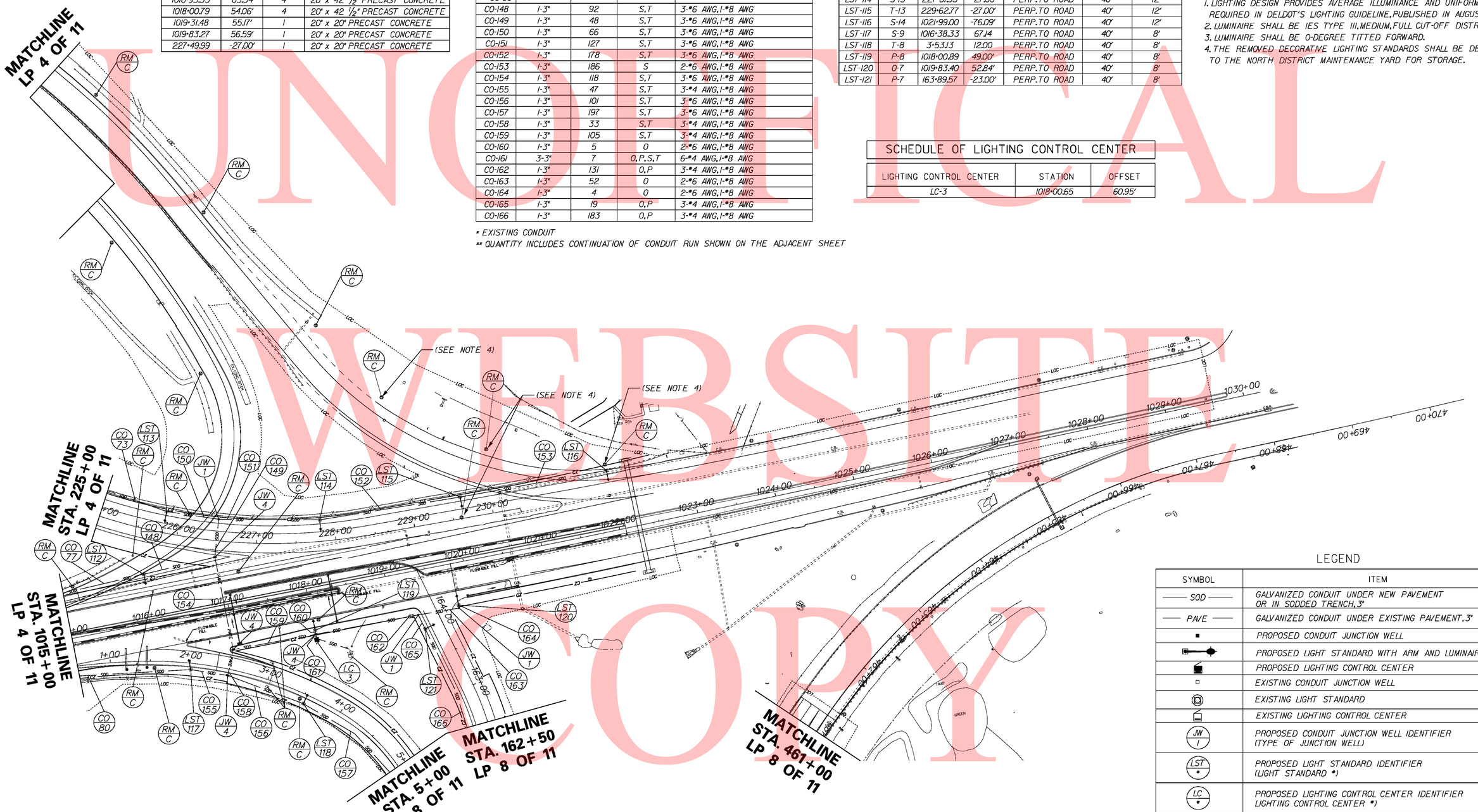
NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-112	T-14	1016+03.86	-61.67'	PERP.TO ROAD	40'	15'
LST-113	T-12	226+18.45	-27.00	PERP.TO ROAD	40'	8'
LST-114	S-13	227+81.93	-27.00	PERP.TO ROAD	40'	12'
LST-115	T-13	229+62.77	-27.00'	PERP.TO ROAD	40'	12'
LST-116	S-14	1021+99.00	-76.09'	PERP.TO ROAD	40'	12'
LST-117	S-9	1016+38.33	67.14	PERP.TO ROAD	40'	8'
LST-118	T-8	3+53.13	12.00	PERP.TO ROAD	40'	8'
LST-119	P-8	1018+00.89	49.00'	PERP.TO ROAD	40'	8'
LST-120	0-7	1019+83.40	52.84'	PERP.TO ROAD	40'	8'
LST-121	P-7	163+89.57	-23.00'	PERP.TO ROAD	40'	8'

SCHEDULE OF LIGHTING CONTROL CENTER

LIGHTING CONTROL CENTER	STATION	OFFSET
LC-3	1018+00.65	60.95'

NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.
4. THE REMOVED DECORATIVE LIGHTING STANDARDS SHALL BE DELIVERED TO THE NORTH DISTRICT MAINTENANCE YARD FOR STORAGE.



LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH,3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT,3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
□	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

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11/5/200

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE

BRIDGE NO. NA
DESIGNED BY: MT
CHECKED BY: DRK

LIGHTING PLAN
LP 7 OF 11

SHEET NO. 432
TOTAL SHTS. 482

NOTES:

1. LIGHTING DESIGN PROVIDES AVERAGE ILLUMINANCE AND UNIFORMITY RATIO REQUIRED IN DELDOT'S LIGHTING GUIDELINE, PUBLISHED IN AUGUST 2009.
2. LUMINAIRE SHALL BE IES TYPE III, MEDIUM, FULL CUT-OFF DISTRIBUTION.
3. LUMINAIRE SHALL BE 0-DEGREE TITTED FORWARD.

SCHEDULE OF LIGHT STANDARD

NO.	CIRCUIT ID	STATION	OFFSET	ORIENTATION	MOUNTING HEIGHT	ARM LENGTH
LST-122	P-10	457+94.51	16.00'	PERP. TO ROAD	40'	8'
LST-123	O-9	455+38.96	16.00'	PERP. TO ROAD	40'	8'
LST-124	P-9	453+58.29	16.00'	PERP. TO ROAD	40'	8'
LST-125	O-10	55+47.88	22.00'	PERP. TO ROAD	40'	8'
LST-126	P-11	53+57.65	22.00'	PERP. TO ROAD	40'	8'
LST-127	O-6	161+99.66	-23.00'	PERP. TO ROAD	40'	8'
LST-128	P-6	159+98.45	-23.00'	PERP. TO ROAD	40'	8'
LST-129	O-5	158+01.59	-23.00'	PERP. TO ROAD	40'	8'
LST-130	P-5	156+02.83	21.40'	PERP. TO ROAD	40'	8'
LST-131	O-11	51+34.46	22.00'	PERP. TO ROAD	40'	8'
LST-132	S-8	5+60.74	12.00'	PERP. TO ROAD	40'	8'
LST-133	T-7	7+66.31	12.00'	PERP. TO ROAD	40'	8'
LST-134	S-7	9+63.72	12.00'	PERP. TO ROAD	40'	8'

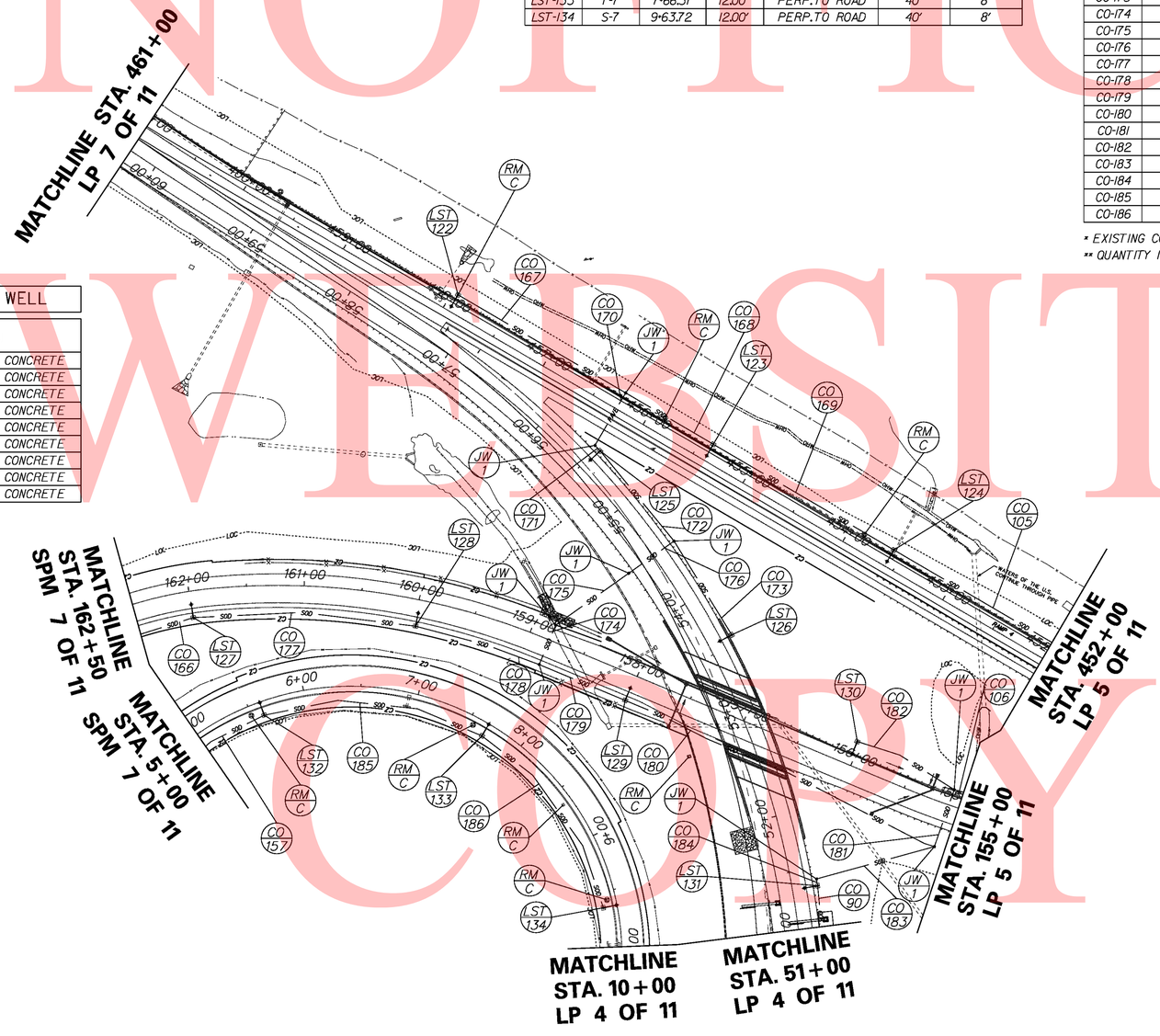
SCHEDULE OF CONDUIT AND CONDUCTOR RUN

CONDUIT RUN #	# AND SIZE OF CONDUIT	LENGTH	CIRCUITS CONTAINED	DESCRIPTION
** CO-90				
** CO-105				
** CO-106				
** CO-157				
** CO-166				
CO-167	1-3"	168	P	2-#6 AWG, 1-#8 AWG
CO-168	1-3"	88	O, P	3-#6 AWG, 1-#8 AWG
CO-169	1-3"	181	O, P	3-#6 AWG, 1-#8 AWG
CO-170	1-3"	53	O, P	3-#6 AWG, 1-#8 AWG
CO-171	1-3"	6	O, P	3-#6 AWG, 1-#8 AWG
CO-172	1-3"	101	O, P	3-#6 AWG, 1-#8 AWG
CO-173	1-3"	95	P	2-#6 AWG, 1-#8 AWG
CO-174	1-3"	37	O, P	3-#6 AWG, 1-#8 AWG
CO-175	1-3"	77	O, P	3-#6 AWG, 1-#8 AWG
CO-176	1-3"	48	O, P	3-#6 AWG, 1-#8 AWG
CO-177	1-3"	193	O, P	3-#4 AWG, 1-#8 AWG
CO-178	1-3"	112	O, P	3-#4 AWG, 1-#8 AWG
CO-179	1-3"	80	O, P	3-#4 AWG, 1-#8 AWG
CO-180	1-3"	296	O, P	3-#4 AWG, 1-#8 AWG
CO-181	1-3"	52	O, P	3-#4 AWG, 1-#8 AWG
CO-182	1-3"	94	P	2-#6 AWG, 1-#8 AWG
CO-183	1-3"	106	O, P	3-#6 AWG, 1-#8 AWG
CO-184	1-3"	6	O, P	3-#6 AWG, 1-#8 AWG
CO-185	1-3"	194	S, T	3-#6 AWG, 1-#8 AWG
CO-186	1-3"	187	S	2-#6 AWG, 1-#8 AWG

* EXISTING CONDUIT
** QUANTITY INCLUDES CONTINUATION OF CONDUIT RUN SHOWN ON THE ADJACENT SHEET

SCHEDULE OF CONDUIT JUNCTION WELL

STATION	OFFSET	TYPE	DIMENSION
51+40.28	22.00'	I	20" x 20" PRECAST CONCRETE
54+50.00	-26.00'	I	20" x 20" PRECAST CONCRETE
54+50.00	22.00'	I	20" x 20" PRECAST CONCRETE
55+54.15	22.00'	I	20" x 20" PRECAST CONCRETE
456+26.77	16.00'	I	20" x 20" PRECAST CONCRETE
158+82.02	-23.00'	I	20" x 20" PRECAST CONCRETE
158+82.02	14.00'	I	20" x 20" PRECAST CONCRETE
155+08.69	-38.12'	I	20" x 20" PRECAST CONCRETE
155+08.69	14.00'	I	20" x 20" PRECAST CONCRETE



LEGEND

SYMBOL	ITEM
SOD	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH, 3"
PAVE	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT, 3"
■	PROPOSED CONDUIT JUNCTION WELL
	PROPOSED LIGHT STANDARD WITH ARM AND LUMINAIRES
	PROPOSED LIGHTING CONTROL CENTER
□	EXISTING CONDUIT JUNCTION WELL
	EXISTING LIGHT STANDARD
	EXISTING LIGHTING CONTROL CENTER
JW / 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
LST / *	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD *)
LC / *	PROPOSED LIGHTING CONTROL CENTER IDENTIFIER LIGHTING CONTROL CENTER *)
CO / *	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN *)

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11/5/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

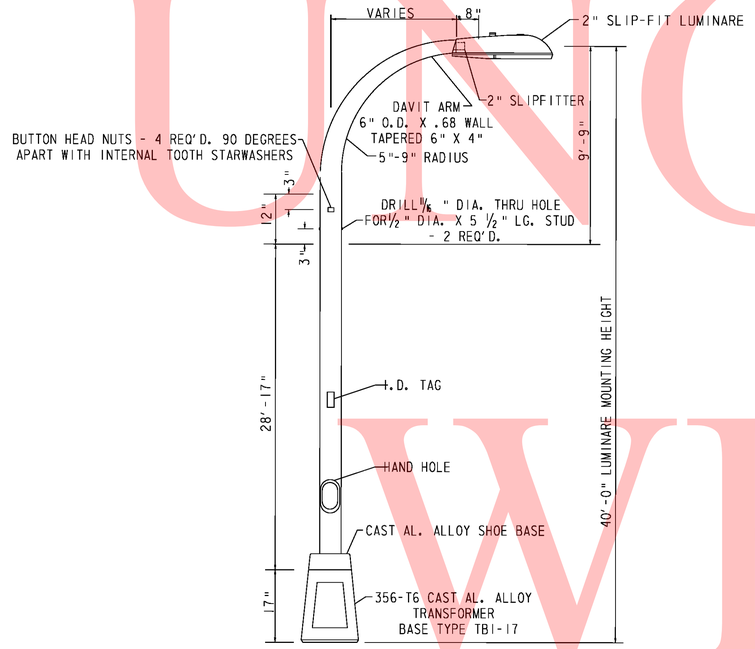
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	MT
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

LIGHTING PLAN
LP 8 OF 11

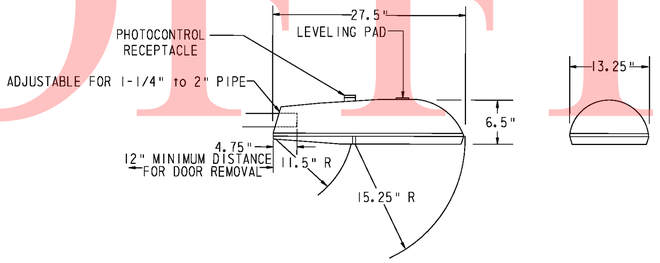
SHEET NO.	
433	
TOTAL SHTS.	
482	

NOTES:

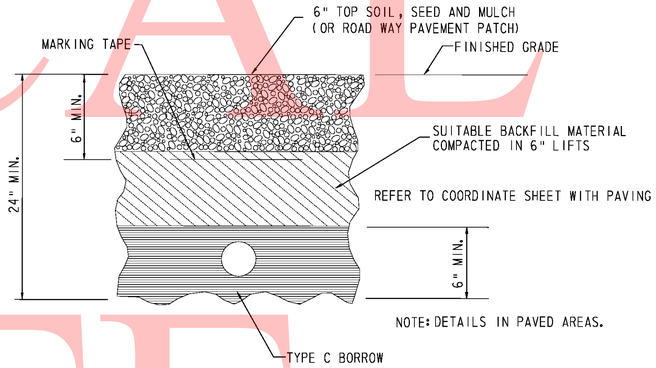
1. ALL POLES TO BE INSTALLED WITH THE ACCESS DOOR FACING 180 DEGREES AWAY FROM TRAFFIC.
2. AFFIX POLE I.D.TAG TO EACH LIGHTING POLE ON THE SAME SIDE AS ACCESS DOOR.
3. LIGHT STANDARD DESIGNED IN ACCORDANCE WITH 2001 AASHTO FOR 100 M.P.H. WIND ZONE.
4. TRANSFORMER BASE MEETS 2001 AASHTO BREAKAWAY REQUIREMENTS.
5. BOND ALL CONDUIT AND LIGHT STANDARDS TO FORM A CONTIUOUSLY BONDED SYSTEM.



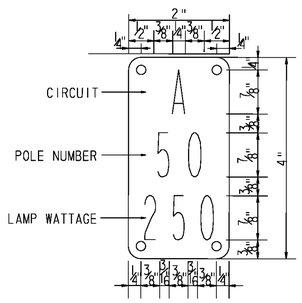
ROADWAY POLE AND LUMINARE DETAIL
NOT TO SCALE



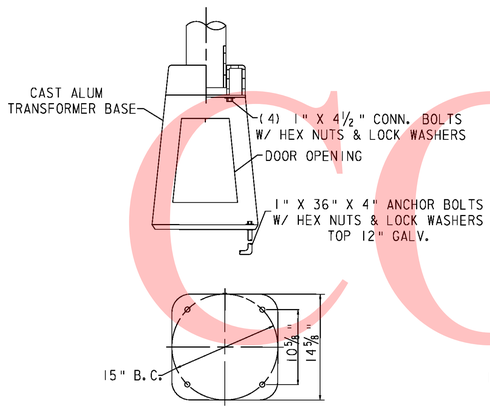
LUMINAIRE DETAIL
NOT TO SCALE



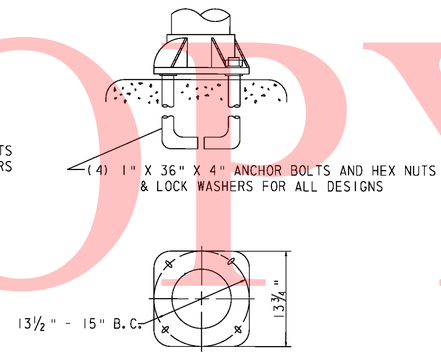
DIRECT BURIED CONDUIT DETAIL
NOT TO SCALE



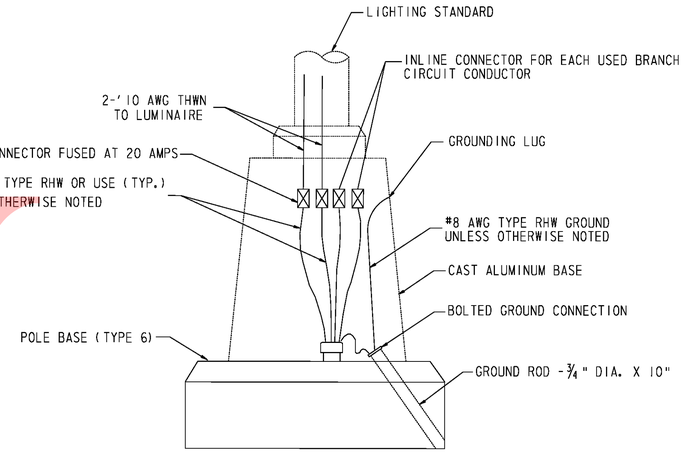
TYPICAL POLE IDENTIFICATION TAG
NOT TO SCALE



TRANSFORMER BASE DETAIL
NOT TO SCALE



BASE DETAIL



TYPICAL LUMINAIRE CONNECTION
NOT TO SCALE

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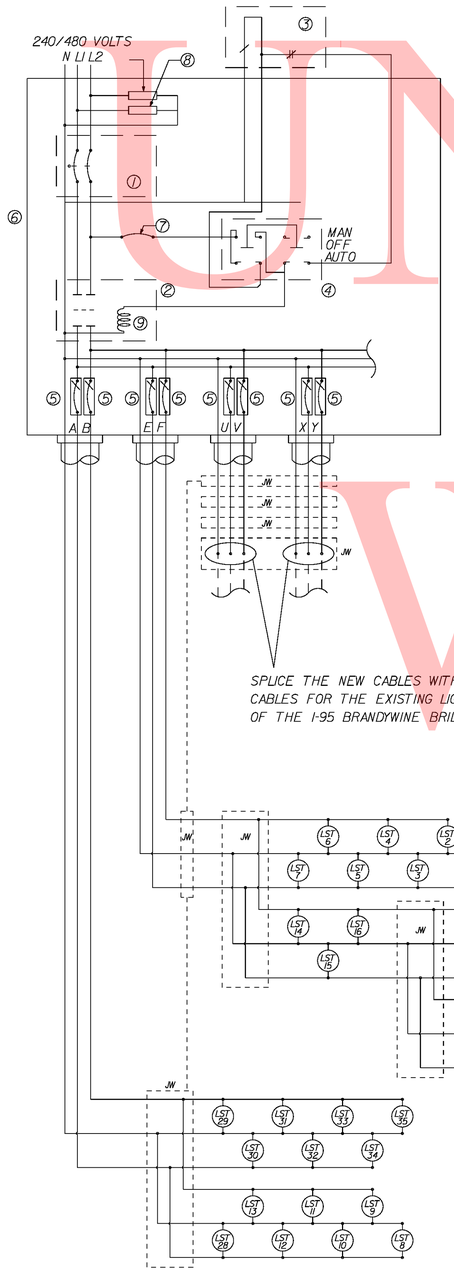
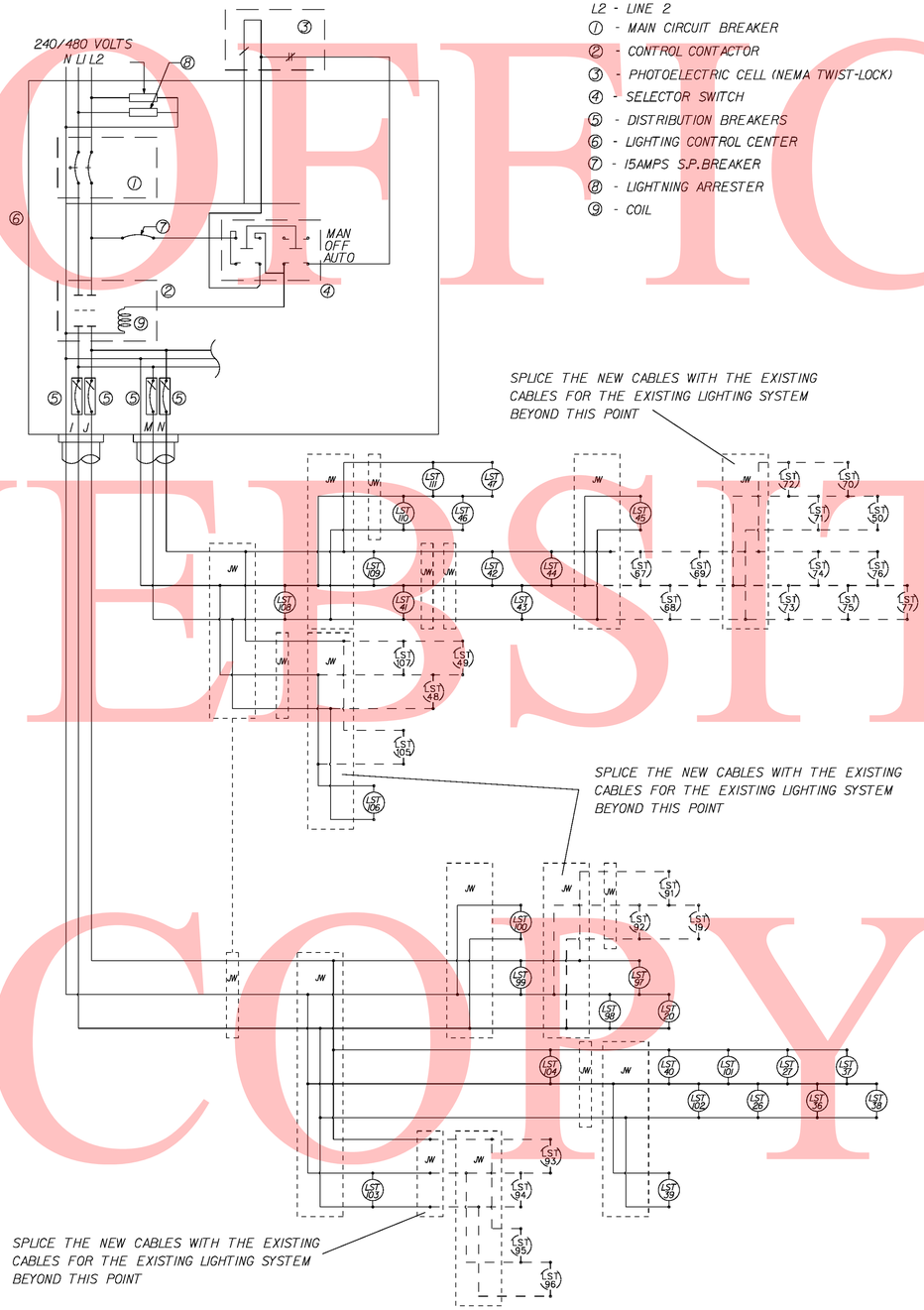
11/5/200

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LIGHTING PLAN LP 9 OF 11	SHEET NO. 434
				COUNTY NEW CASTLE	DESIGNED BY: MT		TOTAL SHTS. 482
					CHECKED BY: DRK		

LIGHTING ELECTRICAL SCHEMATIC
LIGHTING CONTROL CABINET LC-1
(WITH 100 AMP MAIN BREAKER)



LIGHTING ELECTRICAL SCHEMATIC
LIGHTING CONTROL CABINET LC-2
(WITH 100 AMP MAIN BREAKER)



CONTROL CENTER LEGEND

G - GROUND
L1 - LINE 1
L2 - LINE 2
① - MAIN CIRCUIT BREAKER
② - CONTROL CONTACTOR
③ - PHOTOELECTRIC CELL (NEMA TWIST-LOCK)
④ - SELECTOR SWITCH
⑤ - DISTRIBUTION BREAKERS
⑥ - LIGHTING CONTROL CENTER
⑦ - 15AMPS S.P. BREAKER
⑧ - LIGHTNING ARRESTER
⑨ - COIL

NOTES:

1. CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS CONFORM TO THE DELDOT STANDARDS.
2. THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE DELDOT SPECIFICATIONS.
3. PROVIDE ELECTRIC SERVICE IN ACCORDANCE WITH DELMARVA POWER'S REQUIREMENTS.
4. PROVIDE WATERTIGHT, SUBMERSIBLE, PREMOLDED, DISCONNECTIBLE, CONNECTOR KITS FOR ALL SPLICES.
5. PROVIDE INDIVIDUAL FUSING FOR ALL LUMINAIRES.
6. PROVIDE NEMA 3R OR 4X ENCLOSURES.
7. DURING CONSTRUCTION, ALL ELECTRICAL SYSTEMS INCLUDING WIRES AND CONNECTIONS TO BE PROTECTED IN A MANNER THAT ENSURES THE SAFETY OF WORKERS AND THE GENERAL PUBLIC.
8. PRIOR TO CLOSING ANY LANES, THE CONTRACTOR SHALL PERFORM AN INSPECTION OF THE EXISTING LIGHTING SYSTEM WITHIN THE PROJECT LIMITS TO INSURE PROPER FUNCTIONING OF THE SYSTEM.
9. USE 2*6 AWG WIRES FOR ALL CIRCUITS UNLESS INDICATED IN THE PLANS OR BY THE ENGINEER. PROVIDE 1*8 AWG GROUNDING WIRE TO TERMINATE AT EACH LUMINAIRE. THE 2*6 AWG AND 1*8 AWG SHALL BE PERMANENTLY AND CONTINUOUSLY IDENTIFIED AS RED, BLACK OR GREEN. TAPE IS NOT ACCEPTABLE.

LIGHTING PANAL SCHEDULE
PROPOSED CONTROL CENTER LC-1

SERVICE 240/480 VOLT AC, 1 PHASE, 3 WIRE		LUMINAIRE 240 VOLT, 250/150W HPS			BREAKERS 100 AMP MAIN BREAKER	
CIRCUIT	EQUIPMENT SERVED	CONNECTED LOAD KW	CONNECTED LOAD AMPS	PHASE & VOLTS	BRANCH CIRCUIT BREAKERS # OF POLES	BRANCH CIRCUIT BREAKERS TRIP SIZE
A	LST 8, LST 10, LST 12, LST 28 LST 30, LST 32, LST 34	2.35	9.8	1/240	2	30A, 10,000AIC
B	LST 9, LST 11, LST 13, LST 29, LST 31, LST 33, LST 35	2.35	9.8	1/240	2	30A, 10,000AIC
E	LST 1, LST 3, LST 5, LST 7, LST 15, LST 17, LST 21, LST 23, LST 25	3.02	12.6	1/240	2	30A, 10,000AIC
F	LST 2, LST 4, LST 6, LST 14, LST 16, LST 18, LST 22, LST 24	2.69	11.2	1/240	2	30A, 10,000AIC
U	FOR THE EXISTING CIRCUIT FOR I-95 BRANDYWINE BRIDGE	1.22	8.1	1/240	2	15A, 10,000AIC
V	FOR THE EXISTING CIRCUIT FOR I-95 BRANDYWINE BRIDGE	1.22	8.1	1/240	2	15A, 10,000AIC
X	FOR THE EXISTING CIRCUIT FOR I-95 BRANDYWINE BRIDGE	1.22	8.1	1/240	2	15A, 10,000AIC
Y	FOR THE EXISTING CIRCUIT FOR I-95 BRANDYWINE BRIDGE	1.22	8.1	1/240	2	15A, 10,000AIC
TOTAL		15.30	75.8			

LIGHTING PANAL SCHEDULE
PROPOSED CONTROL CENTER LC-2

SERVICE 240/480 VOLT AC, 1 PHASE, 3 WIRE		LUMINAIRE 240 VOLT, 250W HPS			BREAKERS 100 AMP MAIN BREAKER	
CIRCUIT	EQUIPMENT SERVED	CONNECTED LOAD KW	CONNECTED LOAD AMPS	PHASE & VOLTS	BRANCH CIRCUIT BREAKERS # OF POLES	BRANCH CIRCUIT BREAKERS TRIP SIZE
I	LST 19, LST 20, LST 26, LST 36, LST 38, LST 39, LST 92, LST 98, LST 94, LST 96, LST 100, LST 102, LST 103	4.37	18.2	1/240	2	30A, 10,000AIC
J	LST 27, LST 37, LST 40, LST 93, LST 95, LST 91, LST 97, LST 99, LST 101, LST 104	3.36	14.0	1/240	2	30A, 10,000AIC
M	LST 41, LST 43, LST 45, LST 46, LST 48, LST 50, LST 68, LST 71, LST 73, LST 75, LST 77, LST 106, LST 108, LST 110	4.70	19.6	1/240	2	30A, 10,000AIC
N	LST 42, LST 44, LST 47, LST 49, LST 67, LST 69, LST 70, LST 72, LST 74, LST 76, LST 105, LST 107, LST 109, LST 111	4.70	19.6	1/240	2	30A, 10,000AIC
TOTAL		17.14	71.4			

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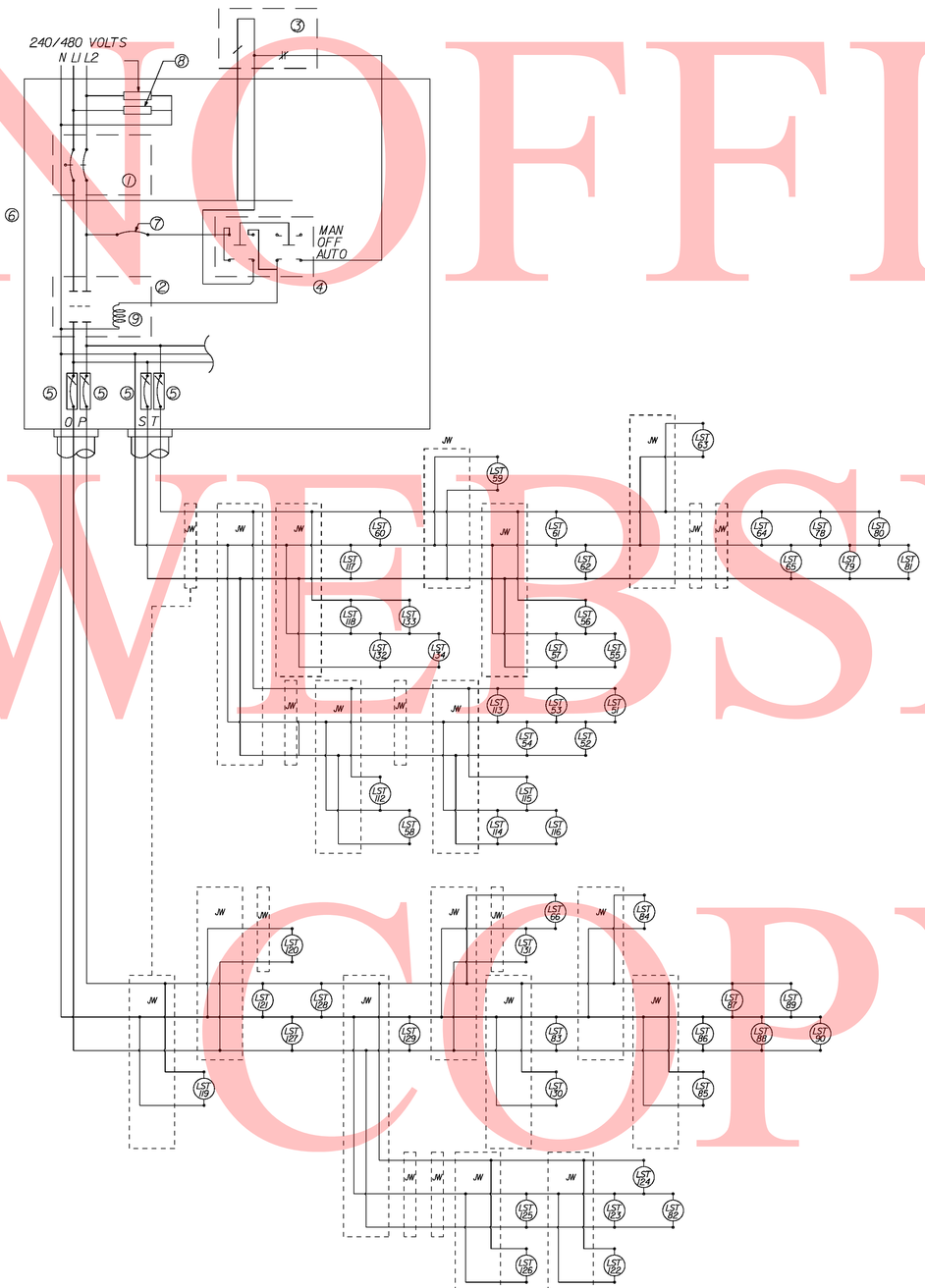
11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LIGHTING PLAN LP 10 OF 11	SHEET NO. 435
				COUNTY NEW CASTLE	DESIGNED BY: MT		TOTAL SHTS. 482
					CHECKED BY: DRK		

LIGHTING ELECTRICAL SCHEMATIC
LIGHTING CONTROL CABINET LC-3
(WITH 100 AMP MAIN BREAKER)

CONTROL CENTER LEGEND

G - GROUND
LI - LINE 1
L2 - LINE 2
① - MAIN CIRCUIT BREAKER
② - CONTROL CONTACTOR
③ - PHOTOELECTRIC CELL (NEMA TWIST-LOCK)
④ - SELECTOR SWITCH
⑤ - DISTRIBUTION BREAKERS
⑥ - LIGHTING CONTROL CENTER
⑦ - 15AMPS S.P.BREAKER
⑧ - LIGHTNING ARRESTER
⑨ - COIL



NOTES:

1. CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS CONFORM TO THE DELDOT STANDARDS.
2. THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE DELDOT SPECIFICATIONS.
3. PROVIDE ELECTRIC SERVICE IN ACCORDANCE WITH DELMARVA POWER'S REQUIREMENTS.
4. PROVIDE WATERTIGHT, SUBMERSIBLE, PREMOLDED, DISCONNECTIBLE, CONNECTOR KITS FOR ALL SPLICES.
5. PROVIDE INDIVIDUAL FUSING FOR ALL LUMINAIRES.
6. PROVIDE NEMA 3R OR 4X ENCLOSURES.
7. DURING CONSTRUCTION, ALL ELECTRICAL SYSTEMS INCLUDING WIRES AND CONNECTIONS TO BE PROTECTED IN A MANNER THAT ENSURES THE SAFETY OF WORKERS AND THE GENERAL PUBLIC.
8. PRIOR TO CLOSING ANY LANES, THE CONTRACTOR SHALL PERFORM AN INSPECTION OF THE EXISTING LIGHTING SYSTEM WITHIN THE PROJECT LIMITS TO INSURE PROPER FUNCTIONING OF THE SYSTEM.
9. USE 2*6 AWG WIRES FOR ALL CIRCUITS UNLESS INDICATED IN THE PLANS OR BY THE ENGINEER. PROVIDE 1*8 AWG GROUNDING WIRE TO TERMINATE AT EACH LUMINAIRE. THE 2*6 AWG AND 1*8 AWG SHALL BE PERMANENTLY AND CONTINUOUSLY IDENTIFIED AS RED, BLACK OR GREEN. TAPE IS NOT ACCEPTABLE.

