

FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:**
1. FINISHED BRIDGE DECK ELEVATIONS SHOWN ARE TOP OF PROPOSED CONCRETE DECK SLAB.
 2. FOR VERTICAL CURVE DATA, SEE DWG. NO. PE-01.
 3. ALL DIMENSIONS SHOWN ARE TO THE EXTERIOR DESIGN FACE OF THE ABUTMENTS, WINGWALLS AND BARRIERS TO ACCOUNT FOR 2" OF CLEAR COVER FOR EPOXY COATED REBAR. THESE DIMENSIONS DO NOT TAKE INTO ACCOUNT THE EXTRA THICKNESS NEEDED TO ACHIEVE THE FORMLINED FINISH AS SHOWN ON THE PLANS. 1. FOR DIAPHRAGM AND GIRDER DETAILS, SEE SHEET BM-02.
 4. FOR FIELD SPLICE DETAILS, SEE SHEET BM-03.

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ADDENDUMS / REVISIONS

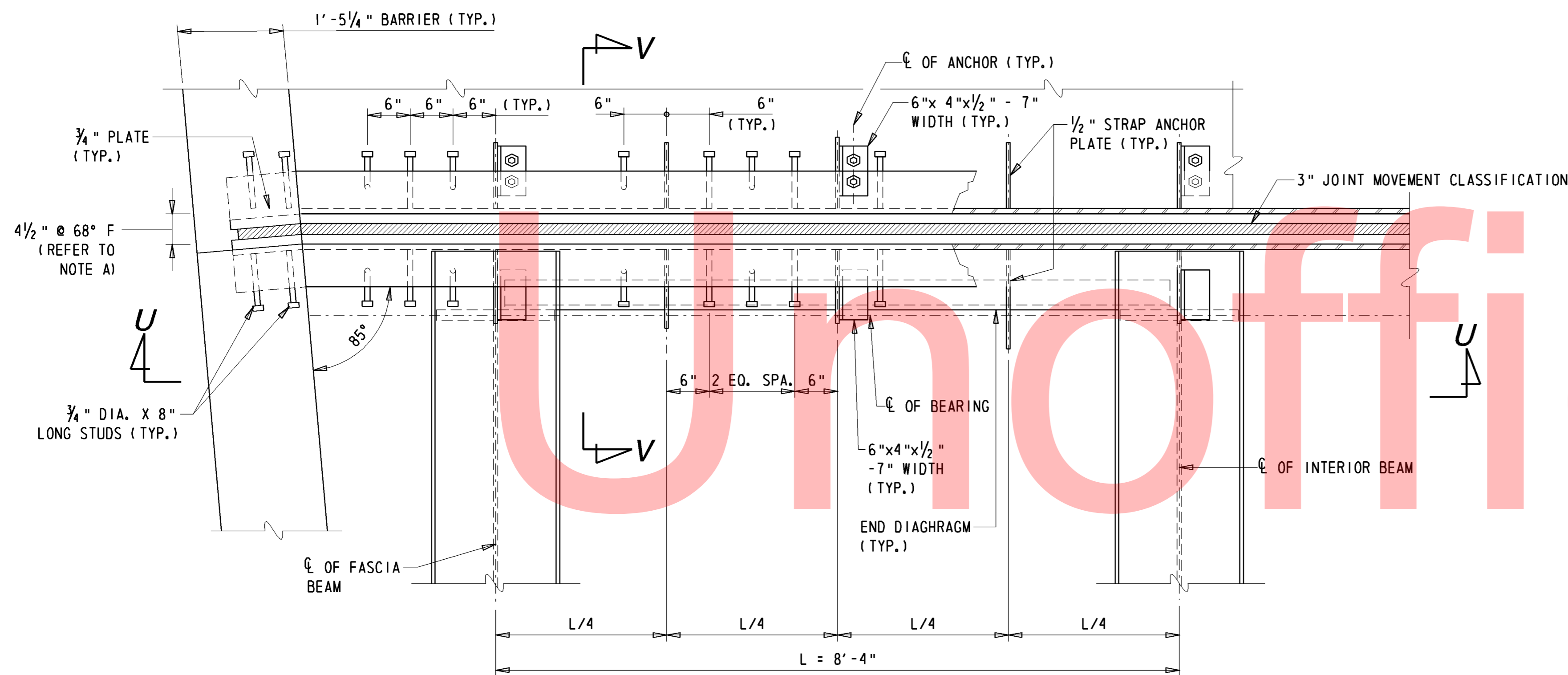
SCALE AS NOTED

**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	1-678
T201109002	DESIGNED BY: PAM	
COUNTY	CHECKED BY: KL	
NEW CASTLE		

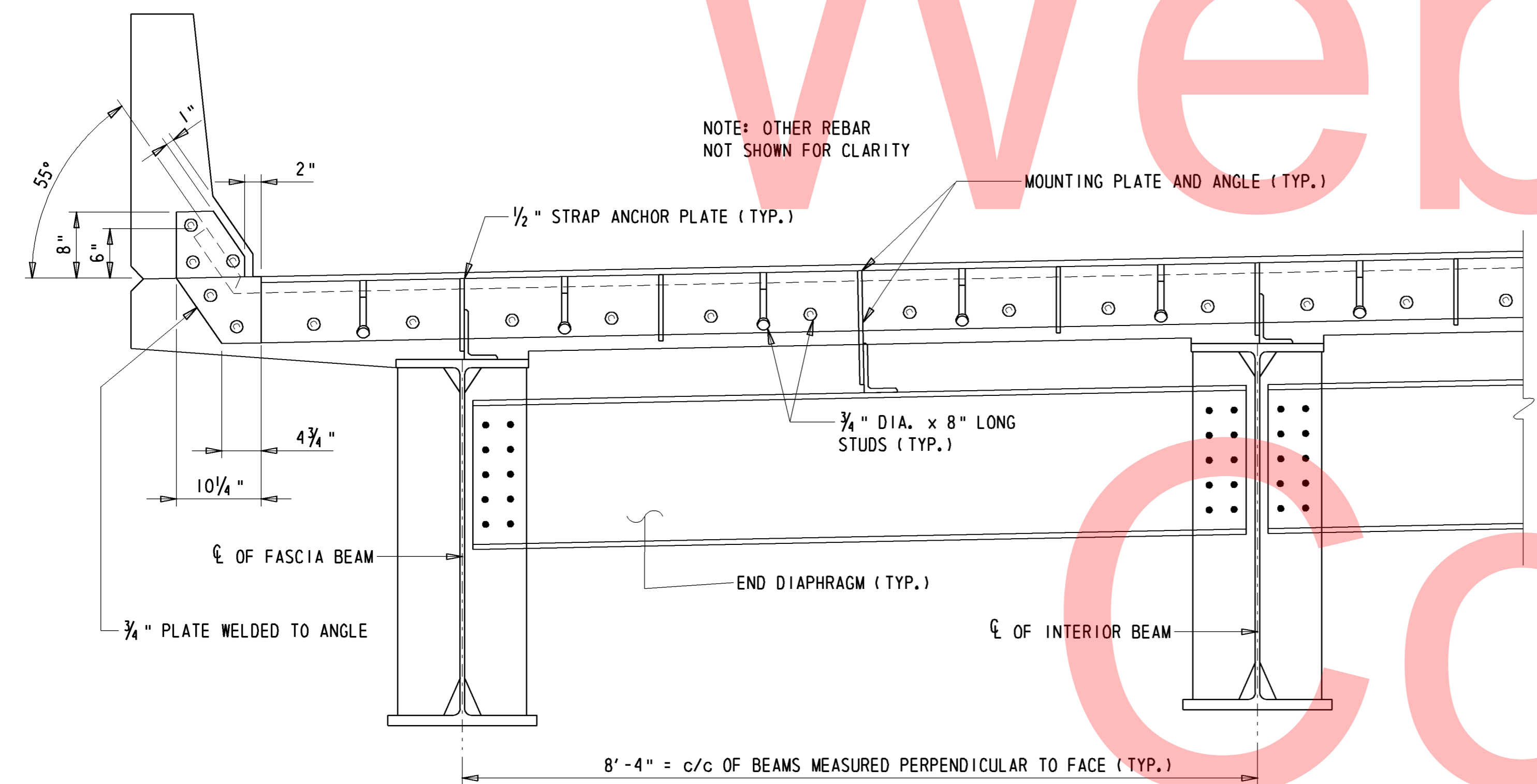
**FINISHED BRIDGE DECK
ELEVATIONS**

FD-01
SHEET NO.
201
TOTAL SHTS.
481



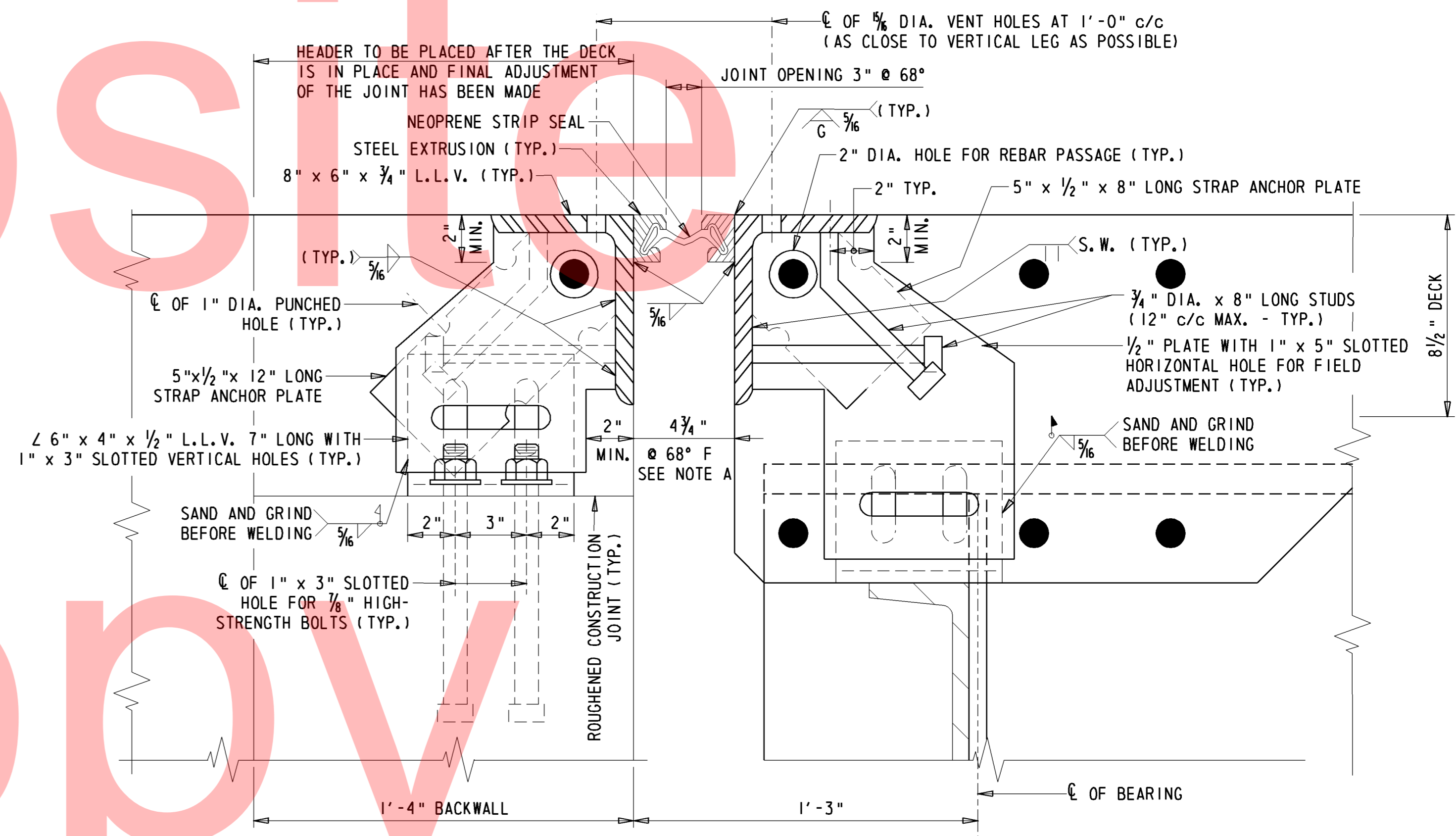
TYPICAL JOINT PLAN

1" = 1'-0"



SECTION U-U

1" = 1'-0"



SECTION V-V

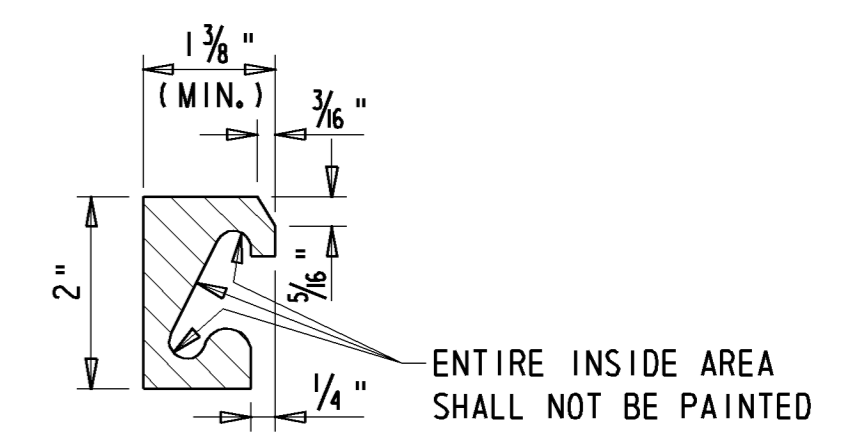
N. T. S.

EXPANSION JOINT NOTES:

1. STEEL FOR DECK JOINTS AND STEEL EXTRUSIONS SHALL BE AASHTO M270, GR. 36 (ASTM A36)
2. NEOPRENE EXTRUSION TO MEET D-2628-81 MODIFIED, (RECOVERY TESTS EXCLUDED).
3. THE EXPANSION JOINT SHALL BE CAPABLE OF SEALING THE DECK TO PREVENT MOISTURE AND OTHER CONTAMINANTS FROM DESCENDING THROUGH THE JOINT.
4. ENTIRE EXPANSION DAM SHALL BE PAINTED AFTER FABRICATION USING URETHANE SYSTEM, EXCEPT AS NOTED.
5. LUBRICANT-ADHESIVE FOR USE IN INSTALLING AND BONDING NEOPRENE SEAL ELEMENTS TO STEEL JOINT COMPONENTS SHALL BE A ONE QUART MOISTURE-CURING POLYURETHAN AND HYDROCARBON SOLVENT MIXTURE HAVING THE FOLLOWING PHYSICAL PROPERTIES:

AVERAGE WEIGHT, POUNDS PER GALLON	8 +/- 10%
SOLIDS CONTENT	65%
ADHESIVE SHALL REMAIN LIQUID FROM	5°F TO 120°F
FILM STRENGTH, AS PER ASTM D-412	2,000 PSI
ELONGATION	250%
6. HOLES SHALL BE PLACED IN THE RIB PLATES AND STRAP ANCHOR PLATES FOR BAR REINFORCEMENT. IF THIS IS DONE IN THE FIELD AN APPROVED PAINT SHALL BE USED TO TOUCH-UP THE HOLES.

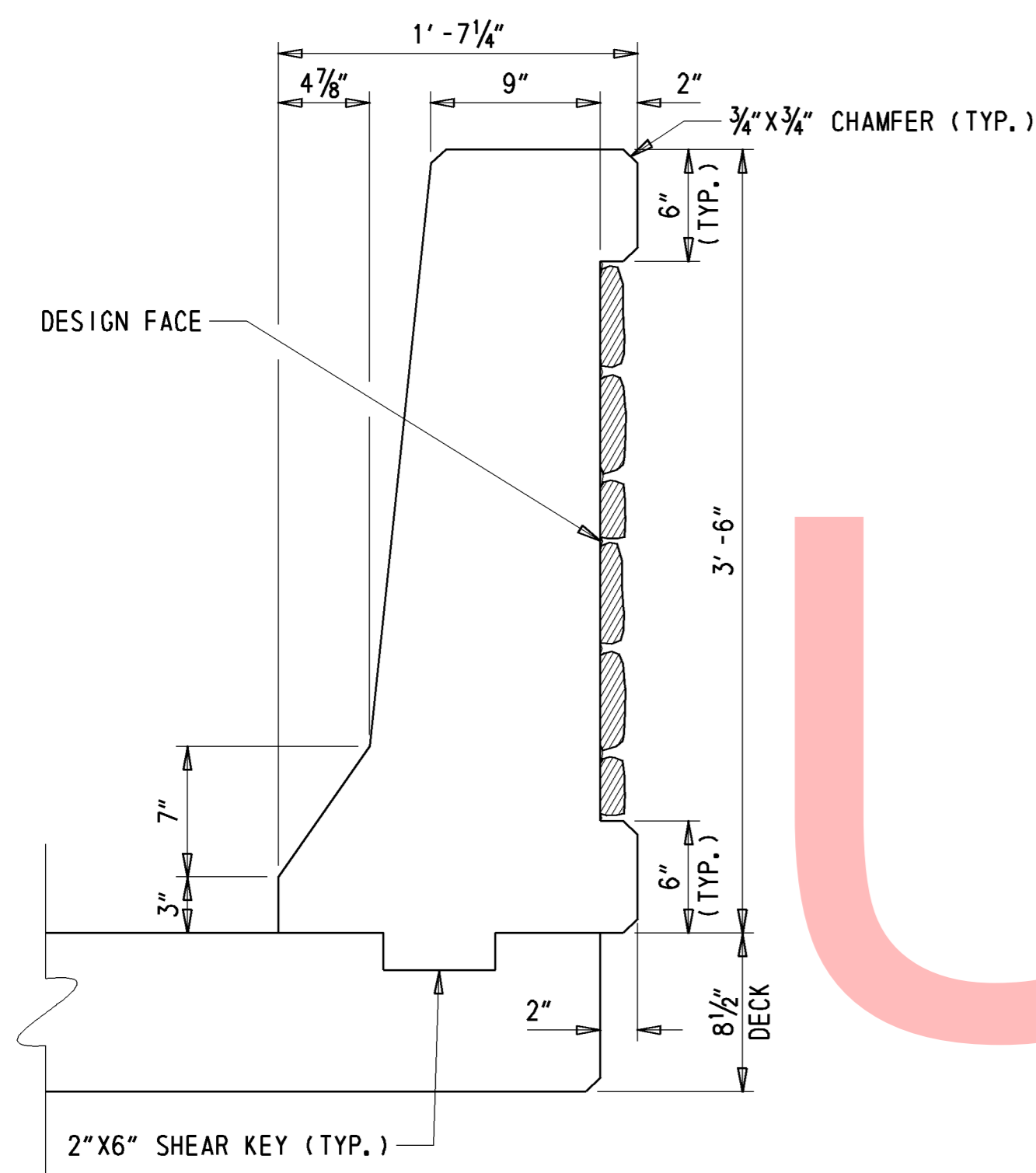
NOTE A:
THE CONTRACTOR SHALL ADJUST THE OPEN DECK JOINT AS REQUIRED BY THE WIDTH OF THE STEEL EXTRUSION USED SO AS TO PROVIDE A 3" JOINT OPENING AT 68°F.



STEEL EXTRUSION DETAIL

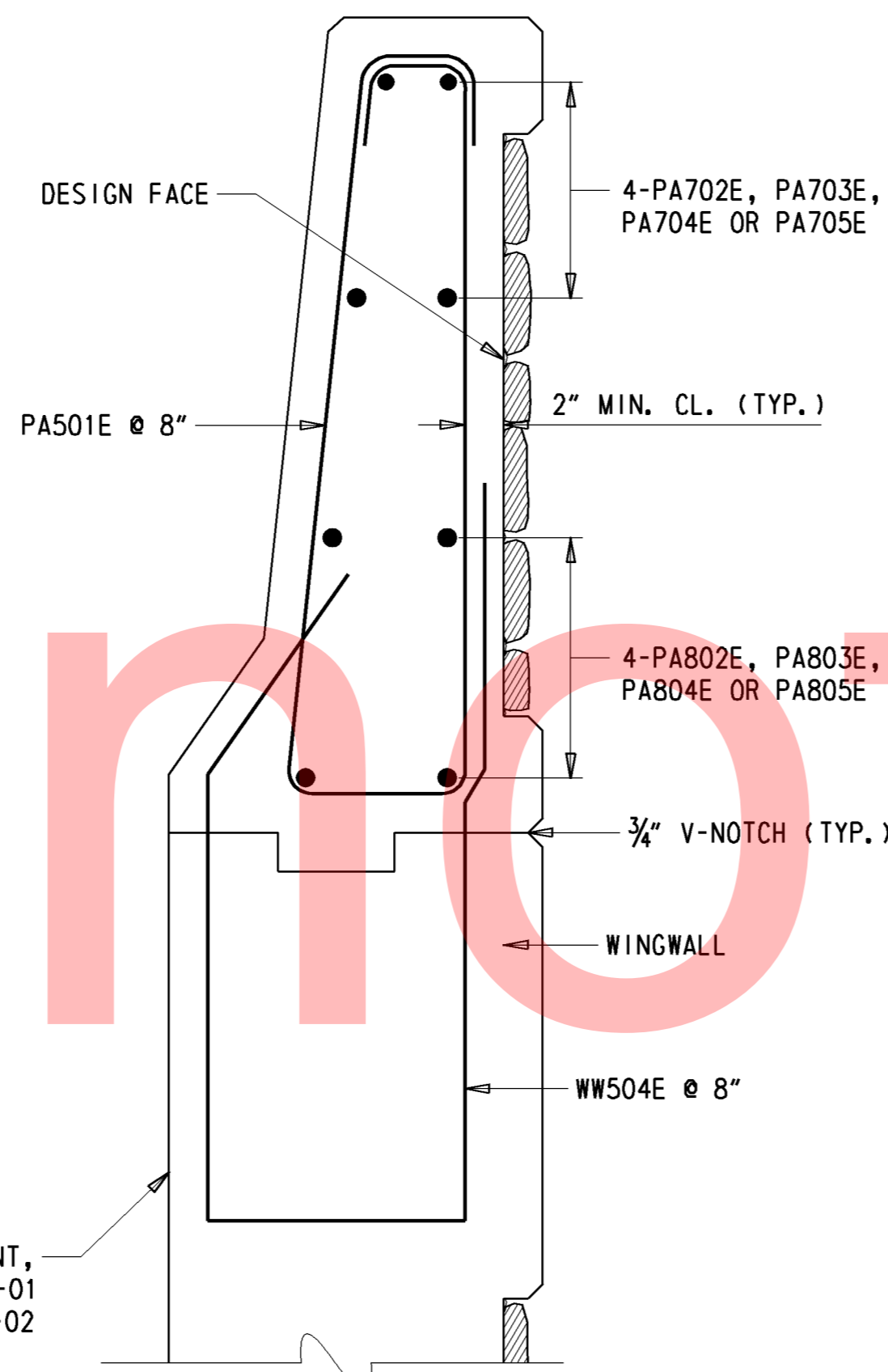
6" = 1'-0"

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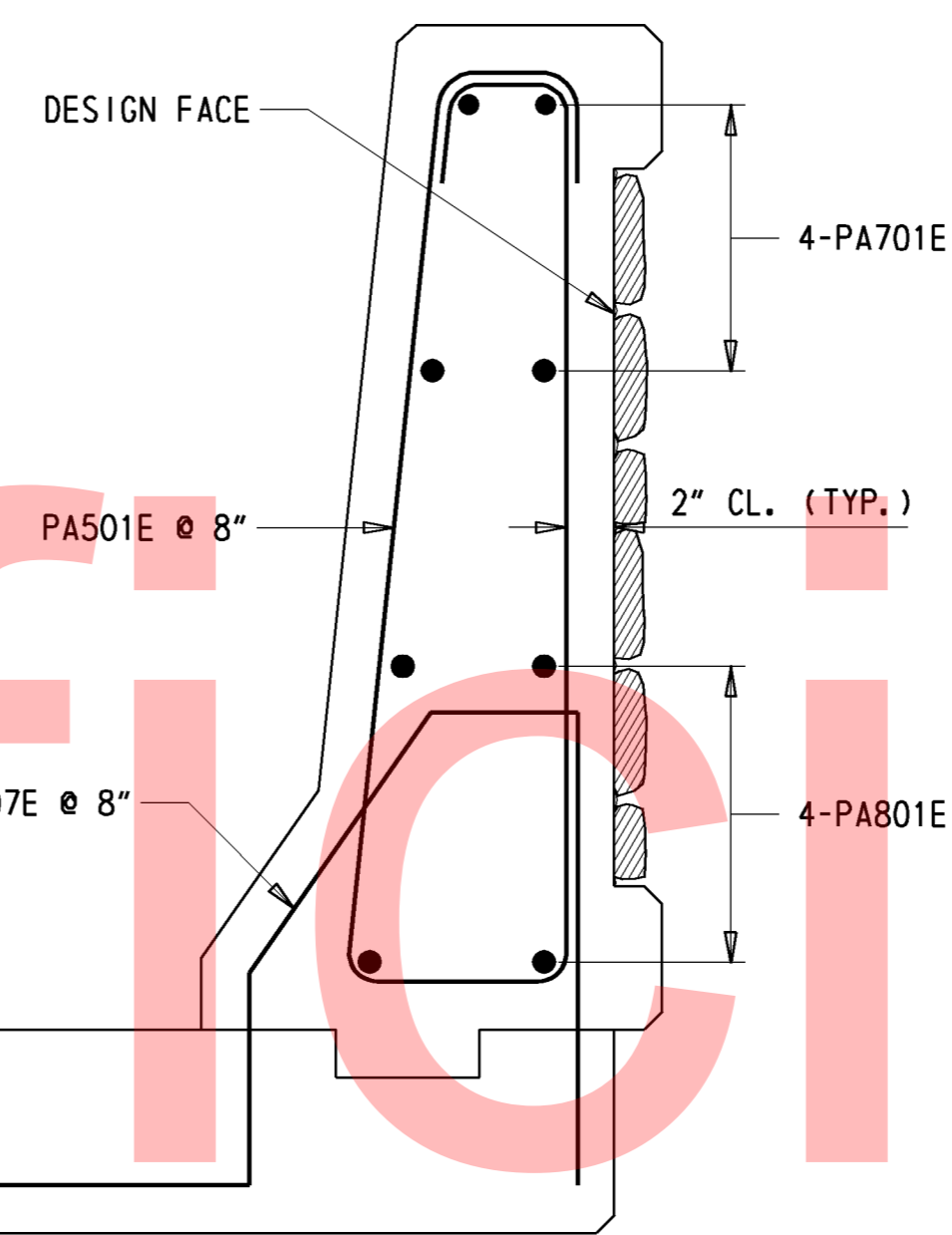


TYPICAL BARRIER SECTION

FOR WINGWALL REINFORCEMENT, PLEASE REFER TO SHEETS WW-01 AND WW-02

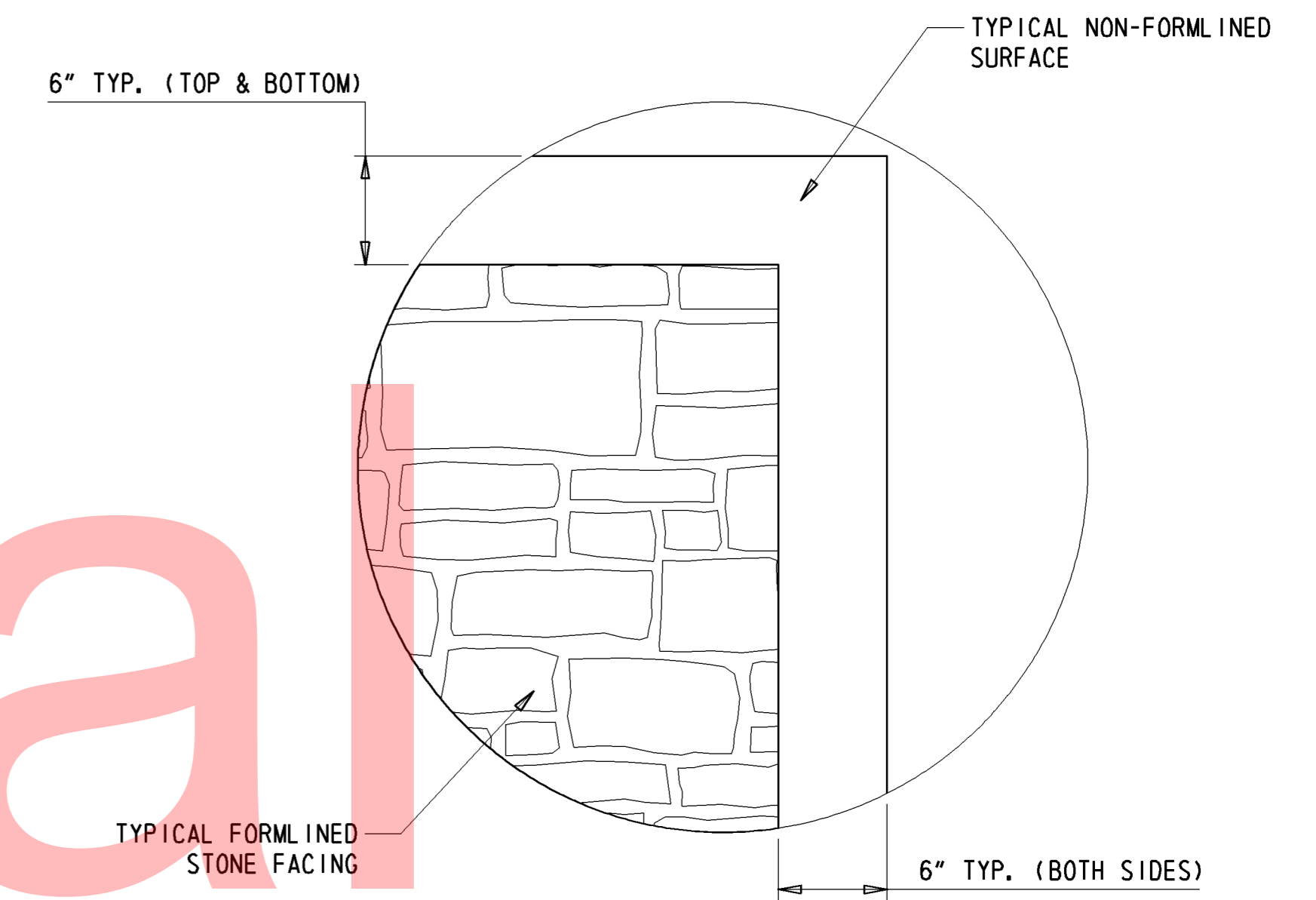


TYPICAL SECTION @ WINGWALL



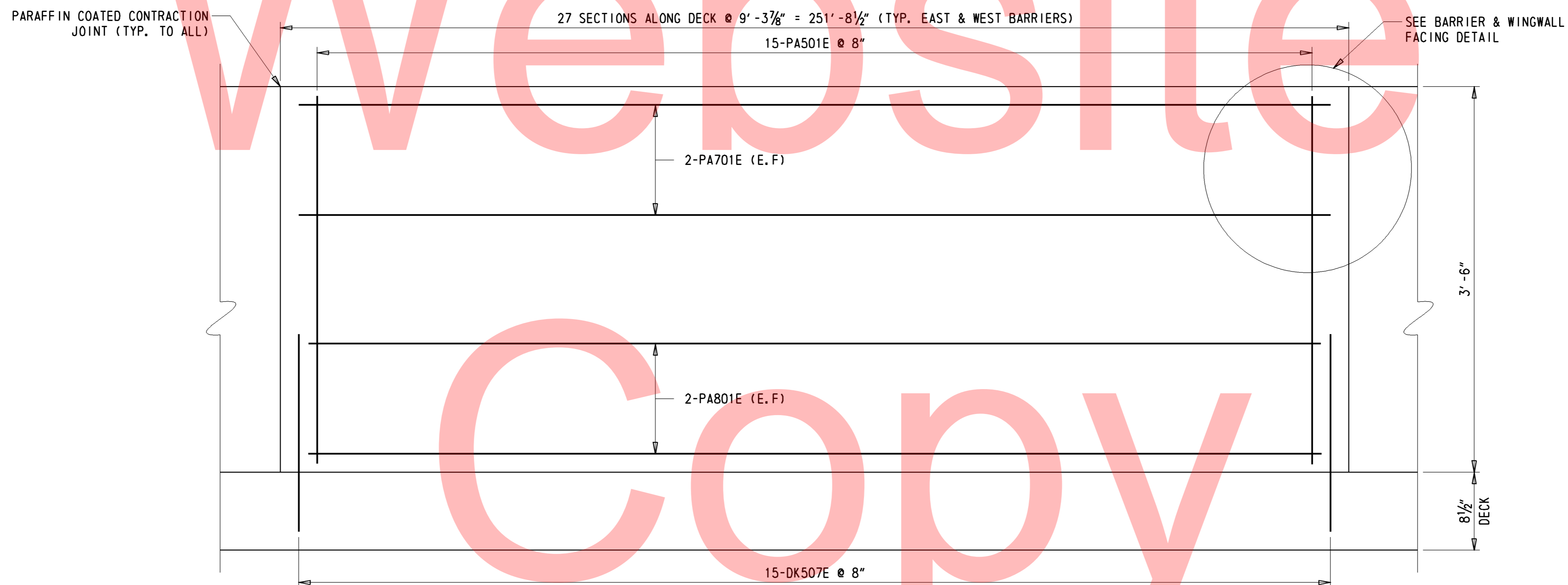
TYPICAL SECTION @ DECK

NOTE:
1. FOR BARRIER ELEVATION VIEW AND REINFORCEMENT DETAILS AT WINGWALLS, SEE SHEET WW-01.



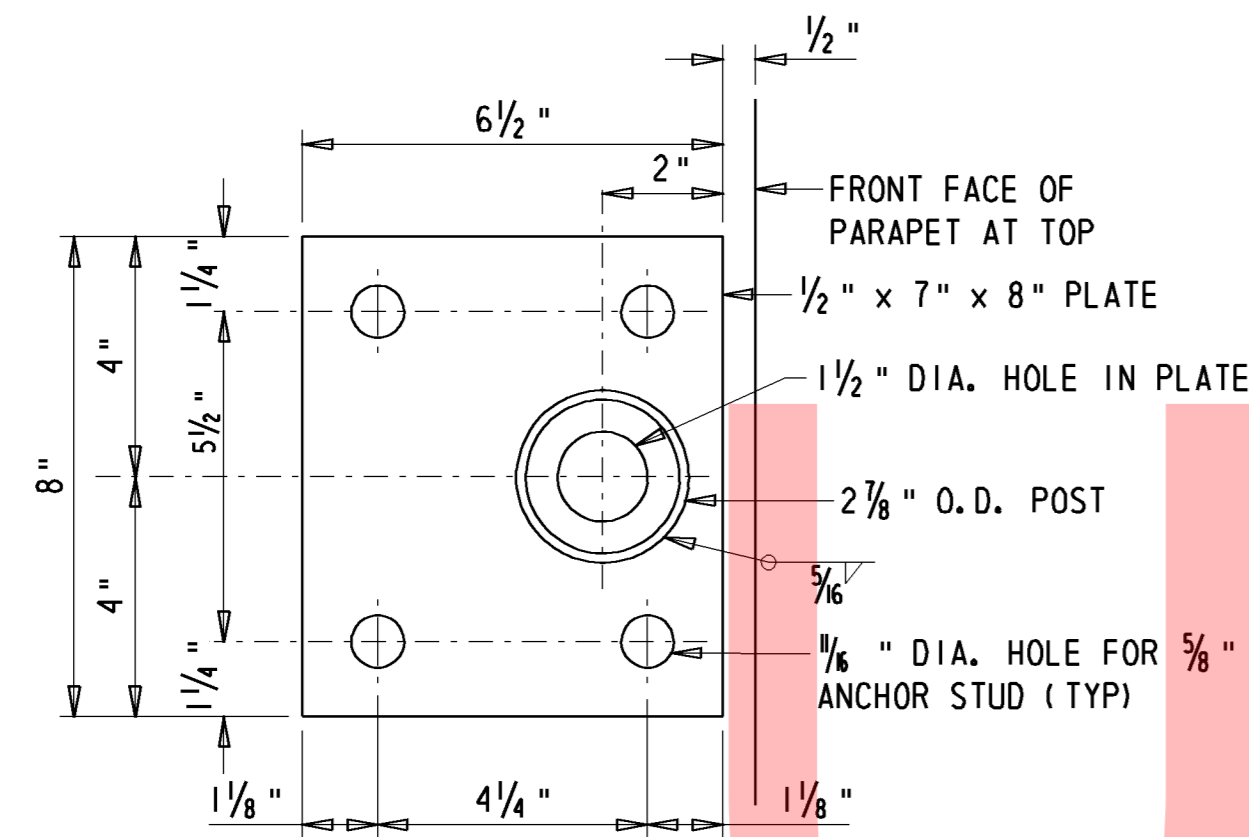
BARRIER & WINGWALL FACING DETAIL

NOTE:
1. ALL DIMENSIONS SHOWN ARE TO THE EXTERIOR DESIGN FACE OF THE ABUTMENT, WINGWALLS, AND BARRIER TO ACCOUNT FOR 2" OF CLEAR COVER FOR EPOXY COATED REBAR. THESE DIMENSIONS DO NOT TAKE INTO ACCOUNT THE EXTRA THICKNESS NEEDED TO ACHIEVE THE FORM LINED FINISH AS SHOWN ON THE PLANS.

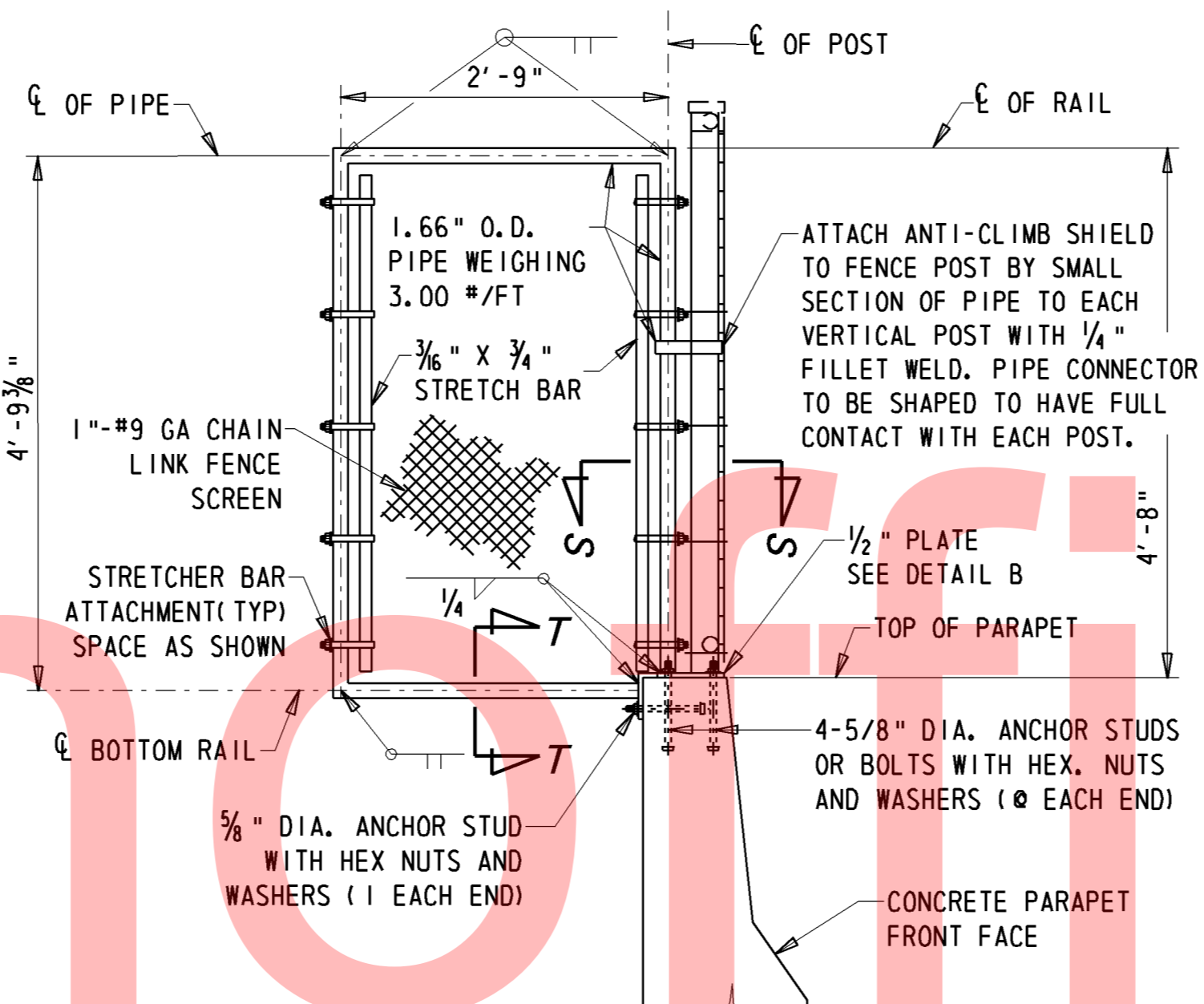


DECK BARRIER ELEVATION

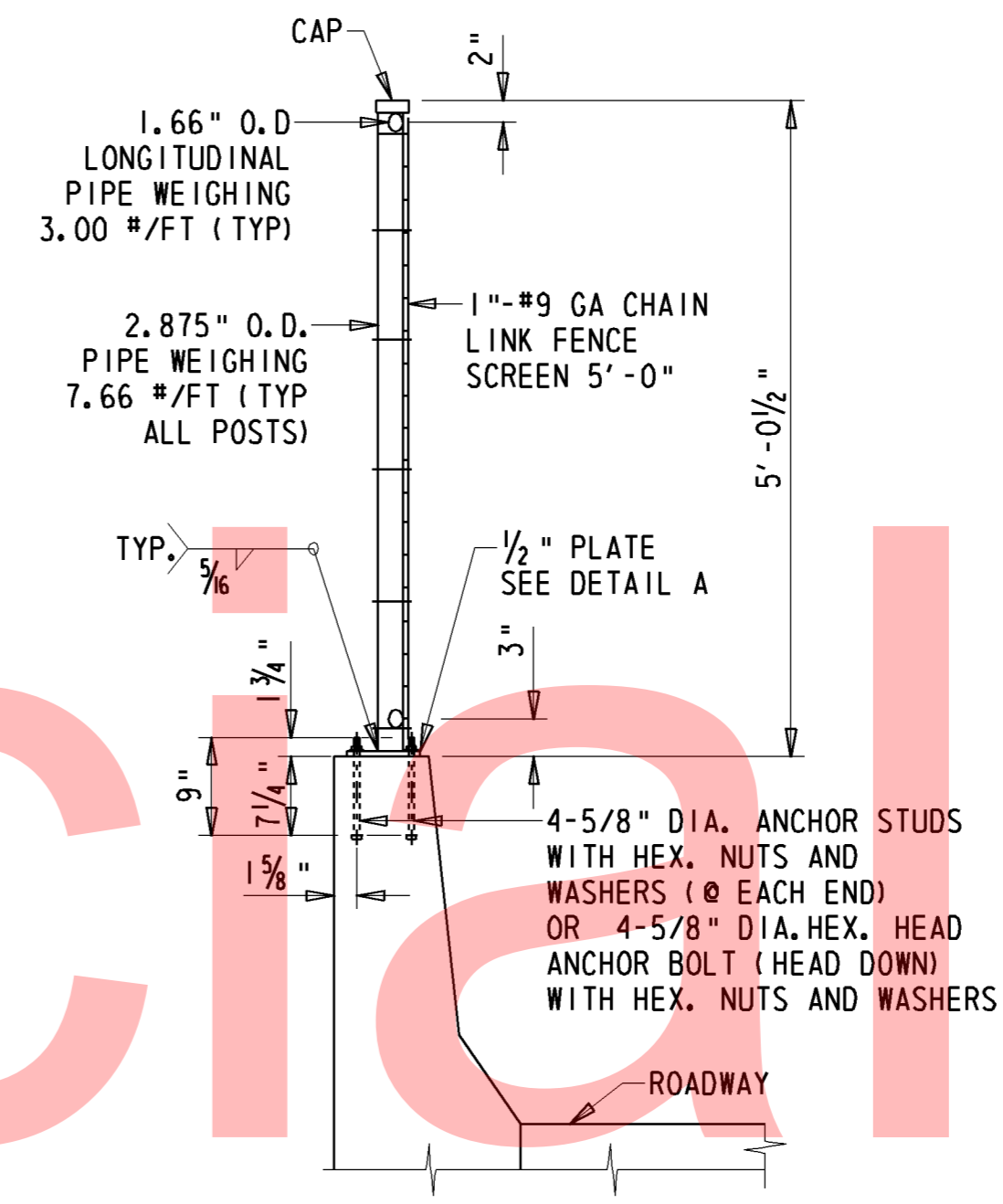
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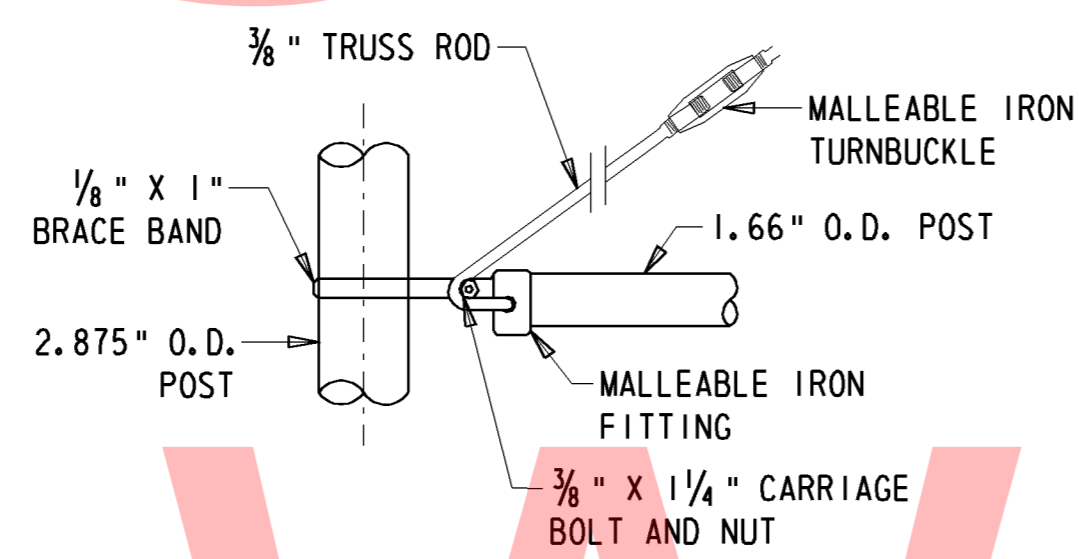
BASE PLATE DETAIL
N. T. S.



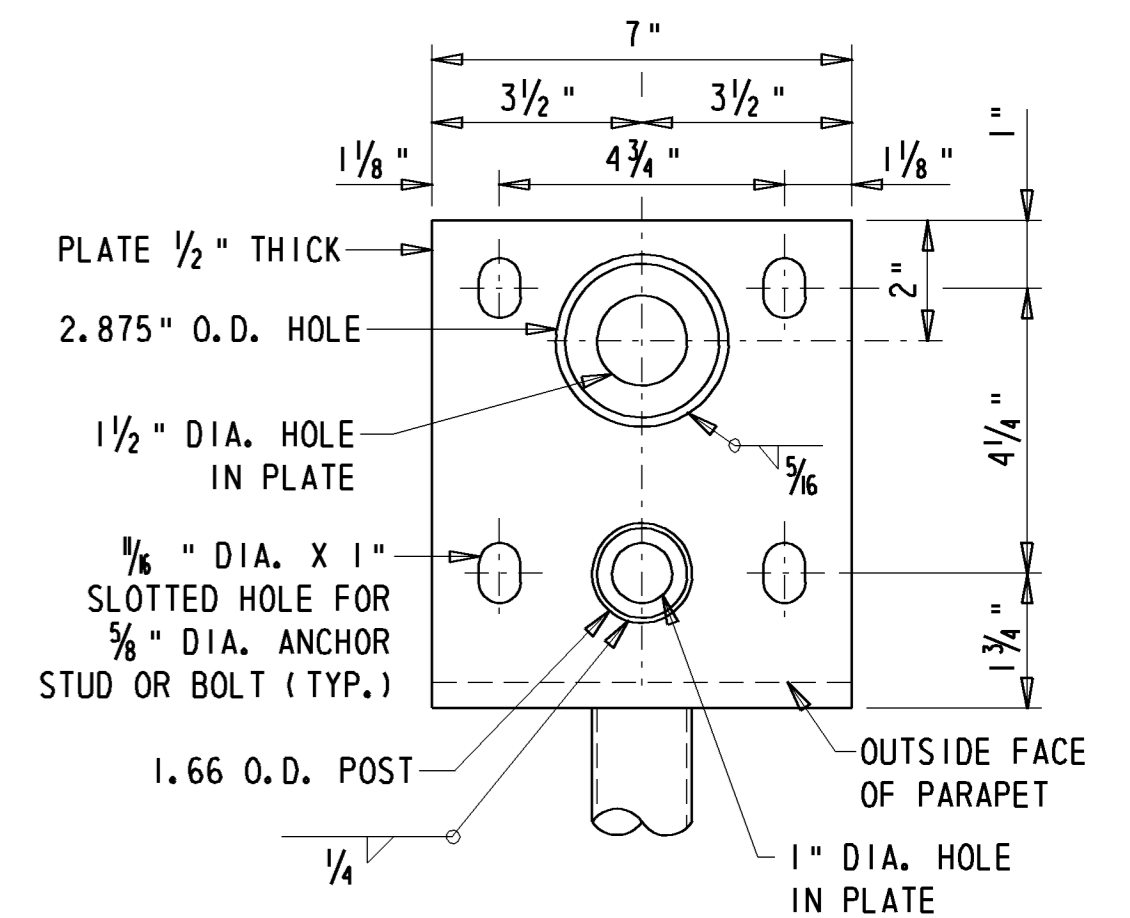
ANTI-CLIMB SHIELD DETAIL
N. T. S.



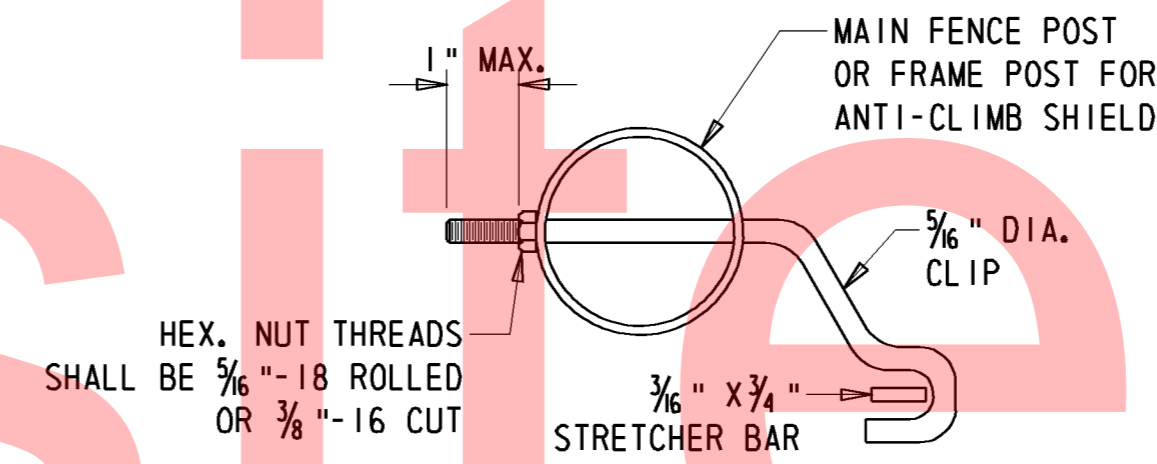
SECTION R-R
N. T. S.



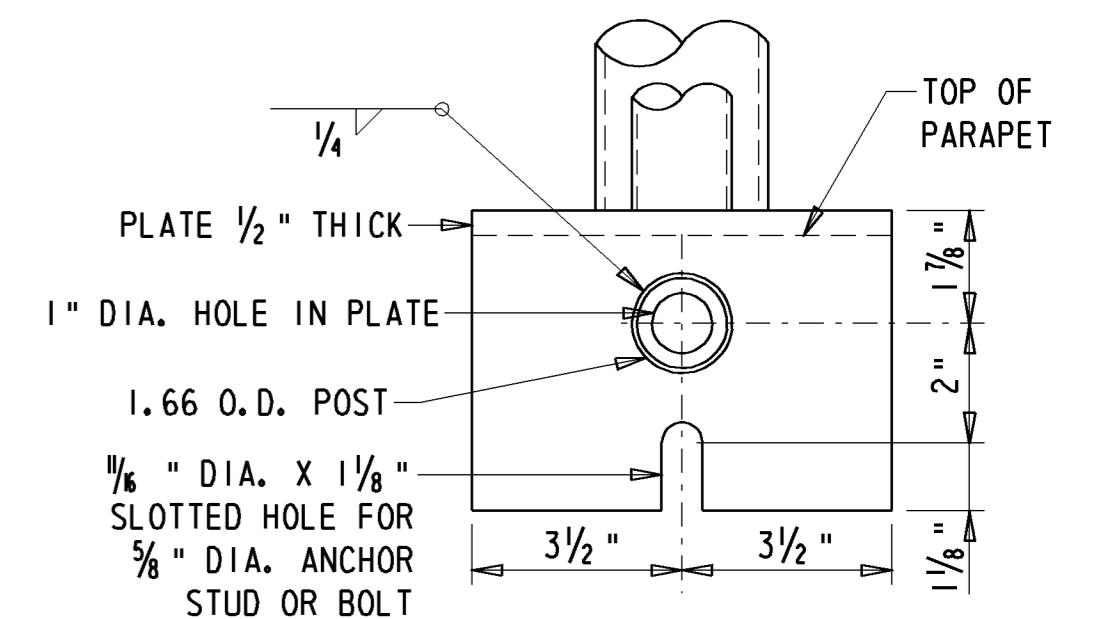
TRUSS ROD ATTACHMENT
N. T. S.



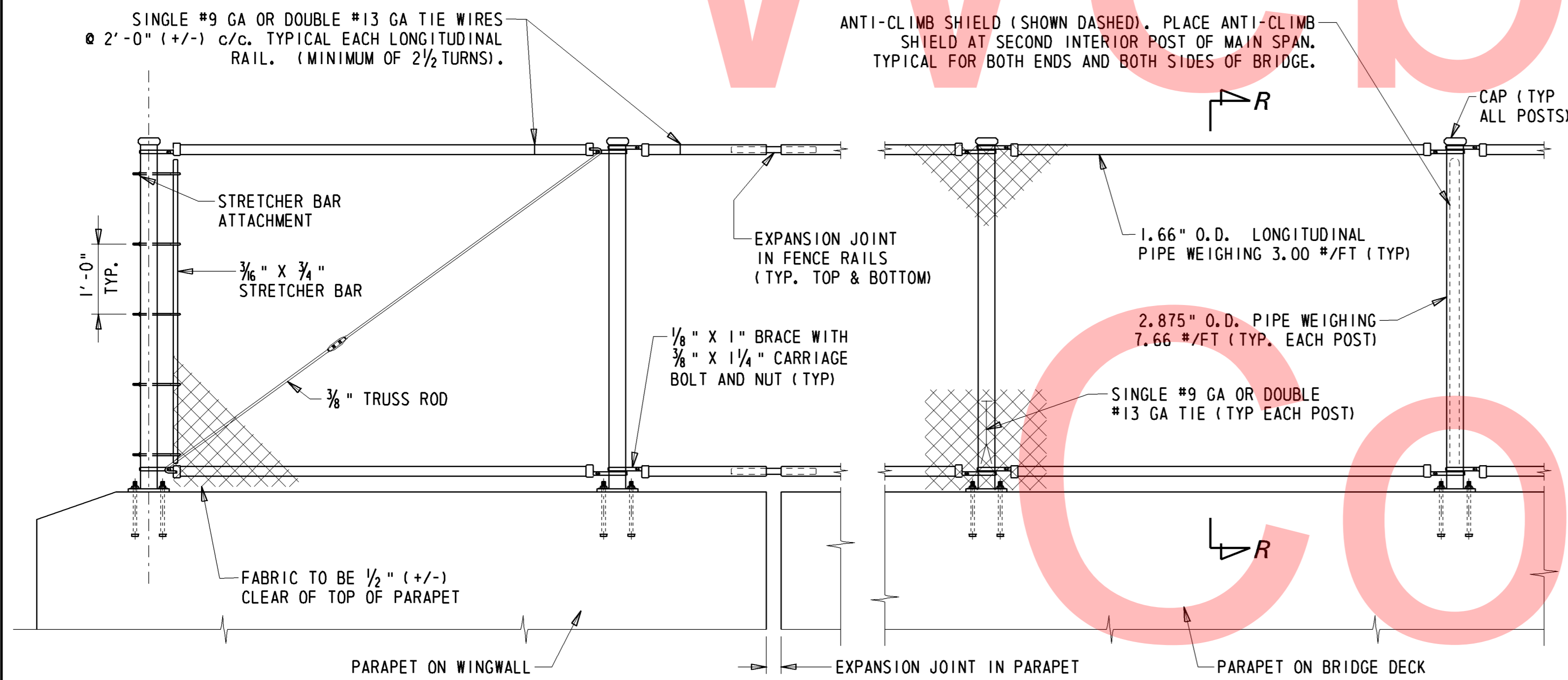
SECTION S-S
N. T. S.



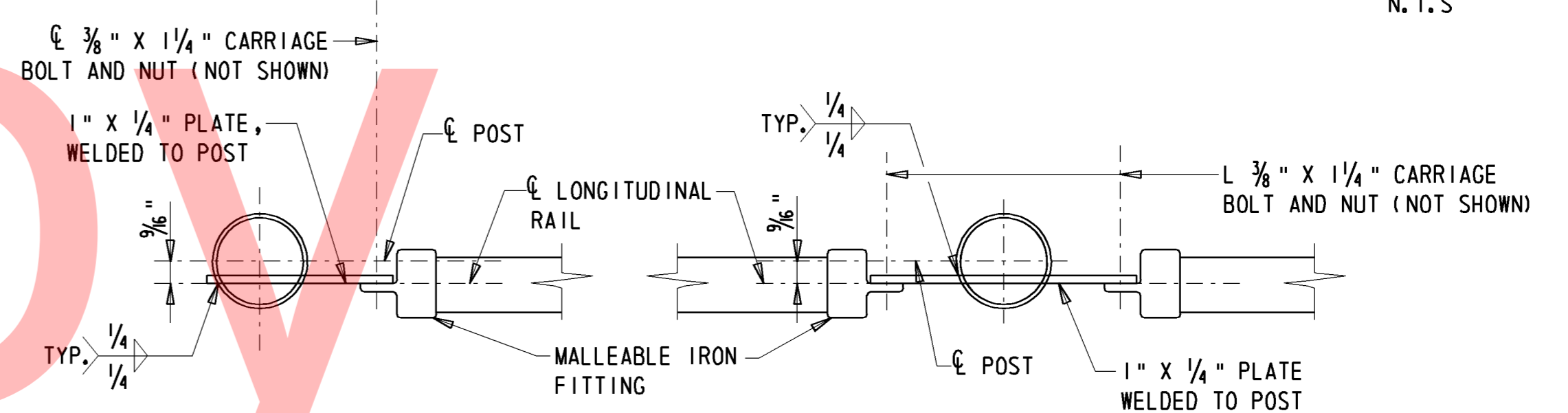
STRETCHER BAR ATTACHMENT
1/2" = 1'-0"



SECTION T-T
N. T. S.



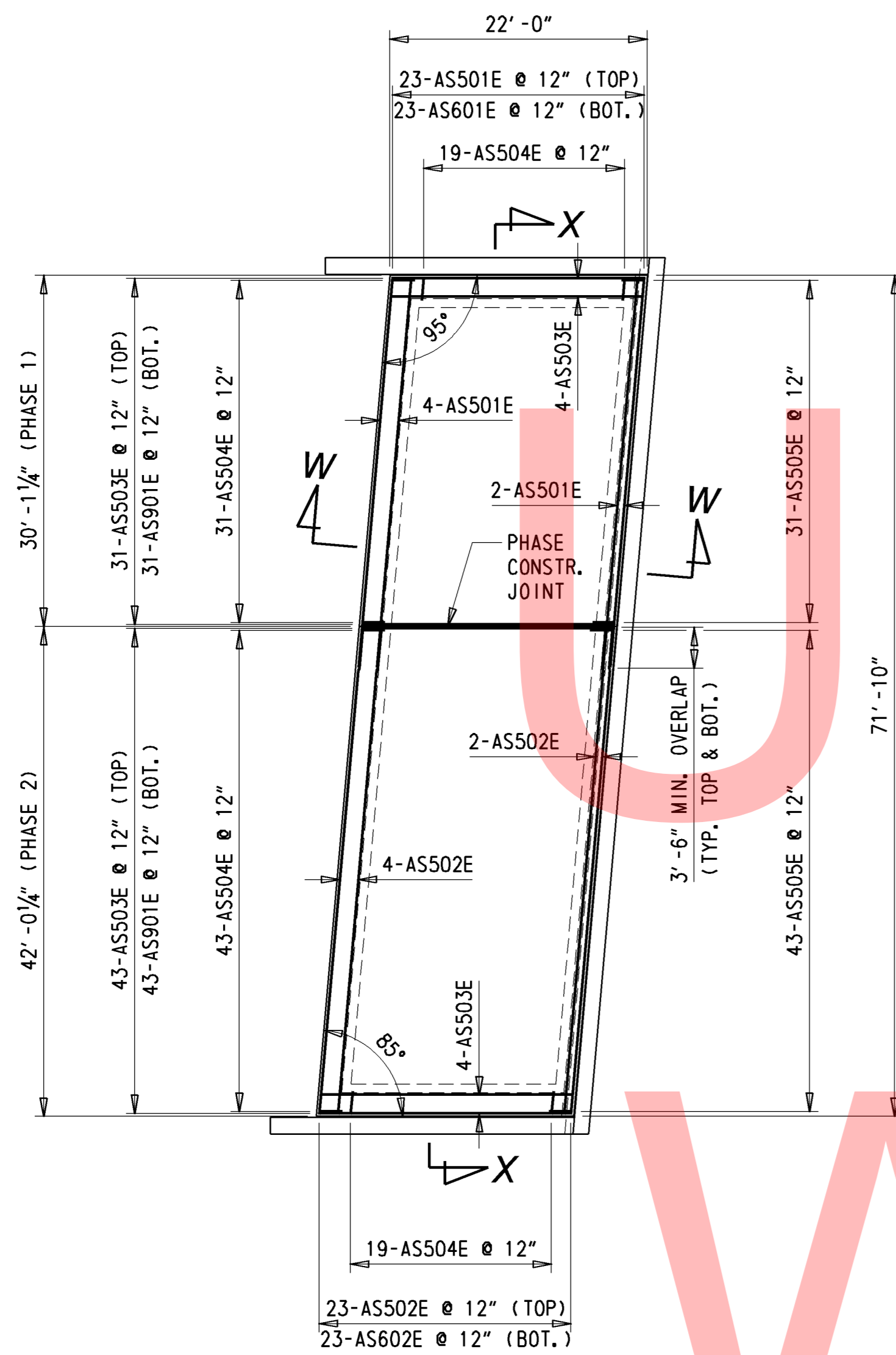
SAFETY FENCE ELEVATION
N. T. S.



TOP LONGITUDINAL RAIL-POST ATTACHMENT
N. T. S.

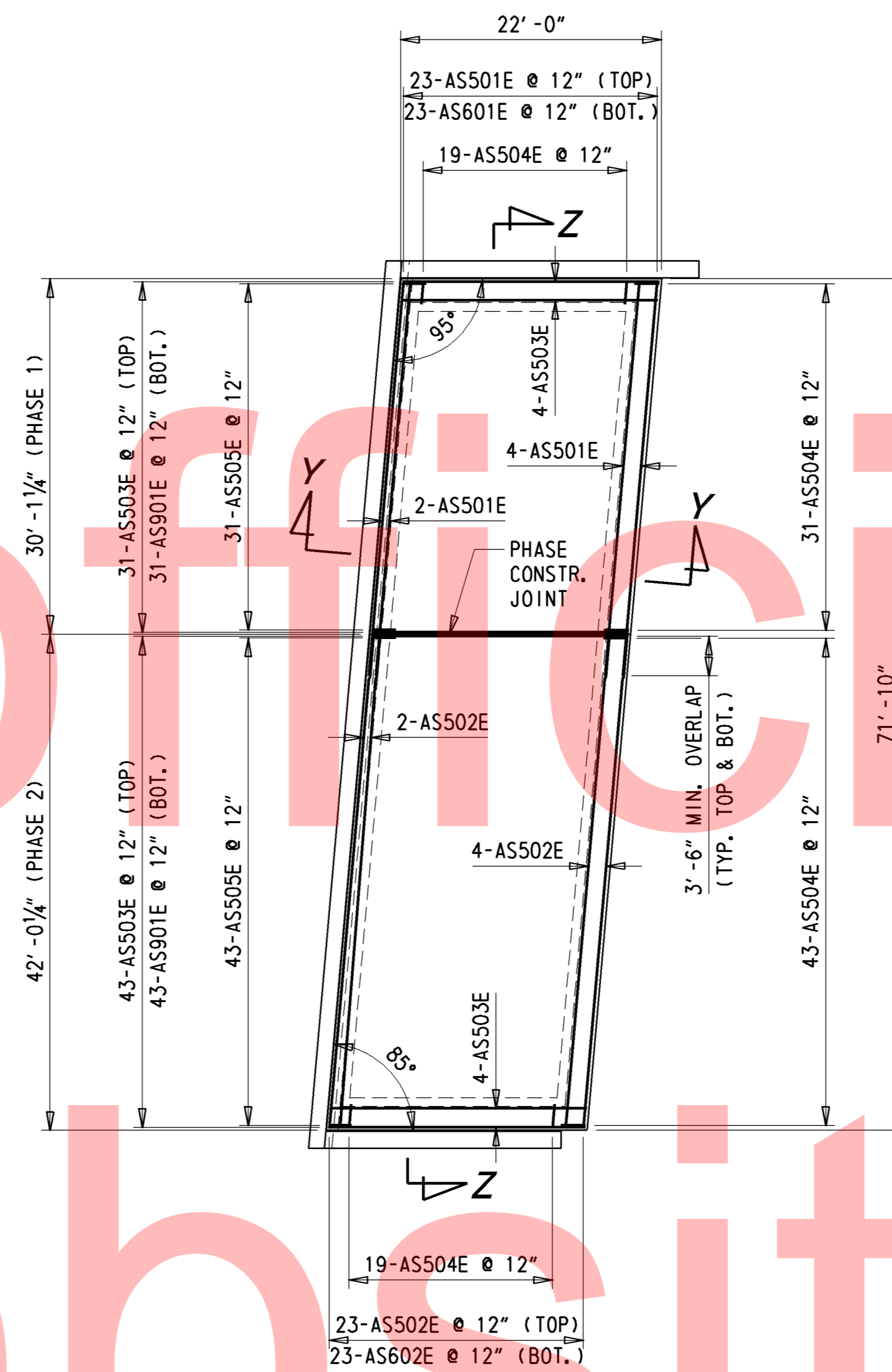
BRIDGE SAFETY FENCE NOTES

1. MATERIALS - SEE SPECIAL PROVISIONS FOR ITEM 727507 - BRIDGE SAFETY FENCE.
2. POST SPACING - POST SPACING ALL BE DETERMINED BY THE CONTRACTOR AND INCLUDED IN THE SHOP DRAWINGS. EACH POST MUST BE A MINIMUM OF 1'-0" FROM ANY PARAPET JOINT.
3. WORKING DRAWINGS - CONTRACTOR SHALL SUBMIT WORKING DRAWINGS FOR THE FENCE FOR REVIEW BY THE ENGINEER.
4. PAYMENT - CHAIN LINK FENCE INCLUDING ANTI-CLIMB SHIELD ITEMS WILL BE PAID UNDER ITEM 727507 - BRIDGE SAFETY FENCE.