LIGHTING PANAL SCHEDULE
PROPOSED CONTROL CENTER LC-3

SERVICE 240/480 VOLT AC, 1 PHASE, 3 WIRE		LUMINAIRE 240 VOLT, 250W HPS			BREAKERS 100 AMP MAIN BREAKER	
		CONNECTED LOAD		PHASE & VOLTS	BRANCH CIRCUIT BREAKERS	
CIRCUIT	EQUIPMENT SERVED	KW	AMPS		# OF POLES	TRIP SIZE
0	LST82, LST83, LST86, LST88, LST90, LST120, LST123, LST125, LST127, LST129, LST131	3.70	15.4	1/240	2	30A, 10,000AIC
P	LST66, LST84, LST85, LST87, LST89, LST119, LST121, LST122, LST124, LST126, LST128, LST130	4.03	16.8	1/240	2	30A, 10,000AIC
S	LST52, LST54, LST55, LST57, LST58, LST59, LST62, LST65, LST79, LST81, LST114, LST116, LST117, LST132, LST134	5.04	21.0	1/240	2	30A, 10,000AIC
T	LST51, LST53, LST56, LST60, LST61, LST63, LST64, LST78, LST80, LST112, LST113, LST115, LST118, LST133	4.70	19.6	1/240	2	30A, 10,000AIC
TOTAL		17.47	72.8			

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11/5/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	LIGHTING PLAN LP 11 OF 11
				COUNTY NEW CASTLE	DESIGNED BY: MT	SHEET NO. 436
					CHECKED BY: DRK	TOTAL SHTS. 482

INDEX OF SHEETS

SHEET INDEX – SHEET 1

GENERAL NOTES – SHEET 2

PLAN SHEETS – SHEETS 3–12A

MAJOR GUIDE SIGNS DETAIL SHEETS – SHEETS 13–16

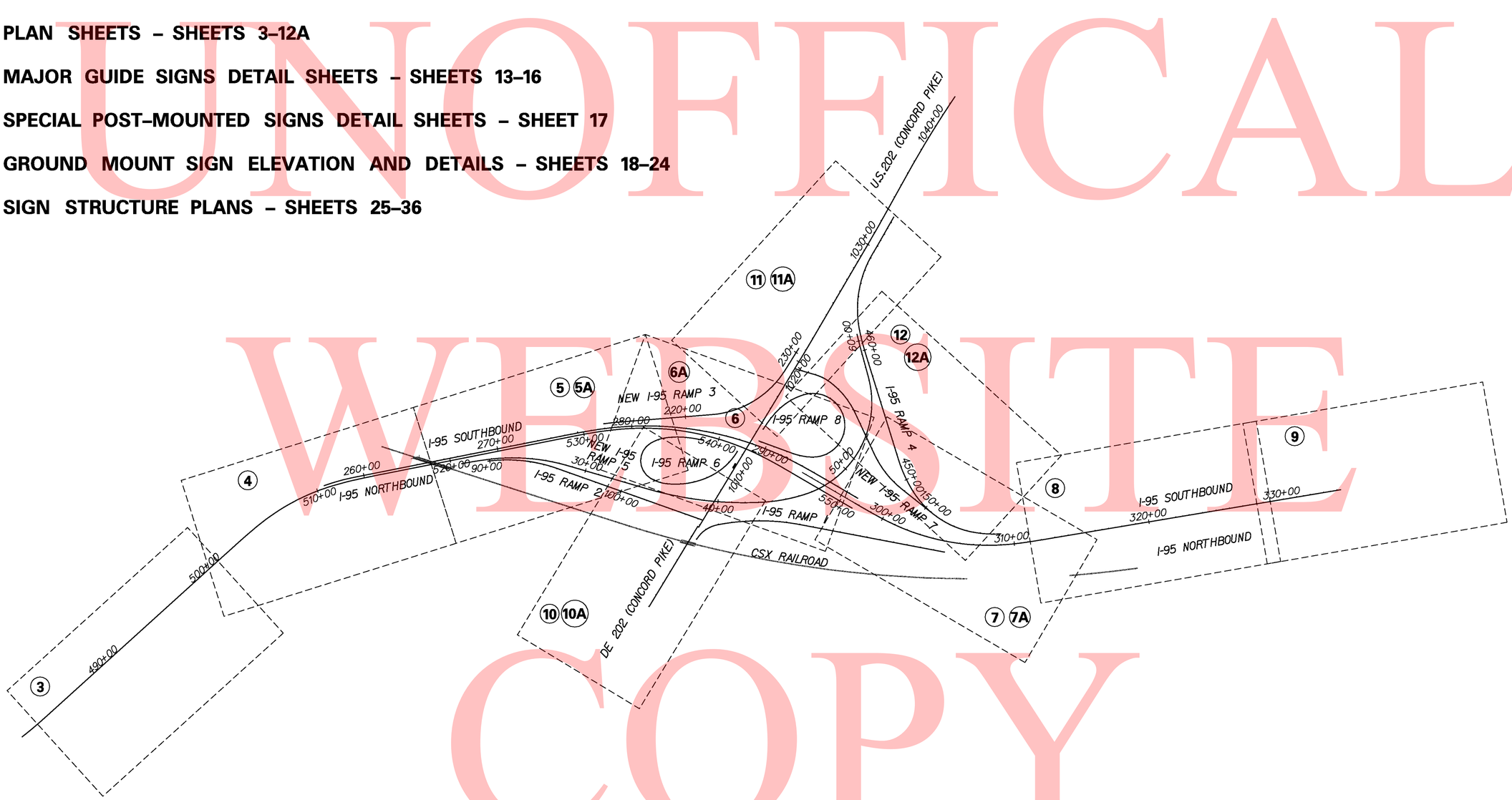
SPECIAL POST-MOUNTED SIGNS DETAIL SHEETS – SHEET 17

GROUND MOUNT SIGN ELEVATION AND DETAILS – SHEETS 18–24

SIGN STRUCTURE PLANS – SHEETS 25–36

LEGEND

Ⓧ SIGNING, STRIPING AND CONDUIT PLAN SHEET NO.



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 200 400 600 800	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 1 OF 36	SHEET NO. 437
				COUNTY NEW CASTLE	DESIGNED BY: KOC		TOTAL SHTS. 482
					CHECKED BY: MDL / KMC		

GENERAL SIGNING, STRIPING & CONDUIT NOTES:

1. THE CONTRACTOR SHALL INSTALL AND REMOVE ALL REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN CONTRACT LIMITS AS SHOWN. DELDOT SHALL FABRICATE AND SUPPLY THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO CONTRACTOR FOR INSTALLAION. FOR COORDINATION AND PICK UP OF SIGNS AND POSTS, THE CONTRACTOR SHALL CONTACT DELDOT'S SIGN SHOP AT (302) 760-2581. ALLOW FOUR (4) WEEKS FOR DELIVERY. ALL SIGNING MATERIALS REMOVED FROM THIS PROJECT SHALL BE RETURNED TO DELDOT'S SIGN SHOP.

2. CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED OVERHEAD AND CANTILEVER STRUCTURES, FOUNDATIONS, AND SIGNS (SEE SIGN STRUCTURE DETAIL SHEETS). CONTRACTOR SHALL FURNISH AND INSTALL ALL PROPOSED GROUND-MOUNTED I-BEAM SIGN SUPPORTS, FOUNDATIONS, AND SIGNS (SEE GROUND-MOUNT SIGN DETAIL SHEETS).

3. EXISTING OVERHEAD, CANTILEVER, AND BRIDGE-MOUNTED SIGNS AND STRUCTURES SHALL BE REMOVED BY THE CONTRACTOR WITHIN CONTRACT LIMITS AS NOTED. REMOVAL OF OVERHEAD AND CANTILEVER SIGN STRUCTURES SHALL BE PAID FOR UNDER ITEM 211509 - REMOVAL OF SIGN STRUCTURES. REMOVAL OF BRIDGE-MOUNTED SIGN SUPPORTS SHALL BE PAID FOR UNDER ITEM 749540 - REMOVAL OF OVERHEAD I-BEAM. REMOVAL OF EXISTING SIGN PANELS ON OVERHEAD, CANTILEVER AND BRIDGE-MOUNTED SIGNS AND SIGN STRUCTURES SHALL BE PAID FOR UNDER ITEM 749510 - INSTALLATION OR REMOVAL OF SIGN ON/OVER HIGHWAY STRUCTURE.

4. EXISTING GROUND-MOUNTED SIGNS AND POSTS SHALL BE REMOVED BY THE CONTRACTOR WITHIN THE CONTRACT LIMITS AS NOTED. REMOVAL OF GROUND-MOUNTED I-BEAMS SHALL BE PAID FOR UNDER ITEM 749504 - INSTALLATION OR REMOVAL OF BREAKAWAY I-BEAM POSTS. REMOVAL OF EXISTING SIGN PANELS ON GROUND-MOUNTED I-BEAMS SHALL BE PAID FOR UNDER ITEM 749511 - INSTALLATION OR REMOVAL OF SIGN ON ROADSIDE I-BEAM STRUCTURE.

5. REMOVE EXISTING SIGN FOUNDATIONS TO A MINIMUM 12 INCHES BELOW GRADE.

6. INSTALLATION OF NEW EXTRUDED ALUMINUM SIGN PANELS FABRICATED FOR THIS PROJECT IS INCIDENTAL TO ITEM 749500 - SIGN PANEL.

7. INSTALLATION OF NEW SHEET ALUMINUM SIGN OVERLAY PANELS FABRICATED FOR THIS PROJECT IS INCIDENTAL TO ITEM 749502 - SIGN PANEL OVERLAYS ON EXISTING SIGN.

8. RELOCATION OF EXISTING SIGN PANELS FROM EXISTING SIGN STRUCTURES BEING REMOVED TO NEW SIGN STRUCTURES SHALL BE PAID FOR AS ONE REMOVAL AND ONE INSTALLATION UNDER ITEM 749510 - INSTALLATION OR REMOVAL OF SIGN ON/OVER HIGHWAY STRUCTURE.

9. ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STRIPING INSTALLATION AND REMOVAL WITHIN THE CONTRACT LIMITS. ALL PROPOSED STRIPING SHALL TIE INTO EXISTING STRIPING AS DIRECTED BY THE ENGINEER.

10. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER FIGURE 3B-13A, 3B-13B, AND 3B-13C OF THE DELDOT MUTCD. PLOWABLE RAISED PAVEMENT MARKERS SHALL BE PAID FOR UNDER ITEM 748502 - RAISED/RECESSED PAVEMENT MARKER. ANY EXISTING PLOWABLE RAISED PAVEMENT MARKERS IN CONFLICT WITH THE PROPOSED PAVEMENT STRIPING SHALL BE REMOVED. REMOVAL OF THE EXISTING PLOWABLE RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 748502 - RAISED / RECESSED PAVEMENT MARKERS.

11. INSTALL DELINEATORS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER SECTION 3D OF THE DELDOT MUTCD. DELINEATORS SHALL BE PAID FOR UNDER ITEM 720540 - DELINEATORS. REMOVAL OF THE EXISTING DELINEATORS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM 720540 - DELINEATORS.

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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	BRIDGE NO.	NA
COUNTY	NEW CASTLE	DESIGNED BY:	KOC
		CHECKED BY:	MDL / KMC

SIGNING, STRIPING & CONDUIT PLAN
2 OF 36

SHEET NO.	438
TOTAL SHTS.	482

NOTES:

1. ADDITIONAL STRIPING BEYOND CONTRACT LIMITS MAY BE REQUIRED TO REPLACE THE EXISTING STRIPING REMOVED FOR MAINTENANCE OF TRAFFIC. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.
2. REMOVE EXISTING SIGN PANELS FROM EXISTING OVERHEAD SIGN STRUCTURE AND INSTALL SIGN PANELS ON NEW OVERHEAD SIGN STRUCTURE.

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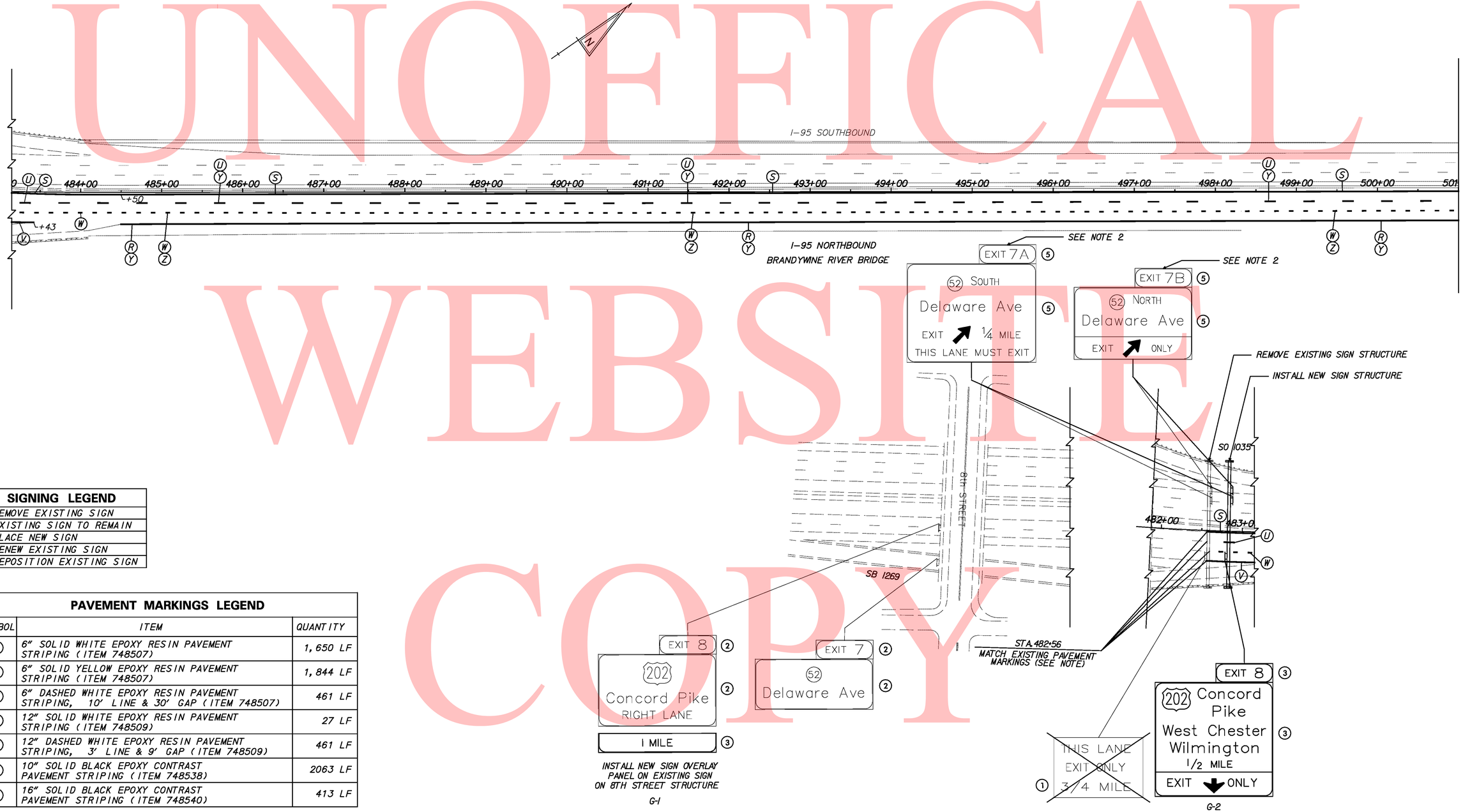

SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
R	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	1,650 LF
S	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	1,844 LF
U	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	461 LF
V	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	27 LF
W	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	461 LF
Y	10" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748538)	2063 LF
Z	16" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748540)	413 LF

MATCHLINE STA. 501+00
SSC 4 OF 36

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 3 OF 36

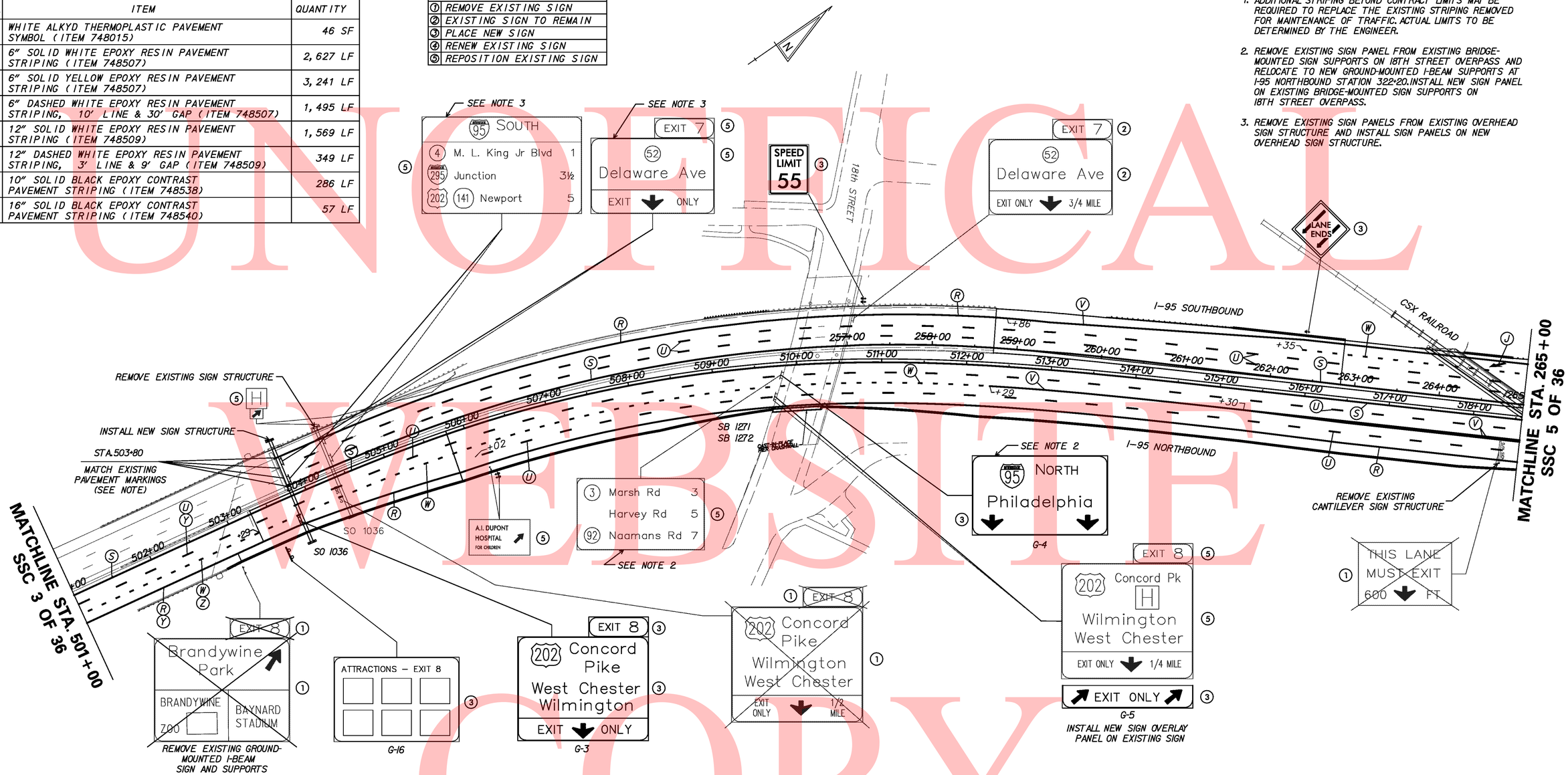
SHEET NO. 439
TOTAL SHTS. 482

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	46 SF
(R)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,627 LF
(S)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	3,241 LF
(U)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	1,495 LF
(V)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	1,569 LF
(W)	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	349 LF
(Y)	10" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748538)	286 LF
(Z)	16" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748540)	57 LF

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

NOTES:

1. ADDITIONAL STRIPING BEYOND CONTRACT LIMITS MAY BE REQUIRED TO REPLACE THE EXISTING STRIPING REMOVED FOR MAINTENANCE OF TRAFFIC. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.
2. REMOVE EXISTING SIGN PANEL FROM EXISTING BRIDGE-MOUNTED SIGN SUPPORTS ON 18TH STREET OVERPASS AND RELOCATE TO NEW GROUND-MOUNTED I-BEAM SUPPORTS AT I-95 NORTHBOUND STATION 322+20. INSTALL NEW SIGN PANEL ON EXISTING BRIDGE-MOUNTED SIGN SUPPORTS ON 18TH STREET OVERPASS.
3. REMOVE EXISTING SIGN PANELS FROM EXISTING OVERHEAD SIGN STRUCTURE AND INSTALL SIGN PANELS ON NEW OVERHEAD SIGN STRUCTURE.



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11/4/2010

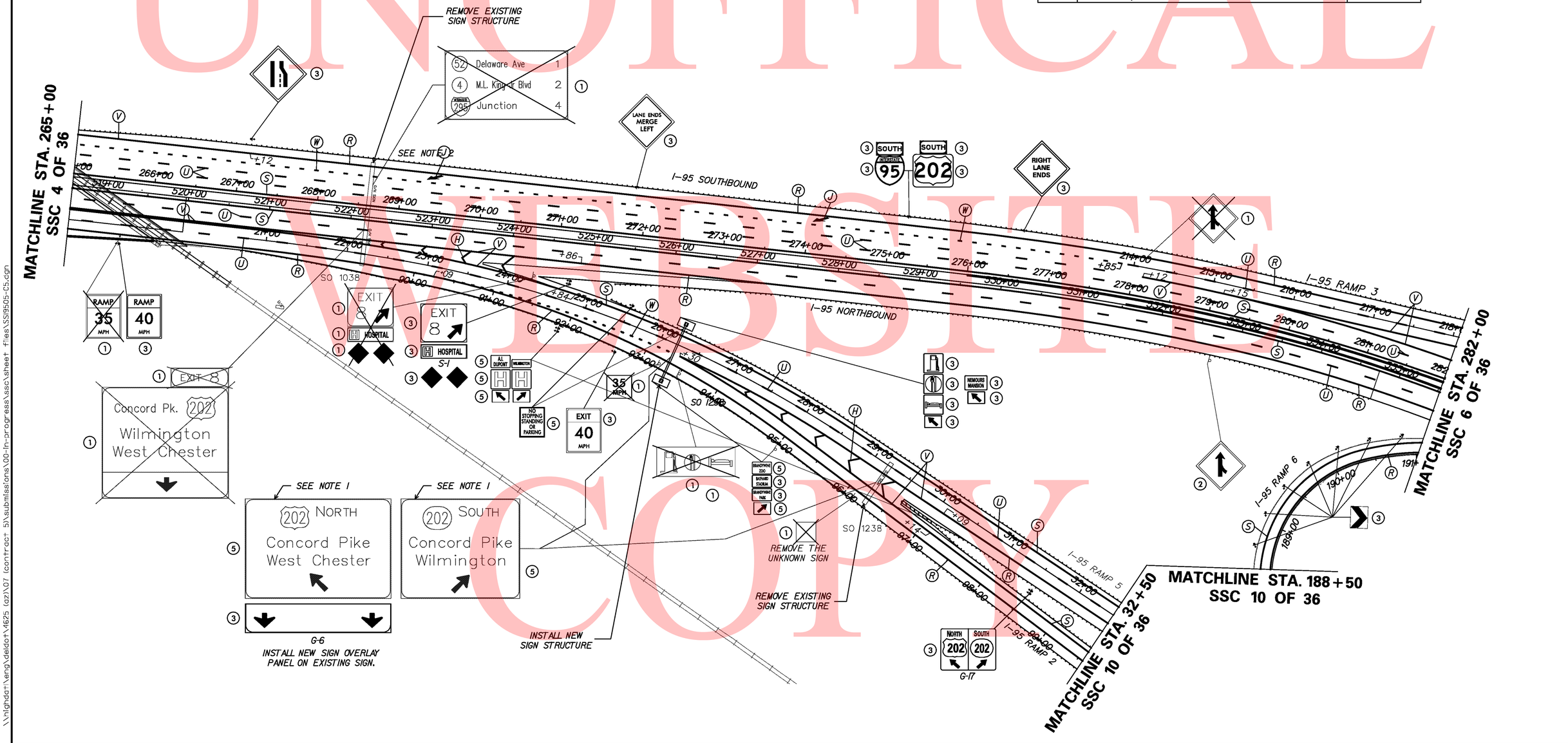
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 4 OF 36	SHEET NO. 440
				COUNTY NEW CASTLE	DESIGNED BY: KOC		TOTAL SHTS. 482
					CHECKED BY: MDL / KMC		

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

NOTE:

1. REMOVE EXISTING SIGN PANELS FROM EXISTING OVERHEAD SIGN STRUCTURE AND INSTALL SIGN PANELS ON NEW OVERHEAD SIGN STRCUTURE.

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓗ	12" WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	190 SF
Ⓙ	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	92 SF
Ⓡ	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	4,463 LF
Ⓢ	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	4,698 LF
Ⓤ	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	1,638 LF
Ⓥ	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	2,899 LF
Ⓦ	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	402 LF



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 5 OF 36
				COUNTY NEW CASTLE	DESIGNED BY: KOC	SHEET NO. 441
					CHECKED BY: MDL / KMC	TOTAL SHTS. 482

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ELECTRICAL SERVICE CONDUIT RUN SCHEDULE

CR*	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S27	1	2.0"	243'	T	2/#8 UF W/GROUND
S28	1	2.0"	223'	T	2/#8 UF W/GROUND
S29	1	2.0"	260'	T	2/#8 UF W/GROUND
S30	1	2.0"	12'	T	2/#8 UF W/GROUND

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

* EXISTING CONDUIT

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCUR, IN WHICH CASE IT MAY BE PLACED SEPARATELY.

ITMS CONDUIT RUN SCHEDULE

CR*	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
30	1	4.0"	360'	T	ITMS CABLE
31	1	4.0"	360'	T	ITMS CABLE
32	1	4.0"	12'	T	ITMS CABLE

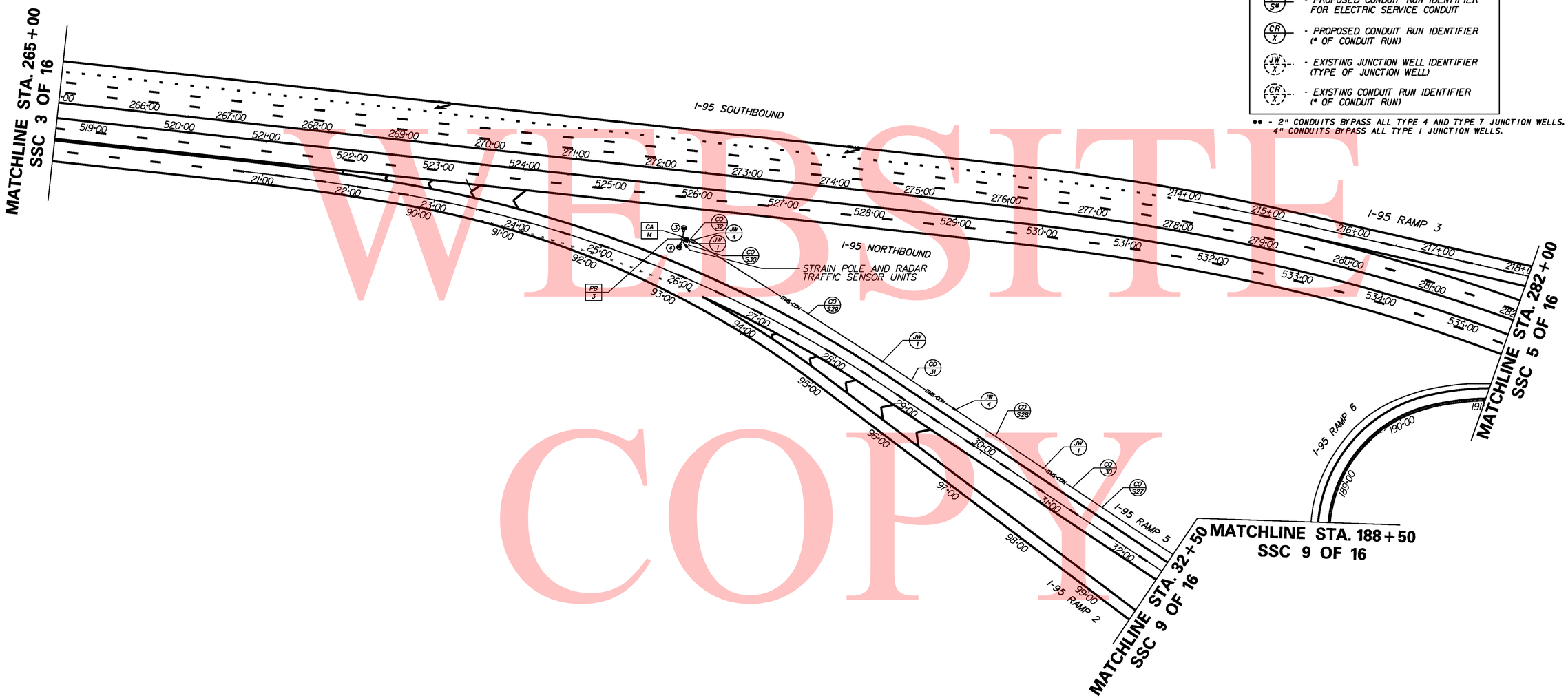
B = BORE, T = TRENCH, O = OPEN CUT

* EXISTING CONDUIT

ITMS LEGEND

- ITMS-CON - MULTIDUCT CONDUIT
- EX-ITMS - EXISTING ITMS CONDUIT
- SIG-CON - CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN
- EX-SIG - EXISTING SIGNAL CONDUIT
- ITMS CONDUIT JUNCTION WELL
- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING CONDUIT JUNCTION WELL
- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING TRAFFIC SIGNAL CONTROLLER
- R - REMOVE
- A - ABANDON
- HIGH-DEFINITION RADAR TRAFFIC SENSOR
- JW X - PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR S# - PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
- CR X - PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- JW X - EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR X - EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)

** - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS. 4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.



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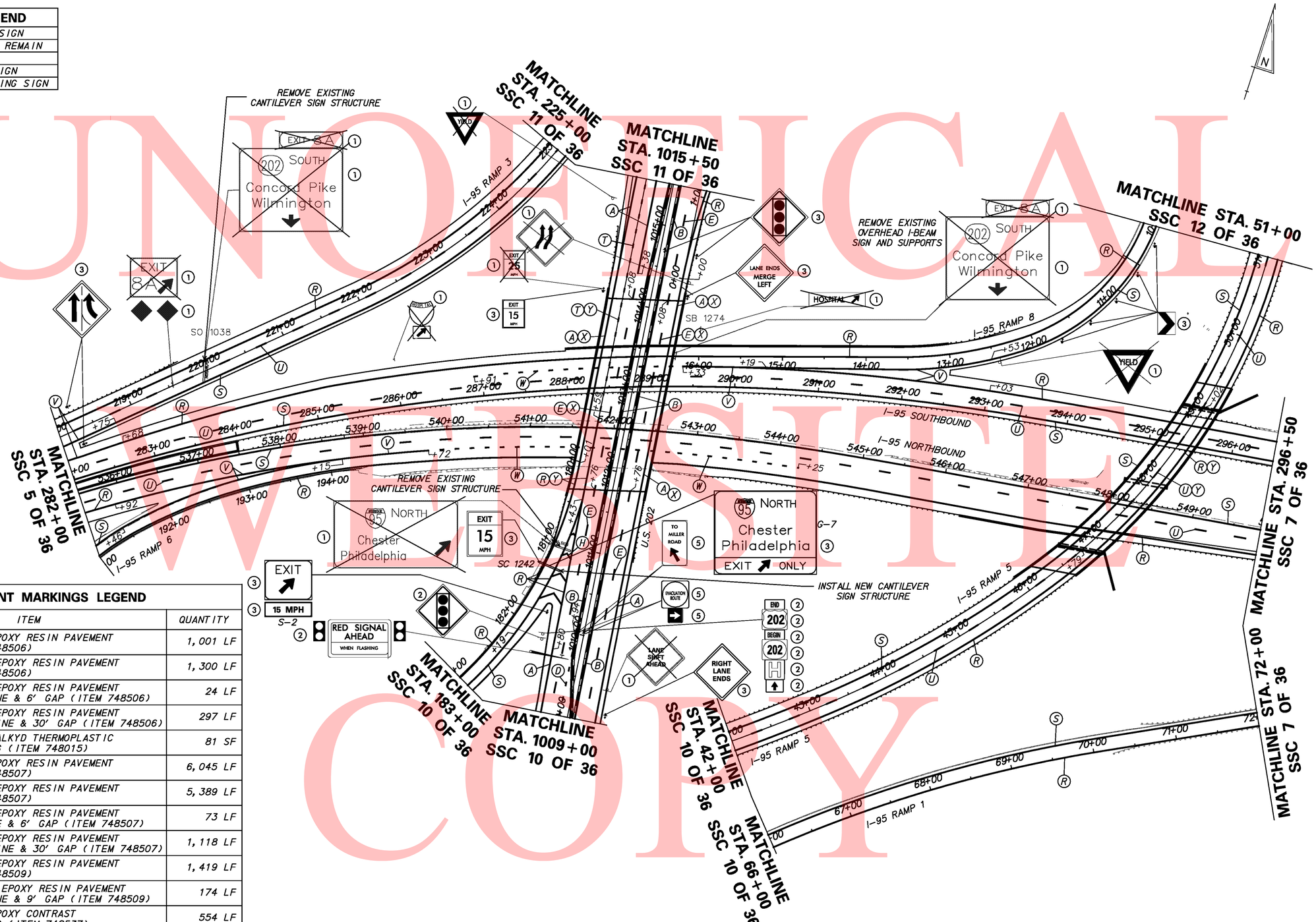
8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 5A OF 36	SHEET NO. 442
				COUNTY NEW CASTLE	DESIGNED BY: DEM		TOTAL SHTS. 482
					CHECKED BY: DRK		

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)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	1,001 LF
(B)	4" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	1,300 LF
(D)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)	24 LF
(E)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748506)	297 LF
(H)	12" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	81 SF
(R)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	6,045 LF
(S)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	5,389 LF
(T)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748507)	73 LF
(U)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	1,118 LF
(V)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	1,419 LF
(W)	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	174 LF
(X)	8" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748537)	554 LF
(Y)	10" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748538)	432 LF

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 6 OF 36

SHEET NO.
443
TOTAL SHTS.
482

ITMS CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
*10	2	4.0"	223'		ITMS CABLE
11	3	4.0"	29'	T	ITMS CABLE
12	1	4.0"	31'	T	ITMS CABLE
13	1	4.0"	17'	T	ITMS CABLE
14	1	1.0"	102'	**	RSWMIS SENSOR CABLE
15	1	4.0"	101'	B	ITMS CABLE
	1	2.0"	101'	B	RSWMIS SENSOR CABLE
16	1	4.0"	170'	T	ITMS CABLE
	1	2.0"	170'	T	RSWMIS SENSOR CABLE
17	1	4.0"	206'	T	ITMS CABLE
18	1	4.0"	14'	T	ITMS CABLE
19	1	4.0"	61'	T	ITMS CABLE
	1	2.0"	61'	T	RSWMIS SENSOR CABLE
20	1	4.0"	141'	T/O	ITMS CABLE
	1	2.0"	141'	T/O	RSWMIS SENSOR CABLE
21	1	4.0"	194'	T	ITMS CABLE
38	1	4.0"	49'	B	ITMS CABLE
39	1	1.0"	120'	**	RSWMIS SENSOR CABLE

B = BORE, T = TRENCH, O = OPEN CUT
* EXISTING CONDUIT
** TRENCH AND STRUCTURE MOUNTED CONDUIT.