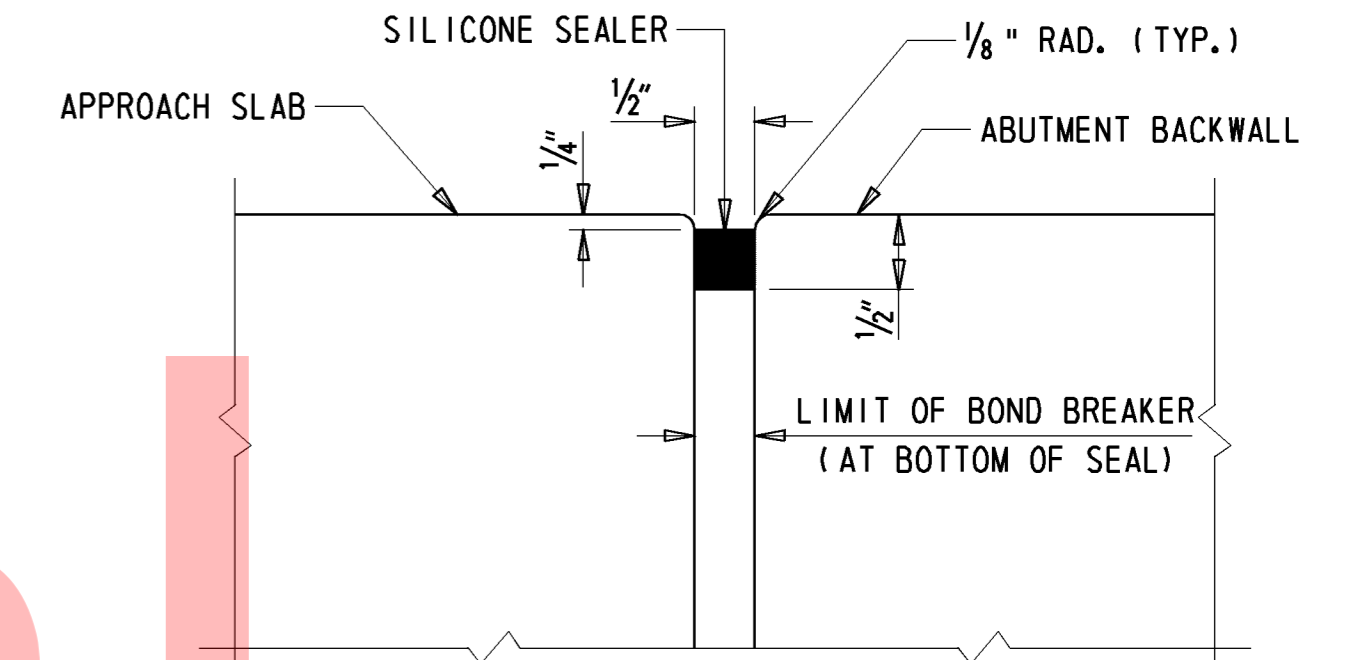
APPROACH SLAB A (SOUTH)

1" = 10'-0"



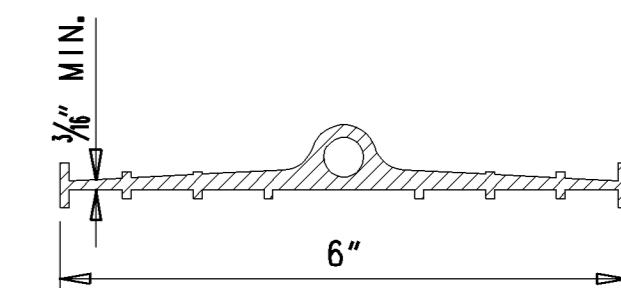
APPROACH SLAB B (NORTH)

1" = 10'-0"



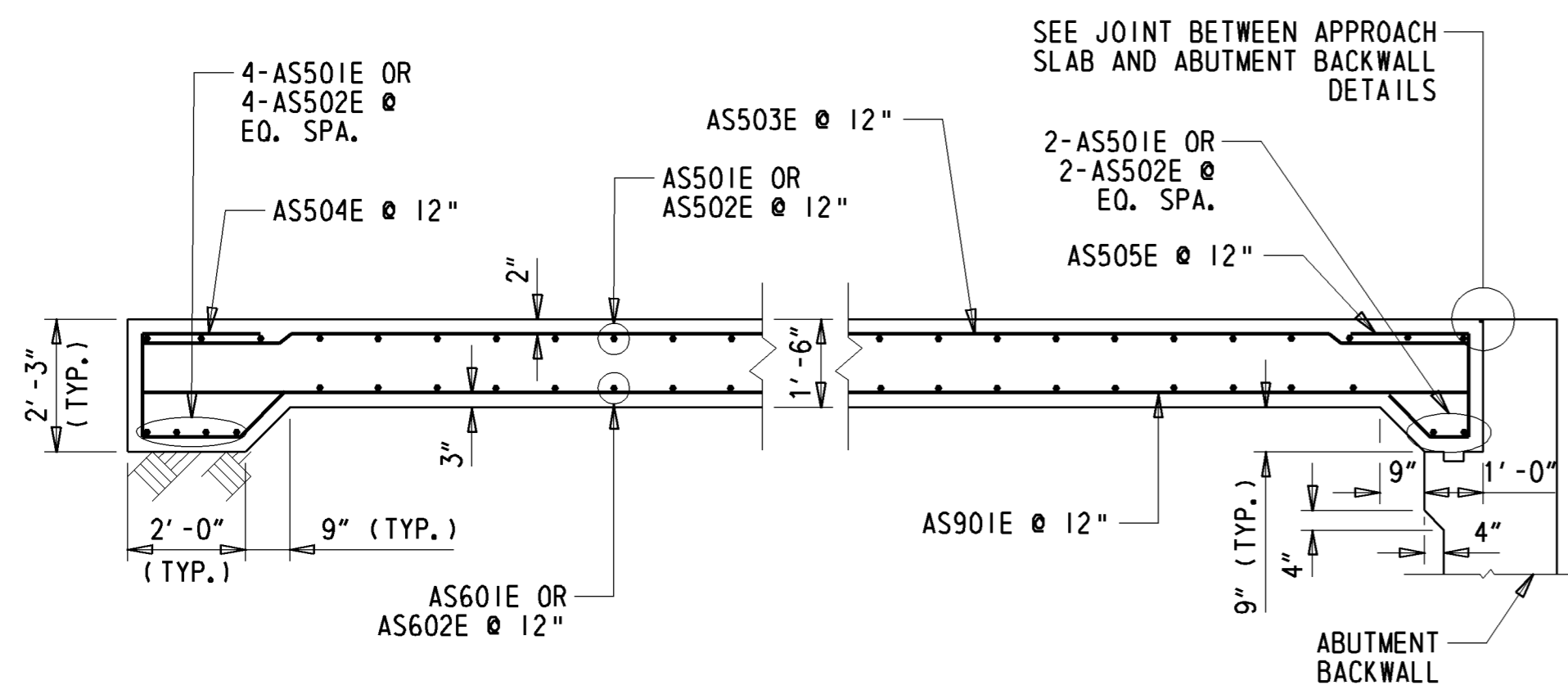
JOINT BETWEEN APPROACH SLAB AND ABUTMENT BACKWALL

N. T. S.



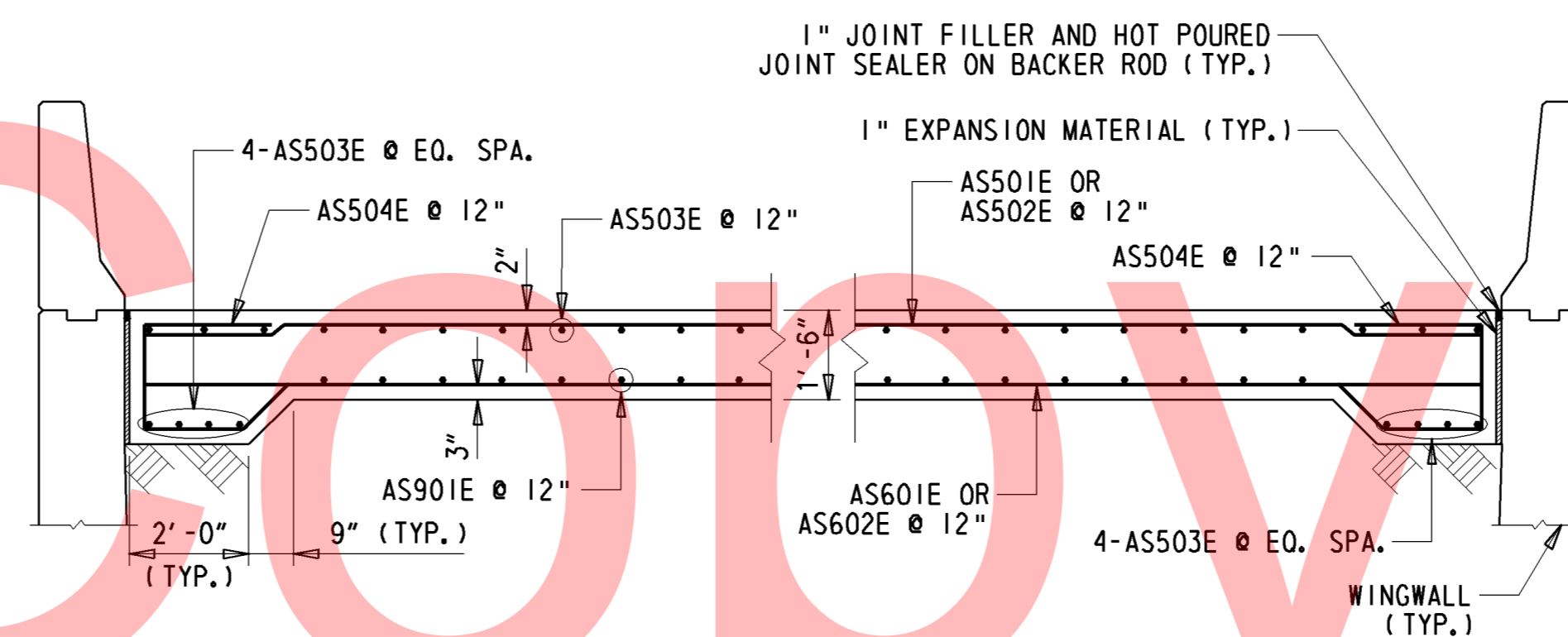
P. V. C. WATERSTOP

N. T. S.



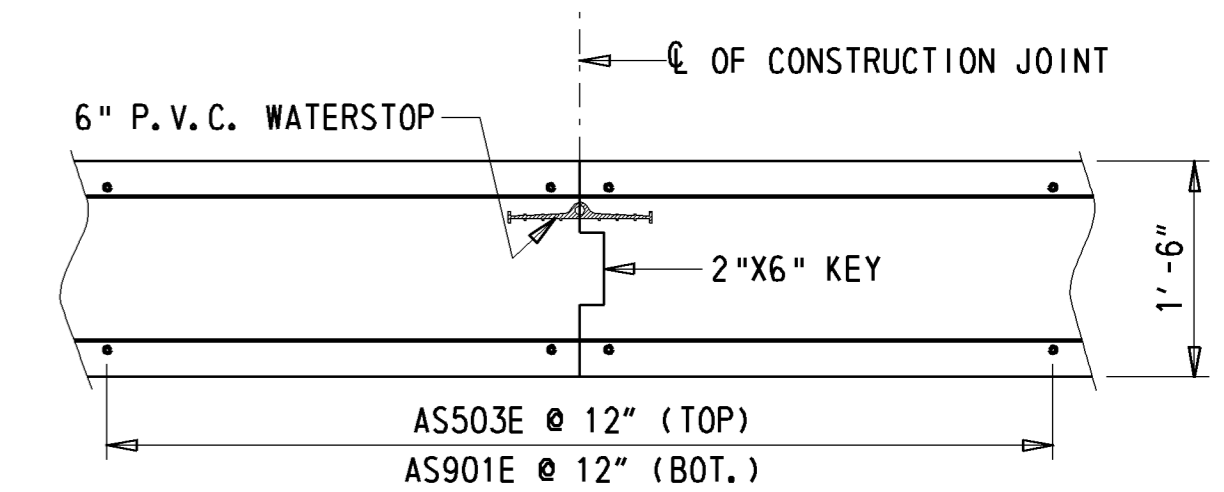
SECTION W-W & Y-Y

3/8" = 1'-0"



SECTION X-X & Z-Z

3/8" = 1'-0"



CONSTRUCTION JOINT DETAIL

3/4" = 1'-0"

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① ANY MARK NUMBER WITH SUFFIX 'E' DENOTES EPOXY COATED REINFORCING STEEL.

② ALL MARK 'LOCATION PREFIXES' SHALL CONSIST OF TWO LETTERS AND ARE AS FOLLOWS: AB = ABUTMENT, AS = APPROACH SLAB, BC = BOX CULVERT, BW = BACKWALL, CL = COLUMN, DK = DECK, DL = DOWEL, FT = FOOTING, HW = HEADWALL, MS = MISC. BARS, PA = PARAPET, PR = PIER, SC = SHEETPILE CAP, SL = SLAB, TW = TOEWALL, WL = WALL (UNIQUE LOCATION), WW = WINGWALL

SPECIFICATIONS					BENDING DIMENSIONS (FEET-INCHES / QUARTER INCH)										
QTY.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F/R	G	H	J	K	O
110	5	7-50	AB501E	STR		7-50									
89	5	6-80	AB502E	STR		6-80									
38	5	34-40	AB503E	STR		34-40									
36	5	43-20	AB504E	STR		43-20									
162	5	5-30	AB505E	2	0-100	4-50									
12	5	10-00	AB506E	STR		10-00									
108	5	5-100	AB507E	17		2-00	1-100	2-00							
72	5	6-80	AB508E	17		2-00	2-80	2-00							
116	5	3-00	AB509E	STR		3-00									
26	5	3-90	AB511E	STR		3-90									
16	5	7-60	AB512E	STR		7-60									
64	5	2-60	AB513E	STR		2-60									
58	5	34-00	AS501E	STR		34-00									
58	5	41-80	AS502E	STR		41-80									
164	5	21-80	AS503E	STR		21-80									
224	5	6-30	AS504E	16	2-00	1-100	1-100	1-60				1-03		1-03	1-82
148	5	5-63	AS505E	16	2-00	1-100	0-100	1-60				1-03		1-03	1-82
46	6	34-00	AS601E	STR		34-00									
46	6	41-80	AS602E	STR		41-80									
148	9	21-80	AS901E	STR		21-80									
232	5	8-60	BW501E	STR		8-60									
232	5	4-90	BW502E	17		1-00	3-90								
232	5	3-110	BW503E	16		1-100	0-80	1-50				1-00			1-80
232	5	6-00	BW504E	STR		6-00									
30	5	34-60	BW505E	STR		34-60									
28	5	43-20	BW506E	STR		43-20									
4	5	32-101	BW507E	STR		32-101									
1	5	717-02	CL501E	X						0-30		17-100	71	1.5	3-10
1	5	707-41	CL502E	X						0-30		17-63	70	1.5	3-10
1	5	697-73	CL503E	X						0-30		17-33	69	1.5	3-10
1	5	687-112	CL504E	X						0-30		17-00	68	1.5	3-10
1	5	678-31	CL505E	X						0-30		16-90	67	1.5	3-10
1	5	668-70	CL506E	X						0-30		16-60	66	1.5	3-10
66	8	18-80	CL801E	STR		18-80									
66	8	17-100	CL802E	STR		17-100									
304	4	51-02	DK401E	STR		51-02									
304	4	45-02	DK402E	STR		45-02									
184	5	51-02	DK501E	STR		51-02									
566	5	37-100	DK502E	STR		37-100									
184	5	45-02	DK503E	STR		45-02									

SPECIFICATIONS					BENDING DIMENSIONS (FEET-INCHES / QUARTER INCH)										
QTY.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F/R	G	H	J	K	O
379	5	35-10	DK504E	1	0-70	34-60									0-50
379	5	34-60	DK505E	STR		34-60									
758	5	11-70	DK506E	18	0-70	11-00									0-50
810	5	5-03	DK507E	T15		1-81	0-53	1-11	0-91	1-00				0-72	1-11
379	5	43-90	DK508E	1	0-70	43-20									0-50
379	5	43-20	DK509E	STR		43-20									
144	5	3-111	DK510E	16		1-20	1-41	1-50				1-00			2-41
48	5	8-42	DK511E	STR		8-42									
360	5	14-100	FT501E	17		2-70	9-80	2-70							
28	5	45-60	FT502E	STR		45-60									
28	5	37-71	FT503E	STR		37-71									
195	5	6-100	FT504E	17		1-00	5-100								
28	5	24-80	FT505E	STR		24-80									
26	5	13-100	FT506E	17		1-00	12-100								
28	5	14-70	FT507E	17		1-00	13-70								
28	5	26-00	FT508E	STR		26-00									
346	5	12-70	FT509E	17		2-70	7-50	2-70							
38	6	13-110	FT601E	17		1-00	12-110								
30	6	12-50	FT602E	17		1-00	11-50								
122	6	9-80	FT605E	STR		9-80									
39	7	14-60	FT701E	17		1-00	13-60								
41	7	15-50	FT702E	17		1-00	14-50								
24	5	45-60	FT510E	STR		45-60									
24	5	33-71	FT511E	STR		33-71									
110	5	7-90	FT512E	17		1-00	6-90								
88	5	7-20	FT513E	17		1-00	6-20								
24	5	24-110	FT514E	STR		24-110									
26	5	13-110	FT515E	17		1-00	12-110								
20	5	12-50	FT516E	17		1-00	11-50								
24	5	19-80	FT517E	STR		19-80									
122	5	17-40	FT520E	17		3-100	9-80	3-100							
21	8	39-40	FT801E	STR		39-40									
21	8	46-20	FT802E	STR		46-20									
132	1	9-00	FT1001	17		8-00	1-00								
21	1	43-100	FT1101	STR		43-100									
21	1	46-20	FT1102	STR		46-20									
979	5	8-22	PA501E	17	0-60	3-20	0-51	3-20	0-51	0-60	3-20				
216	7	8-113	PA701E	STR		8-113									
12	7	8-83	PA702E	STR		8-83									
12	7	9-40	PA703E	STR		9-40									

SPECIFICATIONS					BENDING DIMENSIONS (FEET-INCHES / QUARTER INCH)										
QTY.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F/R	G	H	J	K	O
12	7	8-52	PA704E	STR		8-52									
8	7	10-40	PA705E	STR		10-40									
216	8	8-113	PA801E	STR		8-113									
12	8	8-83	PA802E	STR		8-83									
12	8	9-40	PA803E	STR		9-40									
12	8	8-52	PA804E	STR		8-52									
8	8	10-40	PA805E	STR		10-40									
6	5	35-40	PR501E	STR		35-40									
6	5	43-80	PR502E	STR		43-80									
460	5	13-50	PR503E	T1	0-52	2-80	3-70	2-80	3-70					0-52	
90	5	6-60	PR504E	17		1-80	3-20	1-80							
33	1	40-40	PR1001	STR		40-40									
33	1	43-80	PR1002	STR		43-80									
18	5	26-80	WW501E	STR		26-80									
16	5	26-80	WW502E	STR		26-80									
69	5	6-52	WW503E	STR		6-52									
166	5	9-51	WW504E	T11		1-13	0-113	2-22	1-11	3-60	0-60	0-93		0-63	2-91
16	5	24-100	WW505E	STR		24-100									
14	5	24-100	WW506E	STR		24-100									
65	5	5-73	WW507E	STR		5-73									
12	5	19-00	WW508E	STR		19-00									
14	5	19-00	WW509E	STR		19-00									
12	5	24-10	WW510E	STR		24-10									
14	5	24-10	WW511E	STR		24-10									

ASTM STANDARD ENGLISH REINFORCING BARS

BAR SIZE	NOMINAL DIMENSIONS			180° HOOKS		90° HOOKS		90° HOOK		135° HOOK	
	DIAMETER (INCHES)	AREA (INCHES ²)	WEIGHT (LBS./FT.)	D	A OR G	J	A OR G	D	A OR G	A OR G	A OR G
3	0.375	0.110	0.376	2 1/4"	5"	3"	6"	1 1/2"	4"	4"	2 1/2"
4	0.500	0.200	0.668	3"	6"	4"	8"	2"	4 1/2"	4 1/2"	3"
5	0.625	0.310	1.043	3 3/4"	7"	5"	10"	2 1/2"	6"	5 1/2"	3 3/4"
6	0.750	0.440	1.502	4 1/2"	8"	6"	10"	4 1/2"	1-0"	8"	4 1/2"
7	0.875	0.600	2.044	5 1/2"	10"	7"	1-2"	5 1/4"	1-2"	9"	5 1/4"
8	1.000	0.790	2.670	6"	11"	8"	1-4"	6"	1-4"	10 1/2"	6"
9	1.128	1.000	3.400	9 1/2"	1-3"	11 3/4"	1-7"				
10	1.270	1.270	4.303	10 3/4"	1-5"	1-1 1/4"	1-10"				
11	1.410	1.560	5.313	1-0"	1-7"	1-2 3/4"	2-0"				
14	1.693	2.250	7.650	1-6 1/4"	2-3"	1-					

BORING: B0-13			DATE DRILLED: 4/10/12		
STATION: 1175+91.38			OFFSET: -45.00		
COMMENTS: N/A			ELEVATION: 619027.33		
			NORTHING: 619027.33		
			EASTING: 603498.02		
SAMPLE INFORMATION					
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
1	0.0	3	MOIST LOOSE BROWN SILTY COARSE TO FINE SAND W/TRACE OF FINE GRAVEL.	A-1-B	
		3			
		2			
	0.0	2			
2	0.0	1	MOIST VERY LOOSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B	
		2			
		2			
	2.0	2			
3	2.0	1	MOIST VERY LOOSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		2			
		2			
	4.0	4			
4	4.0	7	MOIST MEDIUM DENSE BROWN SILTY COARSE TO FINE SAND AND FINE GRAVEL.	A-1-B	
		10			
		15			
	6.0	16			
5	6.0	2	MOIST MEDIUM DENSE BROWNISH ORANGE SILTY FINE TO COARSE SAND W/TRACE OF FINE GRAVEL.	A-2-4(0)	
		9			
		10			
	8.0	16			
6	8.0	16	MOIST DENSE BROWNISH ORANGE FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		20			
		23			
	10.0	27			
7	10.0	9	SATURATED MEDIUM DENSE BROWNISH ORANGE COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B	
		12			
		15			
	12.0	19			
8	12.0	10	SATURATED DENSE BROWNISH ORANGE COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B	
		14			
		17			
	14.0	19			
9	14.0	20	SATURATED DENSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B	
		22			
		24			
	16.0	27			
10	16.0	4	SATURATED MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL, TRACE OF SILT.	A-1-B	
		9			
		10			
	18.0	13			
11	18.0	9	SATURATED MEDIUM DENSE REDDISH BROWN CLAYEY FINE GRAVEL W/SOME COARSE TO FINE SAND AND SILT.	A-2-4(0)	
		10			
		11			
	23.0	13			
12	23.0	5	SATURATED VERY STIFF RED CLAY W/TRACE OF FINE TO COARSE SAND AND SILT.	A-7-6(20)	
		7			
		9			
	28.0	10			
13	28.0	5	SATURATED VERY STIFF GRAY FINE SANDY SILT W/TRACE OF COARSE SAND, FINE GRAVEL AND CLAY.	A-4(0)	
		10			
		11			
	33.0	21			
14	33.0	5	SATURATED VERY STIFF GRAY FINE SANDY SILT W/TRACE OF COARSE SAND AND FINE GRAVEL.	A-4(0)	
		7			
		13			
	38.0	14			
15	38.0	7	SATURATED MEDIUM DENSE GRAY SILTY FINE TO COARSE SAND W/TRACE OF FINE GRAVEL.	A-2-4(0)	
		10			
		13			
	43.0	20			
16	43.0	5	SATURATED VERY STIFF GRAY FINE SANDY SILT W/SOME COARSE SAND AND CLAY.	A-4(0)	
		7			
		9			
	48.0	12			
17	48.0	4	SATURATED VERY STIFF GRAY FINE SANDY SILT W/SOME COARSE SAND AND CLAY, TRACE OF FINE GRAVEL.	A-4(0)	
		5			
		12			
	53.0	20			
18	53.0	5	SATURATED MEDIUM DENSE GRAY SILTY FINE SAND W/SOME COARSE SAND, TRACE OF FINE GRAVEL.	A-2-4(0)	
		12			
		10			
	58.0	12			
19	58.0	4	SATURATED MEDIUM DENSE GRAY COARSE TO FINE SAND W/TRACE OF SILT AND FINE GRAVEL.	A-1-B	
		6			
		10			
	63.0	16			
20	63.0	7	SATURATED MEDIUM DENSE GRAY FINE GRAVELLY COARSE SAND W/SOME FINE SAND, TRACE OF SILT.	A-1-B	
		9			
		9			
	68.0	10			
21	68.0	14	SATURATED HARD GRAY SILTY FINE SANDY CLAY W/TRACE OF COARSE SAND.	A-6(10)	
		16			
		20			
	73.0	24			
22	73.0	12	SATURATED VERY STIFF GRAY CLAYEY FINE SANDY SILT W/SOME COARSE SAND, TRACE OF FINE GRAVEL.	A-4(0)	ESTIMATED TIP ELEVATION
		14			
		15			
	78.0	18			
23	78.0	13	SATURATED HARD WHITE CLAYEY FINE TO COARSE SANDY SILT.	A-4(0)	
		65			
24	83.0	26	SATURATED HARD WHITE FINE TO COARSE SANDY SILT W/SOME CLAY.	A-4(0)	
		37			
		40			
	88.0	50			
25	88.0	23	SATURATED VERY DENSE WHITE SILTY COARSE TO FINE SAND.	A-2-4(0)	
		30			
		30			
	93.0	33			
26	93.0	7	SATURATED VERY STIFF PINK CLAYEY FINE SANDY SILT W/TRACE OF COARSE SAND.	A-4(1)	
		13			
		14			
	98.0	16			

BORING: B0-13 CONT.					
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
	98.0		END BORING.		
	100.0				
BORING: B0-14					
STATION: 1177+06.38					
OFFSET: -45.00					
DATE DRILLED: 5/20/12					
ELEVATION: 619135.37					
NORTHING: 619135.37					
EASTING: 603458.64					
COMMENTS: N/A					
SAMPLE INFORMATION					
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
1	0.0	12	MOIST MEDIUM DENSE BROWN SILTY COARSE TO FINE SAND W/SOME FINE GRAVEL.	A-1-B	
		13			
	4.0	12			
2	4.0	11	MOIST MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B	
		13			
		15			
	9.0	14			
3	9.0	10	MOIST MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B	
		6			
		5			
	14.0	5			
4	14.0	3	WET VERY LOOSE BROWNISH ORANGE COARSE SAND W/SOME FINE SAND, TRACE OF FINE GRAVEL AND SILT.	A-1-B	
		1			
	19.0	1			
5	19.0	27	WET MEDIUM DENSE BROWNISH ORANGE FINE GRAVELLY COARSE SAND W/SOME FINE SAND, TRACE OF SILT.	A-1-B	
		50			
6	24.0	7	SATURATED STIFF REDDISH GRAY CLAY W/TRACE OF FINE TO COARSE SAND AND SILT.	A-7-5(31)	
		4			
		6			
	29.0	9			
7	29.0	4	SATURATED STIFF REDDISH GRAY CLAY W/TRACE OF FINE SAND AND SILT.	A-7-5(23)	
		6			
		8			
	33.0	8			
8	33.0	3	SATURATED STIFF REDDISH GRAY CLAY W/SOME FINE SAND, TRACE OF SILT.	A-6(10)	
		5			
		7			
	38.0	9			
9	38.0	9	SATURATED HARD GRAY FINE SANDY SILT.	A-4(0)	
		18			
		22			
	43.0	24			
10	43.0	3	SATURATED STIFF GRAY FINE SANDY SILT W/TRACE OF COARSE SAND.	A-4(0)	
		5			
		8			
	48.0	9			
11	48.0	8	SATURATED MEDIUM DENSE GRAY SILTY FINE TO COARSE SAND W/TRACE OF FINE GRAVEL.	A-2-5(0)	
		12			
		11			
	53.0	16			
12	53.0	12	SATURATED DENSE GRAY FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		20			
		26			
	58.0	27			
13	58.0	12	SATURATED VERY DENSE GRAY FINE TO COARSE SAND W/TRACE OF SILT AND FINE GRAVEL.	A-3	
		26			
		25			
	63.0	23			
14	63.0	12	SATURATED DENSE GRAY FINE SAND W/SOME COARSE SAND AND SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		17			
		19			
	68.0	19			
15	68.0	9	SATURATED HARD TAN CLAYEY FINE SANDY SILT W/TRACE OF COARSE SAND.	A-4(3)	
		13			
		29			
	73.0	32			
16	73.0	2	SATURATED HARD BROWN FINE SANDY SILT W/TRACE OF COARSE SAND AND CLAY.	A-4(0)	
		9			
		29			
	78.0	19			
17	78.0	10	SATURATED HARD BROWN FINE SANDY SILT W/SOME CLAY AND COARSE SAND.	A-4(0)	
		16			
		15			
	83.0	31			
18	83.0	39	SATURATED VERY DENSE GRAY SILTY COARSE TO FINE SAND.	A-2-4(0)	
		50			
19	88.0	31	SATURATED VERY DENSE GRAY COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B	
		39			
		50			
	93.0	50			
20	93.0	27	SATURATED VERY DENSE GRAY COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B	
		39			
		50			
	98.0	50			
	98.0		END BORING.		
	100.0				
BORING: B0-15					
STATION: 1177+98.13					
OFFSET: -45.00					
DATE DRILLED: 4/17/12					
ELEVATION: 619221.57					
NORTHING: 619221.57					
EASTING: 603427.22					
COMMENTS: N/A					
SAMPLE INFORMATION					
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
1	0.0	63	MOIST LOOSE BROWN CLAYEY FINE TO COARSE SAND W/SOME FINE GRAVEL AND SILT.	A-2-4(0)	
		2			
		3			
	0.0	5			
2	0.0	8	MOIST MEDIUM DENSE BROWN CLAYEY FINE TO COARSE SAND W/SOME FINE GRAVEL AND SILT.	A-2-4(0)	
		7			
		10			
	2.0	8			
3	2.0	8	MOIST MEDIUM DENSE BROWN CLAYEY COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-2-6(0)	
		7			
	4.0	7			

BORING: B0-15 CONT.					
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS
4	4.0	8	WET MEDIUM DENSE BROWNISH ORANGE CLAYEY FINE SAND W/SOME COARSE SAND, FINE GRAVEL AND SILT.	A-2-6(0)	
		10			
		14			
	6.0	11			
5	6.0	8	WET MEDIUM DENSE BROWNISH ORANGE CLAYEY COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-2-6(1)	
		6			
		10			
	8.0	11			
6	8.0	18	WET VERY STIFF BROWNISH ORANGE COARSE TO FINE SANDY CLAY W/SOME SILT, TRACE OF FINE GRAVEL.	A-6(2)	
		12			
		15			
	10.0	17			
7	10.0	9	NO SIEVE ANALYSIS - INDICATION OF WET MEDIUM DENSE CLAYEY SAND.		
		10			
		17			
	12.0	35			
8	12.0	8	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		9			
		13			
	14.0	17			
9	14.0	43	WET VERY DENSE ORANGISH BROWN FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)	
		33			
		30			
	16.0	38			
10	16.0	18	WET VERY DENSE BROWNISH ORANGE COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B	
		24			
		30			
	18.0	37			
11	18.0	9	WET DENSE BROWNISH ORANGE COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B	
		17			

BORING: BO-16				DATE DRILLED: 4/11/12				BORING: BO-17				DATE DRILLED: 5/20/12				BORING: BO-18 CONT.																			
STATION: 1175+91.38				ELEVATION: 25.00				STATION: 1177+06.38				ELEVATION: 25.00				STATION: 1177+98.13				ELEVATION: 25.00															
OFFSET: 25.00				NORTHING: 619051.29				EASTING: 603563.78				NORTHING: 619159.34				EASTING: 603524.41				NORTHING: 619245.54				EASTING: 603492.99											
COMMENTS: N/A				COMMENTS: N/A				COMMENTS: NO CONTINUOUS				COMMENTS: N/A				COMMENTS: N/A				COMMENTS: N/A															
SAMPLE INFORMATION												SAMPLE INFORMATION												SAMPLE INFORMATION											
NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS	NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS	NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS	NO.	DEPTH	BLOWS /6"	DESCRIPTION	CLASS /G.I.	REMARKS												
1	0.0	3	MOIST MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B		1	0.0	6	NO SIEVE ANALYSIS - INDICATION OF WET MEDIUM DENSE BROWN CLAYEY SAND.			5	6.0	12				5	6.0	15	MOIST MEDIUM DENSE BROWN CLAYEY COARSE TO FINE SAND W/SOME FINE GRAVEL, TRACE OF SILT.	A-2-6(1)													
		7						8						4						4															
		10						7						5						5															
	0.0	13						6						8						8															
2	0.0	14	MOIST MEDIUM DENSE BROWN SILTY COARSE TO FINE SAND W/SOME FINE GRAVEL AND CLAY.	A-2-4(0)		2	3.0	13	WET DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B		6	8.0	10						10															
		7						23						13						13															
		7						25						15						15															
	2.0	6						31						18						18															
3	2.0	10	MOIST MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL AND SILT.	A-1-B		3	8.0	5	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/TRACE OF FINE GRAVEL AND SILT.	A-1-B		7	10.0	7						7															
		8						6						10						10															
		8						7						15						15															
	4.0	10						8						18						18															
4	4.0	11	MOIST DENSE BROWN SILTY COARSE TO FINE SAND W/TRACE OF FINE GRAVEL.	A-2-4(0)		4A	13.0	3	WET VERY LOOSE BROWN COARSE TO FINE SAND W/SOME FINE GRAVEL, TRACE OF SILT.	A-1-B		8	12.0	7						7															
		12						1						16						16															
		19						2						21						21															
	6.0	26						2						22						22															
5	6.0	7	MOIST DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B		5	19.0	5	WET MEDIUM DENSE GRAY COARSE SANDY FINE GRAVEL W/SOME FINE SAND, TRACE OF SILT.	A-1-A		9	14.0	10						10															
		15						10						14						14															
		26						14						18						18															
6	8.0	27	MOIST HARD BROWN COARSE TO FINE SANDY SILT W/SOME FINE GRAVEL.	A-4(0)		6	23.0	10	WET VERY DENSE GRAY COARSE SAND AND FINE GRAVEL W/SOME FINE SAND, TRACE OF SILT.	A-1-B		10	16.0	10						10															
		50						30						14						14															
	10.0	5						45						18						18															
7	10.0	5	MOIST DENSE BROWN SILTY COARSE TO FINE SAND W/SOME FINE GRAVEL.	A-1-B		7	28.0	42						20						20															
		14						7						2						2															
		20						3						4						4															
	12.0	24						8						7						7															
8	12.0	7	MOIST MEDIUM DENSE BROWN COARSE SAND W/SOME FINE SAND AND SILT, TRACE OF FINE GRAVEL.	A-1-B		8	33.0	9						8						8															
		7						3						13						13															
		13						6						16						16															
	14.0	16						6						23						23															
9	14.0	8	MOIST MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B		9	38.0	4	WET VERY STIFF GRAY SILTY CLAY W/SOME FINE SAND, TRACE OF COARSE SAND AND FINE GRAVEL.	A-6(7)		8	33.0	3						3															
		8						4						6						6															
		7						7						16						16															
	16.0	7						4						23						23															
10	16.0	4	WET VERY LOOSE BROWN COARSE TO FINE SAND W/TRACE OF FINE GRAVEL AND SILT.	A-1-B		10	43.0	10	WET VERY STIFF GRAY FINE SANDY SILT W/SOME COARSE SAND, TRACE OF FINE GRAVEL.	A-4(0)		9	38.0	7						7															
		1						10						10						10															
		2						9						12						12															
	18.0	3						11						13						13															
11	18.0	2	WET STIFF GRAY COARSE SANDY CLAY W/SOME FINE SAND, FINE GRAVEL AND SILT.	A-6(3)		11	48.0	11	WET STIFF TAN CLAYEY SILT W/SOME FINE SAND, TRACE OF COARSE SAND.	A-4(3)		11	48.0	4						4															
		5						5						5						5															
		7						5						11						11															
	23.0	8						12						12						12															
12	23.0	4	WET REDDISH BROWN SILTY COARSE SAND W/SOME FINE GRAVEL AND CLAY, TRACE OF FINE SAND.	A-2-6(1)		12	53.0	11	WET HARD GRAY FINE SANDY SILT W/TRACE OF COARSE SAND AND FINE GRAVEL.	A-4(0)		12	53.0	11						11															
		7						21						21						21															
		7						14						14						14															
	28.0	4	WET STIFF REDDISH GRAY CLAY W/SOME FINE SAND, TRACE OF COARSE SAND AND SILT.	A-7-6(12)		13	58.0	20	WET HARD GRAY FINE SANDY SILT W/SOME COARSE SAND.	A-4(0)		13	58.0	20						20															
		7						22						22						22															
		7						25						25						25															
14	33.0	4	WET VERY STIFF REDDISH BROWN CLAYEY FINE SANDY SILT W/TRACE OF COARSE SAND.	A-4(6)		14	63.0	21	WET HARD GRAY FINE SANDY SILT W/SOME COARSE SAND.	A-4(0)		14	63.0	21						21															
		7						11						11						11															
		9						10						14						14															
	38.0	10						15						15						15															
15	38.0	9	WET MEDIUM DENSE GRAYISH BROWN SILTY FINE TO COARSE SAND.	A-2-4(0)		15	68.0	6	WET MEDIUM DENSE GRAYISH TAN COARSE TO FINE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-1-B		15	68.0	6						6															
		8						16						10						10															
		15						14						16						16															
	43.0	23						14						14						14															
16	43.0	10	WET VERY STIFF GRAYISH BROWN FINE SANDY SILT W/TRACE OF COARSE SAND.	A-4(0)		15	73.0	8	WET VERY STIFF BROWNISH GRAY FINE SANDY CLAY W/SOME SILT, TRACE OF COARSE SAND AND FINE GRAVEL.	A-6(3)		15	73.0	8						8															
		11						11						11						11															
		8						10						16						16															
	48.0	10						11						21						21															
17	48.0	10	WET MEDIUM DENSE GRAY COARSE TO FINE SAND W/SOME SILT.	A-2-4(0)		16	78.0	16	WET VERY STIFF REDDISH BROWN SILTY FINE SANDY CLAY W/TRACE OF COARSE SAND.	A-6(11)		16	78.0	16						16															
		9						13						16						16															
		15						16						18						18															
	53.0	11						16						21						21															
18	53.0	11	WET DENSE GRAY FINE TO COARSE SAND W/SOME SILT.	A-2-4(0)		17	78.0	1	WET MEDIUM DENSE BROWN COARSE TO FINE SAND W/SOME SILT.	A-1-B		17	78.0	1						1															
		15						8						8						8															
		16						13						13						13															
	58.0	19						13						20						20															
19	58.0	16	WET MEDIUM DENSE GRAY FINE TO COARSE SAND W/SOME SILT, TRACE OF FINE GRAVEL.	A-2-4(0)		18	83.0	7	WET HARD GRAY FINE SANDY SILT W/SOME COARSE SAND.	A-4(0)		18	83.0	7						7															
		13						17						17						17															
		14						18						18						18															
		16						27						27						27															
20	63.0	9	WET MEDIUM DENSE GRAY FINE TO COARSE SAND W/SOME FINE GRAVEL AND SILT.	A-2-4(0)		19	88.0	5	WET VERY STIFF GRAY CLAYE																										

ENVIRONMENTAL COMPLIANCE	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
CONSTRUCTION PLAN	CP-01	N/A	N/A	CP-02	CP-03	CP-04	CP-05	CP-06	CP-09	CP-10	CP-11	CP-12	CP-07	CP-08	N/A	N/A	N/A	N/A

TOTAL TEMPORARY WETLAND IMPACTS

SHEET	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	IMPACTS ASSC'D WITH *
EC-10	TOTAL DNREC IMPACTS	204.87	0.0047	N/A	DNREC	
EC-10	TOTAL USACE IMPACTS	393.66	0.0090	N/A	USACE	BR 1-675

TOTAL PERMANENT WETLAND IMPACTS

SHEET	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	IMPACTS ASSC'D WITH *
EC-03	DNREC IMPACTS	3374.29	0.0774	N/A	DNREC	
EC-03	USACE IMPACTS	143.57	0.0033	N/A	USACE	BR 1-675
EC-04	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-05	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-06	DNREC IMPACTS	16272.18	0.3736	N/A	DNREC	
EC-06	USACE IMPACTS	10242.12	0.2352	N/A	USACE	BR 1-675
EC-07	DNREC IMPACTS	13375.40	0.3071	N/A	DNREC	
EC-07	USACE IMPACTS	14822.29	0.3403	N/A	USACE	BR 1-675
EC-08	DNREC IMPACTS	551.78	0.0127	N/A	DNREC	
EC-08	USACE IMPACTS	3532.10	0.0811	N/A	USACE	BR 1-675
EC-09	DNREC IMPACTS	0.00	0.0000	N/A	DNREC	
EC-09	USACE IMPACTS	128.87	0.0030	N/A	USACE	BR 1-675
EC-10	DNREC IMPACTS	14895.32	0.3420	N/A	DNREC	
EC-10	USACE IMPACTS	11799.98	0.2709	N/A	USACE	BR 1-675
EC-10	USACE IMPACTS	638.28	0.0146	N/A	USACE	BR 1-678
EC-11	DNREC IMPACTS	4794.72	0.1101	N/A	DNREC	
EC-11	USACE IMPACTS	1567.25	0.0360	N/A	USACE	BR 1-678
EC-12	DNREC IMPACTS	3550.64	0.0815	N/A	DNREC	
EC-12	USACE IMPACTS	3313.78	0.0760	N/A	USACE	BR 1-678
EC-13	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-14	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-15	DNREC IMPACTS	0.00	0.0000	N/A	DNREC	
EC-15	USACE IMPACTS	925.54	0.0212	N/A	USACE	BR 1-675
EC-16	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-17	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-18	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-19	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
EC-20	USACE/DNREC IMPACTS	0.00	0.0000	N/A	USACE/DNREC	
ALL	TOTAL DNREC IMPACTS	56814.33	1.3044	N/A	DNREC	
ALL	TOTAL USACE IMPACTS	47113.78	1.0816	N/A	USACE	

* - TOTAL TEMPORARY USACE IMPACTS ASSOCIATED WITH BR 1-675 = 0.0090 AC
 TOTAL PERMANENT USACE IMPACTS ASSOCIATED WITH BR 1-675 = 0.9550 AC
 TOTAL PERMANENT USACE IMPACTS ASSOCIATED WITH BR 1-678 = 0.1266 AC

LIMIT OF CONSTRUCTION
CONTRACT T201109002
STATION 1185+50

LIMIT OF CONSTRUCTION
CONTRACT T201109002
STATION 2020+20

BRIDGE 678

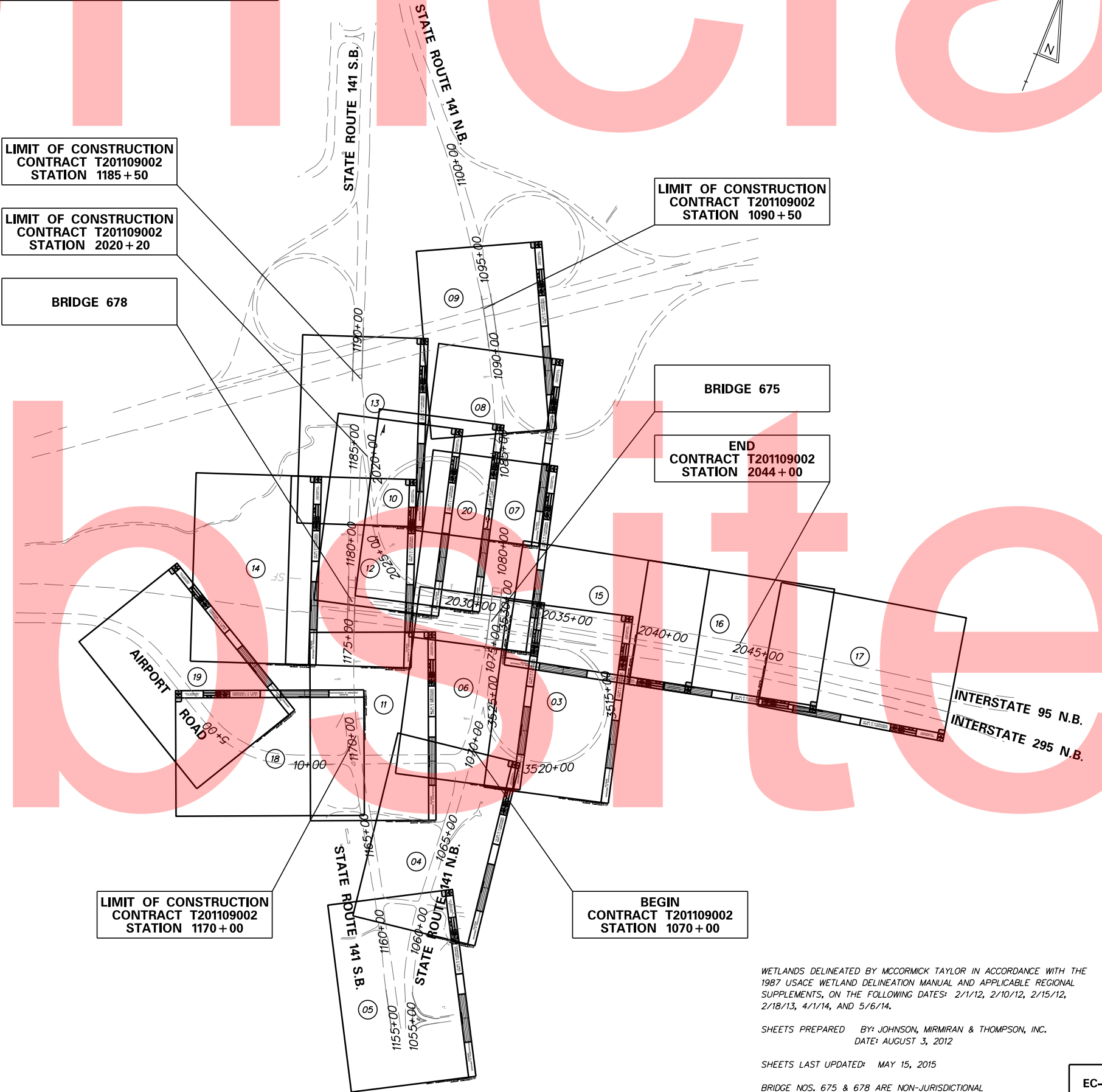
LIMIT OF CONSTRUCTION
CONTRACT T201109002
STATION 1090+50

BRIDGE 675

END
CONTRACT T201109002
STATION 2044+00

LIMIT OF CONSTRUCTION
CONTRACT T201109002
STATION 1170+00

BEGIN
CONTRACT T201109002
STATION 1070+00



WETLANDS DELINEATED BY MCCORMICK TAYLOR IN ACCORDANCE WITH THE 1987 USACE WETLAND DELINEATION MANUAL AND APPLICABLE REGIONAL SUPPLEMENTS, ON THE FOLLOWING DATES: 2/11/12, 2/10/12, 2/15/12, 2/18/13, 4/11/14, AND 5/6/14.

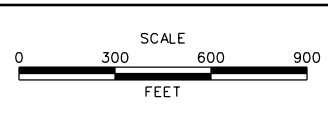
SHEETS PREPARED BY: JOHNSON, MIRMIRAN & THOMPSON, INC. DATE: AUGUST 3, 2012

SHEETS LAST UPDATED: MAY 15, 2015

BRIDGE NOS. 675 & 678 ARE NON-JURISDICTIONAL

PLOTTED BY: MONTES DATE: 5/15/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC.DGN [SHEET: EC01]

ADDENDUMS / REVISIONS



CONTRACT T201109002	BRIDGE NO. 675 / 678
COUNTY NEW CASTLE	DESIGNED BY: ATF
	CHECKED BY: BPH

ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

- A. THE PURPOSE OF THESE SHEETS ARE TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR AGENCY REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
- B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, THE ENVIRONMENTAL STUDIES SECTION SHALL BE CONTACTED AT (302) 760-2264 TO ALLOW THEM TO COORDINATE WITH THE APPROPRIATE AGENCIES FOR APPROVAL.
- C. USE OF THESE SHEETS DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. NATURAL RESOURCES:

A. PERMIT REQUIREMENTS / APPROVALS*

CORPS - NWP *23 (PCN REQUIRED)**
 DNREC SUBAQUEOUS WLSL - WETLANDS PERMIT**
 DNREC WOC & CZM - ISSUED
 NCC DEPT. OF LAND USE - AS PER LETTER FROM NCC DATED AUGUST 27, 2014, THE PROPOSED WORK IS NOT WITHIN REGULATORY FLOODWAY AND THE NCC APPLICATION *20140524 MET THE STANDARDS OF NCC'S FLOOD ORDINANCE AND A PERMIT IS NOT REQUIRED.

- * THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING/OBTAINING THIS APPROVAL.
- ** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS (CORPS, DNREC, WLSL) ARE IN THEIR POSSESSION PRIOR TO BEGINNING CONSTRUCTION IN THE PERMITTED AREA(S) AND ENSURE IT IS DISPLAYED ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.

B. CONSTRUCTION RESTRICTIONS:

FISHERIES - NONE
 ENDANGERED SPECIES - NONE
 MIGRATORY BIRDS - NONE

3. CULTURAL RESOURCE ISSUES: COORDINATION ONGOING.

- A. THE PROJECT IS CONSISTENT WITH THE ADVISORY COUNCIL ON HISTORIC PRESERVATION EXEMPTIONS REGARDING HISTORIC PRESERVATION REVIEW FOR EFFECTS TO THE INTERSTATE HIGHWAY SYSTEM (FEDERAL REGISTER VOLUME 70, NUMBER 46 - THURSDAY, MARCH 10, 2005, PP. 11928 - 11931). AS SUCH, THE PROJECT WAS REVIEWED AND DETERMINED BY ENVIRONMENTAL STUDIES QUALIFIED STAFF WHEREBY NO CULTURAL RESOURCES ISSUES WOULD EXIST. NO SPECIAL PROVISIONS ARE NECESSARY. HOWEVER, THE CONFINED LOC AND/OR OTHER GEOGRAPHIC LIMITS AS DEFINED IN THE DESIGN PLANS OR SPECIAL PROVISIONS SHALL REMAIN. CHANGES IN LOC LIMITS AND SCOPE WILL BE COORDINATED BACK WITH THE ENVIRONMENTAL STUDIES OFFICE TO DETERMINE THE CONSISTENCY THAT THE PROJECT IS STILL FOLLOWING THE FEDERAL REGISTER NOTICE.

4. PROTECTION OF RESOURCES:

- A. WETLAND AND STREAM RESOURCES OCCUR WITHIN AND IN THE VICINITY OF THE PROJECT. ACCESS INTO THESE RESOURCE AREAS WHICH IS NOT SPECIFICALLY AUTHORIZED BY THE ACOE AND DNREC PERMITS (AS ILLUSTRATED ON THESE ENVIRONMENTAL COMPLIANCE SHEETS) IS STRICTLY PROHIBITED.
- B. SUPER SILT FENCE OR CONSTRUCTION SAFETY FENCE SHALL BE USED ALONG THE LIMITS OF CONSTRUCTION IN ALL AREAS WHERE WATER/WETLANDS ARE BEING IMPACTED AND ALSO IN ANY AREA WHERE WATER/WETLANDS EXIST WITHIN 20 FEET OF THE LOC (AS SHOWN ON THE ENVIRONMENTAL COMPLIANCE PLANS). CONTRACTOR ACCESS BEYOND THE LOC IS STRICTLY PROHIBITED.
- C. CLEARING IN WETLAND AREAS SHALL BE KEPT TO A MINIMUM ABSOLUTELY NECESSARY FOR CONSTRUCTION ACCESS. IN WETLAND AREAS THAT ARE CLEARED, THERE SHALL BE NO GRUBBING EXCEPT WHERE NECESSARY TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS AND RIPRAP PROTECTION. VEGETATION SHALL BE CUT FLUSH WITH THE GROUND, I.E. NO DISTURBANCE OF THE ROOT MAT. TEMPORARILY DISTURBED WETLAND AREAS SHALL BE RESTORED TO GRADE AND SEEDED WITH TEMPORARY GRASS SEEDING - DRY GROUND, (PAYMENT UNDER ITEM 734017).

5. PLANTINGS:

- A. SEE EC-20 FOR DETAILS REGARDING THE RED CHOKEBERRY AND SHINING SUMAC THAT IS TO BE PLANTED BY THE CONTRACTOR, ALONG THE NORTHERN INSIDE CURVE OF RAMP F.

6. MITIGATION:

- A. ALL WETLAND REPLACEMENT OBLIGATIONS WILL BE MET THROUGH THE RUSSELL PETERSON URBAN WILDLIFE REFUGE.

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272-020-1-95-AND-SR-141-INTL\CADD\EC.DGN [SHEET: EC02]



**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS

NOT TO SCALE

**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

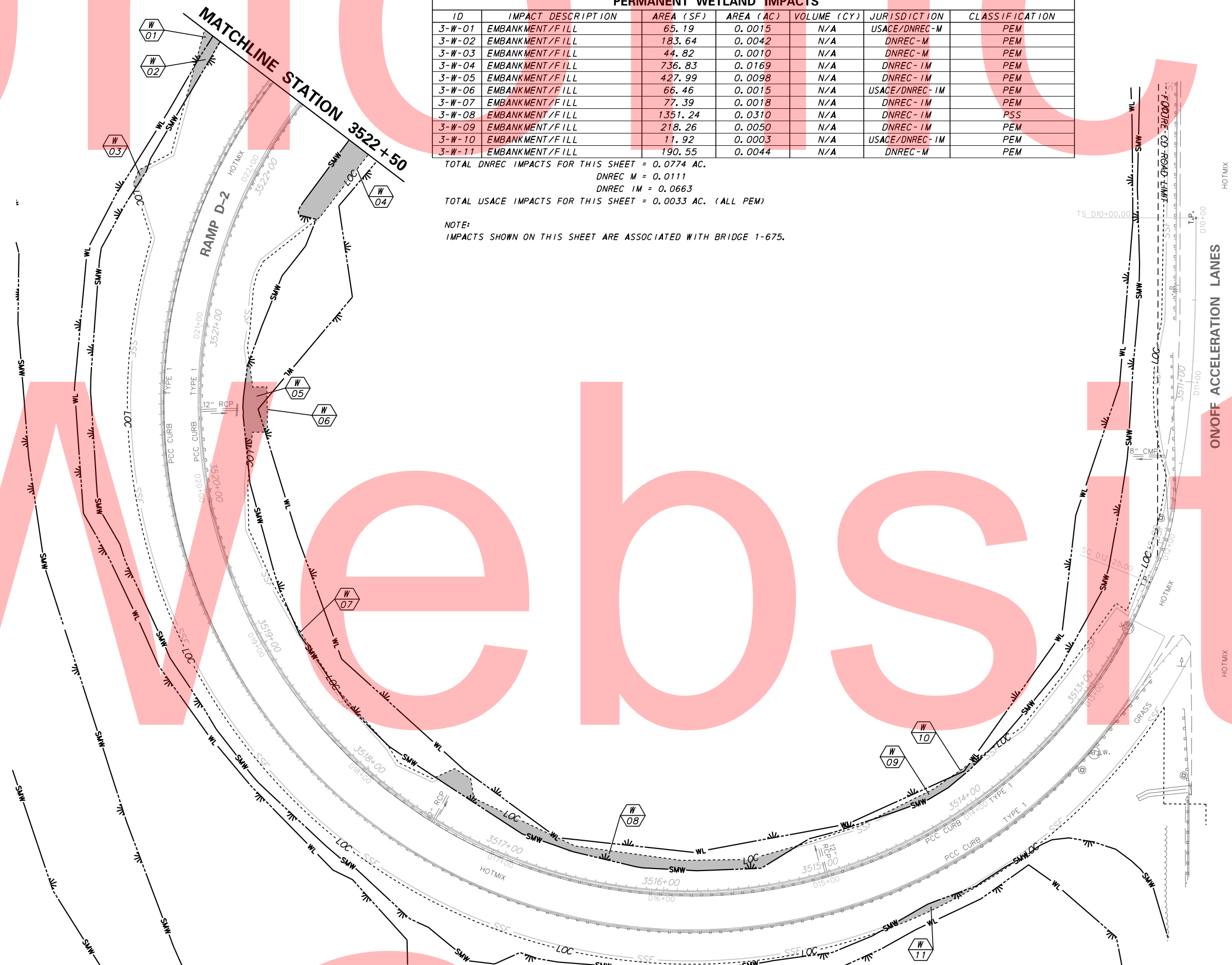
**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-02
SHEET NO.
210
TOTAL SHTS.
481

PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
3-W-01	EMBANKMENT/FILL	65.19	0.0015	N/A	USACE/DNREC-M	PEM
3-W-02	EMBANKMENT/FILL	183.64	0.0042	N/A	DNREC-M	PEM
3-W-03	EMBANKMENT/FILL	44.82	0.0010	N/A	DNREC-M	PEM
3-W-04	EMBANKMENT/FILL	736.83	0.0169	N/A	DNREC-IM	PEM
3-W-05	EMBANKMENT/FILL	427.99	0.0098	N/A	DNREC-IM	PEM
3-W-06	EMBANKMENT/FILL	66.46	0.0015	N/A	USACE/DNREC-IM	PEM
3-W-07	EMBANKMENT/FILL	77.39	0.0018	N/A	DNREC-IM	PEM
3-W-08	EMBANKMENT/FILL	1351.24	0.0310	N/A	DNREC-IM	PSS
3-W-09	EMBANKMENT/FILL	218.26	0.0050	N/A	DNREC-IM	PEM
3-W-10	EMBANKMENT/FILL	11.92	0.0003	N/A	USACE/DNREC-IM	PEM
3-W-11	EMBANKMENT/FILL	190.55	0.0044	N/A	DNREC-M	PEM

TOTAL DNREC IMPACTS FOR THIS SHEET = 0.0774 AC.
 DNREC M = 0.0111
 DNREC IM = 0.0663
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.0033 AC. (ALL PEM)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.



LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW --- ORDINARY HIGH WATER
- SMW --- STATE MAPPED WETLAND
- WL --- USACE WETLAND BOUNDARY
- XX IMPACT AREA TYPE ID. (SEE BELOW)
- IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH W = WETLAND IMPACT
- WT = TEMPORARY IMPACT O = OPEN WATER
- PEM = PALUSTRINE EMERGENT MARSH M = MARSH
- PSS = PALUSTRINE SCRUB SHRUB

PLOTTED BY: MONTE DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC03.DGN [SHEET: EC03]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

ENVIRONMENTAL COMPLIANCE PLAN

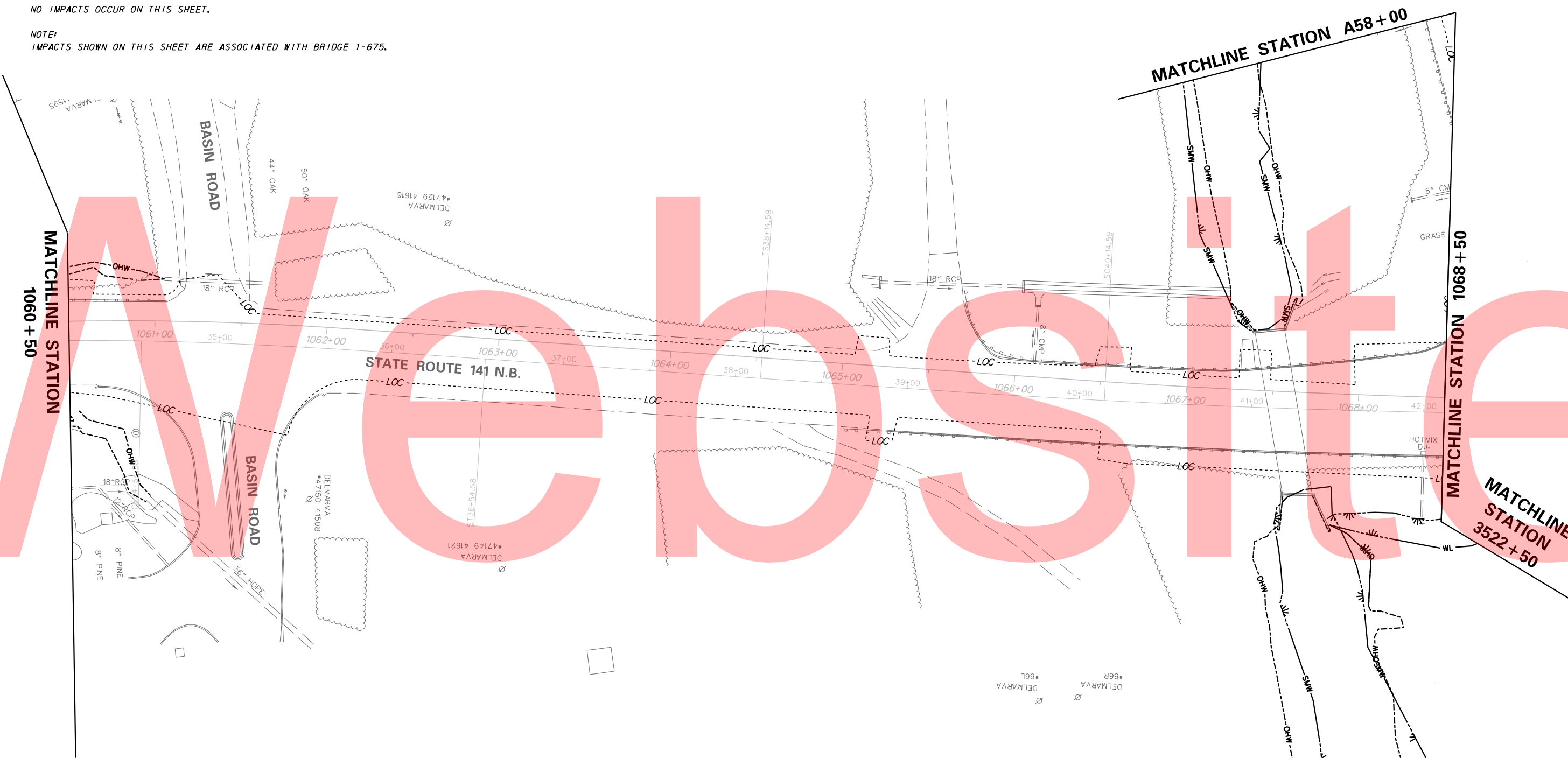
EC-03
SHEET NO.
211
TOTAL SHTS.
481

LEGEND

- PERMANENT IMPACT AREA
 - TEMPORARY IMPACT AREA
 - OHW - ORDINARY HIGH WATER
 - SMW - STATE MAPPED WETLAND
 - WL - USACE WETLAND BOUNDARY
 - IMPACT AREA TYPE ID. (SEE BELOW)
 - IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB

NO IMPACTS OCCUR ON THIS SHEET.

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.



NOTE:
 RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1\95_AND_SR_141_INTE\CADD\EC.DGN [SHEET: EC04]

DELAWARE
 DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS





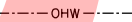
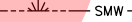


**I-95 AND SR 141 INTERCHANGE,
 RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
 COMPLIANCE PLAN**

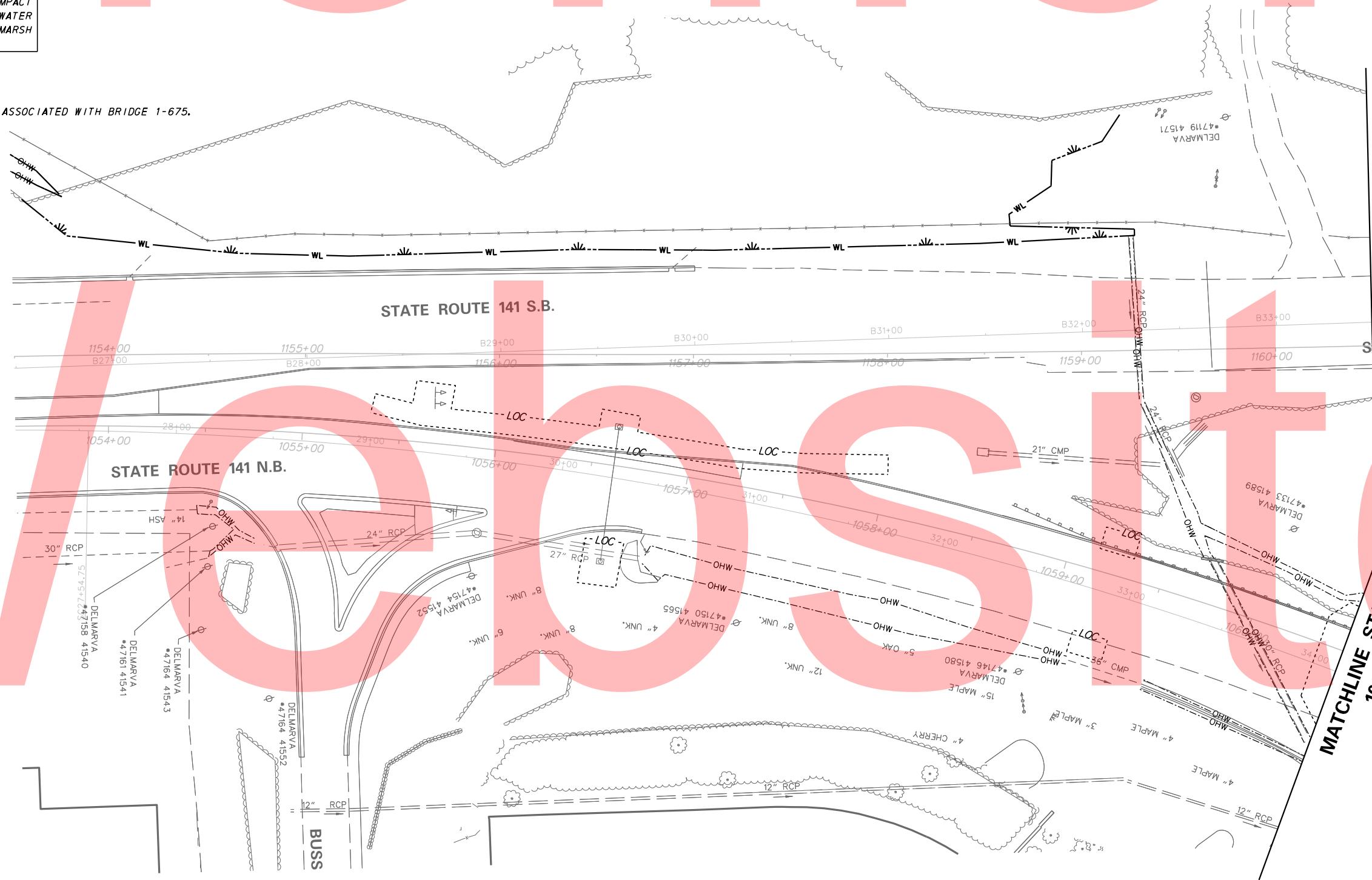
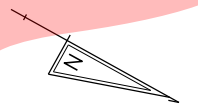
EC-04
SHEET NO.
212
TOTAL SHTS.
481

LEGEND

-  PERMANENT IMPACT AREA
 -  TEMPORARY IMPACT AREA
 -  ORDINARY HIGH WATER
 -  STATE MAPPED WETLAND
 -  USACE WETLAND BOUNDARY
 -  IMPACT AREA TYPE ID. (SEE BELOW)
IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB

NO IMPACTS OCCUR ON THIS SHEET.

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.



MATCHLINE STATION 1060 + 50
 MATCHLINE STATION 1060 + 50

NOTE:
 RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

PLOTTED BY: MONTES DATE: 5/15/2015 SHEET: EC05
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\EC.DGN

**DELAWARE
 DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**I-95 AND SR 141 INTERCHANGE,
 RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-05
SHEET NO.
213
TOTAL SHTS.
481

PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
6-W-01	EMBANKMENT/FILL	3632.67	0.0834	N/A	USACE/DNREC-IM	PEM
6-W-02	EMBANKMENT/FILL	3581.73	0.0822	N/A	DNREC-IM	PEM
6-W-03	EMBANKMENT/FILL	283.27	0.0065	N/A	USACE/DNREC-IM	PEM
6-W-04	EMBANKMENT/FILL	675.16	0.0155	N/A	DNREC-IM	PEM
6-W-05	EMBANKMENT/FILL	2699.82	0.0620	N/A	DNREC-IM	PEM
6-W-06	EMBANKMENT/FILL	5365.98	0.1232	N/A	USACE/DNREC-IM	PEM
6-W-07	EMBANKMENT/FILL	635.47	0.0146	N/A	USACE	PEM
6-W-08	EMBANKMENT/FILL	33.55	0.0008	N/A	DNREC-IM	PEM
6-W-09	EMBANKMENT/FILL	324.73	0.0075	N/A	USACE	PEM

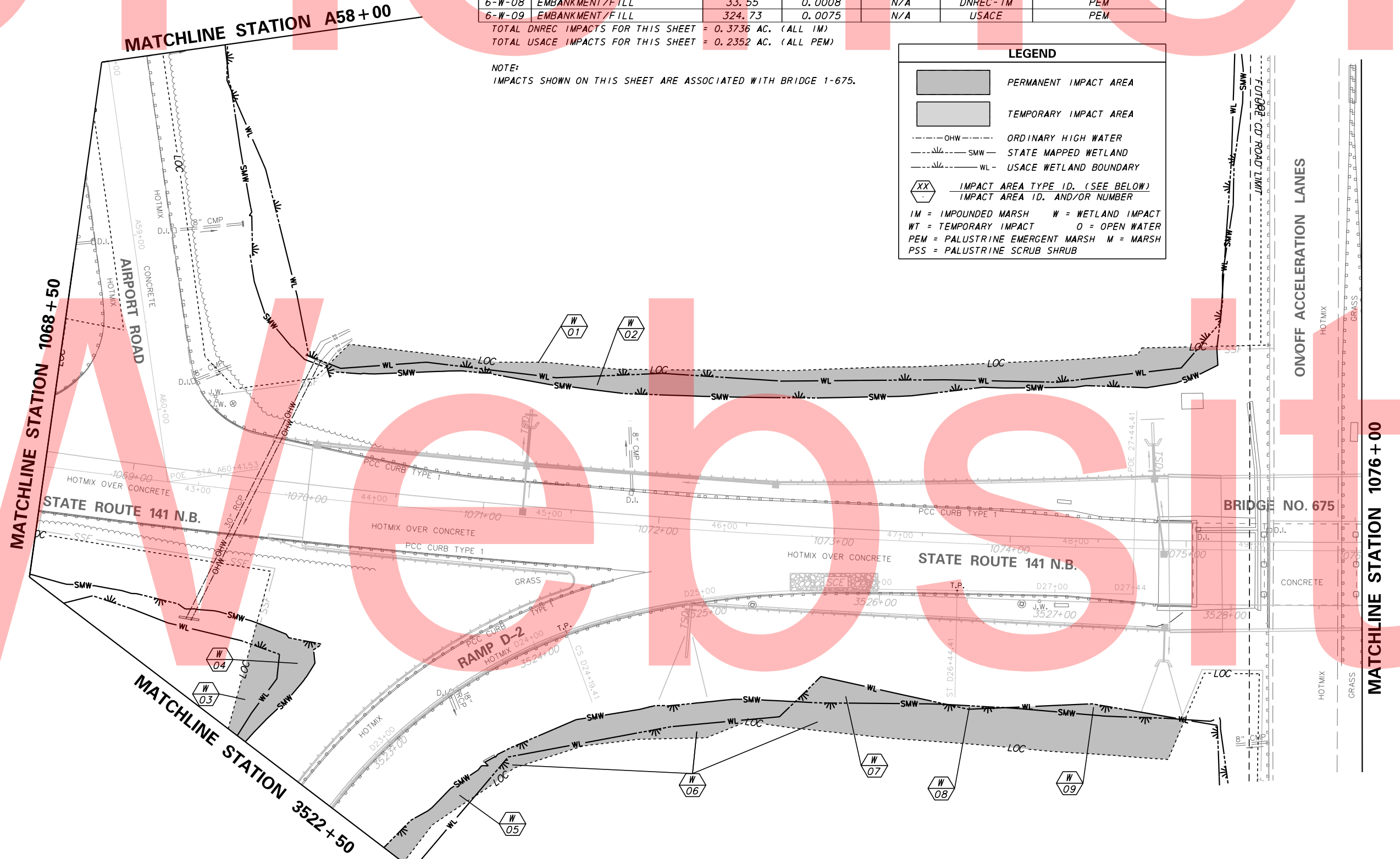
TOTAL DNREC IMPACTS FOR THIS SHEET = 0.3736 AC. (ALL IM)
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.2352 AC. (ALL PEM)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW - ORDINARY HIGH WATER
- SMW - STATE MAPPED WETLAND
- WL - USACE WETLAND BOUNDARY
- XX - IMPACT AREA TYPE ID. (SEE BELOW)
- IMPACT AREA ID. AND/OR NUMBER

IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB



PLOTTED BY: MONTE DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC06.DGN [SHEET: EC06]

DELAWARE
 DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
 RAMPS G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	ATF
		CHECKED BY:	BPH

ENVIRONMENTAL
 COMPLIANCE PLAN

EC-06
SHEET NO.
214
TOTAL SHTS.
481

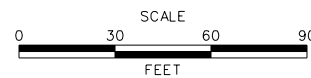
BRIDGE 675 IS NON-JURISDICTIONAL

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC.DGN [SHEET: EC07]



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

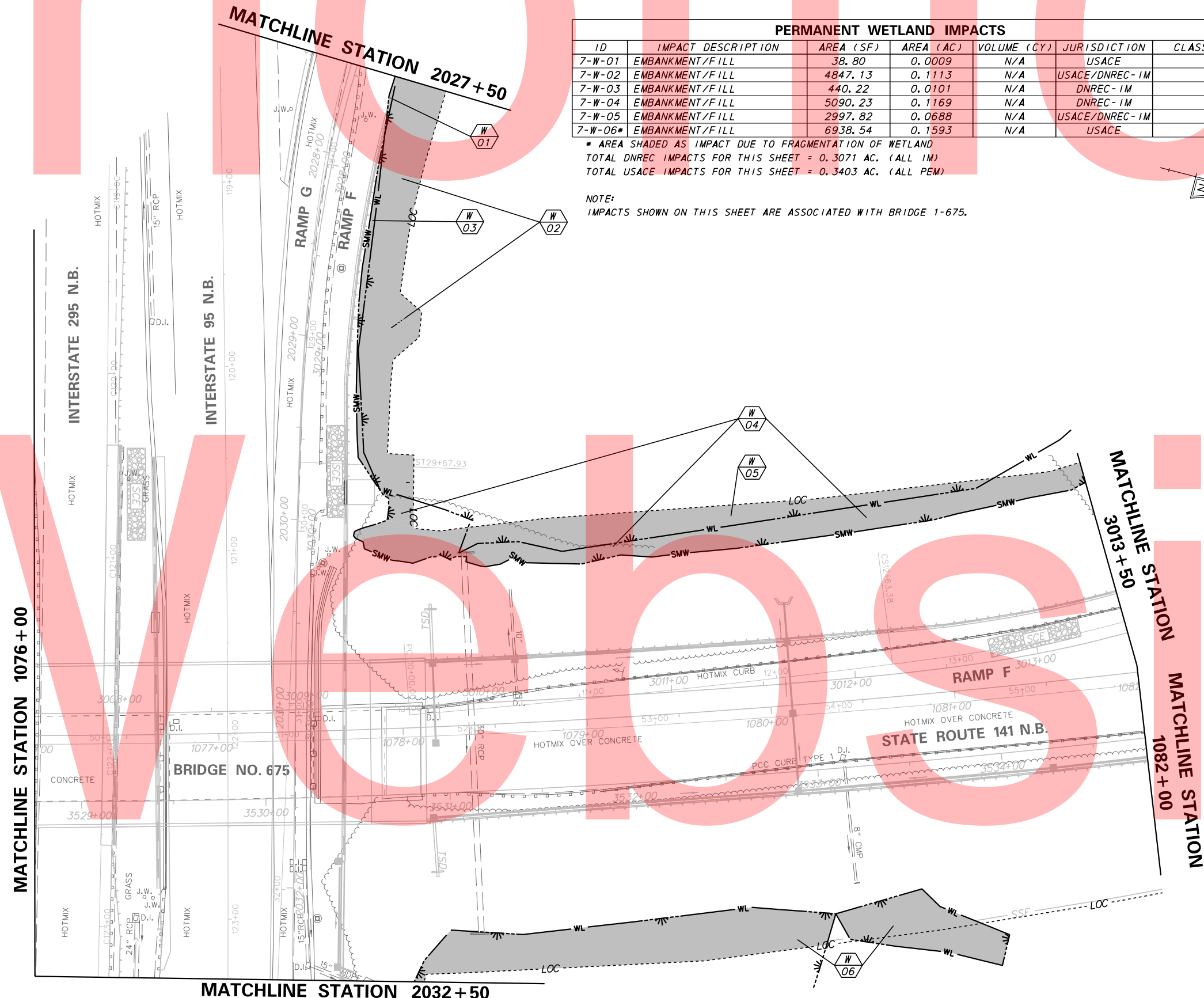


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

ENVIRONMENTAL
COMPLIANCE PLAN

EC-07
SHEET NO.
215
TOTAL SHTS.
481



ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
7-W-01	EMBANKMENT/FILL	38.80	0.0009	N/A	USACE	PEM
7-W-02	EMBANKMENT/FILL	4847.13	0.1113	N/A	USACE/DNREC-IM	PEM
7-W-03	EMBANKMENT/FILL	440.22	0.0101	N/A	DNREC-IM	PEM
7-W-04	EMBANKMENT/FILL	5090.23	0.1169	N/A	DNREC-IM	PEM
7-W-05	EMBANKMENT/FILL	2997.82	0.0688	N/A <td USACE/DNREC-IM	PEM	
7-W-06*	EMBANKMENT/FILL	6938.54	0.1593	N/A	USACE	PEM

* AREA SHADED AS IMPACT DUE TO FRAGMENTATION OF WETLAND
 TOTAL DNREC IMPACTS FOR THIS SHEET = 0.3071 AC. (ALL IM)
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.3403 AC. (ALL PEM)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW - ORDINARY HIGH WATER
- SMW - STATE MAPPED WETLAND
- WL - USACE WETLAND BOUNDARY
- XX - IMPACT AREA TYPE ID. (SEE BELOW)
- IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH
- WT = TEMPORARY IMPACT
- PEM = PALUSTRINE EMERGENT MARSH
- PSS = PALUSTRINE SCRUB SHRUB
- W = WETLAND IMPACT
- O = OPEN WATER
- M = MARSH

BRIDGE 675 IS NON-JURISDICTIONAL

PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
8-W-01	EMBANKMENT/FILL	551.78	0.0127	N/A	DNREC-IM	PFO
8-W-02	EMBANKMENT/FILL	2768.96	0.0636	N/A	USACE	PFO
8-W-03	EMBANKMENT/FILL	763.14	0.0175	N/A	USACE	PFO