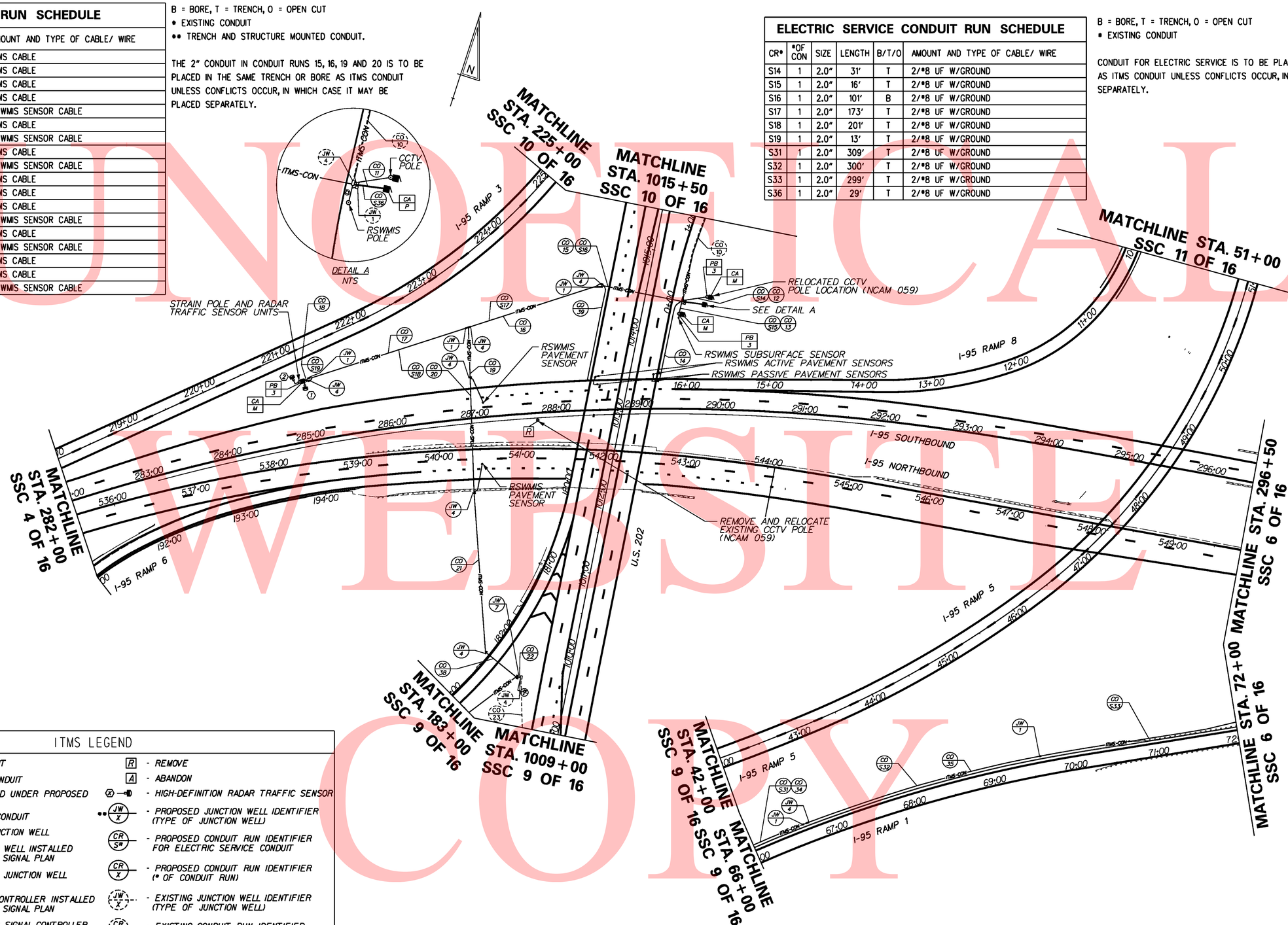
THE 2" CONDUIT IN CONDUIT RUNS 15, 16, 19 AND 20 IS TO BE PLACED IN THE SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCUR, IN WHICH CASE IT MAY BE PLACED SEPARATELY.

ELECTRIC SERVICE CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S14	1	2.0"	31'	T	2/#8 UF W/GROUND
S15	1	2.0"	16'	T	2/#8 UF W/GROUND
S16	1	2.0"	101'	B	2/#8 UF W/GROUND
S17	1	2.0"	173'	T	2/#8 UF W/GROUND
S18	1	2.0"	201'	T	2/#8 UF W/GROUND
S19	1	2.0"	13'	T	2/#8 UF W/GROUND
S31	1	2.0"	309'	T	2/#8 UF W/GROUND
S32	1	2.0"	300'	T	2/#8 UF W/GROUND
S33	1	2.0"	299'	T	2/#8 UF W/GROUND
S36	1	2.0"	29'	T	2/#8 UF W/GROUND

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

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCUR, IN WHICH CASE IT MAY BE PLACED SEPARATELY.



ITMS LEGEND

ITMS-CON	- MULTIDUCT CONDUIT	R	- REMOVE
EX-ITMS	- EXISTING ITMS CONDUIT	A	- ABANDON
SIG-CON	- CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN		- HIGH-DEFINITION RADAR TRAFFIC SENSOR
EX-SIG	- EXISTING SIGNAL CONDUIT	JW X	- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
	- ITMS CONDUIT JUNCTION WELL	CR S#	- PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
	- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN	CR X	- PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
	- EXISTING CONDUIT JUNCTION WELL	JW X	- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
	- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN	CR X	- EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
	- EXISTING TRAFFIC SIGNAL CONTROLLER		

** - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS.
4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	DEM
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 6A OF 36

SHEET NO. 444
TOTAL SHTS. 482

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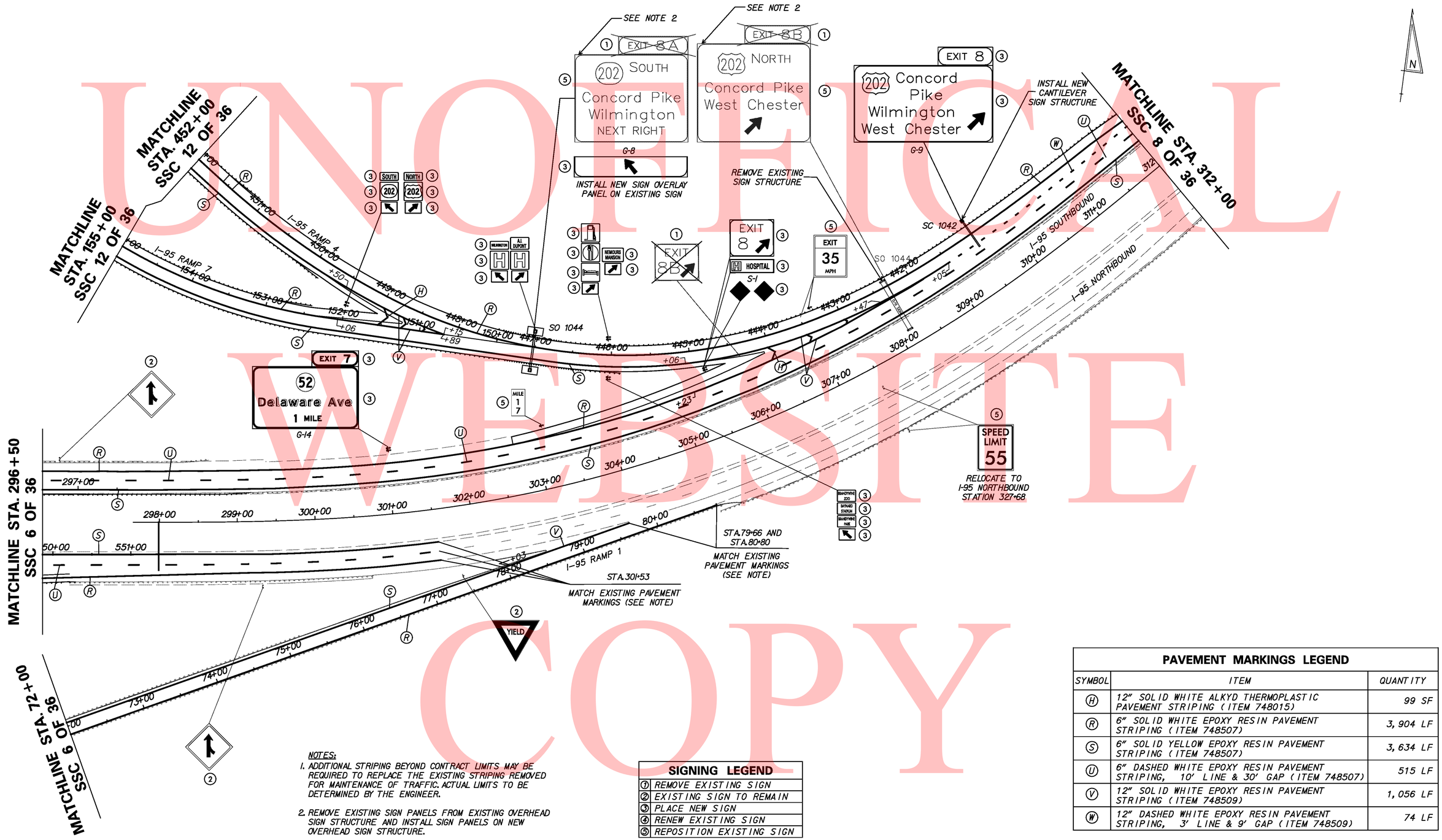

NOTES:

1. ADDITIONAL STRIPING BEYOND CONTRACT LIMITS MAY BE REQUIRED TO REPLACE THE EXISTING STRIPING REMOVED FOR MAINTENANCE OF TRAFFIC. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.
2. REMOVE EXISTING SIGN PANELS FROM EXISTING OVERHEAD SIGN STRUCTURE AND INSTALL SIGN PANELS ON NEW OVERHEAD SIGN STRUCTURE.

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
Ⓗ	12" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	99 SF
Ⓡ	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	3,904 LF
Ⓢ	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	3,634 LF
Ⓤ	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	515 LF
Ⓥ	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	1,056 LF
Ⓦ	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	74 LF

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 7 OF 36

SHEET NO.
445
TOTAL SHTS.
482

8/18/2010

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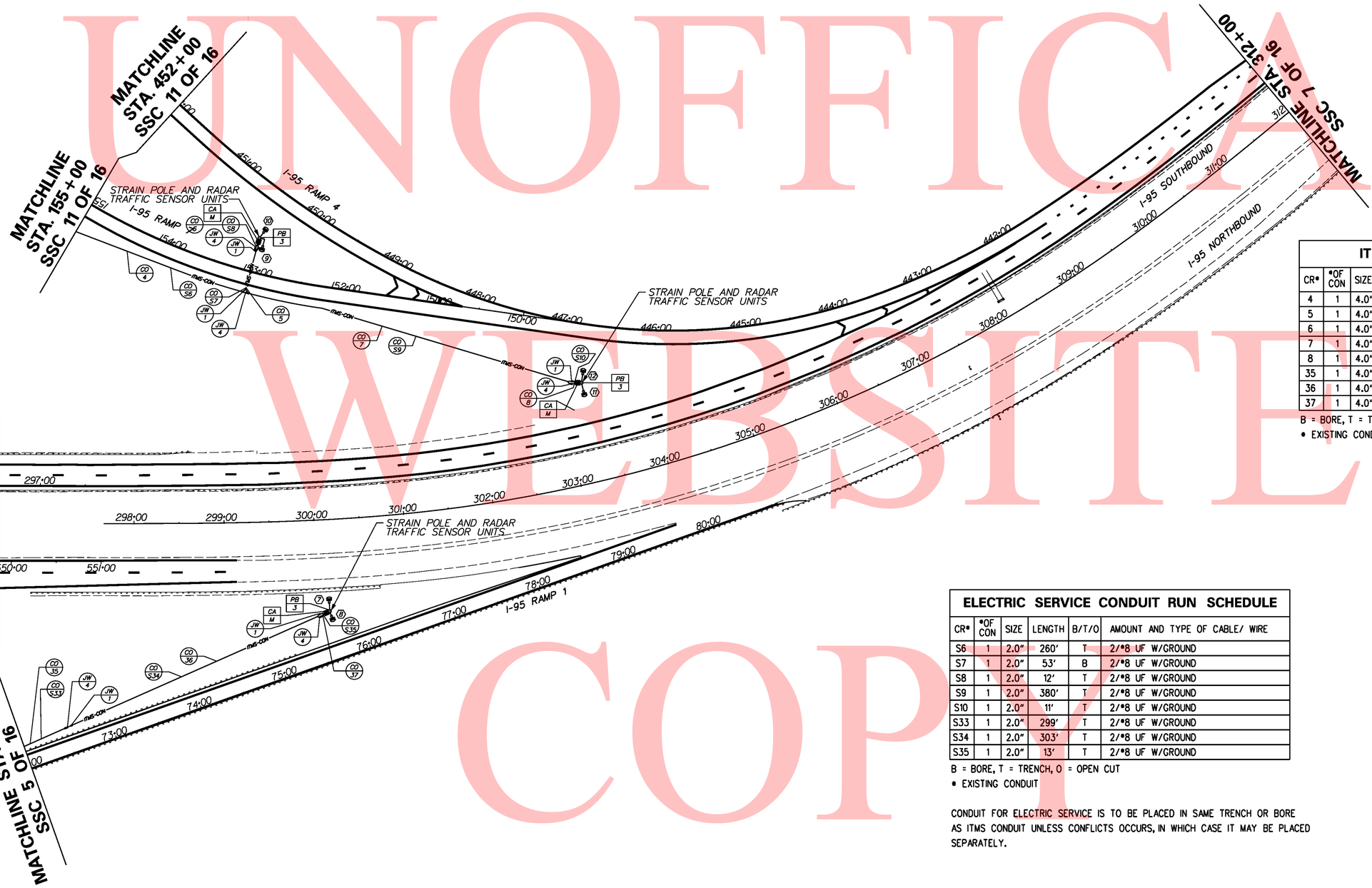

ITMS CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
4	1	4.0"	538'	T	ITMS CONDUIT
5	1	4.0"	53'	B	ITMS CONDUIT
6	1	4.0"	13'	T	ITMS CONDUIT
7	1	4.0"	375'	T	ITMS CONDUIT
8	1	4.0"	13'	T	ITMS CONDUIT
35	1	4.0"	587'	T	ITMS CONDUIT
36	1	4.0"	310'	T	ITMS CONDUIT
37	1	4.0"	13'	T	ITMS CONDUIT

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

ELECTRIC SERVICE CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S6	1	2.0"	260'	T	2/#8 UF W/GROUND
S7	1	2.0"	53'	B	2/#8 UF W/GROUND
S8	1	2.0"	12'	T	2/#8 UF W/GROUND
S9	1	2.0"	380'	T	2/#8 UF W/GROUND
S10	1	2.0"	11'	T	2/#8 UF W/GROUND
S33	1	2.0"	299'	T	2/#8 UF W/GROUND
S34	1	2.0"	303'	T	2/#8 UF W/GROUND
S35	1	2.0"	13'	T	2/#8 UF W/GROUND

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCURS, IN WHICH CASE IT MAY BE PLACED SEPARATELY.

ITMS LEGEND

- ITMS-CON - MULTIDUCT CONDUIT
- EX-ITMS - EXISTING ITMS CONDUIT
- SIG-CON - CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN
- EX-SIG - EXISTING SIGNAL CONDUIT
- ITMS CONDUIT JUNCTION WELL
- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING CONDUIT JUNCTION WELL
- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING TRAFFIC SIGNAL CONTROLLER
- R - REMOVE
- A - ABANDON
- HIGH-DEFINITION RADAR TRAFFIC SENSOR
- •• JW X - PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR S# - PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
- CR X - PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- JW X - EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR X - EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)

•• - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS.
4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 60 120 180
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	DEM
CHECKED BY:	DRK

SIGNING, STRIPING & CONDUIT PLAN
SSC 7A OF 36

SHEET NO.	446
TOTAL SHTS.	482

8/18/2010
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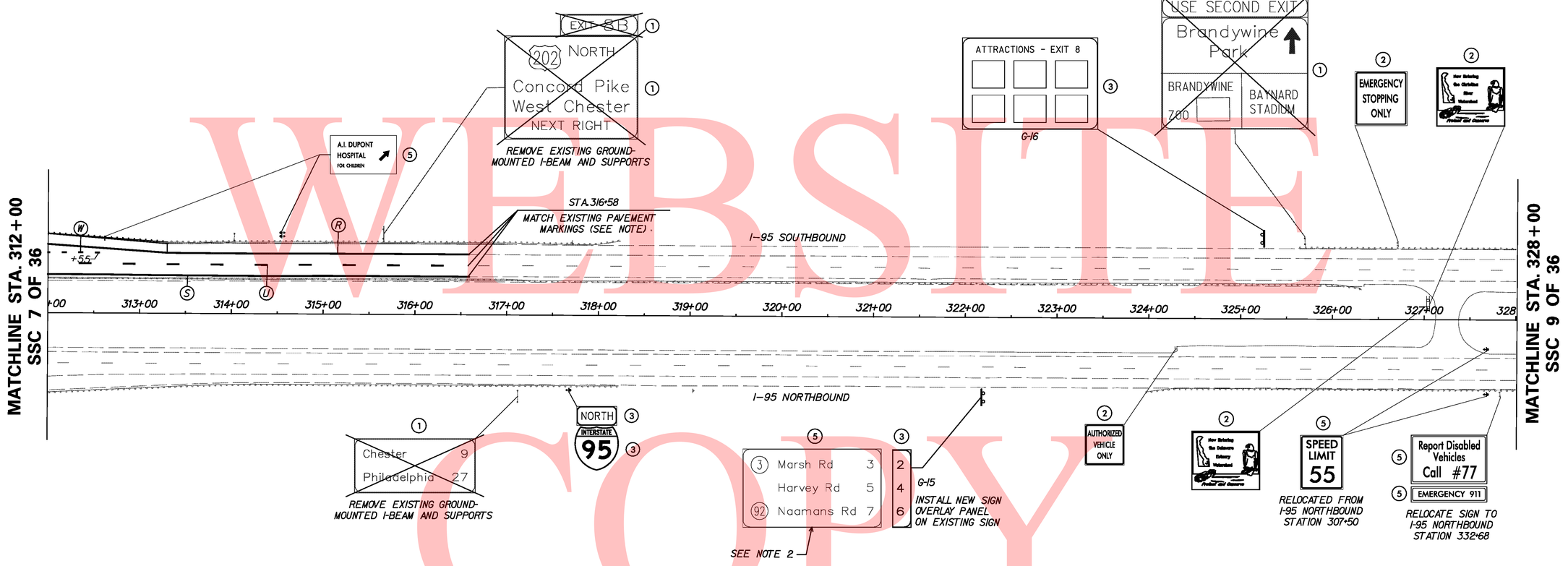
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓡ	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	458 LF
Ⓢ	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	458 LF
Ⓤ	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	115 LF
Ⓦ	12" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748509)	14 LF

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

NOTES:

1. ADDITIONAL STRIPING BEYOND CONTRACT LIMITS MAY BE REQUIRED TO REPLACE THE EXISTING STRIPING REMOVED FOR MAINTENANCE OF TRAFFIC. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.
2. REMOVE EXISTING SIGN PANEL FROM EXISTING BRIDGE-MOUNTED SIGN SUPPORTS ON 18TH STREET OVERPASS AND RELOCATE TO NEW GROUND-MOUNTED I-BEAM SUPPORTS AT I-95 NORTHBOUND STATION 322+20.



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

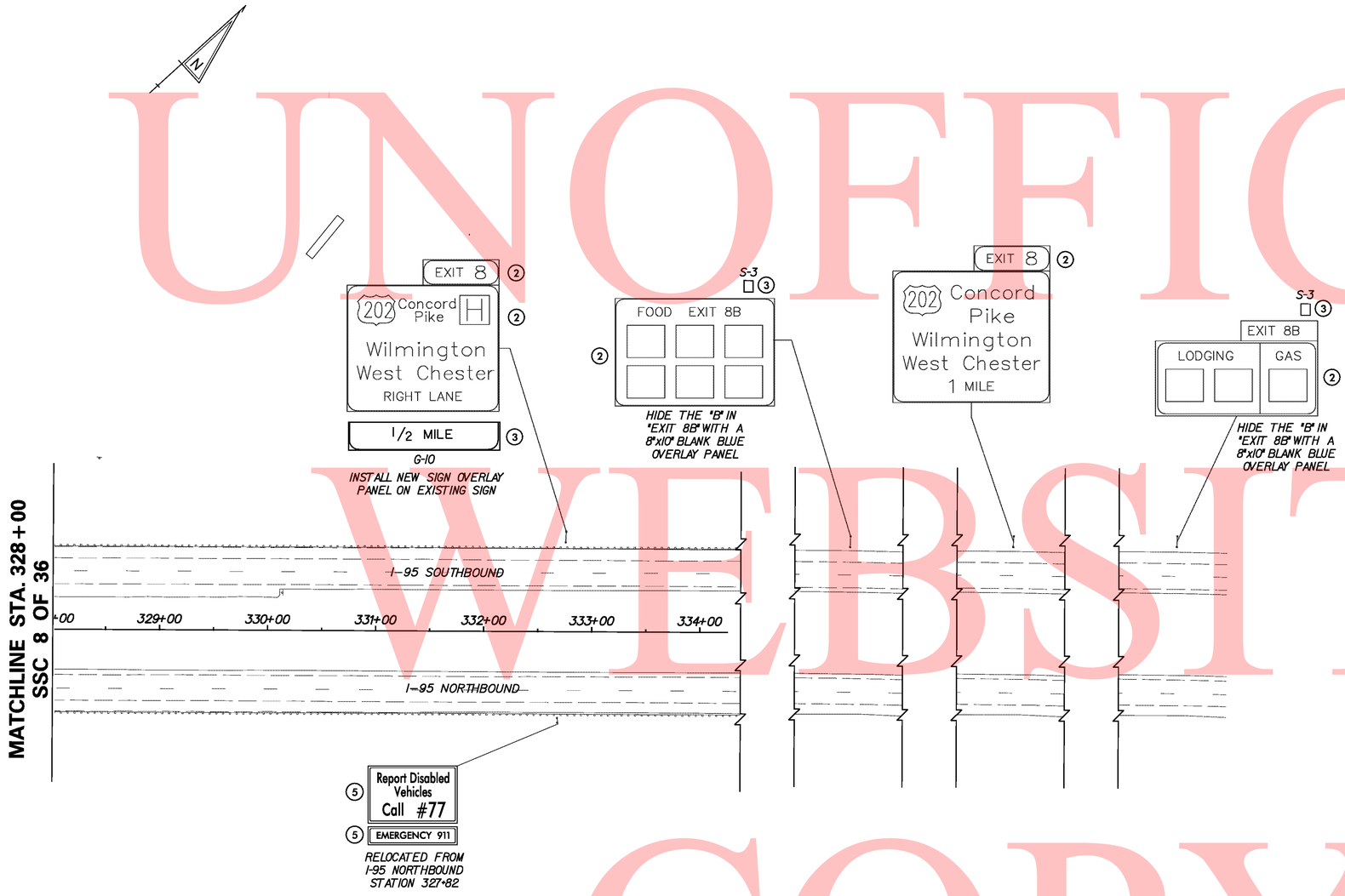
SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE
BRIDGE NO. NA
DESIGNED BY: KOC
CHECKED BY: MDL / KMC

SIGNING, STRIPING & CONDUIT PLAN
SSC 8 OF 36

SHEET NO. 447
TOTAL SHTS. 482



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

UNOFFICAL WEBSITE COPY

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8/18/2010

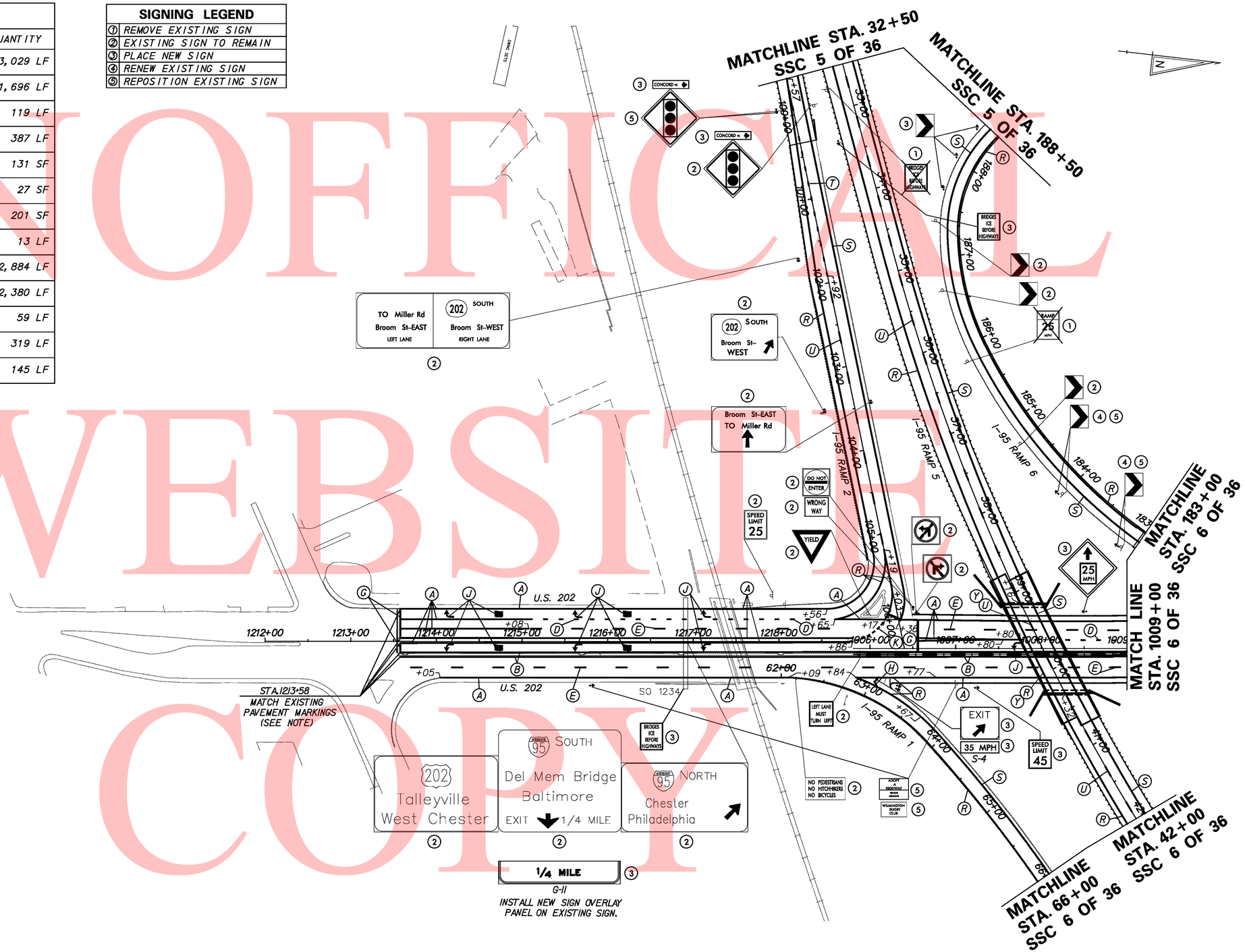
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN	SHEET NO. 448
				COUNTY NEW CASTLE	DESIGNED BY: KOC	SSC 9 OF 36	TOTAL SHTS. 482
					CHECKED BY: MDL / KMC		

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	3,029 LF
(B)	4" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	1,696 LF
(D)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)	119 LF
(E)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748506)	387 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	131 SF
(H)	12" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	27 SF
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	201 SF
(K)	4" DASHED YELLOW THERMOPLASTIC PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748014)	13 LF
(R)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,884 LF
(S)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,380 LF
(T)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748507)	59 LF
(U)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	319 LF
(Y)	10" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748538)	145 LF

SIGNING LEGEND

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



NOTE:
ADDITIONAL STRIPING BEYOND CONTRACT LIMITS MAY BE REQUIRED TO REPLACE THE EXISTING STRIPING REMOVED FOR MAINTENANCE OF TRAFFIC. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.

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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE
0 60 120 180
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 10 OF 36

SHEET NO.	
449	
TOTAL SHTS.	
482	

ITMS LEGEND

ITMS-CON	- MULTIDUCT CONDUIT
EX-ITMS	- EXISTING ITMS CONDUIT
SIG-CON	- CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN
EX-SIG	- EXISTING SIGNAL CONDUIT
■	- ITMS CONDUIT JUNCTION WELL
■	- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN
□	- EXISTING CONDUIT JUNCTION WELL
■	- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN
	- EXISTING TRAFFIC SIGNAL CONTROLLER
R	- REMOVE
A	- ABANDON
	- HIGH-DEFINITION RADAR TRAFFIC SENSOR
•• JW X	- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
CR S#	- PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
CR X	- PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
JW X	- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
CR X	- EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)

•• - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS.
4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.

ITMS CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
38	1	4.0"	49'	B	ITMS CABLE
22	1	4.0"	5'	T	ITMS CABLE
•23	1	4.0"	141'		ITMS CABLE
•24	1	4.0"	122'		ITMS CABLE
•25	1	4.0"	47'		ITMS CABLE
26	1	4.0"	452'	T	ITMS CABLE
27	1	4.0"	237'	T	ITMS CABLE
28	1	4.0"	53'	B	ITMS CABLE
29	1	4.0"	10'	T	ITMS CABLE
30	1	4.0"	360'	T	ITMS CABLE
33	1	4.0"	5'	T	ITMS CABLE
34	1	4.0"	301'	T	ITMS CABLE

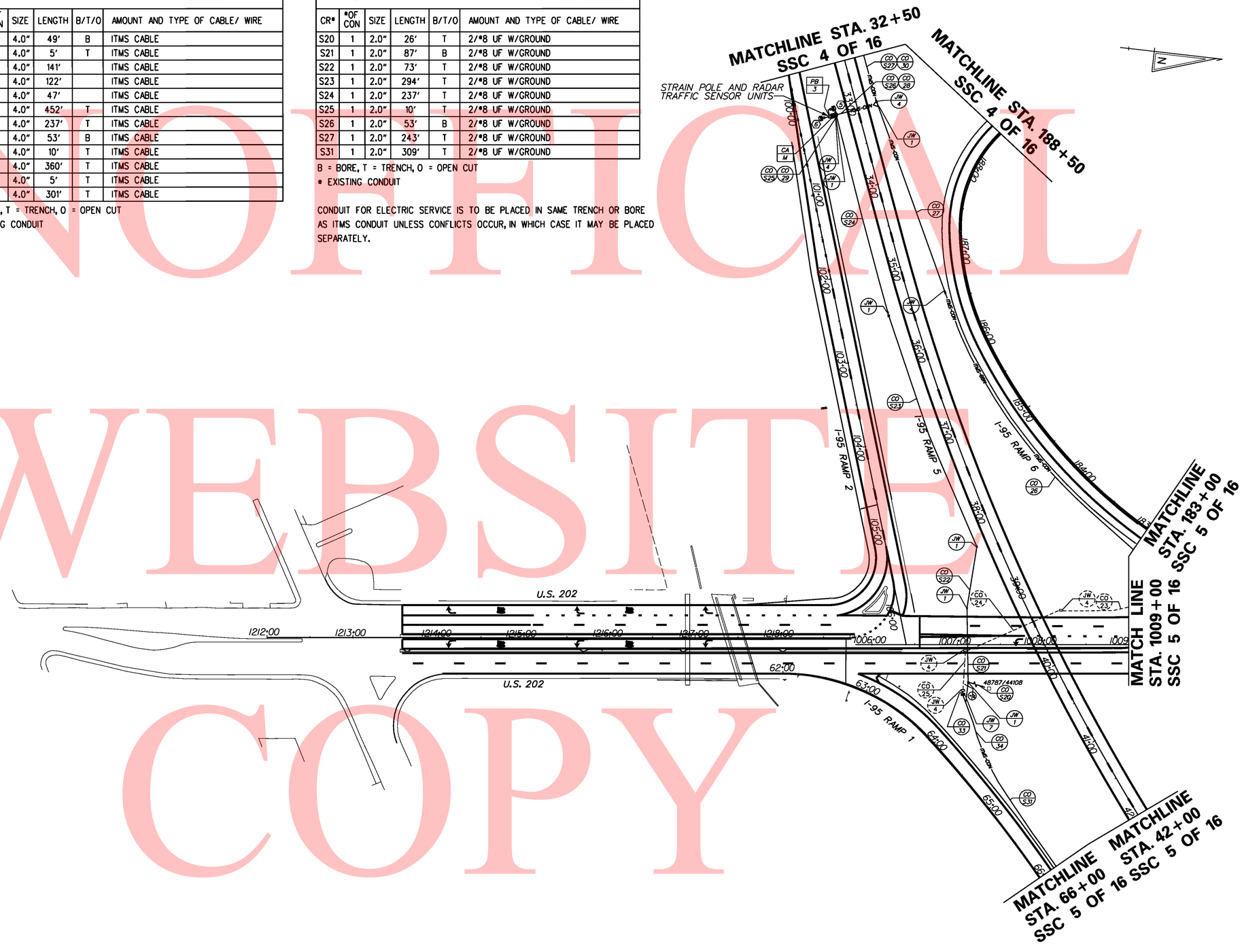
B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

ELECTRIC SERVICE CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S20	1	2.0"	26'	T	2/#8 UF W/GROUND
S21	1	2.0"	87'	B	2/#8 UF W/GROUND
S22	1	2.0"	73'	T	2/#8 UF W/GROUND
S23	1	2.0"	294'	T	2/#8 UF W/GROUND
S24	1	2.0"	237'	T	2/#8 UF W/GROUND
S25	1	2.0"	10'	T	2/#8 UF W/GROUND
S26	1	2.0"	53'	B	2/#8 UF W/GROUND
S27	1	2.0"	243'	T	2/#8 UF W/GROUND
S31	1	2.0"	309'	T	2/#8 UF W/GROUND

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCUR, IN WHICH CASE IT MAY BE PLACED SEPARATELY.



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602 / COUNTY NEW CASTLE	BRIDGE NO. NA / DESIGNED BY: DEM / CHECKED BY: DRK

SIGNING, STRIPING & CONDUIT PLAN
SSC 10A OF 36

SHEET NO. 450
TOTAL SHTS. 482

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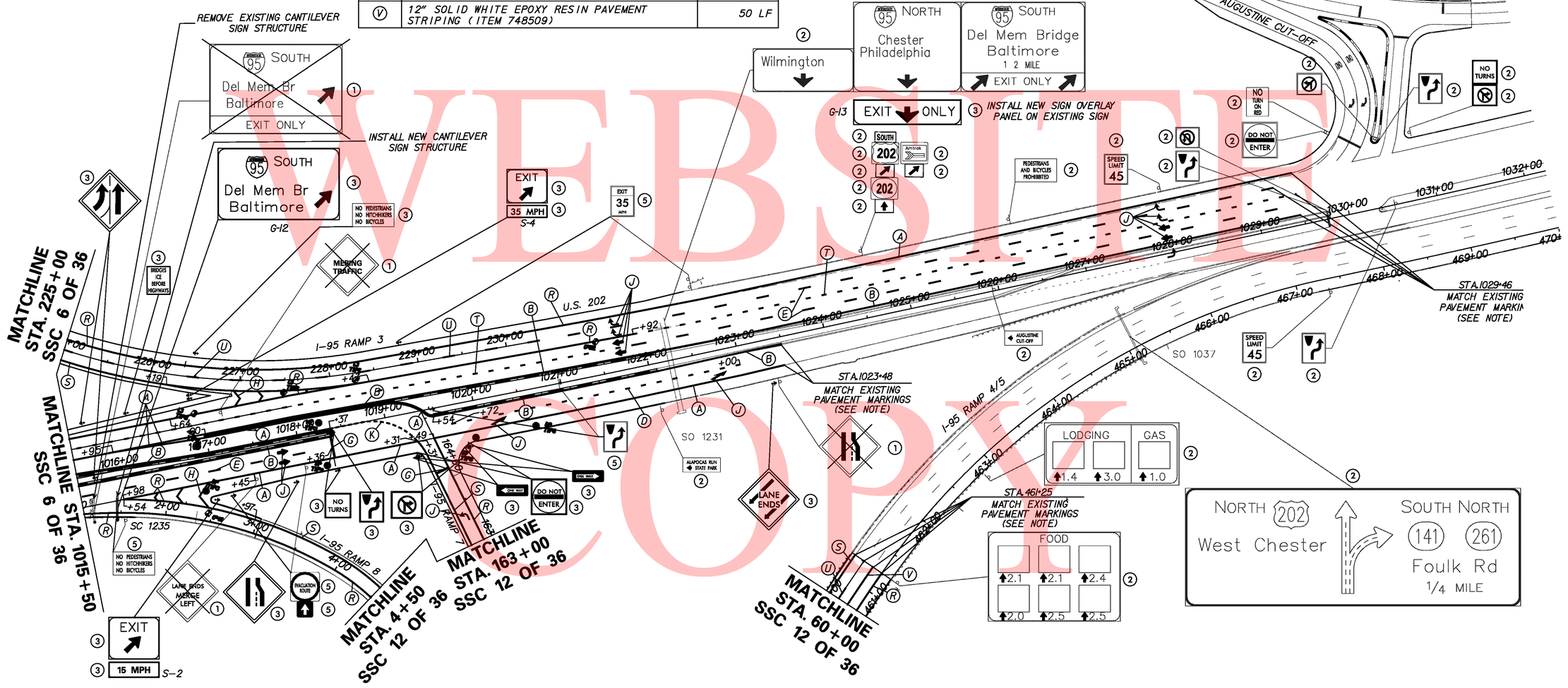
PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
Ⓐ	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	1,916 LF
Ⓑ	4" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)	2,213 LF
Ⓓ	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)	82 LF
Ⓔ	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748506)	449 LF
Ⓖ	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	21 SF
Ⓗ	12" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	117 SF
Ⓙ	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	352 SF
Ⓚ	4" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748014)	26 LF
Ⓡ	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,191 LF
Ⓢ	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	459 LF
Ⓣ	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748507)	174 LF
Ⓤ	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	349 LF
Ⓥ	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	50 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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8/18/2020

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 60 120 180 FEET	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 11 OF 36
				COUNTY NEW CASTLE	DESIGNED BY: KOC	SHEET NO. 451
					CHECKED BY: MDL / KMC	TOTAL SHTS. 482

ITMS LEGEND

- ITMS-CON - MULTIDUCT CONDUIT
- EX-ITMS - EXISTING ITMS CONDUIT
- SIG-CON - CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN
- EX-SIG - EXISTING SIGNAL CONDUIT
- ITMS CONDUIT JUNCTION WELL
- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING CONDUIT JUNCTION WELL
- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN
- EXISTING TRAFFIC SIGNAL CONTROLLER
- R - REMOVE
- A - ABANDON
- HIGH-DEFINITION RADAR TRAFFIC SENSOR
- •• JW/X - PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR/S# - PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
- CR/X - PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- JW/X - EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- CR/X - EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)

•• - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS.
4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.