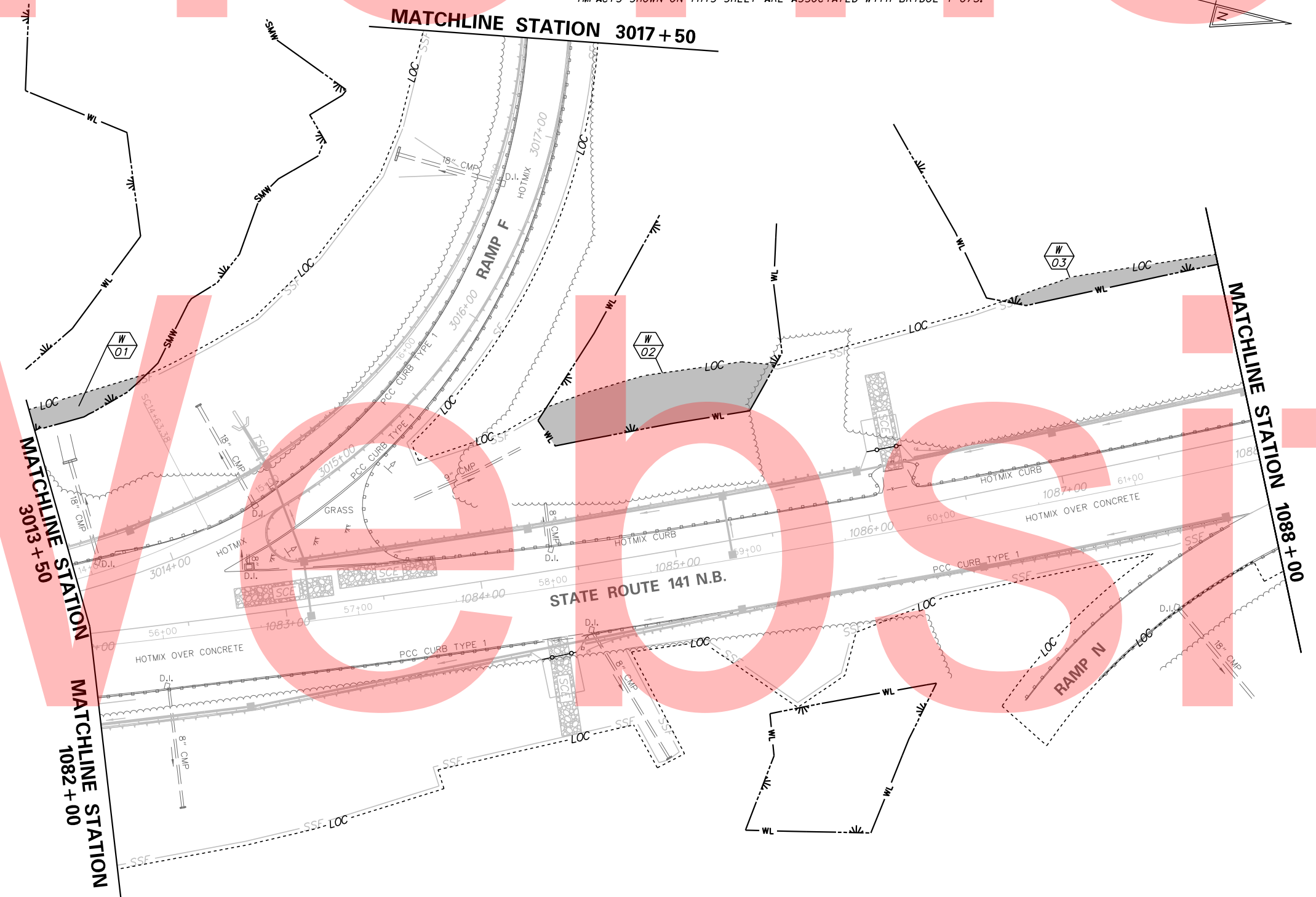
TOTAL DNREC IMPACTS FOR THIS SHEET = 0.0127 AC. (ALL IM)
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.0811 AC. (ALL PFO)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- ORDINARY HIGH WATER
- STATE MAPPED WETLAND
- USACE WETLAND BOUNDARY
- IMPACT AREA TYPE ID. (SEE BELOW)
IMPACT AREA ID. AND/OR NUMBER

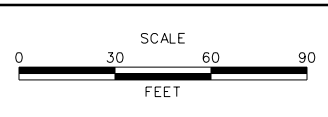
IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB
 BRIDGE 675 IS NON-JURISDICTIONAL



PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\EC08.DGN [SHEET: EC08]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

ENVIRONMENTAL COMPLIANCE PLAN

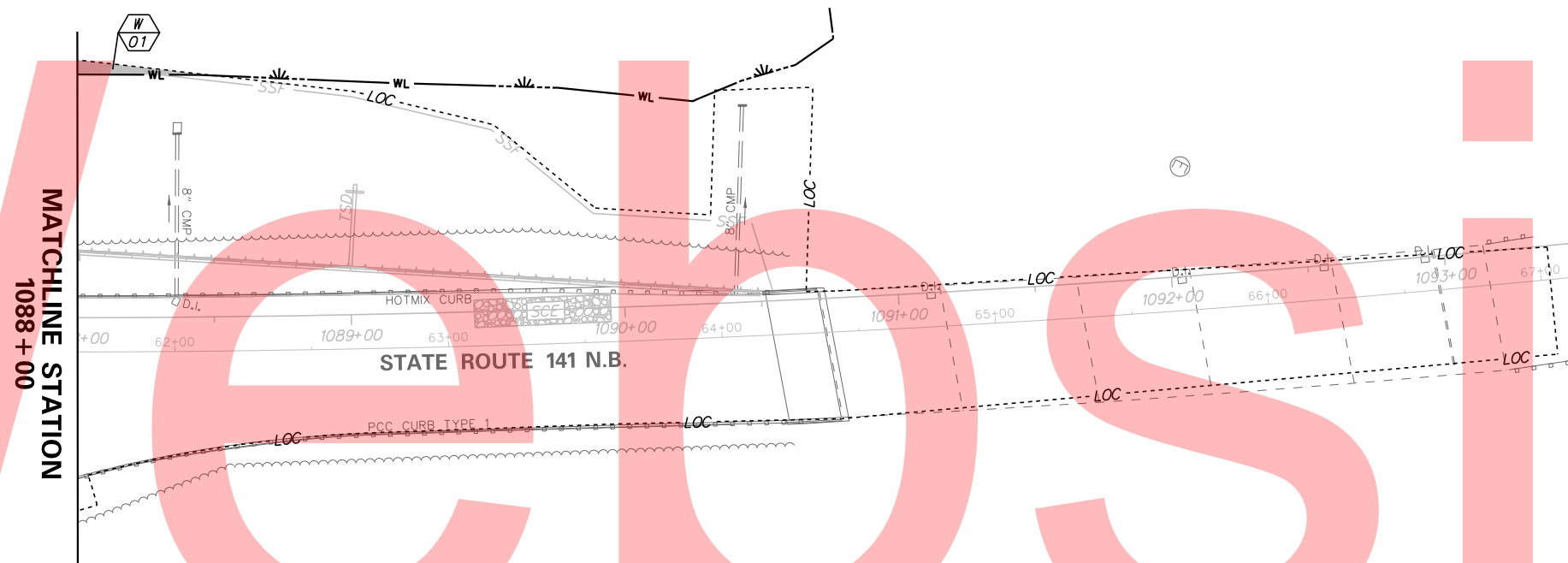
EC-08
SHEET NO.
216
TOTAL SHTS.
481

PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
9-W-01	EMBANKMENT/FILL	128.87	0.0030	N/A	USACE	PFO

TOTAL DNREC IMPACTS FOR THIS SHEET = 0.0000 AC.
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.0030 AC. (ALL PFO)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	STATE MAPPED WETLAND
	USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW)
	IMPACT AREA ID. AND/OR NUMBER
IM	IMPOUNDED MARSH
WT	TEMPORARY IMPACT
PEM	PALUSTRINE EMERGENT MARSH
PSS	PALUSTRINE SCRUB SHRUB
W	WETLAND IMPACT
O	OPEN WATER
M	MARSH

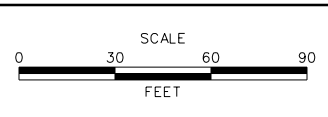


MATCHLINE STATION
1088+00

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272\020\1-95_AND_SR_141_INTE\CADD\EC09.DGN [SHEET: EC09]

DELAWARE
 DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



**I-95 AND SR 141 INTERCHANGE,
 RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
 COMPLIANCE PLAN**

EC-09
SHEET NO.
217
TOTAL SHTS.
481

LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	STATE MAPPED WETLAND
	USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM = IMPOUNDED MARSH W = WETLAND IMPACT	
WT = TEMPORARY IMPACT O = OPEN WATER	
PEM = PALUSTRINE EMERGENT MARSH M = MARSH	
PSS = PALUSTRINE SCRUB SHRUB	

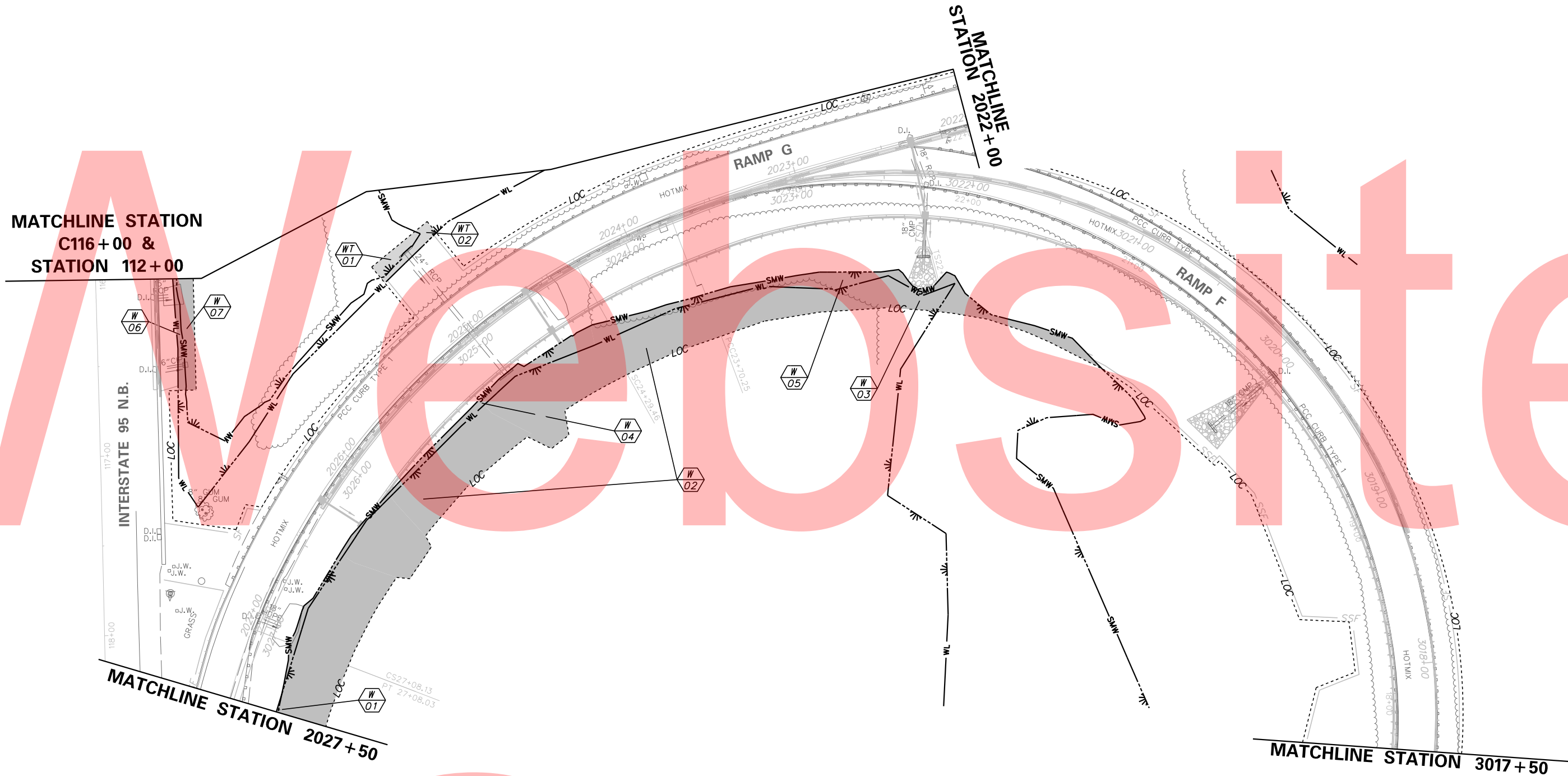
PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
10-W-01	EMBANKMENT/FILL	5.06	0.0001	N/A	USACE	PEM
10-W-02	EMBANKMENT/FILL	11128.88	0.2555	N/A	USACE/DNREC-IM	PEM
10-W-03	EMBANKMENT/FILL	666.04	0.0153	N/A	USACE/DNREC-IM	PFO
10-W-04	EMBANKMENT/FILL	1165.97	0.0268	N/A	DNREC-IM	PEM
10-W-05	EMBANKMENT/FILL	1489.73	0.0342	N/A	DNREC-IM	PFO
10-W-06	EMBANKMENT/FILL	193.58	0.0044	N/A	USACE	PEM
10-W-07	EMBANKMENT/FILL	444.70	0.0102	N/A	USACE/DNREC-IM	PEM

ID'S 10-W-06 AND 10-W-07 PERMANENT WETLAND IMPACTS ARE ASSOCIATED WITH BRIDGE 1-678. ALL OTHER IMPACTS LISTED ARE ASSOCIATED WITH BRIDGE 1-675.

TEMPORARY WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
10-WT-01	CLEAN EXISTING OUTFALL	204.87	0.0047	N/A	USACE/DNREC-M	PEM
10-WT-02	CLEAN EXISTING OUTFALL	188.79	0.0043	N/A	USACE	PEM

TOTAL PERMANENT DNREC IMPACTS FOR THIS SHEET = 0.3420 AC. (ALL IM)
 TOTAL PERMANENT USACE IMPACTS FOR THIS SHEET = 0.2855 AC.
 0.2970 AC. (PEM)
 0.0495 AC. (PFO)

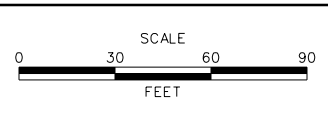
TOTAL TEMPORARY DNREC IMPACTS FOR THIS SHEET = 0.0047 AC. (ALL M)
 TOTAL TEMPORARY USACE IMPACTS FOR THIS SHEET = 0.0090 AC. (ALL PFO)



PLOTTED BY: MONTE DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC10.DGN [SHEET: EC10]

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



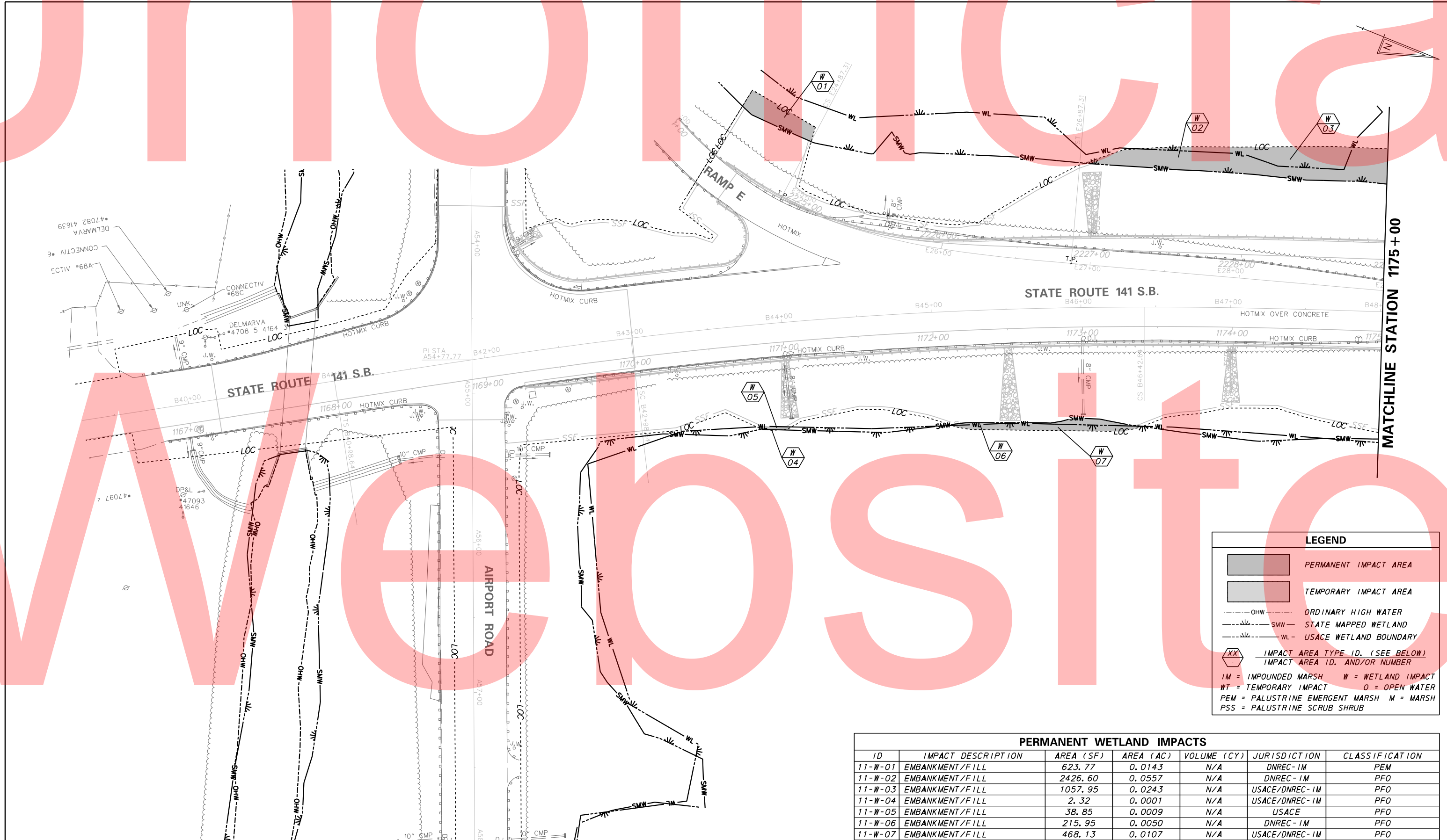
I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

ENVIRONMENTAL
COMPLIANCE PLAN

EC-10
SHEET NO.
218
TOTAL SHTS.
481

PLOTTED BY: MONITES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE.CADD\EC.DGN [SHEET: EC11]



LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	SMW - STATE MAPPED WETLAND
	WL - USACE WETLAND BOUNDARY
XX	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM = IMPOUNDED MARSH	W = WETLAND IMPACT
WT = TEMPORARY IMPACT	O = OPEN WATER
PEM = PALUSTRINE EMERGENT MARSH	M = MARSH
PSS = PALUSTRINE SCRUB SHRUB	

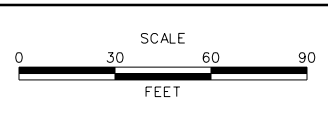
PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
11-W-01	EMBANKMENT/FILL	623.77	0.0143	N/A	DNREC-IM	PEM
11-W-02	EMBANKMENT/FILL	2426.60	0.0557	N/A	DNREC-IM	PFO
11-W-03	EMBANKMENT/FILL	1057.95	0.0243	N/A	USACE/DNREC-IM	PFO
11-W-04	EMBANKMENT/FILL	2.32	0.0001	N/A	USACE/DNREC-IM	PFO
11-W-05	EMBANKMENT/FILL	38.85	0.0009	N/A	USACE	PFO
11-W-06	EMBANKMENT/FILL	215.95	0.0050	N/A	DNREC-IM	PFO
11-W-07	EMBANKMENT/FILL	468.13	0.0107	N/A	USACE/DNREC-IM	PFO

TOTAL DNREC IMPACTS FOR THIS SHEET = 0.1101 AC. (ALL IM)
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.0360 AC. (ALL PEM)
 0.0143 AC. (PEM)
 0.0967 AC. (PFO)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



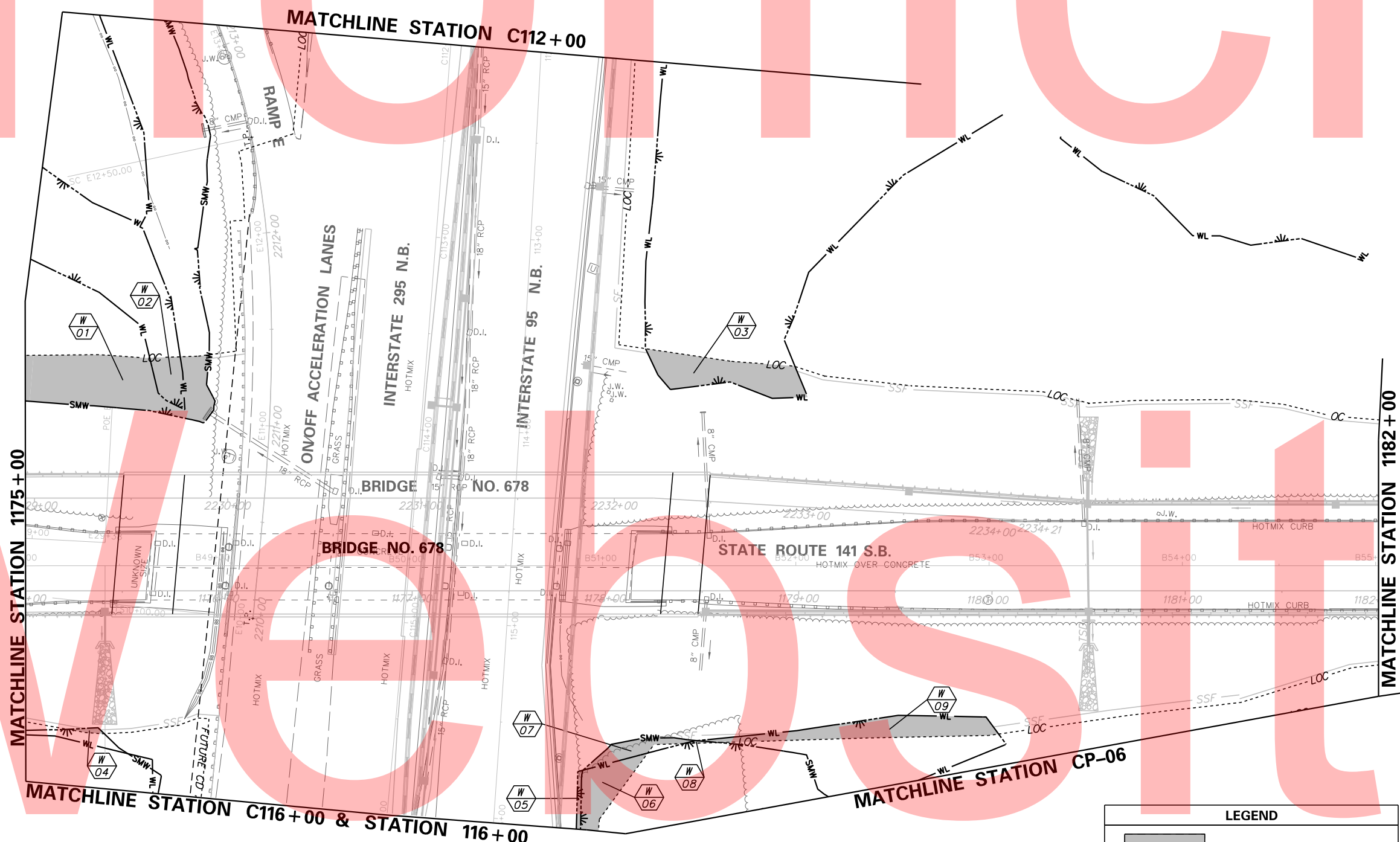
I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

ENVIRONMENTAL
COMPLIANCE PLAN

EC-11
 SHEET NO.
 219
 TOTAL SHTS.
 481

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC12.DGN [SHEET: EC12]



PERMANENT WETLAND IMPACTS						
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
12-W-01	EMBANKMENT/FILL	2215.61	0.0509	N/A	DNREC-IM	PFO
12-W-02	EMBANKMENT/FILL	340.68	0.0078	N/A	USACE/DNREC-IM	PEM
12-W-03	EMBANKMENT/FILL	1167.24	0.0268	N/A	USACE	PEM
12-W-04	EMBANKMENT/FILL	31.44	0.0007	N/A	DNREC-IM	PEM
12-W-05	EMBANKMENT/FILL	62.69	0.0014	N/A	USACE	PEM
12-W-06	EMBANKMENT/FILL	644.18	0.0148	N/A	USACE/DNREC-IM	PEM
12-W-07	EMBANKMENT/FILL	306.18	0.0070	N/A	DNREC-IM	PEM
12-W-08	EMBANKMENT/FILL	12.55	0.0003	N/A	USACE/DNREC-IM	PEM
12-W-09	EMBANKMENT/FILL	1086.44	0.0249	N/A	USACE	PFO

TOTAL DNREC IMPACTS FOR THIS SHEET = 0.0815 AC. (ALL IM)
 TOTAL USACE IMPACTS FOR THIS SHEET = 0.0760 AC.
 0.0588 AC. (PEM)
 0.0758 AC. (PFO)

NOTE:
 IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

ADDENDUMS / REVISIONS



LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- OHW --- ORDINARY HIGH WATER
- SMW --- STATE MAPPED WETLAND
- WL --- USACE WETLAND BOUNDARY
- XX IMPACT AREA TYPE ID. (SEE BELOW)
IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH W = WETLAND IMPACT
- WT = TEMPORARY IMPACT O = OPEN WATER
- PEM = PALUSTRINE EMERGENT MARSH M = MARSH
- PSS = PALUSTRINE SCRUB SHRUB

BRIDGE 678 IS NON-JURISDICTIONAL

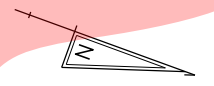
DELAWARE
DEPARTMENT OF TRANSPORTATION

I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

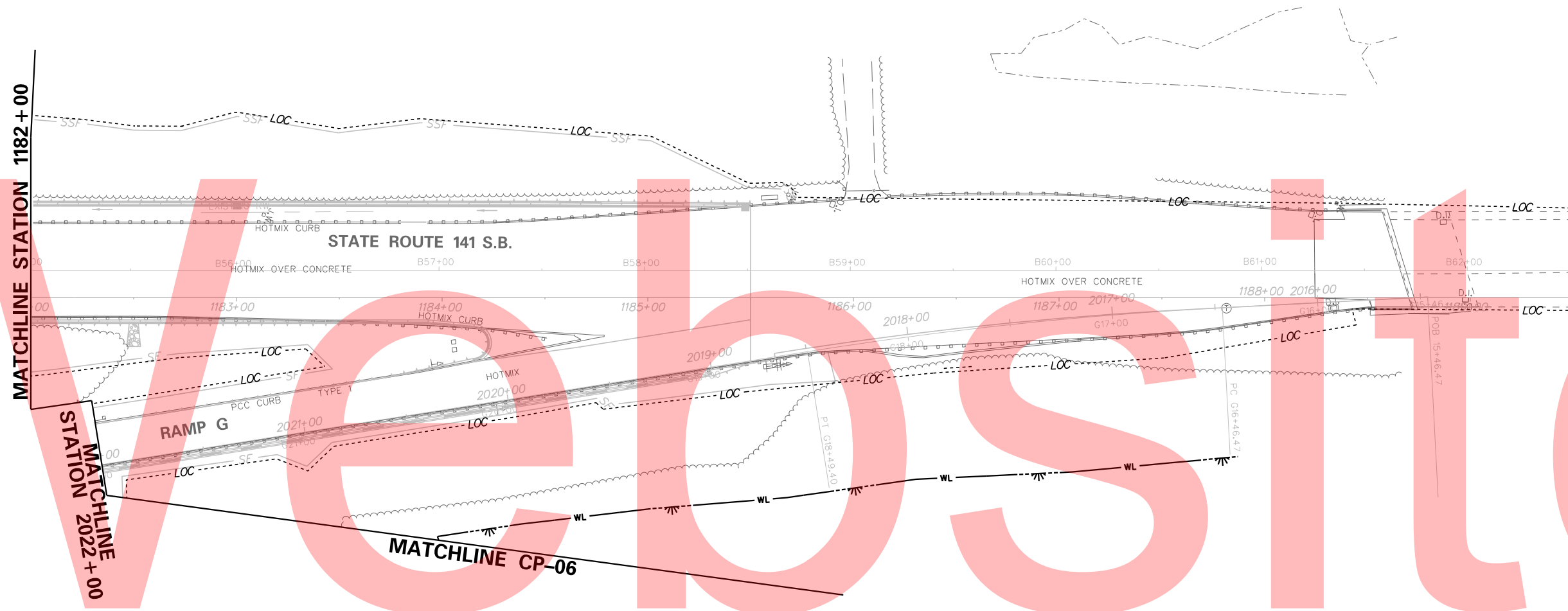
ENVIRONMENTAL
COMPLIANCE PLAN

EC-12
 SHEET NO.
 220
 TOTAL SHTS.
 481



LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	OHW - ORDINARY HIGH WATER
	SMW - STATE MAPPED WETLAND
	WL - USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM = IMPOUNDED MARSH	W = WETLAND IMPACT
WT = TEMPORARY IMPACT	O = OPEN WATER
PEM = PALUSTRINE EMERGENT MARSH	M = MARSH
PSS = PALUSTRINE SCRUB SHRUB	

NO IMPACTS OCCUR ON THIS SHEET.

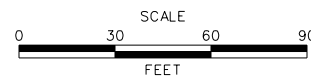


PLOTTED BY: MONTES DATE: 5/15/2015
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NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



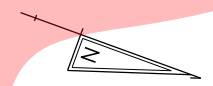
I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

ENVIRONMENTAL
COMPLIANCE PLAN

EC-13
SHEET NO.
221
TOTAL SHTS.
481

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\EC.DGN [SHEET: EC14]



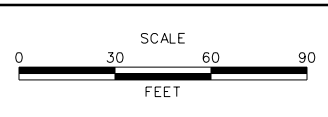
LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	STATE MAPPED WETLAND
	USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM = IMPOUNDED MARSH	W = WETLAND IMPACT
WT = TEMPORARY IMPACT	O = OPEN WATER
PEM = PALUSTRINE EMERGENT MARSH	M = MARSH
PSS = PALUSTRINE SCRUB SHRUB	

NO IMPACTS OCCUR ON THIS SHEET.

NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

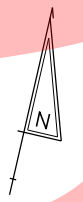


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

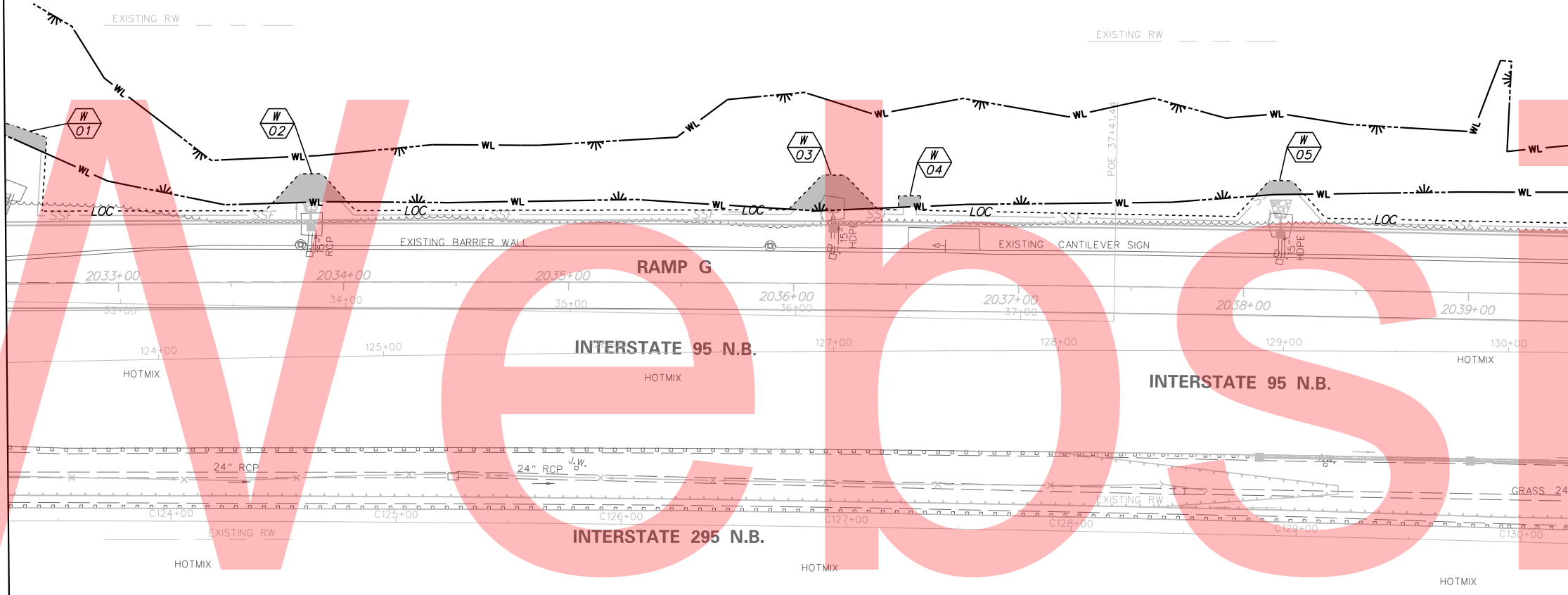
**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-14
SHEET NO.
222
TOTAL SHTS.
481



MATCHLINE STATION 2032+50

MATCHLINE STATION 2039+50



PERMANENT WETLAND IMPACTS

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	CLASSIFICATION
15-W-01	EMBANKMENT/FILL	118.53	0.0027	N/A	USACE	PEM
15-W-02	EMBANKMENT/FILL	274.88	0.0063	N/A	USACE	PEM
15-W-03	EMBANKMENT/FILL	385.06	0.0088	N/A	USACE	PEM
15-W-04	EMBANKMENT/FILL	48.01	0.0011	N/A	USACE	PEM
15-W-05	EMBANKMENT/FILL	99.06	0.0023	N/A	USACE	PEM

TOTAL DNREC IMPACTS FOR THIS SHEET = 0.0000 AC.

TOTAL USACE IMPACTS FOR THIS SHEET = 0.0212 AC. (ALL PEM)

NOTE:

IMPACTS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

LEGEND

- PERMANENT IMPACT AREA
 - TEMPORARY IMPACT AREA
 - ORDINARY HIGH WATER
 - STATE MAPPED WETLAND
 - USACE WETLAND BOUNDARY
 - XX IMPACT AREA TYPE ID. (SEE BELOW)
 - 00 IMPACT AREA ID. AND/OR NUMBER
- IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB

PLOTTED BY: MONTEZ DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC.DGN [SHEET: EC15]

**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS

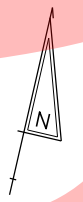


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-15
SHEET NO.
223
TOTAL SHTS.
481



LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	ORDINARY HIGH WATER
	STATE MAPPED WETLAND
	USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM	IMPOUNDED MARSH
WT	TEMPORARY IMPACT
PEM	PALUSTRINE EMERGENT MARSH
PSS	PALUSTRINE SCRUB SHRUB
W	WETLAND IMPACT
O	OPEN WATER
M	MARSH

NO IMPACTS OCCUR ON THIS SHEET.

NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE.060272_020_1-95_AND_SR_141_INTE\CADD\EC.DGN [SHEET: EC16]



**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS




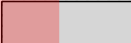
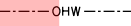



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

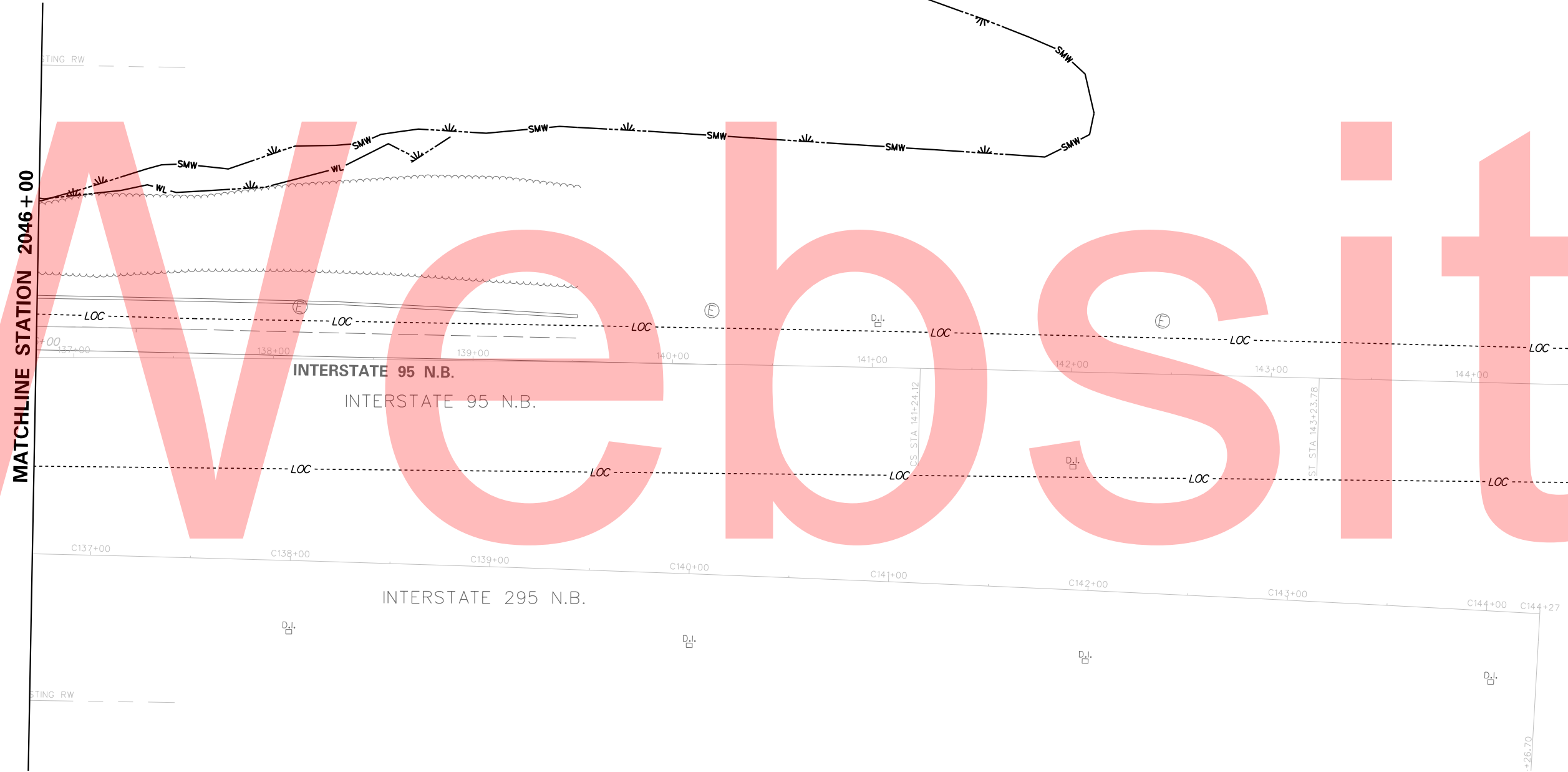
EC-16
SHEET NO.
224
TOTAL SHTS.
481

LEGEND

-  PERMANENT IMPACT AREA
-  TEMPORARY IMPACT AREA
-  OHW - ORDINARY HIGH WATER
-  SMW - STATE MAPPED WETLAND
-  WL - USACE WETLAND BOUNDARY
-  IMPACT AREA TYPE ID. (SEE BELOW)
IMPACT AREA ID. AND/OR NUMBER

IM = IMPOUNDED MARSH W = WETLAND IMPACT
 WT = TEMPORARY IMPACT O = OPEN WATER
 PEM = PALUSTRINE EMERGENT MARSH M = MARSH
 PSS = PALUSTRINE SCRUB SHRUB

NO IMPACTS OCCUR ON THIS SHEET.



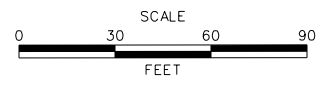
NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-675.

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE.060272.020.1-95_AND_SR_141_INTE\CADD\EC.DGN [SHEET: EC17]



**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	

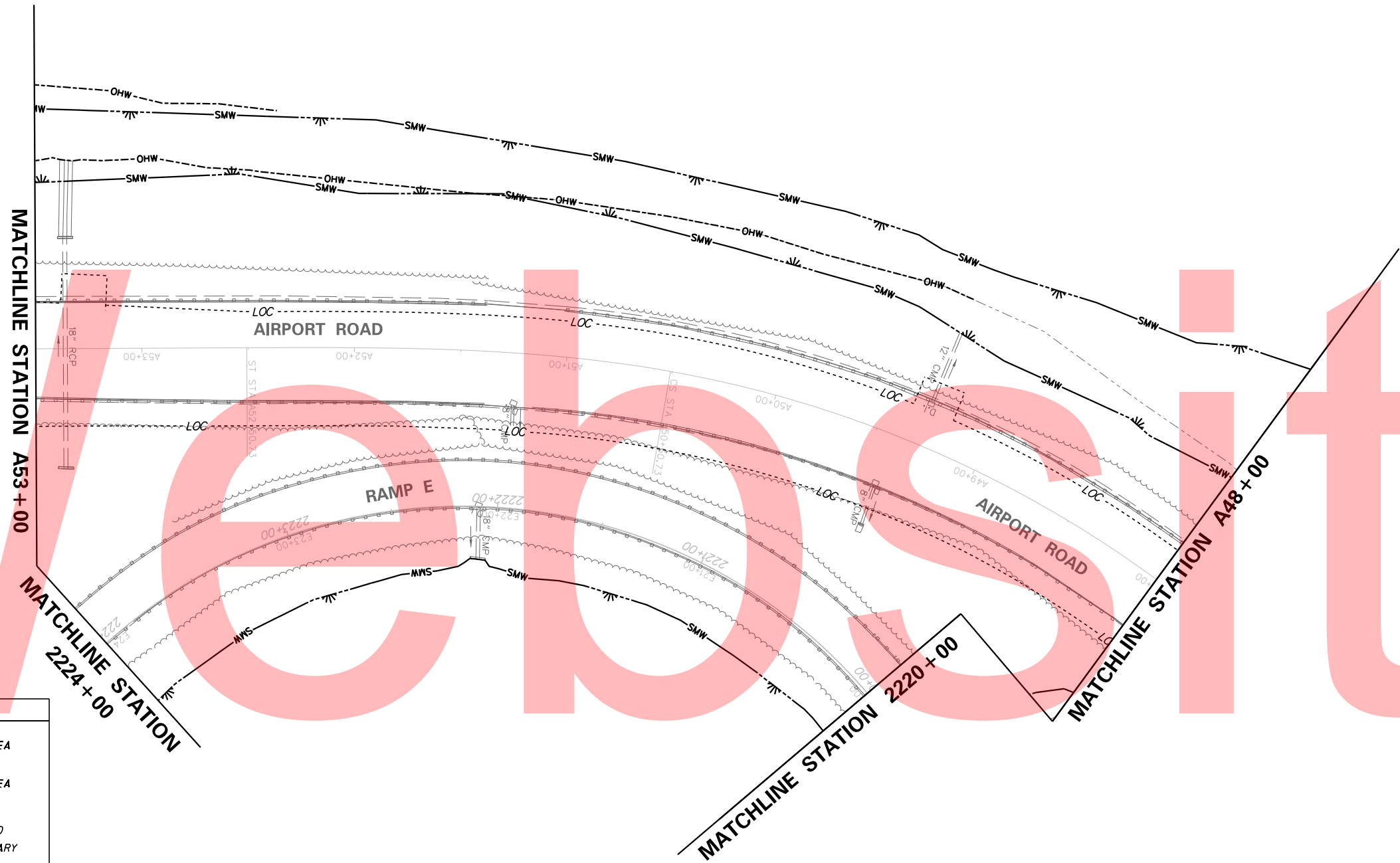
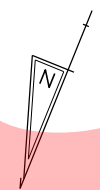


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-17
SHEET NO.
225
TOTAL SHTS.
481



NO IMPACTS OCCUR ON THIS SHEET.

NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

PLOTTED BY: MONITES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE.060272.020.1-95_AND_SR_141_INTERCHANGE\CADD\EC.DGN [SHEET: EC18]



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

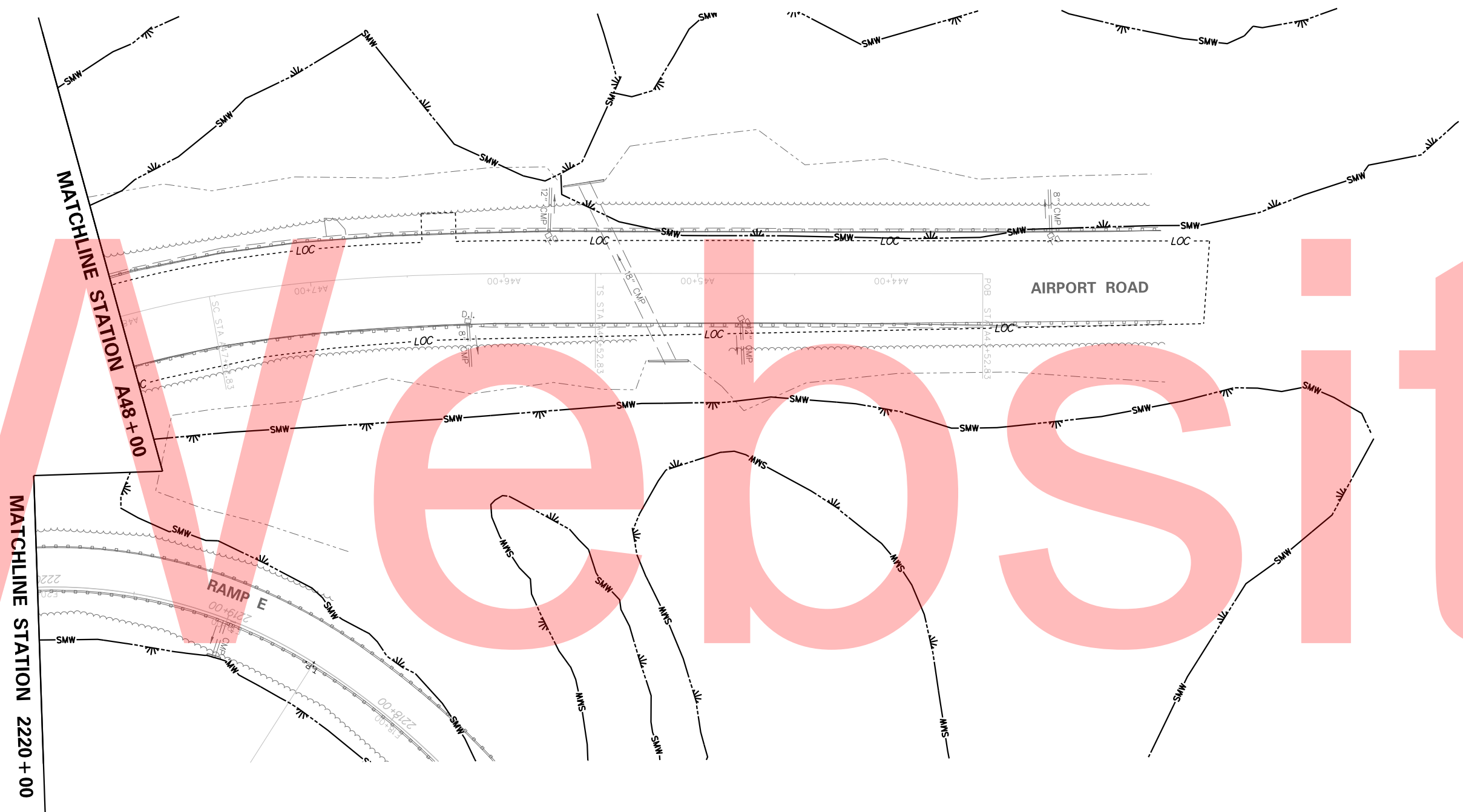
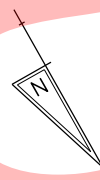


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-18
SHEET NO.
226
TOTAL SHTS.
481



LEGEND	
	PERMANENT IMPACT AREA
	TEMPORARY IMPACT AREA
	OHW - ORDINARY HIGH WATER
	SMW - STATE MAPPED WETLAND
	WL - USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM	IMPOUNDED MARSH
WT	TEMPORARY IMPACT
PEM	PALUSTRINE EMERGENT MARSH
PSS	PALUSTRINE SCRUB SHRUB
W	WETLAND IMPACT
O	OPEN WATER
M	MARSH

NOTE:
RESOURCES SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

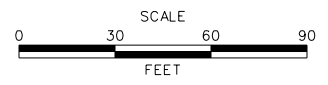
NO IMPACTS OCCUR ON THIS SHEET.

PLOTTED BY: MONTES DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\EC.DGN [SHEET: EC19]



**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



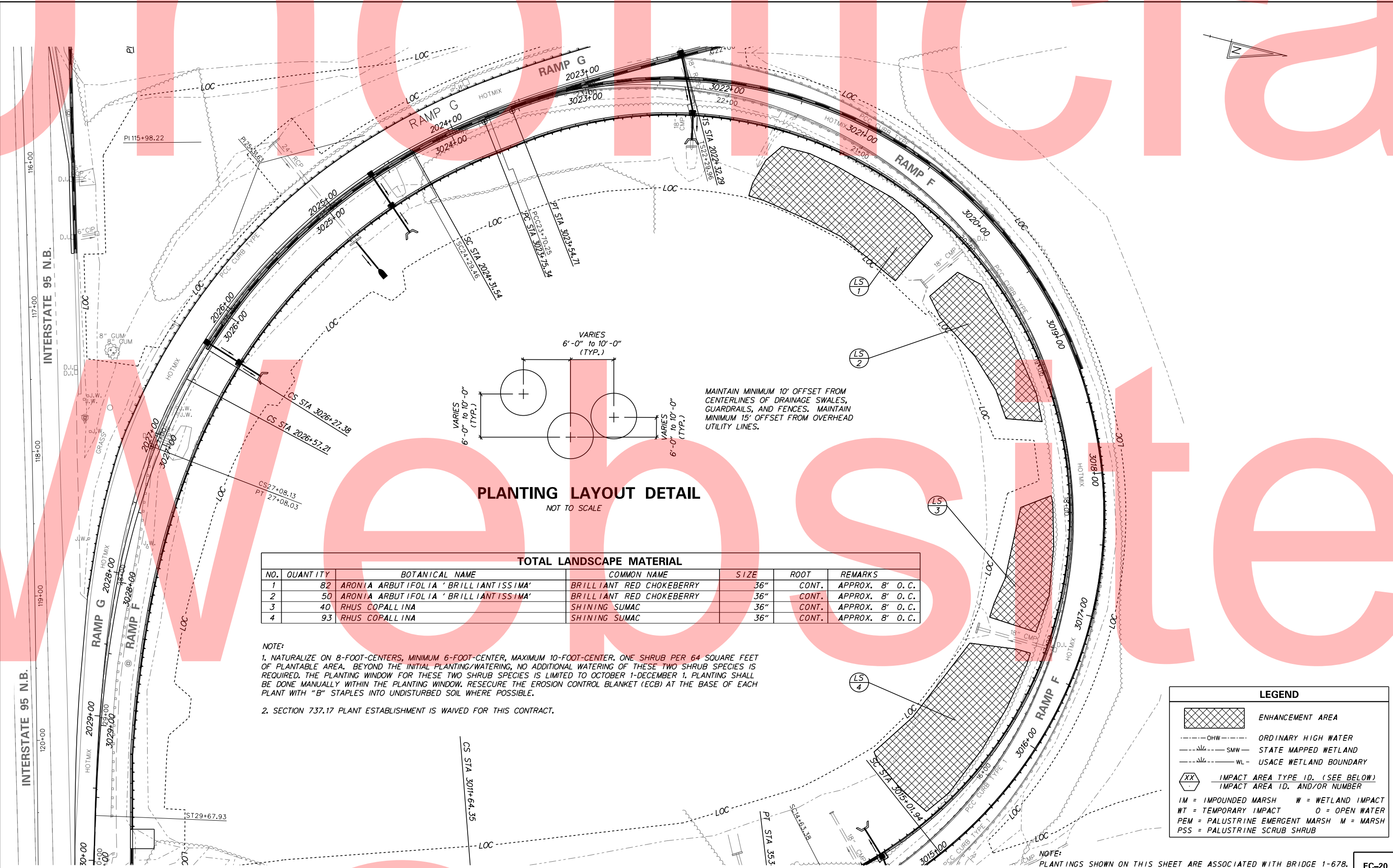
**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	ATF
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**ENVIRONMENTAL
COMPLIANCE PLAN**

EC-19
SHEET NO.
227
TOTAL SHTS.
481

DATE: 5/15/2015
 FILE LOCATION: Q:\INDE\060272_020_1\95_AND_SR_141_INTE\CADD\EC20.DGN [SHEET: EC20]



PLANTING LAYOUT DETAIL
 NOT TO SCALE

TOTAL LANDSCAPE MATERIAL						
NO.	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
1	82	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANT RED CHOKEBERRY	36"	CONT.	APPROX. 8' O. C.
2	50	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANT RED CHOKEBERRY	36"	CONT.	APPROX. 8' O. C.
3	40	RHUS COPALLINA	SHINING SUMAC	36"	CONT.	APPROX. 8' O. C.
4	93	RHUS COPALLINA	SHINING SUMAC	36"	CONT.	APPROX. 8' O. C.

- NOTE:**
- NATURALIZE ON 8-FOOT-CENTERS, MINIMUM 6-FOOT-CENTER, MAXIMUM 10-FOOT-CENTER. ONE SHRUB PER 64 SQUARE FEET OF PLANTABLE AREA. BEYOND THE INITIAL PLANTING/WATERING, NO ADDITIONAL WATERING OF THESE TWO SHRUB SPECIES IS REQUIRED. THE PLANTING WINDOW FOR THESE TWO SHRUB SPECIES IS LIMITED TO OCTOBER 1-DECEMBER 1. PLANTING SHALL BE DONE MANUALLY WITHIN THE PLANTING WINDOW. RESECURE THE EROSION CONTROL BLANKET (ECB) AT THE BASE OF EACH PLANT WITH "B" STAPLES INTO UNDISTURBED SOIL WHERE POSSIBLE.
 - SECTION 737.17 PLANT ESTABLISHMENT IS WAIVED FOR THIS CONTRACT.

LEGEND	
	ENHANCEMENT AREA
	OHW - ORDINARY HIGH WATER
	SMW - STATE MAPPED WETLAND
	WL - USACE WETLAND BOUNDARY
	IMPACT AREA TYPE ID. (SEE BELOW) IMPACT AREA ID. AND/OR NUMBER
IM	= IMPOUNDED MARSH
WT	= WETLAND IMPACT
WT	= TEMPORARY IMPACT
PEM	= PALUSTRINE EMERGENT MARSH
M	= MARSH
PSS	= PALUSTRINE SCRUB SHRUB

NOTE: PLANTINGS SHOWN ON THIS SHEET ARE ASSOCIATED WITH BRIDGE 1-678.

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY: CGG	
COUNTY	CHECKED BY: BPH	
NEW CASTLE		

ENVIRONMENTAL COMPLIANCE PLAN

EC-20	SHEET NO.	228
	TOTAL SHTS.	481

MAINTENANCE OF TRAFFIC NOTES

- UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, MAINTENANCE OF TRAFFIC DURING LANE CLOSURES ON SR 141, NORTHBOUND I-295, AND ON/OFF ACCELERATION LANES SHALL CONFORM TO TA-33 OF THE DELAWARE MUTCD. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES ON I-95 SHALL CONFORM TO TA-37 OF THE DELAWARE MUTCD. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES ON TWO-LANE, TWO-WAY ROADWAYS SHALL CONFORM TO TA-10 OF THE DELAWARE MUTCD.
- MAINTENANCE OF TRAFFIC DURING SHOULDER CLOSURES ON MULTI-LANE DIVIDED ROADS SHALL CONFORM TO TA-5A OF THE DELAWARE MUTCD. MAINTENANCE OF TRAFFIC DURING SHOULDER CLOSURES ON TWO-LANE, TWO-WAY ROADWAYS SHALL CONFORM TO CASE TA-3 OF THE DELAWARE MUTCD.
- THE CONTRACTOR SHALL SUPPLY MESSAGE BOARDS TO PLACE AT LOCATIONS WITHIN 1 MILE OF THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER TEN DAYS IN ADVANCE OF NEW TRAFFIC PATTERNS OR ROAD CLOSURES. MESSAGE BOARDS FOR ROAD CLOSURES SHALL REMAIN IN PLACE 5 DAYS AFTER THE CLOSURE OCCURS. THE ENGINEER MAY LENGTHEN OR SHORTEN THE REQUIRED DURATIONS FOR THE MESSAGE BOARDS BASED ON CONDITIONS IN THE FIELD. PAYMENT FOR THESE MESSAGE BOARDS WILL BE MADE UNDER ITEM NUMBER 743004. SIX PLASTIC DRUMS SHALL BE PLACED IN FRONT OF THE MESSAGE BOARD. THE CONTRACTOR SHALL PROVIDE A PERSON TO PERFORM MAINTENANCE ON THE MESSAGE BOARDS THAT THE ENGINEER CAN CONTACT AT ALL TIMES.
- TEMPORARY FLOODLIGHTING NECESSARY DUE TO WORK OCCURRING AFTER DARK WILL BE PAID UNDER ITEM NUMBER 743005. THE ATSSA SUPERVISOR SHALL APPROVE THE POSITION OF THE LIGHT ASSEMBLY. DURING BOTH DAY AND NIGHT WORK, ALL PERSONS WORKING WITHIN THE WORK SITE MUST WEAR REFLECTORIZED VESTS IN ACCORDANCE WITH THE DELAWARE MUTCD.
- WHERE TYPICAL TRAFFIC CONTROL PLANS FROM THE DELAWARE MUTCD ARE USED, THE CONTRACTOR SHALL REVIEW THE REQUIRED SIGNING AND TRAFFIC CONTROL DEVICES WITH THE ENGINEER AND SAFETY OFFICER TO ENSURE THEIR APPLICABILITY PRIOR TO IMPLEMENTATION.
- PORTABLE CONCRETE SAFETY BARRIER AND PLASTIC DRUMS SHALL BE PLACED AT A MINIMUM OF 12 INCHES FROM THE EDGELINE OF TRAVEL LANE AS INDICATED ON THE TYPICAL SECTIONS. THE BOTTOM OF PORTABLE CONCRETE SAFETY BARRIER SHALL HAVE SLOTS TO ALLOW DRAINAGE RUNOFF TO PASS UNDER IT.
- TEMPORARY STRIPING TO REMAIN FOR MORE THAN TWO WEEKS SHALL BE EPOXY.
- THIS PROJECT IS CONSIDERED A SIGNIFICANT PROJECT AS DEFINED BY DELDOT'S WORK ZONE MOBILITY PROCEDURES AND GUIDELINES. A TYPE B TRANSPORTATION MANAGEMENT PLAN (TMP) HAS BEEN PREPARED AND IS AVAILABLE FOR VIEWING BY CONTACTING THE DEPARTMENT'S SAFETY PROGRAMS MANAGER AT (302) 659-4060. ALL MONITORING REQUIREMENTS OF THE TMP SHALL BE CONDUCTED BY DELDOT FORCES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MODIFICATIONS TO THE TMP SHALL BE COMPLETED BY THE CONTRACTOR IF CHANGES TO THE TIME RESTRICTIONS OR THE TRAFFIC CONTROL PLAN ARE DESIRED. THE MODIFIED TMP SHALL BE PREPARED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF DELAWARE.
- TEMPORARY PAVEMENT MARKINGS SHALL MATCH THE DIMENSIONS AND LAYOUT OF "PERMANENT MARKINGS" AND SHALL BE INSTALLED IN ACCORDANCE WITH THE DELAWARE MUTCD. ALL CONFLICTING STRIPING IS TO BE REMOVED AS DIRECTED BY THE ENGINEER, BY A METHOD APPROVED BY THE ENGINEER.
- CONTACT THE HAULING PERMIT OFFICE AT (302) 744-2700 FOR DELDOT'S OVERSIZE OVERWEIGHT PERMIT SYSTEM (OOPS) TO REQUEST POSTING ANY LANE RESTRICTIONS OR ROAD CLOSURES ON THE TEMPORARY ROUTE RESTRICTIONS WEBSITE AT LEAST TWO WEEKS IN ADVANCE OF NEW TRAFFIC PATTERNS.
- LONGITUDINAL EDGE DROP-OFFS SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.
 - WHERE PLACEMENT OF A WEDGE/FILLET BETWEEN TRAVEL LANES AND A PAVEMENT BOX IS REQUIRED, APPROVED BASE COURSE MATERIAL SHALL BE USED FOR THE FILLET MATERIAL. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE ITEM.
 - WHERE PLACEMENT OF A WEDGE/FILLET AT THE EDGE OF THE ROADWAY IS REQUIRED, PAVEMENT MILLINGS SHALL BE USED FOR THE FILLET MATERIAL. PAYMENT FOR PAVEMENT MILLINGS SHALL BE INCIDENTAL TO ITEM 743000. NO SEPARATE PAYMENT SHALL BE MADE FOR PAVEMENT MILLINGS TO CORRECT PAVEMENT EDGE DROP OFFS, UNLESS THE MATERIAL IS EVENTUALLY USED AS PART OF A PERMANENT ROADWAY, AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT BID ITEM.
- THE MAINTENANCE OF TRAFFIC SHOWN ON THESE PLANS ASSUMES THAT THE BRIDGE 675 AND 678 CONSTRUCTION ACTIVITIES ARE PERFORMED SIMULTANEOUSLY. IT IS ANTICIPATED THAT ALL OF THE BRIDGE CONSTRUCTION SHALL BE PERFORMED SIMULTANEOUSLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE EQUIPMENT AND WORK FORCE.
- THE CONTRACTOR SHALL NOT BLOCK OR INTERFERE WITH THE MICROWAVE FIELD OF VIEW OR THE DETECTION AREA AT THE SIGNALIZED INTERSECTIONS.
- WHENEVER THE TEMPORARY CROSSOVER IS IN USE THE POSTED SPEED LIMIT ON NORTHBOUND I-95/I-295 WILL BE REDUCED TO 35 MPH AND SIGNED AS SHOWN ON PLAN.
- WHENEVER THE TEMPORARY CROSSOVER IS BEING UTILIZED AT NIGHT, TEMPORARY LIGHTING SHALL BE PROVIDED. THE TEMPORARY LIGHTING SHALL BE PAID UNDER ITEM NUMBER 743005.
- TRAFFIC OFFICERS SHALL BE UNIFORMED AND EQUIPPED WITH MARKED DELAWARE STATE POLICE VEHICLES WHICH SHALL INCLUDE A SPEED MEASURING DEVICE. THE ATSSA SUPERVISOR SHALL INFORM THE STATE TROOPER OF THE OVERALL MOT SCHEME, AS WELL AS THE SPECIFICS OF HIS/HER FUNCTION.
- ANY CLOSURES REQUIRED FOR THE CONSTRUCTION OF THE TEMPORARY SHIELD SHALL BE DONE AT NIGHT AND SHALL UTILIZE TA-5, TA-33, TA-37, OR ONE OF TRAFFIC SETUPS FOR THE GIRDER REMOVAL.
- SIGN SETUPS FOR LANE CLOSURES ON I-95/I-295 MAY START HALF AN HOUR PRIOR TO LANE CLOSURES ON WEEKDAYS. THE LANE CLOSURES ON I-95/I-295 MAY START AT TIMES ESTABLISHED BY THE TRAFFIC RESTRICTIONS TABLE.
- CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED WITH 18" EPOXY RESIN PAINT, UNLESS OTHERWISE NOTED. THE 18" EPOXY RESIN PAINT SHALL BE PAID UNDER ITEM 748568.
- A QUEUE DETECTION SYSTEM SHALL BE UTILIZED WHENEVER THE EXPECTED QUEUES ALONG I-95 OR I-295 ARE GREATER THAN ONE MILE. THE QUEUE DETECTION SYSTEM SHALL BE IMPLEMENTED PER THE TMP.

MAINTENANCE OF TRAFFIC NOTES (CONTINUED)

- ROADWAY AND SHOULDER WORK SHALL BE PERFORMED IN A MANNER SUCH THAT POSITIVE DRAINAGE OF THE ROADWAY SURFACES IS MAINTAINED THROUGHOUT CONSTRUCTION. ALL WORK MATERIALS TO PROVIDE AND MAINTAIN THIS DRAINAGE SHALL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC.
- PROVIDE A "CLASS 1" TOW TRUCK ON SITE WHENEVER SR 141, I-95, OR I-295 IS REDUCED TO A SINGLE LANE. A "CLASS 2" TOW TRUCK SHALL BE PROVIDED WHEN DIRECTED.
- THE RESIDENT ENGINEER OR AN APPOINTED REPRESENTATIVE SHALL BE THE OFFICIAL TIME KEEPER FOR THE LANE CLOSURES. THE TIMES SHALL BE BASED ON "VERIZON TIME".

GUIDELINES FOR USE OF TRAFFIC OFFICERS

- CONTRACTOR SHALL BE REQUIRED TO ENSURE THAT A TRAFFIC OFFICER IS ON DUTY DURING ALL STRIPING OPERATIONS ALONG I-95 AND I-295.
- CONTRACTOR SHALL BE REQUIRED TO ENSURE THAT A TRAFFIC OFFICER IS ON DUTY DURING ANY WORK ZONE OPERATIONS ALONG I-95, I-295, OR SR 141 THAT REQUIRE BRIEF STOPPING OF ALL TRAFFIC IN ONE OR BOTH DIRECTIONS IN ACCORDANCE WITH TA-35H. THIS WORK INCLUDES BUT IS NOT LIMITED TO THE REMOVAL AND INSTALLATION OF OVERHEAD SIGN STRUCTURES.
- TRAFFIC OFFICERS SHALL BE ON DUTY DURING NIGHTTIME LANE CLOSURES ALONG I-95, I-295, RAMP E/D2 SLIP LANES AND SR 141.
- TRAFFIC OFFICERS SHALL BE ON DUTY DURING ALL ROAD OR RAMP CLOSURE OPERATIONS AND UP TO THREE HOURS FOLLOWING THE COMPLETE CLOSURE OF THE ROADWAY OR RAMP.
- THREE TRAFFIC OFFICERS SHALL BE REQUIRED TO PERFORM SPEED ENFORCEMENT ON I-95 AND/OR SR 141 ONE DAY PER WEEK FOR A FOUR HOUR PERIOD. DAYS AND TIME PERIODS SHALL BE SPECIFIED BY THE ENGINEER. ALL TRAFFIC OFFICERS ARE REQUIRED TO PROVIDE ENFORCEMENT STATISTICS TO THE ENGINEER FOR EACH SPEED ENFORCEMENT PERIOD.
- ADDITIONAL USE OF TRAFFIC OFFICERS SHALL BE APPROVED BY THE TRAFFIC SAFETY SECTION AS NEEDED.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL INSTALL INLET PROTECTION ON ALL DRAINAGE INLETS SHOWN ON THE CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLANS.
- THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES FOLLOWING FINAL VEGETATIVE STABILIZATION OF ENTIRE DISTURBED AREA AND UPON THE APPROVAL OF THE EROSION AND SEDIMENT CONTROL INSPECTOR.
- THE SILT FENCE AND SUPER SILT FENCE LINES HAVE BEEN OFFSET FROM THE LIMIT OF CONSTRUCTION FOR PRESENTATION CLARITY. CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROLS (I.E. SF AND SSF) AT THE LIMIT OF CONSTRUCTION.
- THE CONTRACTOR SHALL EMPLOY INCREMENTAL STABILIZATION PRACTICES WHEN CONSTRUCTING EMBANKMENT SLOPES AS PER SECTION 907 OF THE SUPPLEMENTAL SPECIFICATIONS AND AS SHOWN ON STD DETAIL E-1.

CONSTRUCTION PHASING INDEX OF SHEETS

PHASE-1	CS-01 TO CS-27
PHASE-1A	CS-28 TO CS-31
PHASE-1B	CS-32 TO CS-37
PHASE-1C	CS-38 TO CS-40
PHASE-2A	CS-41 TO CS-47
PHASE-2	CS-48 TO CS-68
PHASE-1 GIRDER REMOVAL STAGE I	CS-69 TO CS-80
PHASE-1 GIRDER REMOVAL STAGE II	CS-81 TO CS-84
PHASE-1 GIRDER REMOVAL STAGE III	CS-85 TO CS-90
PHASE-1 PIER DEMO STAGE I	CS-91 TO CS-99
PHASE-1 PIER DEMO STAGE II	CS-100 TO CS-105
PHASE-1 GIRDER PLACEMENT STAGE I	CS-106 TO CS-116
PHASE-1 GIRDER PLACEMENT STAGE II	CS-117 TO CS-122
PHASE-1 GIRDER PLACEMENT STAGE III	CS-123 TO CS-128
PHASE-2 GIRDER REMOVAL STAGE I	CS-129 TO CS-138
PHASE-2 GIRDER REMOVAL STAGE II	CS-139 TO CS-142
PHASE-2 GIRDER REMOVAL STAGE III	CS-143 TO CS-148
PHASE-2 PIER DEMO STAGE I	CS-149 TO CS-157
PHASE-2 PIER DEMO STAGE II	CS-158 TO CS-164
PHASE-2 GIRDER PLACEMENT STAGE I	CS-165 TO CS-175
PHASE-2 GIRDER PLACEMENT STAGE II	CS-176 TO CS-181
PHASE-2 GIRDER PLACEMENT STAGE III	CS-182 TO CS-190

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	IMPACT ATTENUATOR (TL-3)
	IMPACT ATTENUATOR, SPECIAL (WIDE BAY)

EROSION & SEDIMENT CONTROL	
	DEWATERING BAG
	DEWATERING BASIN
	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
	PORTABLE SEDIMENT TANK
	SANDBAG DIKE
	SANDBAG DIVERSION
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE / LENGTH
	SILT FENCE
	SILT FENCE - REINFORCED
	SUMP PIT, TYPE 1
	SUMP PIT, TYPE 2
	SEDIMENT TRAP
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
	SEDIMENT TRAP PIPE OUTLET
	STILLING WELL
	TEMPORARY SWALE
	TEMPORARY SLOPE DRAIN
	TURBIDITY CURTAIN / LENGTH
	TURBIDITY CURTAIN

PLOTTED BY: MONTE DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020_I-95_AND_SR_141_INTERCHANGE\XCADD\CS00_PHASE1.DGN [SHEET: CS-GN01]

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT
 T201109002
 COUNTY
 NEW CASTLE

BRIDGE NO. 675 / 678
 DESIGNED BY: JDS
 CHECKED BY: BPH

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN**

CS-01
 SHEET NO.
 229
 TOTAL SHTS.
 481

TRAFFIC RESTRICTIONS

1. LANE OR RAMP CLOSURES AND DETOURS SHALL NOT BE PERMITTED DURING HOLIDAYS AND MAJOR EVENTS AS LISTED BELOW: (RAMP D2, RAMP F AND RAMP E ARE EXEMPT TO THIS RESTRICTION)

- DECEMBER 24 THROUGH DECEMBER 27 (CHRISTMAS DAY)
- DECEMBER 31 THROUGH JANUARY 3 (NEW YEARS DAY)
- FRIDAY PRIOR TO EASTER THROUGH EASTER SUNDAY
- MOTHER'S DAY
- THURSDAY PRIOR TO MEMORIAL DAY THROUGH THE TUESDAY FOLLOWING MEMORIAL DAY
- FIREFLY MUSIC FESTIVAL (THURSDAY MORNING PRIOR TO THE EVENT THROUGH MONDAY AT NOON FOLLOWING THE EVENT)
- DOVER INTERNATIONAL SPEEDWAY RACE WEEKENDS (THURSDAY PRIOR TO THE RACE EVENT THROUGH THE DAY AFTER THE RACE EVENT)
- JULY 3 THROUGH JULY 5 (INDEPENDENCE DAY)
- JULY 25 THROUGH JULY 29, 2016 (DEMOCRATIC NATIONAL CONVENTION)
- THURSDAY PRIOR TO LABOR DAY THROUGH THE TUESDAY FOLLOWING LABOR DAY
- WEDNESDAY PRIOR TO THANKSGIVING DAY THROUGH THE MONDAY FOLLOWING THANKSGIVING DAY

2. THE FOLLOWING SCHEDULES INDICATE THE ALLOWABLE TIME WHICH THE NUMBER OF LANES ON NORTHBOUND I-95 AND I-295 MAY BE REDUCED UNLESS OTHERWISE NOTED ON THE PHASING PLAN SHEETS. THE START TIME REPRESENTS THE EARLIEST TIME FOR WHICH THE LANE CLOSURE CAN BEGIN. THE SETUP OF TRAFFIC CONTROL FOR THE LANE CLOSURE MAY START HALF AN HOUR BEFORE THE START TIME. THE PROCESS OF REMOVAL FOR THE LANE CLOSURE SETUP MUST BEGIN BY THE END TIME LISTED. THE REMOVAL OF THE TRAFFIC CONTROL DEVICES FOR LANE CLOSURE MUST BE COMPLETED HALF AN HOUR AFTER THE END TIME.