ITMS CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1	2	4.0"	364'	B/T	ITMS CABLE
2	2	4.0"	219'	T	ITMS CABLE
3	1	4.0"	565'	T	ITMS CABLE
9	2	4.0"	54'	B	ITMS CABLE
•10	2	4.0"	223'		ITMS CABLE

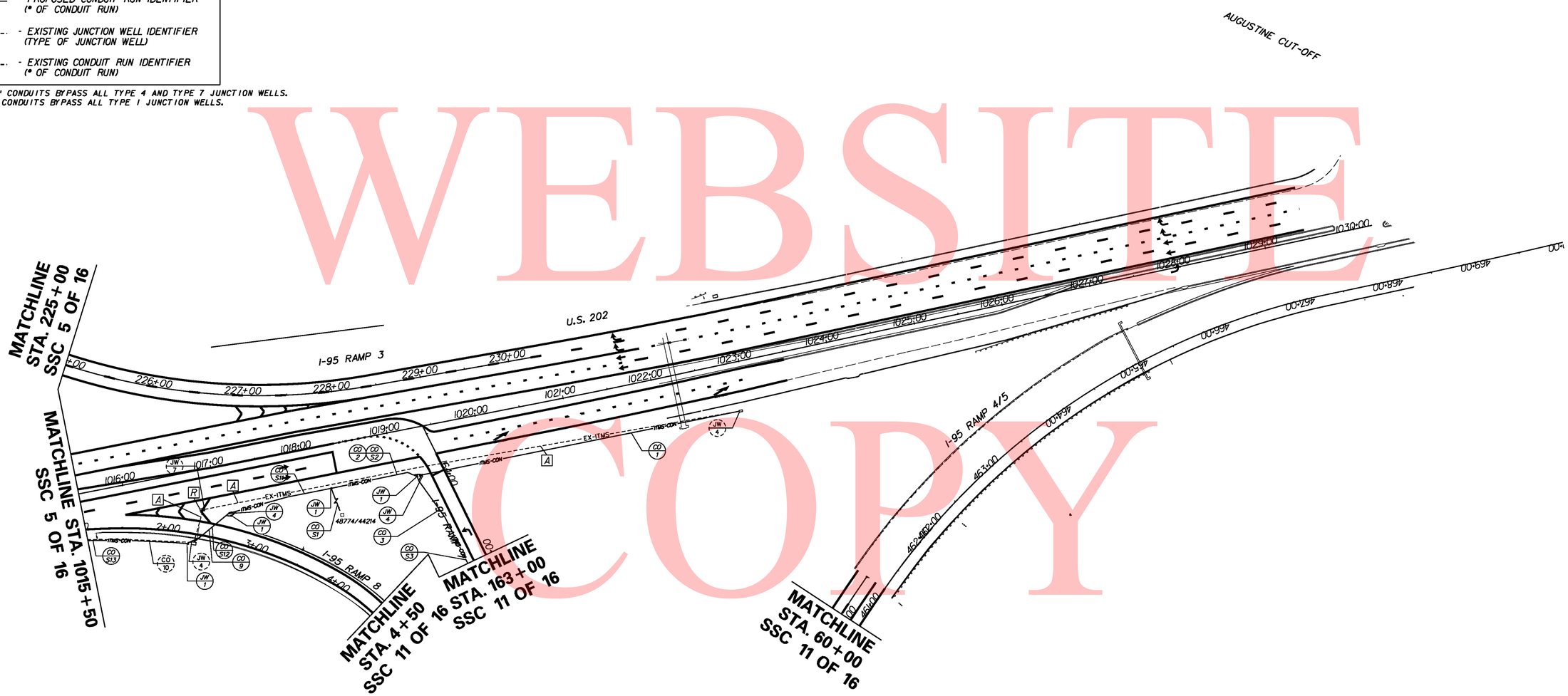
B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

ELECTRIC SERVICE CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S1	1	2.0"	33'	T	2/#8 UF W/GROUND
S2	1	2.0"	99'	T	2/#8 UF W/GROUND
S3	1	2.0"	276'	T	2/#8 UF W/GROUND
S11	1	2.0"	117'	T	2/#8 UF W/GROUND
S12	1	2.0"	59'	B	2/#8 UF W/GROUND
S13	1	2.0"	220'	T	2/#8 UF W/GROUND

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCUR, IN WHICH CASE IT MAY BE PLACED SEPARATELY.



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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 60 120 180 FEET

I-95 & US 202 INTERCHANGE

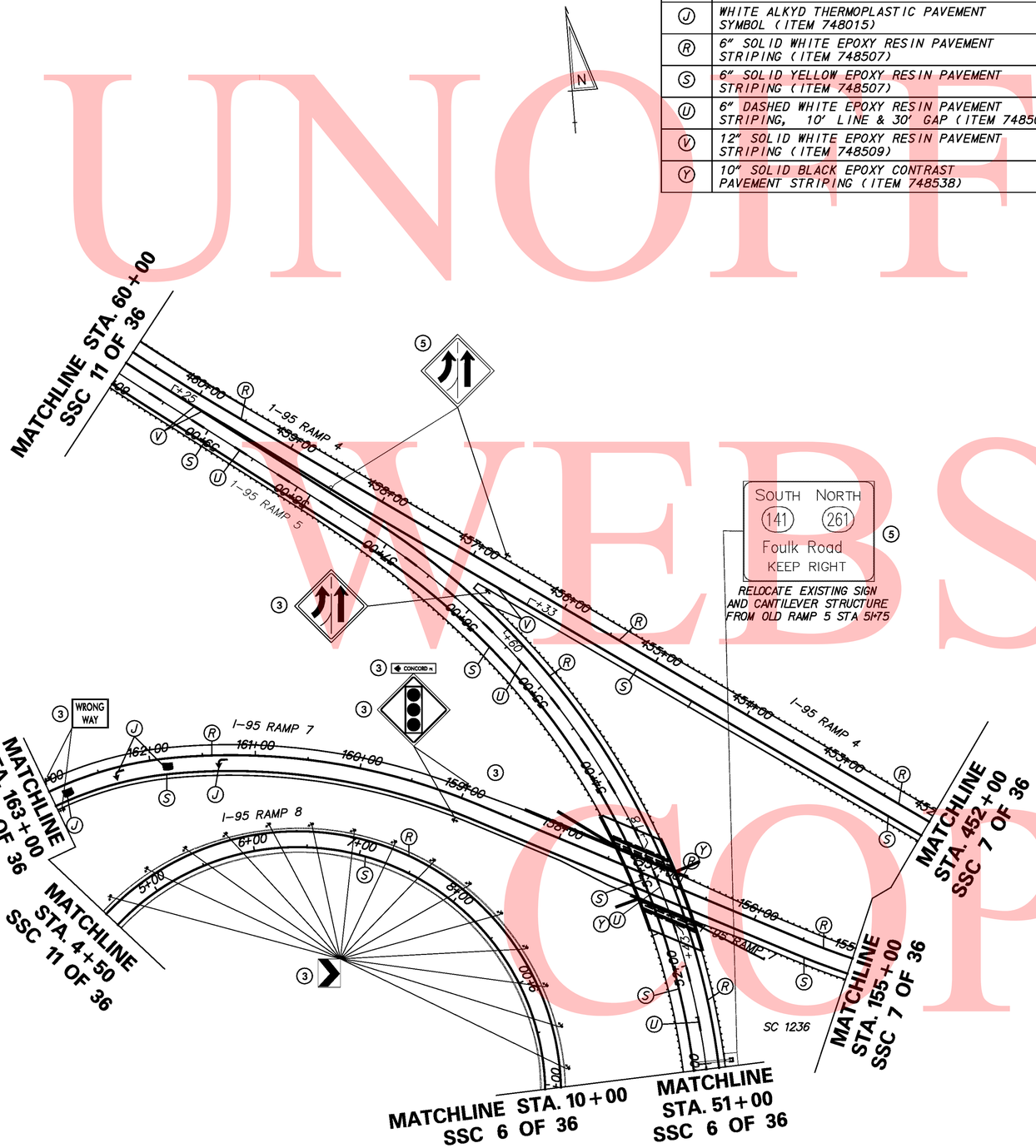
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	DEM
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 11A OF 36

SHEET NO. 452
TOTAL SHTS. 482

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	77 SF
(R)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,688 LF
(S)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748507)	2,687 LF
(U)	6" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748507)	225 LF
(V)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748509)	832 LF
(Y)	10" SOLID BLACK EPOXY CONTRAST PAVEMENT STRIPING (ITEM 748538)	94 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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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 60 120 180
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
BRIDGE NO.	NA
DESIGNED BY:	KOC
CHECKED BY:	MDL / KMC

SIGNING, STRIPING & CONDUIT PLAN
SSC 12 OF 36

SHEET NO.	453
TOTAL SHTS.	482

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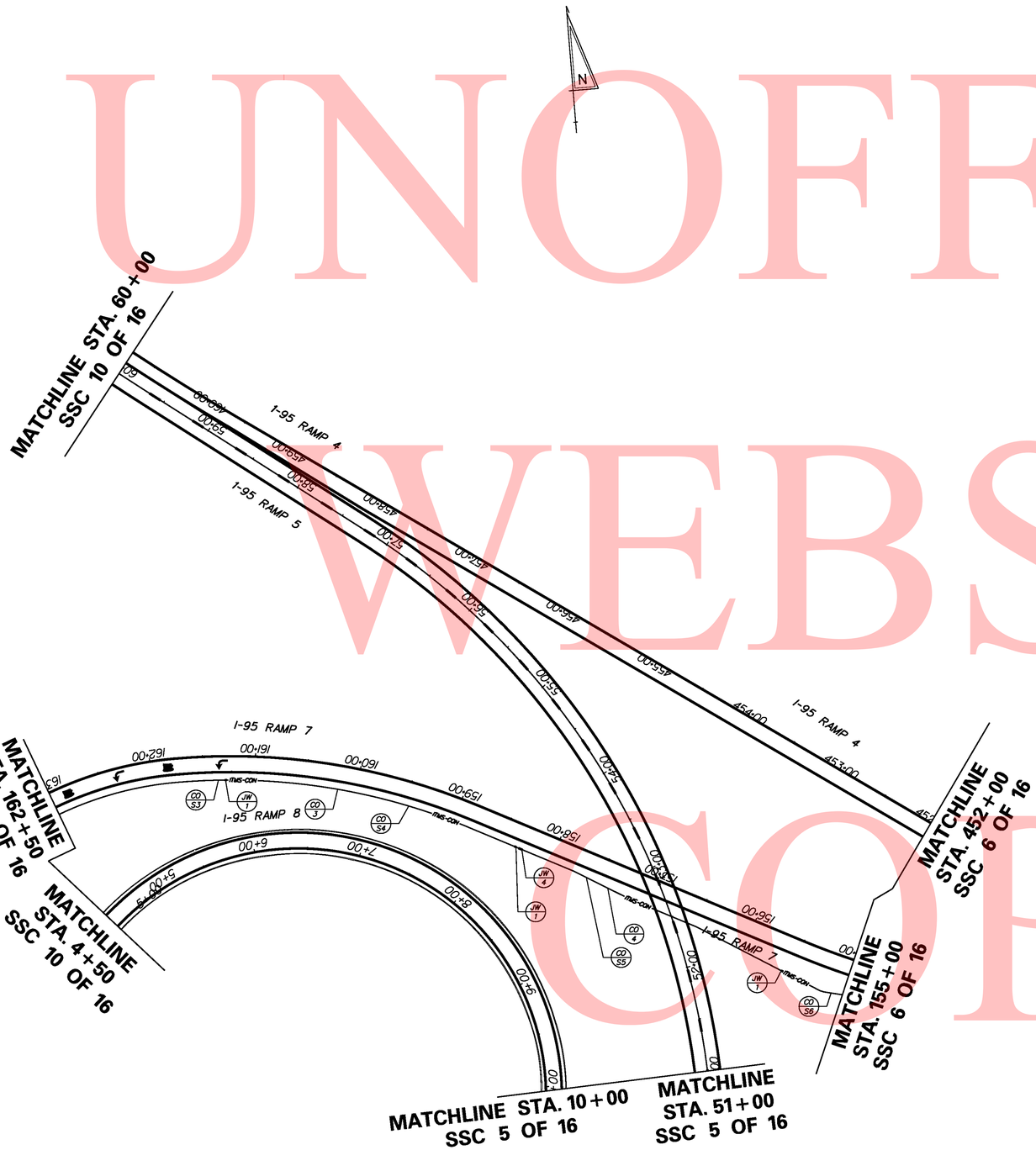

ITMS LEGEND

ITMS-CON	- MULTIDUCT CONDUIT
EX-ITMS	- EXISTING ITMS CONDUIT
SIG-CON	- CONDUIT INSTALLED UNDER PROPOSED SIGNAL PLAN
EX-SIG	- EXISTING SIGNAL CONDUIT
▬	- ITMS CONDUIT JUNCTION WELL
■	- CONDUIT JUNCTION WELL INSTALLED UNDER PROPOSED SIGNAL PLAN
□	- EXISTING CONDUIT JUNCTION WELL
	- TRAFFIC SIGNAL CONTROLLER INSTALLED UNDER PROPOSED SIGNAL PLAN
	- EXISTING TRAFFIC SIGNAL CONTROLLER
R	- REMOVE
A	- ABANDON
	- HIGH-DEFINITION RADAR TRAFFIC SENSOR
•• JW X	- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
CR S#	- PROPOSED CONDUIT RUN IDENTIFIER FOR ELECTRIC SERVICE CONDUIT
CR X	- PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
JW X	- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
CR X	- EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)

•• - 2" CONDUITS BYPASS ALL TYPE 4 AND TYPE 7 JUNCTION WELLS. 4" CONDUITS BYPASS ALL TYPE 1 JUNCTION WELLS.

ITMS CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
3	1	4.0"	565'	T	ITMS CABLE
4	1	4.0"	538'	T	ITMS CABLE

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

ELECTRIC SERVICE CONDUIT RUN SCHEDULE

CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
S3	1	2.0"	276'	T	2/#8 UF W/ GROUND
S4	1	2.0"	283'	T	2/#8 UF W/ GROUND
S5	1	2.0"	278'	T	2/#8 UF W/ GROUND
S6	1	2.0"	260'	T	2/#8 UF W/ GROUND

B = BORE, T = TRENCH, O = OPEN CUT
• EXISTING CONDUIT

CONDUIT FOR ELECTRIC SERVICE IS TO BE PLACED IN SAME TRENCH OR BORE AS ITMS CONDUIT UNLESS CONFLICTS OCCURS, IN WHICH CASE IT MAY BE PLACED SEPARATELY.

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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

SCALE
0 60 120 180
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602	BRIDGE NO.	NA
COUNTY	NEW CASTLE	DESIGNED BY:	DEM
		CHECKED BY:	DRK

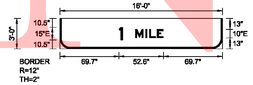
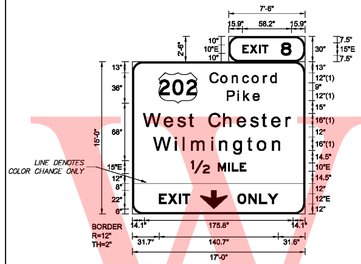
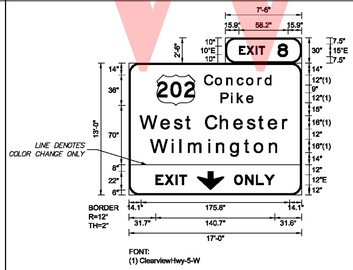
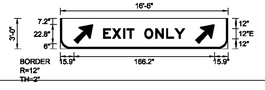
SIGNING, STRIPING & CONDUIT PLAN
SSC 12A OF 36

SHEET NO.	454
TOTAL SHTS.	482

MAJOR GUIDE SIGNS DETAIL SHEET

NOTES:

1. COLORS: B = BLACK, G = GREEN, O = ORANGE, W = WHITE, Y = YELLOW
2. FOR ARROW DETAILS, SEE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".
3. SIGN OVERLAYS SHALL BE FABRICATED OF FLAT SHEET PANELS.
4. ALL UPPER/LOWER CASE COPY SHALL BE CLEARVIEW FONT 5-W, UNLESS NOTED OTHERWISE, AND ALL UPPERCASE COPY SHALL BE SERIES E.
5. SIGNS SHOWN ON THIS PLAN SHALL BE PAID FOR UNDER ITEM 749500 "SIGN PANEL" AND ITEM 749502 "SIGN PANEL OVERLAYS ON EXISTING SIGN", AS NOTED.
6. THE DESIGN OF SIGNS SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".

PANEL DESIGNATION	SSC SHEET NO.	QUANTITY	LEGEND	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BACKGROUND	BORDER WIDTH	BORDER RADIUS	SHIELD	ARROW	REMARKS
G-1	3	1		16'-0"	3'-0"	W	G	2"	12"	N/A	C	48 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-2	3	1		7'-6" 17'-0"	2'-6" 15'-0"	W B	G Y	2"	12"	36" X 45"	C	27.375 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-3	4	1		7'-6" 17'-0"	2'-6" 13'-0"	W B	G Y	2"	12"	36" X 45"	C	23.975 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-4	4	1		17'-0"	10'-0"	W	G	2"	12"	36" X 36"	C C	17.0 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-5	4	1		16'-6"	3'-0"	B	Y	2"	12"	N/A	N N	49.50 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)

G-1

			TOTAL
15"NUM / 10"UC	SERIES E	I M I L E 69.7 5.0 15.0 11.8 4.3 9.4 7.3 69.7	192

G-2

			TOTAL
10" UC/15" NUM	SERIES E	E X I T 8 15.9 9.4 10.7 3.8 7.3 15.0 12.0 15.9	90
SHIELDS 12"UC/9"LC	CLEARVIEW 5-W	S202 C O N C O R D 33.3 45.0 12.0 13.0 13.3 12.4 11.2 13.3 8.5 8.8 33.2	204
SHIELDS 12"UC/9"LC	CLEARVIEW 5-W	S202 P I K E 33.3 45.0 32.6 12.2 7.1 11.2 8.9 53.7	204
16" UC/12" LC	CLEARVIEW 5-W	W e s t C h e s t e r 14.1 25.3 16.0 13.8 7.8 12.0 17.9 16.5 16.0 13.8 12.0 17.3 7.4 14.1	204
16" UC/12" LC	CLEARVIEW 5-W	W i l m i n g t o n 26.2 25.6 9.4 9.9 23.8 9.4 16.5 16.2 12.0 17.8 11.0 26.2	204
15" NUM/10" UC	SERIES E	½ M I L E 67.1 22.0 15.0 11.8 4.3 9.4 7.3 67.1	204
12" UC	SERIES E	E X I T V O N L Y 31.7 11.3 12.8 4.5 8.8 12.0 32.0 12.0 13.0 12.7 9.6 12.0 31.6	204

G-3

			TOTAL
10" UC/15" NUM	SERIES E	E X I T 8 15.9 9.4 10.7 3.8 7.3 15.0 12.0 15.9	90
SHIELDS 12"UC/9"LC	CLEARVIEW 5-W	S202 C O N C O R D 36.3 45.0 12.0 13.0 13.3 12.4 11.2 13.3 8.5 8.8 36.2	204
SHIELDS 12"UC/9"LC	CLEARVIEW 5-W	S202 P I K E 33.3 45.0 32.6 12.2 7.1 11.2 8.9 53.7	204
16" UC/12" LC	CLEARVIEW 5-W	W e s t C h e s t e r 14.1 25.3 16.0 13.8 7.8 12.0 17.9 16.5 16.0 13.8 12.0 17.3 7.4 14.1	204
16" UC/12" LC	CLEARVIEW 5-W	W i l m i n g t o n 26.2 25.6 9.4 9.9 23.8 9.4 16.5 16.2 12.0 17.8 11.0 26.2	204
12" UC	SERIES E	E X I T V O N L Y 31.7 11.3 12.8 4.5 8.8 12.0 32.0 12.0 13.0 12.7 9.6 12.0 31.6	204

G-4

			TOTAL
SHIELD 15"/12" UC	SERIES E	I-95 N O R T H 47.4 36.0 12.0 15.4 13.0 12.0 11.3 9.6 47.3	204
16" UC/12" LC	CLEARVIEW 5-W	P h i l a d e l p h i a 18.7 16.6 16.8 9.4 9.0 16.3 17.1 17.3 9.9 17.1 16.8 8.5 11.8 18.7	204
ARROW	TYPE C	V V 14.0 32.0 112.0 32.0 14.0	204

G-5

			TOTAL
ARROW/ 12" UC	TYPE N/ E SERIES	↗ E X I T O N L Y ↗ 15.9 22.8 12.0 11.3 12.8 4.5 8.8 12.0 13.0 12.7 9.6 12.0 12.0 22.8 15.8	198

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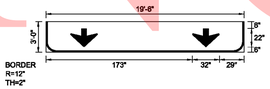
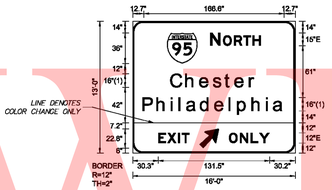
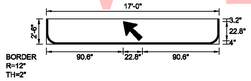
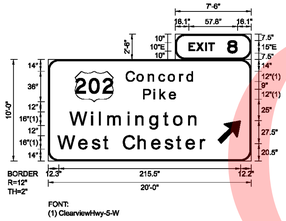
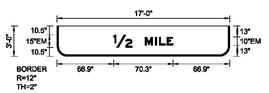
MAJOR GUIDE SIGNS DETAIL SHEET

NOTES:

1. COLORS: B = BLACK, G = GREEN, O = ORANGE, W = WHITE, Y = YELLOW
2. FOR ARROW DETAILS, SEE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".
3. SIGN OVERLAYS SHALL BE FABRICATED OF FLAT SHEET PANELS.
4. ALL UPPER/LOWER CASE COPY SHALL BE CLEARVIEW FONT 5-W, UNLESS NOTED OTHERWISE, AND ALL UPPERCASE COPY SHALL BE SERIES E.
5. SIGNS SHOWN ON THIS PLAN SHALL BE PAID FOR UNDER ITEM 749500 "SIGN PANEL" AND ITEM 749502 "SIGN PANEL OVERLAYS ON EXISTING SIGN", AS NOTED.
6. THE DESIGN OF SIGNS SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".

PANEL DESIGNATION	SSC SHEET NO.	QUANTITY	LEGEND	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BACKGROUND	BORDER WIDTH	BORDER RADIUS	SHIELD	ARROW	REMARKS
G-6	5	1		19'-6"	3'-0"	W	G	2"	12"	N/A	C C	58.50 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-7	6	1		16'-0"	13'-0"	W B	G Y	2"	12"	36" X 36"	N	208 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-8	7	1		17'-0"	2'-6"	W	G	2"	12"	N/A	N	42.50 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-9	7	1		7'-6" 20'-0"	2'-6" 10'-0"	W	G	2"	12"	36" X 45"	G	218.75 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-10	9	1		17'-0"	3'-0"	W	G	2"	12"	N/A		51.0 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)

			TOTAL
ARROW	TYPE C	V 29.0 32.0 112.0 32.0 V 29.0	234

			TOTAL
SHIELD 15"/12" UC	SERIES E	I-95 NORTH 41.4 36.0 12.0 15.4 13.0 12.0 11.3 9.6 41.3	192
16" UC/12" LC	CLEARVIEW 5-W	Chester 33.6 17.9 16.5 16.0 13.8 12.0 17.3 7.4 33.5	192
16" UC/12" LC	CLEARVIEW 5-W	Philadelphia 12.7 16.6 16.8 9.4 9.0 16.3 17.1 17.3 9.9 17.1 16.8 8.5 11.8 12.7	192
12" UC	SERIES E	EXIT ↗ ONLY 30.3 11.3 12.8 4.5 8.8 12.0 22.8 12.0 13.0 12.7 9.6 12.0 30.2	192

			TOTAL
ARROW	TYPE N	↖ 90.6 22.8 90.6	204

			TOTAL
10" UC/15" NUM	SERIES E	EXIT 8 15.9 9.4 10.7 3.8 7.3 15.0 12.0 15.9	90
SHIELD 12"UC/9"LC	CLEARVIEW 5-W	S202 Concord 31.5 45.0 12.0 13.0 13.3 12.4 11.2 13.3 8.5 8.8 71.0	240
SHIELD 12"UC/9"LC	CLEARVIEW 5-W	S202 Pike 31.5 45.0 32.6 12.2 7.1 11.2 8.9 91.5	240
16" UC/12" LC	CLEARVIEW 5-W	Wilmington 24.4 25.6 9.4 9.9 23.8 9.4 16.5 16.2 12.0 17.8 11.0 24.1 27.7 12.2	240
16" UC/12" LC	CLEARVIEW 5-W	West Chester ↗ 12.3 25.3 16.0 13.8 7.8 12.0 17.9 16.5 16.0 13.8 12.0 17.3 7.4 12.0 27.7 12.2	240

			TOTAL
15" DIGIT/10" UC	SERIES E	½ MILE 67.1 22.0 15.0 11.8 4.3 9.4 7.3 67.1	204

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

I-95 & US 202 INTERCHANGE

CONTRACT T200510602 | COUNTY NEW CASTLE | BRIDGE NO. NA | DESIGNED BY: KOC | CHECKED BY: MDL / KMC

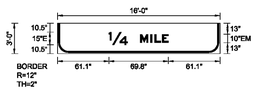
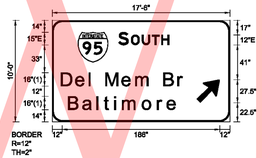
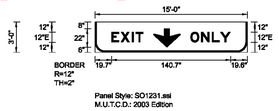
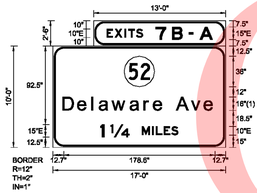
SIGNING, STRIPING & CONDUIT PLAN
SSC 14 OF 36

SHEET NO. 456 | TOTAL SHTS. 482

MAJOR GUIDE SIGN DETAIL SHEET

NOTES:

1. COLORS: B = BLACK, G = GREEN, O = ORANGE, W = WHITE, Y = YELLOW
2. FOR ARROW DETAILS, SEE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".
3. SIGN OVERLAYS SHALL BE FABRICATED OF FLAT SHEET PANELS.
4. ALL UPPER/LOWER CASE COPY SHALL BE CLEARVIEW FONT 5-W, UNLESS NOTED OTHERWISE, AND ALL UPPERCASE COPY SHALL BE SERIES E.
5. SIGNS SHOWN ON THIS PLAN SHALL BE PAID FOR UNDER ITEM 749500 "SIGN PANEL" AND ITEM 749502 "SIGN PANEL OVERLAYS ON EXISTING SIGN", AS NOTED.
6. THE DESIGN OF SIGNS SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".

PANEL DESIGNATION	SSC SHEET NO.	QUANTITY	LEGEND	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BACKGROUND	BORDER WIDTH	BORDER RADIUS	SHIELD	ARROW	REMARKS
G-11	10	1		16'-0"	3'-0"	W	G	2"	12"	N/A		48.0 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-12	11	1		17'-6"	10'-0"	W	G	2"	12"	36" X 36"	G	175.0 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-13	11	1	 Panel Style: SO1231.asi M.U.T.C.D.: 2003 Edition	15'-0"	3'-0"	B	Y	2"	12"	N/A	C	45.0 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-14	7	1		13'-0" 17'-0"	2'-6" 10'-0"	W	G	2"	12"	36" X 36"		202.50 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)

			TOTAL
15" DIGIT/10" UC	SERIES E	1/4 MILE 61.1 22.0 15.0 11.8 4.3 9.4 7.3 61.1	192

			TOTAL
SHIELD 15"/12"UC	SERIES E	I-95 SOUTH 30.2 36.0 12.0 14.7 13.0 12.0 11.3 9.6 71.2	210
16"UC/12"LC	CLEARVIEW 5-W	Del Mem Br ↗ 12.0 17.9 17.3 5.1 12.0 20.3 17.3 18.1 12.0 17.6 7.4 13.3 27.7 12.0	210
16"UC/12"LC	CLEARVIEW 5-W	Baltimore ↗ 20.5 16.6 17.0 8.3 12.3 9.4 23.5 17.8 11.4 11.8 21.7 27.7 12.0	210

			TOTAL
10" UC / ARROW	SERIES E/ TYPE C	EXIT ONLY 19.7 11.3 12.8 4.5 8.8 12.0 32.0 12.0 13.0 12.7 9.6 12.0 19.6	180

			TOTAL
10" UC/15" NUM	SERIES E	EXITS 7B-A 15.4 9.4 10.7 3.8 9.4 8.0 15.0 12.0 7.5 12.0 7.5 7.5 7.5 15.0 15.3	156
SHIELD	SHIELD	DE 52 84.0 36.0 84.0	204
16" UC/12" LC	CLEARVIEW 5-W	Delaware Ave 12.7 17.9 17.3 9.0 15.2 21.9 17.0 11.4 11.8 12.0 17.6 15.7 11.8 12.7	204
15" NUM/10"UC	SERIES E	1¼ MILE 75.6 5.0 15.0 11.8 4.3 9.4 7.3 75.6	204

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

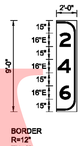
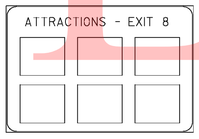
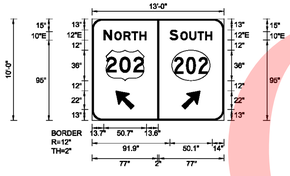
SIGNING, STRIPING & CONDUIT PLAN
SSC 15 OF 36

SHEET NO.
457
TOTAL SHTS.
482

MAJOR GUIDE SIGNS DETAIL SHEET

NOTES:

1. COLORS, B = BLACK, G = GREEN, O = ORANGE, W = WHITE, Y = YELLOW, BR = BROWN, BL = BLUE
2. FOR ARROW DETAILS, SEE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".
3. SIGN OVERLAYS SHALL BE FABRICATED OF FLAT SHEET PANELS.
4. ALL UPPER/LOWER CASE COPY SHALL BE CLEARVIEW 5-W FONT, UNLESS NOTED OTHERWISE, AND ALL UPPERCASE COPY SHALL BE SERIES E.
5. SIGNS SHOWN ON THIS PLAN SHALL FABRICATED AND PROVIDED BY DELDOT SIGN SHOP. INSTALLATION OF THESE SIGNS SHALL BE PAID FOR UNDER ITEM 749690 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON MULTIPLE SIGN POSTS.
6. THE DESIGN OF SIGNS SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".

PANEL DESIGNATION	SSC SHEET NO.	QUANTITY	LEGEND	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BACKGROUND	BORDER WIDTH	BORDER RADIUS	SHIELD	ARROW	REMARKS
G-15	8	1		2'-0"	9'-0"	W	G	2"	12"	N/A		18.0 S.F. FLAT SHEET ALUMINUM OVERLAY TYPE IX SHEETING (ITEM 749502)
G-16	4,8	2	 * SIGN FABRICATION DETAILS TO BE PROVIDED BY DELDOT	15'-0"	10'-0"	W	BR	2"	12"	N/A		150.0 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)
G-17	5	1		13'-0"	10'-0"	W	G	2"	12"	36" X 45"	N N	130.0 S.F. EXTRUDED ALUMINUM TYPE IX SHEETING (ITEM 749500)

		TOTAL
16" DIGIT	SERIES E	24
16" DIGIT	SERIES E	24
16" DIGIT	SERIES E	24

			TOTAL
12"/10" UC	SERIES E	N O R T H 13.7 12.4 10.9 10.0 9.4 8.0 12.6 2.0 12.9 11.8 10.9 10.0 9.4 8.0 14.0	156
SHIELD	SHIELD	US202 16.5 45.0 15.5 2.0 SR202 15.5 45.0 16.5	156
ARROW	TYPE N	27.6 22.8 26.6 2.0 26.6 22.8 27.6	156

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

I-95 & US 202 INTERCHANGE

CONTRACT T200510602 | COUNTY NEW CASTLE | BRIDGE NO. NA | DESIGNED BY: KOC | CHECKED BY: MDL / KMC

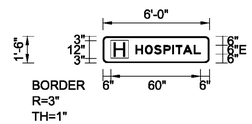
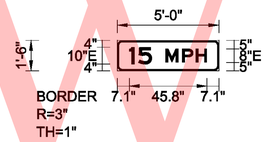
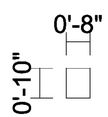
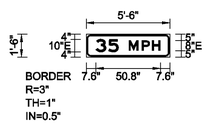
SIGNING, STRIPING & CONDUIT PLAN
SSC 16 OF 36

SHEET NO. 458 | TOTAL SHTS. 482

NOTES:

1. COLORS: B - BLACK, G - GREEN, O - ORANGE, W - WHITE, Y - YELLOW, BR - BROWN, BL - BLUE
2. FOR ARROW DETAILS, SEE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".
3. SIGN OVERLAYS SHALL BE FABRICATED OF FLAT SHEET PANELS.
4. ALL UPPER/LOWER CASE COPY SHALL BE CLEARVIEW 5-W FONT, UNLESS NOTED OTHERWISE, AND ALL UPPERCASE COPY SHALL BE SERIES E.
5. SIGNS SHOWN ON THIS PLAN SHALL FABRICATED AND PROVIDED BY DELDOT SIGN SHOP AND INSTALLED BY THE CONTRACTOR. INSTALLATION OF THESE SIGNS SHALL BE PAID FOR UNDER ITEM 749690 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON MULTIPLE SIGN POSTS.
6. THE DESIGN OF SIGNS SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FHWA PUBLICATION "STANDARD HIGHWAY SIGNS BOOK".

SPECIAL POST-MOUNTED SIGNS DETAIL SHEET

PANEL DESIGNATION	SPM SHEET NO.	QUANTITY	LEGEND	SIZE WIDTH	SIZE HEIGHT	COLOR LEGEND	COLOR BACKGROUND	BORDER WIDTH	BORDER RADIUS	SHIELD	ARROW	REMARKS
S-1	5,7	2	 FOR "H" SYMBOL DETAILS, SEE FHWA STANDARD HIGHWAY SIGNS BOOK SYM / 6" UC | SERIES E | H H O S P I T A L 6.0 12.0 4.2 6.3 6.2 6.3 6.3 2.3 4.8 7.2 4.4 6.0 | TOTAL 72	6'-0"	1'-6"	W	BL	1"	3"	N/A		18.0 S.F. FLAT SHEET ALUMINUM TYPE III SHEETING
S-2	6,11	2	 10" DIGIT/8" UC | SERIES E | 1 5 M P H 7.1 5.6 8.0 8.0 9.4 8.4 6.4 7.1 | TOTAL 60	5'-0"	1'-6"	B	Y	1"	3"	N/A		15.0 S.F. FLAT SHEET ALUMINUM TYPE III SHEETING
S-3	9	2		0'-8"	0'-10"	N/A	BL	N/A	N/A	N/A		1.11 S.F. FLAT SHEET ALUMINUM TYPE III SHEETING
S-4	10,11	2	 10" DIGIT/8" UC | SERIES E | 3 5 M P H 7.6 10.6 8.0 8.0 9.4 8.4 6.4 7.6 | TOTAL 66	5'-6"	1'-6"	B	Y	1"	3"	N/A		16.5 S.F. FLAT SHEET ALUMINUM TYPE III SHEETING

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

I-95 & US 202 INTERCHANGE

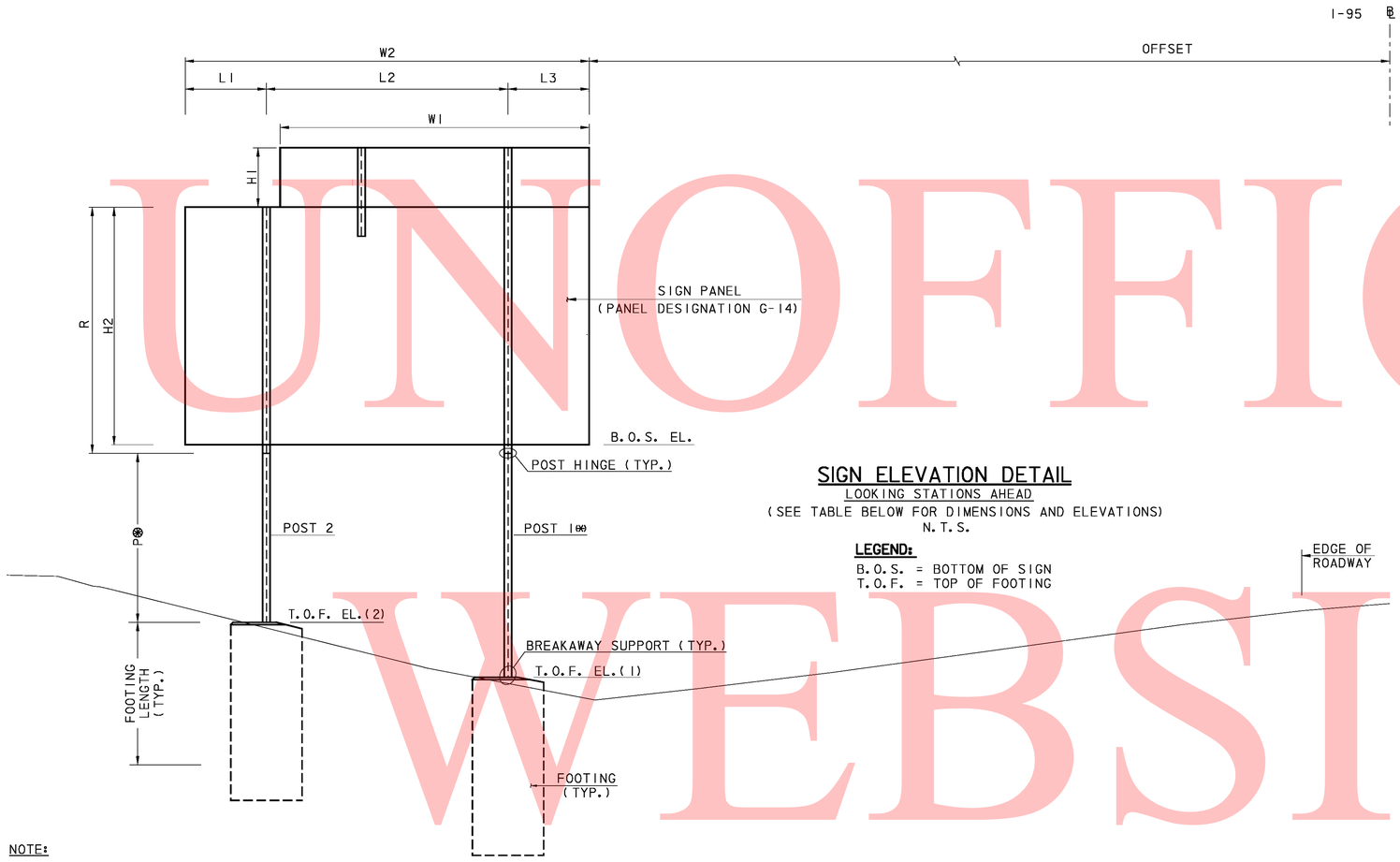
CONTRACT T200510602
COUNTY NEW CASTLE
BRIDGE NO. NA
DESIGNED BY: KOC
CHECKED BY: MDL / KMC

SIGNING, STRIPING & CONDUIT PLAN
SSC 17 OF 36

SHEET NO. 459
TOTAL SHTS. 482

GROUND MOUNT SIGNS
INTERSTATE 95–SB STA. 301+00

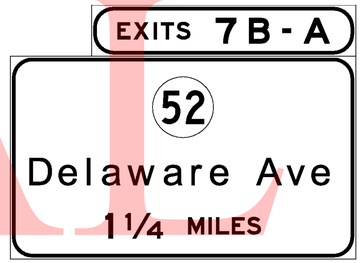
ELEVATION AND DETAILS



SIGN ELEVATION DETAIL
LOOKING STATIONS AHEAD
(SEE TABLE BELOW FOR DIMENSIONS AND ELEVATIONS)
N.T.S.

LEGEND:
B.O.S. = BOTTOM OF SIGN
T.O.F. = TOP OF FOOTING

NOTE:
(X) POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
⊛ FROM T.O.F. TO POST HINGE



SIGN SCHEMATIC
N.T.S.

TABULATION OF QUANTITIES
(FOR INFORMATION ONLY-SEE NOTE BELOW)

ITEM	DESCRIPTION	UNIT	QUANTITY (PANEL DESIGNATION) G-14
749519	REINFORCED CONCRETE SIGN FOUNDATION, W-12	EA	2
749524	SUPPLY OF BREAKAWAY I-BEAM SIGN POSTS, W-12	LF	40
749535	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	2
749536	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	2
749537	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	2
749550	INSTALLATION OF BREAKAWAY I-BEAM POSTS	EA	2

TABLE OF SIGN PANEL DIMENSIONS AND LAYOUT

PANEL DESIGNATION	LOCATION	OFFSET	H1	W1	H2	W2	NO. OF POSTS	L1	L2	L3	B.O.S. EL.	POST SIZE	POST 1 P	POST 2 P	R	POST 1 ⊛ BRACKET NO.	POST 2 ⊛ BRACKET NO.	FOOTING DIA.	FOOTING LENGTH	T.O.F. EL.(1)	T.O.F. EL.(2)
G-14	I-95 SB STA 301+00	95.47' L	2'-6"	13'-0"	10'-0"	17'-0"	2	3'-5"	10'-2"	3'-5"	200.47'	W12x26	9'-6 3/8"	7'-2 1/2"	10'-3 1/4"	2	2	3'-0"	7'-6"	190.67'	192.98'

NOTES:

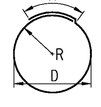
- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONS FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
- ALL ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
- ALL ELEVATIONS SHOWN ARE BASED ON AN ASSUMED DATUM.
- SIGN PANELS, ATTACHMENT HARDWARE, AND INSTALLATION OF SIGN PANEL ON SUPPORTS ARE PAID UNDER ITEM 749500, SIGN PANEL. SEE SPECIAL PROVISIONS.
- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

REINFORCEMENT BAR SCHEDULE
(FOR INFORMATION ONLY)

PANEL DESIGNATION	MARK	SIZE	LENGTH	NUMBER OF BARS TOTAL	NUMBER OF BARS PER CAISSON	TYPE	A	B	C	D	E	F	G	H	J	K	R
G-14	F401	4	9 - 04 0	18	9	18	1-06 0			2-6 0							1-3 0
	F501	5	7 - 00 0	16	8	STR.											

- ALL REINFORCEMENT BARS ARE GRADE 60.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD I35 AND I80 HOOKS, AND "R", WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- BARS ARE TO 1/8" ACCURACY.
- FOOTING REINFORCEMENT IS INCIDENTAL TO ITEM 749519 - REINFORCED CONCRETE SIGN FOUNDATION, W-12

BAR TYPES



TYPE 18

UNOFFICIAL WEBSITE COPY

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

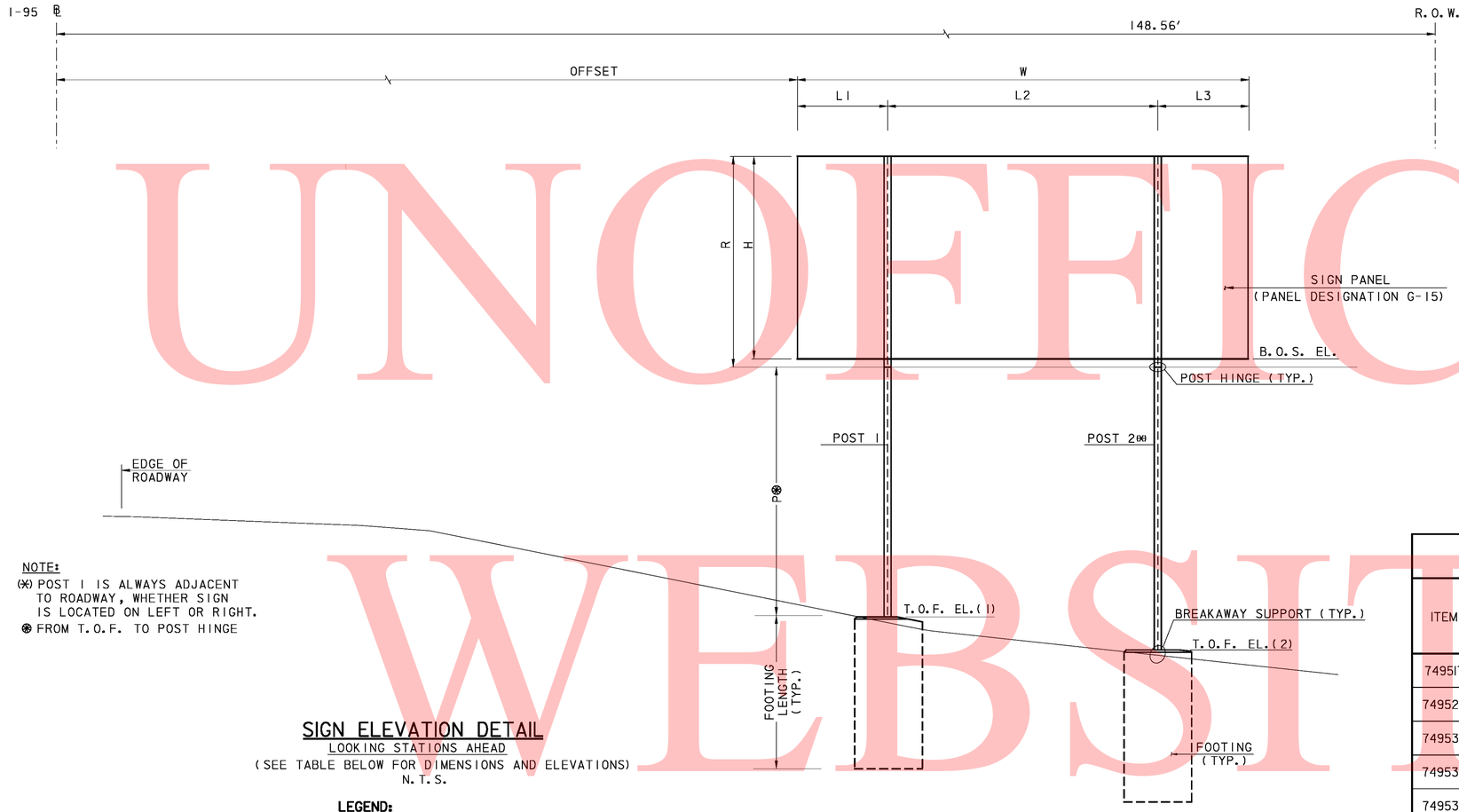
SIGNING, STRIPING & CONDUIT PLAN
SSC 18 OF 36

SHEET NO.
460
TOTAL SHTS.
482

8/18/2010
\\highdart\eng\deldot\4625 (dz)\07 (contract 5)\submissions\00-in-progress\ssc\sheet files\SSI95IB-C5.dgn

GROUND MOUNT SIGNS
INTERSTATE 95–NB STA. 322+20

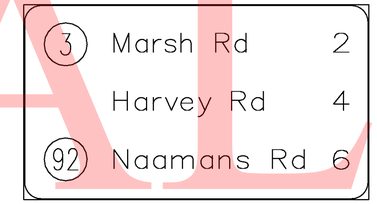
ELEVATION AND DETAILS



SIGN ELEVATION DETAIL
LOOKING STATIONS AHEAD
(SEE TABLE BELOW FOR DIMENSIONS AND ELEVATIONS)
N.T.S.

LEGEND:
B.O.S. = BOTTOM OF SIGN
T.O.F. = TOP OF FOOTING

NOTE:
(X) POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
℗ FROM T.O.F. TO POST HINGE



SIGN SCHEMATIC
N.T.S.

TABULATION OF QUANTITIES
(FOR INFORMATION ONLY-SEE NOTE BELOW)

ITEM	DESCRIPTION	UNIT	QUANTITY (PANEL DESIGNATION) G-15
749517	REINFORCED CONCRETE SIGN FOUNDATION, W-8	EA	2
749522	SUPPLY OF BREAKAWAY I-BEAM SIGN POSTS, W-8	LF	43
749535	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	2
749536	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	2
749537	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	2
749550	INSTALLATION OF BREAKAWAY I-BEAM POSTS	EA	2

TABLE OF SIGN PANEL DIMENSIONS AND LAYOUT

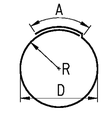
PANEL DESIGNATION	LOCATION	OFFSET	H	W	NO. OF POSTS	L1	L2	L3	B.O.S. EL.	POST SIZE	POST 1 ℗	POST 2 ℗	R	POST 1 ℗ BRACKET NO.	POST 2 ℗ BRACKET NO.	FOOTING DIA.	FOOTING LENGTH	T.O.F. EL.(1)	T.O.F. EL.(2)
G-15	I-95 NB STA 322+20	95.82'	9'-0"	20'-0"	2	4'-0"	12'-0"	4'-0"	210.81'	W8x21	11'-1½"	12'-7⅞"	9'-3¼"	2	1	3'-0"	6'-9"	199.35'	197.88'

REINFORCEMENT BAR SCHEDULE
(FOR INFORMATION ONLY)

PANEL DESIGNATION	MARK	SIZE	LENGTH	NUMBER OF BARS TOTAL	NUMBER OF BARS PER CAISSON	TYPE	A	B	C	D	E	F	G	H	J	K	R
G-15	F401	4	9 - 04 0	16	8	18	1-06 0			2-06 0							1-03 0
	F501	5	6 - 03 0	16	8	STR.											

- ALL REINFORCEMENT BARS ARE GRADE 60.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R", WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- BARS ARE TO 1/8" ACCURACY.
- FOOTING REINFORCEMENT IS INCIDENTAL TO ITEM 749517 - REINFORCED CONCRETE SIGN FOUNDATION, W-8

BAR TYPES



TYPE 18

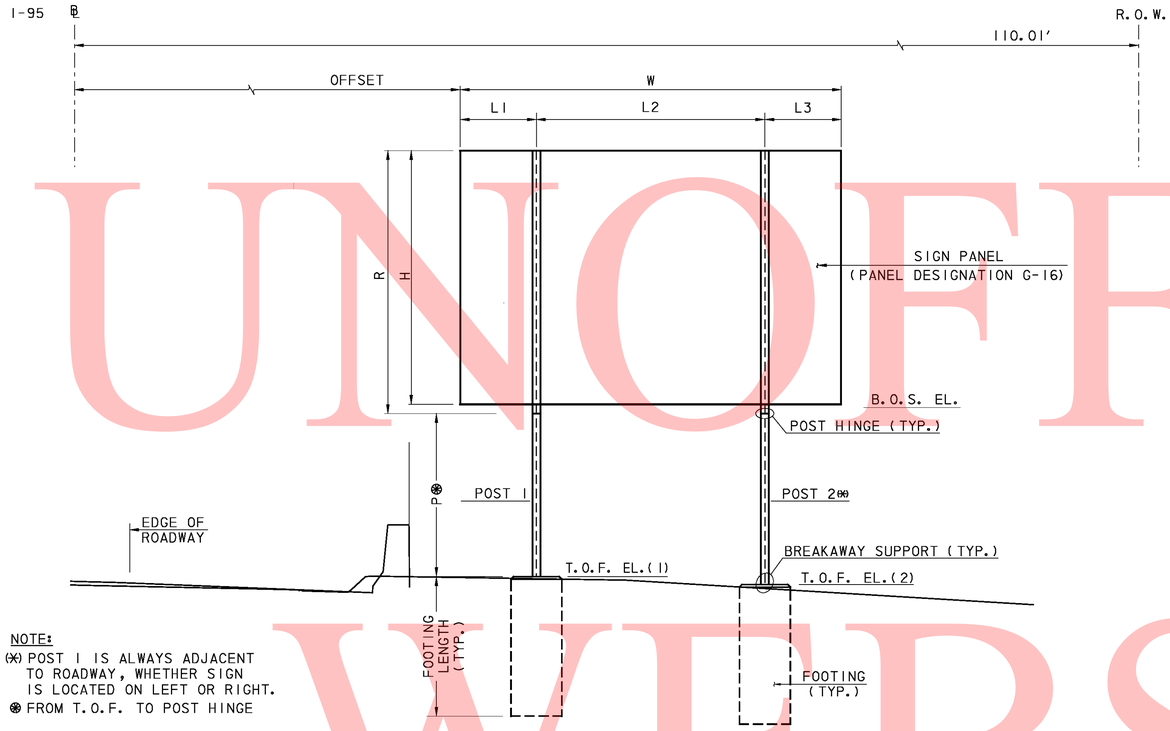
NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONS FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
- ALL ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
- ALL ELEVATIONS SHOWN ARE BASED ON AN ASSUMED DATUM.
- SIGN PANELS, ATTACHMENT HARDWARE AND INSTALLATION OF SIGN PANEL ON SUPPORTS ARE PAID UNDER ITEM 749500, SIGN PANEL. SEE SPECIAL PROVISIONS.
- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

UNOFFICAL WEBSITE COPY

GROUND MOUNT SIGNS
INTERSTATE 95–NB STA. 503+50

ELEVATION AND DETAILS

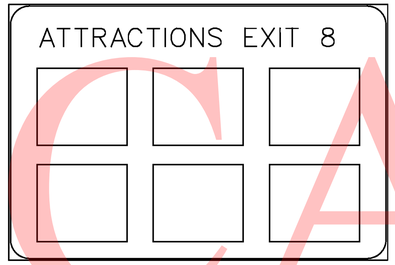


NOTE:
(⊛) POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
⊛ FROM T.O.F. TO POST HINGE

SIGN ELEVATION DETAIL

LOOKING STATIONS AHEAD
(SEE TABLE BELOW FOR DIMENSIONS AND ELEVATIONS)
N.T.S.

LEGEND:
B.O.S. = BOTTOM OF SIGN
T.O.F. = TOP OF FOOTING



SIGN SCHEMATIC

N.T.S.

TABULATION OF QUANTITIES
(FOR INFORMATION ONLY-SEE NOTE BELOW)

ITEM	DESCRIPTION	UNIT	QUANTITY (PANEL DESIGNATION) G-16
749516	REINFORCED CONCRETE SIGN FOUNDATION, W-6	EA	2
749521	SUPPLY OF BREAKAWAY I-BEAM SIGN POSTS, W-6	LF	34
749535	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	2
749536	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	2
749537	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	2
749550	INSTALLATION OF BREAKAWAY I-BEAM POSTS	EA	2

TABLE OF SIGN PANEL DIMENSIONS AND LAYOUT

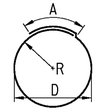
PANEL DESIGNATION	LOCATION	OFFSET	H	W	NO. OF POSTS	L1	L2	L3	B.O.S. EL.	POST SIZE	POST 1 P	POST 2 P	R	POST 1 ⊛ BRACKET NO.	POST 2 ⊛ BRACKET NO.	FOOTING DIA.	FOOTING LENGTH	T.O.F. EL.(1)	T.O.F. EL.(2)
G-16	I-95 NB STA 503+50	50.00' R	10'-0"	15'-0"	2	3'-0"	9'-0"	3'-0"	102.46'	W6x15	6'-6 1/4"	6'-10"	10'-3 1/4"	2	2	2'-0"	5'-6"	95.66'	95.35'

REINFORCEMENT BAR SCHEDULE
(FOR INFORMATION ONLY)

PANEL DESIGNATION	MARK	SIZE	LENGTH	NUMBER OF BARS TOTAL	NUMBER OF BARS PER CAISSON	TYPE	A	B	C	D	E	F	G	H	J	K	R
G-16	F401	4	6 - 03.0	14	7	18	1-06.0			1-06.0							0-08.0
	F501	5	5 - 00.0	16	8	STR.											

- ALL REINFORCEMENT BARS ARE GRADE 60.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135 AND 180 HOOKS, AND "R", WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- BARS ARE TO 1/8" ACCURACY.
- FOOTING REINFORCEMENT IS INCIDENTAL TO ITEM 749516 - REINFORCED CONCRETE SIGN FOUNDATION, W-6

BAR TYPES



TYPE 18

NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONS FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
- ALL ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
- ALL ELEVATIONS SHOWN ARE BASED ON AN ASSUMED DATUM.
- SIGN PANELS, ATTACHMENT HARDWARE AND INSTALLATION OF SIGN PANEL ON SUPPORTS ARE PAID UNDER ITEM 749500, SIGN PANEL. SEE SPECIAL PROVISIONS.
- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

UNOFFICIAL WEBSITE COPY

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8/18/2010

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE

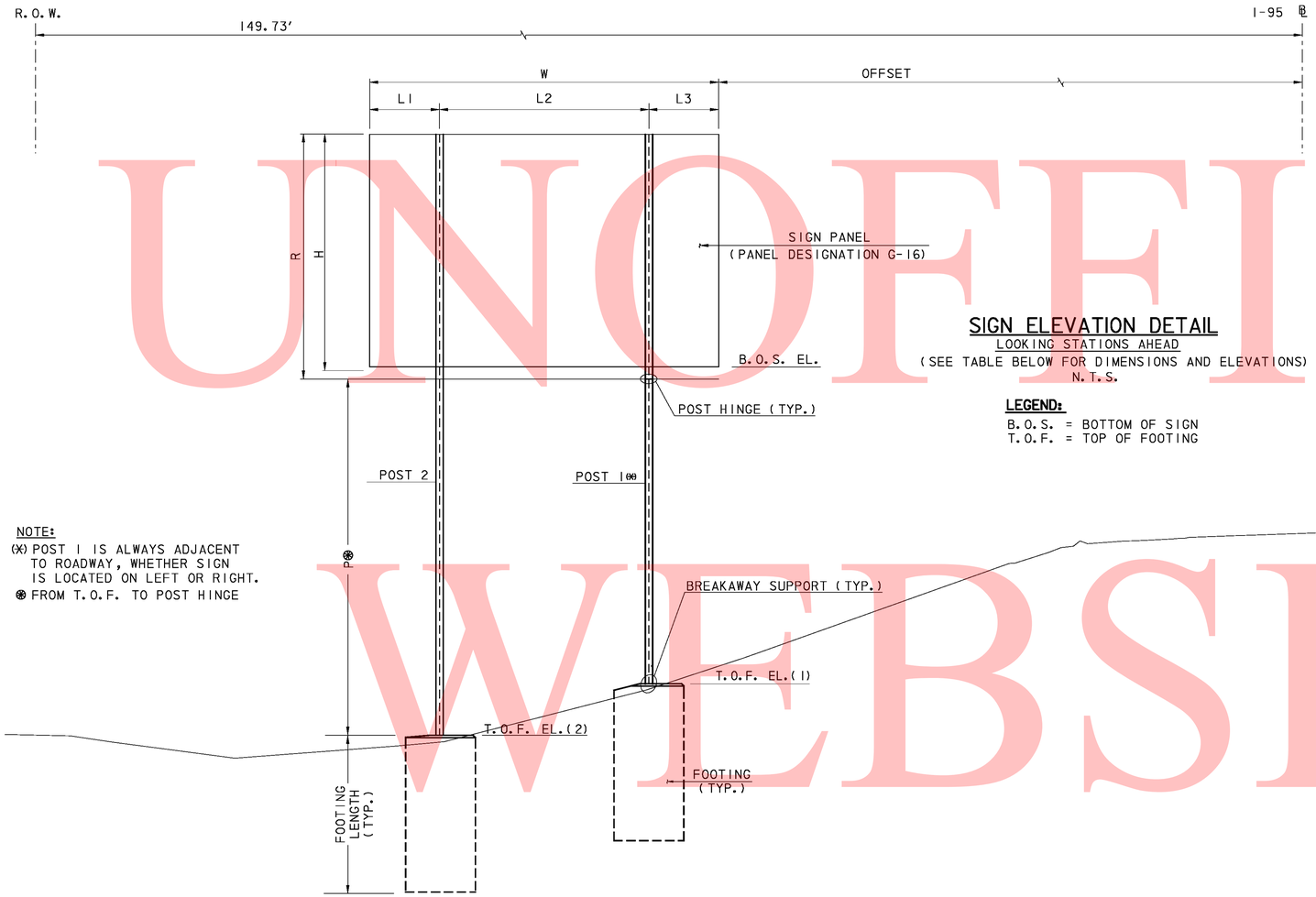
BRIDGE NO.	NA
DESIGNED BY:	KOC
CHECKED BY:	MDL / KMC

SIGNING, STRIPING & CONDUIT PLAN
SSC 20 OF 36

SHEET NO.	462
TOTAL SHTS.	482

GROUND MOUNT SIGNS
INTERSTATE 95–SB STA. 325+50

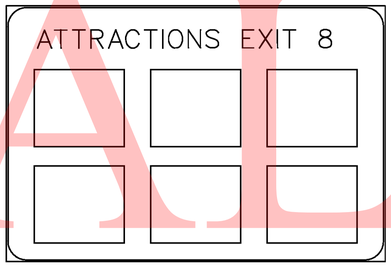
ELEVATION AND DETAILS



SIGN ELEVATION DETAIL
LOOKING STATIONS AHEAD
(SEE TABLE BELOW FOR DIMENSIONS AND ELEVATIONS)
N.T.S.

LEGEND:
B.O.S. = BOTTOM OF SIGN
T.O.F. = TOP OF FOOTING

NOTE:
(X) POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
⊛ FROM T.O.F. TO POST HINGE



SIGN SCHEMATIC
N.T.S.

TABULATION OF QUANTITIES
(FOR INFORMATION ONLY-SEE NOTE BELOW)

ITEM	DESCRIPTION	UNIT	QUANTITY (PANEL DESIGNATION) G-16
749518	REINFORCED CONCRETE SIGN FOUNDATION, W-10	EA	2
749523	SUPPLY OF BREAKAWAY I-BEAM SIGN POSTS, W-10	LF	50
749535	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	2
749536	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	2
749537	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	2
749550	INSTALLATION OF BREAKAWAY I-BEAM POSTS	EA	2

TABLE OF SIGN PANEL DIMENSIONS AND LAYOUT

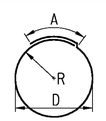
PANEL DESIGNATION	LOCATION	OFFSET	H	W	NO. OF POSTS	L1	L2	L3	B.O.S. EL.	POST SIZE	POST 1 P	POST 2 P	R	POST 1 ⊛ BRACKET NO.	POST 2 ⊛ BRACKET NO.	FOOTING DIA.	FOOTING LENGTH	T.O.F. EL.(1)	T.O.F. EL.(2)
G-16	I-95 SB STA 325+50	96.11'	10'-0"	15'-0"	2	3'-0"	9'-0"	3'-0"	216.83	W10x26	13'-4 1/4"	15'-6 3/4"	10'-3 1/4"	1	1	3'-0"	6'-9"	203.20	201.00

REINFORCEMENT BAR SCHEDULE
(FOR INFORMATION ONLY)

PANEL DESIGNATION	MARK	SIZE	LENGTH	NUMBER OF BARS TOTAL	NUMBER OF BARS PER CAISSON	TYPE	A	B	C	D	E	F	G	H	J	K	R
G-16	F401	4	9 - 04 | 0	16	8	18	1-06 | 0	|	|	2-06 | 0	|	|	|	|	|	|	1-03 | 0
	F501	5	6 - 03 | 0	16	8	STR.	|	|	|	|	|	|	|	|	|	|	|

- ALL REINFORCEMENT BARS ARE GRADE 60.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R", WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- BARS ARE TO 1/8" ACCURACY.
- FOOTING REINFORCEMENT IS INCIDENTAL TO ITEM 749518 - REINFORCED CONCRETE SIGN FOUNDATION, W-10.

BAR TYPES



TYPE 18

NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONG FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
- ALL ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
- ALL ELEVATIONS SHOWN ARE BASED ON AN ASSUMED DATUM.
- SIGN PANELS, ATTACHMENT HARDWARE AND INSTALLATION OF SIGN PANEL ON SUPPORTS ARE PAID UNDER ITEM 749500, SIGN PANEL. SEE SPECIAL PROVISIONS.
- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

I-95 & US 202 INTERCHANGE

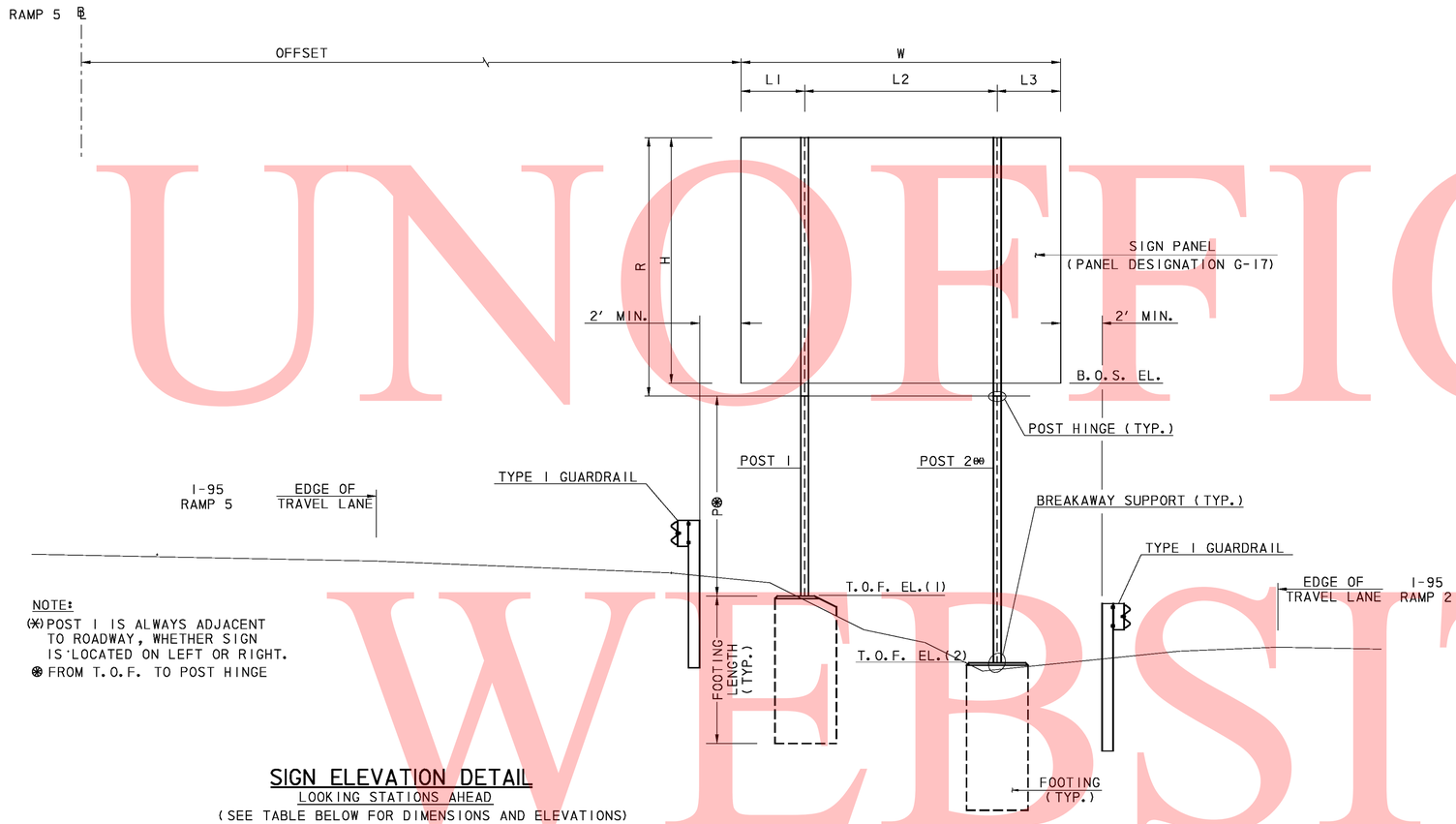
CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN
SSC 21 OF 36

SHEET NO.
463
TOTAL SHTS.
482

GROUND MOUNT SIGNS
RAMP 5 STA. 31+50

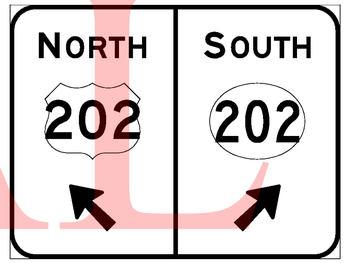
ELEVATION AND DETAILS



NOTE:
(㊀) POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
㊉ FROM T.O.F. TO POST HINGE

SIGN ELEVATION DETAIL
LOOKING STATIONS AHEAD
(SEE TABLE BELOW FOR DIMENSIONS AND ELEVATIONS)
N.T.S.

LEGEND:
B.O.S. = BOTTOM OF SIGN
T.O.F. = TOP OF FOOTING



SIGN SCHEMATIC
N.T.S.

TABULATION OF QUANTITIES
(FOR INFORMATION ONLY-SEE NOTE BELOW)

ITEM	DESCRIPTION	UNIT	QUANTITY (PANEL DESIGNATION)
			G-17
749517	REINFORCED CONCRETE SIGN FOUNDATION, W-8	EA	2
749522	SUPPLY OF BREAKAWAY I-BEAM SIGN POSTS, W-8	LF	40
749535	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	2
749536	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	2
749537	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	2
749550	INSTALLATION OF BREAKAWAY I-BEAM POSTS	EA	2

TABLE OF SIGN PANEL DIMENSIONS AND LAYOUT

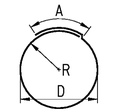
PANEL DESIGNATION	LOCATION	OFFSET	H	W	NO. OF POSTS	L1	L2	L3	B.O.S. EL.	POST SIZE	POST 1 P	POST 2 P	R	POST 1 ㊉ BRACKET NO.	POST 2 ㊉ BRACKET NO.	FOOTING DIA.	FOOTING LENGTH	T.O.F. EL.(1)	T.O.F. EL.(2)
G-17	RAMP 5 STA 31+50	26.84′	10′-0"	13′-0"	2	2′-7"	7′-10"	2′-7"	163.45′	W8x21	8′-4¾"	11′-11¼"	10′-3¼"	2	1	2′-6"	6′-0"	154.78′	152.07′

REINFORCEMENT BAR SCHEDULE
(FOR INFORMATION ONLY)

PANEL DESIGNATION	MARK	SIZE	LENGTH	NUMBER OF BARS TOTAL	NUMBER OF BARS PER CAISSON	TYPE	A	B	C	D	E	F	G	H	J	K	R
S-8	F401	4	7 - 09 | 0	14	7	18	1-06 | 0			2-0 | 0							1-0 | 0
	F501	5	5 - 06 | 0	16	8	STR.											

- ALL REINFORCEMENT BARS ARE GRADE 60.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "C" ON STANDARD 135° AND 180° HOOKS, AND "R", WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- BARS ARE TO ⅛" ACCURACY.
- FOOTING REINFORCEMENT IS INCIDENTAL TO ITEM 749517 - REINFORCED CONCRETE SIGN FOUNDATION, W-8.

BAR TYPES



TYPE 18

NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONS FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
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- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

I-95 & US 202 INTERCHANGE

CONTRACT	BRIDGE NO.	NA
T200510602	DESIGNED BY:	KOC
COUNTY	CHECKED BY:	MDL / KMC
NEW CASTLE		

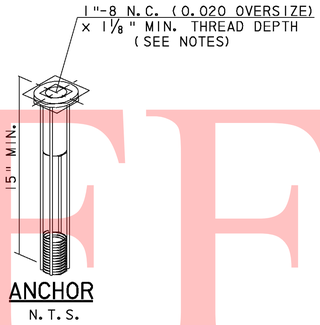
SIGNING, STRIPING & CONDUIT PLAN
SSC 22 OF 36

SHEET NO.
464
TOTAL SHTS.
482

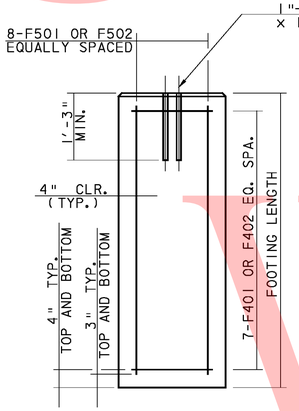
GROUND MOUNT SIGNS

DETAILS

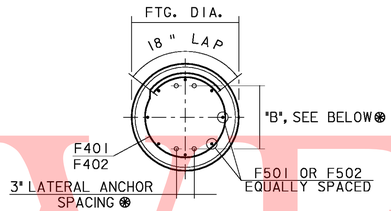
UNOFFICAL WEBSITE COPY



ANCHOR
N.T.S.

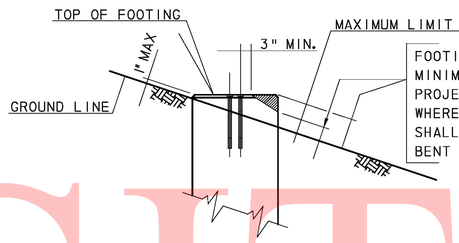


SIDE VIEW



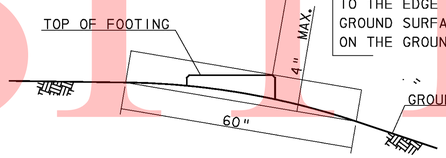
PLAN VIEW

B (LONGITUDINAL ANCHOR SPACING):
BRACKET #1 = DEPTH OF POST SECTION PLUS 7 15/16"
BRACKET #2 = DEPTH OF POST SECTION PLUS 8 1/16"
BRACKET #3 = DEPTH OF POST SECTION PLUS 8 1/8"
⊛ APPROXIMATE DIMENSIONS, SEE NOTES.



FOOTING PROJECTING ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4" ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE SHADED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.

TO AVOID UNDERCARRIAGE SNAGGING ON CONVEX GROUND PROFILES, THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4" ABOVE ANY 60" CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.



NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AUGUST 2001, ANSI/AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.
- PROVIDE AASHTO M270 (ASTM A572) GRADE 50 STRUCTURAL STEEL FOR W-SHAPES.
- PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF AASHTO M31 (ASTM A615) FOR CONCRETE REINFORCEMENT.
- PROVIDE AASHTO M164 (ASTM A-325) H.S. BOLTS.
- PROVIDE 304 STAINLESS STEEL ANCHORS WITH 1053 STEEL ROD AND COIL.
- EXACT DIMENSIONG FOR LATERAL AND LONGITUDINAL SPACING OF THE ANCHORS SHOULD BE OBTAINED FROM THE MANUFACTURER PRIOR TO PLACEMENT OF THE ANCHORS.
- TO INSURE PROPER SPACING OF THE ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID MACHINED TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- USE CLASS B (f'c = 3000 PSI) CEMENT CONCRETE IN ALL FOOTINGS.
- GALVANIZE ALL STRUCTURAL STEEL IN ACCORDANCE WITH SPECIFICATIONS.
- ALL ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
- ALL ELEVATIONS SHOWN ARE BASED ON AN ASSUMED DATUM.
- SIGN PANELS, ATTACHMENT HARDWARE AND INSTALLATION OF SIGN PANEL ON SUPPORTS ARE PAID UNDER ITEM 749500, SIGN PANEL. SEE SPECIAL PROVISIONS.
- "PANEL DESIGNATION" REFERENCES SIGN DETAIL SHEET.
- FOR ADDITIONAL DETAILS OF BREAKAWAY ASSEMBLY, SEE SHEET 24.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 23 OF 36	SHEET NO. 465
				COUNTY NEW CASTLE	DESIGNED BY: KOC		TOTAL SHTS. 482
					CHECKED BY: MDL / KMC		

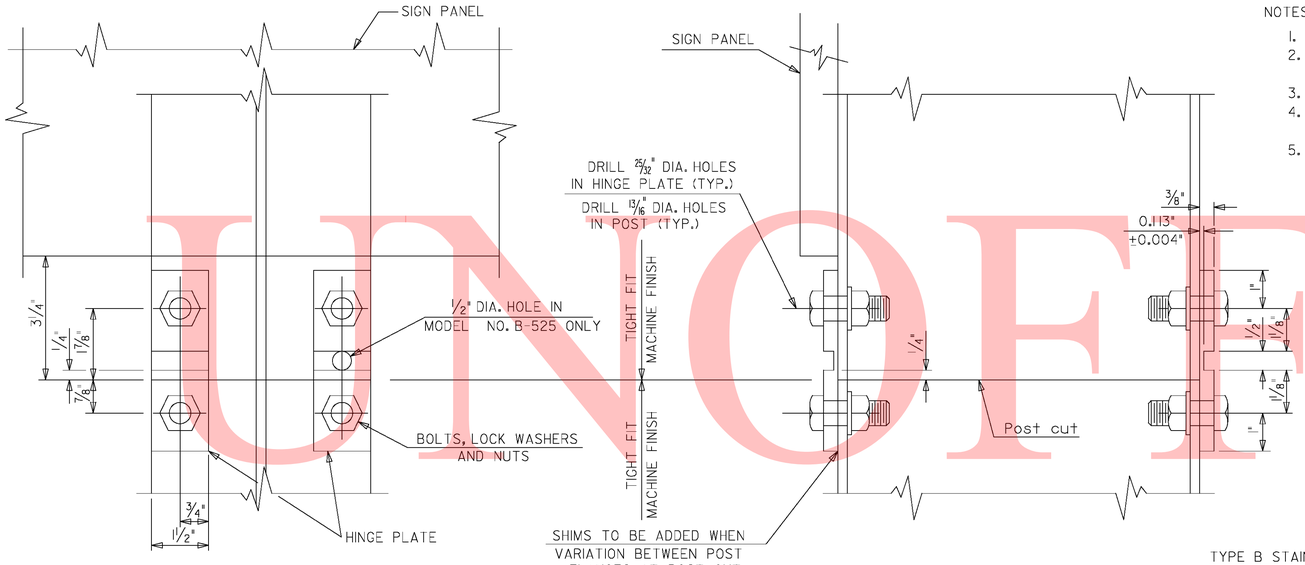
GROUND MOUNT SIGNS

DETAILS

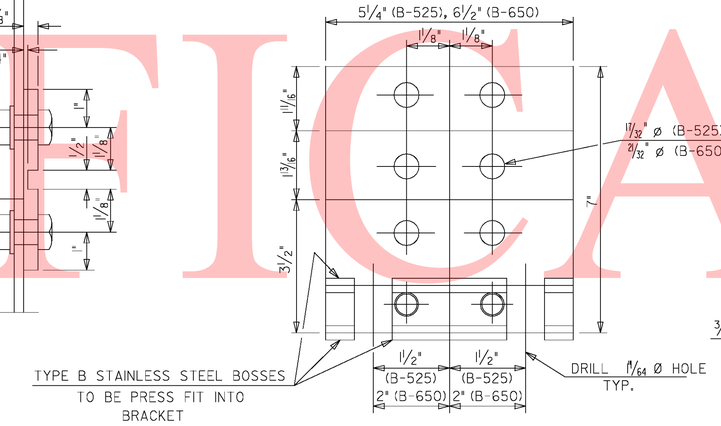
NOTES:

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 SHEET NO. 23
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

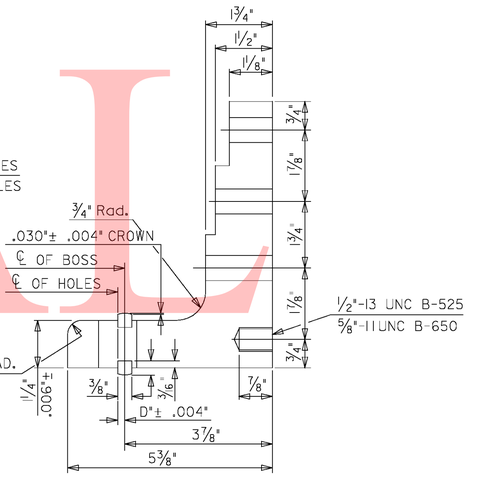


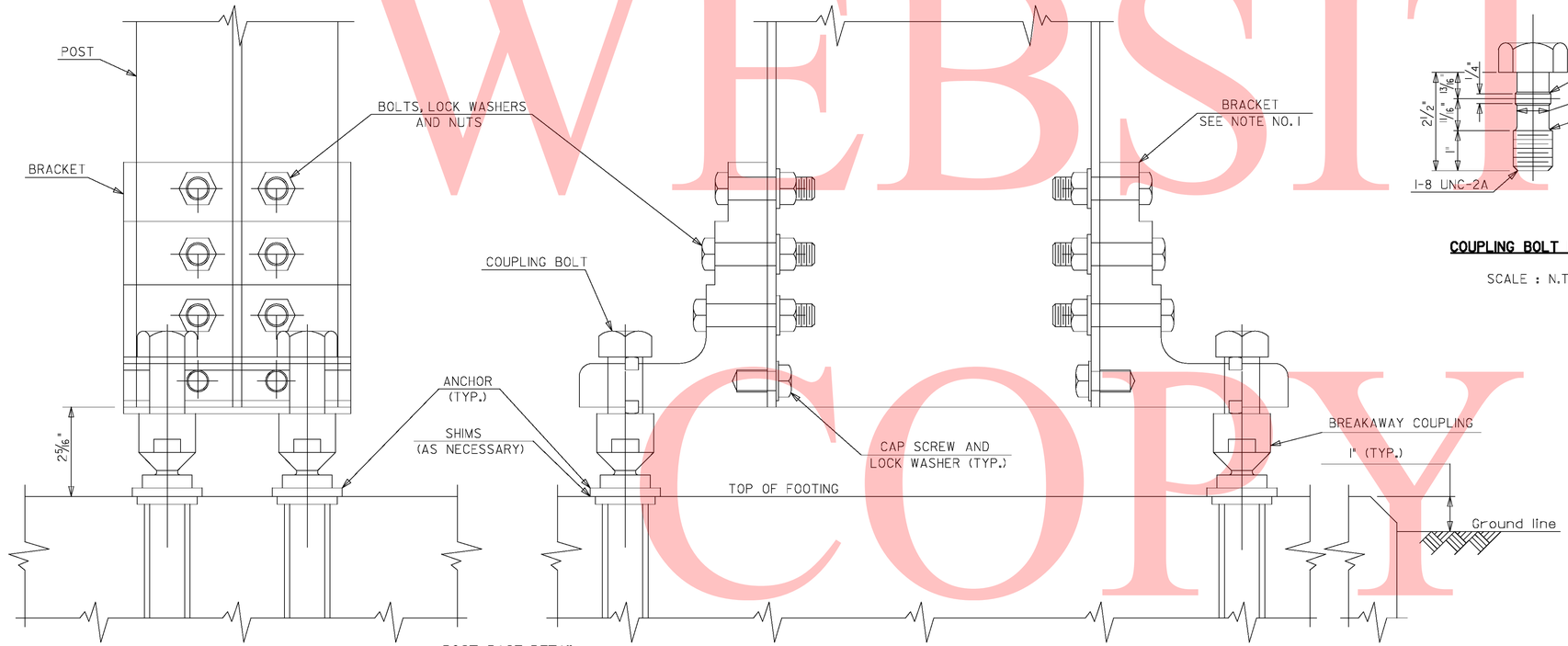
POST HINGE DETAIL



BRACKET DETAIL

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





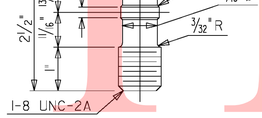
FRONT VIEW

POST BASE DETAIL

SIDE VIEW

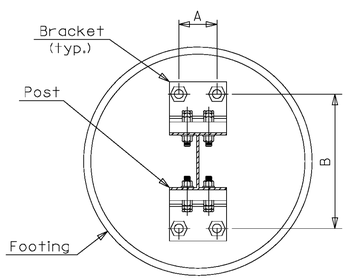
BREAKAWAY ASSEMBLIES

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



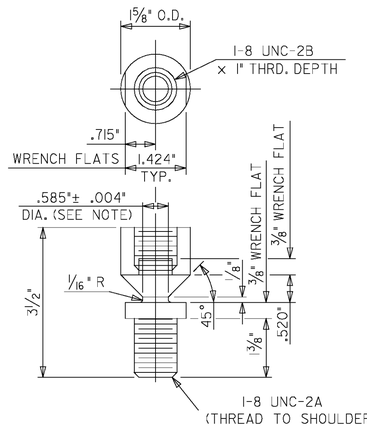
COUPLING BOLT DETAIL

SCALE : N.T.S.



PLAN VIEW

SCALE : N.T.S.

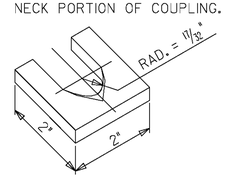


TYPE B - BREAKAWAY

COUPLING DETAIL

SCALE : N.T.S.

NOTE: DO NOT PLACE TORQUE ACROSS NECK PORTION OF COUPLING.



SHIM DETAIL

SCALE : N.T.S.

NOTE : 14 OR 18 GAGE GALVANIZED STEEL SHEET

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8/18/2010

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. NA	SIGNING, STRIPING & CONDUIT PLAN SSC 24 OF 36	SHEET NO. 466
				COUNTY NEW CASTLE	DESIGNED BY: KOC		TOTAL SHTS. 482
					CHECKED BY: MDL / KMC		

INDEX OF SIGN STRUCTURE SHEETS	
SHEET Nº	TABLE OF CONTENTS
467	SIGN STRUCTURE NOTES
468	SC 1242 & 1235 PLAN & ELEVATION
469	SC 1042 & 1236 PLAN & ELEVATION
470	SO 1044 PLAN & ELEVATION
471	SO 1238 PLAN & ELEVATION
472	SO 1035 PLAN & ELEVATION
473	SO 1036 PLAN & ELEVATION
474	FOUNDATION DETAILS
475	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 1 OF 2
476	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 2 OF 2
477	OVERHEAD SIGN STRUCTURE DETAILS, SHEET 1 OF 2
478	OVERHEAD SIGN STRUCTURE DETAILS, SHEET 2 OF 2
	TOTAL SIGN STRUCTURE SHEETS: 12

SIGN STRUCTURE SCHEDULE					
STRUCTURE NUMBER	ELEMENT	DIAMETER (IN)	THICKNESS (IN)	LENGTH (FT)	CAMBER (IN)
SC 1242/ SC 1235	POST	26	3/4	26.42	1.07/
	CHORD	16	1/2	25.75	1.05
	STRUT	5	3/8	VARIES	
	GUSSET PLATE	N.A.	1/2	VARIES	
SC 1042	POST	26	3/4	26.42	1.86
	CHORD	16	1/2	32.75	
	STRUT	5	3/8	VARIES	
	GUSSET PLATE	N.A.	1/2	VARIES	
SO 1044/ SO 1238	POST	20	3/4	26.58	0.60/
	CHORD	10	1/2	VARIES	0.93
	STRUT	3 1/2	1/4	VARIES	
	GUSSET PLATE	N.A.	1/2	VARIES	
SO 1035/ SO 1036	POST	20	3/4	28.0	3.11/
	CHORD	16	3/4	VARIES	2.32
	STRUT	3 1/2	1/4	VARIES	
	GUSSET PLATE	N.A.	3/4	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
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.

FOUNDATIONS

FOUNDATIONS SHALL BE DRILLED SHAFTS IN SOIL AND/OR ROCK. CANTILEVERED SIGN STRUCTURES SHALL HAVE A DIAMETER OF 4'-6". OVERHEAD SIGN STRUCTURES SHALL HAVE A DIAMETER OF 4'-0".
ALTERNATE FOUNDATION TYPE MAY BE SUBMITTED FOR APPROVAL.
ROCK SHALL BE CLASSIFIED AS PER SUBSECTION 206.02 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS ADVISED THAT THE ROCK ENCOUNTERED ON THE PROJECT WILL BE EXTREMELY HARD. IT IS COMMONLY REFERRED TO AS "WILMINGTON BLUE GNEISS (GRANITE)". EQUIPMENT CAPABLE OF DRILLING AND/OR EXCAVATING THIS TYPE OF ROCK SHALL BE UTILIZED BY THE CONTRACTOR. NO CLAIM FROM THE CONTRACTOR FOR FAILING TO ANTICIPATE THE HARDNESS OF THE ROCK ENCOUNTERED WILL BE CONSIDERED BY THE DEPARTMENT. THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR DETERMINING THE TYPE AND SIZE OF THE DRILLING AND EXCAVATING EQUIPMENT AND THE MEANS AND METHODS TO PERFORM THE ROCK DRILLING AND EXCAVATING WORK SHOWN ON THE PLANS.

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 API5L, 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 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. PADS SHALL BE STAINLESS STEEL CONFORMING TO ASTM SPECIFICATION A240, TYPE 304 OR APPROVED EQUAL.
CONNECTING U BOLTS SHALL BE STAINLESS STEEL CONFORMING TO THE SPECIFICATIONS.
SIGN HANGERS SHALL BE INCLUDED IN 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

EXISTING SIGNS TO BE REMOVED SHALL BE RETURNED TO THE DEPARTMENT AT THE DOVER SIGN SHOP.

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.

SURVEY AND ELEVATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION. INCIDENTAL TO ITEM 605664.

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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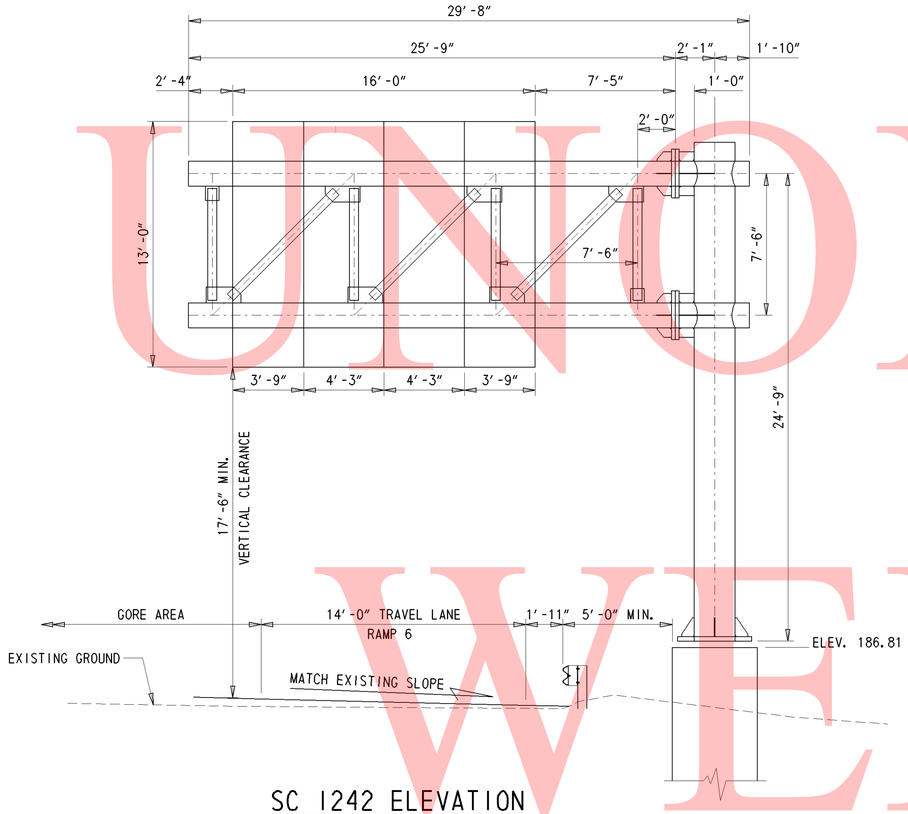
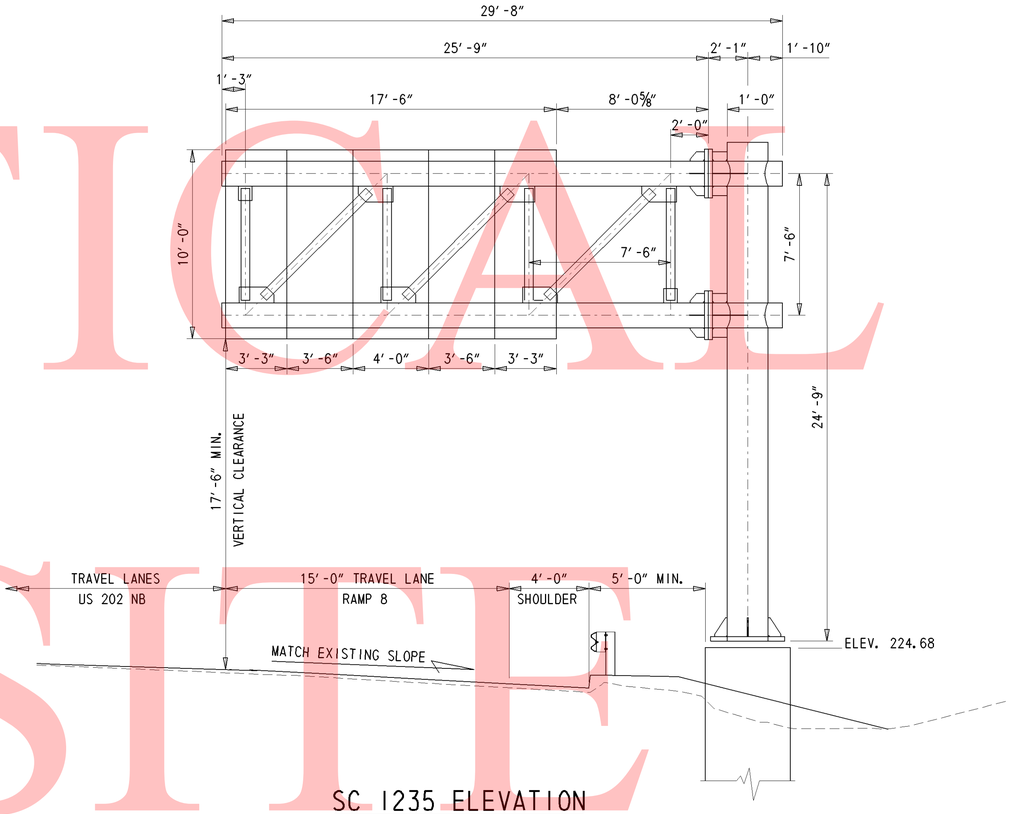
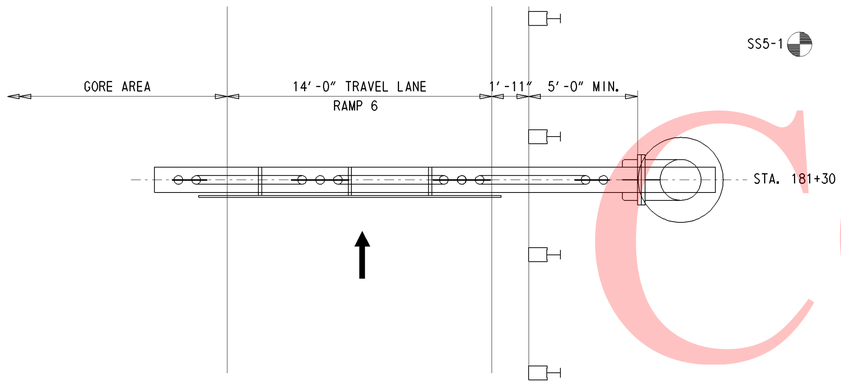
NOTE:
SEE SIGN STRUTURE SCHEDULE
ON SHEET 467 FOR TUBE SIZES.



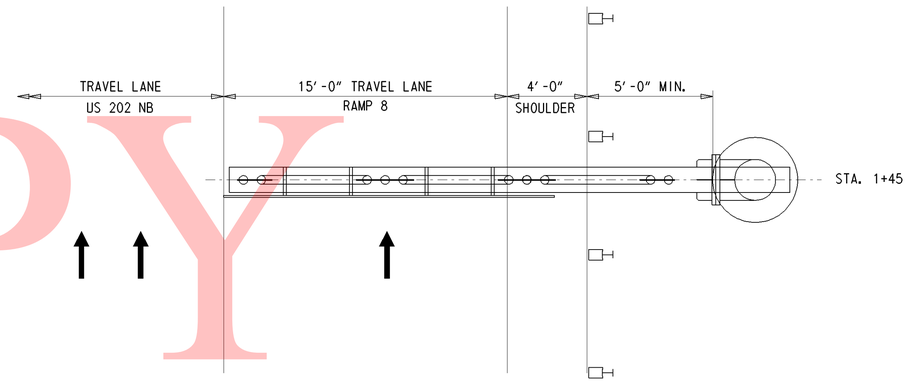
SC 1242 ELEVATION
1/4" = 1′-0"



SC 1235 ELEVATION
1/4" = 1′-0"



SC 1242 PLAN
1/4" = 1′-0"



SC 1235 PLAN
1/4" = 1′-0"

SS8-1

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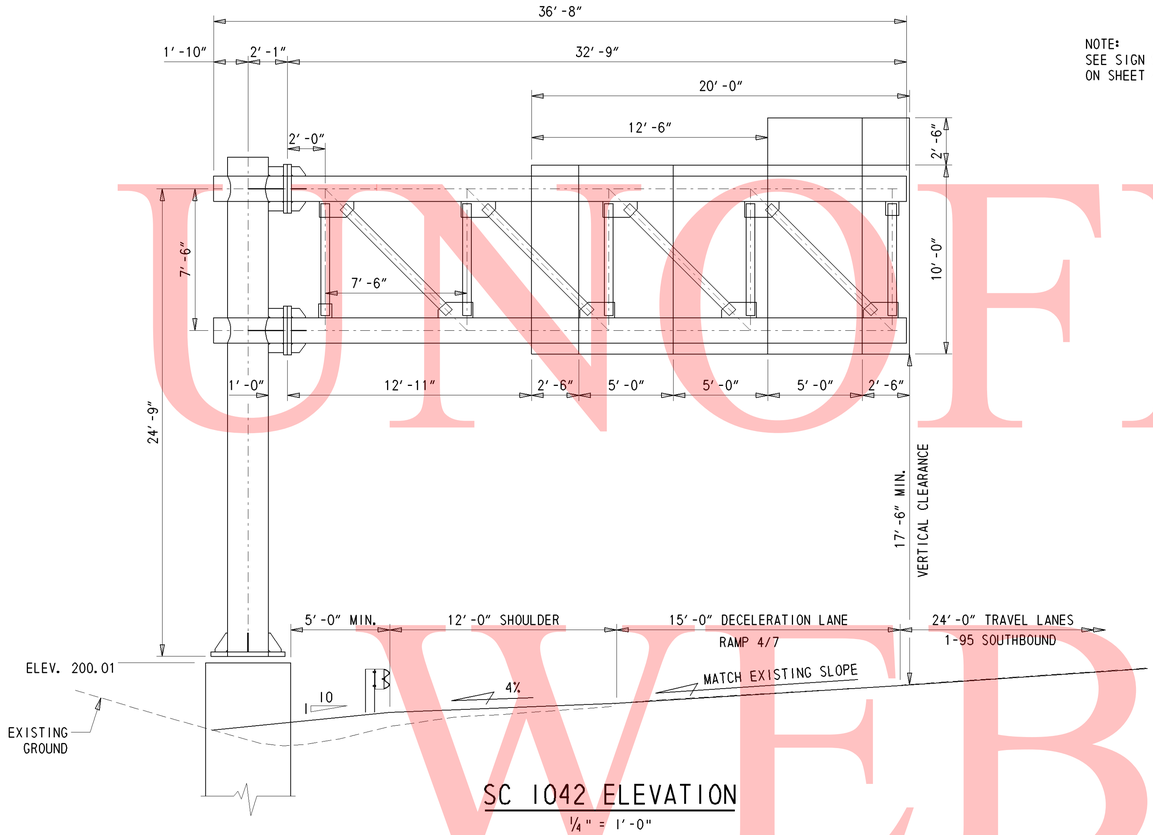
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		1-95 & US 202 INTERCHANGE	CONTRACT T200510602	STRUCTURE NO. SC 1242/1235	SC 1242 & SC 1235 PLAN & ELEVATION SSC 26 OF 36
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	SHEET NO. 468
					CHECKED BY:	TOTAL SHTS. 482

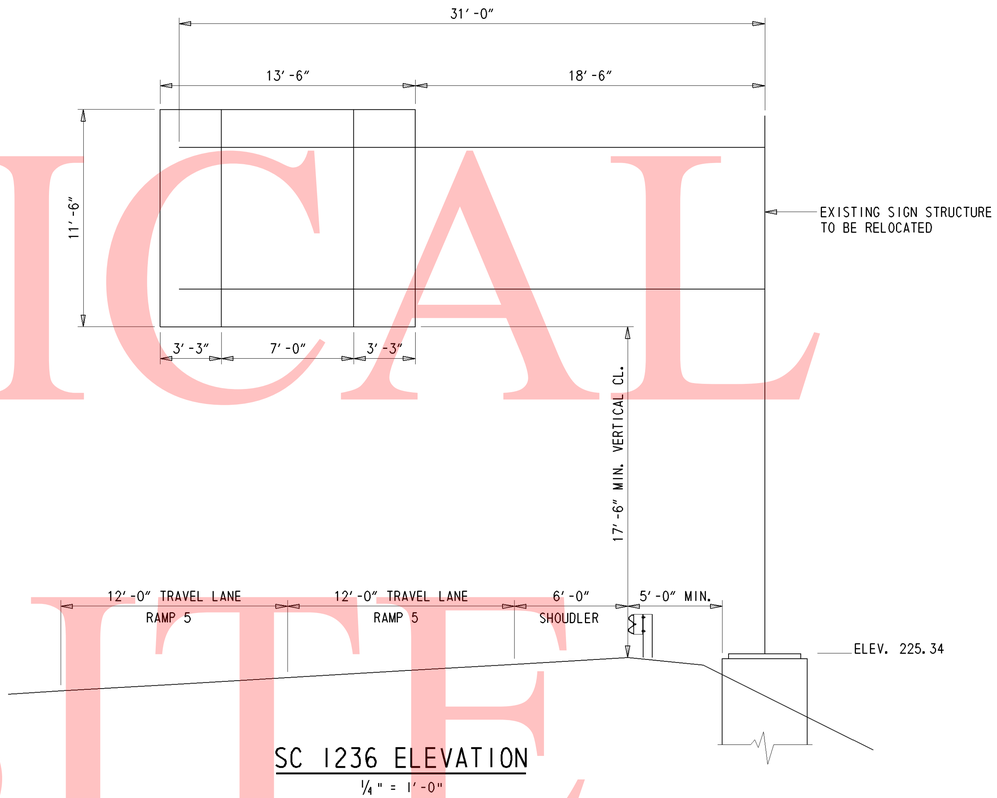
Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\SC 1242-1235.DGN



SC 1042 ELEVATION

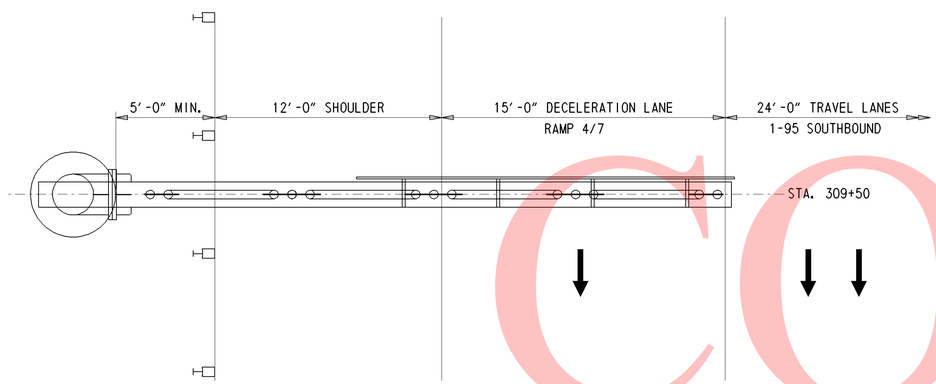
1/4" = 1′-0"

NOTE:
SEE SIGN STRUCTURE SCHEDULE
ON SHEET 467 FOR TUBE SIZES.



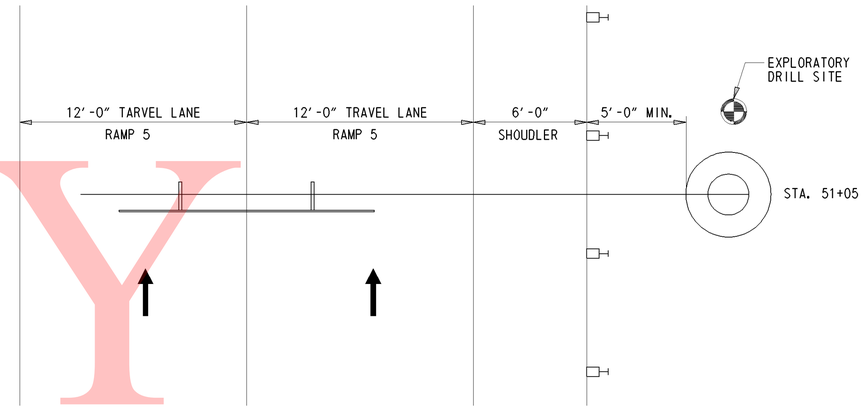
SC 1236 ELEVATION

1/4" = 1′-0"



SC 1042 PLAN

1/4" = 1′-0"



SC 1236 PLAN

1/4" = 1′-0"

NOTE:
SC 1236 IS AN EXISTING SIGN STRUCTURE SCHEDULED TO BE RELOCATED TO THIS LOCATION. RELOCATION OF STRUCTURE, SIGN PANEL INSTALLATION, AND A NEW FOUNDATION ARE THE ONLY ITEMS INCLUDED FOR THIS SIGN STRUCTURE.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

1-95 & US 202 INTERCHANGE

CONTRACT	STRUCTURE NO.	SC 1042/1236
T200510602	DESIGNED BY: E.M.	
COUNTY	CHECKED BY:	
NEW CASTLE		

SC 1042 & SC 1236
PLAN & ELEVATION
SSC 27 OF 36

SHEET NO.
469
TOTAL SHTS.
482

Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\SC 1042-1236.DGN

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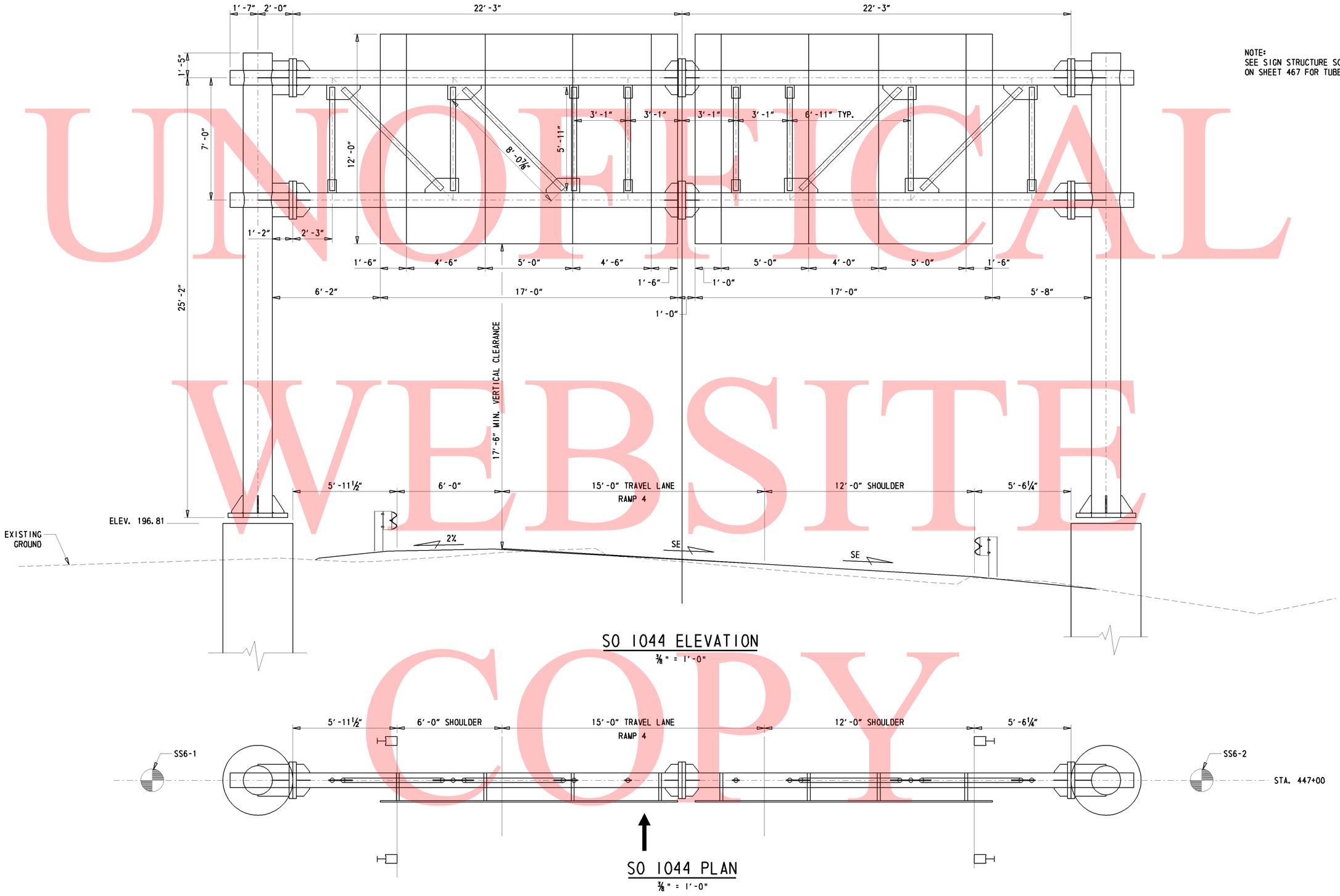
NOTE:
SEE SIGN STRUCTURE SCHEDULE
ON SHEET 467 FOR TUBE SIZES.



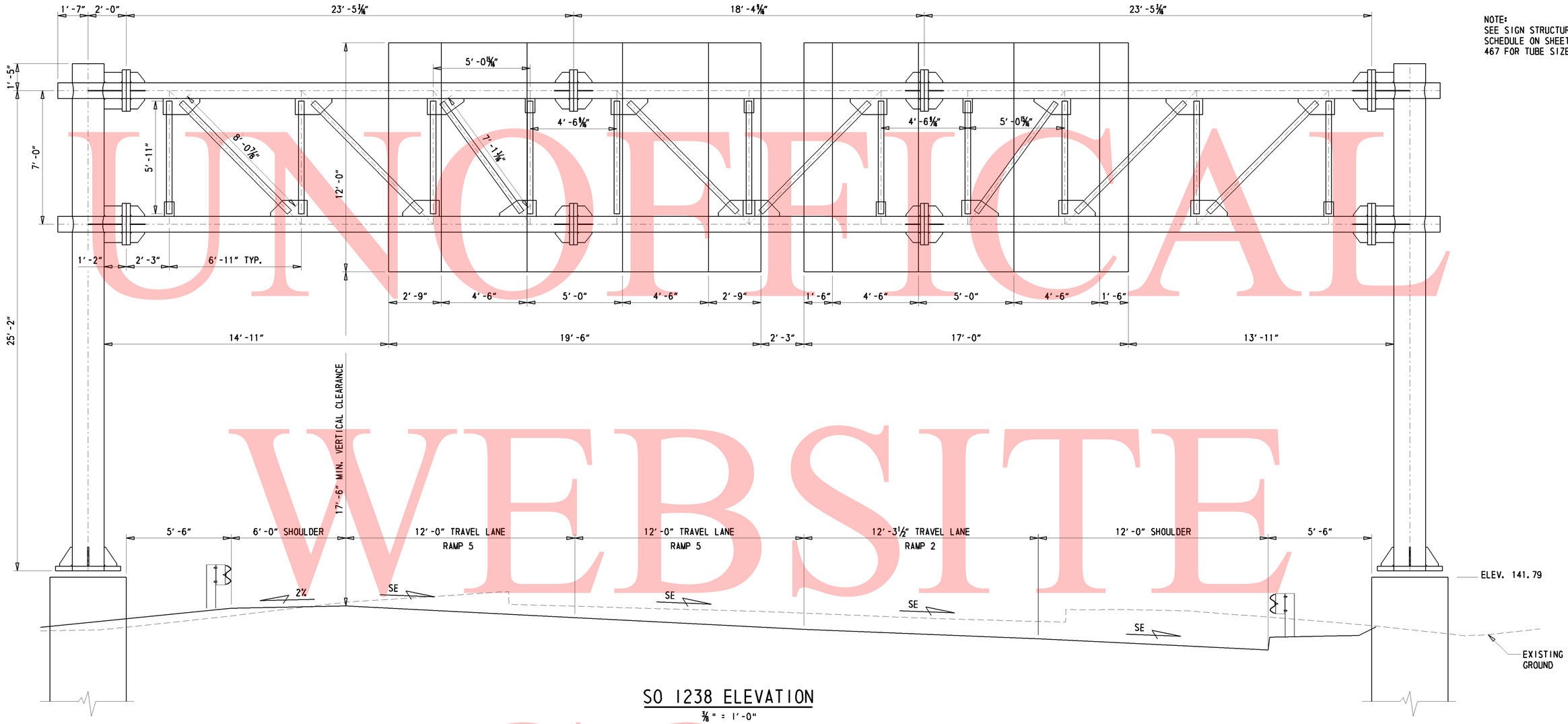
SO 1044 ELEVATION
⅜" = 1′-0"

SO 1044 PLAN
⅜" = 1′-0"

Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\SO 1044.DGN

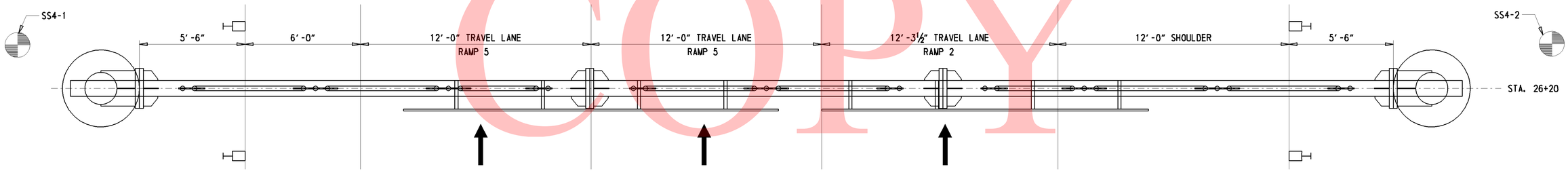
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		I-95 & US 202 INTERCHANGE	CONTRACT T200510602	STRUCTURE NO. SO 1044	SHEET NO. 470
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	TOTAL SHTS. 482
					CHECKED BY:	SO 1044 PLAN & ELEVATION SSC 28 OF 36

NOTE:
SEE SIGN STRUCTURE SCHEDULE ON SHEET 467 FOR TUBE SIZES.