NORTHBOUND I-295 SUMMER TIME MAY 15 THROUGH SEPTEMBER 15			
NON-SUMMER TIME PERIOD		1 LANE OPEN; 1 LANE CLOSED	DETOUR I-295 ONTO RAMP E/D2 SLIP LANES
MONDAY PM THROUGH FRIDAY AM	START	8:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	9:00 PM	9:00 PM
	END	11:00 AM	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	5:00 PM	7:00 PM
	END	NOON	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	7:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

NORTHBOUND I-95 SUMMER TIME MAY 15 THROUGH SEPTEMBER 15				
SUMMER TIME PERIOD		3 LANES OPEN; 1 LANE CLOSED	2 LANES OPEN; 2 LANE CLOSED	1 LANES OPEN; 3 LANE CLOSED
MONDAY PM THROUGH THURSDAY AM	START	6:00 PM	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	6:00 PM	7:00 PM	9:00 PM
	END	5:00 AM	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	8:00 PM	9:00 PM
	END		NOON	9:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	5:00 PM	7:00 PM
	END		NOON	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	5:00 PM	7:00 PM
	END		5:00 AM	5:00 AM

NORTHBOUND I-295 NON-SUMMER TIME SEPTEMBER 16 THROUGH MAY 14			
NON-SUMMER TIME PERIOD		1 LANE OPEN; 1 LANE CLOSED	DETOUR I-295 ONTO RAMP E/D2 SLIP LANES
MONDAY PM THROUGH THURSDAY AM	START	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	7:00 PM	9:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	8:00 PM	9:00 PM
	END	NOON	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	5:00 PM	7:00 PM
	END	NOON	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	6:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

NORTHBOUND I-95 NON-SUMMER TIME SEPTEMBER 16 THROUGH MAY 14				
NON-SUMMER TIME PERIOD		3 LANES OPEN; 1 LANE CLOSED	2 LANES OPEN; 2 LANE CLOSED	1 LANES OPEN; 3 LANE CLOSED
MONDAY PM THROUGH FRIDAY AM	START	6:00 PM	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	7:00 PM	9:00 PM
	END		1:00 PM	10:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	4:00 PM	6:00 PM
	END		1:00 PM	10:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	FRIDAY AT 6:00 PM TO MONDAY AT 5:00 AM	4:00 PM	7:00 PM
	END		5:00 AM	5:00 AM

3. DURING THE BRIDGE PIER REMOVAL WORK NORTHBOUND I-95 WILL BE REDUCED TO THREE LANES FOR NO MORE THAN FOUR CALENDAR DAYS DURING PHASE 1 STAGES 1 AND 11 AND FOR NO MORE THAN NINE CALENDAR DAYS DURING PHASE 2 STAGE 1. A ROAD USER COST AS STATED IN THE GENERAL NOTICES SHALL BE ASSESSED EVERY CALENDAR DAY FOR WHICH NORTHBOUND I-95 IS REDUCED TO THREE LANES AFTER THE ALLOTTED FOUR CALENDAR DAYS FOR PHASE 1 AND AFTER THE ALLOTTED NINE CALENDAR DAYS FOR PHASE 2.
4. RAMP F DURING PHASE 1A SHALL BE CLOSED FOR NO MORE THAN 70 CALENDAR DAYS. A ROAD USER COST AS STATED IN THE GENERAL NOTICES SHALL BE ASSESSED EVERY CALENDAR DAY FOR WHICH RAMP F IS NOT OPENED AFTER THE ALLOTTED 70 CALENDAR DAYS.
5. RAMP E DURING PHASE 1C SHALL BE CLOSED FOR NO MORE THAN 20 CALENDAR DAYS. A ROAD USER COST AS STATED IN THE GENERAL NOTICES SHALL BE ASSESSED EVERY CALENDAR DAY FOR WHICH RAMP E IS NOT OPENED AFTER THE 20 ALLOTTED CALENDAR DAYS.
6. RAMP G SHALL NOT BE CLOSED DURING A WEEKDAY FROM 5:00 AM TO 9:00 AM AND FROM 3:00 PM TO 6:00 PM.
7. CONSTRUCTION VEHICLE ACCESS TO THE NORTHBOUND I-95 OR I-295 WORK ZONES FROM I-95 OR I-295 MAY NOT DIRECTLY ENTER THE WORK ZONE FROM AN I-95 OR I-295 TRAVEL LANE. THESE VEHICLES MUST FIRST DECELERATE WITHIN THE EXISTING SHOULDER AND THEN ACCESS THE WORK ZONE. CONSTRUCTION VEHICLE ACCESS TO I-95 OR I-295 FROM THE WORK ZONE MAY NOT DIRECTLY ENTER A TRAVEL LANE. THESE VEHICLES MUST FIRST ACCELERATE WITHIN THE EXISTING SHOULDER AND THEN MERGE INTO TRAFFIC.
8. ACCESS TO ALL DELDOT MAINTENANCE ENTRANCES MUST BE MAINTAINED AT ALL TIMES.
9. NO EXISTING OVERHEAD/CANTILEVER SIGN AND/OR STRUCTURE MAY BE REMOVED UNTIL AFTER A TEMPORARY OR NEW REPLACEMENT SIGN AND/OR STRUCTURE IS INSTALLED AND ACCEPTED, UNLESS NOTED ON THE PLANS OR OTHERWISE APPROVED BY THE ENGINEER.
10. THE SETUP OR REMOVAL OF TRAFFIC CONTROL DEVICES ALONG NORTHBOUND SR 141, BETWEEN COMMONS BOULEVARD AND AIRPORT ROAD, INCLUDING TEMPORARY BARRIER, SHALL NOT OCCUR ON WEEKDAYS BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND FROM 3:00 PM TO 6:00 PM. THE SETUP OR REMOVAL OF TRAFFIC CONTROL DEVICES ALONG NORTHBOUND SR 141, BETWEEN AIRPORT ROAD AND RAMP L, INCLUDING TEMPORARY BARRIER, SHALL NOT OCCUR ON WEEKDAYS BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND FROM 1:00 PM TO 6:00 PM.

DATE: 4/9/2015 PLOTTED BY: GABEL FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-02]



ADDENDUMS / REVISIONS	

NOT TO SCALE

I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN

CS-02
SHEET NO.
230
TOTAL SHTS.
481

TRAFFIC RESTRICTIONS

**GIRDER REMOVAL WORK STAGE I
(I-95 TRAFFIC REDUCED TO ONE LANE AND I-295 TRAFFIC COMBINED WITH RAMP ED2 TRAFFIC)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	8:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	8:00 PM	9:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	9:00 PM	9:00 PM
	END	8:00 AM	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	7:00 PM	7:00 PM
	END	9:00 AM	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	7:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

**GIRDER PLACEMENT WORK STAGE I
(I-95 TRAFFIC REDUCED TO ONE LANE AND I-295 TRAFFIC COMBINED WITH RAMP ED2 TRAFFIC)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	8:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	8:00 PM	9:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	9:00 PM	9:00 PM
	END	8:00 AM	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	7:00 PM	7:00 PM
	END	9:00 AM	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	7:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

**GIRDER REMOVAL WORK STAGE II
(I-95 TRAFFIC REDUCED TO THREE LANES AND I-295 TRAFFIC COMBINED WITH RAMP ED2 TRAFFIC)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	8:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	8:00 PM	9:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	9:00 PM	9:00 PM
	END	8:00 AM	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	7:00 PM	7:00 PM
	END	9:00 AM	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	7:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

**GIRDER PLACEMENT WORK STAGE II
(I-95 TRAFFIC REDUCED TO ONE LANE AND I-295 TRAFFIC COMBINED WITH RAMP ED2 TRAFFIC)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	8:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	8:00 PM	9:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	9:00 PM	9:00 PM
	END	8:00 AM	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	7:00 PM	7:00 PM
	END	9:00 AM	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	7:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

**GIRDER REMOVAL WORK STAGE III
(I-95 TRAFFIC ON THE FOUR EXISTING LANES AND I-295 TRAFFIC REDUCED TO ONE LANE)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	8:00 PM	9:00 PM
	END	NOON	11:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	5:00 PM	5:00 PM
	END	NOON	NOON
SUNDAY MID-DAY THROUGH MONDAY AM	START	6:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

**GIRDER PLACEMENT WORK STAGE III
(I-95 TRAFFIC REDUCED TO TWO LANES AND I-295 TRAFFIC REDUCED TO ONE LANE)**

DAYS		NON-SUMMER	SUMMER
MONDAY PM THROUGH THURSDAY AM	START	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
THURSDAY PM THROUGH FRIDAY AM	START	7:00 PM	8:00 PM
	END	5:00 AM	5:00 AM
FRIDAY PM THROUGH SATURDAY MID-DAY	START	8:00 PM	9:00 PM
	END	NOON	8:00 AM
SATURDAY MID-DAY THROUGH SUNDAY MID-DAY	START	5:00 PM	7:00 PM
	END	NOON	9:00 AM
SUNDAY MID-DAY THROUGH MONDAY AM	START	6:00 PM	7:00 PM
	END	5:00 AM	5:00 AM

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-03]



ADDENDUMS / REVISIONS

NOT TO SCALE

I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT
T201109002
COUNTY
NEW CASTLE

BRIDGE NO. 675 / 678
DESIGNED BY: JDS
CHECKED BY: BPH

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN

CS-03

SHEET NO.

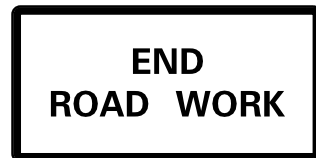
231

TOTAL SHTS.

481



W20-1F
48" x 48"
A



G20-2A
48" x 24"
B



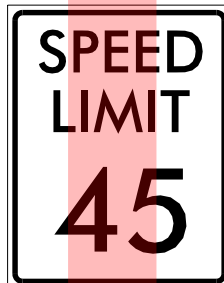
W20-1B
48" x 48"
C



W20-1C
48" x 48"
D



W20-1E
48" x 48"
E



R2-1
36" x 48"
F



W3-5
48" x 48"
G



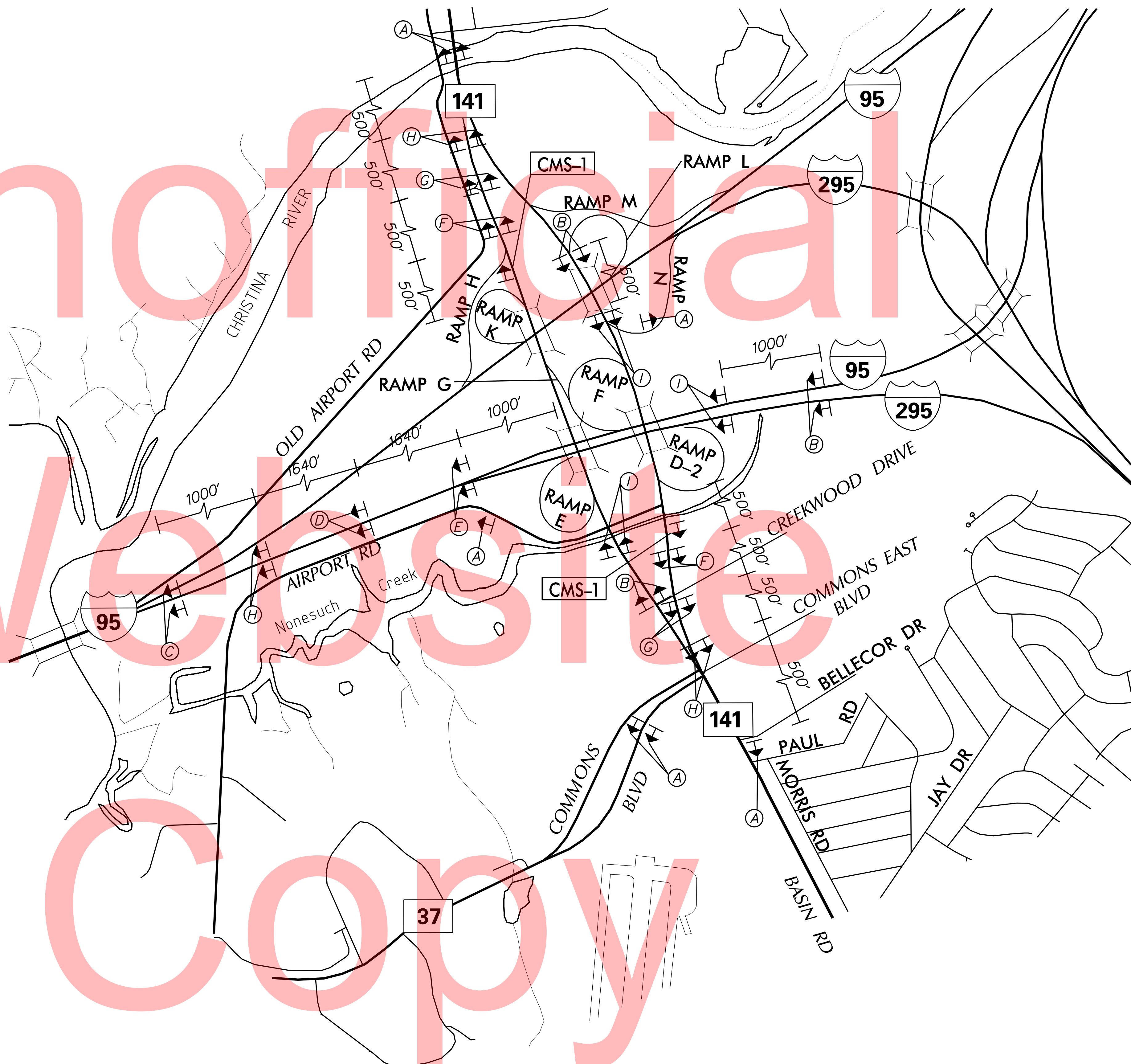
R2-10
36" x 48"
H



R2-11
36" x 48"
I

NOTES:

- SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. FINAL LOCATION OF ALL PERMANENT WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
- ALL WARNING SIGNS SHOWN ON THIS SHEET ARE TO BE DISPLAYED THROUGHOUT THE DURATION OF THE CONTRACT AND ARE TO BE PAID FOR UNDER ITEM 743024 - WARNING SIGNS.
- ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COMPLETELY COVERED AS NEEDED AND AS DIRECTED BY THE ENGINEER.
- THE CHANGEABLE MESSAGE SIGNS (CMS-1) SHALL BE USED TO AID IN WARNING AND DIRECTING TRAFFIC THROUGH THE WORK ZONE ALONG SR 141. MESSAGES ON CHANGEABLE MESSAGE SIGNS SHALL BE COORDINATED THROUGH THE DISTRICT SAFETY OFFICER.
- SIGN G SHALL BE BLACK ON RETROREFLECTIVE ORANGE PRISMATIC SHEETING, WITH THE EXCEPTION OF THE SPEED LIMIT SIGN WHICH SHALL BE BLACK ON WHITE PRISMATIC SHEETING.



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020-1-95-AND-SR-141\INTE\CADD\CS000_PHASE1.DGN [SHEET: CS-PWS01]



ADDENDUMS / REVISIONS

I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	JJM/JDS
COUNTY	CHECKED BY:	MAW
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN

CS-04
SHEET NO.
232
TOTAL SHTS.
481

SEQUENCE OF CONSTRUCTION

PHASE 1

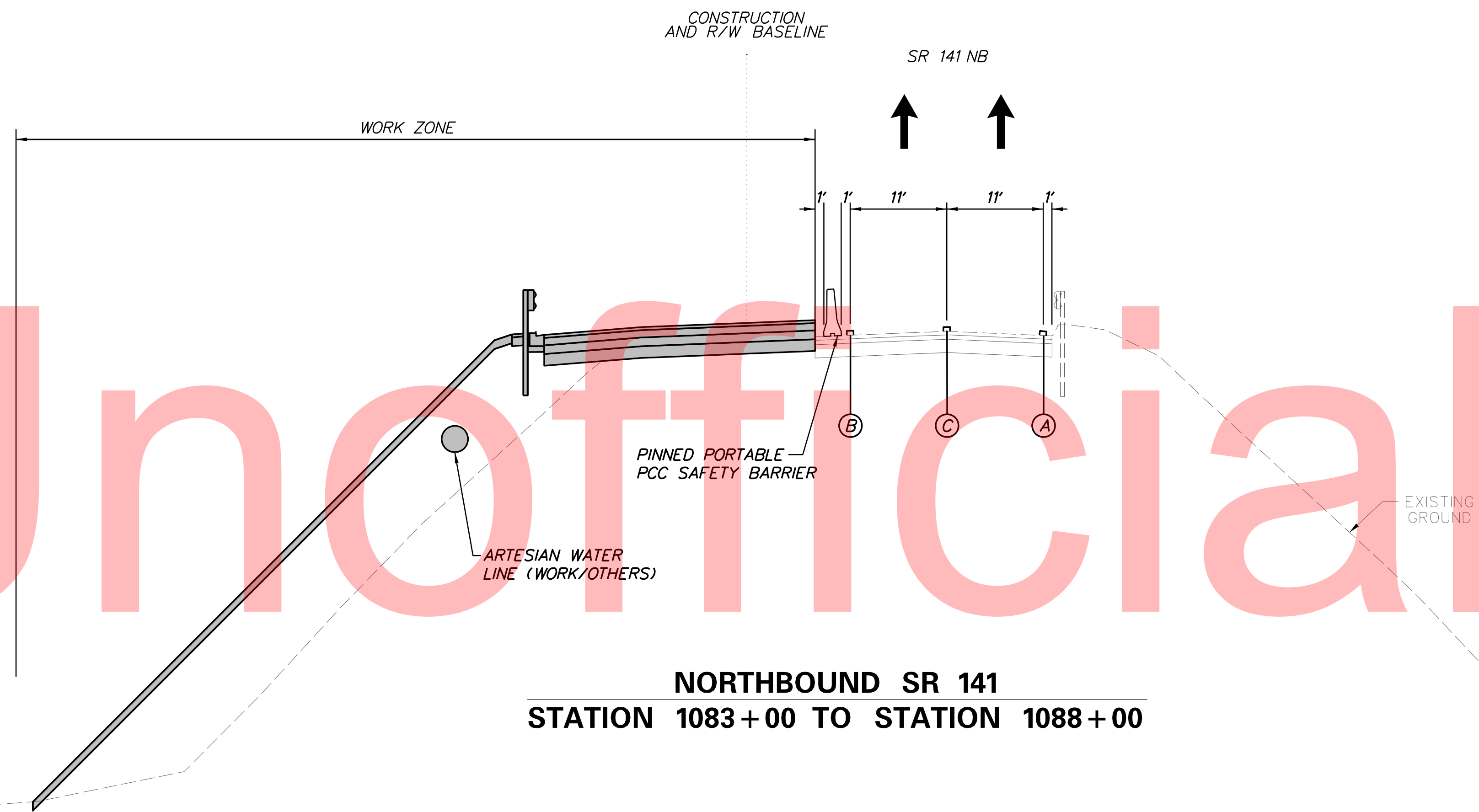
- 1 PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE THIRD CONSTRUCTION, PHASING, MOT, AND EROSION CONTROL SHEET.
- 2 INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AS SHOWN. ALSO, UNTIL THE RIPRAP OUTFALLS ARE IN PLACE, THE SUPER SILT FENCE MUST ENCLOSE THE WORK AREA. AFTER THE RIPRAP IS PLACED, TIE THE SUPER SILT FENCE INTO THE RIPRAP AS SHOWN.
- 3 THE CONTRACTOR SHALL CONSTRUCT THE ITMS GALVANIZED STEEL CONDUIT FROM STA 2029+50 +/- TO TYPE 7 JUNCTION WELL AT STATION 2032+50 +/- FOR RELOCATION OF TURNPIKE FIBER AT THE BEGINNING OF PHASE 1. SEE CONSTRUCTION DETAIL FOR CASING INSTALLATION AT EXISTING PIER FOUNDATION. CONTRACTOR SHALL CONTACT TMC (302)659-4600 PRIOR TO FIBER OUTAGE.
- 4 CLEAR AND GRUB AS NECESSARY AND STOCKPILE TOPSOIL.
- 5 INSTALL OVERHEAD SIGN STRUCTURE SO-1-130 ALONG NB SR 141.
- 6 PRIOR TO INSTALLING THE TEMPORARY PCC BARRIER ON SB SR 141, CONTRACTOR SHALL INSTALL NEW VERIZON CONDUITS ON NORTH AND SOUTH SIDE OF BRIDGE 678 ALONG SOUTHBOUND SR 141 FROM EXISTING MANHOLES ON EITHER SIDE OF THE BRIDGE UP TO THE PROPOSED LOCATION OF PHASE 1 TEMPORARY TRAFFIC SAFETY BARRIER. THE NEW CONDUITS WILL BE PLUGGED FOR FUTURE CONNECTION. TRAFFIC SHALL BE MAINTAINED ON SOUTHBOUND SR 141 BY USING A COMBINATION OF TA-23 AND TA-33. TEMPORARY PAVEMENT PATCHING WILL BE REQUIRED AFTER THE CONDUIT INSTALLATION IS COMPLETE.
- 7 DURING OFF-PEAK HOURS INSTALL STORM DRAIN PIPE AND CASING FOR ARTESIAN WATER LINE ACROSS RAMP F AT STATION 3014+75 AND 3014+85 RESPECTIVELY. CLOSE RAMP F DURING INSTALLATION AND PROVIDE DETOUR BASED ON DETOUR PLANS.
- 8 CONSTRUCT EMBANKMENT AND GRADE AREA ALONG NORTHBOUND SR 141 FROM STATION 1070+00 TO STATION 1074+90, FROM STATION 1078+10 TO STATION 1081+75 AND FROM STATION 1083+20 TO STATION 1090+50. INSTALL RELOCATED ARTESIAN WATER LINE ALONG THE EMBANKMENT.
- 9 PRIOR TO SHIFTING SR 141 TRAFFIC INSTALL THE TEMPORARY TRAFFIC SIGNAL AT THE NB SR 141 AND AIRPORT ROAD INTERSECTION SIGNALIZING TA-3, TA-5 AND TA-33, AS NECESSARY. REMOVE EXISTING STRIPING AND INSTALL TEMPORARY SIGNING AND STRIPING ON AIRPORT ROAD. SEE SIGNAL PLANS.
- 10 CLOSE RAMP D2 AND INSTALL DETOUR PER DETOUR PLANS. WHEN RAMP D2 IS CLOSED AND DETOURED, CLOSED PLAQUES SHALL BE INSTALLED TO COVER THE EXISTING EXIT 5B SIGNS. ALSO REPLACE EXISTING 5A SIGNS BY TEMPORARY EXIT 5 SIGNS. IN ADDITION, TEMPORARY OVERHEAD GUIDE SIGNS THAT INCLUDE NEWPORT AS A CONTROL CITY WILL REPLACE THE EXISTING OVERHEAD GUIDE SIGNS. REFER TO SHEET CS-189 FOR THE DETAILS AND LOCATIONS OF THESE SIGNS.
- 11 PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON I-95/I-295 AS SHOWN ON GIRDER REMOVAL TYPICAL SECTIONS AND DEMO PORTION OF EXISTING BR 675 AND BR 678 PER BRIDGE PLANS. REFER TO CS-69 THROUGH CS-128 FOR GIRDER REMOVAL, PIER DEMO AND GIRDER PLACEMENT PLANS. CONSTRUCT PORTION OF BR 675 AND BR 678 SUBSTRUCTURE AND SUPERSTRUCTURE PER BRIDGE PLANS. DETOUR NB I-95 AND I-295 TRAFFIC PER DETOUR PLANS. REMOVE ANY EXISTING SIGNS ATTACHED TO THE EXISTING BR 675 & BR 678.
- 12 REMOVE EXISTING STRIPING AS NECESSARY USING TA-35 ON I-95/I-295 AND PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. MILL AND FILL RUMBLE STRIPS. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 1 TRAFFIC CONTROL. REMOVE RECESSED PAVEMENT MARKERS (RPM'S) AND FILL WITH COLD PATCH.
- 13 REMOVE EXISTING STRIPING AS NECESSARY USING TA-35 ON NORTHBOUND AND SOUTHBOUND SR 141. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN.
- 14 PLACE TEMPORARY PAVEMENT STRIPING USING TA-17A, TA-35B AND TA-35D AS SHOWN UNDER PHASE 1 TRAFFIC CONTROL ON NORTHBOUND AND SOUTHBOUND SR 141.
- 15 REMOVE SIGN STRUCTURES/ REMOVE THE OVERHEAD SIGN STRUCTURES LOCATED AT STATION 1175+39 AND STATION 1185+89 UTILIZING TA-5A AND TA-35, AS NECESSARY.
- 16 DELAMARVA POWER GAS WILL TEMPORARILY RELOCATE THEIR DPG LINE ON THE NORTH AND SOUTH SIDE OF BRIDGE 675 DURING OFF-PEAK HOURS UTILIZING TA-33 AS APPLICABLE.

CONTINUED ON SHEET CS-06

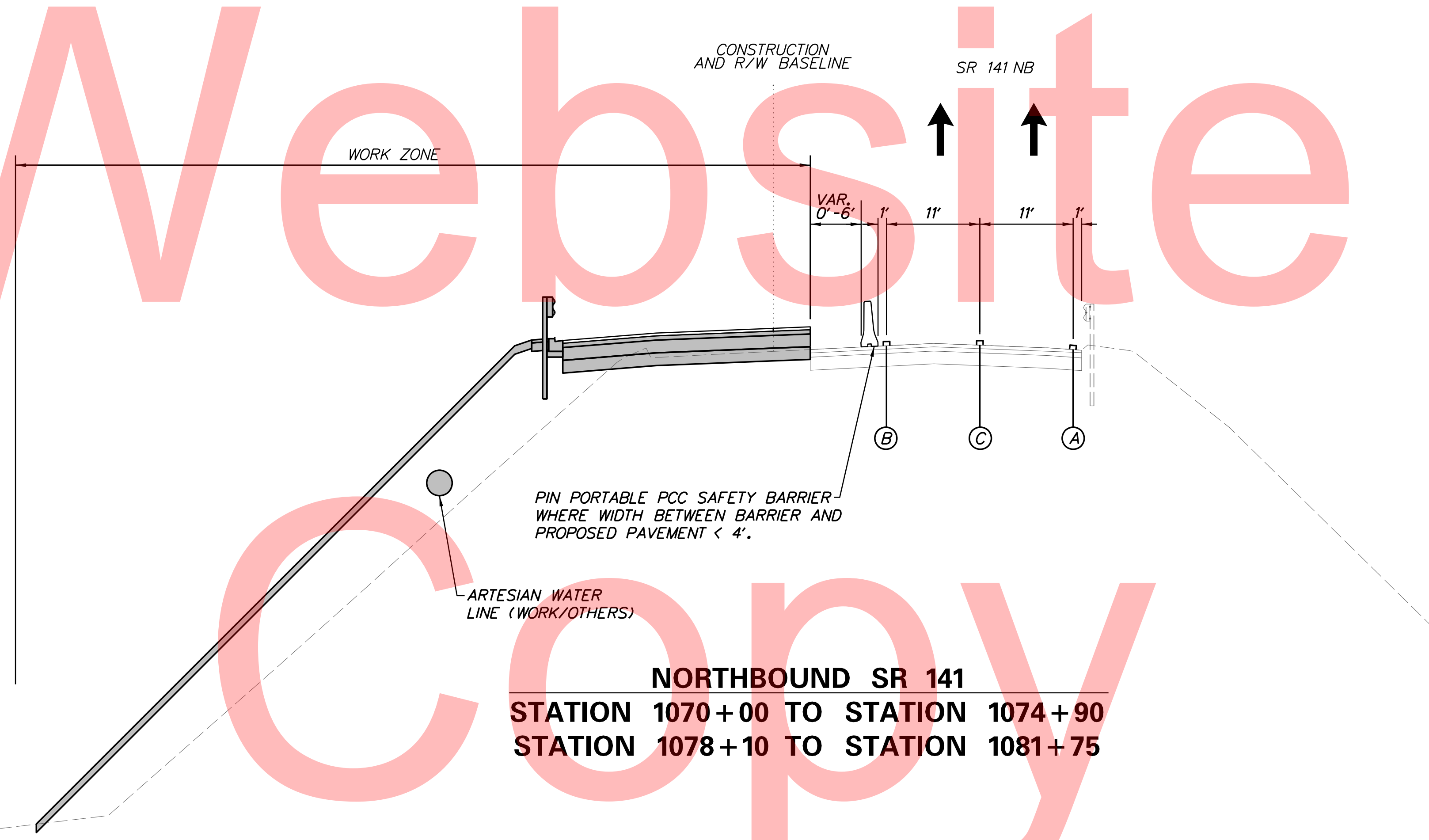
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- 4" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 6" WHITE TEMPORARY PAVEMENT STRIPING
- 6" YELLOW TEMPORARY PAVEMENT STRIPING
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- 16" WHITE TEMPORARY PAVEMENT STRIPING
- WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 8" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP YELLOW TEMPORARY STRIPING



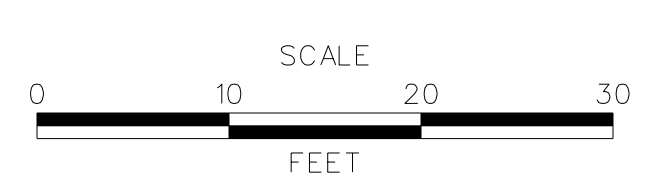
NORTHBOUND SR 141
STATION 1083+00 TO STATION 1088+00



NORTHBOUND SR 141
STATION 1070+00 TO STATION 1074+90
STATION 1078+10 TO STATION 1081+75

PLOTTED BY: MONITES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141\INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-TS01]

ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

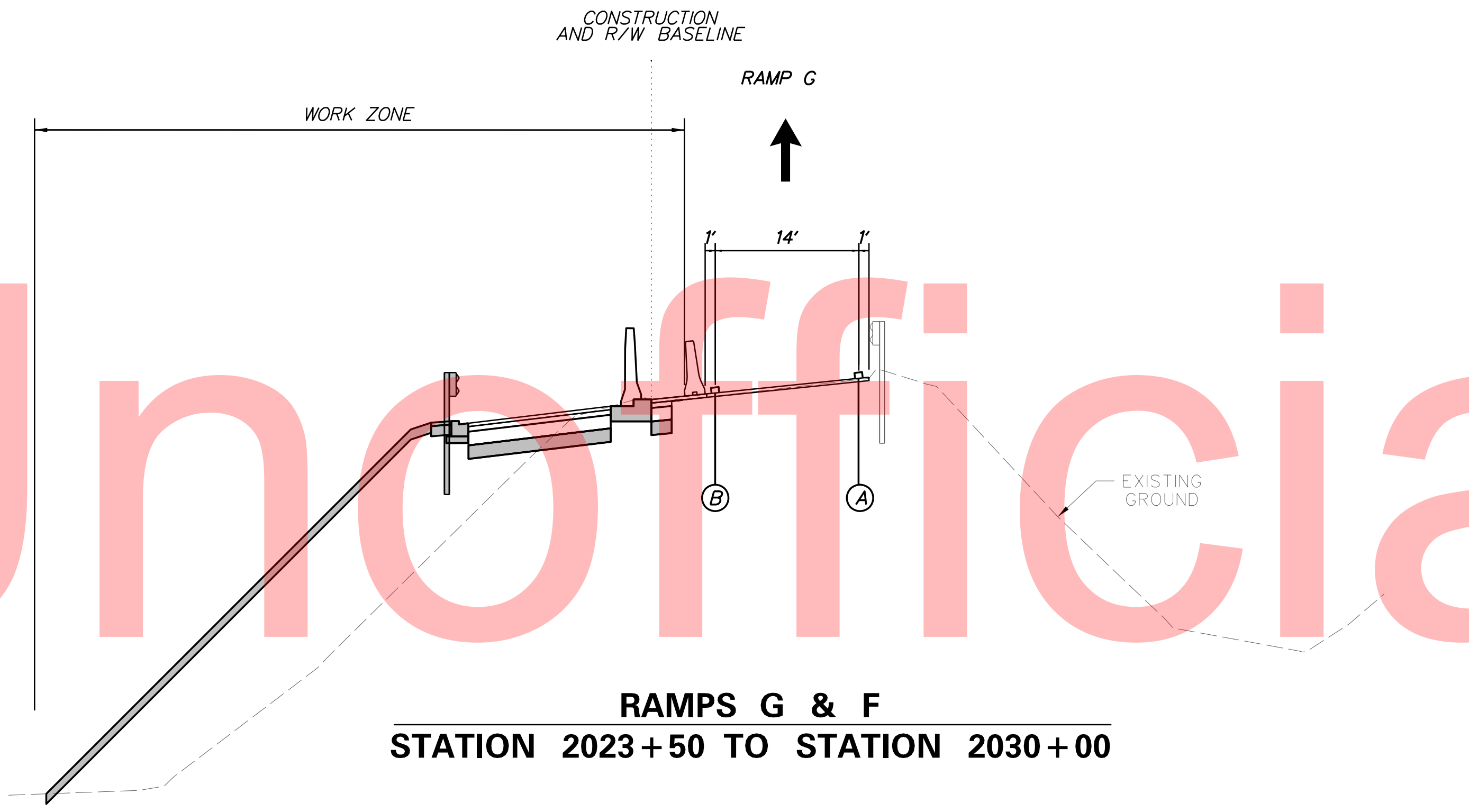
CS-05
SHEET NO.
233
TOTAL SHTS.
481

SEQUENCE OF CONSTRUCTION CONTINUED

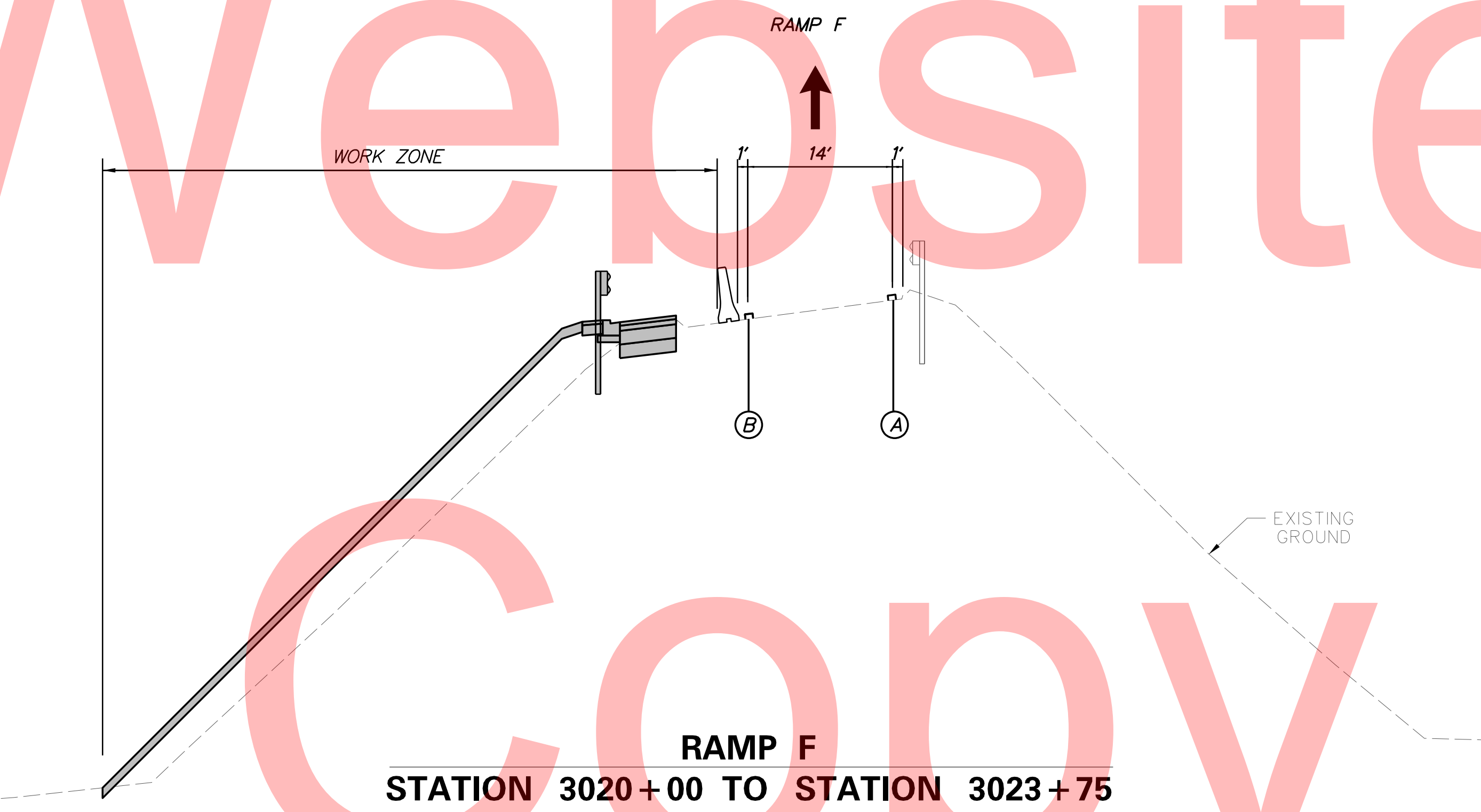
PHASE 1

- 17 CONSTRUCT ITMS CONDUITS, FIELD DEVICES, ITMS JUNCTION WELLS, LIGHTING CONDUITS, LIGHTING JUNCTION WELLS AND POLE BASES AS SHOWN ON THE SIGNING, STRIPING AND CONDUIT PLANS AND THE LIGHTING PLANS WITHIN THE PHASE 1 LIMITS OF CONSTRUCTION. ALSO INSTALL ITMS CONDUIT RUNS *2, *4, AND *54 AND LIGHTING CONDUIT RUNS *30, *34, AND *38.
- 18 CONSTRUCT PORTION OF ITMS CONDUIT RUNS *14, *30, AND *40 AND LIGHTING CONDUIT RUNS *5, *15, AND *26 (OPEN CUT).
- 19 INSTALL STORM DRAINAGE, CURB, GUARDRAIL AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE ON NORTHBOUND SR 141 FROM STATION 1070+00 TO STATION 1074+90, FROM STATION 1078+10 TO STATION 1081+75 AND FROM STA 1083+20 TO STA 1090+50. USE TA-43 TO CONSTRUCT STORM DRAINAGE AT STA. 1083+15 TO OUTFALL UNDER RAMP F.
- 20 GRADE, CONSTRUCT STORM DRAINAGE, CURB, GUARDRAIL AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE ON SOUTHBOUND SR 141 FROM STA. 1169+25 TO STA. 1175+45 AND FROM STATION 1178+49 TO 1185+50.
- 21 CONTRACTOR SHALL INSTALL NEW VERIZON CONDUITS AND WILL PLACE THE CONDUITS UNDER THE NEW BRIDGE SPAN. CONNECTIONS TO THE PREVIOUSLY INSTALLED CONDUITS ON NORTH AND SOUTH OF BRIDGE 678 SHALL BE MADE. VERIZON WILL PULL AND SPLICE NEW CABLES BETWEEN EXISTING MANHOLES UTILIZING THE NEW CONDUITS. THIS WILL INVOLVE BOTH DAY & NIGHT WORK. ONCE SPLICING AND TESTING IS COMPLETED, VERIZON WILL REMOVE EXISTING CABLES.
- 22 GRADE, INSTALL STORM DRAINAGE, CURB, GUARDRAIL, AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE ON RAMP D2 FROM STA 3512+50 TO STA 3524+60.
- 23 GRADE, CONSTRUCT RETAINING WALL 1, STORM DRAINAGE, PCC BARRIER AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE FROM STA 2031+50 TO STA 2044+00.
- 24 CLOSE RAMP G AND INSTALL DETOUR PER DETOUR PLANS FOR PLACEMENT OF TEMPORARY BARRIER. CONSTRUCT STORM DRAINAGE, PCC BARRIER FOOTER AND PAVEMENT SECTION UP TO TOP OF GABC COURSE FROM STA 3021+50 TO STA 3030+00.
- 25 RELOCATE BY OTHERS DPG LINE TO ITS PERMANENT LOCATION.
- 26 CONSTRUCT CANTILEVER AND CANTILEVER SIGN STRUCTURE FOUNDATIONS FOR BOTH SC 1-133 AND SC 1-130.
- 27 USING TA-35 REMOVE/RELOCATE PORTABLE PCC BARRIER AND PLASTIC DRUMS AS NEEDED PRIOR TO SWITCH TO NEXT PHASE.

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS



RAMPS G & F
STATION 2023+50 TO STATION 2030+00



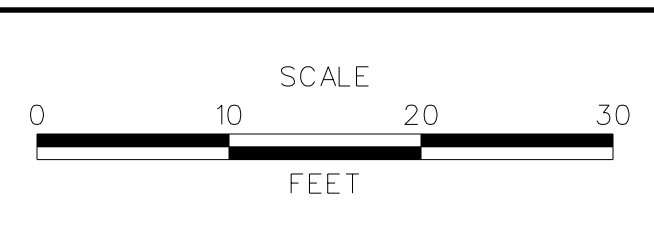
RAMP F
STATION 3020+00 TO STATION 3023+75

PHASE 1

TEMPORARY PAVEMENT MARKINGS QUANTITIES		
SYMBOL	ITEM	QUANTITY
(A)	4" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	11390 LF
(B)	4" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	8060 LF
(C)	4" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	1560 LF
(D)	6" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	8720 LF
(E)	6" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748020)	5735 LF
(F)	6" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	4460 LF
(G)	4" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	190 LF
(H)	4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	2320 LF
(I)	16" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	90 LF
(J)	WHITE TEMPORARY PAVEMENT STRIPING SYMBOL (ITEM 748026)	290 SF
(L)	8" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	1300 LF

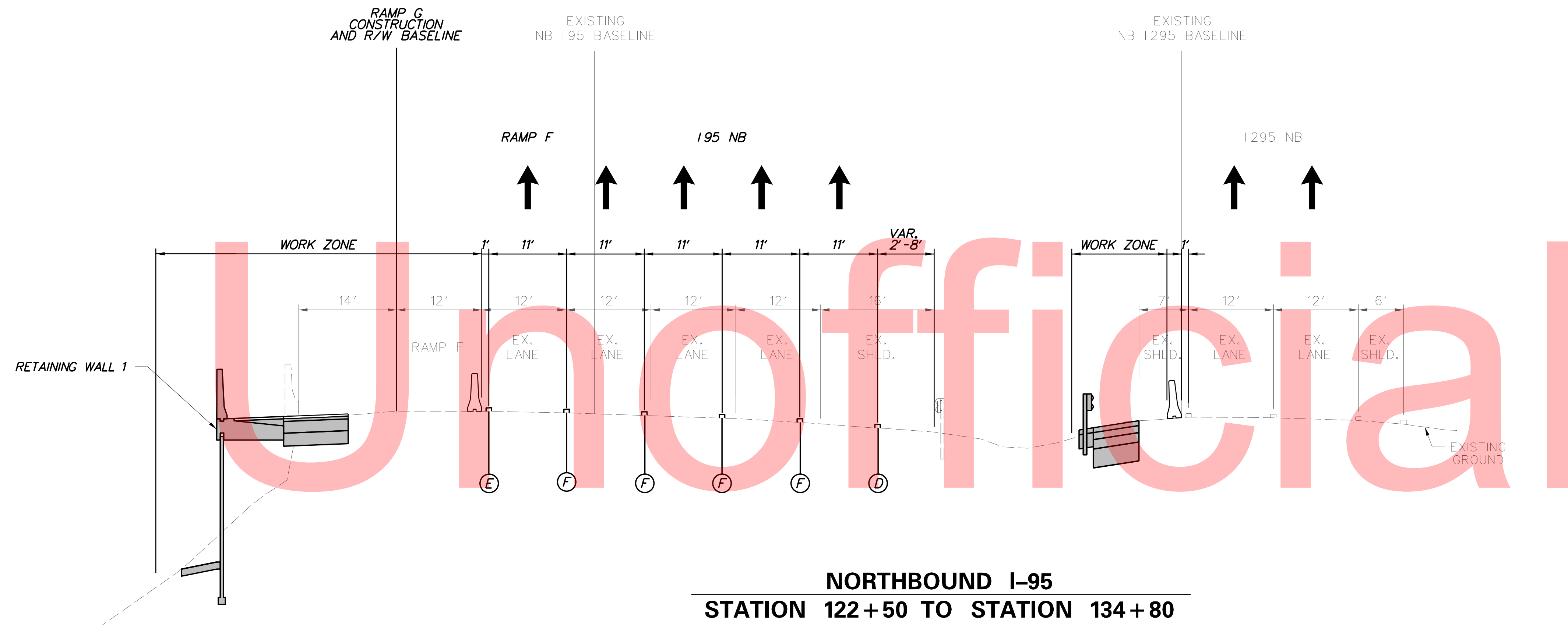
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ADDENDUMS / REVISIONS

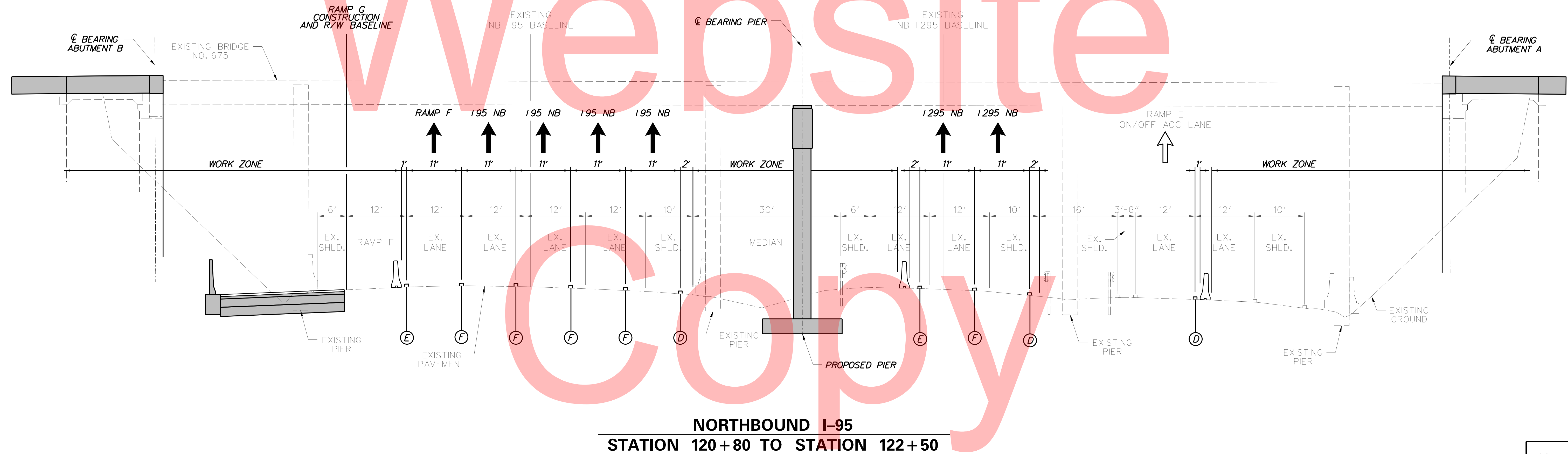


CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
PHASE 1**



**NORTHBOUND I-95
STATION 122+50 TO STATION 134+80**



**NORTHBOUND I-95
STATION 120+80 TO STATION 122+50**

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS000_PHASE1.DGN [SHEET: CS-TS03]



ADDENDUMS / REVISIONS	



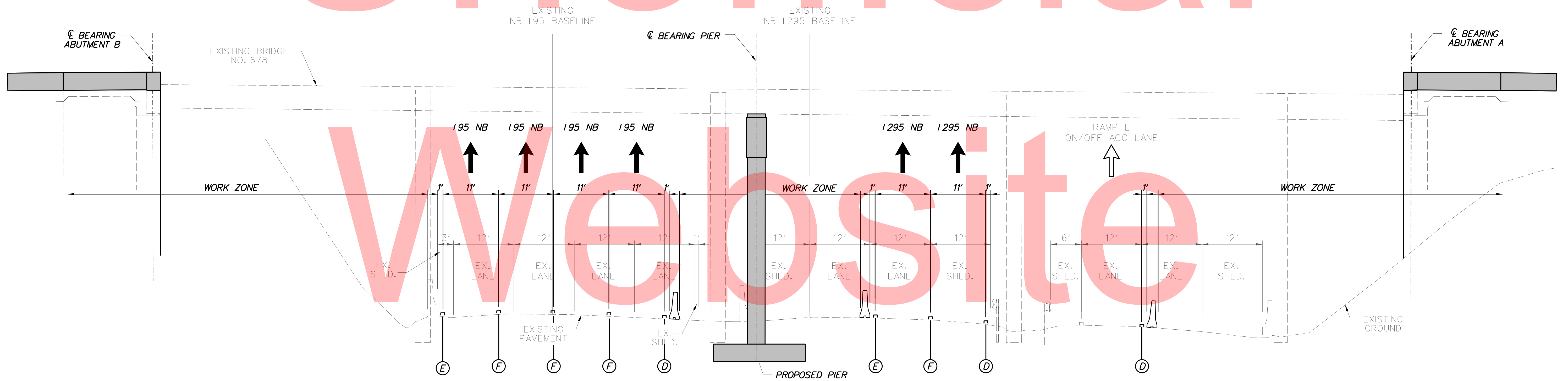
**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-07
SHEET NO.
235
TOTAL SHTS.
481

Unofficial



NB I-95, I-295 & ON-OFF ACCELERATION LANES
STATION 114+10 TO STATION 115+10

Copy

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-TS04]



ADDENDUMS / REVISIONS	

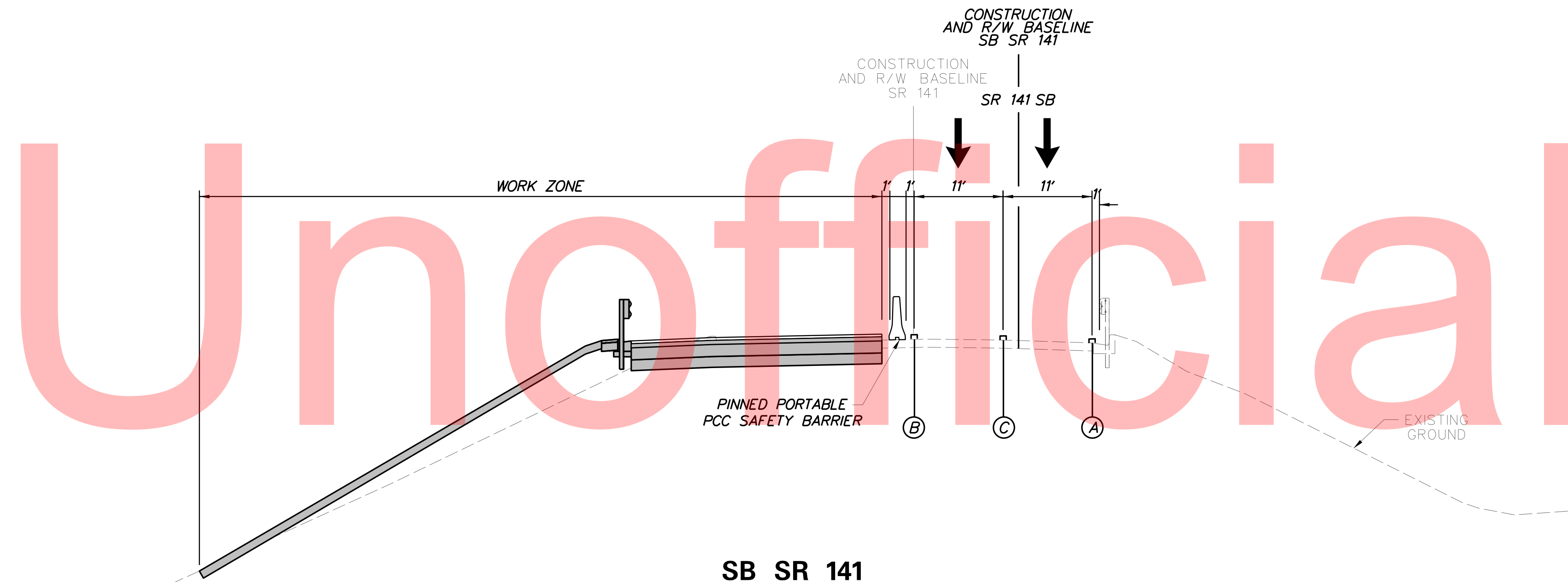


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

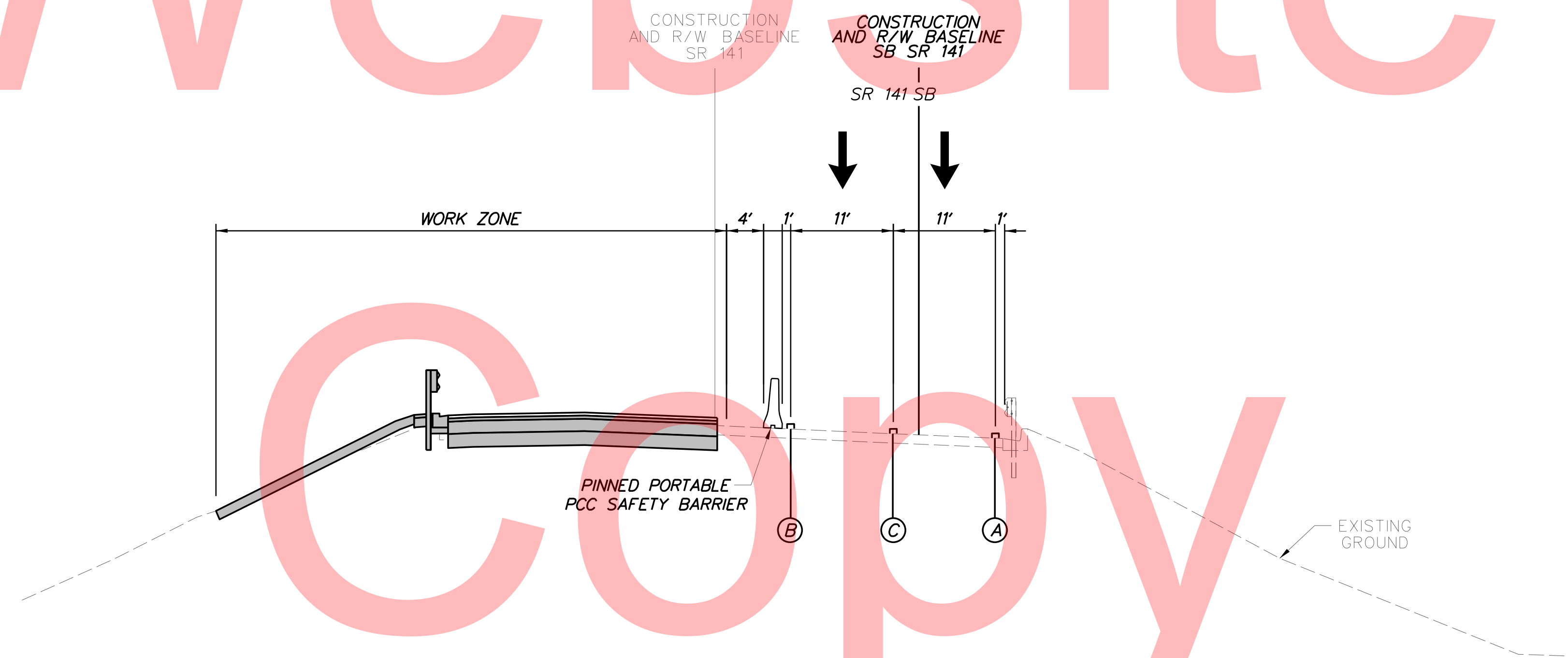
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-08
SHEET NO.
236
TOTAL SHTS.
481



SB SR 141
SB SR 141 STATION 1178+49 TO STATION 1185+50

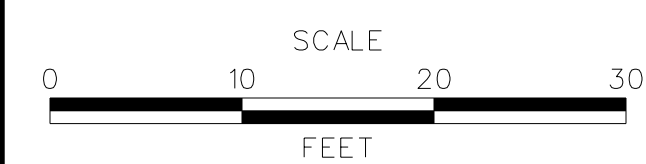


SB SR 141
SB SR 141 STATION 1169+25 TO STATION 1175+45

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-TS05]



ADDENDUMS / REVISIONS

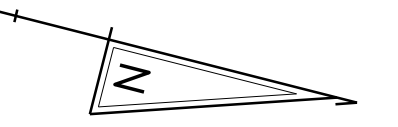


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

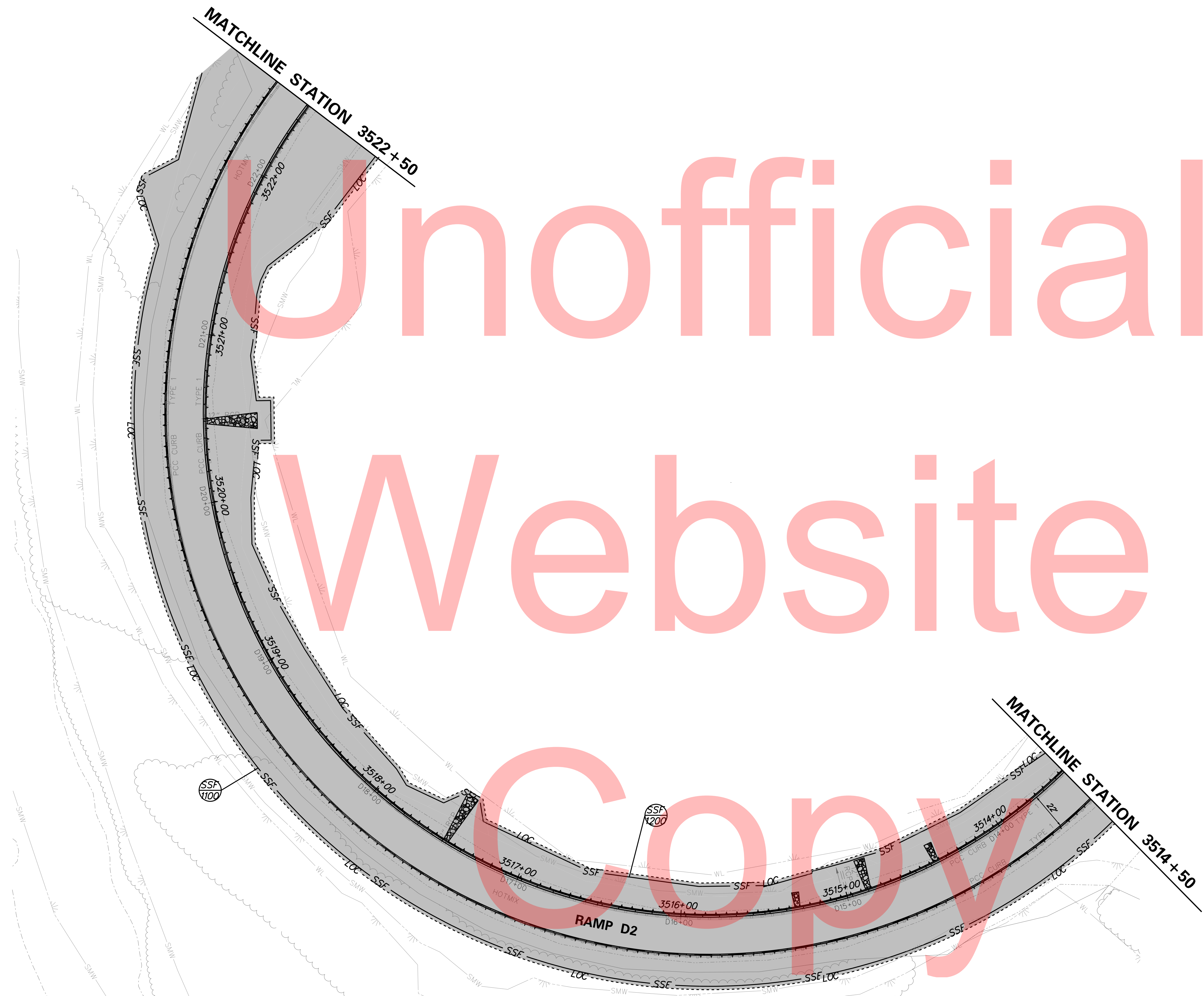
CS-09
SHEET NO.
237
TOTAL SHTS.
481



MATCHLINE STATION 3522+50

MATCHLINE STATION 3514+50

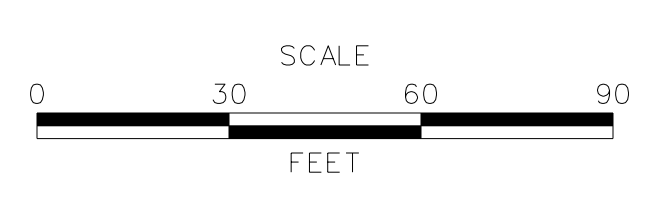
Unofficial
Website
Copy



DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_01]

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

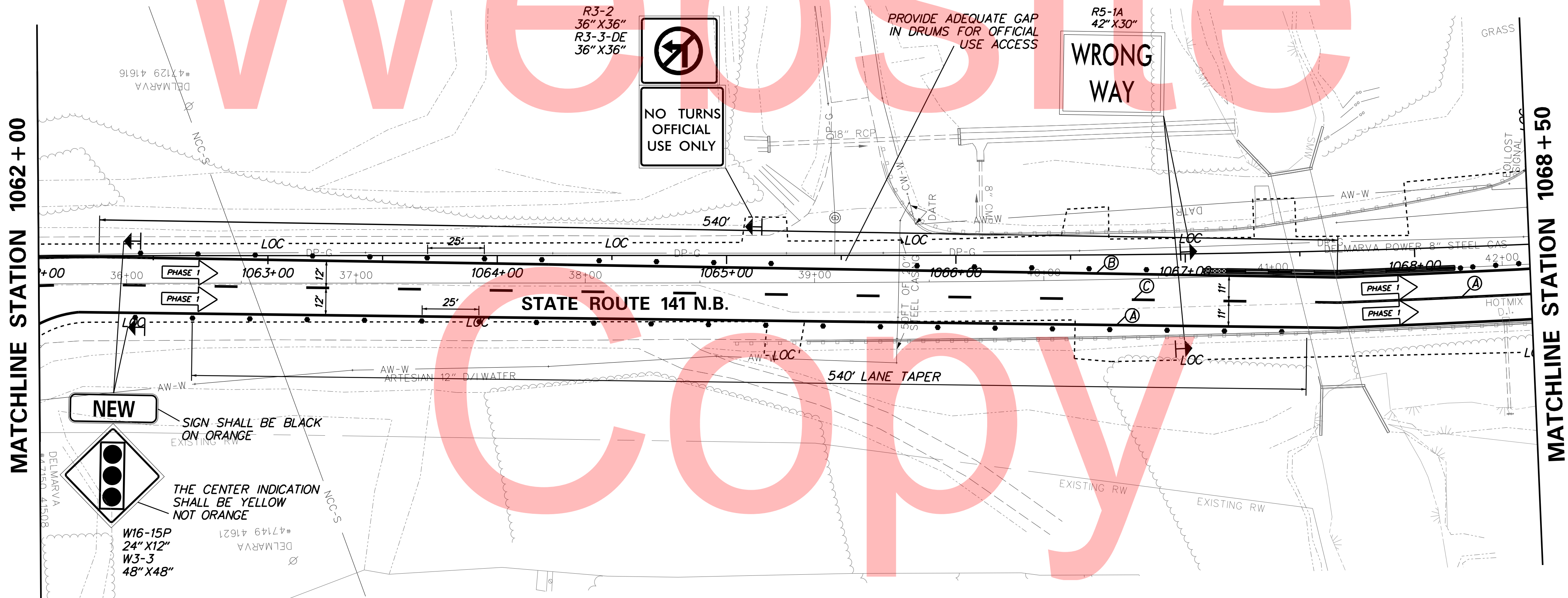
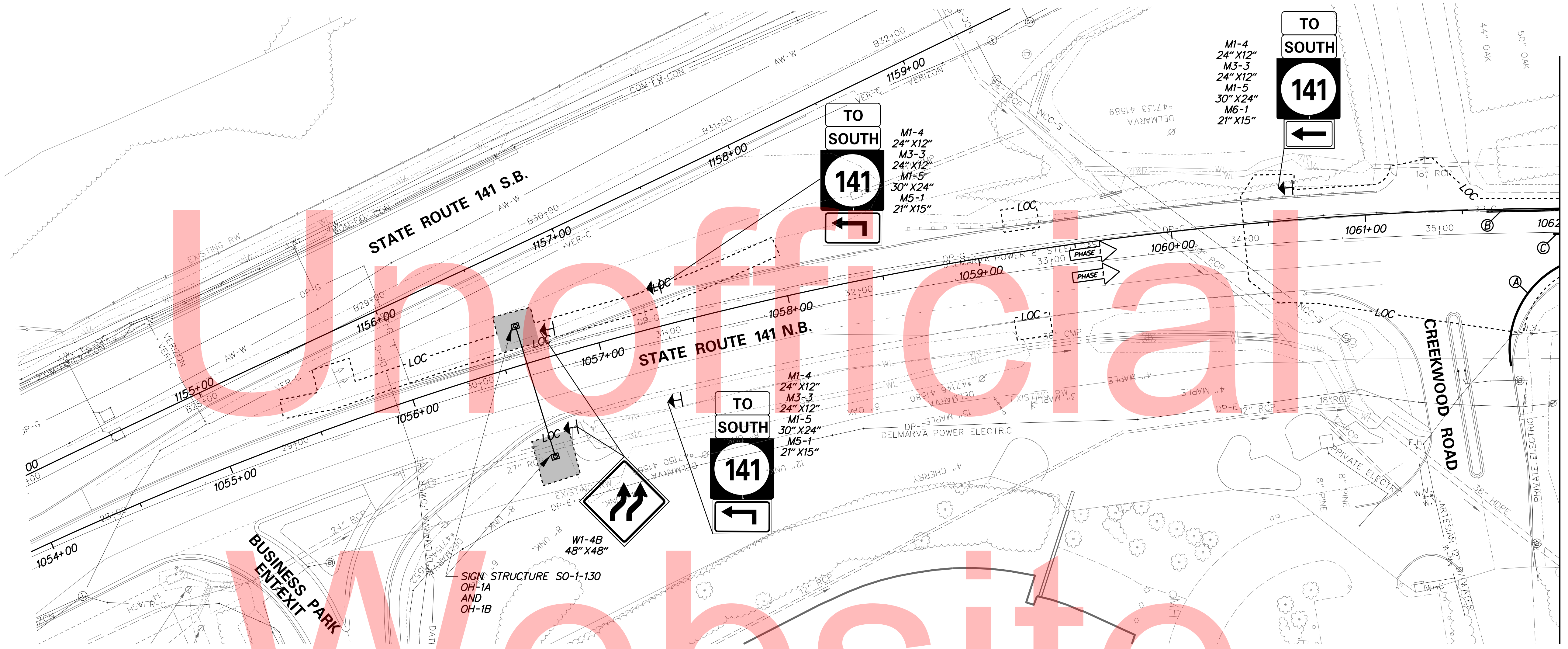
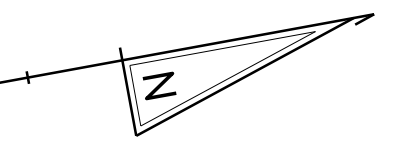


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

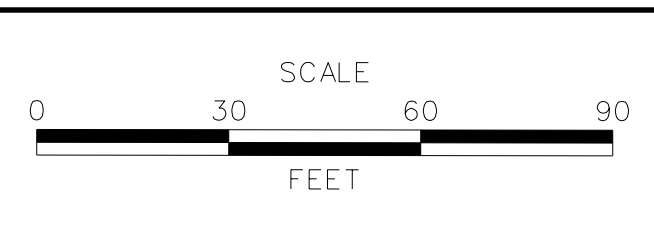
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-10
SHEET NO.
238
TOTAL SHTS.
481



PLOTTED BY: MONTE DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_02]

ADDENDUMS / REVISIONS	

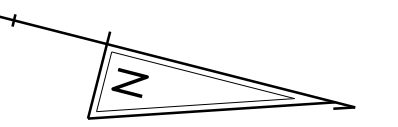


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KNV/JDS
		CHECKED BY:	BPH

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-11	SHEET NO.	239
	TOTAL SHTS.	481



Unofficial

Working Site

Copy

MATCHLINE STATION A58+00

MATCHLINE STATION 1068+50

MATCHLINE STATION 3522+50

MATCHLINE STATION 1075+20

WRONG WAY
R5-1A
42" X 30"

DO NOT ENTER
R11-2
36" X 36"

DO NOT ENTER
R11-2
36" X 36"

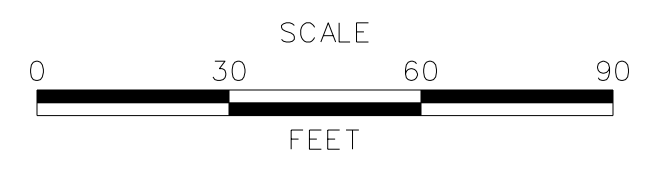
R3-2
36" X 36"

EXIT 3A
NORTH
95
Wilmington
Philadelphia
NEXT LEFT
SPECIAL
96" X 108"

PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTER\CAD\CADD\CS00_PHASE1.DGN [SHEET: CS-01_04]



ADDENDUMS / REVISIONS	

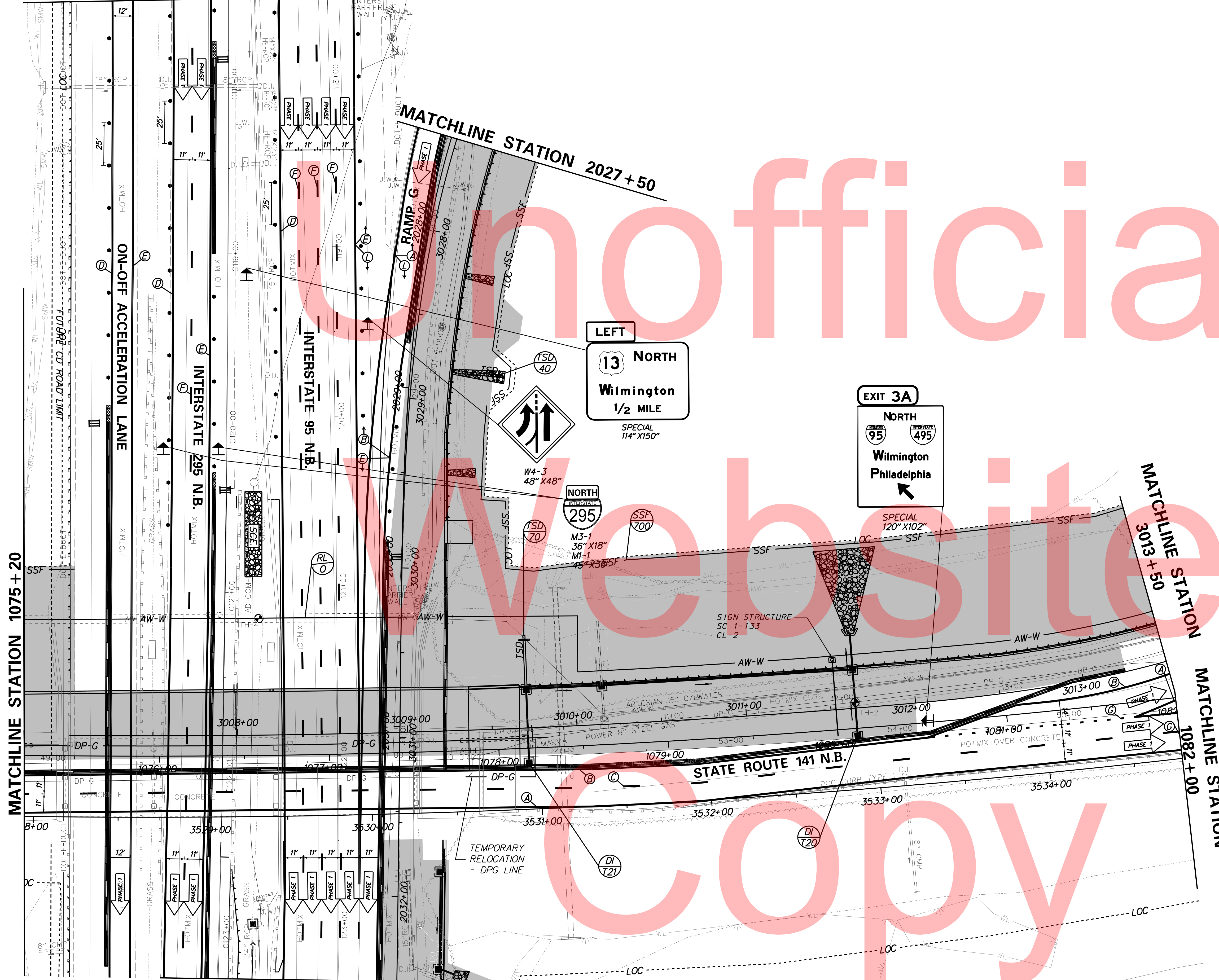
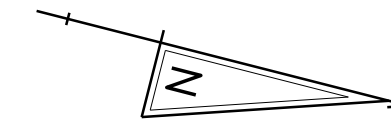


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-12
SHEET NO.
240
TOTAL SHTS.
481

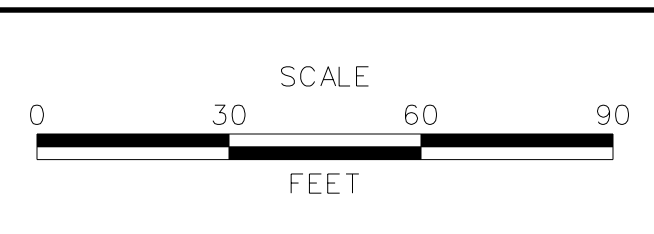


MATCHLINE STATION C123 + 28

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_05]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

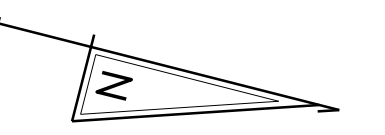


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KNV/JDS
		CHECKED BY:	BPH

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-13	
SHEET NO.	241
TOTAL SHTS.	481

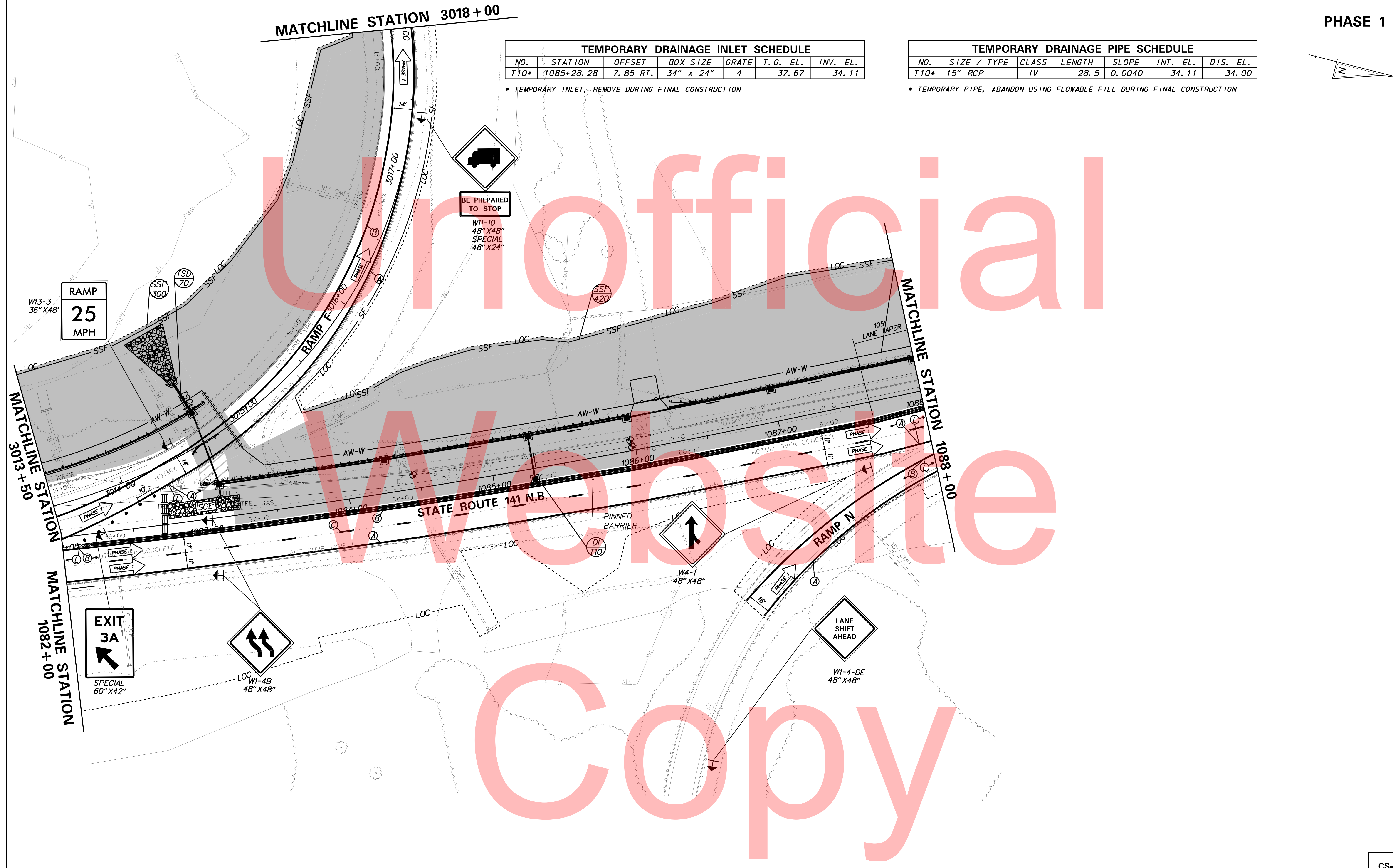


TEMPORARY DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
T10*	1085+28.28	7.85 RT.	34" x 24"	4	37.67	34.11

* TEMPORARY INLET, REMOVE DURING FINAL CONSTRUCTION

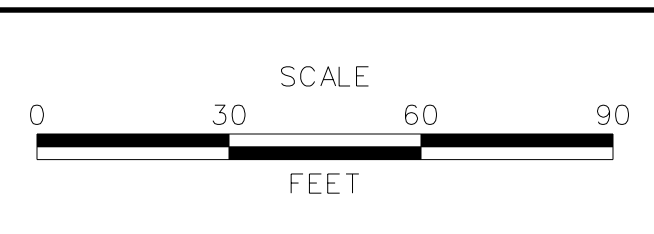
TEMPORARY DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
T10*	15" RCP	IV	28.5	0.0040	34.11	34.00

* TEMPORARY PIPE, ABANDON USING FLOWABLE FILL DURING FINAL CONSTRUCTION



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_06]

ADDENDUMS / REVISIONS

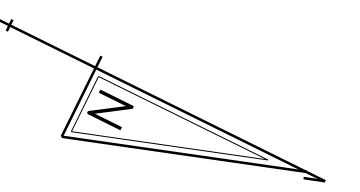


**I-95 AND SR 141 INTERCHANGE,
 RAMPS G & F IMPROVEMENTS**

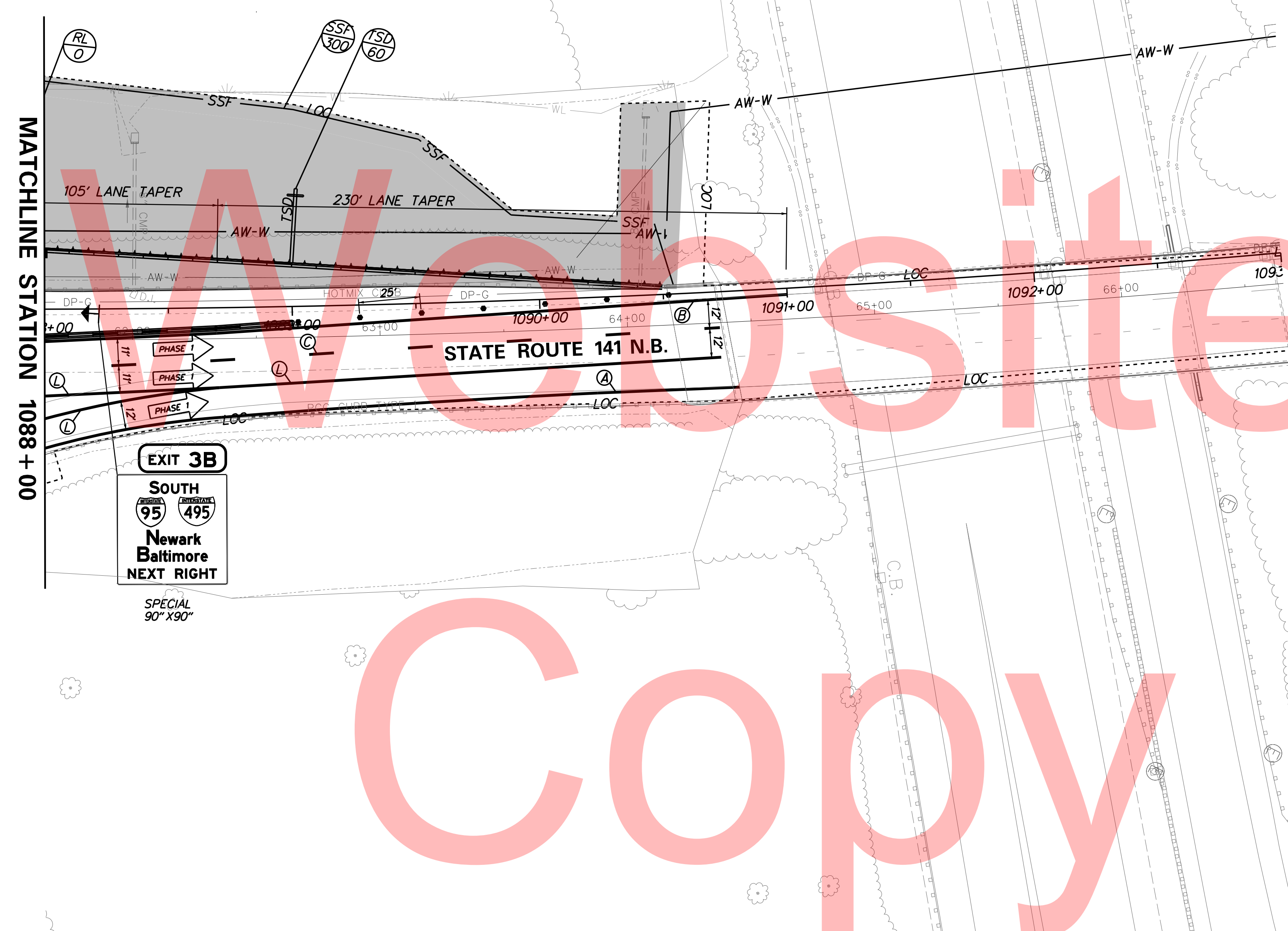
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - PHASE 1**

CS-14
SHEET NO.
242
TOTAL SHTS.
481



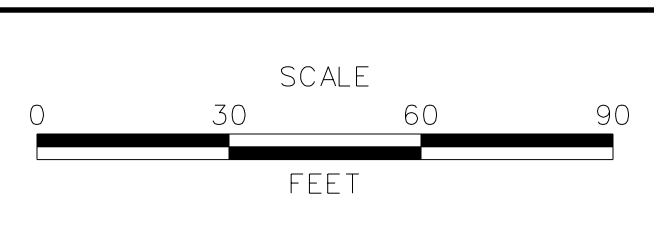
Unofficial



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_07]

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ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

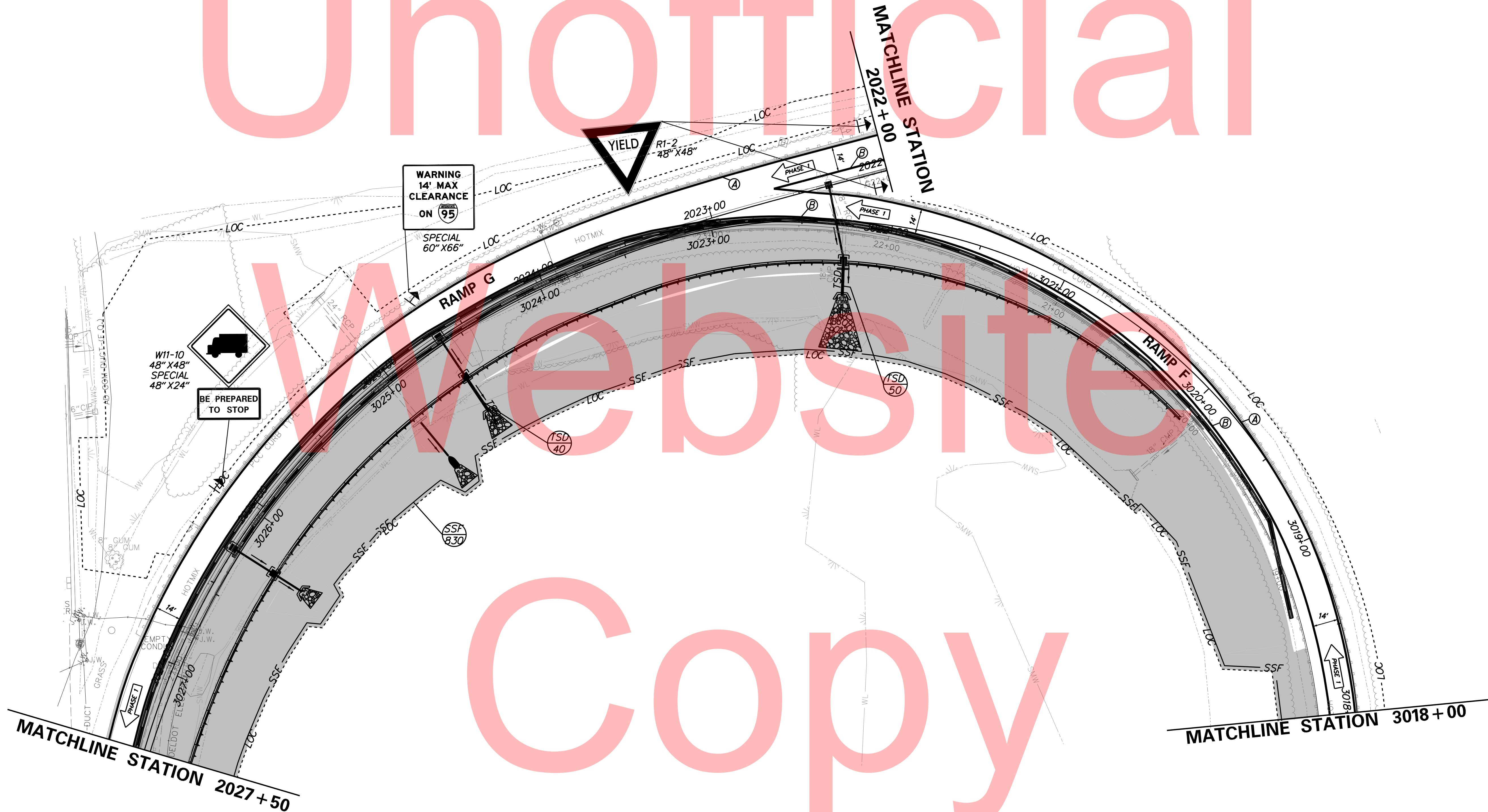
CS-15
SHEET NO.
243
TOTAL SHTS.
481



Unofficial

Website

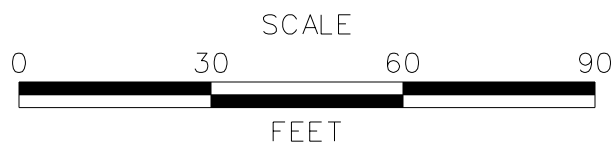
Copy



DATE: 2/27/2015
PLOTTED BY: MONTES
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN
SHEET: CS-16_08 1



ADDENDUMS / REVISIONS	

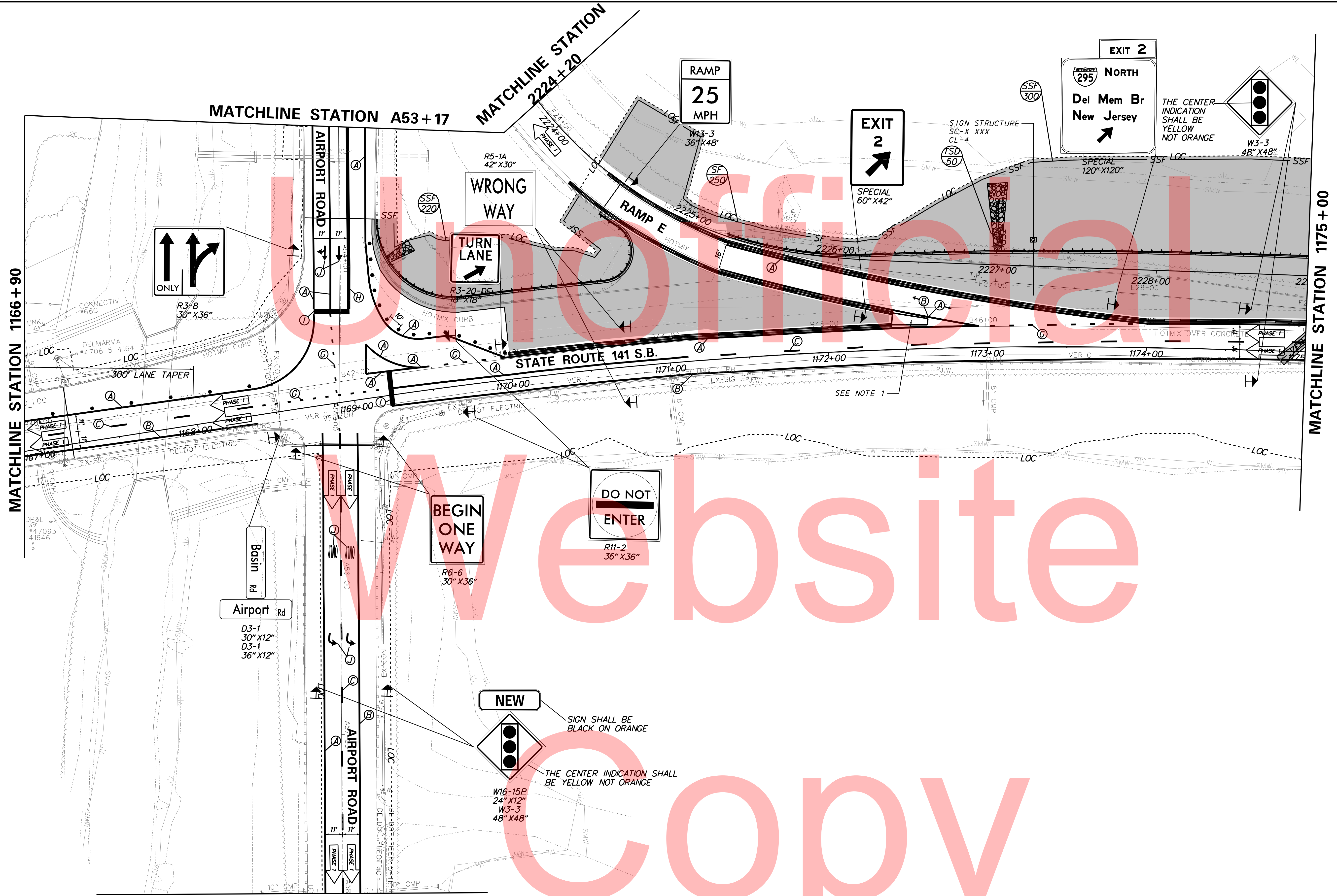
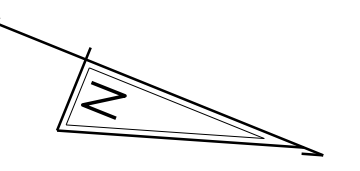


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

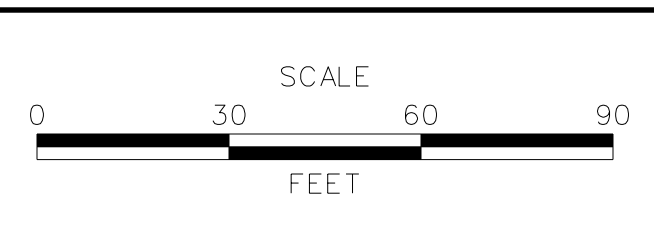
CS-16
SHEET NO.
244
TOTAL SHTS.
481



PLOTTED BY: MONTE DATE: 2/27/2015
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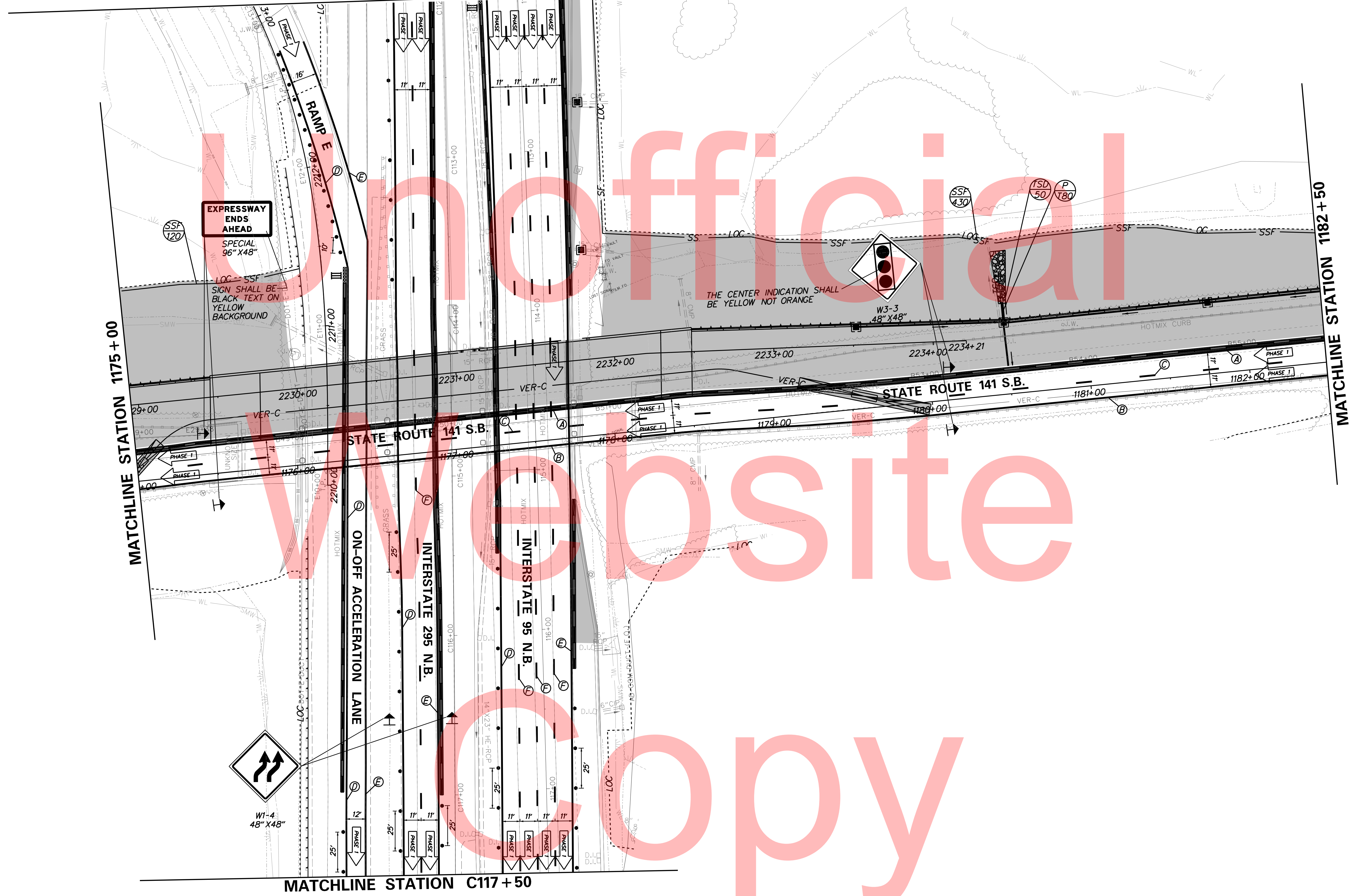
1. IMPACT ATTENUATOR TO BE PAID UNDER ITEM 720612-IMPACT ATTENUATOR, SPECIAL. THIS CONTRACT REQUIRES AN IMPACT ATTENUATOR, SPECIAL AT THIS LOCATION. TWO ADDITIONAL ATTENUATORS ARE INCLUDED ON PAY ITEM 720612 AS REPLACEMENTS IN THE EVENT THE INSTALLED ATTENUATOR IS DAMAGED. UNUSED IMPACT ATTENUATORS REMAINING AT THE END OF THE CONTRACT SHALL BE DELIVERED BY THE CONTRACTOR TO DELDOT'S NORTH DISTRICT YARD.

ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
NEW CASTLE	CHECKED BY:	BPH

MATCHLINE STATION C112+00



EXPRESSWAY ENDS AHEAD
SPECIAL 96" X 48"

SIGN SHALL BE BLACK TEXT ON YELLOW BACKGROUND

THE CENTER INDICATION SHALL BE YELLOW NOT ORANGE

W3-3 48" X 48"

W1-4 48" X 48"

MATCHLINE STATION C117+50

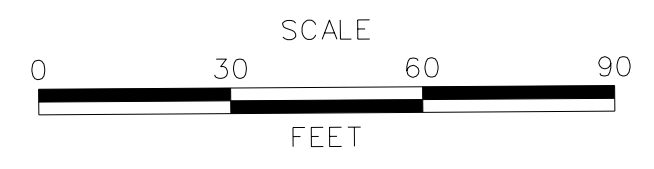
MATCHLINE STATION 1175+00

MATCHLINE STATION 1182+50

DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-01-10]



ADDENDUMS / REVISIONS

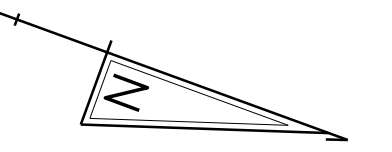


I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

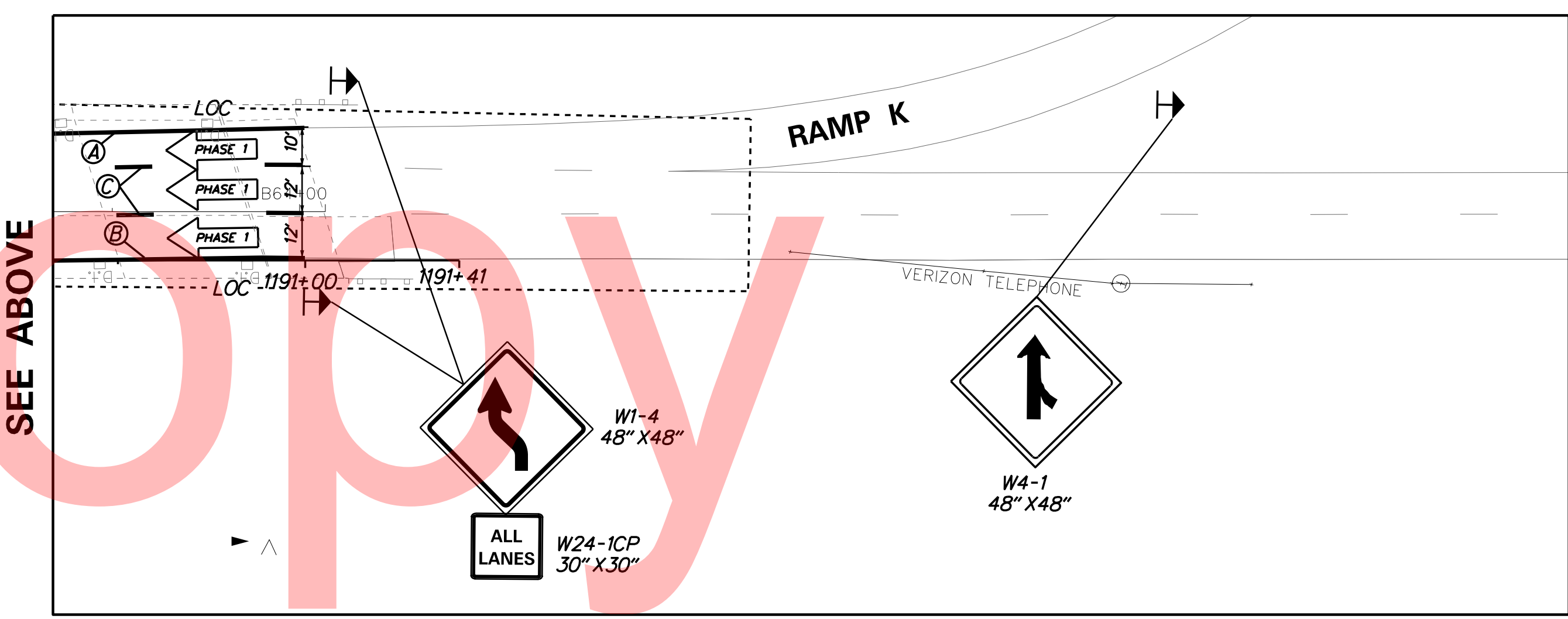
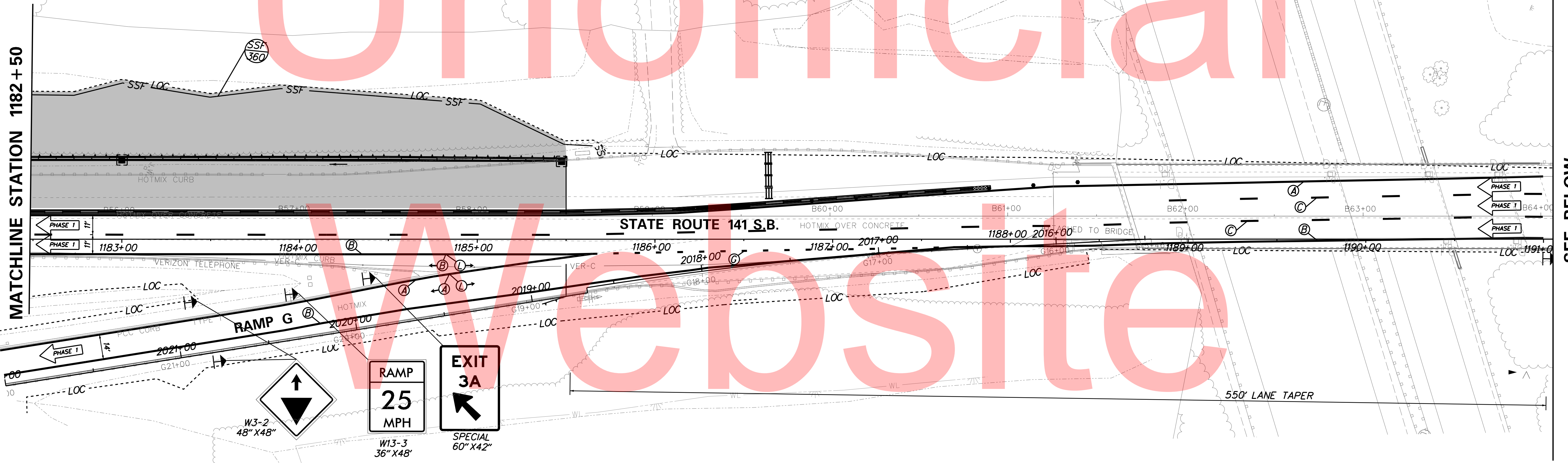
CS-18
SHEET NO.
246
TOTAL SHTS.
481



Unofficial

Website

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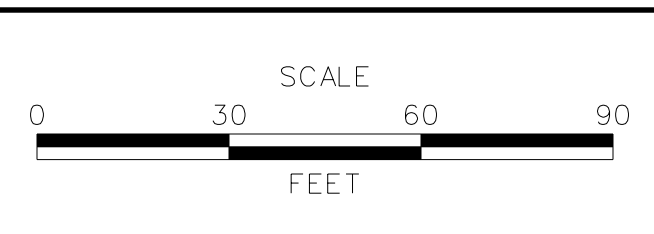


SEE BELOW

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTER\CAD\CADD\CS00_PHASE1.DGN [SHEET: CS-01.11]



ADDENDUMS / REVISIONS	

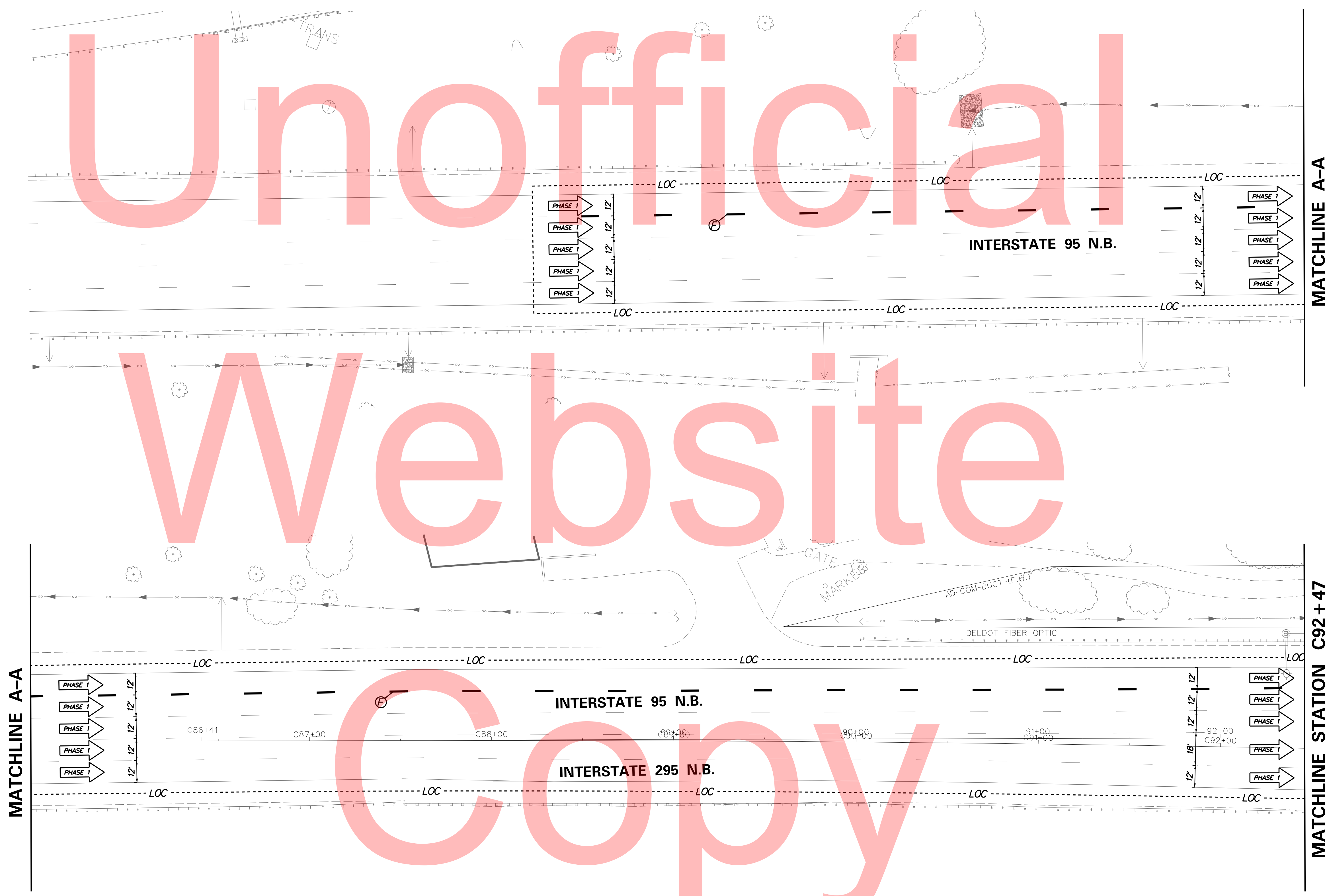
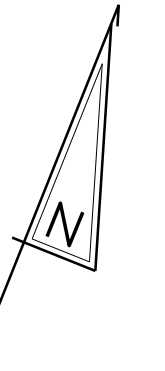


I-95 AND SR 141 INTERCHANGE,
RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-19
SHEET NO.
247
TOTAL SHTS.
481



Unofficial

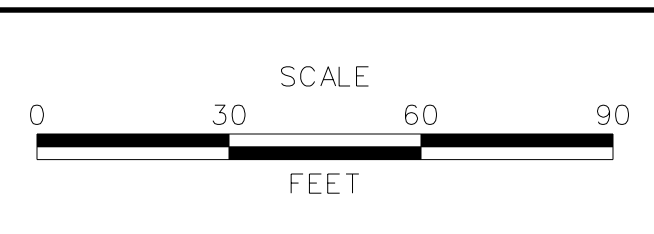
Website

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ADDENDUMS / REVISIONS	

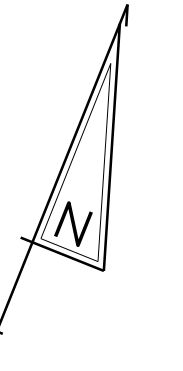


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-20
SHEET NO.
248
TOTAL SHTS.
481



Unofficial

Website

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PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_14]



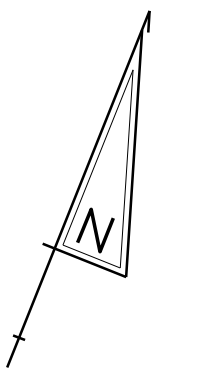
ADDENDUMS / REVISIONS	

I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

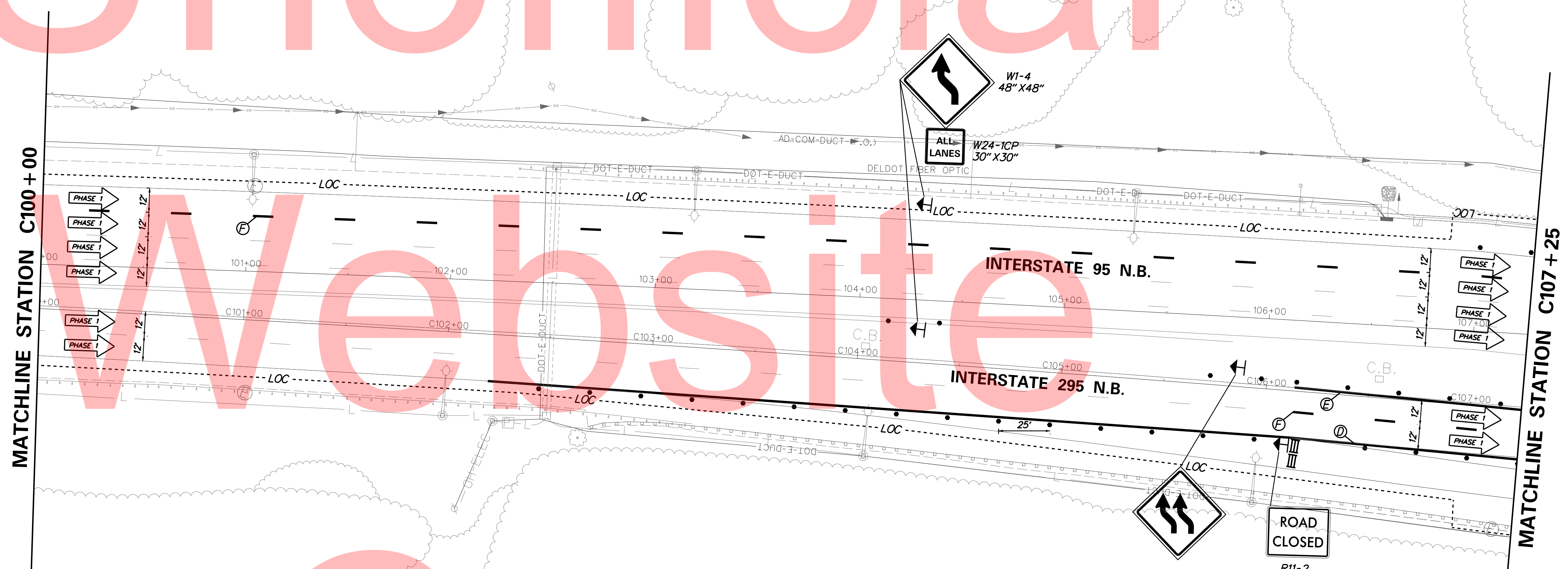
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	
COUNTY	CHECKED BY:	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

CS-21
SHEET NO.
249
TOTAL SHTS.
481



Unofficial



MATCHLINE STATION C100+00

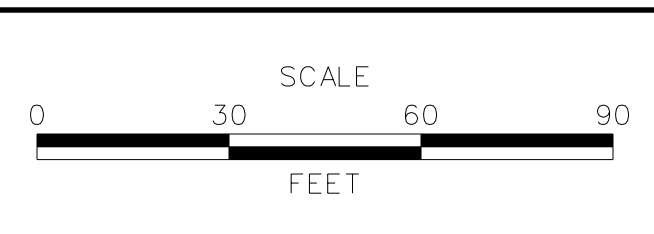
MATCHLINE STATION C107+25

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01-15]

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ADDENDUMS / REVISIONS	

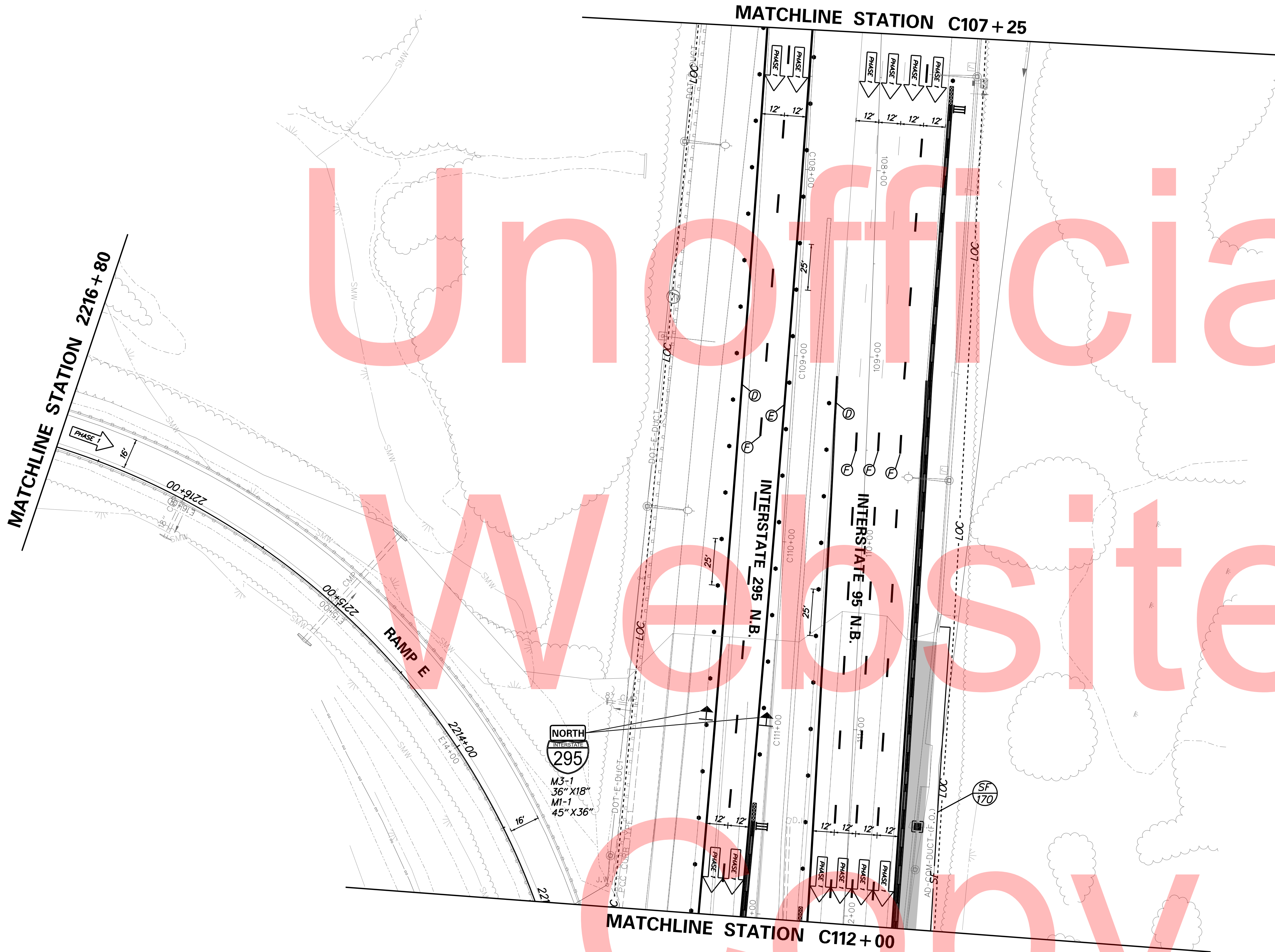
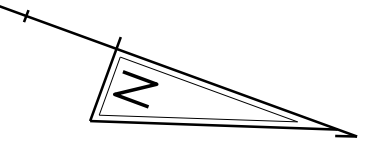


I-95 AND SR 141 INTERCHANGE,
RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-22
SHEET NO.
250
TOTAL SHTS.
481

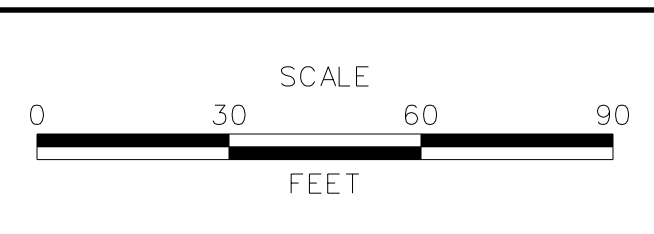


Unofficial
Website
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PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1.DGN [SHEET: CS-01-16]



ADDENDUMS / REVISIONS	

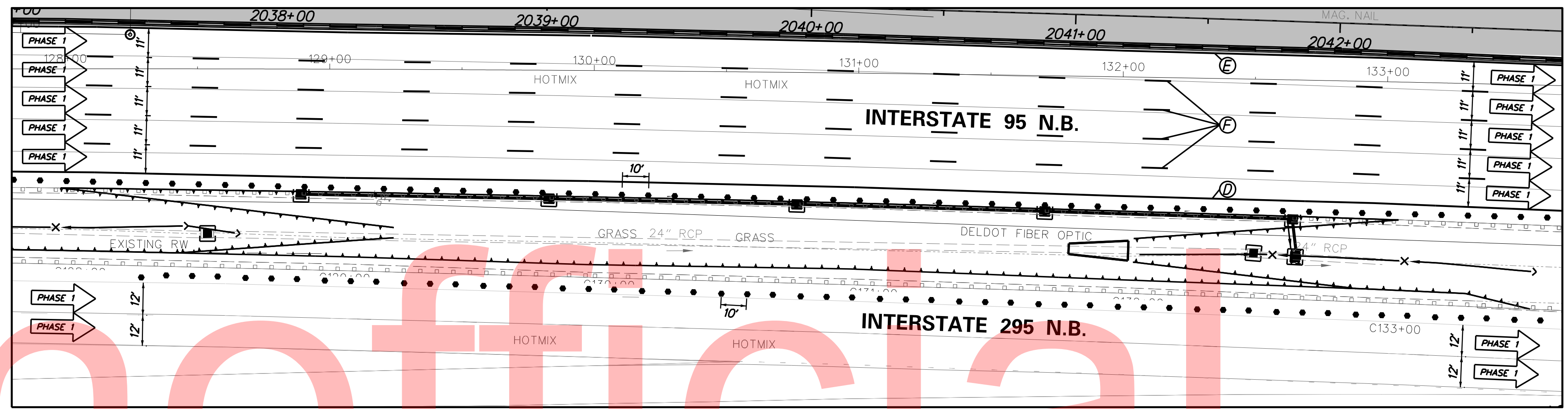


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

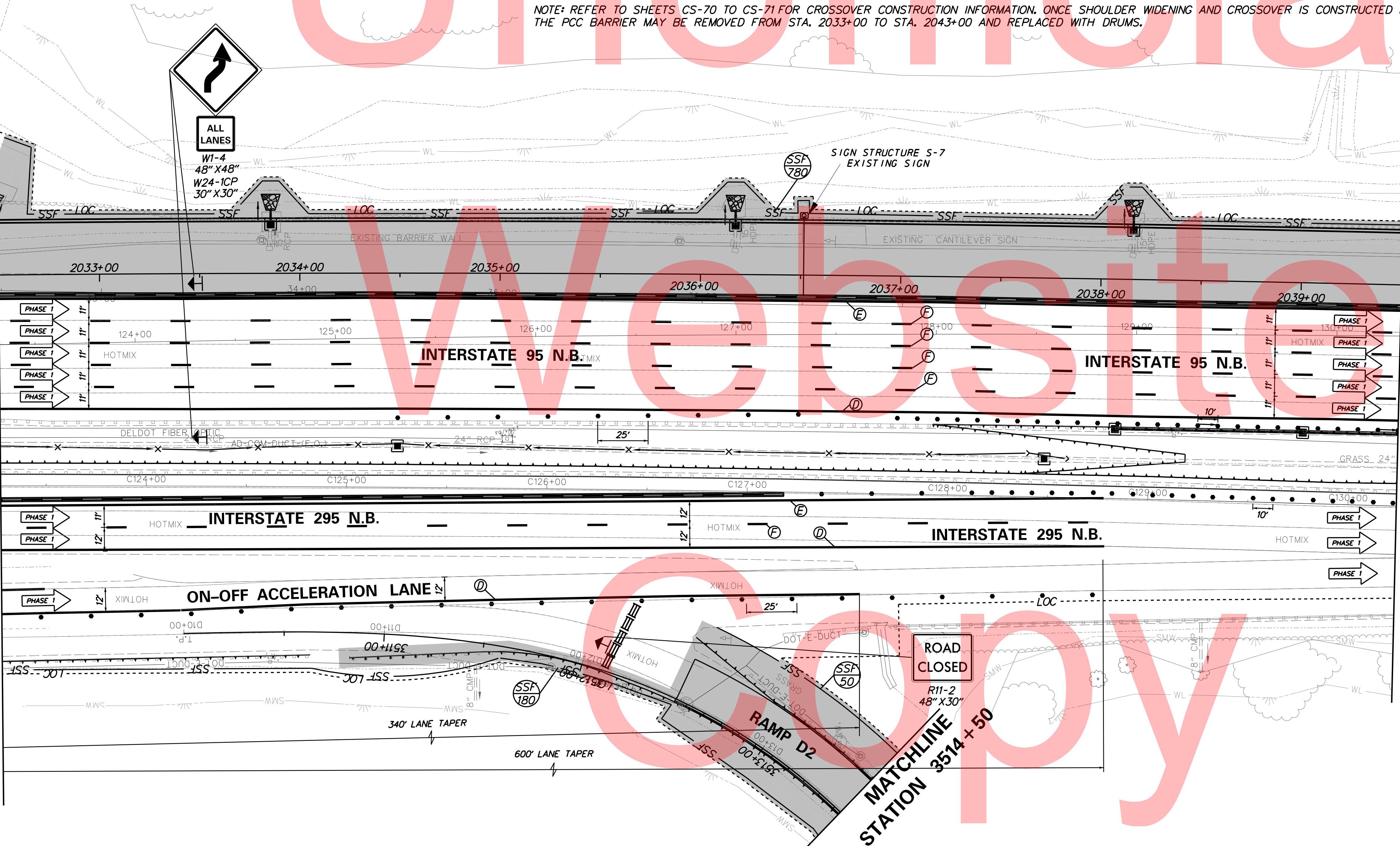
CS-23
SHEET NO.
251
TOTAL SHTS.
481



POST CROSSOVER CONSTRUCTION DETAIL

NOTE: REFER TO SHEETS CS-70 TO CS-71 FOR CROSSOVER CONSTRUCTION INFORMATION. ONCE SHOULDER WIDENING AND CROSSOVER IS CONSTRUCTED FROM APPROX. STA. 2032+25 TO STA. 2042+75, THE PCC BARRIER MAY BE REMOVED FROM STA. 2033+00 TO STA. 2043+00 AND REPLACED WITH DRUMS.

MATCHLINE STATION C123+28



MATCHLINE STATION C130+25

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTER\CADD\CS00_PHASE1.DGN [SHEET: CS-01-17]



ADDENDUMS / REVISIONS

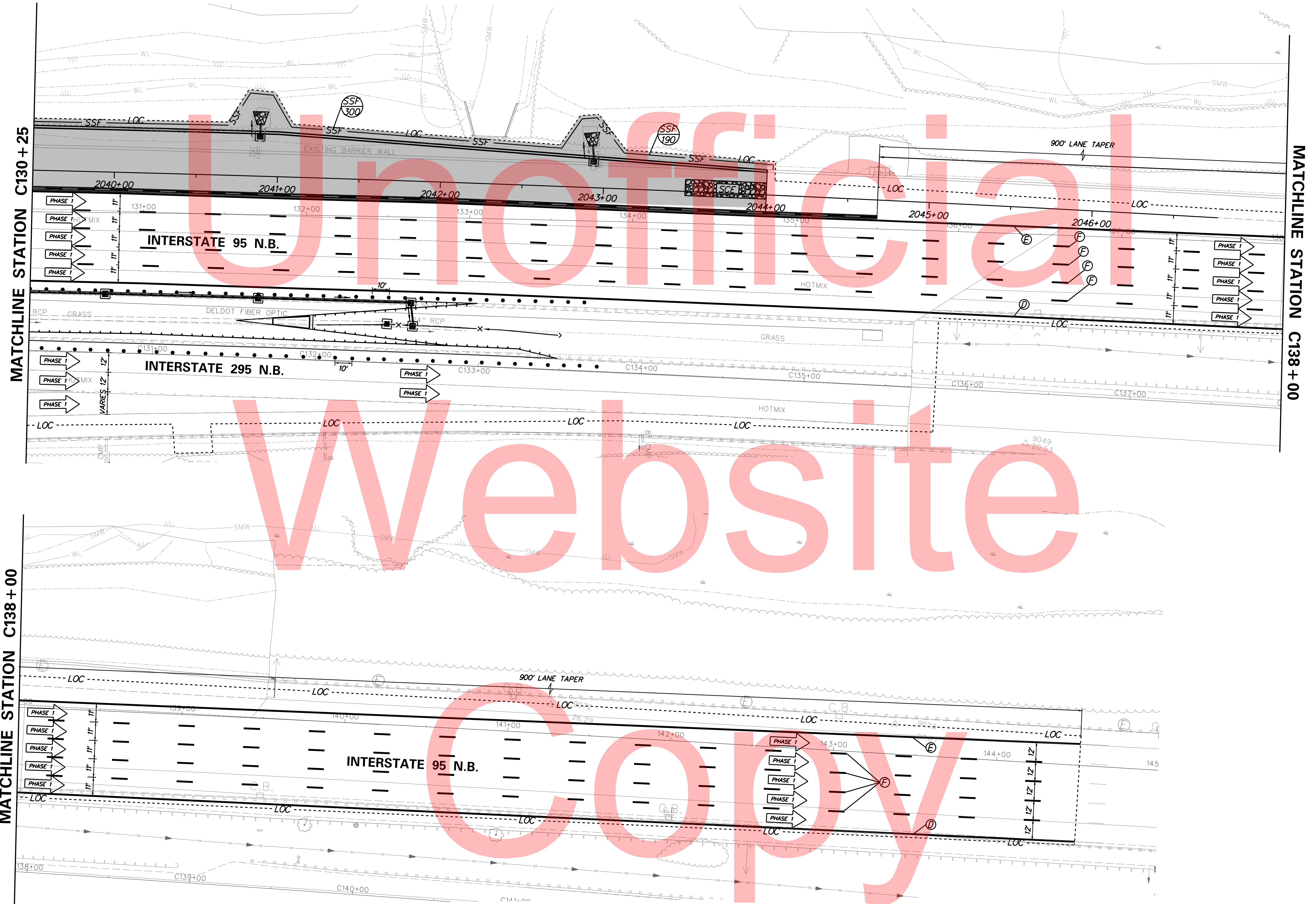
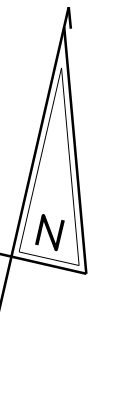


I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1

CS-24	SHEET NO.
	252
	TOTAL SHTS.
	481

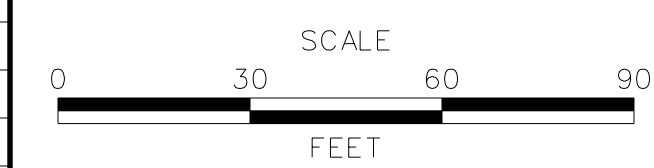


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ADDENDUMS / REVISIONS

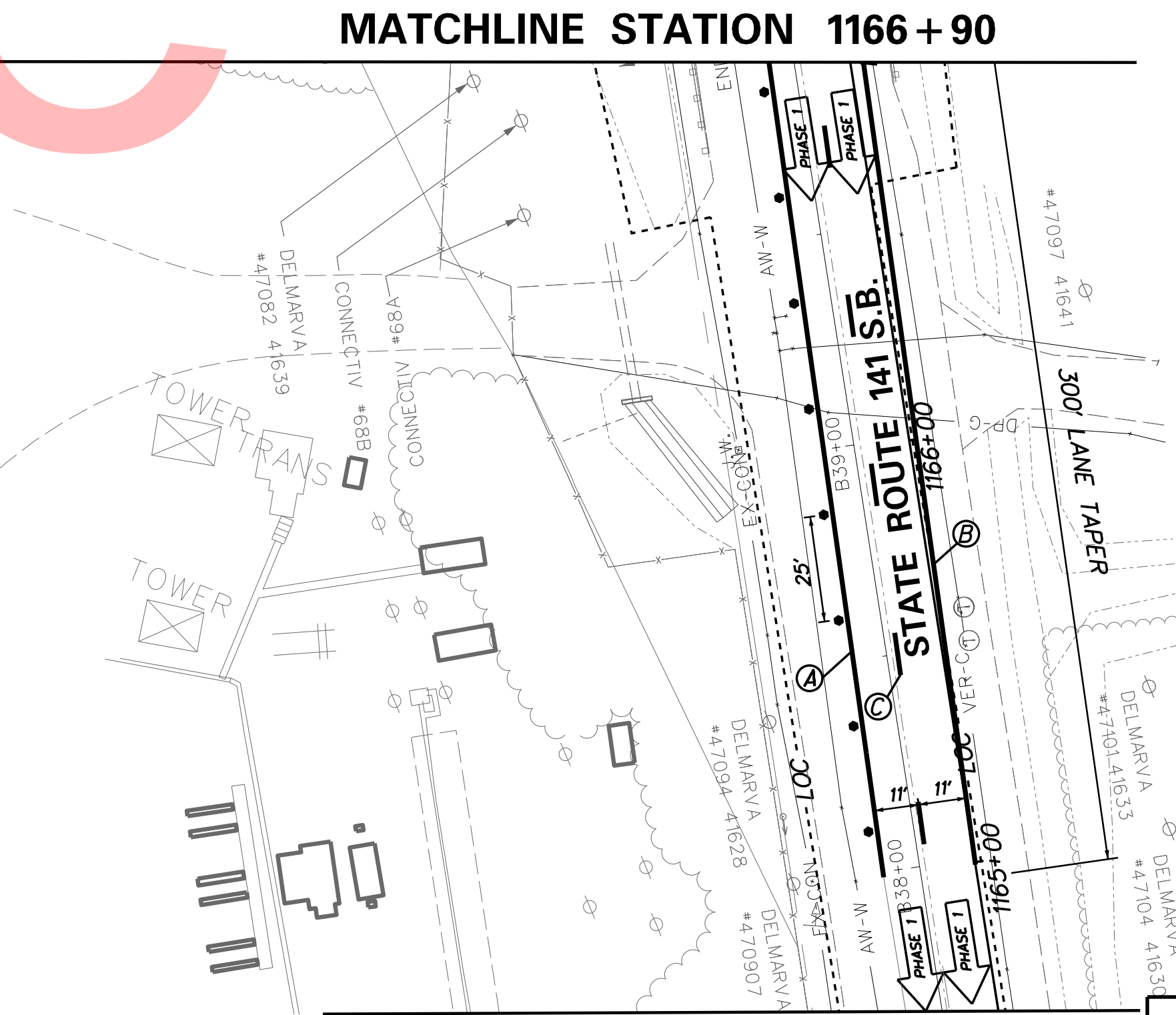
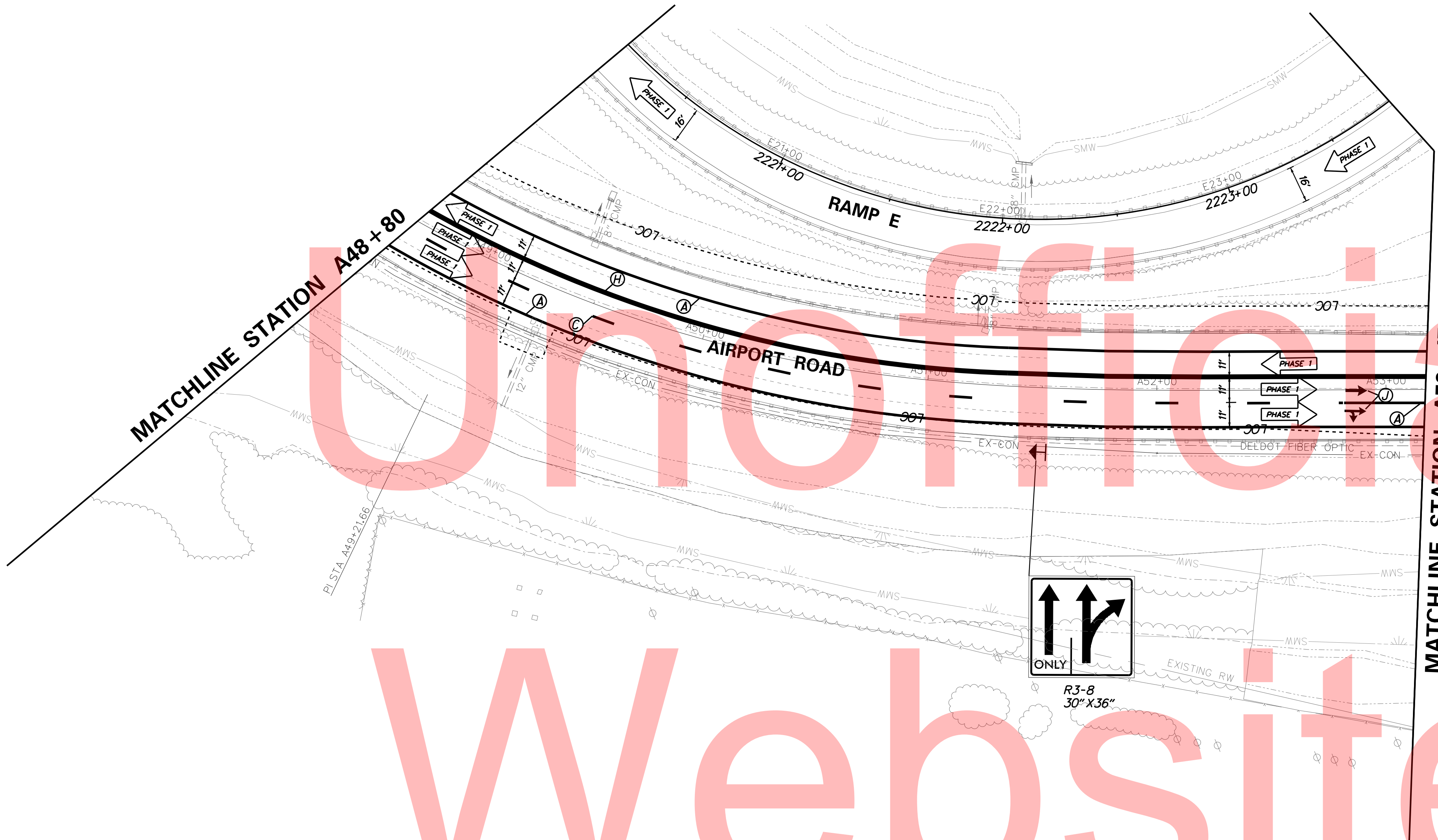
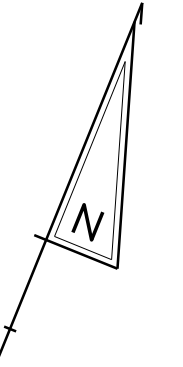


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KNV/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-25
SHEET NO.
253
TOTAL SHTS.
481



Official Website Copy

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE.060272.020_1-95_AND_SR_141_INTERCHANGE\CADD\CS000_PHASE1.DGN [SHEET: CS-01_20]



ADDENDUMS / REVISIONS	

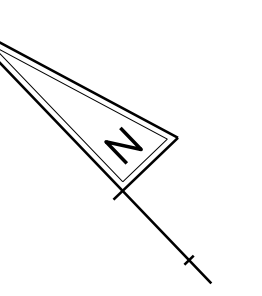


**I-95 AND SR 141 INTERCHANGE,
RAMP G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

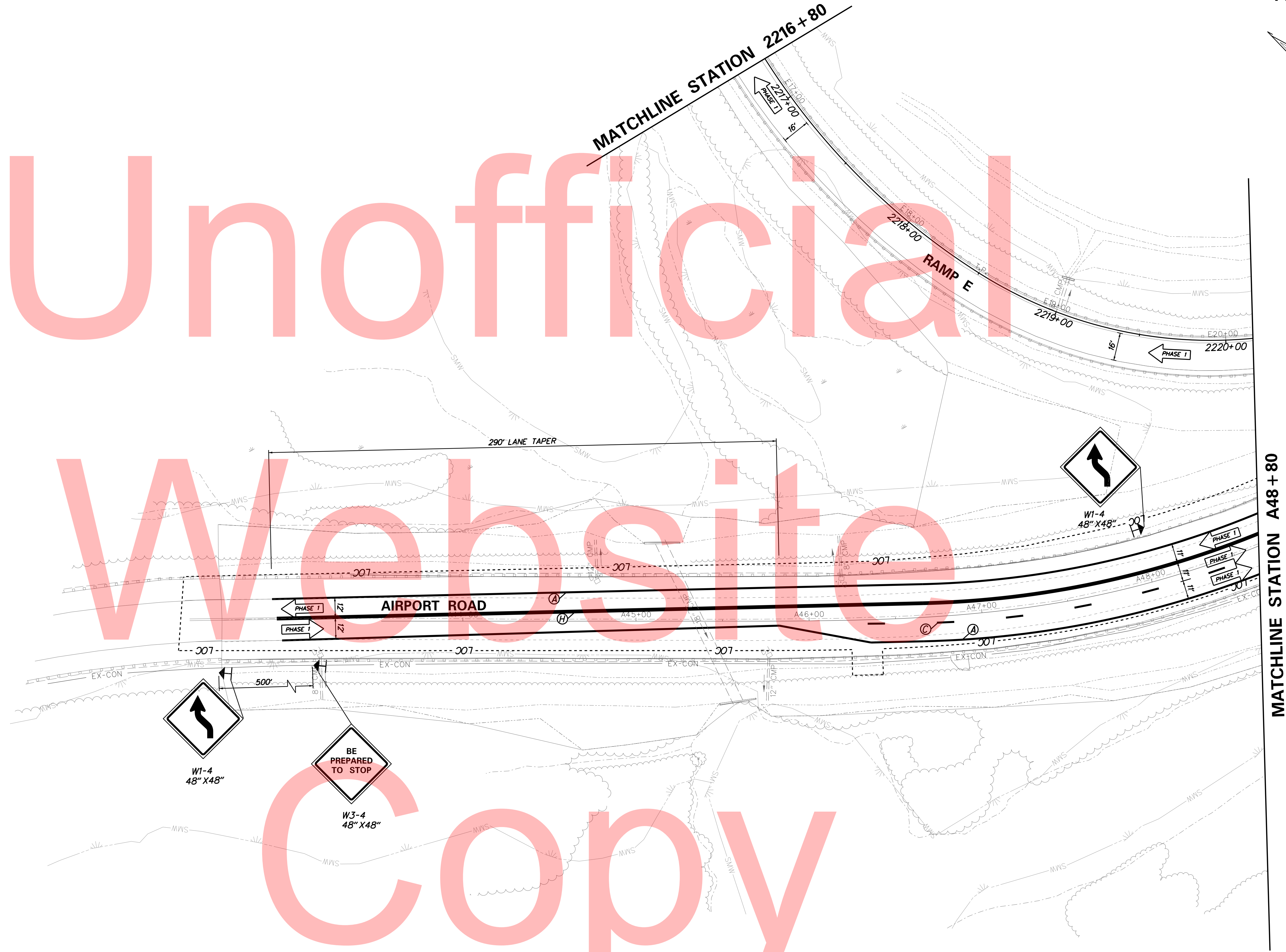
CS-26
SHEET NO.
254
TOTAL SHTS.
481



Unofficial

Website

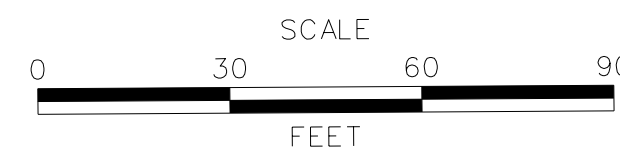
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PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1.DGN [SHEET: CS-01_21]



ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KNV/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-27
SHEET NO.
255
TOTAL SHTS.
481

SEQUENCE OF CONSTRUCTION

PHASE 1A

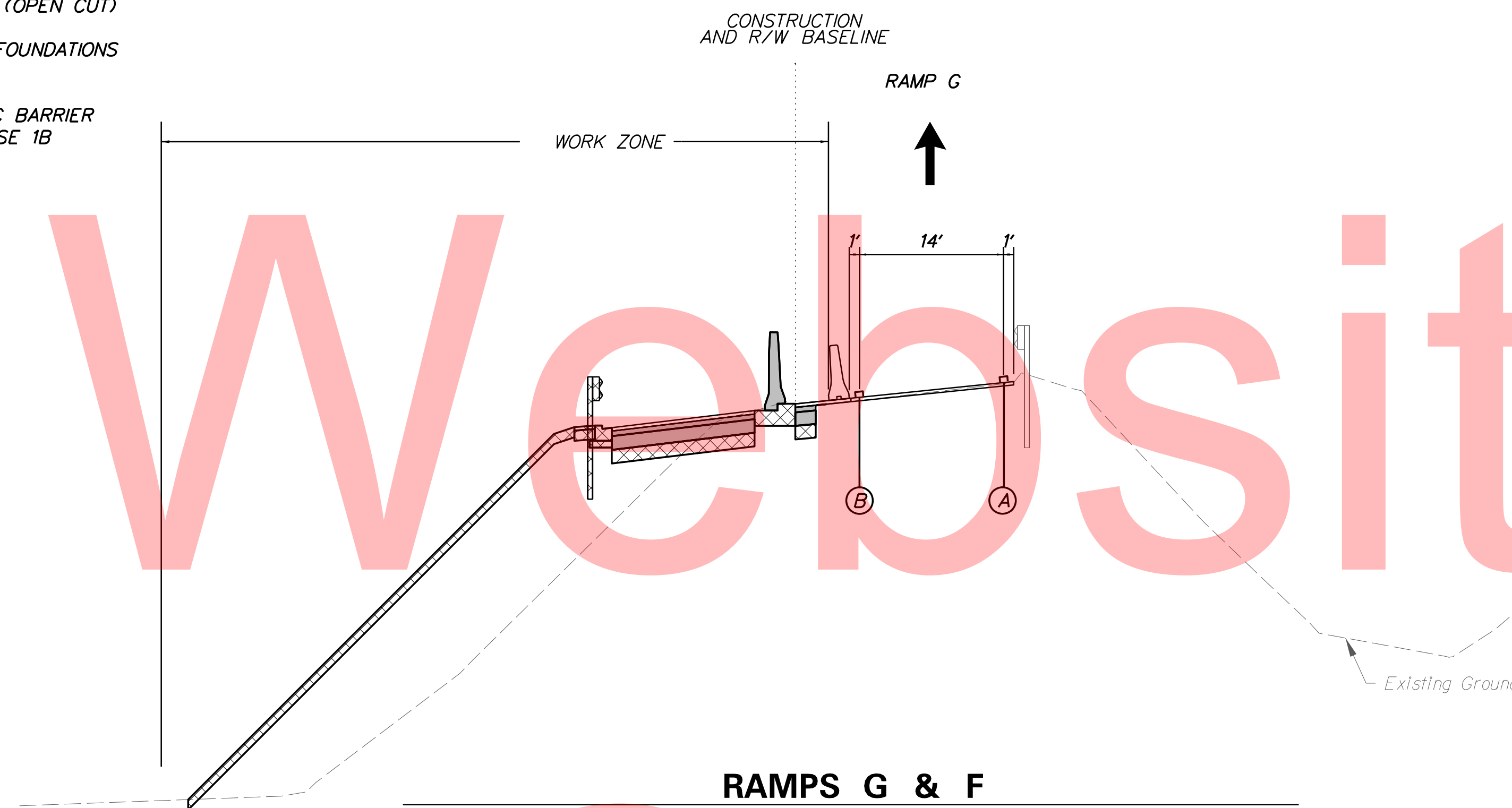
- 1 REMOVE EXISTING STRIPING AS NECESSARY USING TA-35 AND TA-17. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AND TA-17A AS SHOWN UNDER PHASE 1A TRAFFIC CONTROL.
- 2 DETOUR RAMP F TRAFFIC PER DETOUR PLANS. WHENEVER TWO OR MORE RAMPS ARE BEING CLOSED AT THE SAME TIME REFER TO THE RESPECTIVE INDIVIDUAL DETOUR PLANS. COVER OR REMOVE ANY CONFLICTING SIGNS.
- 3 INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AS SHOWN. ALSO, UNTIL THE RIPRAP OUTFALLS ARE IN PLACE, THE SUPER SILT FENCE MUST ENCLOSE THE WORK AREA. AFTER THE RIPRAP IS PLACED, TIE THE SUPER SILT FENCE INTO THE RIPRAP AS SHOWN.
- 4 CLEAR AND GRUB AS NECESSARY AND STOCKPILE TOPSOIL.
- 5 GRADE AND CONSTRUCT STORM DRAINAGE, PCC BARRIER AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE FROM STA 3012+00 TO STA 3030+00. CONSTRUCT STORM DRAINAGE, PCC BARRIER AND PATCH PAVEMENT SECTION UP TO TOP OF TYPE B COURSE FROM STA 2019+00 TO 2023+00.
- 6 CONSTRUCT ITMS CONDUITS, FIELD DEVICES, ITMS JUNCTION WELLS, LIGHTING CONDUITS, LIGHTING JUNCTION WELLS AND POLE BASES AS SHOWN ON THE SIGNING, STRIPING AND CONDUIT PLANS AND THE LIGHTING PLANS WITHIN THE PHASE 1A LIMITS OF CONSTRUCTION.
- 7 CONSTRUCT THE REMAINDER OF LIGHTING CONDUIT RUN *26. (OPEN CUT)
- 8 CONSTRUCT CANTILEVER AND CANTILEVER SIGN STRUCTURE FOUNDATIONS FOR SC-131 ALONG SB SR 141.
- 9 USING TA-35 AND TA-17 REMOVE/RELOCATE PORTABLE PCC BARRIER AND PLASTIC DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 1B TRAFFIC CONTROL.

NOTE: PHASE 1A WORK CAN NOT BE COMPLETED UNTIL THE PHASE 1 WIDENING WORK ALONG NB I-95 FROM APPROXIMATELY STATION 120+85 TO APPROXIMATELY STATION 134+80 IS COMPLETED.