SO 1238 ELEVATION

3/8" = 1'-0"



SO 1238 PLAN

3/8" = 1'-0"

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		I-95 & US 202 INTERCHANGE	CONTRACT T200510602	STRUCTURE NO. SO 1238	SHEET NO. 471
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	TOTAL SHTS. 482
					CHECKED BY:	SO 1238 PLAN & ELEVATION SSC 29 OF 36

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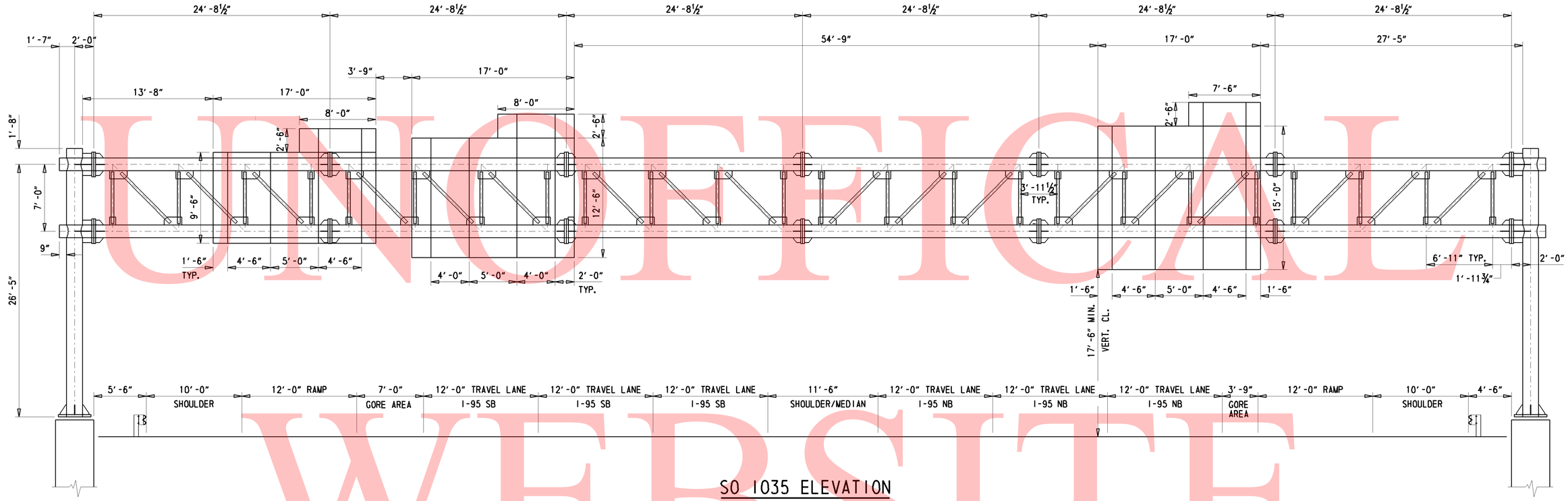
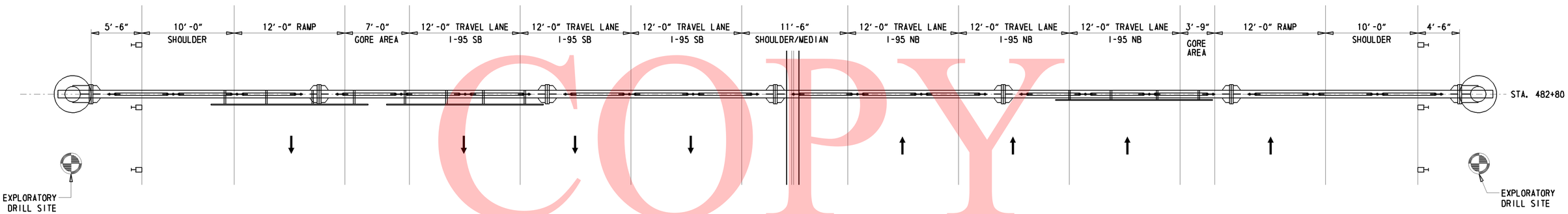


SO 1035 ELEVATION

3/16" = 1'-0"

NOTE:
SEE SIGN STRUCTURE SCHEDULE
ON SHEET 467 FOR TUBE SIZES.



SO 1035 PLAN

3/16" = 1'-0"

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		I-95 & US 202 INTERCHANGE	CONTRACT T200510602	STRUCTURE NO. SO 1035	SO 1035 PLAN & ELEVATION SSC 30 OF 36
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	SHEET NO. 472
					CHECKED BY:	TOTAL SHTS. 482

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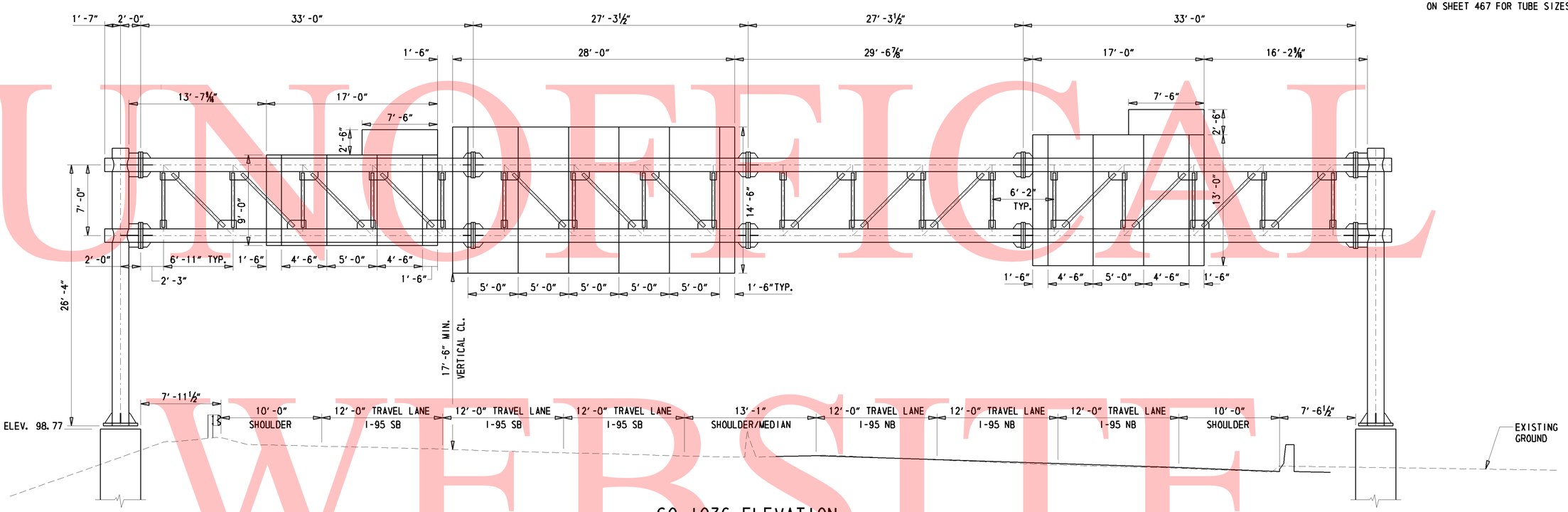
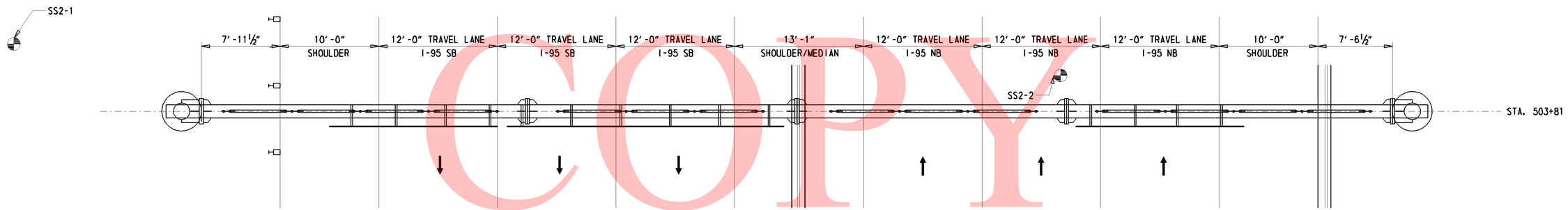
NOTE:
SEE SIGN STRUCTURE SCHEDULE
ON SHEET 467 FOR TUBE SIZES.



SO 1036 ELEVATION

3/16" = 1'-0"



SO 1036 PLAN

3/16" = 1'-0"

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		I-95 & US 202 INTERCHANGE	CONTRACT T200510602	STRUCTURE NO. SO 1036	SHEET NO. 473
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	TOTAL SHTS. 482
					CHECKED BY:	SO 1036 PLAN & ELEVATION SSC 31 OF 36

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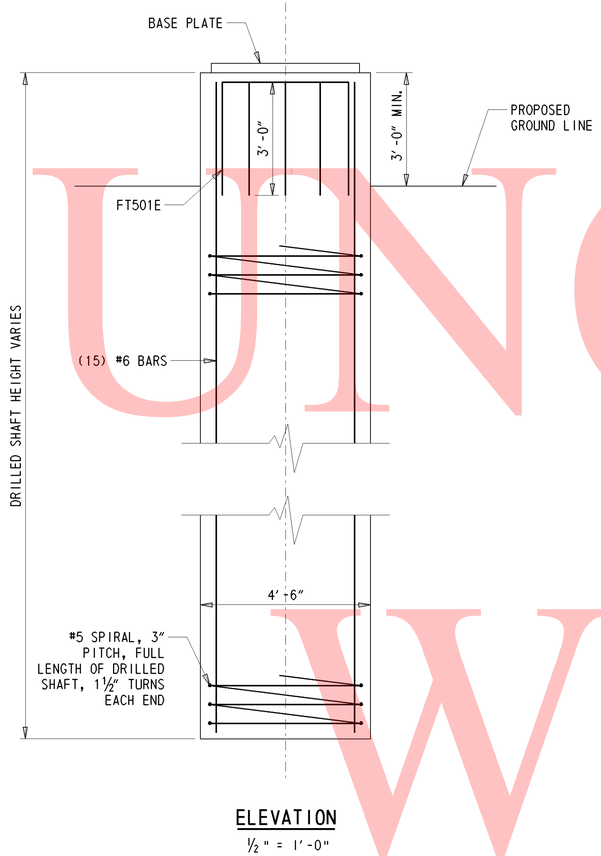
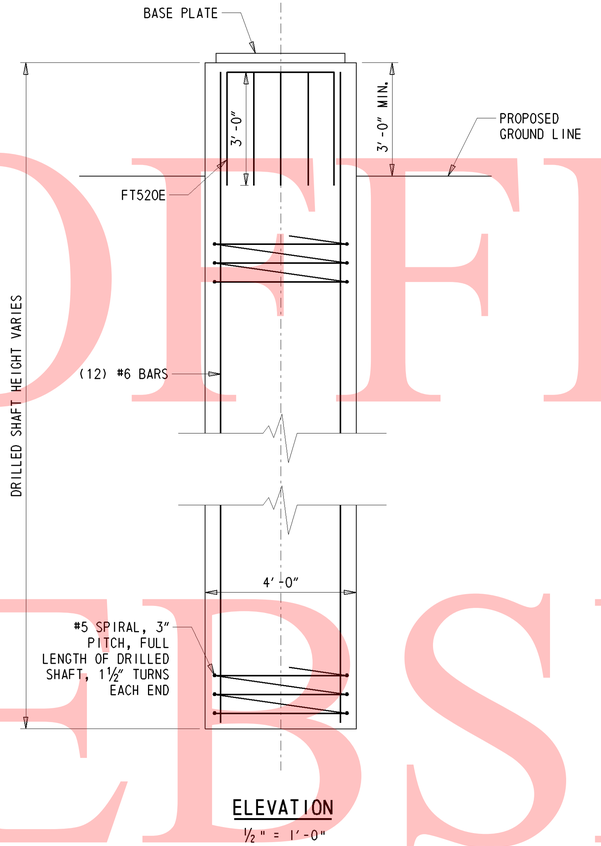


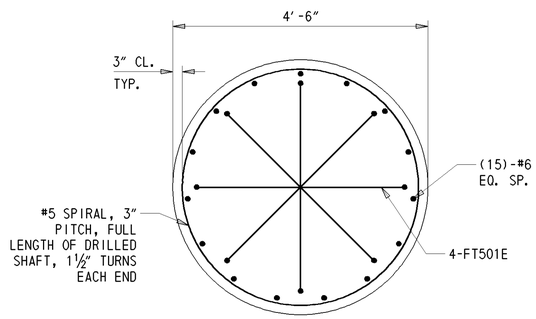
ELEVATION

½" = 1'-0"



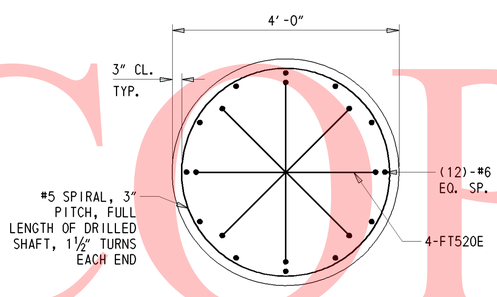
ELEVATION

½" = 1'-0"



PLAN

¾" = 1'-0"



PLAN

¾" = 1'-0"

DRILLED SHAFT SCHEDULE

STRUCTURE NUMBER	SHAFT HEIGHT	DIAMETER (FT)	REINFORCING LENGTH	
			VERTICAL	SPIRAL
SC 1242	25	4.5	24.5	24.5
SC 1235	18	4.5	17.5	17.5
SC 1042	20	4.5	19.5	19.5
SC 1236	25*	4.5	24.5	24.5
SO 1044	20	4.0	19.5	19.5
SO 1238	20	4.0	19.5	19.5
SO 1035	25*	4.0	24.5	24.5
SO 1036	20	4.0	19.5	19.5

* SHAFT HEIGHT IS APPROXIMATE. ACTUAL SHAFT HEIGHT SHALL BE BASED ON EXPLORATORY DRILLING PERFORMED PRIOR TO CONSTRUCTION. PAYMENT FOR EXPLORATORY DRILLING SHALL BE MADE UNDER ITEM 619511.

CANTILEVER DRILLED SHAFT DETAILS

OVERHEAD DRILLED SHAFT DETAILS

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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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

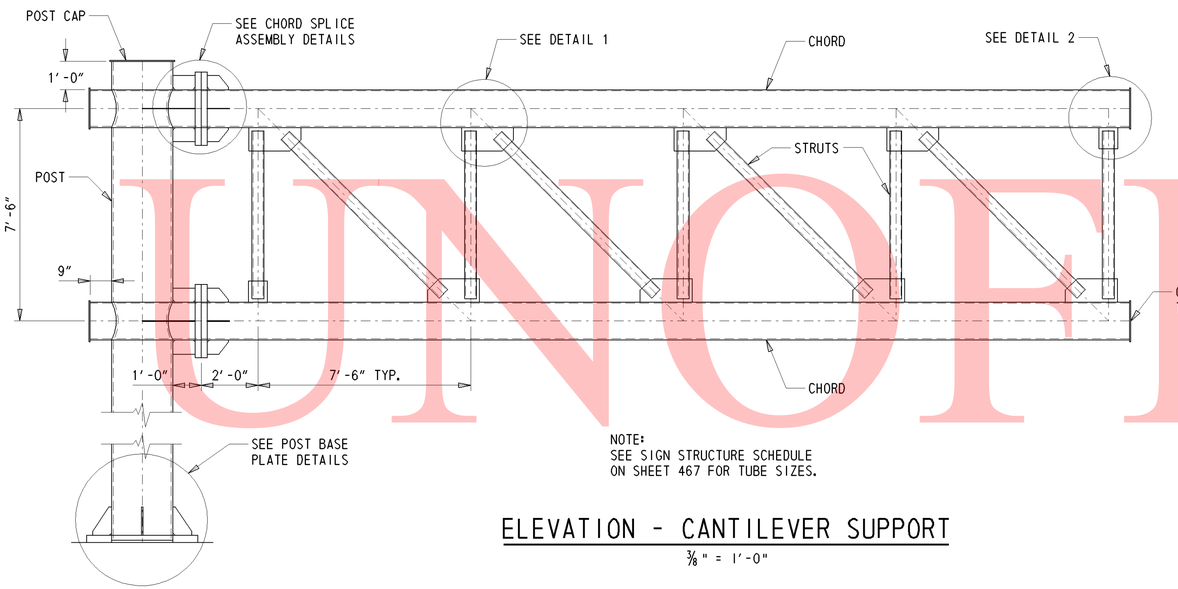
I-95 & US 202 INTERCHANGE

CONTRACT T200510602
COUNTY NEW CASTLE
BRIDGE NO. -
DESIGNED BY: E.M.
CHECKED BY:

FOUNDATION DETAILS
SSC 32 OF 36

SHEET NO. 474
TOTAL SHTS. 482

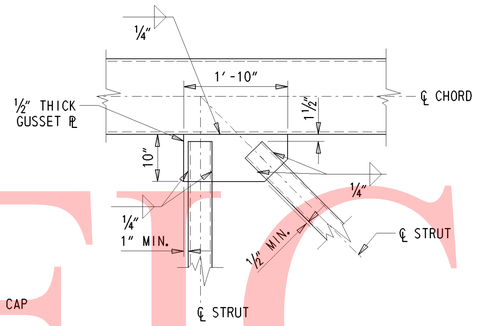
UNOFFICIAL WEBSITE COPY



NOTE:
SEE SIGN STRUCTURE SCHEDULE ON SHEET 467 FOR TUBE SIZES.

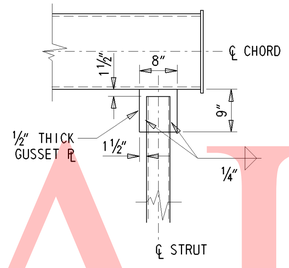
ELEVATION - CANTILEVER SUPPORT

3/8" = 1'-0"



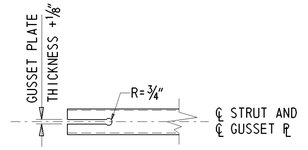
DETAIL 1

3/4" = 1'-0"



DETAIL 2

3/4" = 1'-0"



DETAIL A

3/4" = 1'-0"

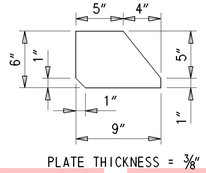
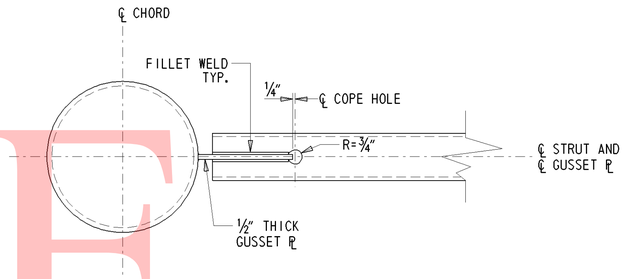


PLATE THICKNESS = 3/8"

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"

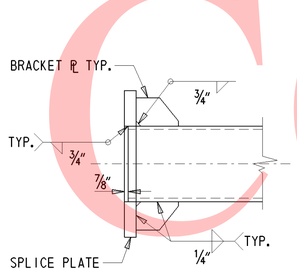
PLATE THICKNESS = 3/8"

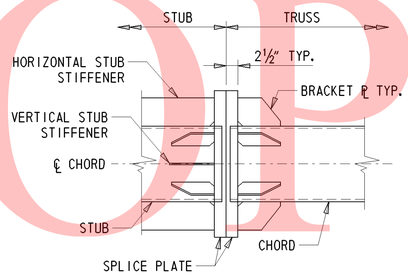
VERTICAL STUB STIFFENER DETAIL

1 1/2" = 1'-0"

NOTES:

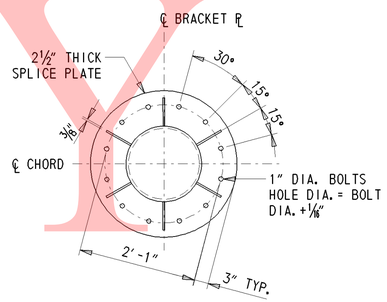
1. HORIZONTAL AND VERTICAL STUB STIFFENER PLATE DIMENSIONS MAY BE VARIED TO ACCOUNT FOR CAMBER.
2. CHORD INTERMEDIATE SPLICING SHALL NOT BE PERMITTED.
3. THE THREADED PORTION OF THE SPLICE BOLTS SHALL BE EXCLUDED FROM THE SHEAR PLANE OF THE SPLICE.
4. ASTM A325 SPLICE BOLTS SHALL BE HEAVY HEXAGON TYPE 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.

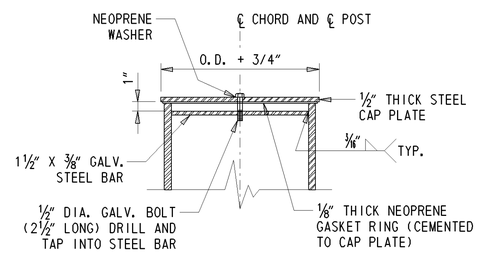




CHORD SPLICE ASSEMBLY DETAILS

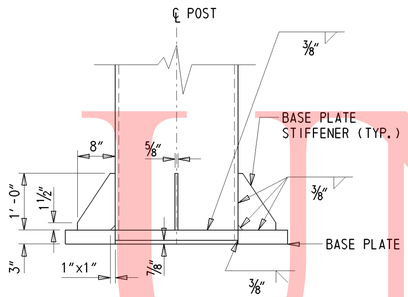
3/4" = 1'-0"

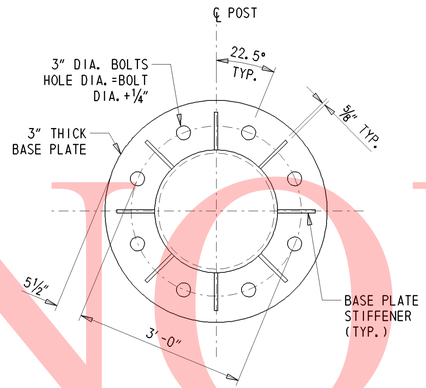




POST OR CHORD CAP DETAIL

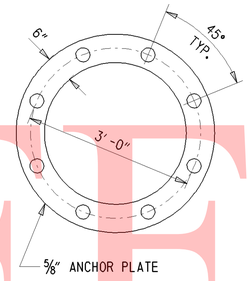
1 1/2" = 1'-0"





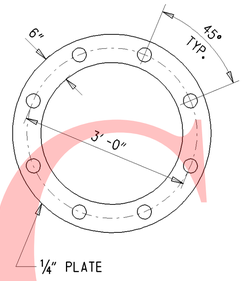
POST BASE PLATE DETAILS

3/4" = 1'-0"



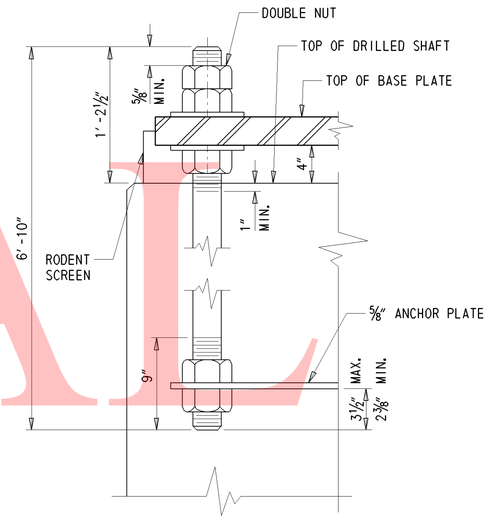
ANCHOR PLATE DETAIL

3/4" = 1'-0"



TEMPLATE PLATE DETAIL

3/4" = 1'-0"

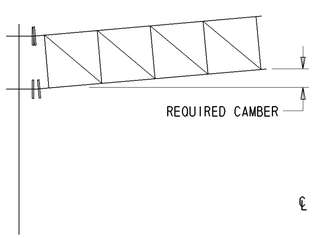


ANCHOR BOLT DETAIL

1 1/2" = 1'-0"

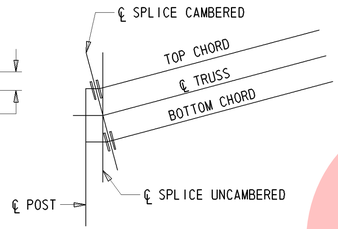
POST BASE NOTES:

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 SHALL BE PLACED AROUND CIRCUMFERENCE OF BASEPLATE.



CAMBER DIAGRAM

N.T.S

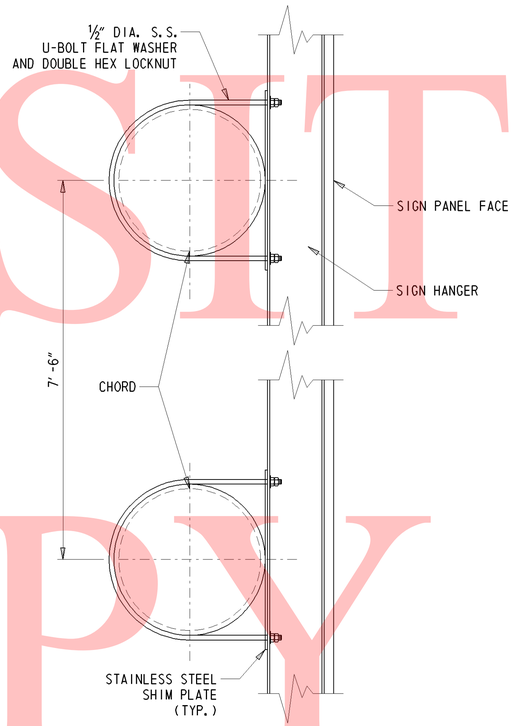


CAMBER DETAIL

N.T.S.

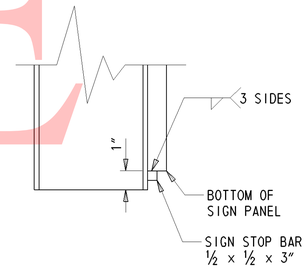
CAMBER NOTE:

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.



TYPICAL SIGN HANGER DETAIL

1 1/2" = 1'-0"



SIGN STOP DETAIL

3" = 1'-0"

SIGN HANGER NOTES:

1. LENGTH OF SIGN HANGERS SHALL BE EQUAL TO THE SIGN PANEL HEIGHT PLUS 1" AT THE 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. ALL GUSSET PLATES MODIFICATIONS TO ALLOW FOR SIGN PANEL INSTALLATION SHALL FIRST BE APPROVED BY THE ENGINEER.

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. -	CANTILEVERED SIGN STRUCTURE DETAILS 2 SSC 34 OF 36	SHEET NO. 476
			COUNTY NEW CASTLE	DESIGNED BY: E.M.		TOTAL SHTS. 482
				CHECKED BY:		

Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\DT 2.DGN

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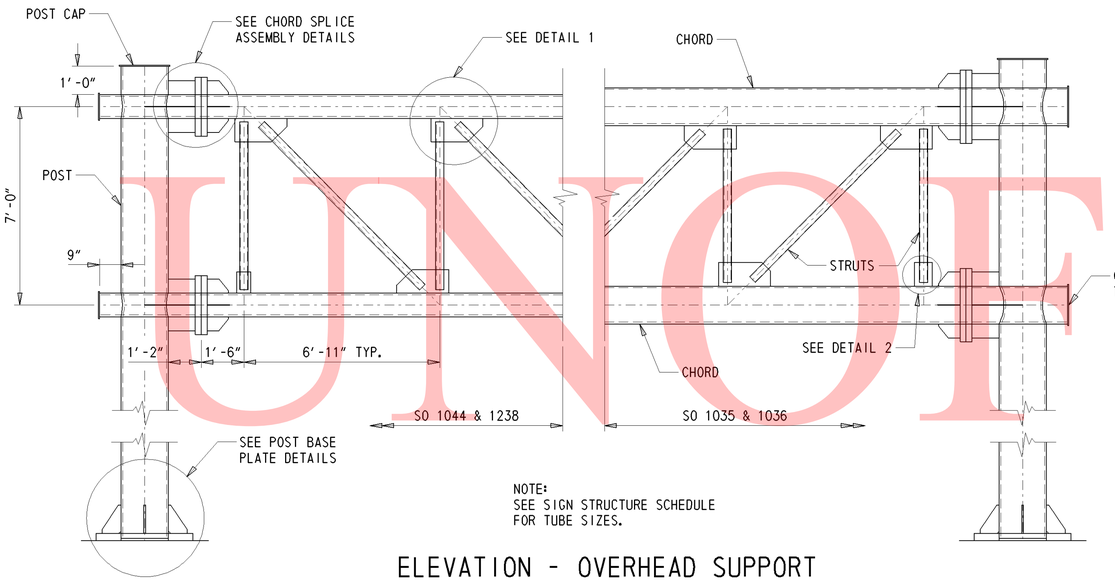
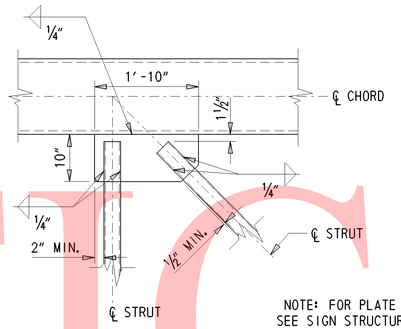


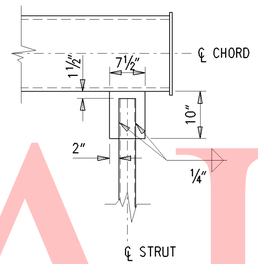
NOTE:
SEE SIGN STRUCTURE SCHEDULE FOR TUBE SIZES.

ELEVATION - OVERHEAD SUPPORT
3/8" = 1'-0"



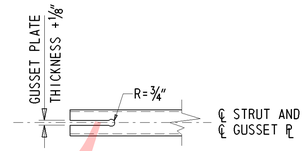
NOTE: FOR PLATE THICKNESS SEE SIGN STRUCTURE SCHEDULE

DETAIL 1
3/4" = 1'-0"



DETAIL 2
3/4" = 1'-0"

CHORD SPLICE ASSEMBLY		
SIGN STRUCTURE	BOLT CIRCLE C (IN)	E (IN)
SO 1044 SO 1238	20	6½
SO 1035 SO 1036	25	6



DETAIL A
3/4" = 1'-0"

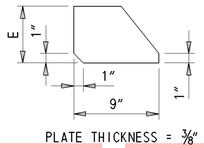
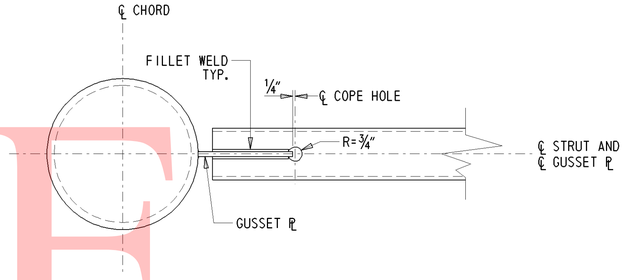


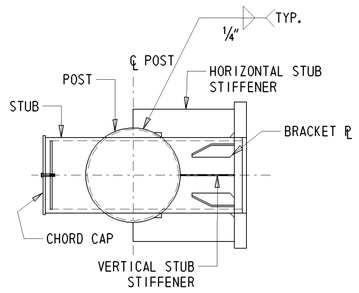
PLATE THICKNESS = 3/8"

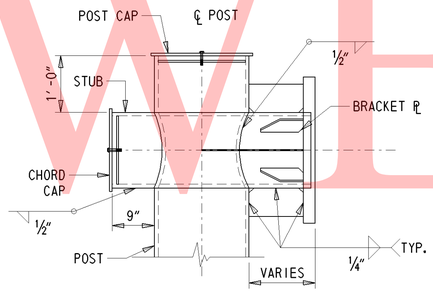
BRACKET PLATE DETAIL
1½" = 1'-0"



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

COPE HOLE DETAIL
1½" = 1'-0"





POST-STUB CONNECTION DETAILS
3/4" = 1'-0"

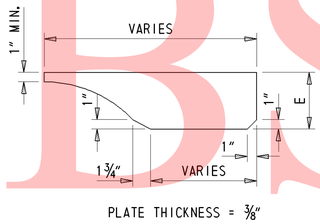


PLATE THICKNESS = 3/8"

HORIZONTAL STUB STIFFENER DETAIL
1½" = 1'-0"

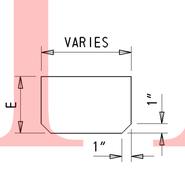
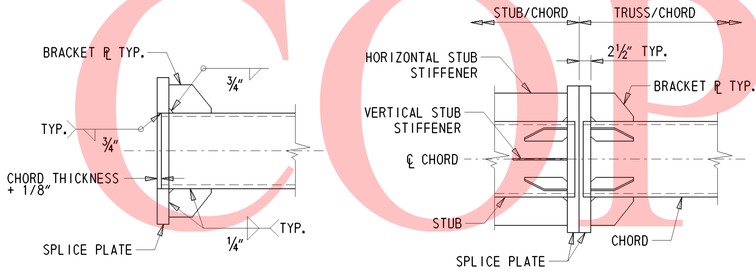


PLATE THICKNESS = 3/8"

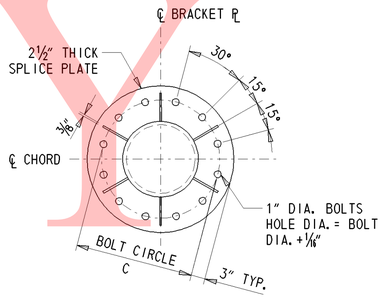
VERTICAL STUB STIFFENER DETAIL
1½" = 1'-0"

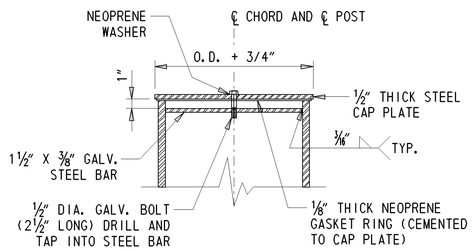
NOTES:

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.



CHORD SPLICE ASSEMBLY DETAILS
¾" = 1'-0"

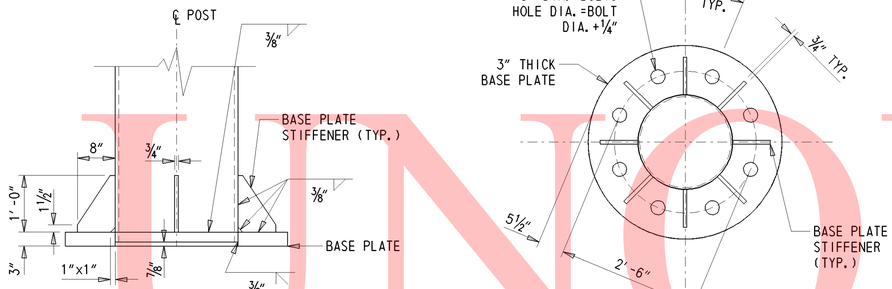




POST OR CHORD CAP DETAIL
1½" = 1'-0"

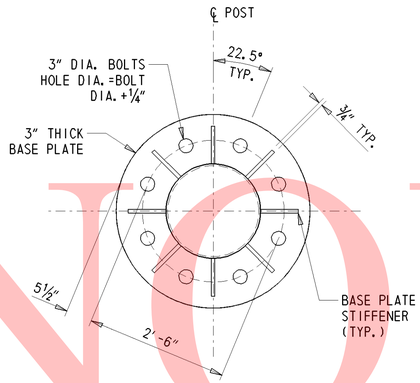
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		1-95 & 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. –	OVERHEAD SIGN STRUCTURE DETAILS 1 SSC 35 OF 36
				COUNTY NEW CASTLE	DESIGNED BY: E.M.	SHEET NO. 477
					CHECKED BY:	TOTAL SHTS. 482

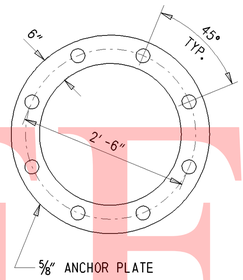
Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\DT 1.DGN



POST BASE PLATE DETAILS

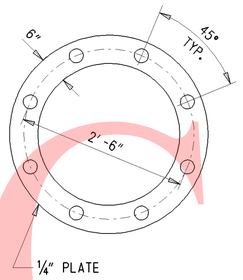
3⁄4″ = 1′-0″





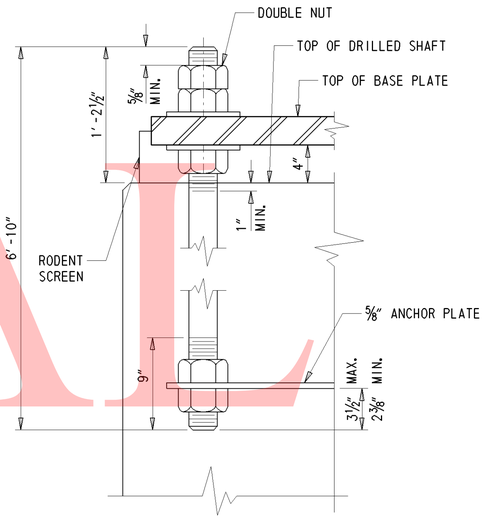
ANCHOR PLATE DETAIL

3⁄4″ = 1′-0″



TEMPLATE PLATE DETAIL

3⁄4″ = 1′-0″

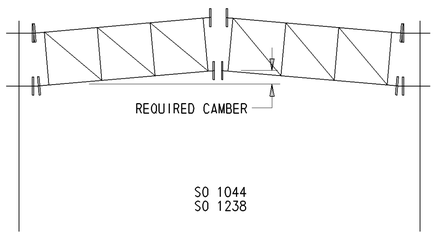


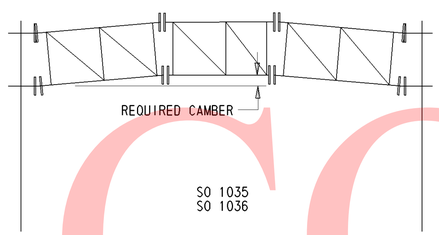
ANCHOR BOLT DETAIL

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 SCREENS SHALL BE PLACED AROUND CIRCUMFERENCE OF BASEPLATE.



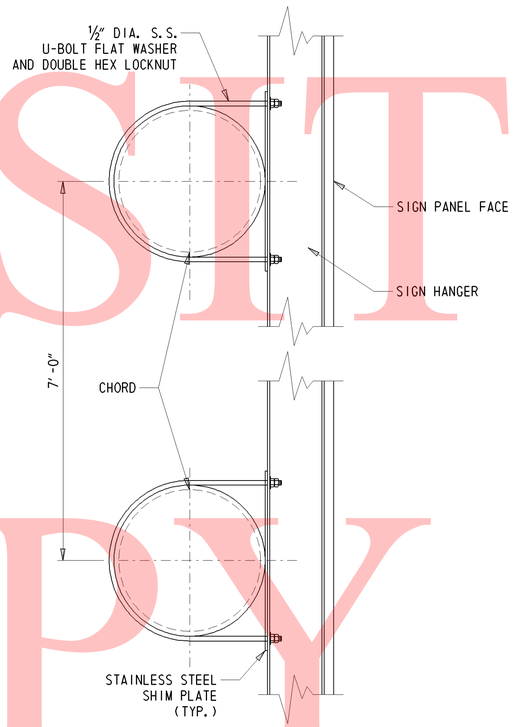


CAMBER DIAGRAM

N.T.S

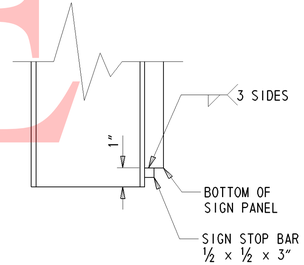
CAMBER NOTE:

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.