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- 4" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 6" WHITE TEMPORARY PAVEMENT STRIPING
- 6" YELLOW TEMPORARY PAVEMENT STRIPING
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- 16" WHITE TEMPORARY PAVEMENT STRIPING
- WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 8" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP YELLOW TEMPORARY STRIPING



RAMPS G & F
RAMP G STATION 2020+00 TO STATION 2023+00
RAMP F STATION 3013+00 TO STATION 3030+00

PHASE 1A

TEMPORARY PAVEMENT MARKINGS QUANTITIES

SYMBOL	ITEM	QUANTITY
(B)	4" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	225 LF

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141\INTE\CADD\CS00_PHASE1A.DGN [SHEET: CS_1S01]



MATCHLINE STATION 2027 + 50

Unofficial

Website

Copy

LEFT
13 NORTH
Wilmington
1/2 MILE
SPECIAL
114" X150"

NORTH
295

W4-3
48" X48"

M3-1
36" X18"
M1-1
45" X36"

W1-4B
48" X48"

MATCHLINE STATION 1075 + 20

MATCHLINE STATION 3013 + 50

MATCHLINE STATION 1082 + 00

MATCHLINE STATION C123 + 28

ON-OFF ACCELERATION LANES

INTERSTATE 295 N.B.

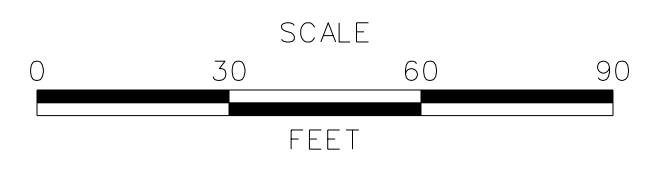
INTERSTATE 95 N.B.

STATE ROUTE 141 N.B.

PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CS00_PHASE1A.DGN [SHEET: CS_01A_05]



ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1A

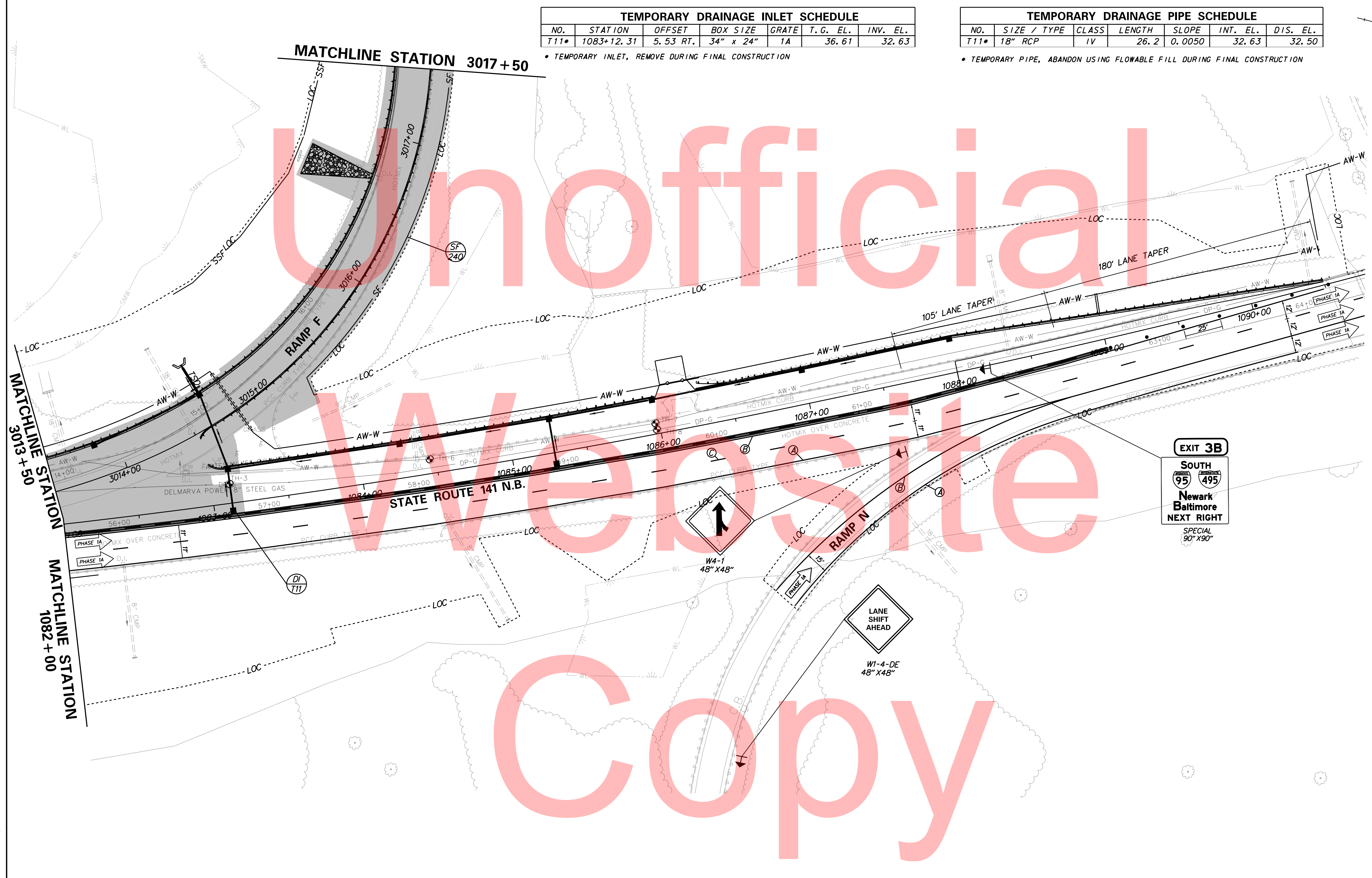
CS-29	
SHEET NO.	257
TOTAL SHTS.	481

TEMPORARY DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	INV. EL.
T11*	1083+12.31	5.53 RT.	34" x 24"	1A	36.61	32.63

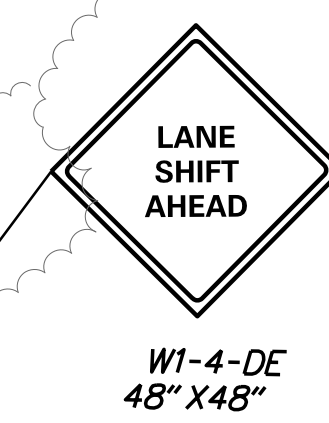
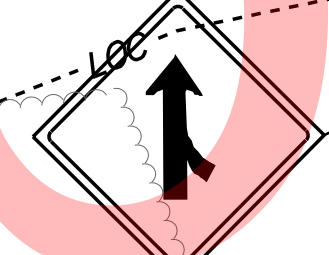
* TEMPORARY INLET, REMOVE DURING FINAL CONSTRUCTION

TEMPORARY DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
T11*	18" RCP	IV	26.2	0.0050	32.63	32.50

* TEMPORARY PIPE, ABANDON USING FLOWABLE FILL DURING FINAL CONSTRUCTION



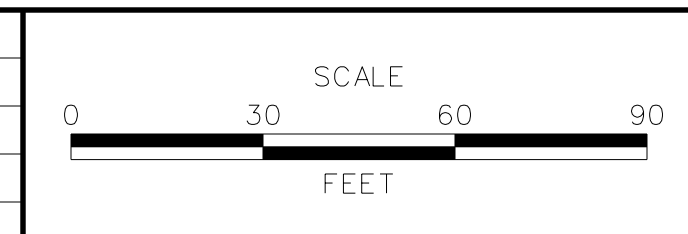
EXIT 3B
 SOUTH
 95 / 495
 Newark
 Baltimore
 NEXT RIGHT
 SPECIAL
 90" X 90"



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTER\CAD\CADD\CS00_PHASE1A.DGN [SHEET: CS_01_06]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

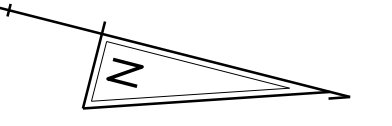


I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

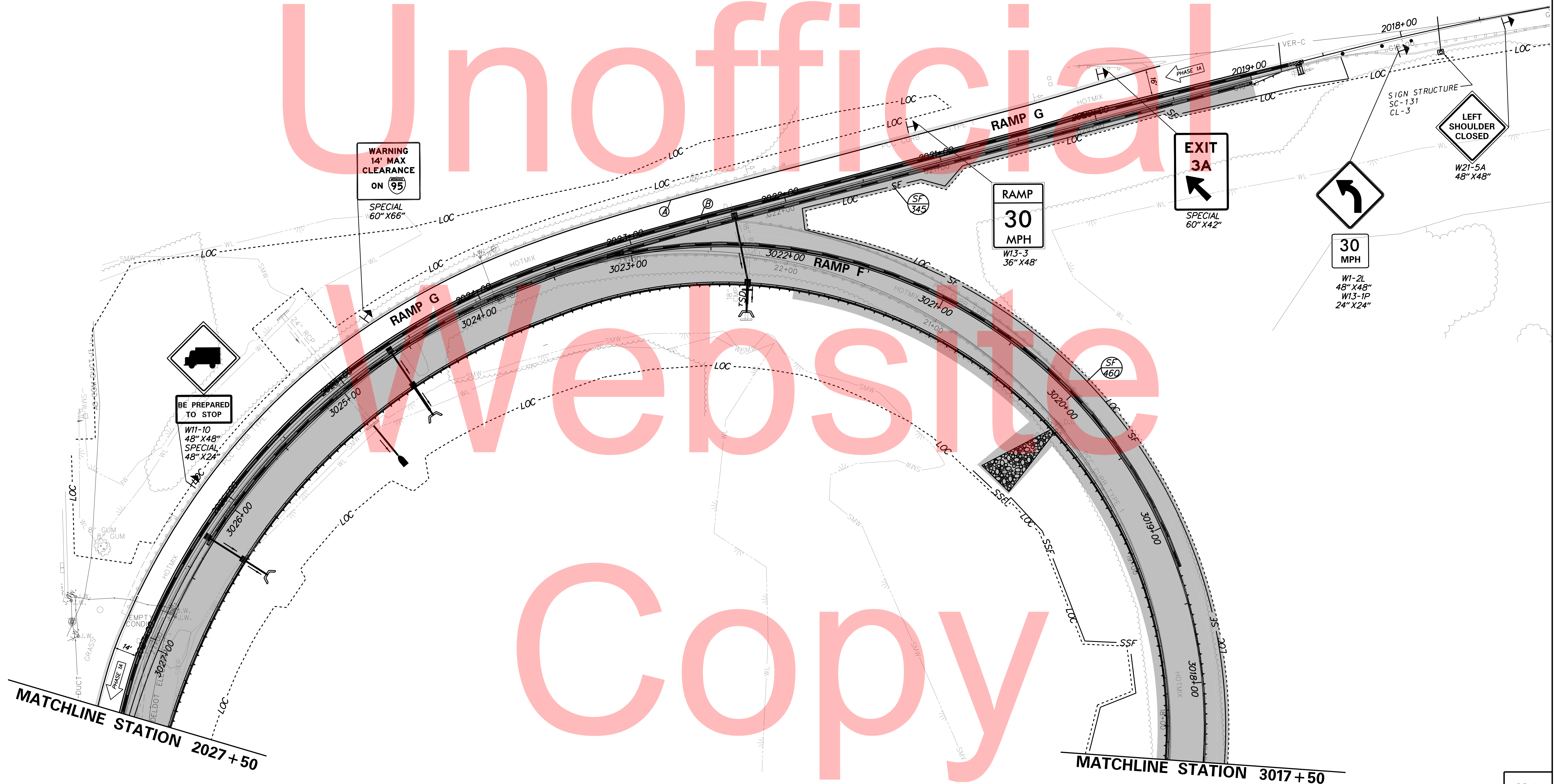
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1A

CS-30
SHEET NO.
258
TOTAL SHTS.
481



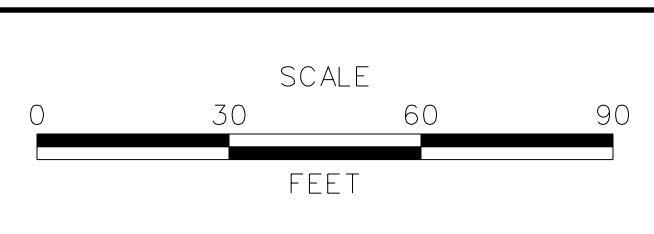
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DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272-020_I-95_AND_SR_141_INTE\CADD\CS00_PHASE1A.DGN
SHEET: CS_01A_08

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT T201109002	BRIDGE NO. 675 / 678
COUNTY NEW CASTLE	DESIGNED BY: KN/JDS
	CHECKED BY: BPH

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1A**

CS-31
SHEET NO. 259
TOTAL SHTS. 481

SEQUENCE OF CONSTRUCTION

PHASE 1B

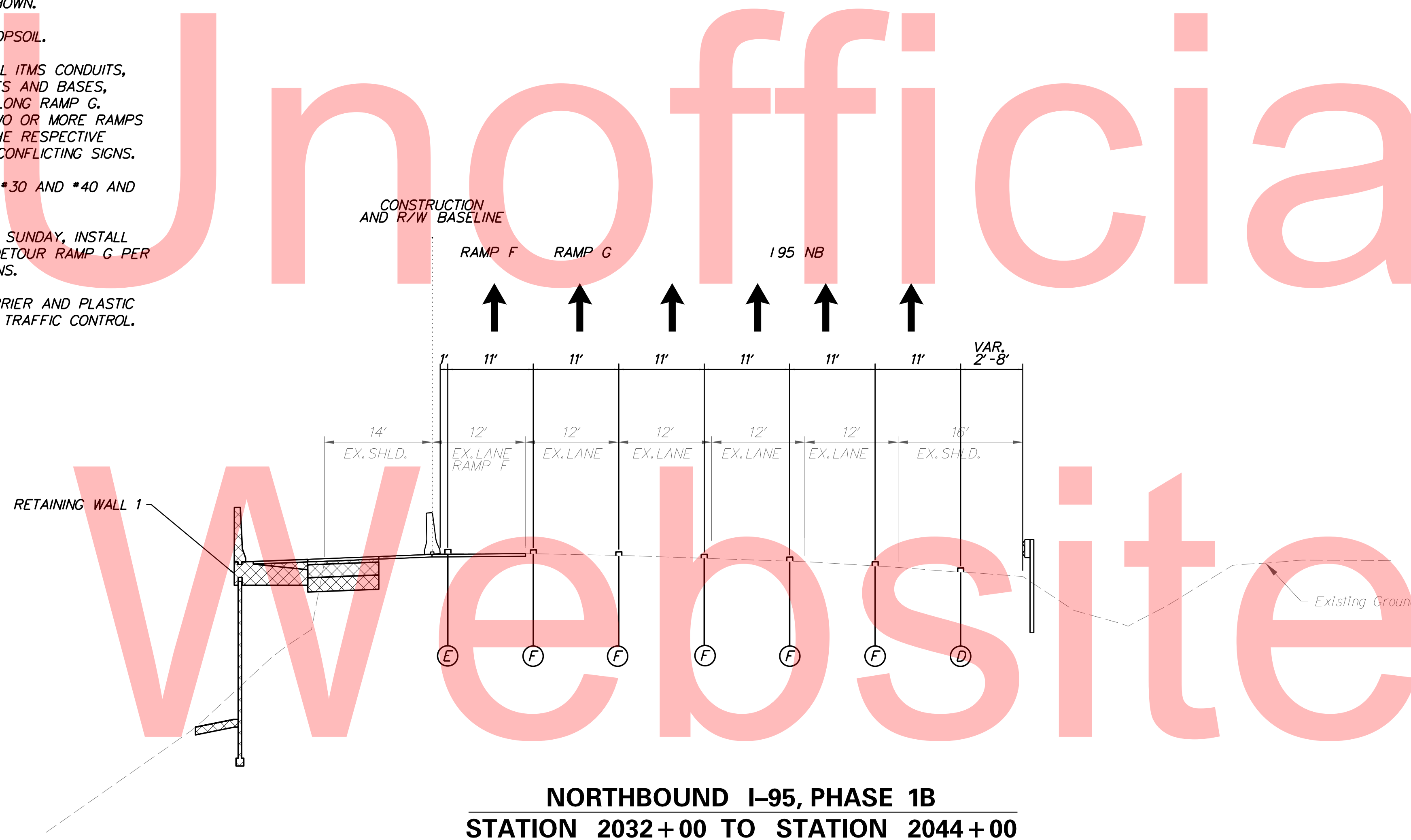
- ① REMOVE EXISTING STRIPING AS NECESSARY USING TA-35. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 1B TRAFFIC CONTROL.
- ② INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AS SHOWN. ALSO, UNTIL THE RIPRAP OUTFALLS ARE IN PLACE, THE SUPER SILT FENCE MUST ENCLOSE THE WORK AREA. AFTER THE RIPRAP IS PLACED, TIE THE SUPER SILT FENCE INTO THE RIPRAP AS SHOWN.
- ③ CLEAR AND GRUB AS NECESSARY AND STOCKPILE TOPSOIL.
- ④ DURING OFF-PEAK TIMES CLOSE RAMP G AND INSTALL ITMS CONDUITS, FIELD DEVICES, ITMS JUNCTION WELLS, LIGHTING POLES AND BASES, LIGHTING JUNCTION WELLS AND LIGHTING CONDUITS ALONG RAMP G. DETOUR RAMP G PER DETOUR PLANS. WHENEVER TWO OR MORE RAMPS ARE BEING CLOSED AT THE SAME TIME REFER TO THE RESPECTIVE INDIVIDUAL DETOUR PLANS. COVER OR REMOVE ANY CONFLICTING SIGNS.
- ⑤ CONSTRUCT THE REMAINDER OF ITMS CONDUIT RUNS *30 AND *40 AND LIGHTING CONDUIT RUN *15.
- ⑥ DURING RAMP G CLOSURE FROM FRIDAY EVENING TO SUNDAY, INSTALL GUARDRAIL FROM STA 2020+20 TO STA 2028+20. DETOUR RAMP G PER DETOUR PLANS. COVER OR REMOVE CONFLICTING SIGNS.
- ⑦ USING TA-35 REMOVE/RELOCATE PORTABLE PCC BARRIER AND PLASTIC DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2A TRAFFIC CONTROL.

NOTE: PHASE 1B WORK CANNOT START UNTIL THE PHASE 1A WORK IS COMPLETED.

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- (D) 6" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 6" YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- (G) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- (H) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (I) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (J) WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- (K) 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- (L) 8" WHITE TEMPORARY PAVEMENT STRIPING
- (M) 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- (N) 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- (O) 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (P) 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (Q) 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (R) 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (S) 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (T) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (U) 4" SKIP YELLOW TEMPORARY STRIPING



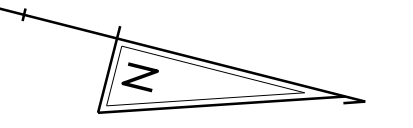
**NORTHBOUND I-95, PHASE 1B
STATION 2032+00 TO STATION 2044+00**

PHASE 1B

TEMPORARY PAVEMENT MARKINGS QUANTITIES		
SYMBOL	ITEM	QUANTITY
(A)	4" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	2565 LF
(B)	4" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	2825 LF
(E)	6" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748020)	2525 LF
(G)	4" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	115 LF
(J)	WHITE TEMPORARY PAVEMENT STRIPING SYMBOL (ITEM 748026)	130 SF
(K)	6" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	300 LF
(L)	8" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	1025 LF

Copy

PLOTTED BY: MONTE DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020-I-95-AND-SR-141-INTC\CADD\CS00_PHASE1B.DGN [SHEET: CS-TS01]



MATCHLINE STATION 2027 + 50

Unofficial

Web site

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MATCHLINE STATION 1075 + 20

MATCHLINE STATION 3013 + 50

MATCHLINE STATION 1082 + 00

MATCHLINE STATION C123 + 28

LEFT
13 NORTH
Wilmington
1/2 MILE
SPECIAL
114" X 150"

LEFT
EXIT 3A
95 495 NORTH
Wilmington
Philadelphia
PERMANENT CL-2
(11.5' x 4.5')
(18.5' x 11.5')

EXIT
3A
SPECIAL
60" X 42"

NORTH
295

NOTE:
CONSTRUCTION VEHICLES MAY NOT ENTER
THE SCE ADJACENT TO I-295 FROM EITHER
RAMP G, RAMP F, OR I-95.

M3-1
36" X 18"
M1-1
45" X 36"

W4-3
48" X 48"

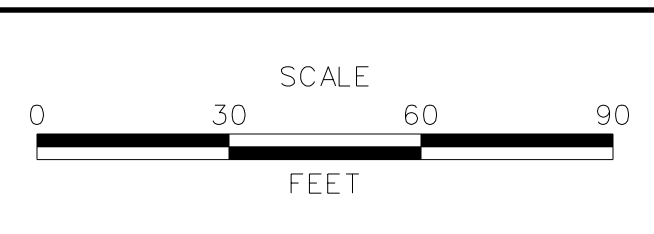
INSTALL PERMANENT OVERHEAD
SIGNS AS SHOWN ON SS-04

STATE ROUTE 141 N.B.

PLOTTED BY: MONITES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1B.DGN [SHEET: CS_01B_05]

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

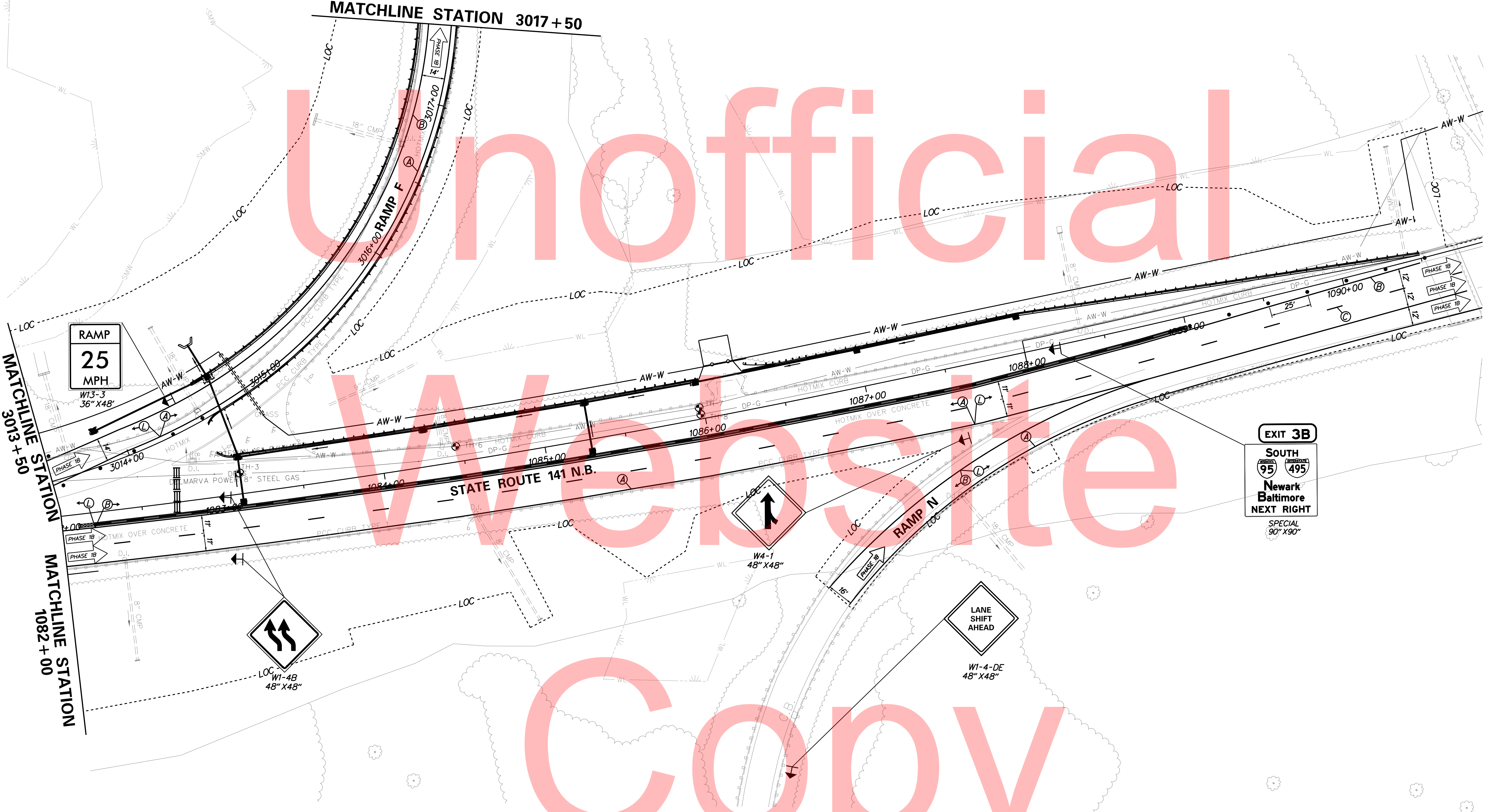
CONTRACT T201109002	BRIDGE NO. 675 / 678
COUNTY NEW CASTLE	DESIGNED BY: KN/JDS CHECKED BY: BPH

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1B

CS-33
SHEET NO. 261
TOTAL SHTS. 481



Unofficial
Website
Copy



RAMP
25
MPH
W13-3
36" X 48"

EXIT 3B
SOUTH
95 495
Newark
Baltimore
NEXT RIGHT
SPECIAL
90" X 90"

W4-1
48" X 48"

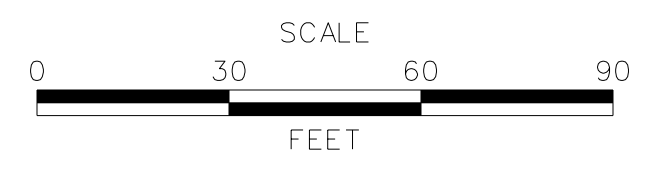
LANE
SHIFT
AHEAD
W1-4-DE
48" X 48"

W1-4B
48" X 48"

PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTER\CADD\CS00_PHASE1B.DGN [SHEET: CS_01B_06]



ADDENDUMS / REVISIONS	

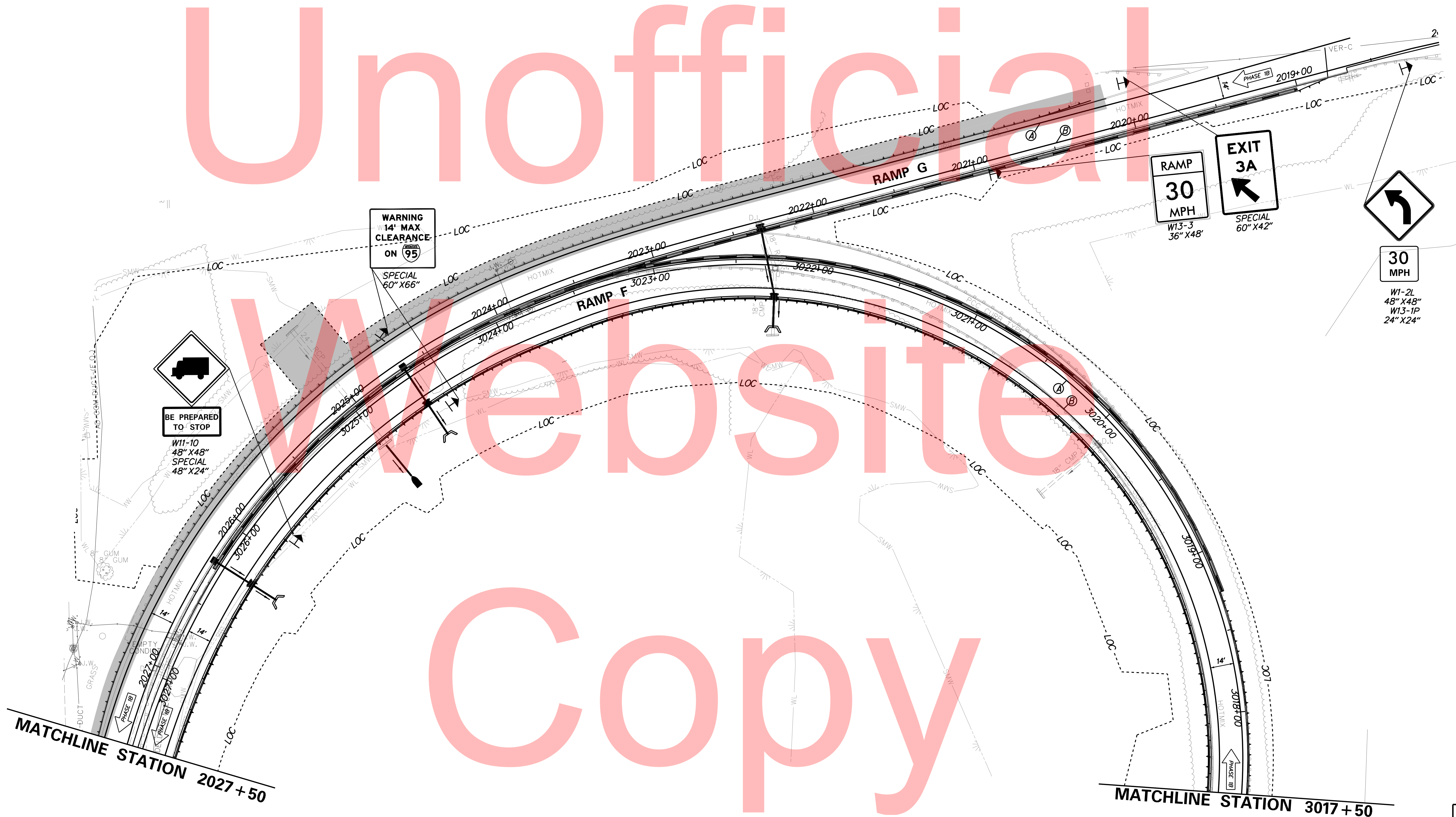
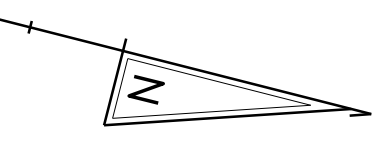


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1B

CS-34
SHEET NO.
262
TOTAL SHTS.
481



Unofficial Website Copy

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1B.DGN [SHEET: CS_01B_08]



ADDENDUMS / REVISIONS	

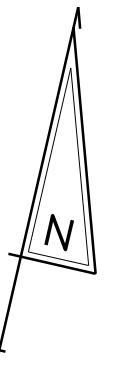


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1B**

CS-35
SHEET NO.
263
TOTAL SHTS.
481



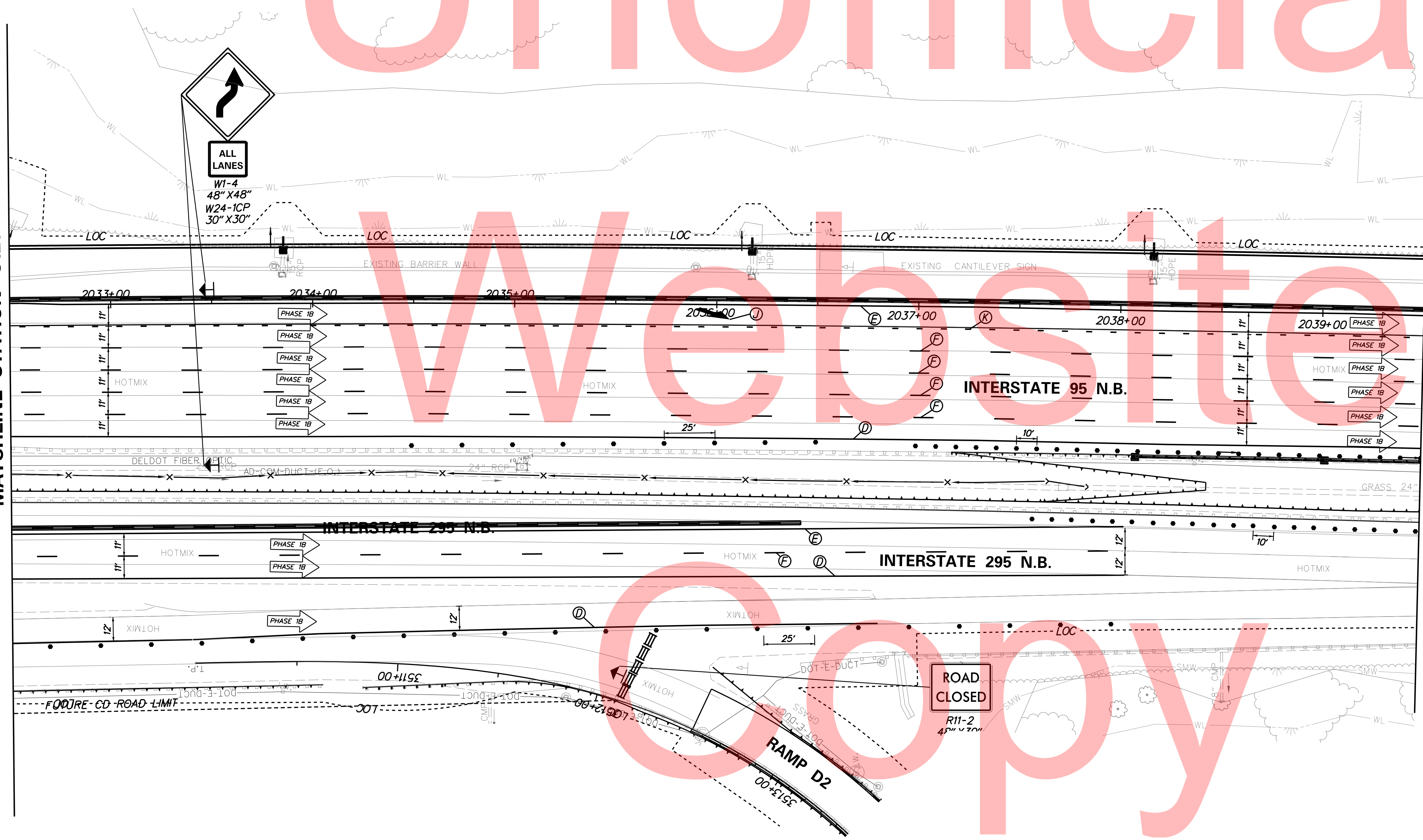
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Website

Copy

MATCHLINE STATION C123+28

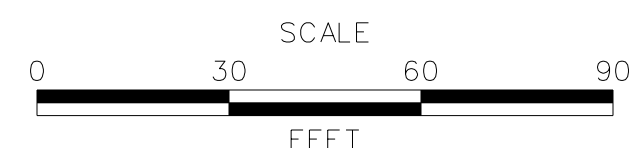
MATCHLINE STATION C130+25



PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141\INTE\CADD\CS00_PHASE1B.DGN [SHEET: CS_01B_03]



ADDENDUMS / REVISIONS

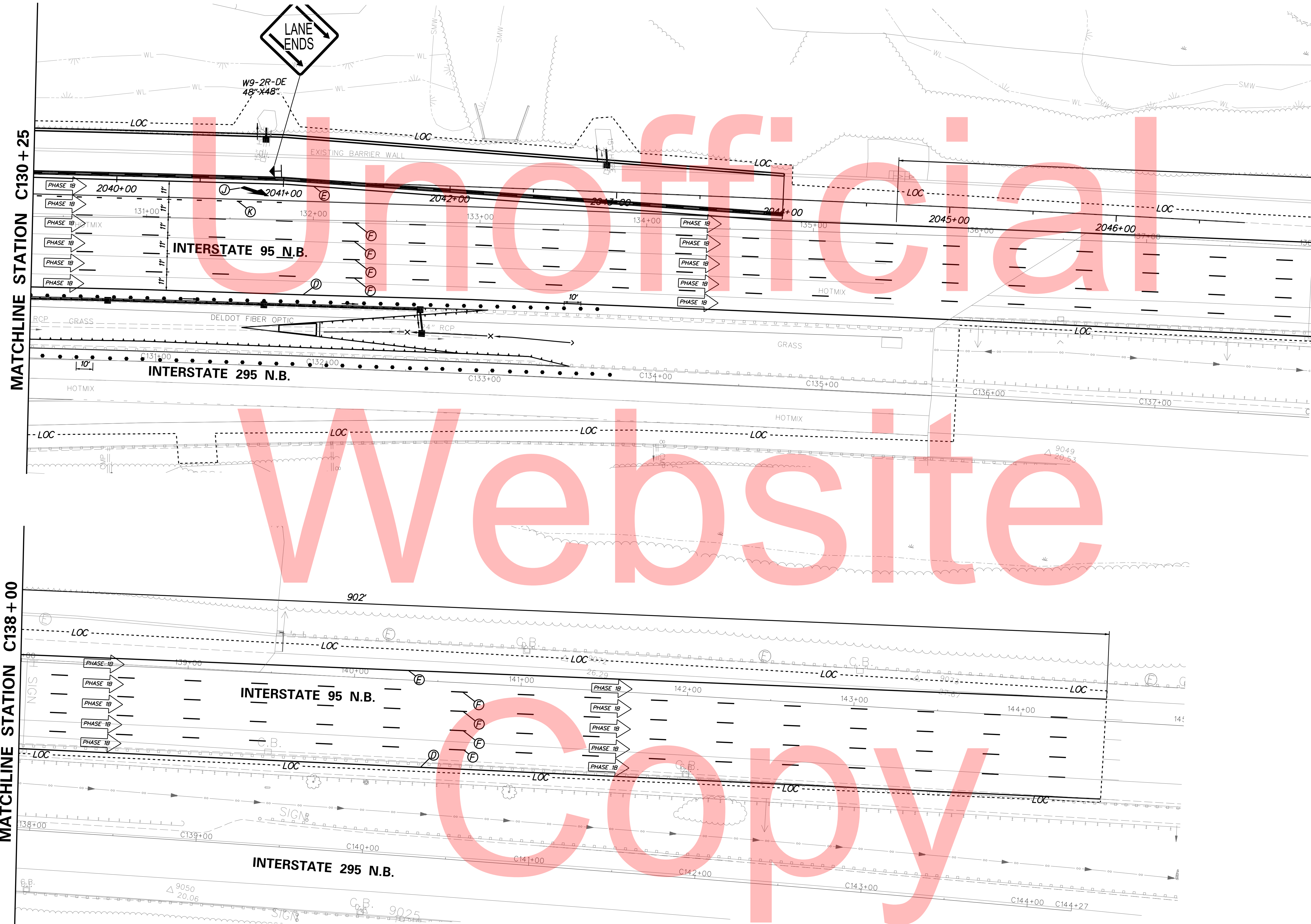
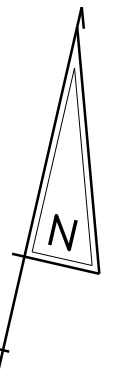


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1B

CS-36	SHEET NO.
	264
	TOTAL SHTS.
	481



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE.060272.020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1B.DGN [SHEET: CS_01B_03]



**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1B**

CS-37
SHEET NO.
265
TOTAL SHTS.
481

SEQUENCE OF CONSTRUCTION

PHASE 1C

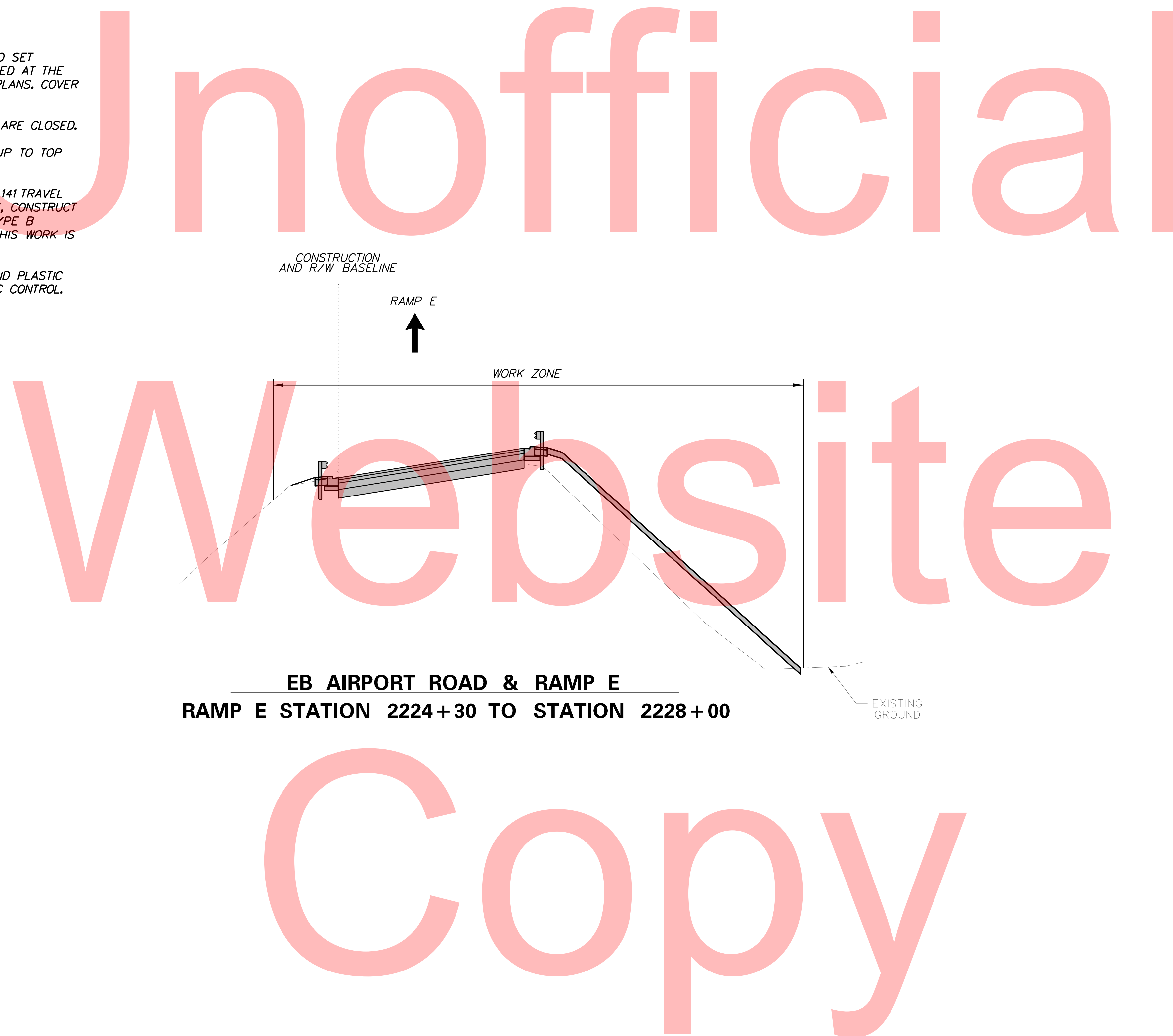
- ① REMOVE EXISTING STRIPING AS NECESSARY USING TA-35. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 1B TRAFFIC CONTROL.
- ② INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AS SHOWN. ALSO, UNTIL THE RIPRAP OUTFALLS ARE IN PLACE, THE SUPER SILT FENCE MUST ENCLOSE THE WORK AREA. AFTER THE RIPRAP IS PLACED, TIE THE SUPER SILT FENCE INTO THE RIPRAP AS SHOWN.
- ③ CLEAR AND GRUB AS NECESSARY AND STOCKPILE TOPSOIL.
- ④ CLOSE RAMP E AND INSTALL DETOUR PER DETOUR PLANS TO SET BARRIER. WHENEVER TWO OR MORE RAMPS ARE BEING CLOSED AT THE SAME TIME REFER TO THE RESPECTIVE INDIVIDUAL DETOUR PLANS. COVER OR REMOVE ANY CONFLICTING SIGNS.
- ⑤ RAMP E SHALL NOT BE CLOSED WHEN RAMP F OR RAMP G ARE CLOSED.
- ⑥ GRADE, INSTALL CURB, GUARDRAIL, AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE FROM STA 2224+30 TO STA 2228+00.
- ⑦ PRIOR TO OPENING RAMP E TO TRAFFIC AND THREE SB SR 141 TRAVEL LANES ACROSS BRIDGE 678 AS SHOWN IN PHASE-2A PLANS, CONSTRUCT CENTER PAVEMENT SECTION OF SB SR 141 UP TO TOP OF TYPE B COURSE FROM STA 1170+00 TO STA 1171+30 USING TA-5B. THIS WORK IS TO BE DONE ONLY DURING WEEKEND.
- ⑧ USING TA-35 REMOVE/RELOCATE PORTABLE PCC BARRIER AND PLASTIC DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2A TRAFFIC CONTROL.

NOTE: PHASE 1C CANNOT START UNTIL THE COMPLETION OF PHASE 1B. PHASE 1C WORK MAY BE PERFORMED WHILE TRAFFIC ALONG NORTHBOUND SR 141 IS UNDER THE PHASE 2A MOT SETUP. HOWEVER, THE PHASE 2A MOT SETUP ALONG SOUTHBOUND SR 141 CANNOT START UNTIL PHASE 1C IS COMPLETED.

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

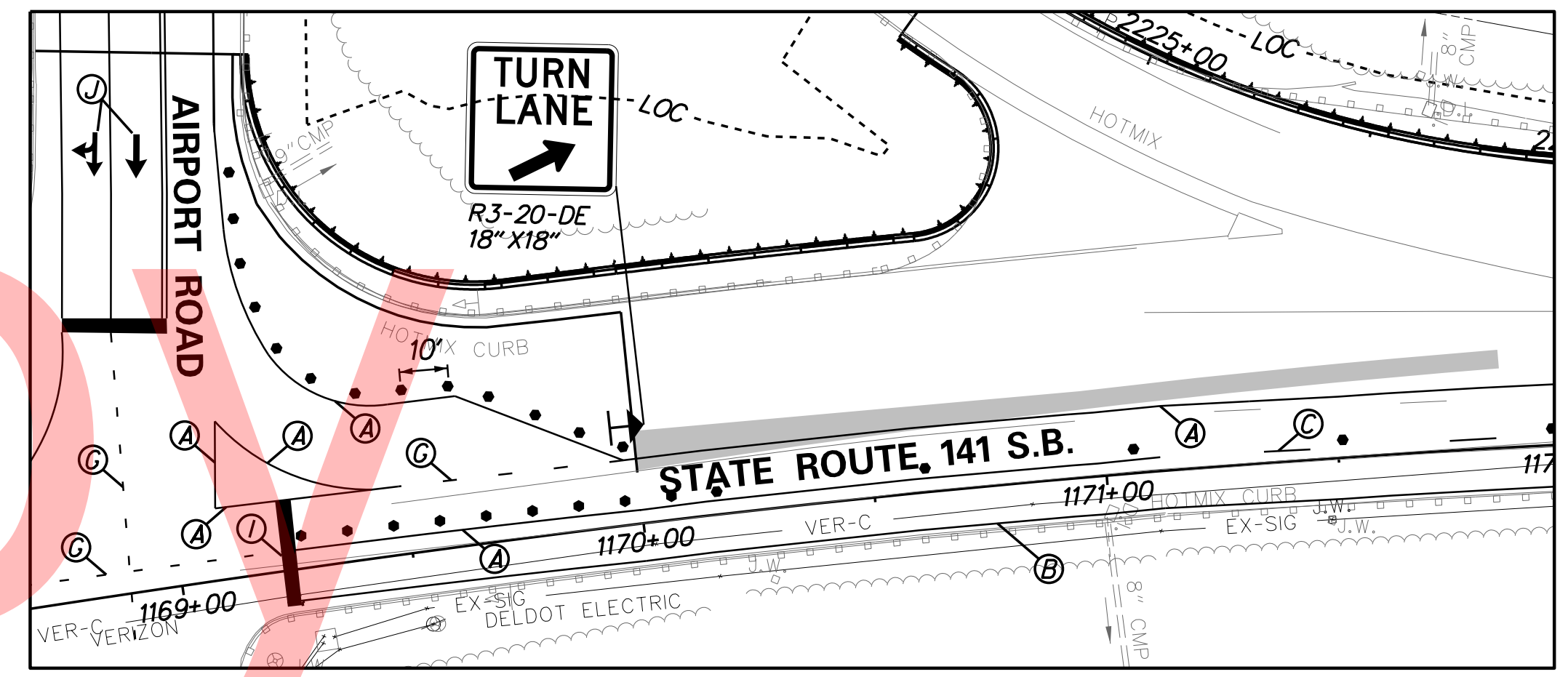
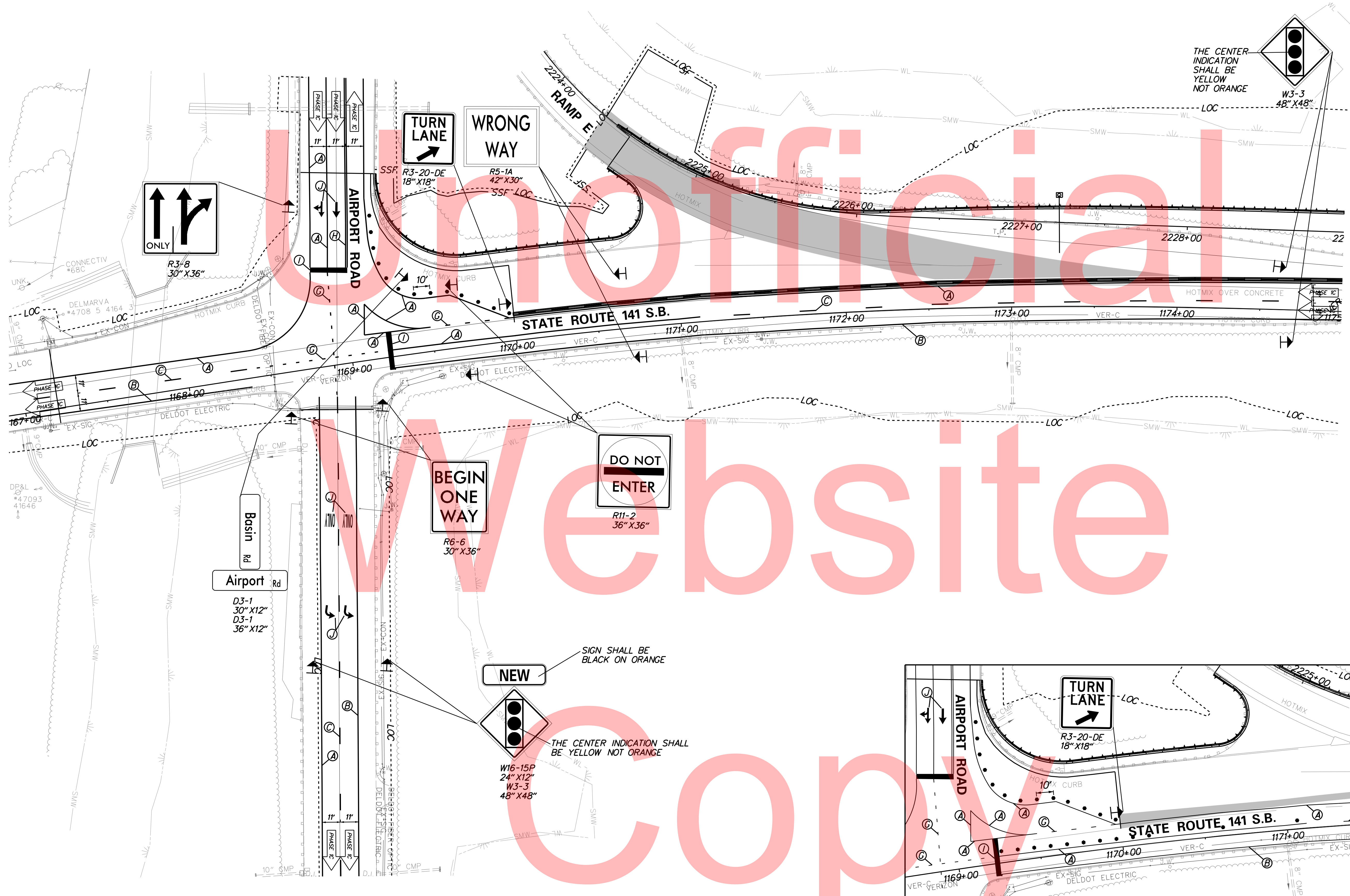
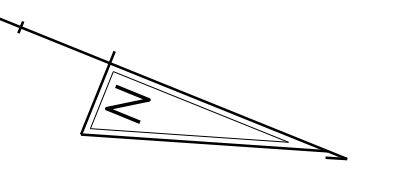
MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- 4" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 6" WHITE TEMPORARY PAVEMENT STRIPING
- 6" YELLOW TEMPORARY PAVEMENT STRIPING
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- 16" WHITE TEMPORARY PAVEMENT STRIPING
- WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 8" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP YELLOW TEMPORARY STRIPING



**EB AIRPORT ROAD & RAMP E
RAMP E STATION 2224+30 TO STATION 2228+00**

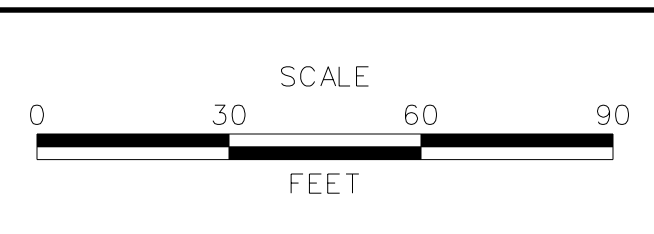
PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020-1-95-AND-SR-141-INTL\CADD\CS00_PHASE1C.DGN [SHEET: CS-TS01]



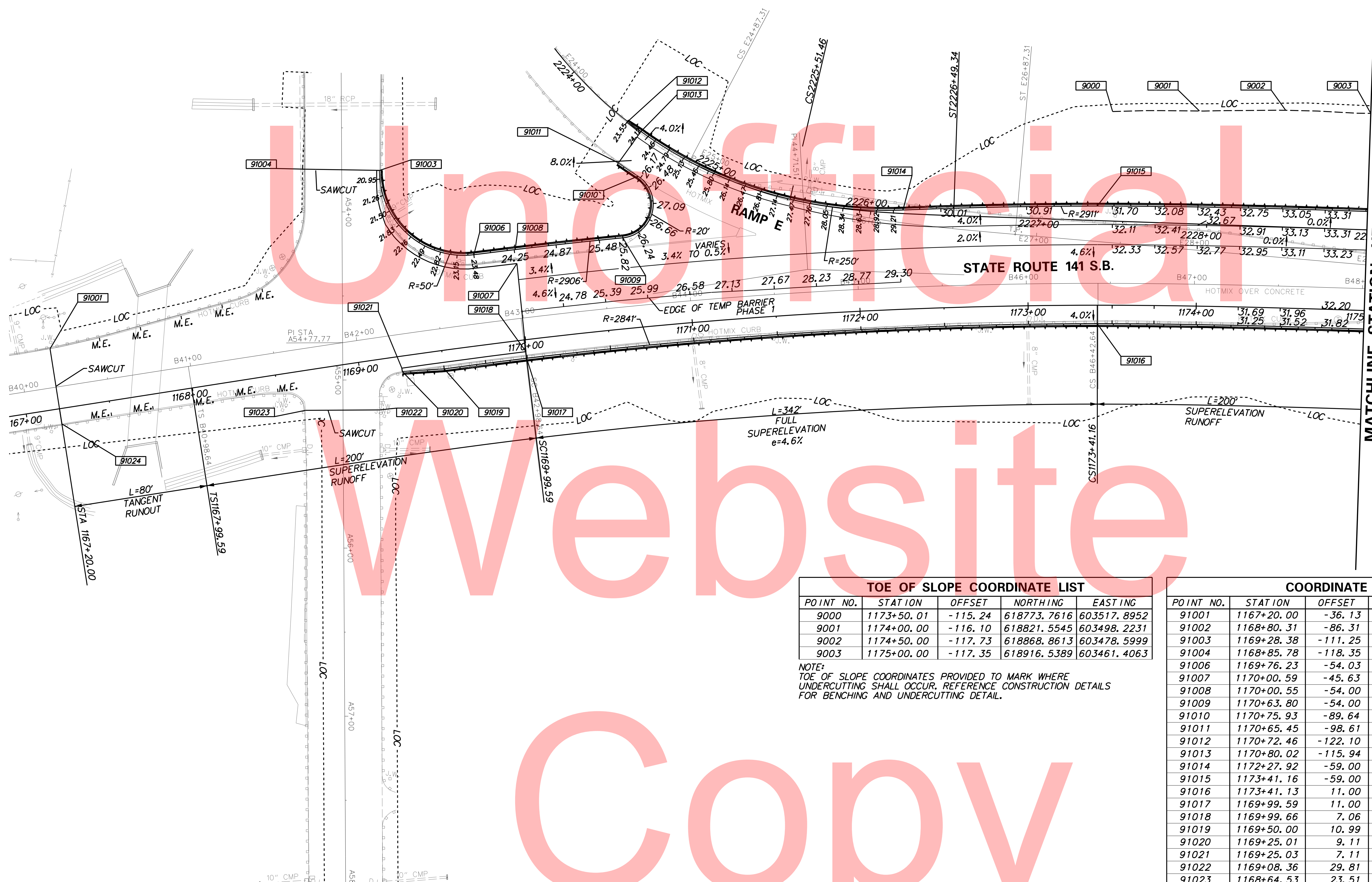
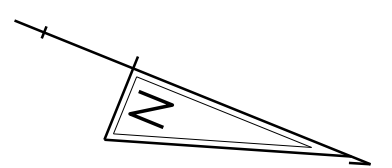
Center Pavement Construction Along SB SR 141
Weekend Work

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE1C.DGN [SHEET: CS_01C_09]

ADDENDUMS / REVISIONS



CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH



TOE OF SLOPE COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
9000	1173+50.01	-115.24	618773.7616	603517.8952
9001	1174+00.00	-116.10	618821.5545	603498.2231
9002	1174+50.00	-117.73	618868.8613	603478.5999
9003	1175+00.00	-117.35	6188916.5389	603461.4063

NOTE:
TOE OF SLOPE COORDINATES PROVIDED TO MARK WHERE UNDERCUTTING SHALL OCCUR. REFERENCE CONSTRUCTION DETAILS FOR BENCHING AND UNDERCUTTING DETAIL.

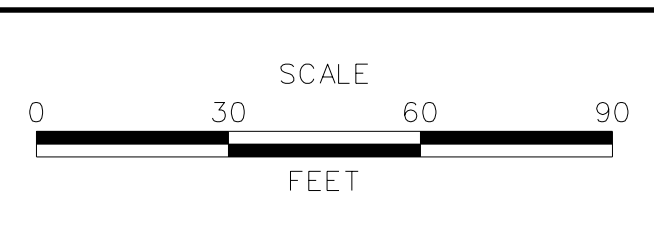
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
91001	1167+20.00	-36.13	618240.6241	603885.5026
91002	1168+80.31	-86.31	618352.9046	603759.9973
91003	1169+28.38	-111.25	618382.5574	603713.7409
91004	1168+85.78	-118.35	618341.4006	603729.5862
91006	1169+76.23	-54.03	618453.3797	603739.1941
91007	1170+00.59	-45.63	618479.1005	603734.4917
91008	1170+00.55	-54.00	618475.0224	603727.1749
91009	1170+63.80	-54.00	618531.8017	603696.6821
91010	1170+75.93	-89.64	618526.3802	603659.3317
91011	1170+65.45	-98.61	618512.6449	603656.3624
91012	1170+72.46	-122.10	618508.2475	603632.1678
91013	1170+80.02	-115.94	618518.0757	603634.0134
91014	1172+27.92	-59.00	618680.0801	603618.9433
91015	1173+41.16	-59.00	618786.3271	603573.4709
91016	1173+41.13	11.00	618812.5625	603638.3685
91017	1169+99.59	11.00	618505.5700	603784.5611
91018	1169+99.66	7.06	618503.7289	603781.0786
91019	1169+50.00	10.99	618462.4923	603808.7763
91020	1169+25.01	9.11	618439.9539	603819.5940
91021	1169+25.03	7.11	618438.9656	603817.8553
91022	1169+08.36	29.81	618436.0368	603845.8205
91023	1168+64.53	23.51	618395.2336	603862.5685
91024	1167+20.00	9.14	618263.8777	603924.3504
91025	1169+76.71	-104.51	618429.0756	603694.9464
91026	1170+63.68	-73.83	618522.4948	603679.1673

NOTE:
TEMPORARY GRADING TO BE DONE DURING PHASE 1C TO ALLOW FOR PHASE 2 TRAFFIC.

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\GG.DGN [SHEET: CS40]



ADDENDUMS / REVISIONS



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	CGG
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

GRADES AND GEOMETRICS	SHEET NO.	268
	TOTAL SHTS.	481
	CS-40	

SEQUENCE OF CONSTRUCTION

PHASE 2A

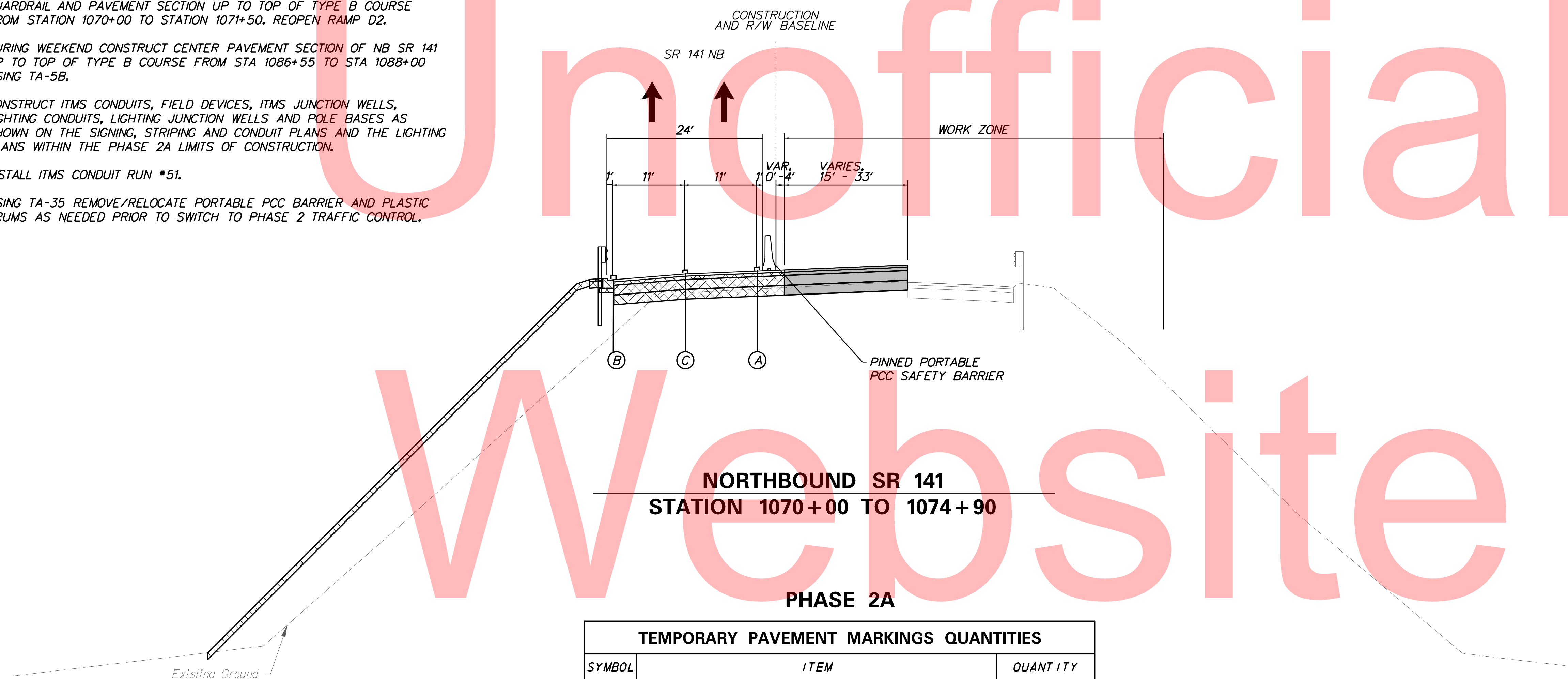
- ① REMOVE EXISTING STRIPING AS NECESSARY USING TA-35. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 2A TRAFFIC CONTROL.
- ② CONSTRUCT REMAINDER OF ITMS CONDUIT RUN #14 AND LIGHTING CONDUIT RUN #5 (OPEN CUT).
- ③ PRIOR TO OPENING RAMP D2 TO TRAFFIC AND THREE NB SR141 TRAVEL LANES ACROSS BRIDGE 675 AS SHOWN IN PHASE-2 PLANS, CONSTRUCT CENTER PAVEMENT SECTION OF NB SR 141 UP TO TOP OF TYPE B COURSE FROM STA 1071+50 TO STA 1074+90 AND INSTALL CURB, GUARDRAIL AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE FROM STATION 1070+00 TO STATION 1071+50. REOPEN RAMP D2.
- ④ DURING WEEKEND CONSTRUCT CENTER PAVEMENT SECTION OF NB SR 141 UP TO TOP OF TYPE B COURSE FROM STA 1086+55 TO STA 1088+00 USING TA-5B.
- ⑤ CONSTRUCT ITMS CONDUITS, FIELD DEVICES, ITMS JUNCTION WELLS, LIGHTING CONDUITS, LIGHTING JUNCTION WELLS AND POLE BASES AS SHOWN ON THE SIGNING, STRIPING AND CONDUIT PLANS AND THE LIGHTING PLANS WITHIN THE PHASE 2A LIMITS OF CONSTRUCTION.
- ⑥ INSTALL ITMS CONDUIT RUN #51.
- ⑦ USING TA-35 REMOVE/RELOCATE PORTABLE PCC BARRIER AND PLASTIC DRUMS AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.

NOTE: THE PHASE 2A MOT SETUP ALONG NORTHBOUND SR 141 CANNOT START UNTIL PHASE 1B IS COMPLETED. THE PHASE 2A MOT SETUP ALONG SOUTHBOUND SR 141 CANNOT START UNTIL PHASE 1C IS COMPLETED. THE PHASE 2A MOT SETUP ALONG NORTHBOUND AND SOUTHBOUND SR 141 SHALL REMAIN IN PLACE UNTIL AFTER THE COMPLETION OF THE PHASE 2 PIER DEMO STAGE II WORK IS COMPLETED AND RAMP D-2 IS OPEN. THE TEMPORARY TRAFFIC SIGNAL NEEDS TO BE MAINTAINED UNTIL RAMP D-2 IS OPEN.

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

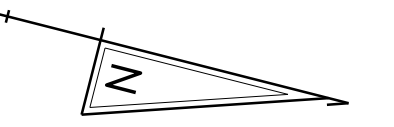
MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- (D) 6" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 6" YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- (G) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- (H) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (I) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (J) WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- (K) 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- (L) 8" WHITE TEMPORARY PAVEMENT STRIPING
- (M) 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- (N) 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- (O) 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (P) 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (Q) 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (R) 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (S) 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (T) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- (U) 4" SKIP YELLOW TEMPORARY STRIPING



TEMPORARY PAVEMENT MARKINGS QUANTITIES		
SYMBOL	ITEM	QUANTITY
(A)	4" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	6140 LF
(B)	4" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	3020 LF
(C)	4" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	860 LF
(G)	4" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	115 LF
(H)	4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	2270 LF
(I)	16" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	75 LF
(J)	WHITE TEMPORARY PAVEMENT STRIPING SYMBOL (ITEM 748026)	225 SF
(L)	8" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	895 LF
(M)	4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	330 LF
(R)	4" WHITE TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	330 LF
(S)	4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	85 LF

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020-1-95-AND-SR-141\INTE\CADD\CS00_PHASE2A.DGN [SHEET: CS-TS01]



MATCHLINE STATION A58+00

Unofficial

WRONG WAY
R5-1A
42" X 30"

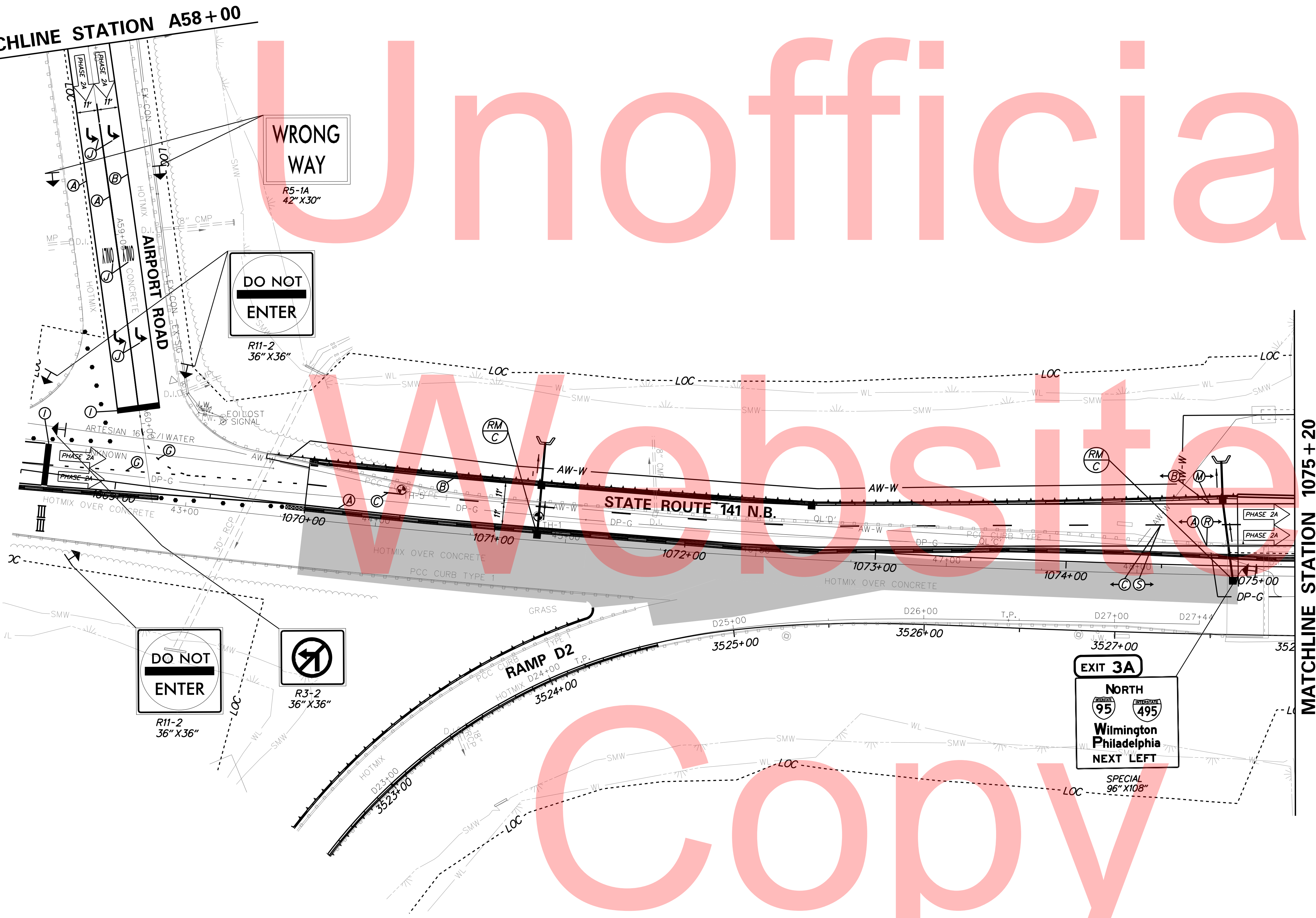
DO NOT ENTER
R11-2
36" X 36"

DO NOT ENTER
R11-2
36" X 36"

R3-2
36" X 36"

EXIT 3A
NORTH
95 495
Wilmington
Philadelphia
NEXT LEFT
SPECIAL
96" X 108"

MATCHLINE STATION 1075+20



PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2A.DGN [SHEET: CS-02A-04]



ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2A

CS-42
SHEET NO.
270
TOTAL SHTS.
481



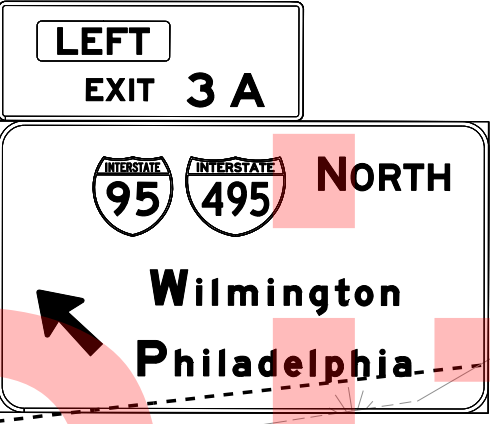
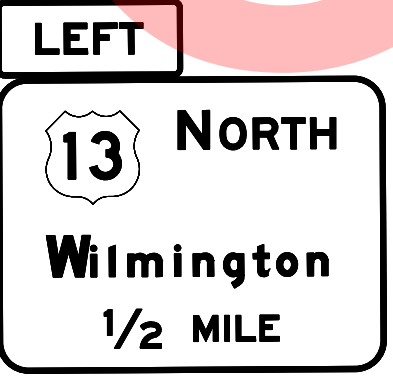
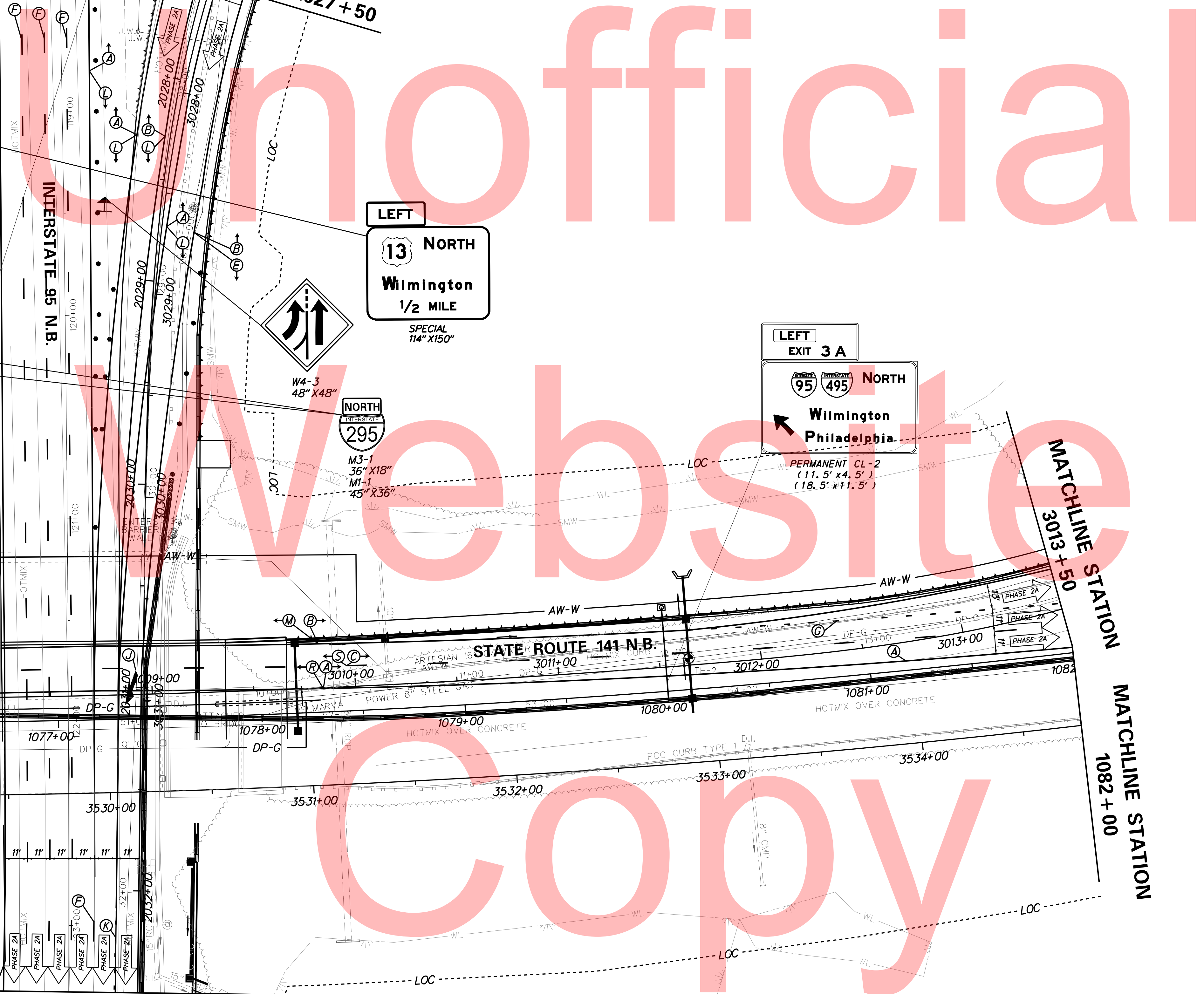
MATCHLINE STATION 2027 + 50

MATCHLINE STATION 1075 + 20

MATCHLINE STATION 3013 + 50

MATCHLINE STATION 1082 + 00

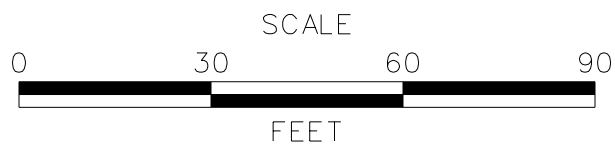
MATCHLINE STATION C123 + 28



PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CS00_PHASE2A.DGN [SHEET: CS_02A_05]



ADDENDUMS / REVISIONS

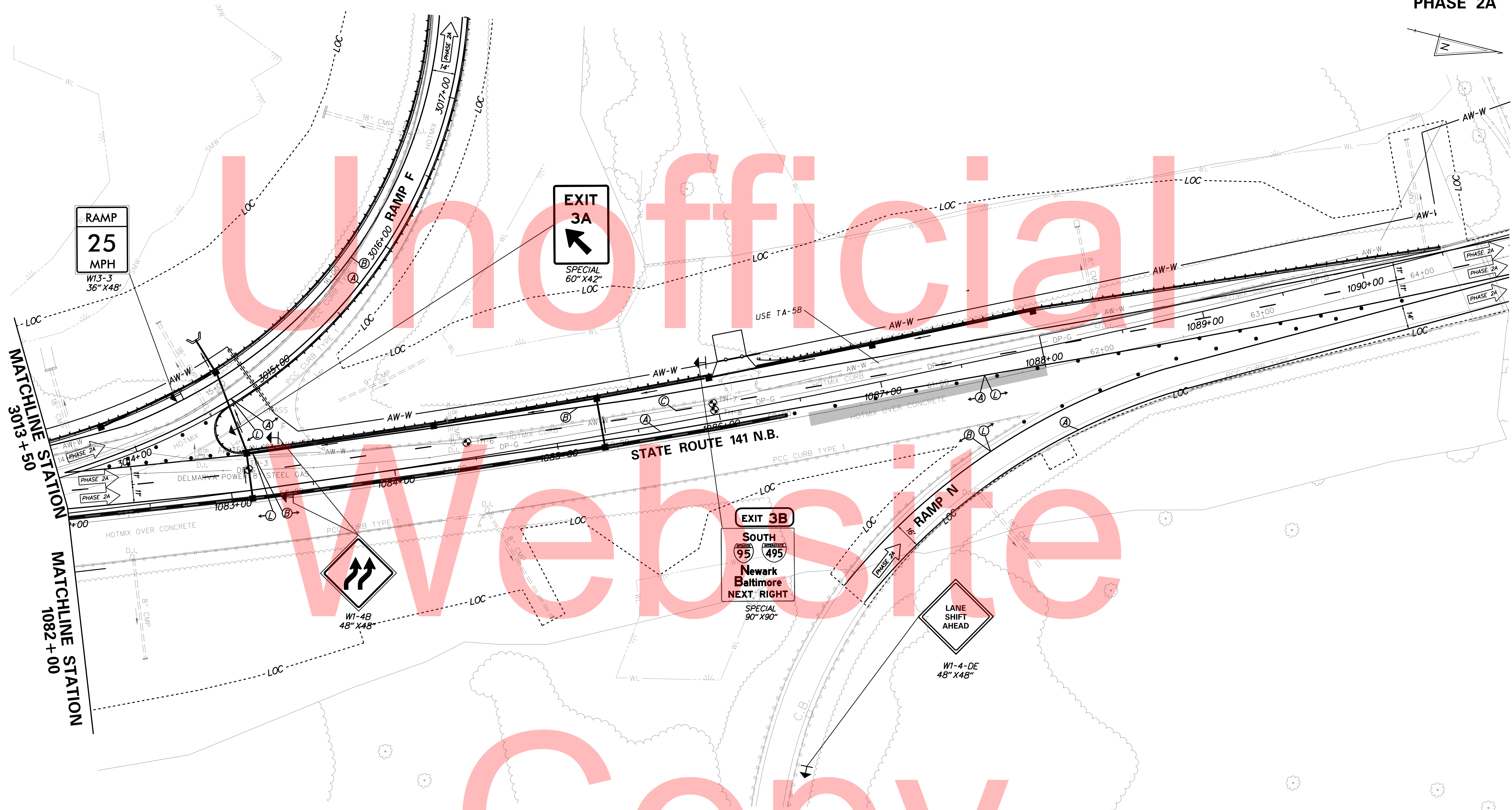


I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2A

CS-43	SHEET NO.	271
	TOTAL SHTS.	481



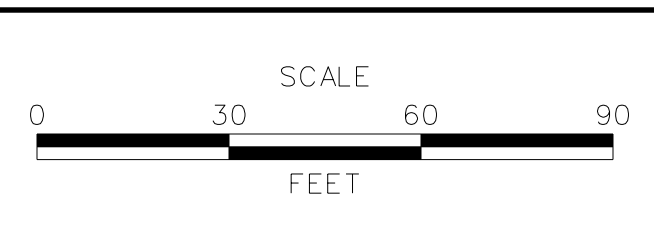
Unofficial Website Copy

PLOTTED BY: MONTE DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1\95_AND_SR_141\INTE\CADD\CS00_PHASE2A.DGN [SHEET: CS-02A-06]

NOTE:
1. CONSTRUCT PORTION OF SR 141 N.B. DURING WEEKEND CLOSURE. SHIFT TO ONE (1) LANE ALONG SR 141.



ADDENDUMS / REVISIONS	

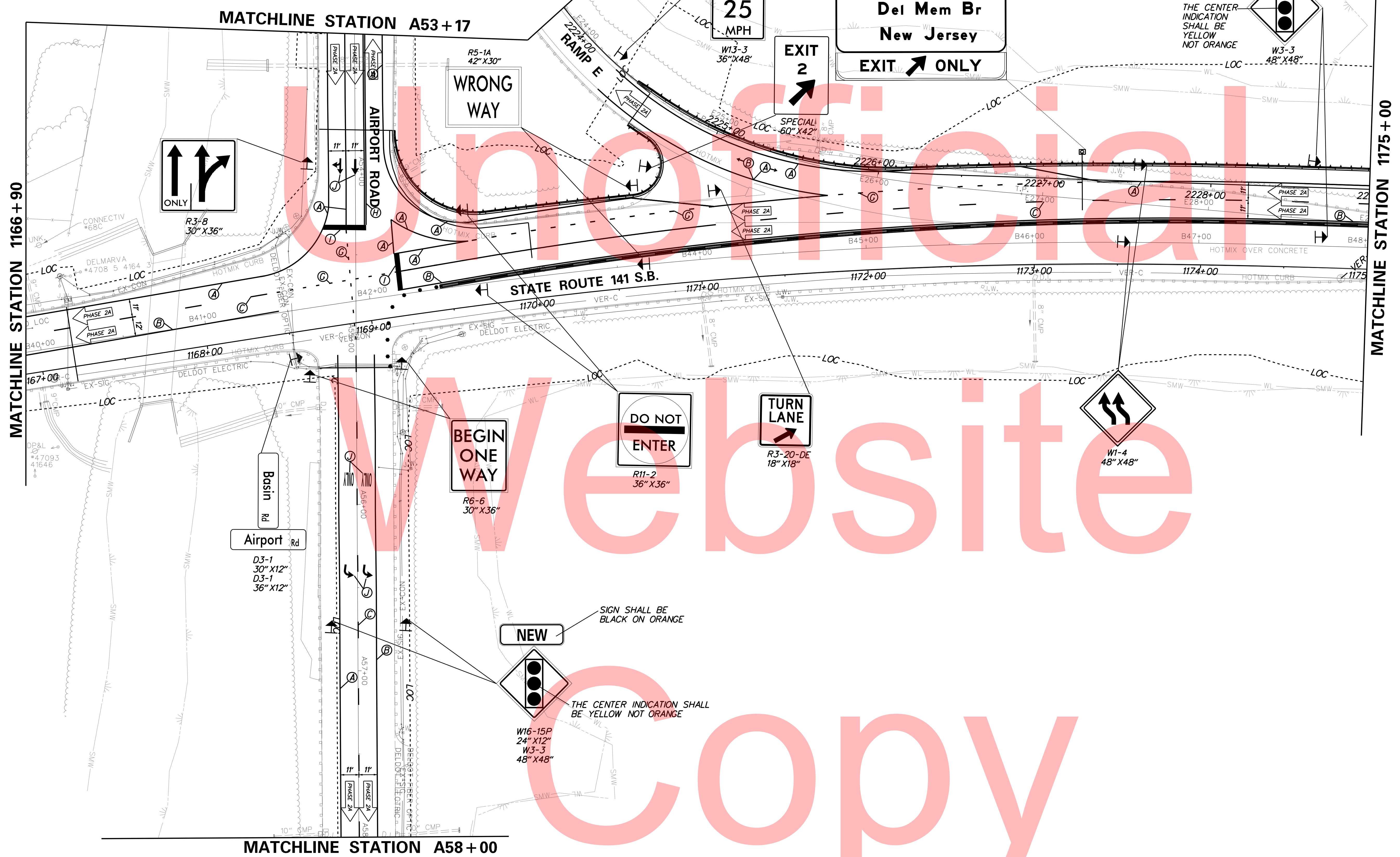


I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2A

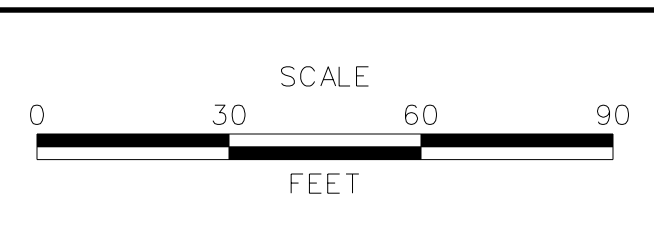
CS-44
SHEET NO.
272
TOTAL SHTS.
481



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2A.DGN [SHEET: CS_02A_09]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



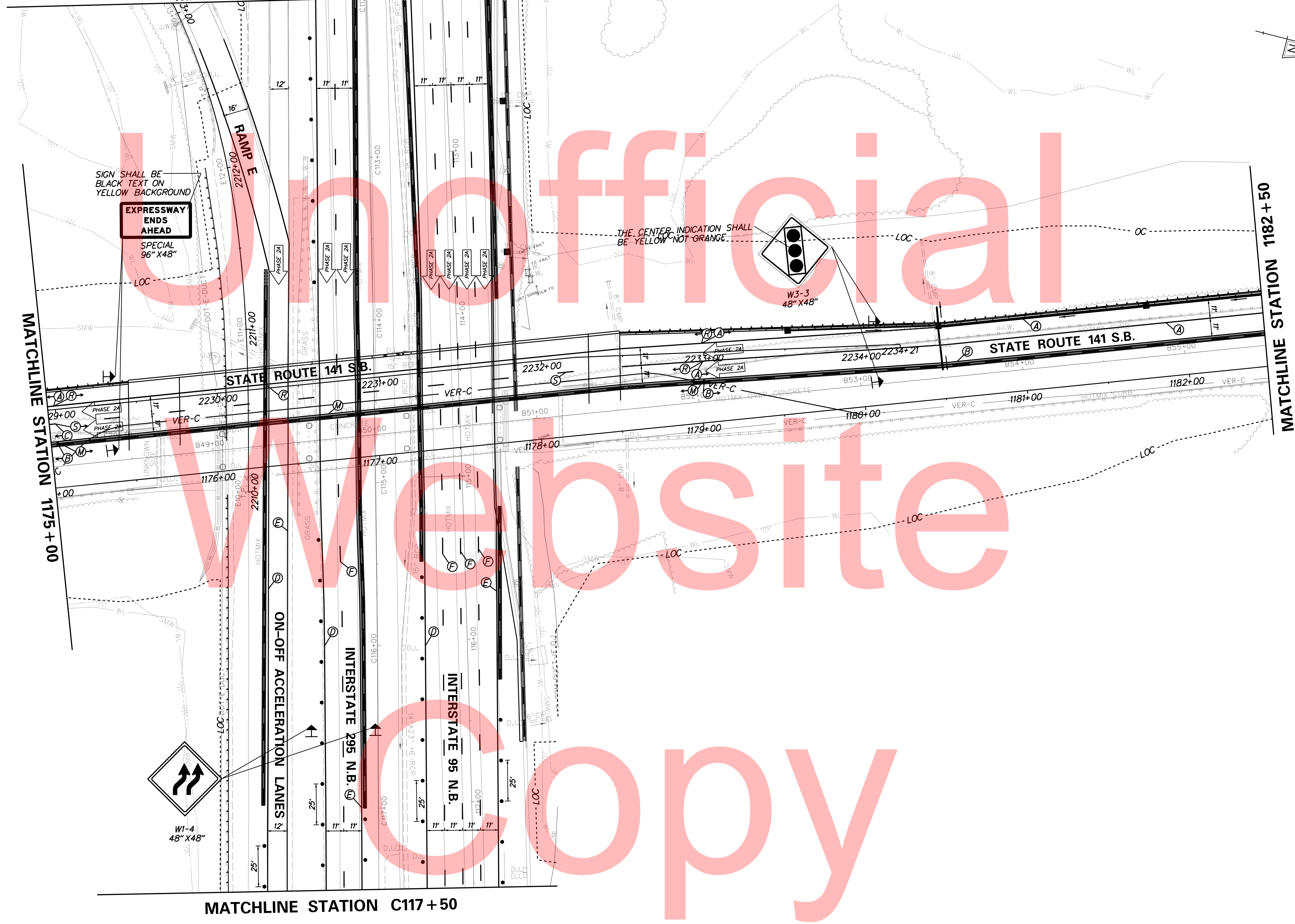
**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2A**

CS-45
SHEET NO.
273
TOTAL SHTS.
481

MATCHLINE STATION C112 + 00

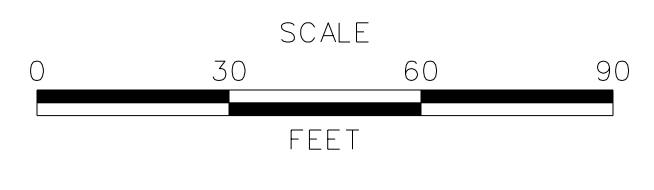


MATCHLINE STATION C117 + 50

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2A.DGN [SHEET: CS_02A_10]



ADDENDUMS / REVISIONS

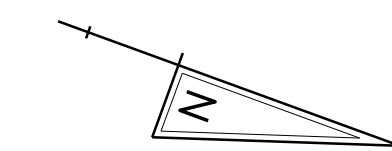


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2A**

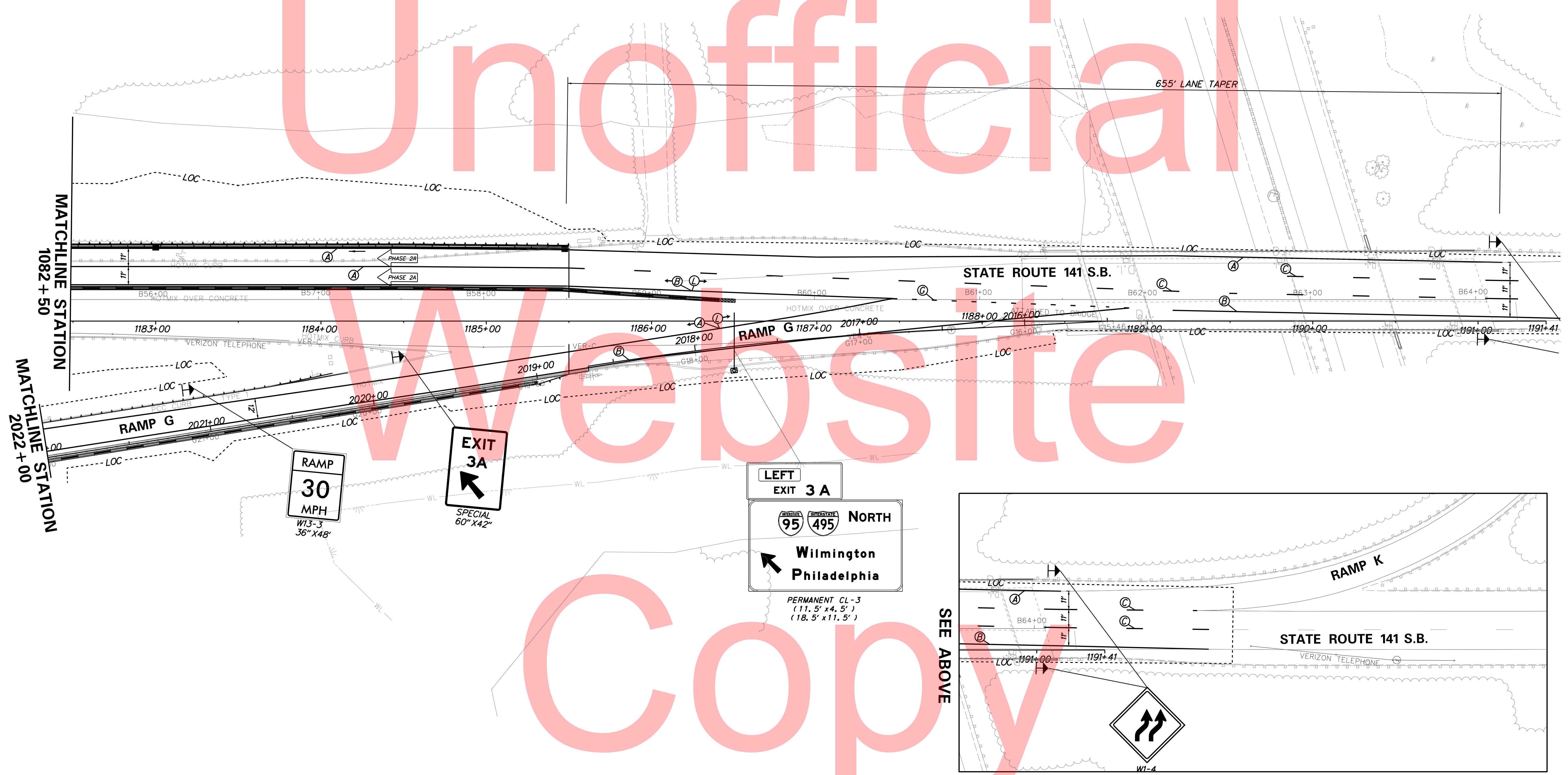
CS-46
SHEET NO.
274
TOTAL SHTS.
481



Unofficial

Website

Copy



RAMP
30
MPH
W13-3
36" X 48"

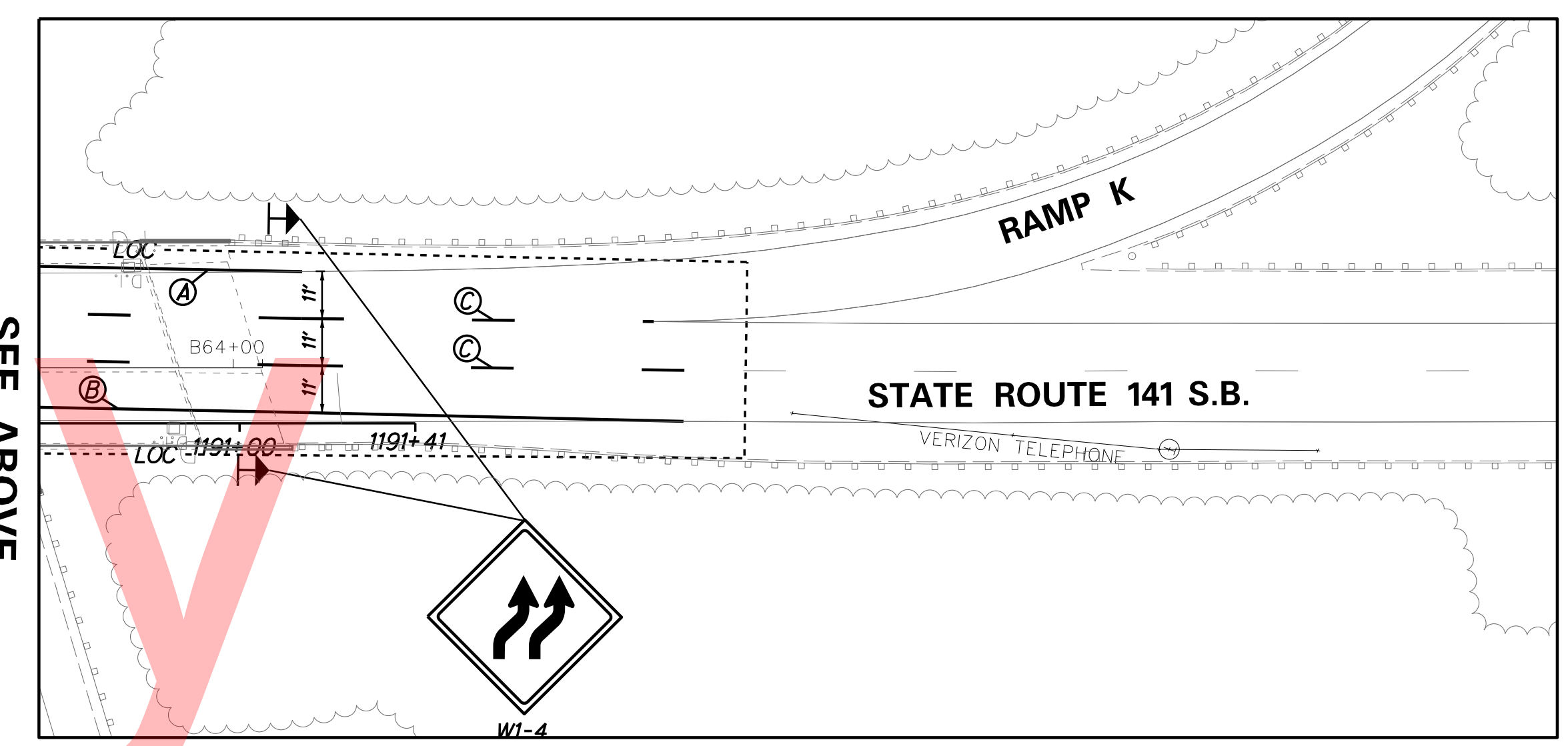
EXIT
3A
SPECIAL
60" X 42"

LEFT
EXIT 3A

95 **495** **NORTH**

Wilmington
Philadelphia

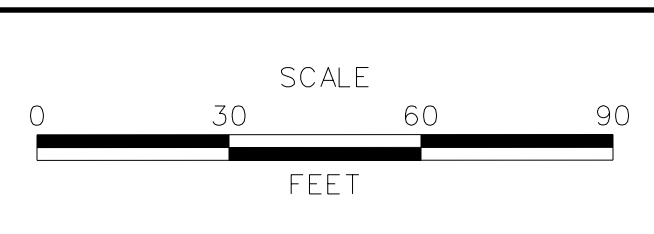
PERMANENT CL-3
(11.5' x 4.5')
(18.5' x 11.5')



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2A.DGN SHEET: CS-02A_11



ADDENDUMS / REVISIONS



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2A**

CS-47
SHEET NO.
275
TOTAL SHTS.
481

SEQUENCE OF CONSTRUCTION

PHASE 2

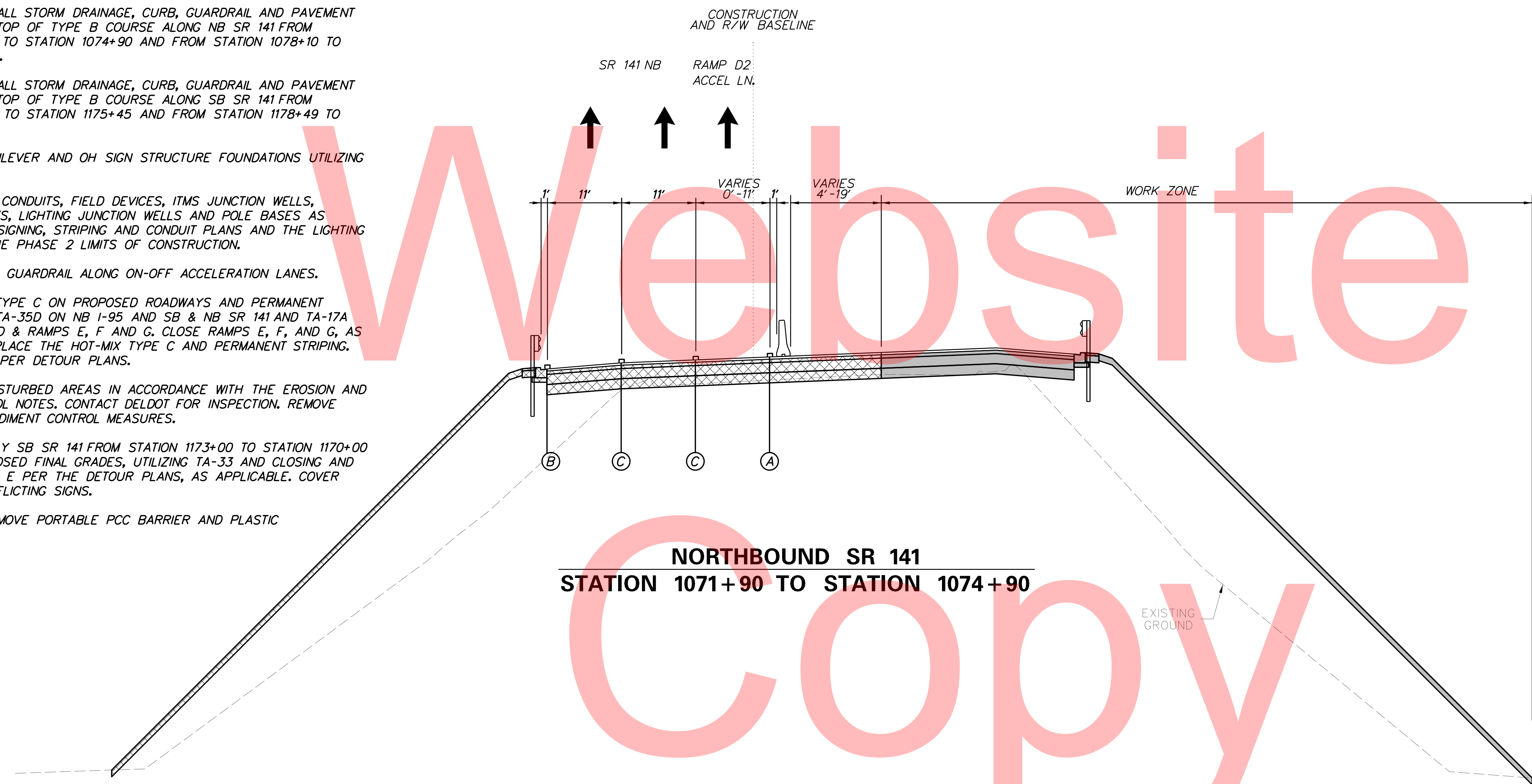
NOTE: PHASE 2 CANNOT START UNTIL AFTER RAMP D-2 IS OPEN AND PHASE 2 PIER DEMO STAGE II WORK IS COMPLETE.

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

- 1 REMOVE EXISTING STRIPING AS NECESSARY USING TA-35. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 2 TRAFFIC CONTROL.
- 2 INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AS SHOWN. ALSO, UNTIL THE RIPRAP OUTFALLS ARE IN PLACE, THE SUPER SILT FENCE MUST ENCLOSE THE WORK AREA. AFTER THE RIPRAP IS PLACED, TIE THE SUPER SILT FENCE INTO THE RIPRAP AS SHOWN.
- 3 CLEAR AND GRUB AS NECESSARY AND STOCKPILE TOPSOIL.
- 4 PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES ON I-95/I-295 AS SHOWN ON GIRDER REMOVAL TYPICAL SECTIONS AND DEMO PORTION OF EXISTING BR 675 AND BR 678 PER BRIDGE PLANS. REFER TO CS-129 THROUGH CS-187 FOR GIRDER REMOVAL, PIER DEMO AND GIRDER PLACEMENT PLANS. CONSTRUCT PORTION OF BR 675 AND BR 678 SUBSTRUCTURE AND SUPERSTRUCTURE PER BRIDGE PLANS. DETOUR NB I-95 AND I-295 TRAFFIC PER DETOUR PLANS REMOVE ANY EXISTING SIGNS ATTACHED TO THE EXISTING BR 675 & BR 678.
- 5 REMOVE EXISTING STRIPING AS NECESSARY USING TA-35 ON I-95/I-295 AND PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. PLACE TEMPORARY PAVEMENT STRIPING USING TA-35D AS SHOWN UNDER PHASE 2 TRAFFIC CONTROL. CONSTRUCT PORTION OF BR 675 AND BR 678 SUBSTRUCTURE AND SUPERSTRUCTURE PER BRIDGE PLANS. DETOUR NB I-95 AND I-295 TRAFFIC PER DETOUR PLANS.
- 6 GRADE AND INSTALL STORM DRAINAGE, CURB, GUARDRAIL AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE ALONG NB SR 141 FROM STATION 1071+90 TO STATION 1074+90 AND FROM STATION 1078+10 TO STATION 1088+00.
- 7 GRADE AND INSTALL STORM DRAINAGE, CURB, GUARDRAIL AND PAVEMENT SECTION UP TO TOP OF TYPE B COURSE ALONG SB SR 141 FROM STATION 1169+25 TO STATION 1175+45 AND FROM STATION 1178+49 TO STATION 1185+50.
- 8 CONSTRUCT CANTILEVER AND OH SIGN STRUCTURE FOUNDATIONS UTILIZING TA-5A.
- 9 CONSTRUCT ITMS CONDUITS, FIELD DEVICES, ITMS JUNCTION WELLS, LIGHTING CONDUITS, LIGHTING JUNCTION WELLS AND POLE BASES AS SHOWN ON THE SIGNING, STRIPING AND CONDUIT PLANS AND THE LIGHTING PLANS WITHIN THE PHASE 2 LIMITS OF CONSTRUCTION.
- 10 REMOVE EXISTING GUARDRAIL ALONG ON-OFF ACCELERATION LANES.
- 11 PLACE HOT-MIX TYPE C ON PROPOSED ROADWAYS AND PERMANENT STRIPING USING TA-35D ON NB I-95 AND SB & NB SR 141 AND TA-17A ON AIRPORT ROAD & RAMPS E, F AND G. CLOSE RAMPS E, F, AND G, AS NECESSARY TO PLACE THE HOT-MIX TYPE C AND PERMANENT STRIPING. INSTALL DETOUR PER DETOUR PLANS.
- 12 STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES. CONTACT DELDOT FOR INSPECTION. REMOVE EROSION AND SEDIMENT CONTROL MEASURES.
- 13 MILL AND OVERLAY SB SR 141 FROM STATION 1173+00 TO STATION 1170+00 TO MATCH PROPOSED FINAL GRADES, UTILIZING TA-33 AND CLOSING AND DETOURING RAMP E PER THE DETOUR PLANS, AS APPLICABLE. COVER OR REMOVE CONFLICTING SIGNS.
- 14 USING TA-35 REMOVE PORTABLE PCC BARRIER AND PLASTIC DRUMS.

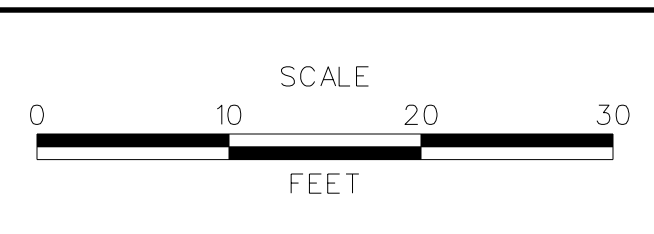
MAINTENANCE OF TRAFFIC LEGEND

- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- 4" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 6" WHITE TEMPORARY PAVEMENT STRIPING
- 6" YELLOW TEMPORARY PAVEMENT STRIPING
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- 16" WHITE TEMPORARY PAVEMENT STRIPING
- WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- 8" WHITE TEMPORARY PAVEMENT STRIPING
- 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- 4" SKIP YELLOW TEMPORARY STRIPING



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141\INTE\CADD\CS00_PHASE2.DGN [SHEET: CS-TS01]

ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

PHASE 2

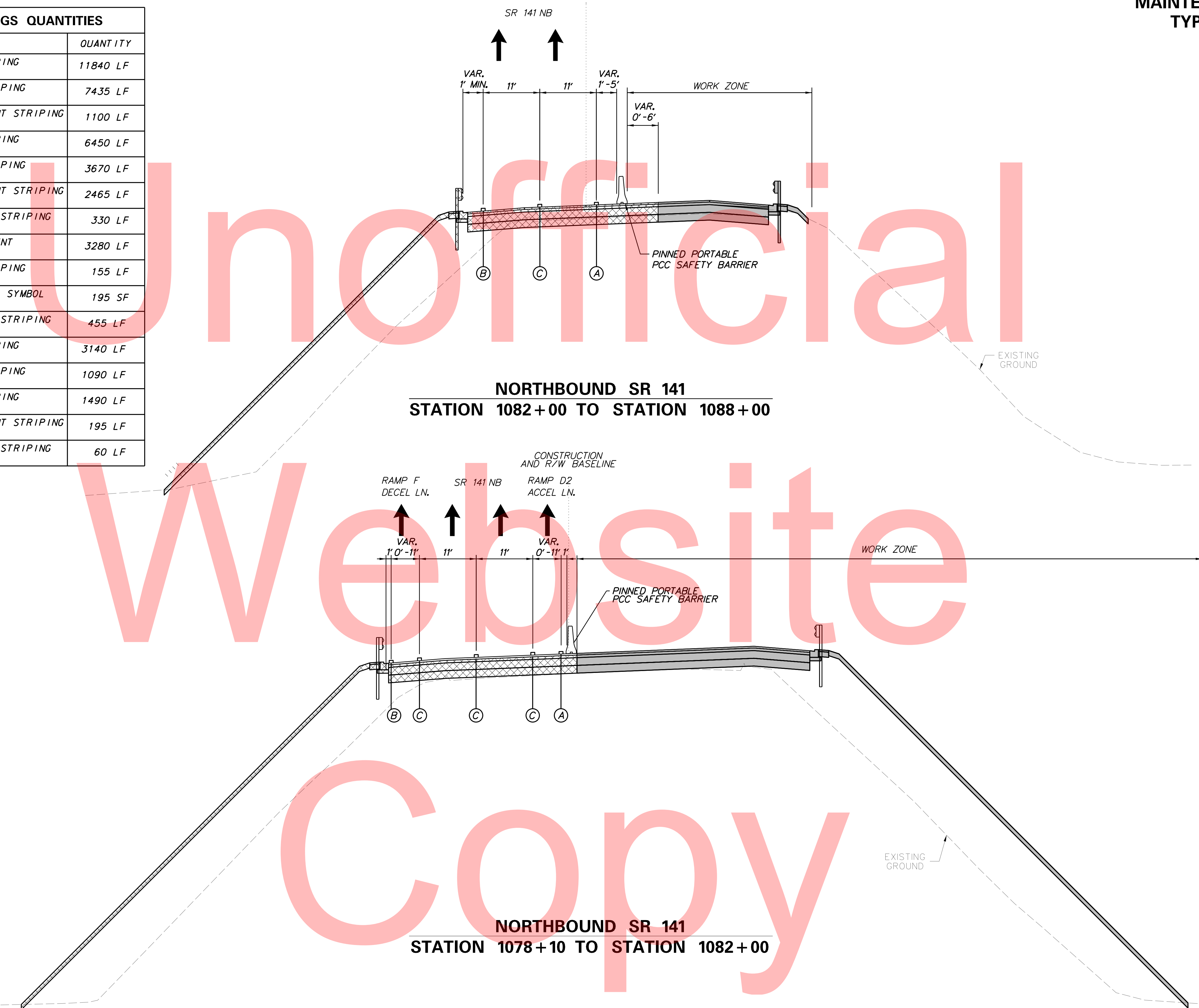
CONSTRUCTION AND R/W BASELINE

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

TEMPORARY PAVEMENT MARKINGS QUANTITIES		
SYMBOL	ITEM	QUANTITY
(A)	4" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	11840 LF
(B)	4" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	7435 LF
(C)	4" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	1100 LF
(D)	6" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	6450 LF
(E)	6" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748020)	3670 LF
(F)	6" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	2465 LF
(G)	4" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	330 LF
(H)	4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748019)	3280 LF
(I)	16" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	155 LF
(J)	WHITE TEMPORARY PAVEMENT STRIPING SYMBOL (ITEM 748026)	195 SF
(K)	6" SKIP WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	455 LF
(L)	8" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	3140 LF
(M)	4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	1090 LF
(R)	4" WHITE TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	1490 LF
(S)	4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	195 LF
(T)	4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE (ITEM 748525)	60 LF

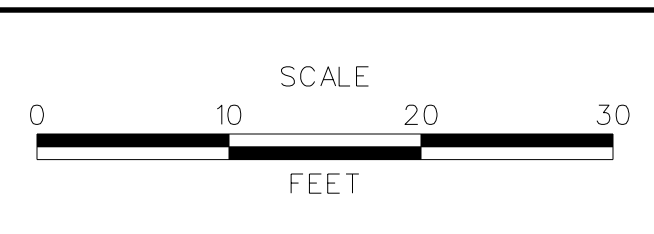
**NORTHBOUND SR 141
STATION 1082+00 TO STATION 1088+00**

**NORTHBOUND SR 141
STATION 1078+10 TO STATION 1082+00**



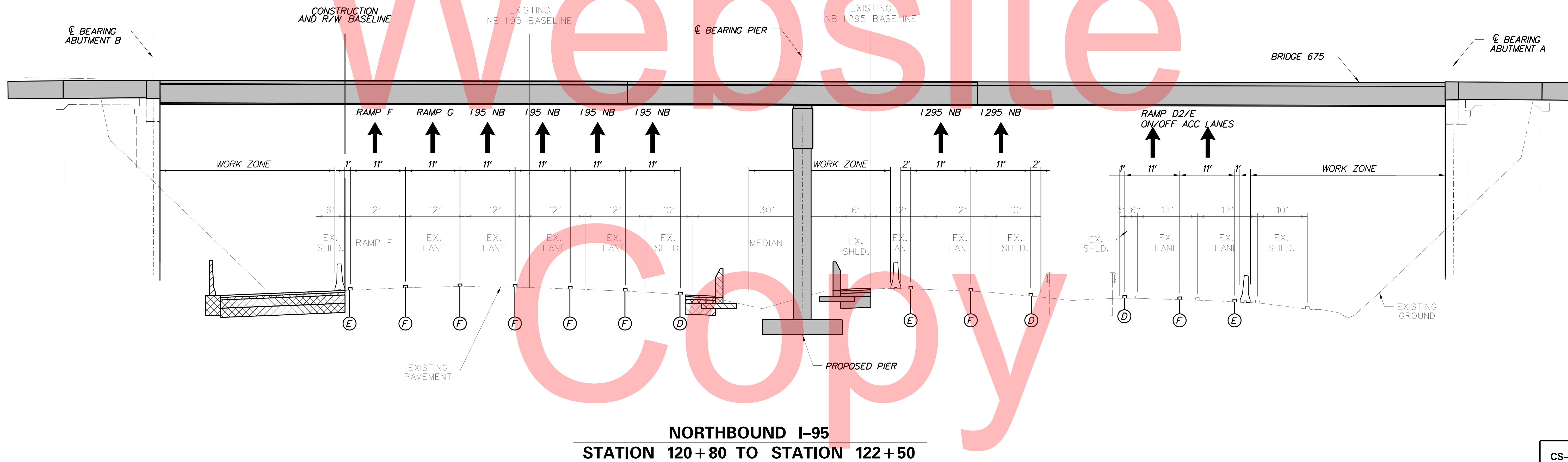
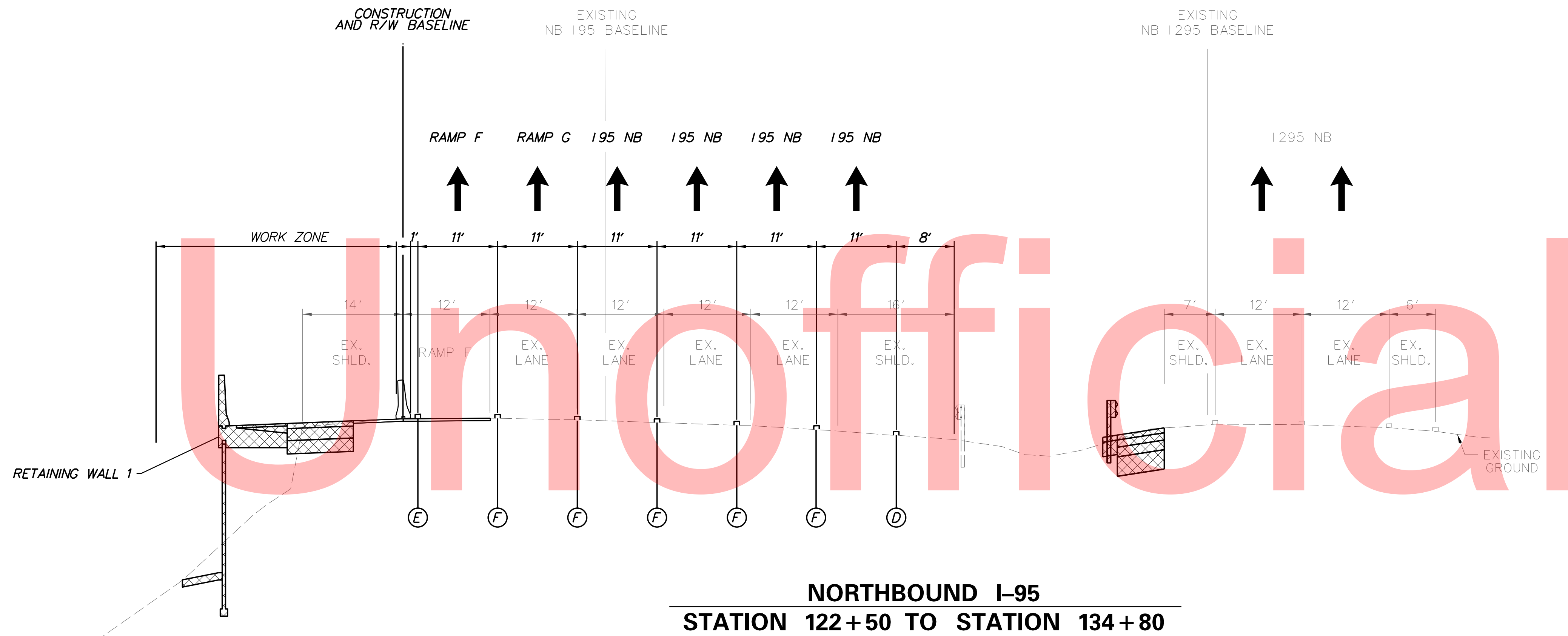
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ADDENDUMS / REVISIONS

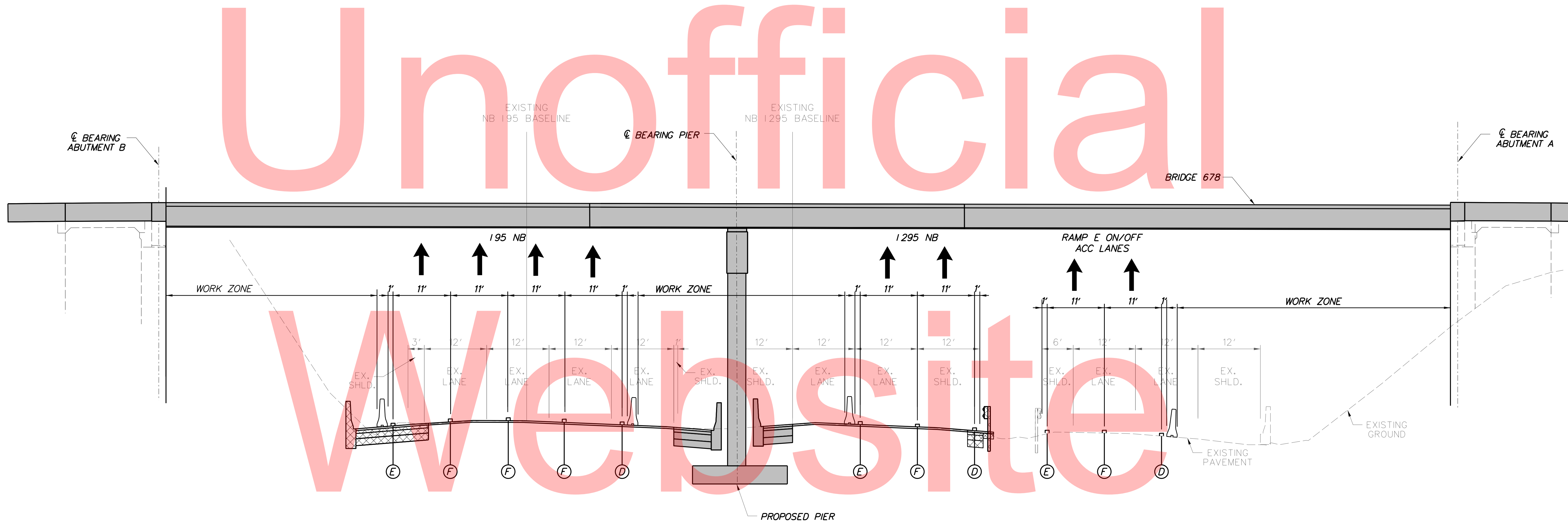


CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
PHASE 2**



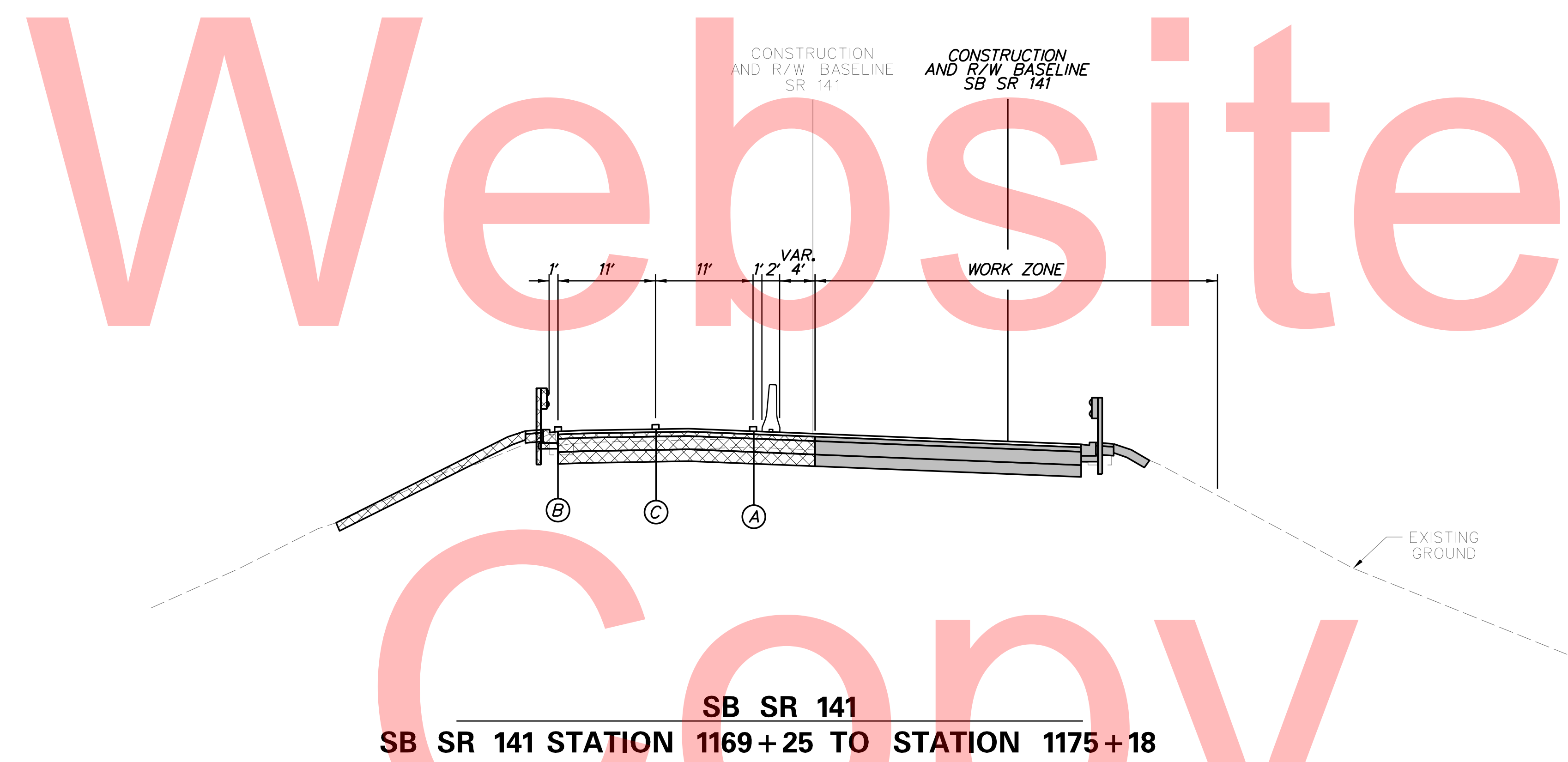
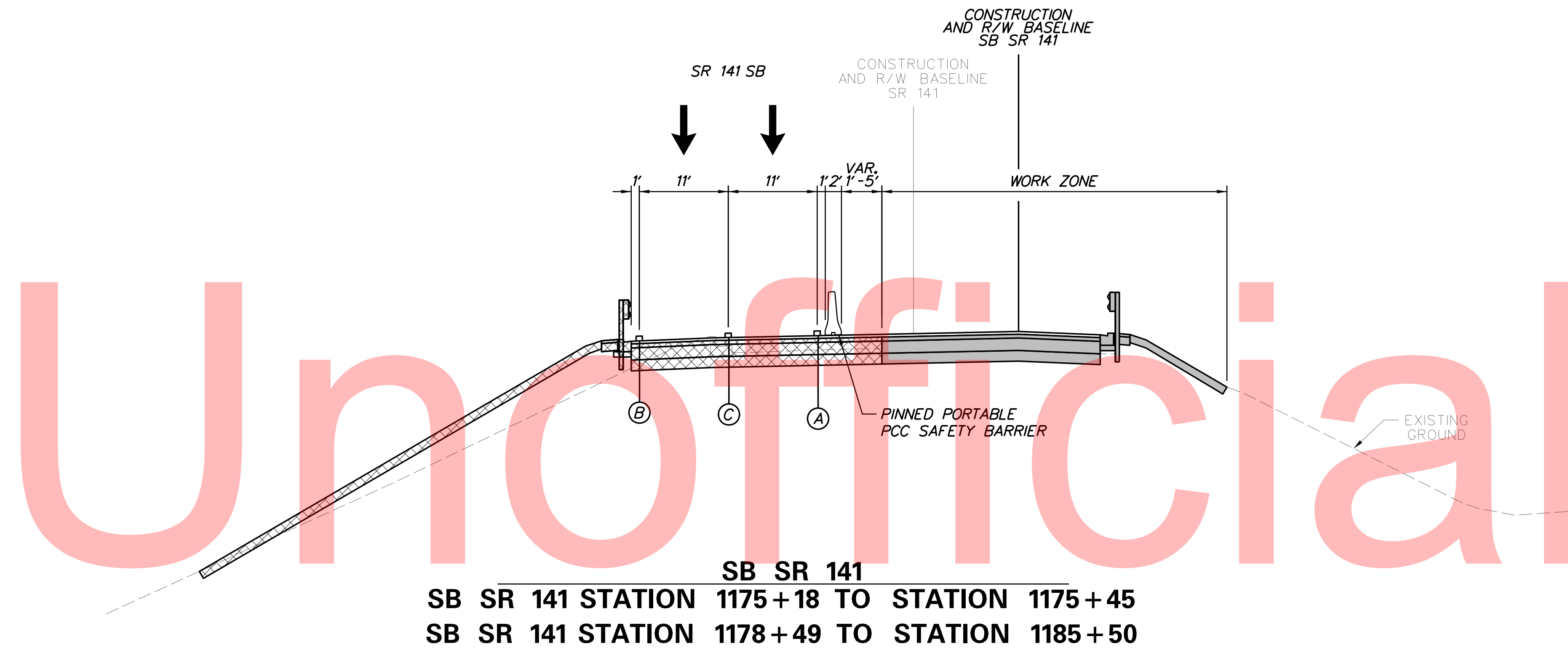
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NB I-95, I-295 & ON-OFF ACCELERATION LANES
STATION 114+10 TO STATION 115+10

Copy

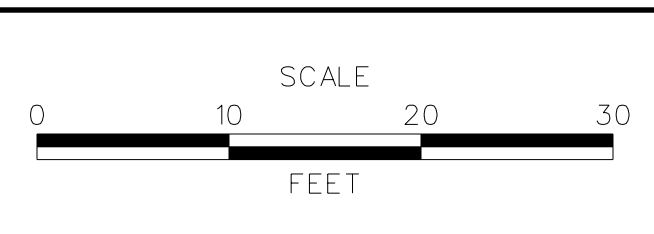
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FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2.DGN [SHEET: CS-TS04]



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ADDENDUMS / REVISIONS	

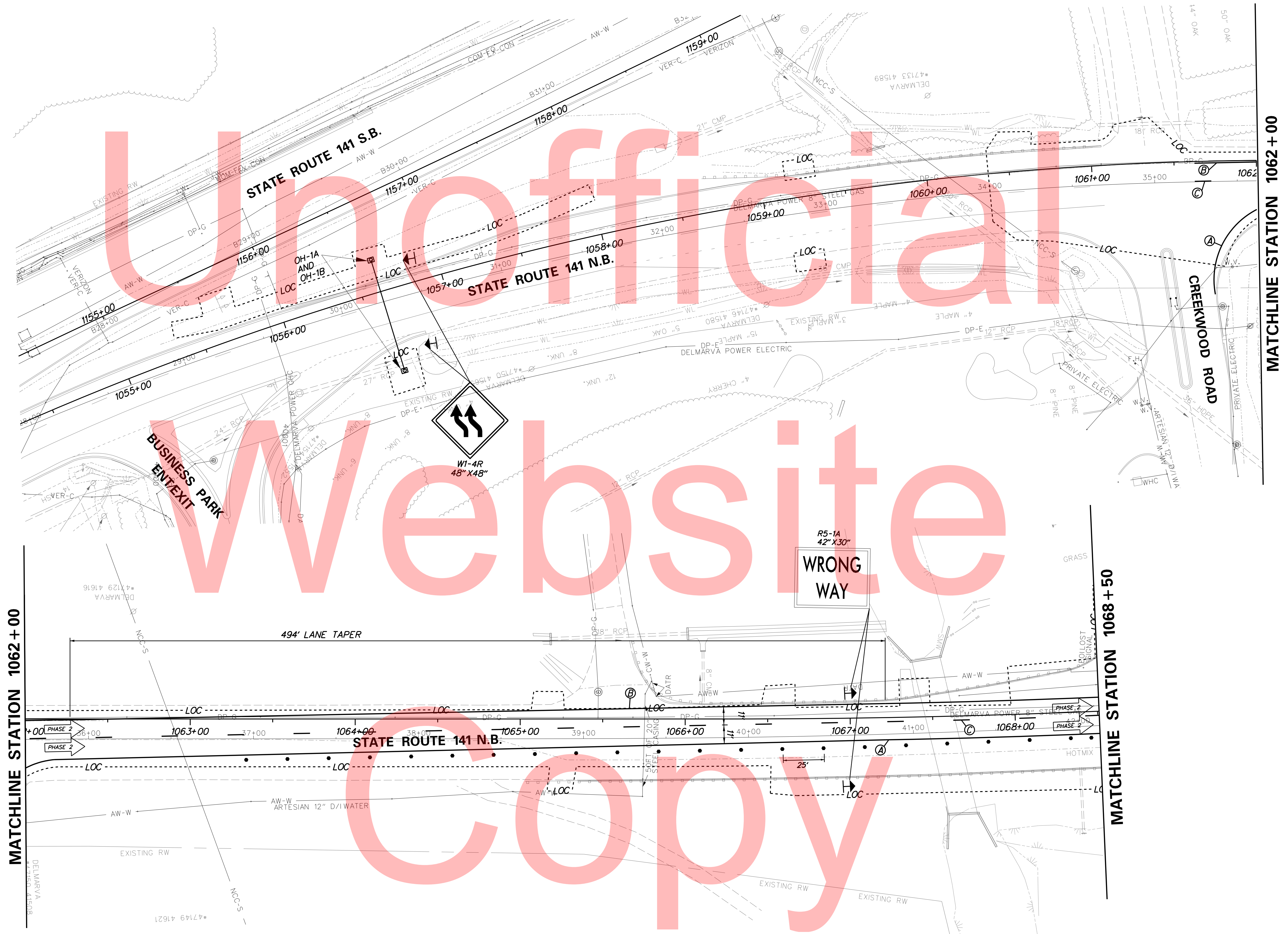


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-52
SHEET NO.
280
TOTAL SHTS.
481

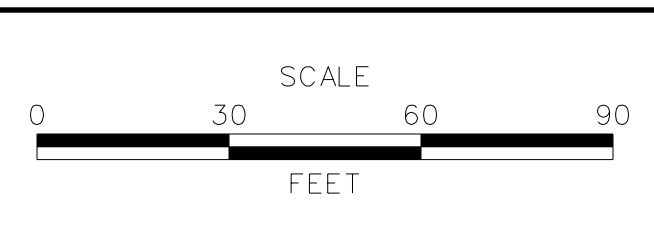


Unofficial
 Website
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PLOTTED BY: MONTES DATE: 2/27/2015
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ADDENDUMS / REVISIONS	

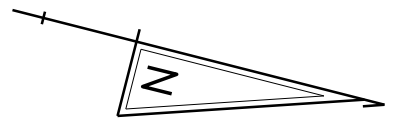


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-53
SHEET NO.
281
TOTAL SHTS.
481

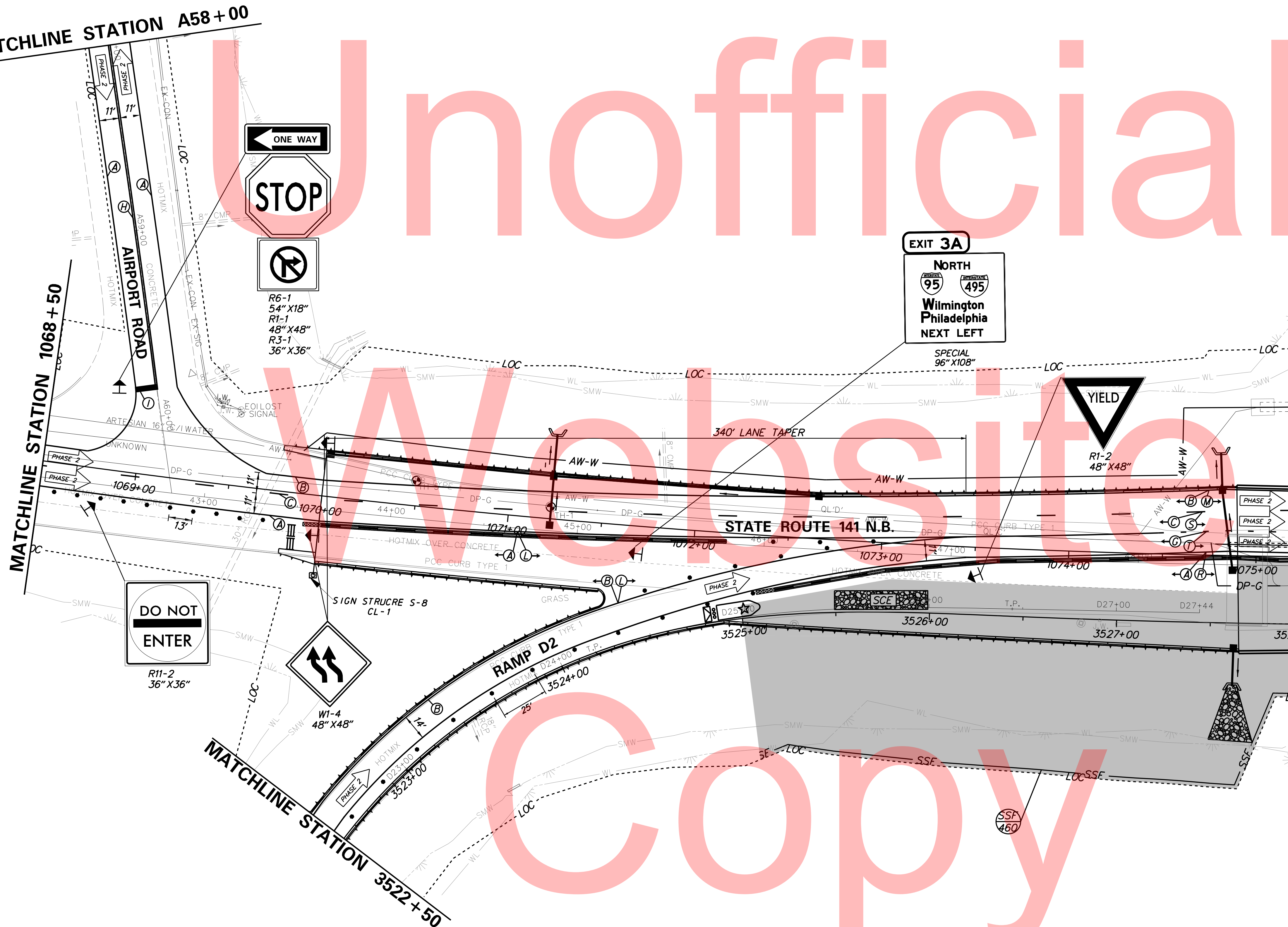


MATCHLINE STATION A58+00

MATCHLINE STATION 1068+50

MATCHLINE STATION 1075+20

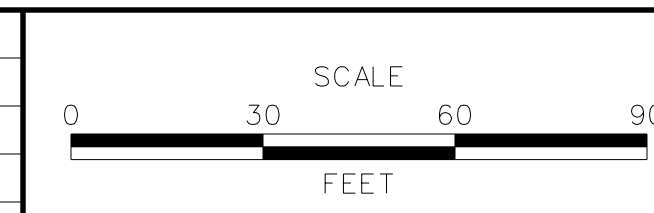
MATCHLINE STATION 3522+50



PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE2.DGN [SHEET: CS-02_04]

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

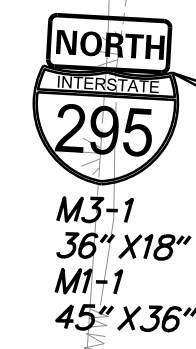
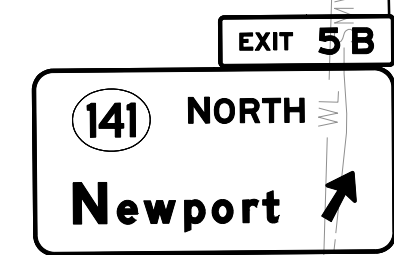


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

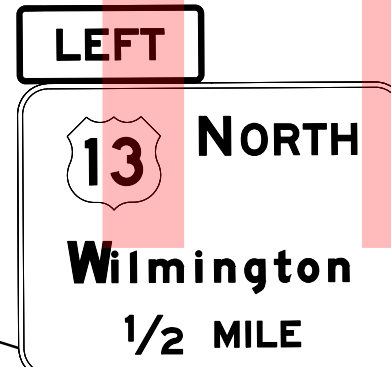
CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

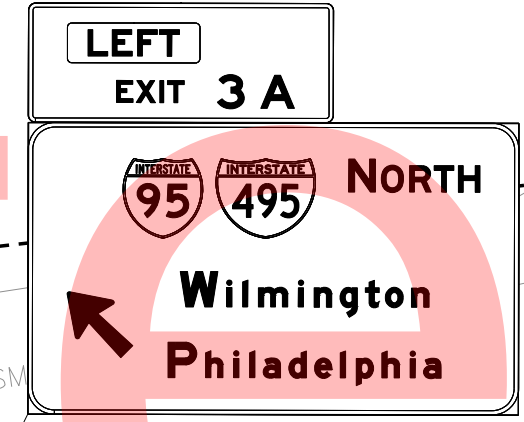
CS-54	
SHEET NO.	282
TOTAL SHTS.	481



SIGN STRUCTURE S-6
OH-4A - OH-4D



SIGN STRUCTURE S-6
OH-4A - OH-4D

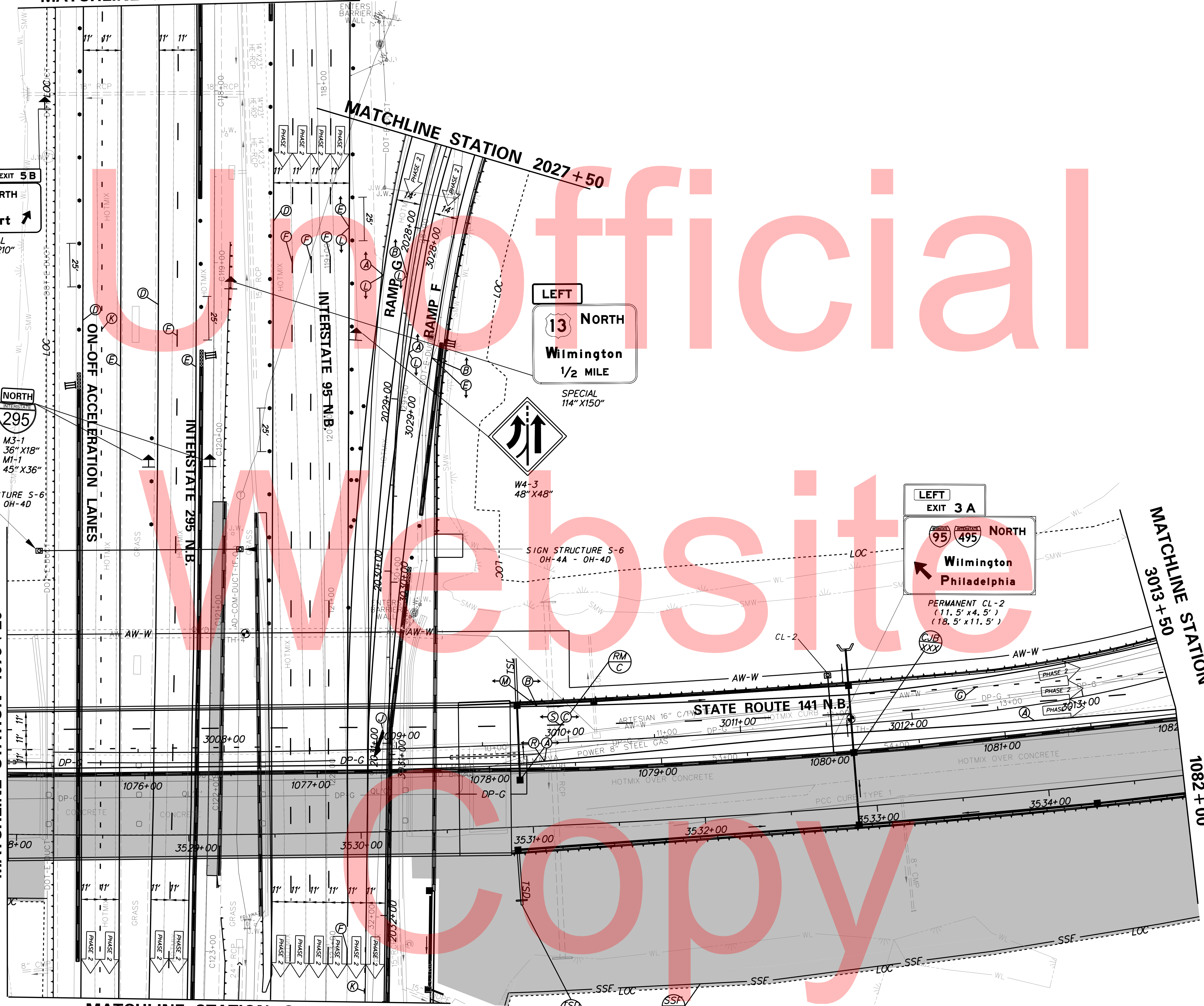


MATCHLINE STATION 1075 + 20

MATCHLINE STATION C123 + 28

MATCHLINE STATION 2027 + 50

MATCHLINE STATION 3013 + 50
MATCHLINE STATION 1082 + 00



DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS_02_05]

MATCHLINE STATION C123 + 28

ADDENDUMS / REVISIONS



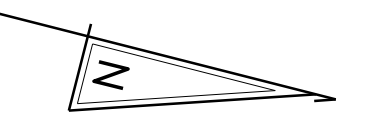
I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

CS-55	SHEET NO.	283
	TOTAL SHTS.	481





MATCHLINE STATION 3018 + 00

MATCHLINE STATION 1088 + 00

MATCHLINE STATION 3013 + 50

MATCHLINE STATION 1082 + 00

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EXIT 3A
←

SPECIAL 60" X 42"

RAMP
25
MPH
W13-3
36" X 48"

RAMP F

SEE NOTE 1

STATE ROUTE 141 N.B.