TYPICAL SIGN HANGER DETAIL

1 1⁄2″ = 1′-0″



SIGN STOP DETAIL

3″ = 1′-0″

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. ALL GUSSET PLATES MODIFICATIONS TO ALLOW FOR SIGN PANEL INSTALLATION SHALL BE FIRST APPROVED BY THE ENGINEER.

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		I-95 & US 202 INTERCHANGE	CONTRACT T200510602	BRIDGE NO. –	OVERHEAD SIGN STRUCTURE DETAILS 2 SSC 36 OF 36	SHEET NO. 478
				COUNTY NEW CASTLE	DESIGNED BY: E.M.		TOTAL SHTS. 482
					CHECKED BY:		

Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\DT 4.DGN

NOTES:

9. PROPOSED DELTRAC JUNCTION WELL. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

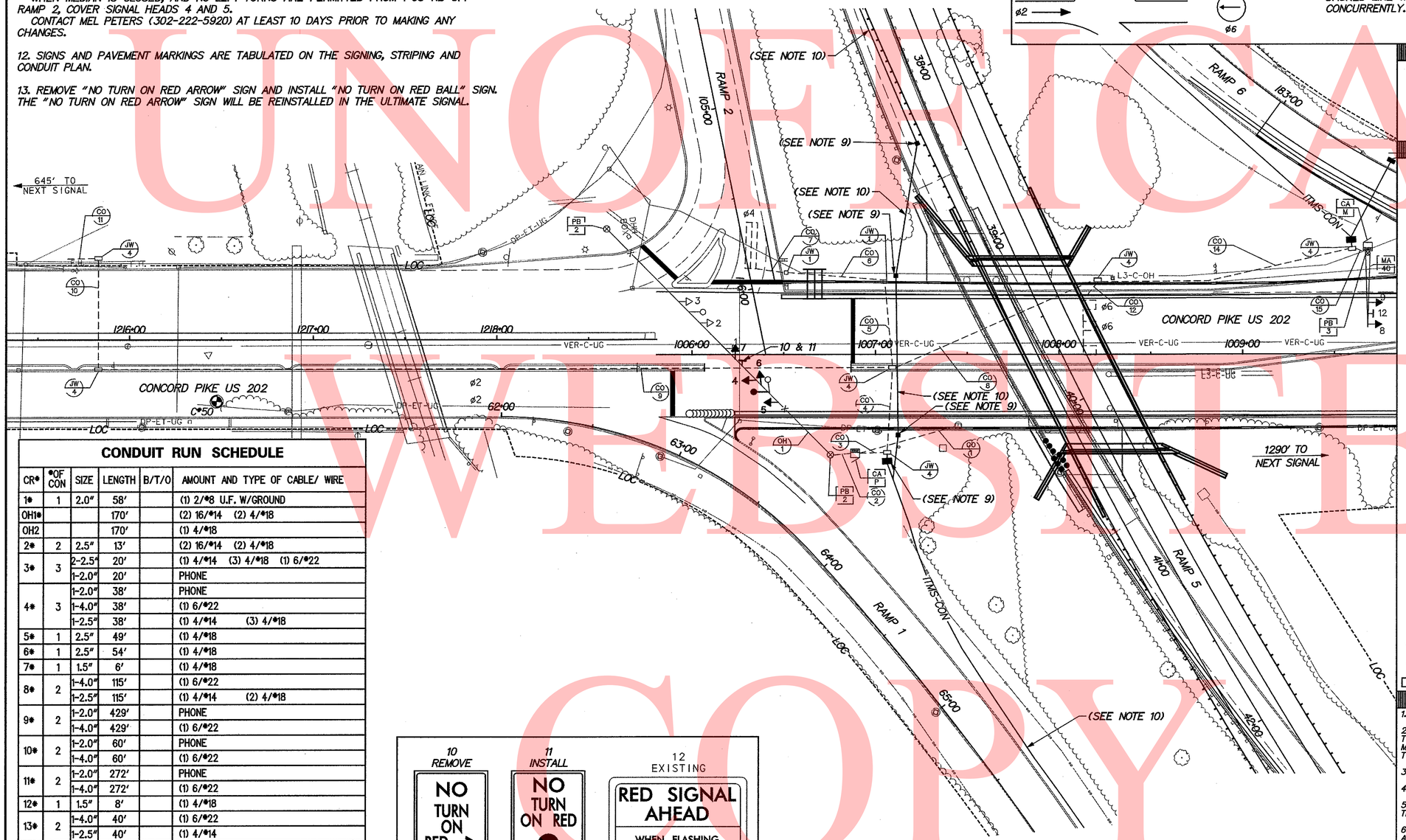
10. PROPOSED DELTRAC CONDUIT. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

11. INTERIM SIGNAL TO BE OPERATIONAL IN ACCORDANCE WITH TRAFFIC CONTROL PLAN TO ACCOMMODATE TEMPORARY TRAFFIC PATTERNS.
INTERIM SIGNAL WILL OPERATE ON SELECTED WEEKENDS DURING PHASE 1, STAGE 2. WHEN MEDIAN IS CLOSED, AND NO LEFT TURNS ARE PERMITTED FROM I-95 NB OFF RAMP 2, COVER SIGNAL HEADS 4 AND 5.
CONTACT MEL PETERS (302-222-5920) AT LEAST 10 DAYS PRIOR TO MAKING ANY CHANGES.

12. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING AND CONDUIT PLAN.

13. REMOVE "NO TURN ON RED ARROW" SIGN AND INSTALL "NO TURN ON RED BALL" SIGN. THE "NO TURN ON RED ARROW" SIGN WILL BE REINSTALLED IN THE ULTIMATE SIGNAL.

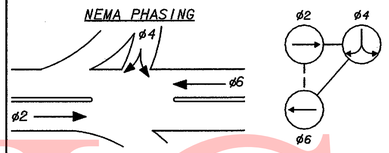
INTERIM SIGNAL



SIGNAL PHASING

MEDIAN OPEN

NEMA PHASING

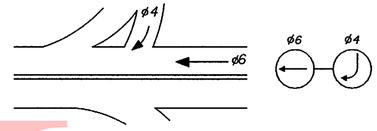


PHASING NOTES

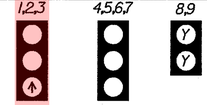
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

MEDIAN CLOSED

NEMA PHASING



SIGNAL HEAD DIAGRAM



LEGEND

PROPOSED SIGNAL CABINET	RM/C	REMOVE BY CONTRACTOR
EXISTING SIGNAL CABINET	RM/O	REMOVE BY OTHERS
PROPOSED SIGNAL POLE BASE	AB	ABANDON
EXISTING SIGNAL POLE BASE	PB/X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
PROPOSED PEDESTRIAN POLE BASE	PB/X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
EXISTING PEDESTRIAN POLE BASE	JW/X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
PROPOSED WOOD POLE	JW/X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
EXISTING UTILITY POLE	CO/#	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUNS)
PROPOSED JUNCTION WELL	CO/#	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUNS)
EXISTING JUNCTION WELL	OH/#	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUNS)
PROPOSED SIGNAL HEAD	OH/#	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUNS)
EXISTING SIGNAL HEAD	MA/XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
PROPOSED PEDESTRIAN SIGNAL HEAD	MA/XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
EXISTING PEDESTRIAN SIGNAL HEAD	CA/X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
PROPOSED PEDESTRIAN PUSHBUTTON	CA/X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
EXISTING PEDESTRIAN PUSHBUTTON		PROPOSED SPAN WIRE
PROPOSED VIDEO DETECTION	XX	EXISTING SPAN WIRE
EXISTING VIDEO DETECTION		RIGHT-OF-WAY OR PROPERTY LINE
PROPOSED MICROWAVE DETECTION		PROPOSED SPAN INSULATOR
EXISTING MICROWAVE DETECTION		EXISTING SPAN INSULATOR
OVERHEAD SIGNING	P	SERVICE PEDESTAL
PROPOSED OPTICOM RECEIVER		
EXISTING OPTICOM RECEIVER		
PROPOSED MAST ARM		
EXISTING MAST ARM		
PROPOSED LUMINAIRE		
EXISTING LUMINAIRE		
PROPOSED LOOP DETECTOR (TYPE 1 OR 2)		EXISTING LOOP DETECTOR (TYPE 1 OR 2)

CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2.0"	58'		(1) 2/#8 U.F. W/GROUND
OH1*			170'		(2) 16/#14 (2) 4/#18
OH2			170'		(1) 4/#18
2*	2	2.5"	13'		(2) 16/#14 (2) 4/#18
3*	3	2-2.5"	20'		(1) 4/#14 (3) 4/#18 (1) 6/#22
		1-2.0"	20'		PHONE
4*	3	1-2.0"	38'		PHONE
		1-4.0"	38'		(1) 6/#22
		1-2.5"	38'		(1) 4/#14 (3) 4/#18
5*	1	2.5"	49'		(1) 4/#18
6*	1	2.5"	54'		(1) 4/#18
7*	1	1.5"	6'		(1) 4/#18
8*	2	1-4.0"	115'		(1) 6/#22
		1-2.5"	115'		(1) 4/#14 (2) 4/#18
9*	2	1-2.0"	429'		PHONE
		1-4.0"	429'		(1) 6/#22
10*	2	1-2.0"	60'		PHONE
		1-4.0"	60'		(1) 6/#22
11*	2	1-2.0"	272'		PHONE
		1-4.0"	272'		(1) 6/#22
12*	1	1.5"	8'		(1) 4/#18
13*	2	1-4.0"	40'		(1) 6/#22
		1-2.5"	40'		(1) 4/#14
14*	2	1-2.5"	145'		(1) 4/#14
		1-4.0"	145'		(1) 6/#22
15*	2	1-2.5"	9'		(1) 4/#14
		1-2.5"	9'		(1) 6/#22
16*	1	1.5"	6'		(1) 4/#18

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

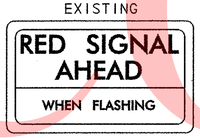
10 REMOVE

24"X30"
SEE NOTE 13

11 INSTALL

R10-11
24"X30"

12 EXISTING



GENERAL SIGNAL NOTES

1. DETECTION - 45 MPH - 4 SECONDS PASSAGE TIME AT 250' FROM STOP BAR.

2. LOOP DETECTORS -
TYPE #1 AND SYSTEM LOOPS - 6'X6' - TO BE INSTALLED ON MAIN STREET THROUGH MOVEMENTS.
TYPE #2 - 6'X25' - TO BE INSTALLED ON SIDE STREET TURN MOVEMENT.

3. ALL SIGNAL SPAN POLES WILL BE 32'.

4. CR 1 IS NOT DRAWN TO SCALE, NOR IS THE DIRECTION NECESSARILY CORRECT.

5. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.

6. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.

7. ALL GALVANIZED RIGID CONDUIT (GRC), SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SETSCREW, BOLTED, AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.

8. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: 2.2.10

APPROVED TRAFFIC ENGINEER _____ DATE: 2/2/10

APPROVED FOR INSTALLATION
CHIEF TRAFFIC ENGINEER _____ DATE: 2/2/10

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUM /REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
PERMIT NO.	N634
DESIGNED BY:	DEM
CHECKED BY:	DRK

CONCORD PIKE (US 202)
& I-95 NB OFF RAMP 2
MOT PHASE 1, STAGE 2
INTERIM SIGNAL PLAN
SIGNAL 1 OF 4

SHEET NO.	479
TOTAL SHTS.	482

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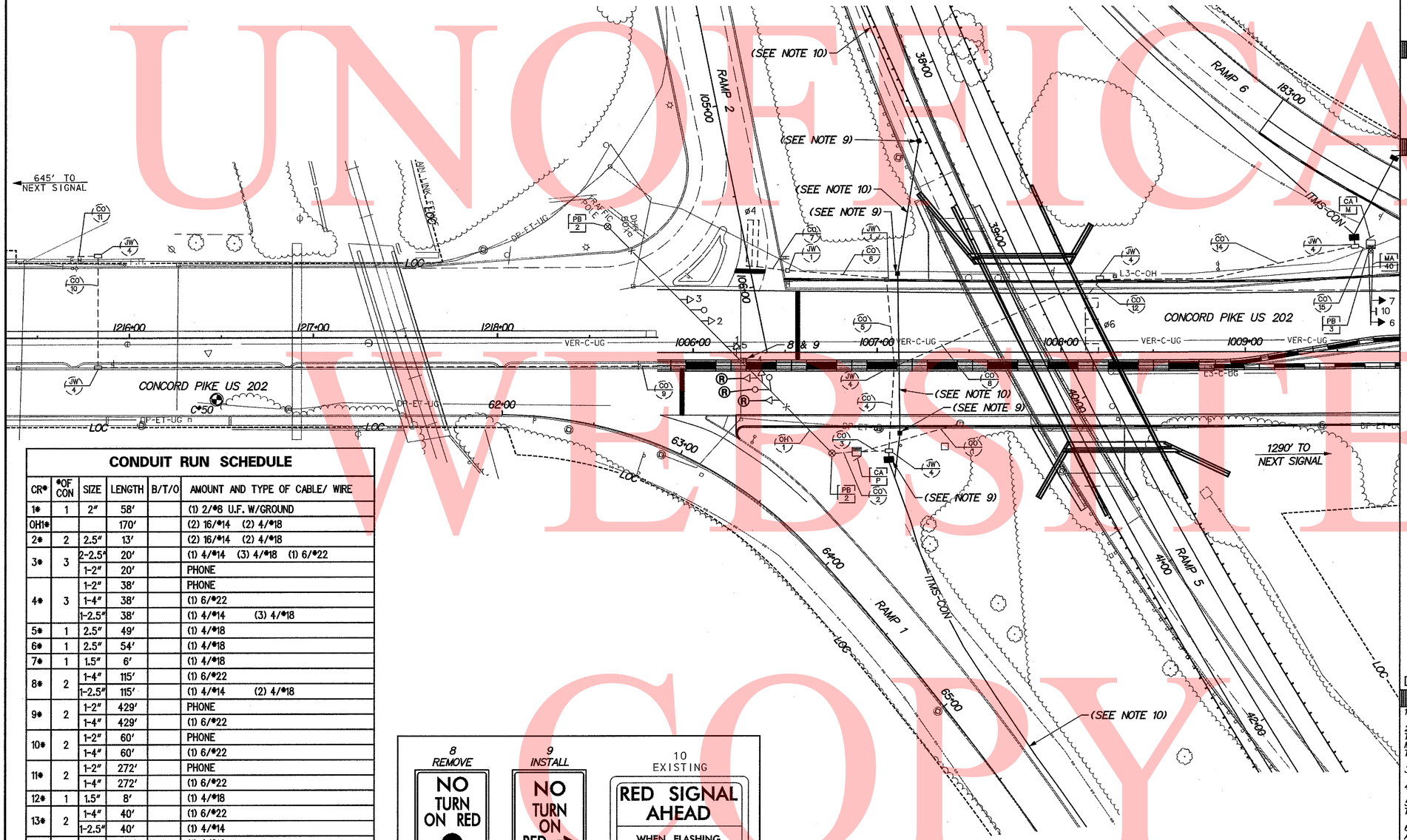
NOTES:

9. PROPOSED DELTRAC JUNCTION WELL. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

10. PROPOSED DELTRAC CONDUIT. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

11. REMOVE "NO TURN ON RED BALL" SIGN AND REINSTALL THE "NO TURN ON RED ARROW" SIGN THAT WAS REMOVED FOR THE INTERIM SIGNAL.

ULTIMATE SIGNAL



CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2"	58'		(1) 2/*8 U.F. W/GROUND
OH1*			170'		(2) 16/*14 (2) 4/*18
2*	2	2.5"	13'		(2) 16/*14 (2) 4/*18
3*	3	2-2.5"	20'		(1) 4/*14 (3) 4/*18 (1) 6/*22
		1-2"	20'		PHONE
4*	3	1-2"	38'		PHONE
		1-4"	38'		(1) 6/*22
		1-2.5"	38'		(1) 4/*14 (3) 4/*18
5*	1	2.5"	49'		(1) 4/*18
6*	1	2.5"	54'		(1) 4/*18
7*	1	1.5"	6'		(1) 4/*18
8*	2	1-4"	115'		(1) 6/*22
		1-2.5"	115'		(1) 4/*14 (2) 4/*18
9*	2	1-2"	429'		PHONE
		1-4"	429'		(1) 6/*22
10*	2	1-2"	60'		PHONE
		1-4"	60'		(1) 6/*22
11*	2	1-2"	272'		PHONE
		1-4"	272'		(1) 6/*22
12*	1	1.5"	8'		(1) 4/*18
13*	2	1-4"	40'		(1) 6/*22
		1-2.5"	40'		(1) 4/*14
14*	2	1-2.5"	145'		(1) 4/*14
		1-4"	145'		(1) 6/*22
15*	2	1-2.5"	9'		(1) 4/*14
		1-2.5"	9'		(1) 6/*22
16*	1	1.5"	6'		(1) 4/*18

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

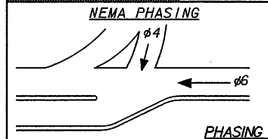
8 REMOVE
NO TURN ON RED
R10-11
24"X30"

9 INSTALL
NO TURN ON RED →
24"X30"
SEE NOTE 11

10 EXISTING
RED SIGNAL AHEAD
WHEN FLASHING

SIGNAL PHASING

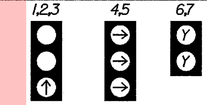
NEMA PHASING



PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SIGNAL HEAD DIAGRAM



LEGEND

- PROPOSED SIGNAL CABINET
- EXISTING SIGNAL CABINET
- PROPOSED SIGNAL POLE BASE
- EXISTING SIGNAL POLE BASE
- PROPOSED PEDESTRIAN POLE BASE
- EXISTING PEDESTRIAN POLE BASE
- PROPOSED WOOD POLE
- EXISTING UTILITY POLE
- PROPOSED JUNCTION WELL
- EXISTING JUNCTION WELL
- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN PUSHBUTTON
- EXISTING PEDESTRIAN PUSHBUTTON
- PROPOSED VIDEO DETECTION
- EXISTING VIDEO DETECTION
- PROPOSED MICROWAVE DETECTION
- EXISTING MICROWAVE DETECTION
- OVERHEAD SIGNING
- PROPOSED OPTICOM RECEIVER
- EXISTING OPTICOM RECEIVER
- PROPOSED MAST ARM
- EXISTING MAST ARM
- PROPOSED LUMINAIRE
- EXISTING LUMINAIRE
- PROPOSED LOOP DETECTOR (TYPE 1 OR 2)
- REMOVE BY CONTRACTOR
- REMOVE BY OTHERS
- ABANDON
- PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)
- PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
- PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
- EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
- PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
- EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
- PROPOSED SPAN WIRE
- EXISTING SPAN WIRE
- RIGHT-OF-WAY OR PROPERTY LINE
- PROPOSED SPAN INSULATOR
- EXISTING SPAN INSULATOR
- SERVICE PEDESTAL
- EXISTING LOOP DETECTOR (TYPE 1 OR 2)

GENERAL SIGNAL NOTES

1. DETECTION - 45 MPH - 4 SECONDS PASSAGE TIME AT 250' FROM STOP BAR.
2. LOOP DETECTORS - TYPE #1 AND SYSTEM LOOPS - 6'X6' - TO BE INSTALLED ON MAIN STREET THROUGH MOVEMENTS. TYPE #2 - 6'X25' - TO BE INSTALLED ON SIDE STREET TURN MOVEMENT.
3. ALL SIGNAL SPAN POLES WILL BE 32'.
4. OR 1 IS NOT DRAWN TO SCALE, NOR IS THE DIRECTION NECESSARILY CORRECT.
5. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
6. POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.
7. ALL GALVANIZED RIGID CONDUIT (GRC), SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SETSCREW, BOLTED, AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
8. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: 2.2.10

APPROVED TRAFFIC ENGINEER _____ DATE: 2/2/10

APPROVED FOR INSTALLATION
CHIEF TRAFFIC ENGINEER _____ DATE: 2/2/10

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM /REVISIONS

SCALE 0 30 60 90 FEET

I-95 & US 202 INTERCHANGE

CONTRACT	PERMIT NO.	N634
T200510602	DESIGNED BY:	DEM
COUNTY	CHECKED BY:	DRK
NEW CASTLE		

CONCORD PIKE (US 202) & I-95 NB OFF RAMP 2 ULTIMATE SIGNAL PLAN SIGNAL 2 OF 4

SHEET NO.	
480	
TOTAL SHTS.	
482	

UNOFFICIAL WEBSITE COPY

NOTES:

8. PROPOSED DELTRAC JUNCTION WELL. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

9. PROPOSED DELTRAC CONDUIT. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

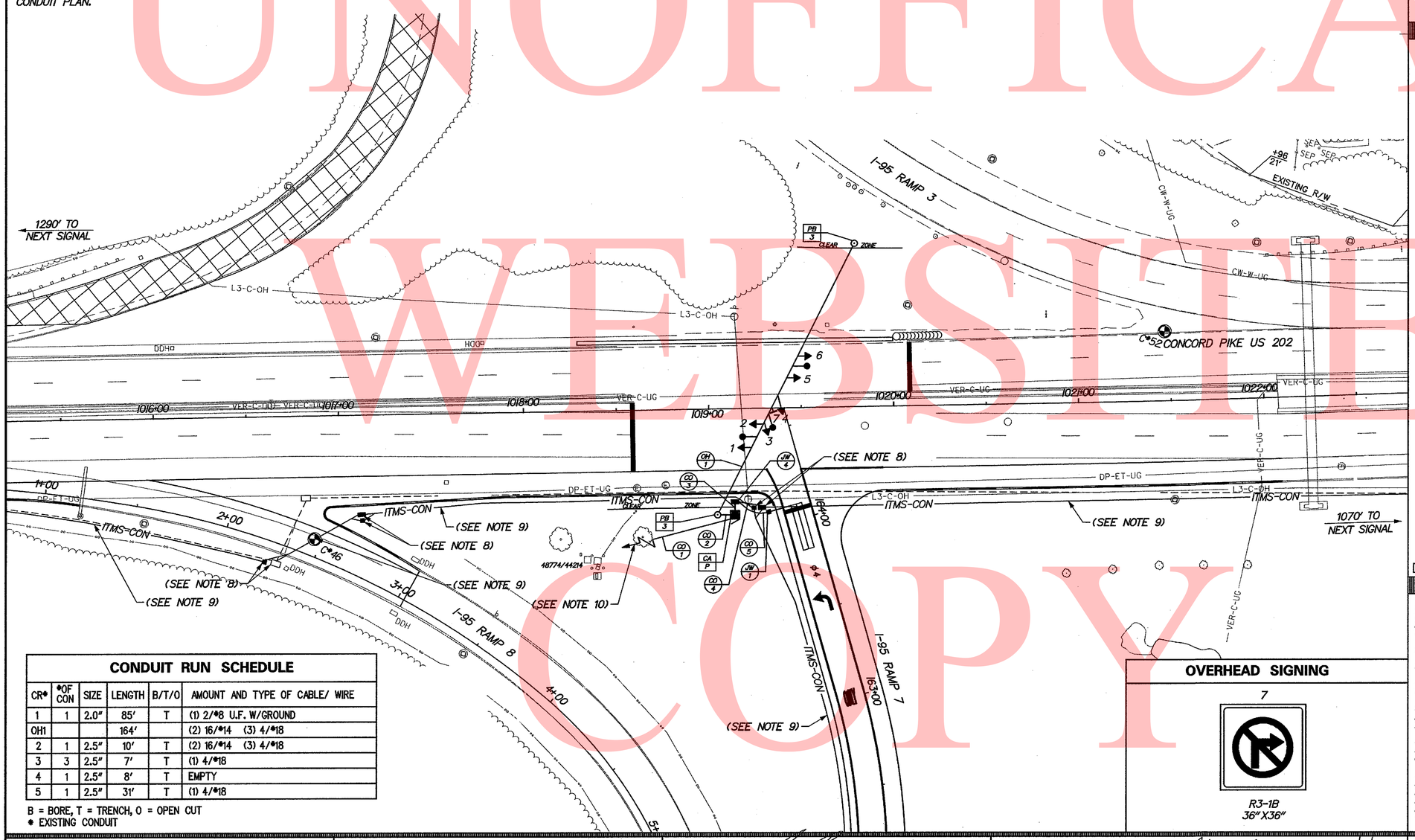
10. ELECTRIC SERVICE FOR SIGNAL PROVIDED FROM CONECTIV TRANSFORMER, NUMBER 48774/44214.

11. INTERIM SIGNAL TO BE OPERATIONAL IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN. REPOSITION SIGNAL HEADS ON SPAN TO ACOMMODATE TEMPORARY TRAFFIC PATTERNS. SIGNAL IS TO BE OPERATION WHEN RAMP 7 IS OPEN TO TRAFFIC AT THE START OF PHASE 1, STAGE 4. ADJUST THE LOCATION OF SIGNAL HEADS, AS REQUIRED, FOR PHASE 2, STAGES 1 & 2 AND PHASE 3, STAGES 1, 2 & 3. CONTACT MEL PETERS (302-222-5920) AT LEAST 10 DAYS PRIOR TO MAKING ANY CHANGES.

12. SIGNAL WILL BE OPERATIONAL UNTIL PHASE 3, STAGE 4 AT WHICH TIME THE ULTIMATE SIGNAL IS TO BE OPERATIONAL.

13. SIGNS AND PAVEMENT MARKINGS ARE TABULATED ON THE SIGNING, STRIPING AND CONDUIT PLAN.

INTERIM SIGNAL



CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1	1	2.0"	85'	T	(1) 2/*8 U.F. W/GROUND
OH1			164'		(2) 16/*14 (3) 4/*18
2	1	2.5"	10'	T	(2) 16/*14 (3) 4/*18
3	3	2.5"	7'	T	(1) 4/*18
4	1	2.5"	8'	T	EMPTY
5	1	2.5"	31'	T	(1) 4/*18

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

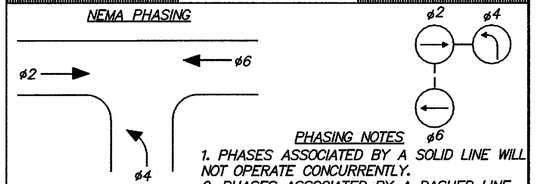
OVERHEAD SIGNING

7

R3-1B
36"X36"

SIGNAL PHASING

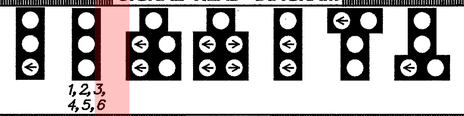
NEMA PHASING



PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SIGNAL HEAD DIAGRAM



LEGEND

- PROPOSED SIGNAL CABINET
- EXISTING SIGNAL CABINET
- PROPOSED SIGNAL POLE BASE
- EXISTING SIGNAL POLE BASE
- PROPOSED PEDESTRIAN POLE BASE
- EXISTING PEDESTRIAN POLE BASE
- PROPOSED WOOD POLE
- EXISTING UTILITY POLE
- PROPOSED JUNCTION WELL
- EXISTING JUNCTION WELL
- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN PUSHBUTTON
- EXISTING PEDESTRIAN PUSHBUTTON
- PROPOSED VIDEO DETECTION
- EXISTING VIDEO DETECTION
- PROPOSED MICROWAVE DETECTION
- EXISTING MICROWAVE DETECTION
- OVERHEAD SIGNING
- PROPOSED OPTICOM RECEIVER
- EXISTING OPTICOM RECEIVER
- PROPOSED MAST ARM
- EXISTING MAST ARM
- PROPOSED LUMINAIRE
- EXISTING LUMINAIRE
- PROPOSED LOOP DETECTOR (TYPE 1 OR 2)
- REMOVE BY CONTRACTOR
- REMOVE BY OTHERS
- ABANDON
- PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
- PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
- PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
- EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)
- PROPOSED OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
- EXISTING OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
- PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
- EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
- PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
- EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
- PROPOSED SPAN WIRE
- EXISTING SPAN WIRE
- RIGHT-OF-WAY OR PROPERTY LINE
- PROPOSED SPAN INSULATOR
- EXISTING SPAN INSULATOR
- SERVICE PEDESTAL
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GENERAL SIGNAL NOTES

1. LOOP DETECTORS -
TYPE *1 AND SYSTEM LOOPS - 6'X6' - TO BE INSTALLED ON MAIN STREET THROUGH MOVEMENTS.
TYPE *2 - 6'X25' - TO BE INSTALLED ON SIDE STREET TURN MOVEMENT.

2. ALL SIGNAL SPAN POLES WILL BE 32'.

3. CR 1 IS NOT DRAWN TO SCALE, NOR IS THE DIRECTION NECESSARILY CORRECT.

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UNOFFICIAL WEBSITE COPY

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: 2.2.10

APPROVED TRAFFIC ENGINEER _____ DATE: 2/2/10

APPROVED FOR INSTALLATION
CHIEF TRAFFIC ENGINEER _____ DATE: 2/2/10

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUM /REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	PERMIT NO.	N743
T200510602	DESIGNED BY:	DEM
COUNTY: NEW CASTLE	CHECKED BY:	DRK

CONCORD PIKE (US 202) & I-95 SB OFF RAMP 7 MOT PHASE 3, STAGE 1 INTERIM SIGNAL PLAN SIGNAL 3 OF 4

SHEET NO.	481
TOTAL SHTS.	482

NOTES:

9. PROPOSED DELTRAC JUNCTION WELL. REFER TO SIGNING, STRIPING & CONDUIT PLAN.

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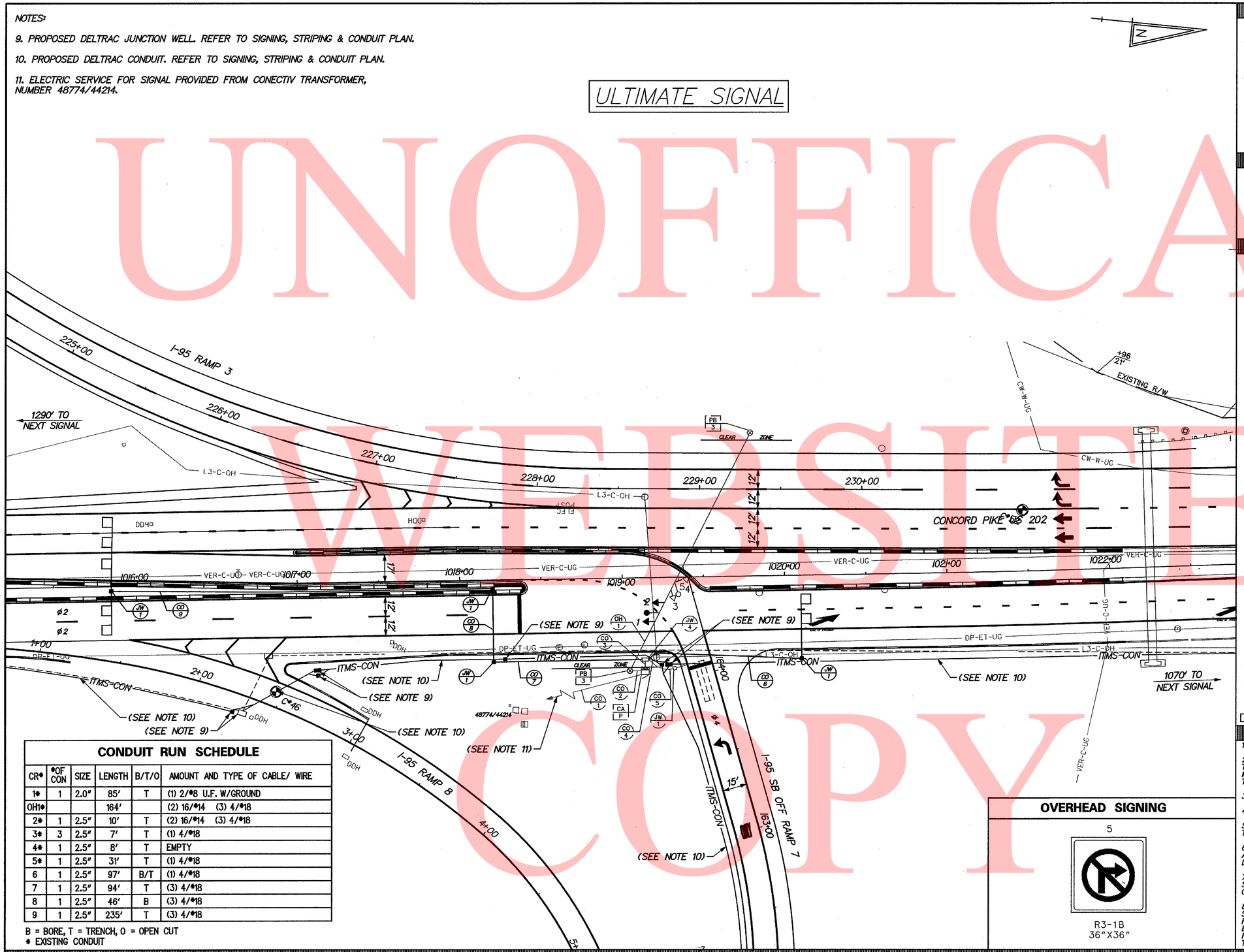
11. ELECTRIC SERVICE FOR SIGNAL PROVIDED FROM CONECTIV TRANSFORMER, NUMBER 48774/44214.

ULTIMATE SIGNAL



CONDUIT RUN SCHEDULE

CR*	*OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
1*	1	2.0"	85'	T	(1) 2/*8 U.F. W/GROUND
OH1*			164'		(2) 16/*14 (3) 4/*18
2*	1	2.5"	10'	T	(2) 16/*14 (3) 4/*18
3*	3	2.5"	7'	T	(1) 4/*18
4*	1	2.5"	8'	T	EMPTY
5*	1	2.5"	31'	T	(1) 4/*18
6	1	2.5"	97'	B/T	(1) 4/*18
7	1	2.5"	94'	T	(3) 4/*18
8	1	2.5"	46'	B	(3) 4/*18
9	1	2.5"	235'	T	(3) 4/*18

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

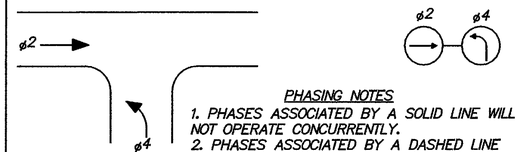
OVERHEAD SIGNING

5

R3-1B
36"X36"

SIGNAL PHASING

NEMA PHASING



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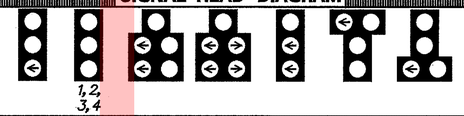

LEGEND

PROPOSED SIGNAL CABINET	RM/C	REMOVE BY CONTRACTOR
EXISTING SIGNAL CABINET	RM/O	REMOVE BY OTHERS
PROPOSED SIGNAL POLE BASE	AB	ABANDON
EXISTING SIGNAL POLE BASE	PB/X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
PROPOSED PEDESTRIAN POLE BASE	PB/X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
EXISTING PEDESTRIAN POLE BASE	JW/X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
PROPOSED WOOD POLE	JW/X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
EXISTING UTILITY POLE	CO/●	PROPOSED CONDUIT RUN IDENTIFIER (● OF CONDUIT RUN)
PROPOSED JUNCTION WELL	CO/●	EXISTING CONDUIT RUN IDENTIFIER (● OF CONDUIT RUN)
EXISTING JUNCTION WELL	OH/●	PROPOSED OVERHEAD RUN IDENTIFIER (● OF OVERHEAD RUN)
PROPOSED SIGNAL HEAD	OH/●	EXISTING OVERHEAD RUN IDENTIFIER (● OF OVERHEAD RUN)
EXISTING SIGNAL HEAD	MA/XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)
PROPOSED PEDESTRIAN SIGNAL HEAD	MA/XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)
EXISTING PEDESTRIAN SIGNAL HEAD	CA/X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)
PROPOSED PEDESTRIAN PUSHBUTTON	CA/X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)
EXISTING PEDESTRIAN PUSHBUTTON		PROPOSED SPAN WIRE
PROPOSED VIDEO DETECTION	XX	EXISTING SPAN WIRE
EXISTING VIDEO DETECTION		RIGHT-OF-WAY OR PROPERTY LINE
PROPOSED MICROWAVE DETECTION		PROPOSED SPAN INSULATOR
EXISTING MICROWAVE DETECTION		EXISTING SPAN INSULATOR
OVERHEAD SIGNING	P	SERVICE PEDESTAL
PROPOSED OPTICOM RECEIVER		EXISTING LOOP DETECTOR (TYPE 1 OR 2)
EXISTING OPTICOM RECEIVER		
PROPOSED MAST ARM		
EXISTING MAST ARM		
PROPOSED LUMINAIRE		
EXISTING LUMINAIRE		
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UNOFFICIAL WEBSITE COPY

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APPROVED TRAFFIC ENGINEER _____ DATE: 2/2/10

APPROVED FOR INSTALLATION
CHIEF TRAFFIC ENGINEER _____ DATE: 2/2/10

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUM /REVISIONS

SCALE
0 30 60 90
FEET

I-95 & US 202 INTERCHANGE

CONTRACT	T200510602
COUNTY	NEW CASTLE
PERMIT NO.	N743
DESIGNED BY:	DEM
CHECKED BY:	DRK

CONCORD PIKE (US 202) & I-95 SB OFF RAMP 7 ULTIMATE SIGNAL PLAN SIGNAL 4 OF 4

SHEET NO.	482
TOTAL SHTS.	482