EXIT 3B
SOUTH
95 495
Newark
Baltimore
NEXT RIGHT
SPECIAL 90" X 90"

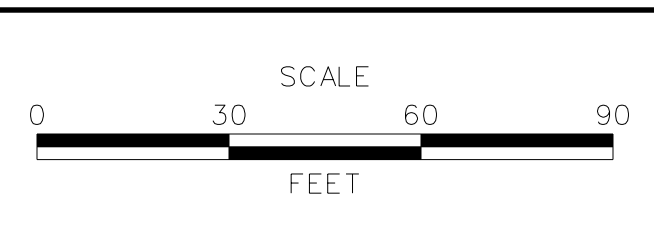
LANE SHIFT AHEAD
W1-4-DE
48" X 48"

W1-4B
48" X 48"

DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN
SHEET: CS_02_06



ADDENDUMS / REVISIONS	

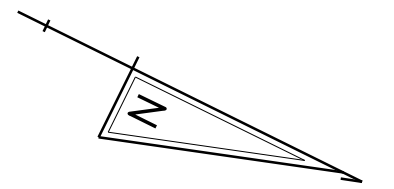


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

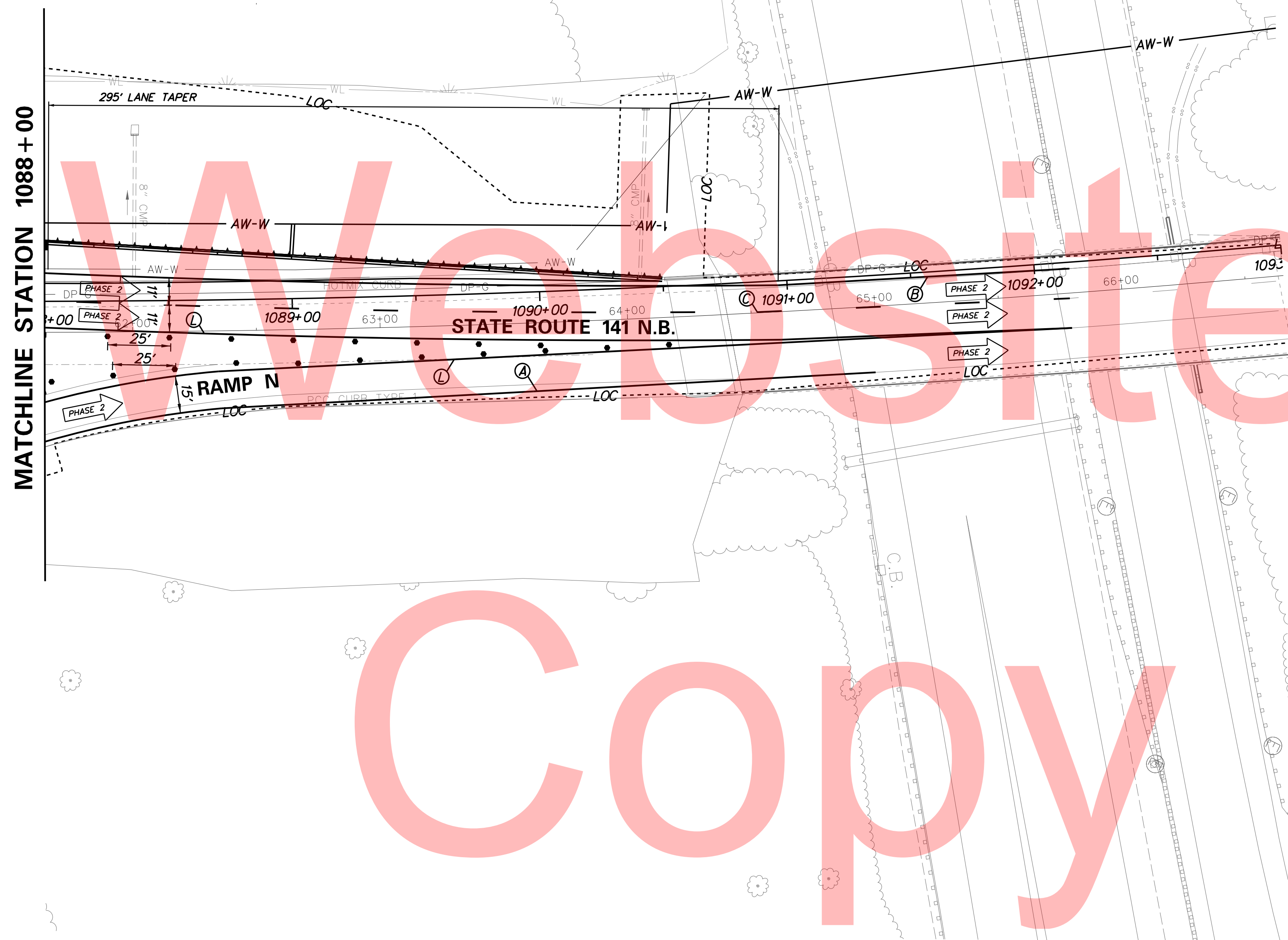
CONTRACT T201109002	BRIDGE NO. 675 / 678
COUNTY NEW CASTLE	DESIGNED BY: KN/JDS
	CHECKED BY: BPH

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

CS-56
SHEET NO. 284
TOTAL SHTS. 481



Unofficial

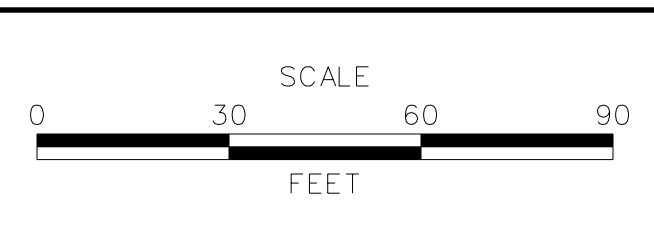


PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS-02-07]

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ADDENDUMS / REVISIONS	

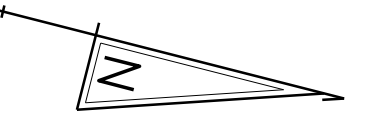


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

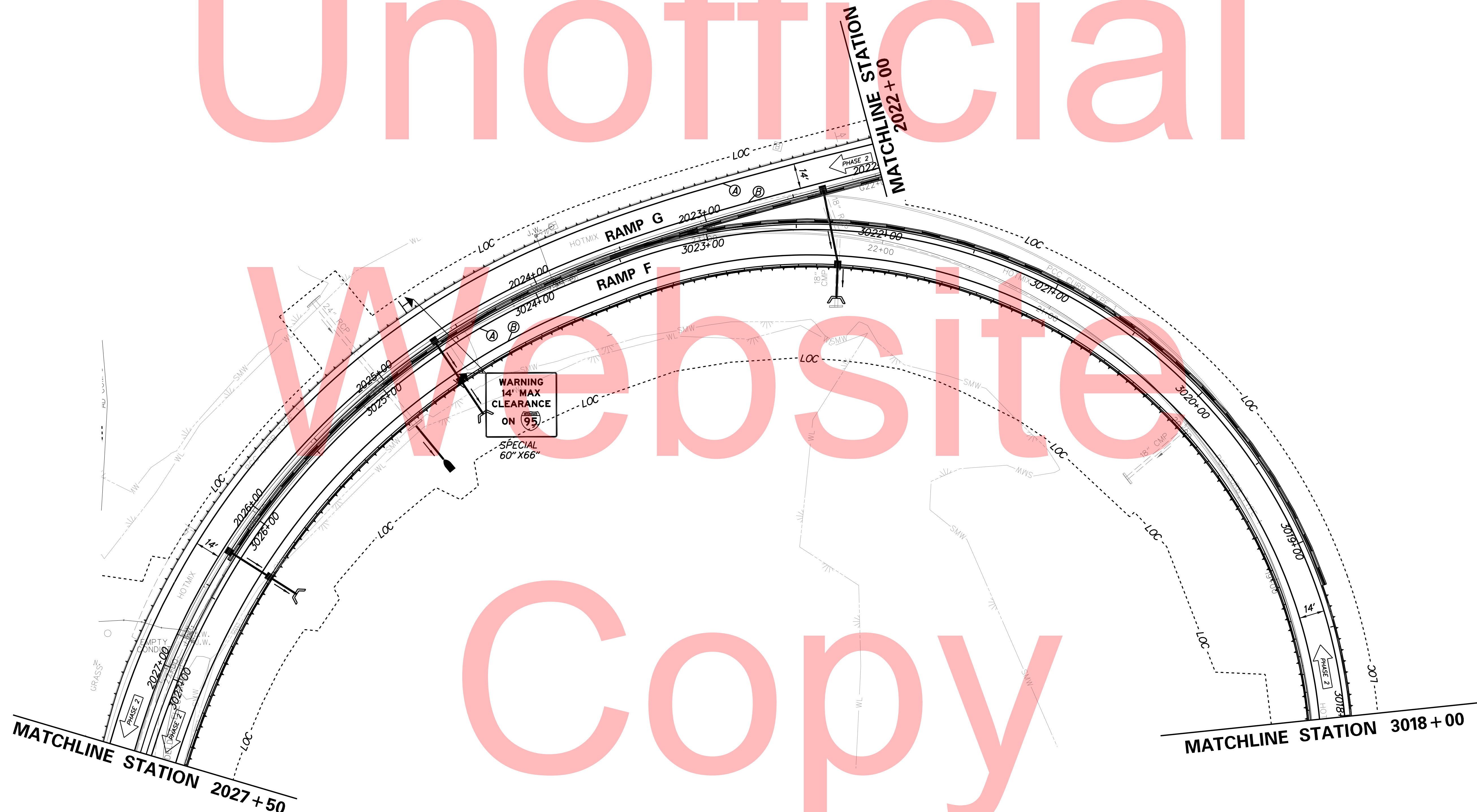
CS-57
SHEET NO.
285
TOTAL SHTS.
481



Unofficial

Website

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DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272-020-1-95-AND-SR-141-INT\CSADD\CS000_PHASE2.DGN [SHEET: CS-02-08]

PLOTTED BY: MONTES



ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

CS-58
SHEET NO.
286
TOTAL SHTS.
481

EXIT 2

INTERSTATE 295 NORTH
 Del Mem Br
 New Jersey
 EXIT ONLY

RAMP
 25
 MPH
 W13-3
 36" X 48"

EXIT 2

THE CENTER INDICATION SHALL BE YELLOW NOT ORANGE
 W3-3
 48" X 48"

MATCHLINE STATION A53 + 17

MATCHLINE STATION 1175 + 00

MATCHLINE STATION 1166 + 90

MATCHLINE STATION A58 + 00

WRONG WAY

DO NOT ENTER
 R11-2
 36" X 36"

TURN LANE
 R3-20-DE
 18" X 18"

W1-4
 48" X 48"

W6-3
 48" X 48"

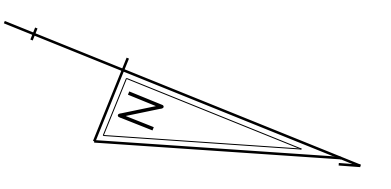
SIGNS SHALL BE BLACK ON ORANGE

STOP SIGN SHALL BE RED

W3-1
 48" X 48"

Basin Rd
 Airport Rd
 YIELD
 D3-1
 30" X 12"
 D3-1
 36" X 12"
 R1-2
 48" X 48"

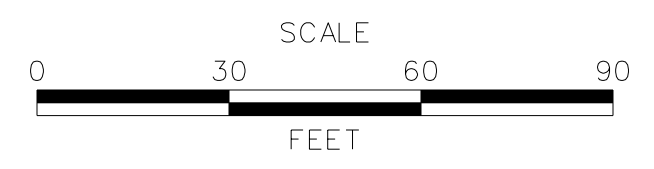
PERMANENT CL-4
(9.5' x 2.5')
(15' x 12.5')



PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS_02_09]



ADDENDUMS / REVISIONS	



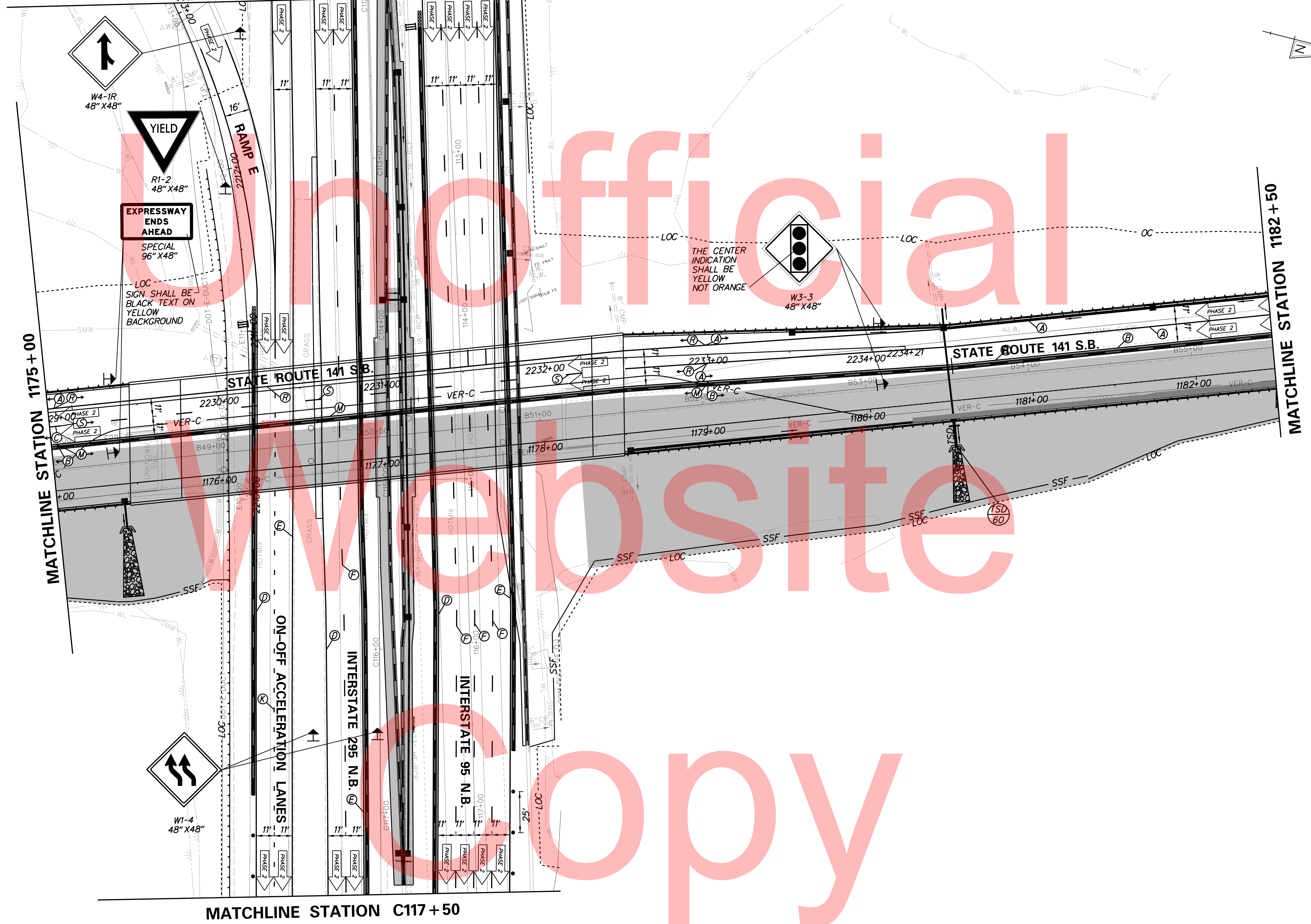
I-95 AND SR 141 INTERCHANGE,
 RAMP G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
 M.O.T., AND EROSION
 CONTROL PLAN - PHASE 2

CS-59
SHEET NO.
287
TOTAL SHTS.
481

MATCHLINE STATION C112+00



MATCHLINE STATION C117+50

MATCHLINE STATION 1175+00

MATCHLINE STATION 1182+50

DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN
SHEET: CS-02_10_1

PLOTTED BY: MONTES



ADDENDUMS / REVISIONS

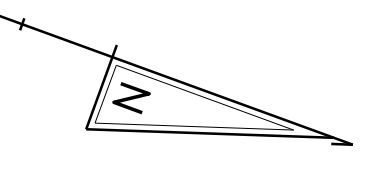


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

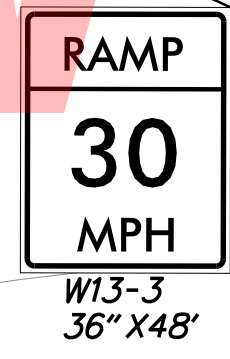
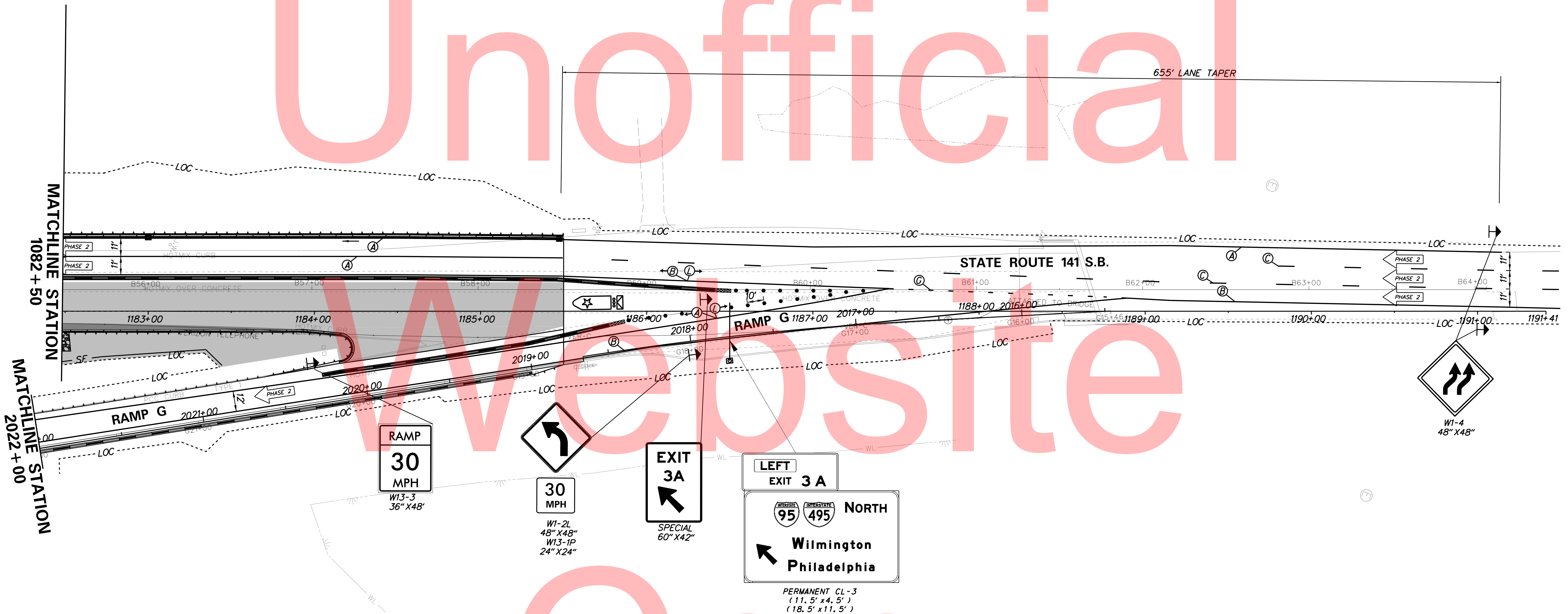
CS-60
SHEET NO.
288
TOTAL SHTS.
481



Unofficial

Website

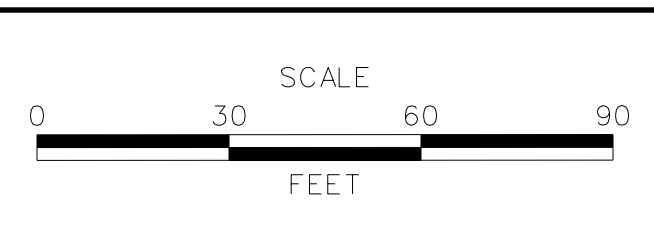
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ADDENDUMS / REVISIONS	

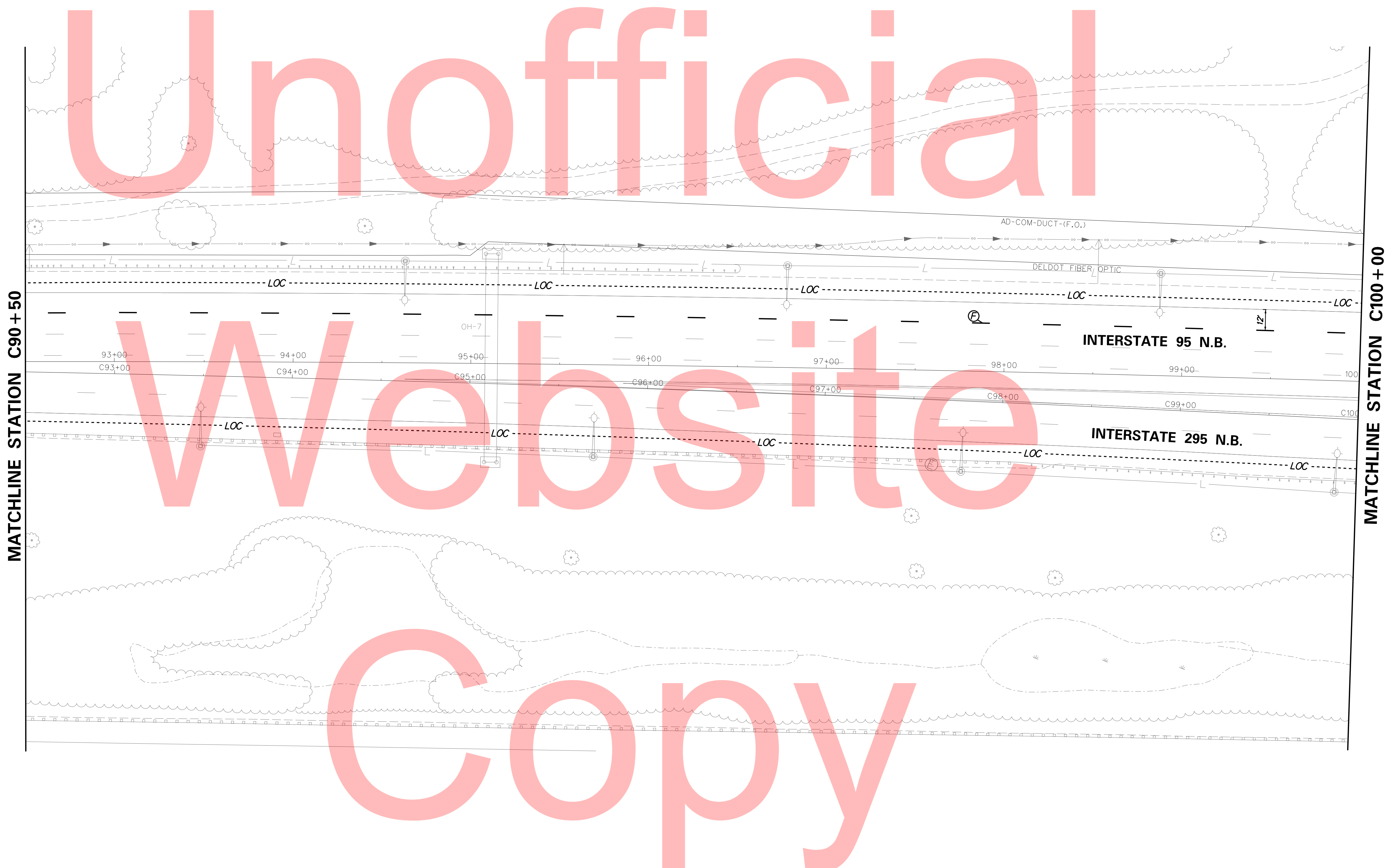


I-95 AND SR 141 INTERCHANGE, RAMPS G & F IMPROVEMENTS

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2

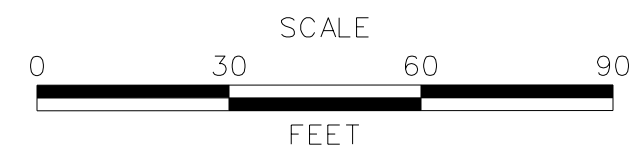
CS-61
SHEET NO.
289
TOTAL SHTS.
481



PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS_02_14 1]



ADDENDUMS / REVISIONS	



I-95 AND SR 141 INTERCHANGE, RAMP G & F IMPROVEMENTS

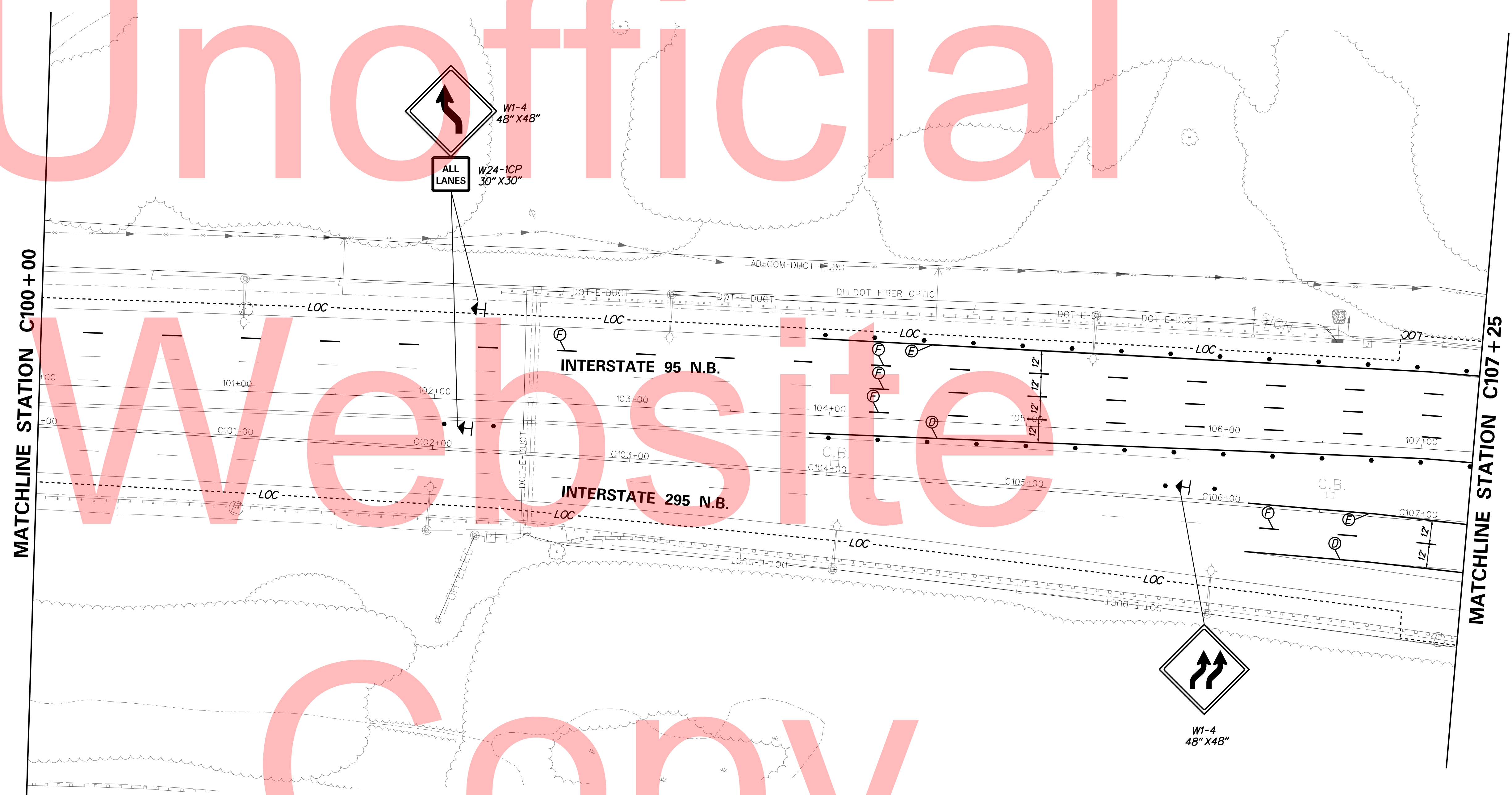
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2

CS-62
SHEET NO.
290
TOTAL SHTS.
481



Unofficial



MATCHLINE STATION C100+00

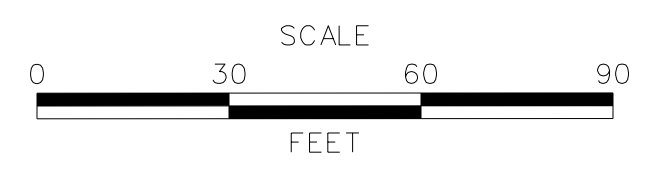
MATCHLINE STATION C107+25

PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS-02-15]



DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



I-95 AND SR 141 INTERCHANGE, RAMPS G & F IMPROVEMENTS

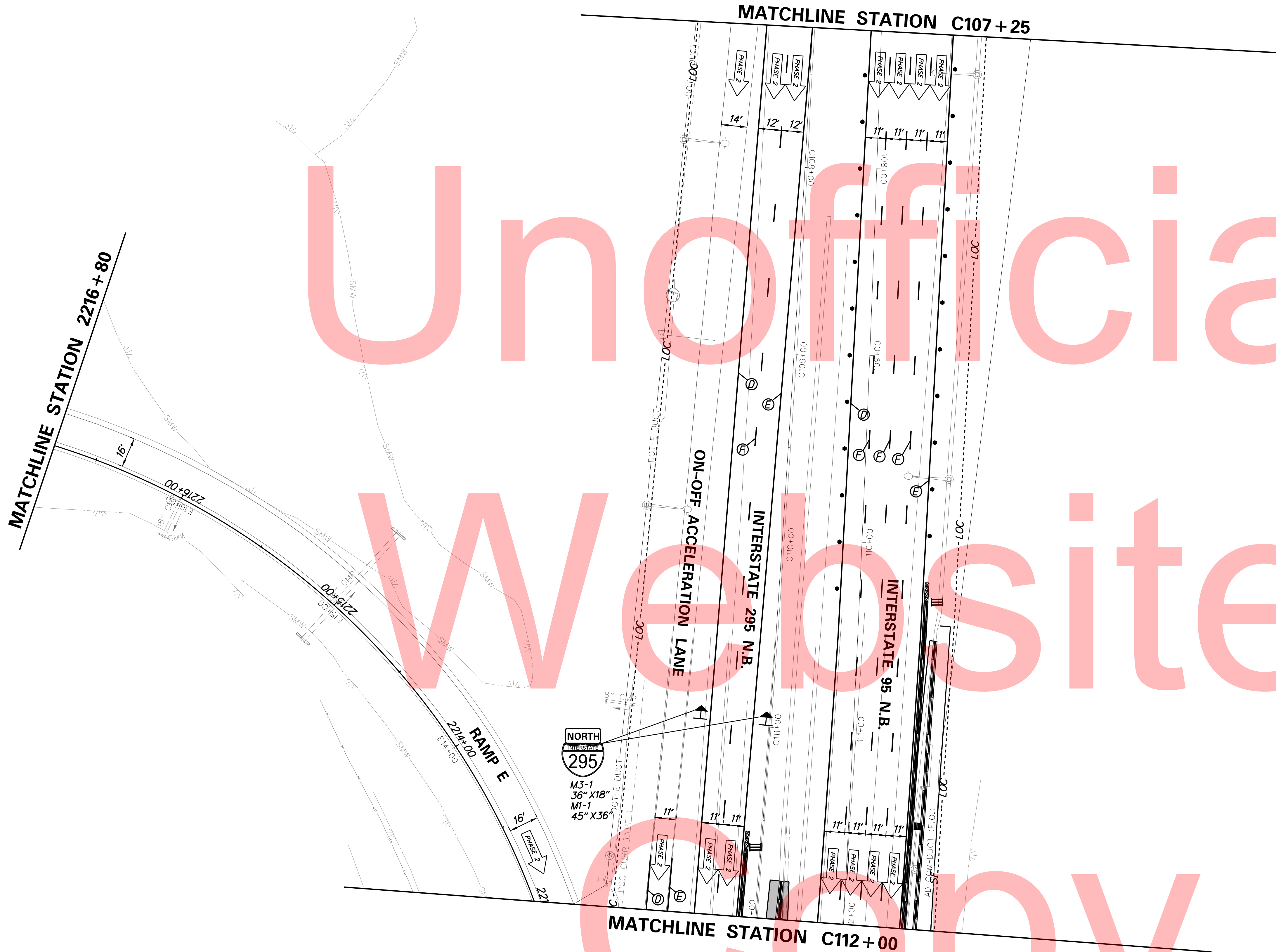
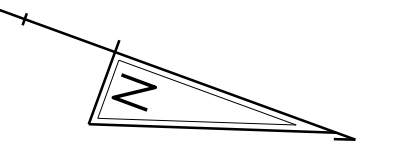
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 2

CS-63
SHEET NO.
291
TOTAL SHTS.
481

Web site

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Unofficial
Website
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PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS_02_16]



ADDENDUMS / REVISIONS	

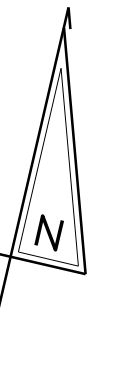


**I-95 AND SR 141 INTERCHANGE,
RAMP G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

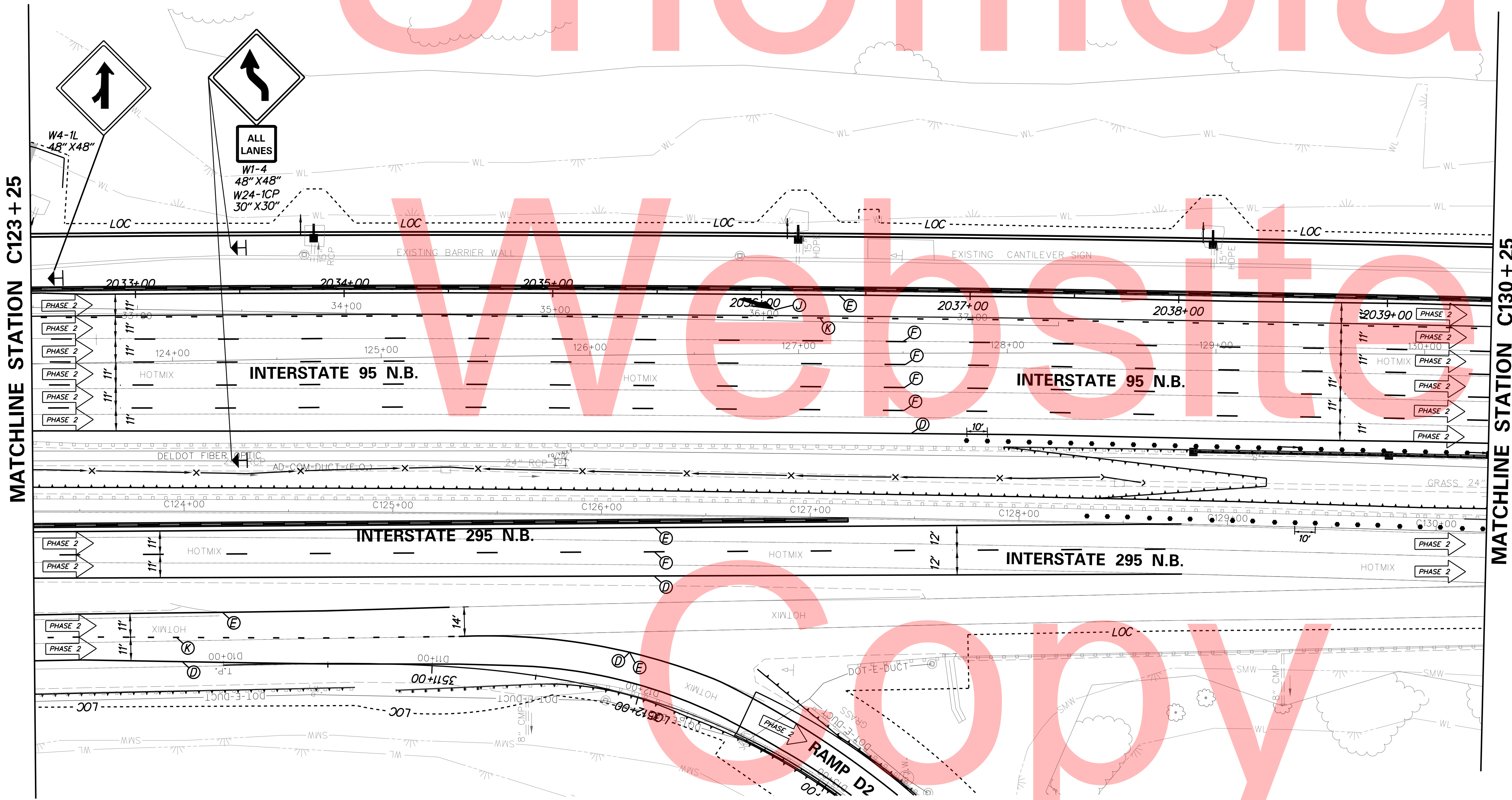
CS-64
SHEET NO.
292
TOTAL SHTS.
481



Unofficial

Website

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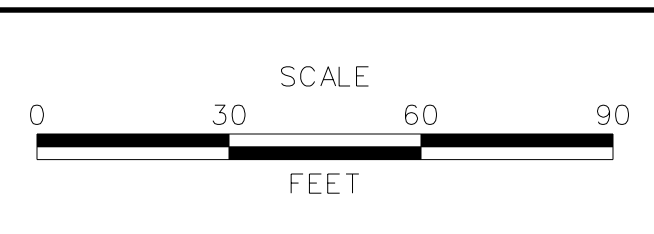
MATCHLINE STATION C123+25

MATCHLINE STATION C130+25

PLOTTED BY: MONTES DATE: 2/27/2015
FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS_02_17]

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

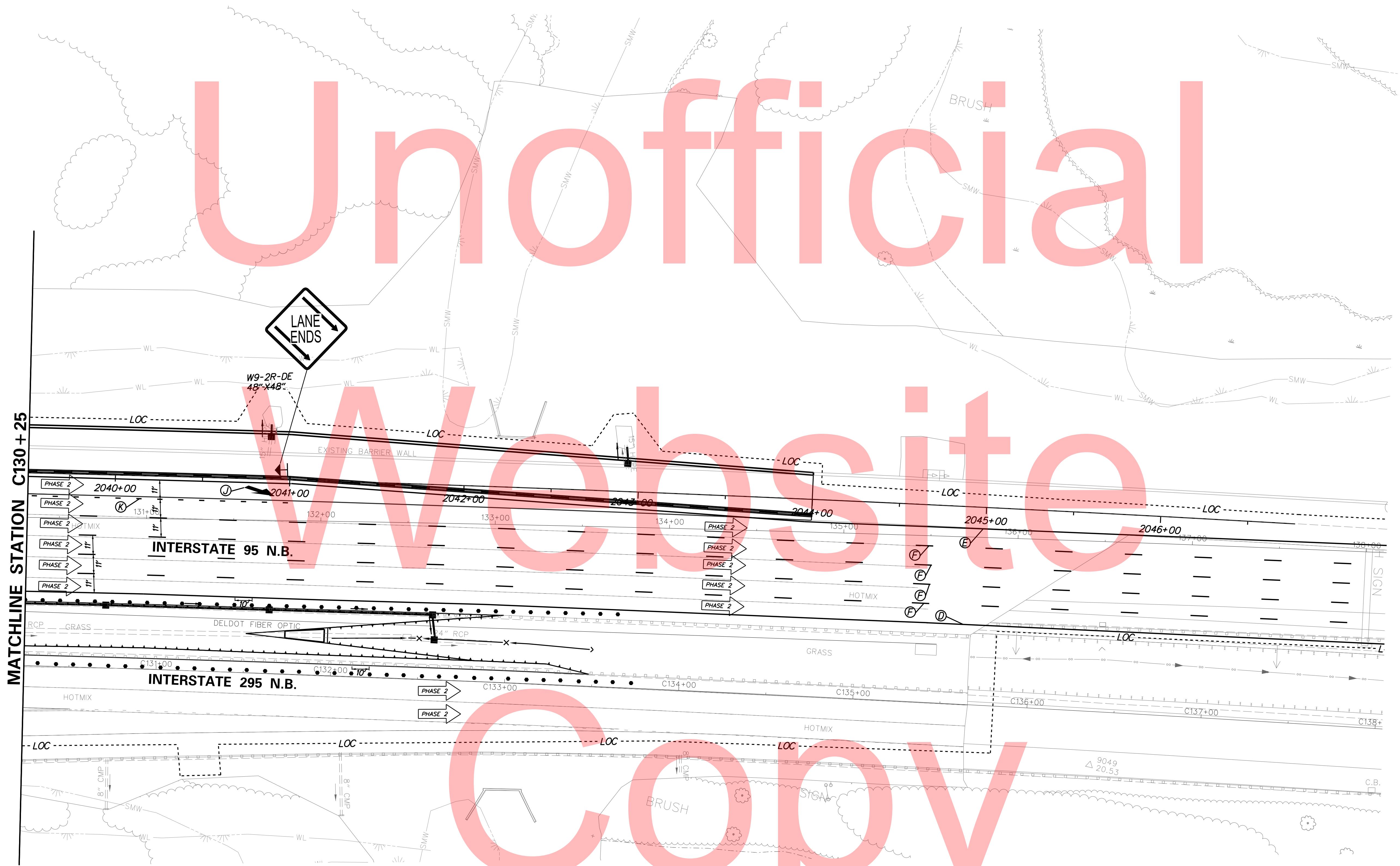
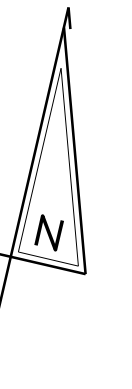


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-65
SHEET NO.
293
TOTAL SHTS.
481



Unofficial

Website

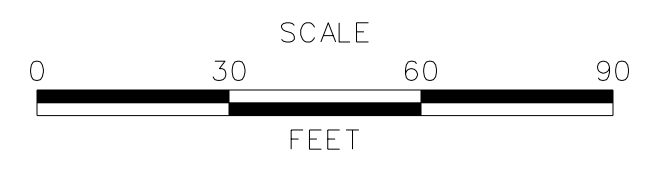
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DATE: 2/27/2015
PLOTTED BY: MONTES
FILE LOCATION: Q:\INDE.060272.020.1-95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS-02-1B]



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

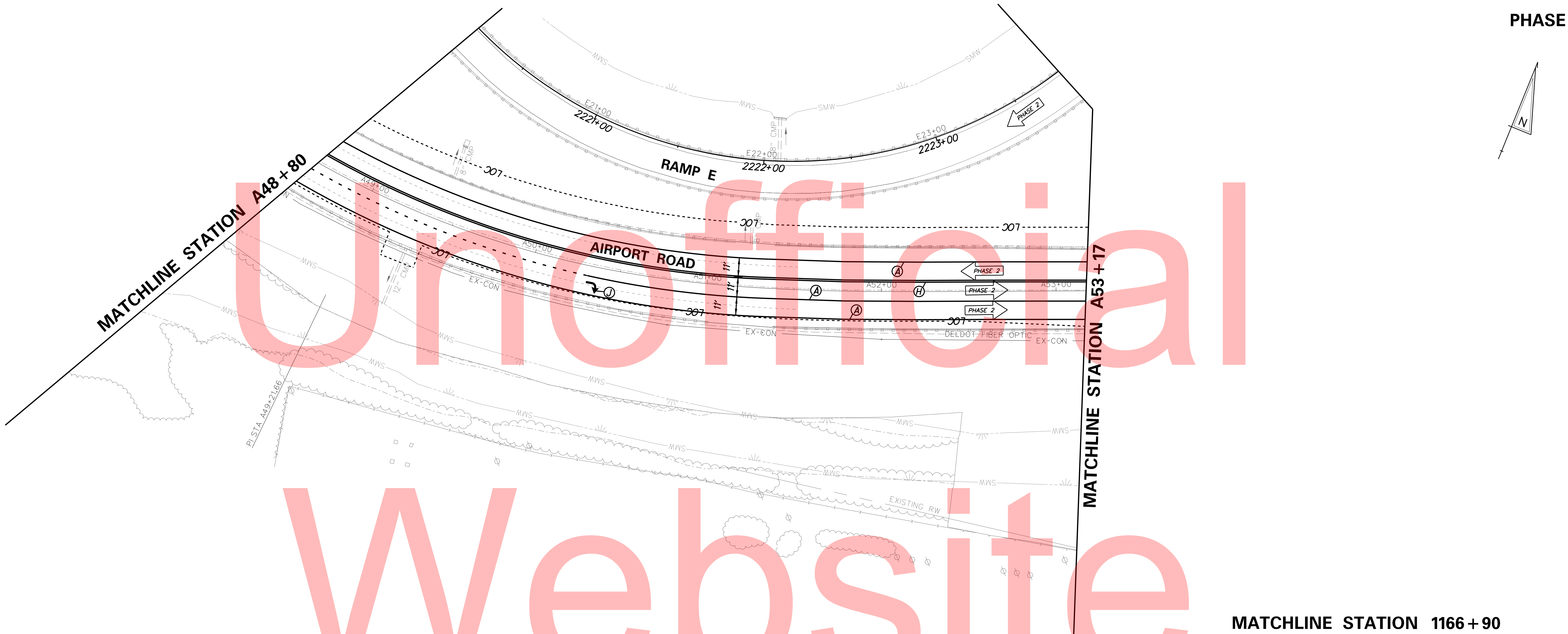
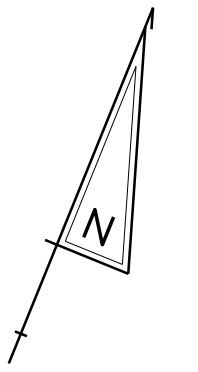


I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

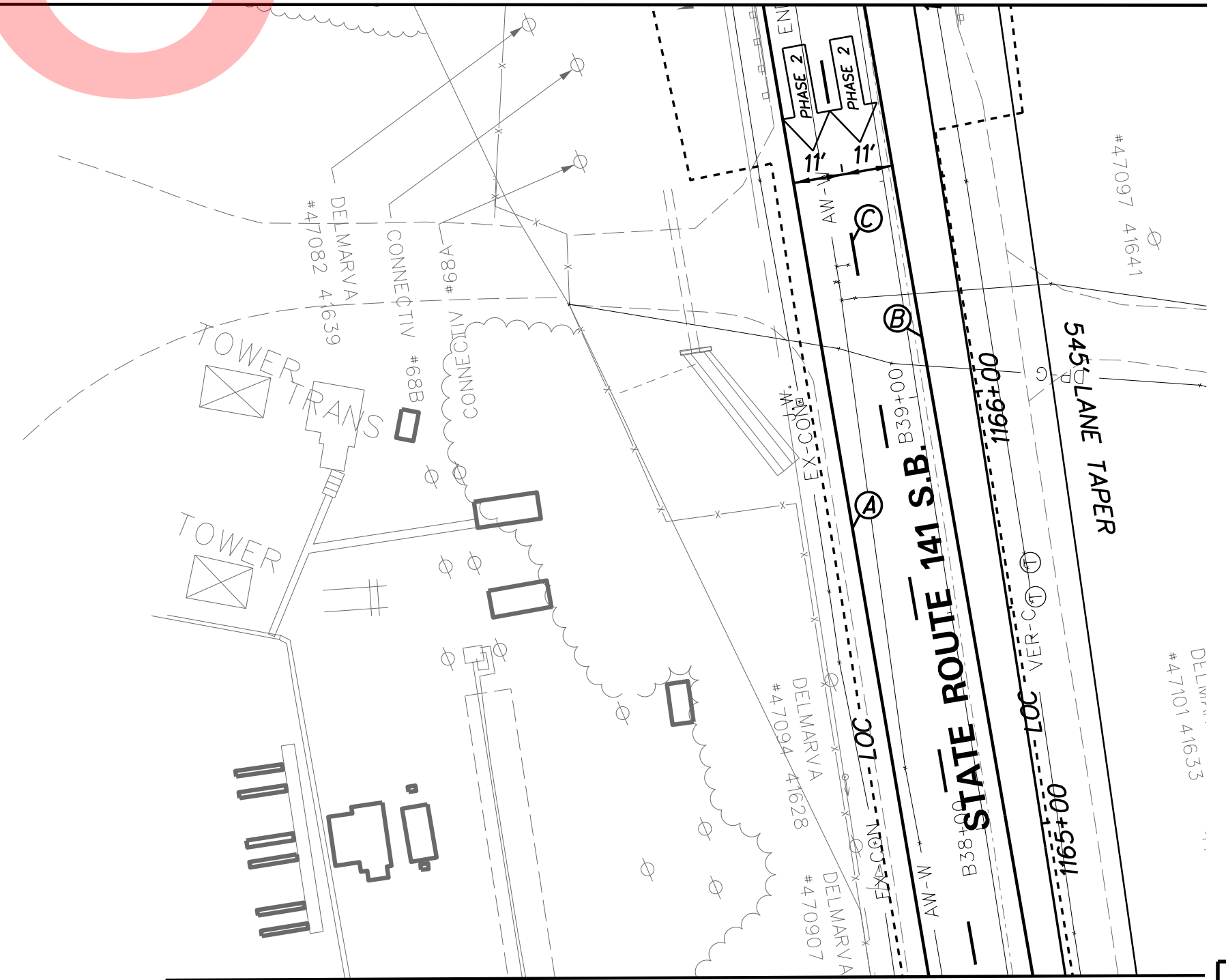
CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

CS-66
SHEET NO.
294
TOTAL SHTS.
481



MATCHLINE STATION 1166 + 90



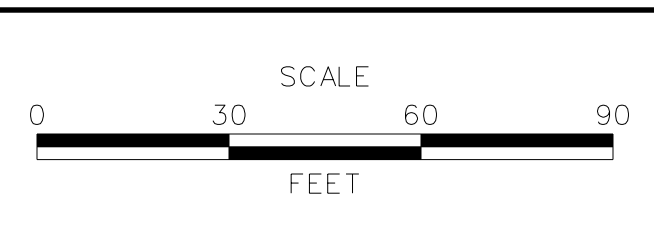
MATCHLINE STATION 1164 + 65

Unofficial
 Website
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PLOTTED BY: MONTES DATE: 2/27/2015
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ADDENDUMS / REVISIONS	

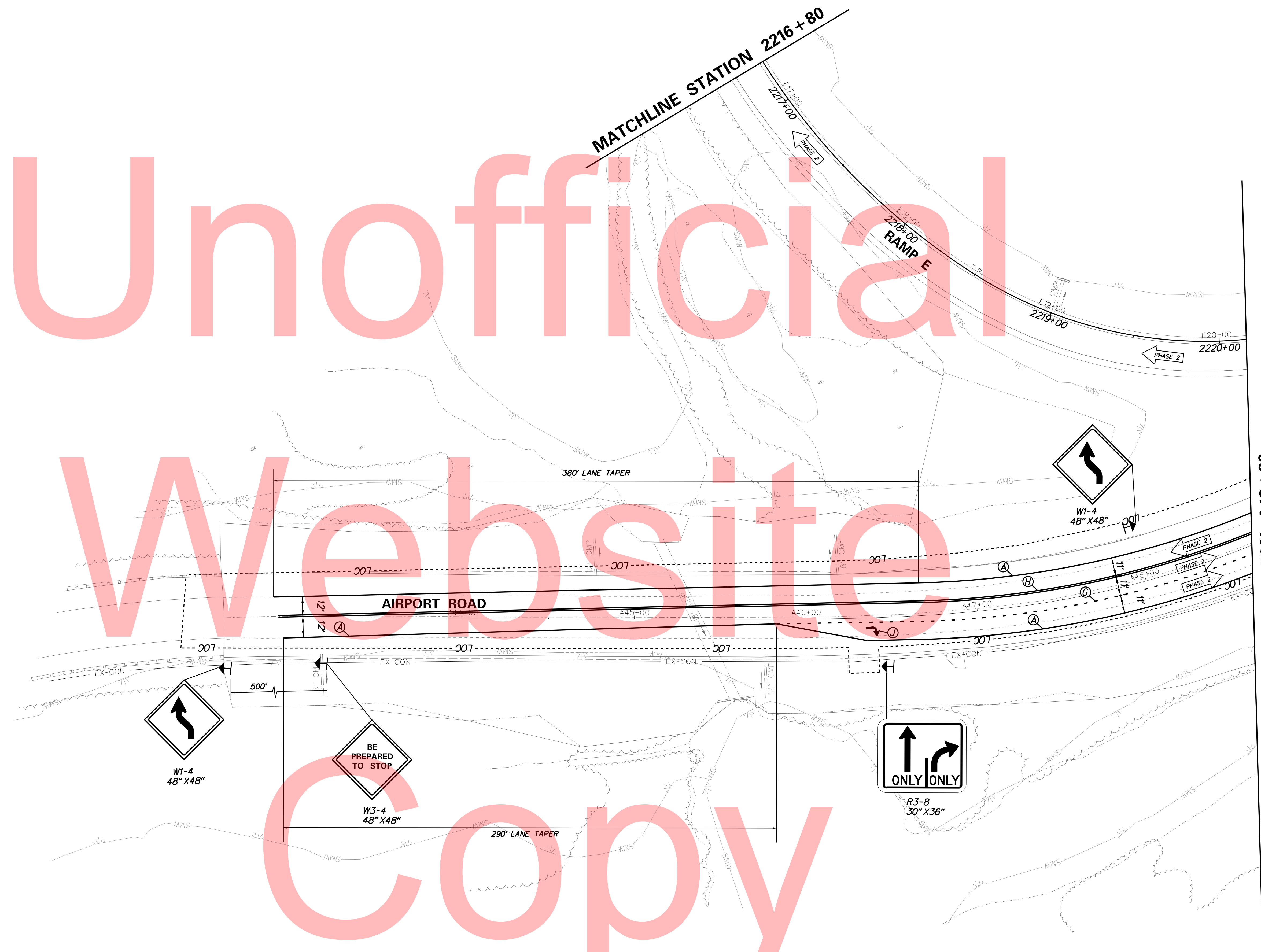
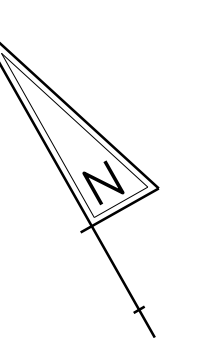


**I-95 AND SR 141 INTERCHANGE,
RAMP G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-67
SHEET NO.
295
TOTAL SHTS.
481



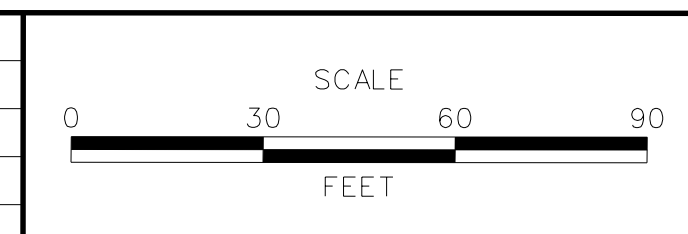
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PLOTTED BY: MONTES DATE: 2/27/2015 FILE LOCATION: Q:\INDE\060272_020_1\95_AND_SR_141_INTE\CADD\CS00_PHASE2.DGN [SHEET: CS-02-21]

MATCHLINE STATION A48+80

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT T201109002	BRIDGE NO. 675 / 678
COUNTY NEW CASTLE	DESIGNED BY: KN/JDS
	CHECKED BY: BPH

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

CS-68
SHEET NO. 296
TOTAL SHTS. 481

NOTE: PHASE 1 GIRDER REMOVAL CANNOT START UNTIL THE CROSSOVER BETWEEN I-95 AND I-295 IS CONSTRUCTED.

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
GIRDER REMOVAL
PHASE 1**

SEQUENCE OF CONSTRUCTION

PHASE 1 GIRDER REMOVAL

- ① CONSTRUCT SHOULDER WIDENING AND TEMPORARY CROSS-OVER BETWEEN I-95 & I-295 USING TA-5 AND/OR TA-5A AS APPLICABLE.
- ② GIRDER REMOVAL IS TO OCCUR UTILIZING NIGHTTIME CLOSURES. PLACE ALL TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN. REFER TO CS-188 FOR THE CORRESPONDING PCMS MESSAGES.
- ③ STAGE-I GIRDER REMOVAL WILL REQUIRE CLOSING NORTHBOUND I-95 LANES. NORTHBOUND I-95 TRAFFIC WILL BE DETOURED ONTO THE NORTHBOUND I-295 LANES. THE TEMPORARY CROSSOVER WILL BE UTILIZED FOR TRAFFIC TO TRANSITION BACK TO I-95. NORTHBOUND I-295 TRAFFIC WILL BE DETOURED ONTO THE RAMP E/RAMP D2 SLIP LANES AND BACK ONTO I-295. RAMPS G AND F WILL ALSO BE CLOSED UTILIZING TYPE III BARRICADES AND DRUMS, AS NECESSARY. RAMP F AND G TRAFFIC WILL BE DETOURED BASED ON THE DETOUR PLANS. SIGN NORTHBOUND I-95/I-295 FOR 35 MPH.
- ④ STAGE-II GIRDER REMOVAL WILL REQUIRE CLOSING NORTHBOUND I-295 LANES. NORTHBOUND I-295 TRAFFIC WILL BE DETOURED ONTO THE RAMP E/RAMP D2 SLIP LANES AND BACK ONTO NORTHBOUND I-295.
- ⑤ STAGE-III GIRDER REMOVAL WILL REQUIRE CLOSING RAMP E/D2 SLIP LANES. RAMPS E AND D2 WILL BE CLOSED UTILIZING TYPE III BARRICADES AND DRUMS, AS NECESSARY. THE RAMP E AND D2 TRAFFIC WILL BE DETOURED BASED ON THE DETOUR PLANS.
- ⑥ REFER TO PHASE 1 LANE CONFIGURATIONS ALONG NORTHBOUND I-95 DURING GIRDER REMOVAL UNDER PHASE 2.
- ⑦ WHENEVER TWO OR MORE RAMPS ARE BEING CLOSED AT THE SAME TIME REFER TO THE RESPECTIVE INDIVIDUAL DETOUR PLANS. COVER OR REMOVE ANY CONFLICTING SIGNS.
- ⑧ AFTER THE COMPLETION OF THE GIRDER REMOVAL, THE PIER DEMO PLANS MAY START.

**PHASE 1 I-95 NB & I-295 NB
CROSSOVER CONSTRUCTION**

TEMPORARY PAVEMENT MARKINGS QUANTITIES		
SYMBOL	ITEM	QUANTITY
ⓓ	6" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	2355 LF
ⓔ	6" YELLOW TEMPORARY PAVEMENT STRIPING (ITEM 748020)	2680 LF
ⓕ	6" DASHED WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748020)	405 LF
Ⓛ	8" WHITE TEMPORARY PAVEMENT STRIPING (ITEM 748019)	170 LF

MAINTENANCE OF TRAFFIC LEGEND

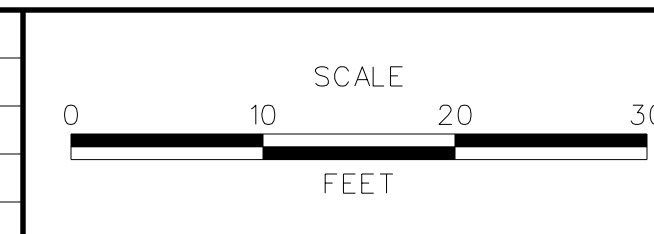
- PLASTIC DRUMS
- PORTABLE P.C.C. SAFETY BARRIER
- SECTION TO BE CONSTRUCTED IN PHASE
- SECTION CONSTRUCTED IN PREVIOUS PHASE(S)
- TEMPORARY CONSTRUCTION
- ARROW PANEL
- Ⓐ 4" WHITE TEMPORARY PAVEMENT STRIPING
- Ⓑ 4" YELLOW TEMPORARY PAVEMENT STRIPING
- Ⓒ 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- Ⓓ 6" WHITE TEMPORARY PAVEMENT STRIPING
- Ⓔ 6" YELLOW TEMPORARY PAVEMENT STRIPING
- Ⓕ 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING
- Ⓖ 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- Ⓗ 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- Ⓘ 16" WHITE TEMPORARY PAVEMENT STRIPING
- Ⓝ WHITE TEMPORARY PAVEMENT STRIPING SYMBOL
- Ⓚ 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING
- Ⓛ 8" WHITE TEMPORARY PAVEMENT STRIPING
- Ⓜ 4" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- Ⓝ 6" YELLOW TEMPORARY PAVEMENT STRIPING TAPE
- Ⓞ 6" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓟ 6" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓠ 6" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓡ 4" WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓢ 4" DASHED WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓣ 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING TAPE
- Ⓤ 4" SKIP YELLOW TEMPORARY STRIPING

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTE\CADD\CS00_PHASE1_BEAM_REMOVAL_IDGN I SHEET: CS_BR_TS01.I

Website
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ADDENDUMS / REVISIONS	

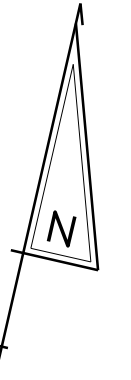


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KNV/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

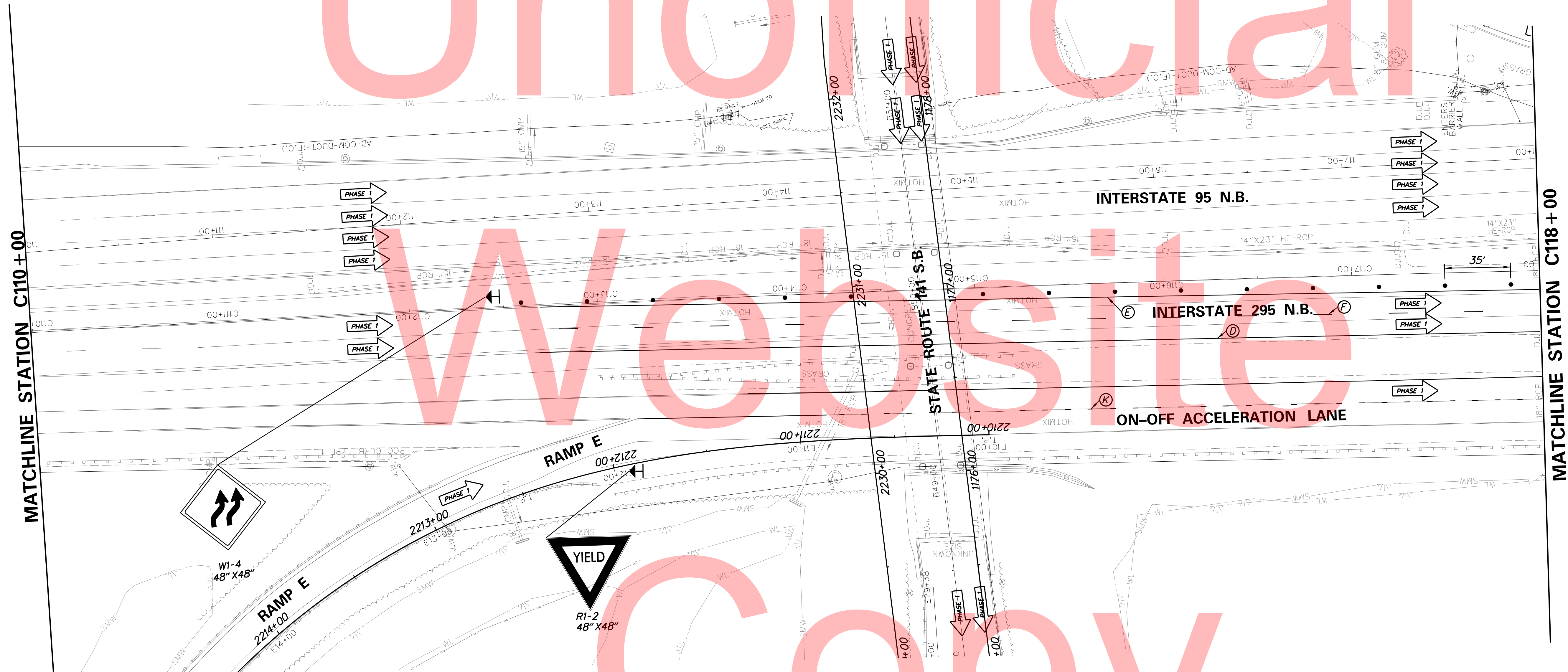
CS-69
SHEET NO.
297
TOTAL SHTS.
481



Unofficial

Website

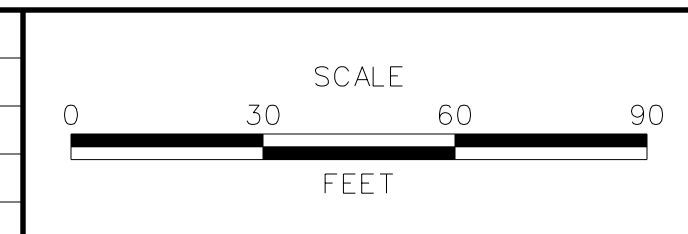
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PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272_020_I-95_AND_SR_141_INTERCHANGE\CADD\CS00_PHASE1_BEAM_REMOVAL_IDGN I SHEET: CS_01_XSover T J

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

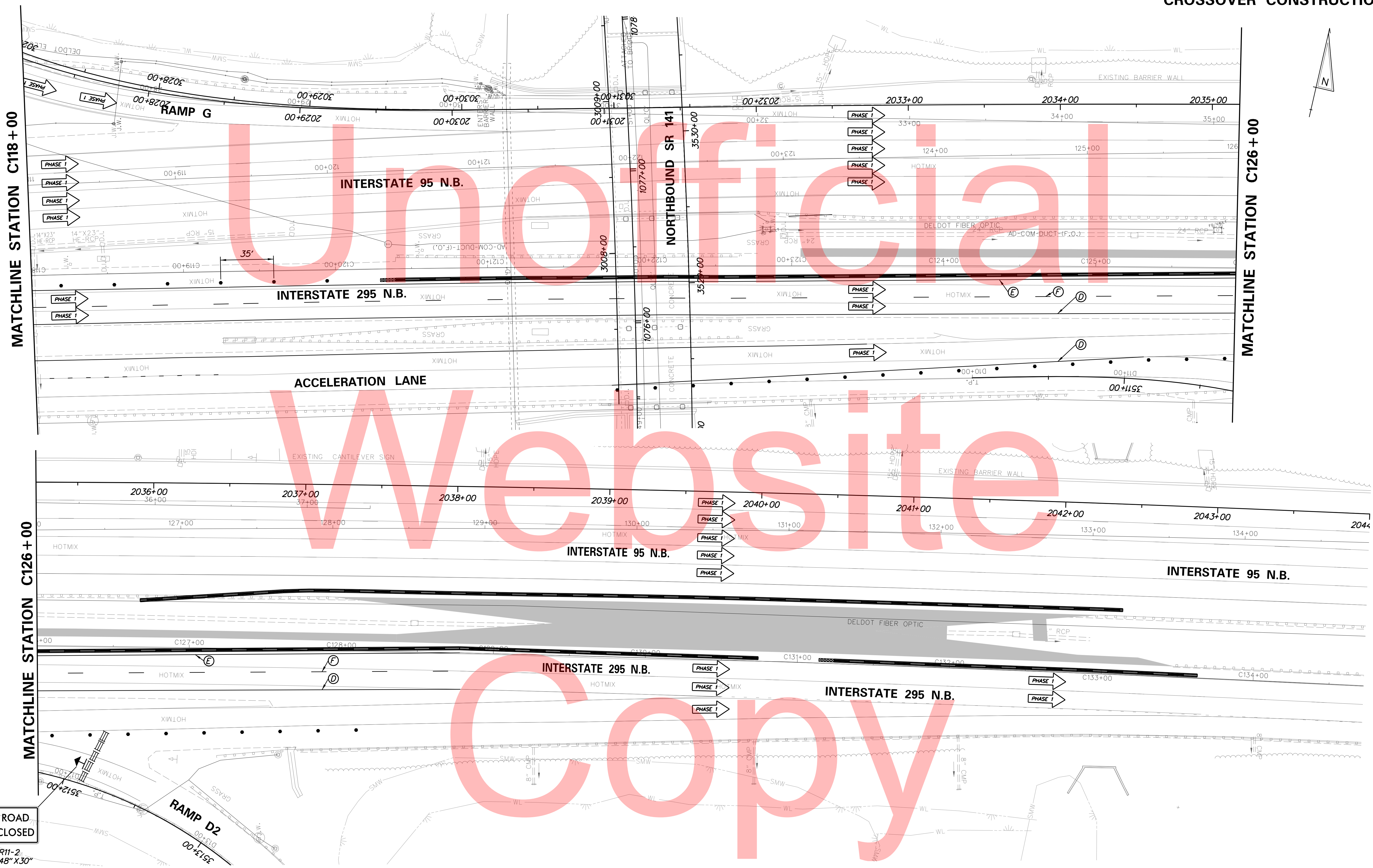
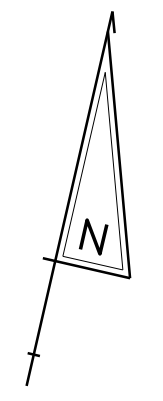


**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-70
SHEET NO.
298
TOTAL SHTS.
481



MATCHLINE STATION C118+00

MATCHLINE STATION C126+00

MATCHLINE STATION C126+00

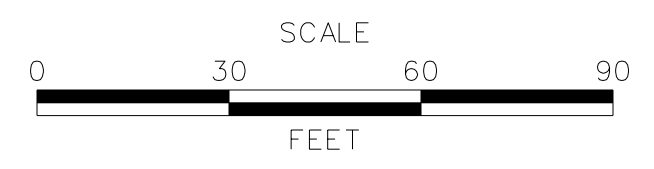
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ROAD CLOSED
R11-2
48" X 30"

RAMP D2
3513+00
073+00



ADDENDUMS / REVISIONS



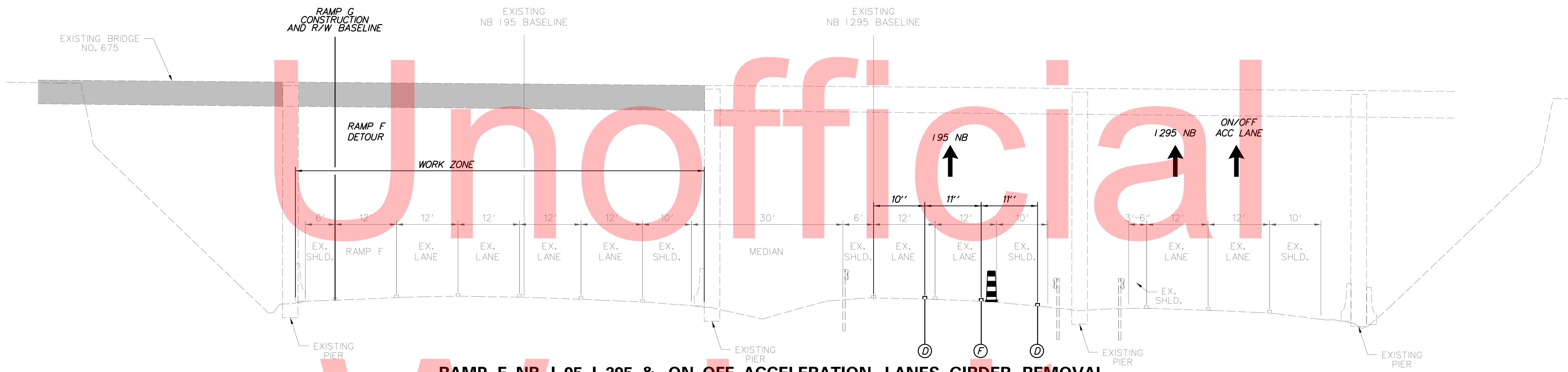
I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS

CONTRACT	T201109002	BRIDGE NO.	675 / 678
COUNTY	NEW CASTLE	DESIGNED BY:	KN/JDS
		CHECKED BY:	BPH

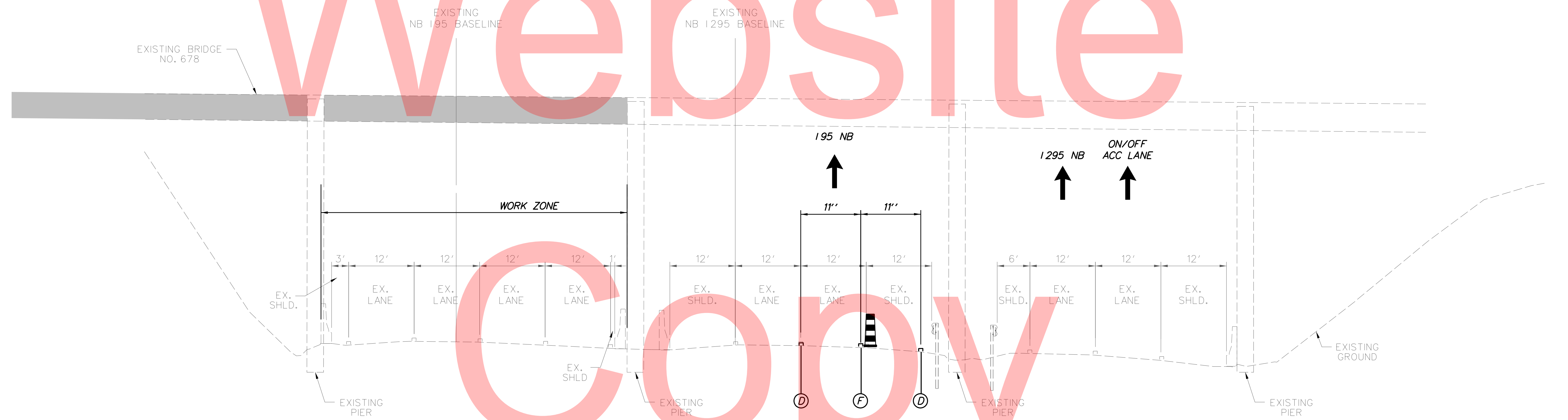
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1

CS-71	SHEET NO.	299
	TOTAL SHTS.	481

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
GIRDER REMOVAL
PHASE 1, STAGE-I**



**RAMP F, NB I-95, I-295 & ON-OFF ACCELERATION LANES, GIRDER REMOVAL
STATION 120+80 TO STATION 122+80**



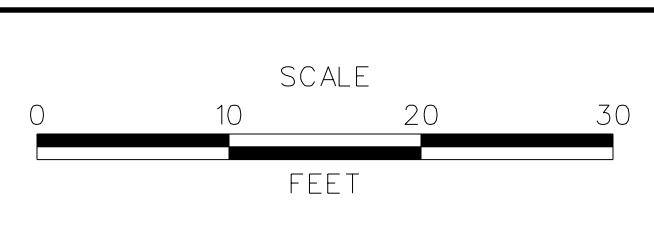
**NB I-95, I-295 & ON-OFF ACCELERATION LANES, GIRDER REMOVAL
STATION 114+10 TO STATION 115+10**

**STAGE-I PLANS
BEGIN ON CS-75**

PLOTTED BY: MONTES DATE: 2/27/2015
 FILE LOCATION: Q:\INDE\060272-020-I-95_AND_SR_141_INTERCHANGE_PHASE1_BEAM_REMOVAL.LDGN I SHEET: CS_BR_TS02.J



ADDENDUMS / REVISIONS	



**I-95 AND SR 141 INTERCHANGE,
RAMPS G & F IMPROVEMENTS**

CONTRACT	BRIDGE NO.	675 / 678
T201109002	DESIGNED BY:	KN/JDS
COUNTY	CHECKED BY:	BPH
NEW CASTLE		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 1**

CS-72
SHEET NO.
300
TOTAL SHTS.
481