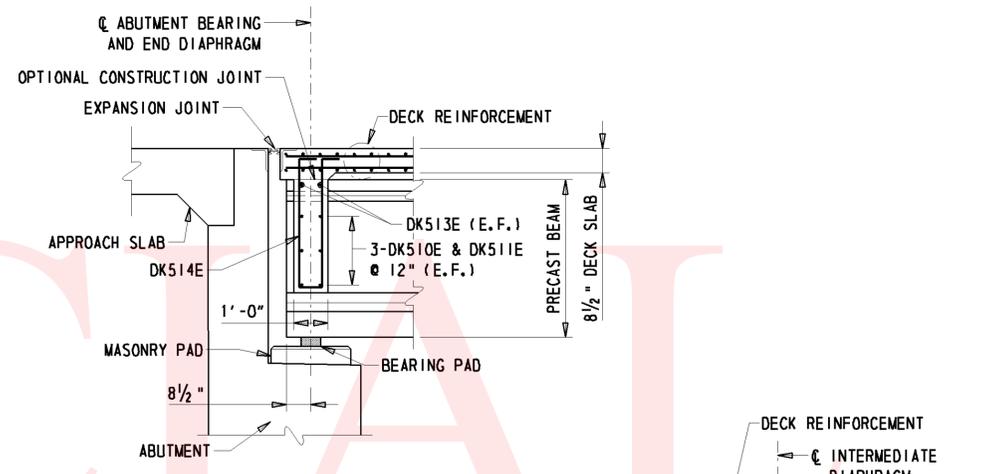
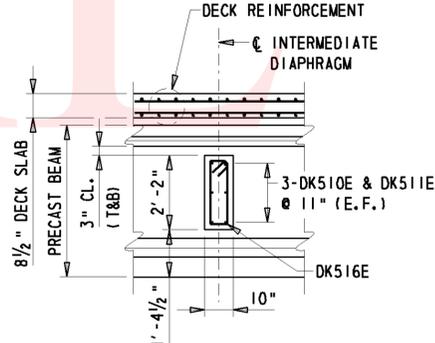


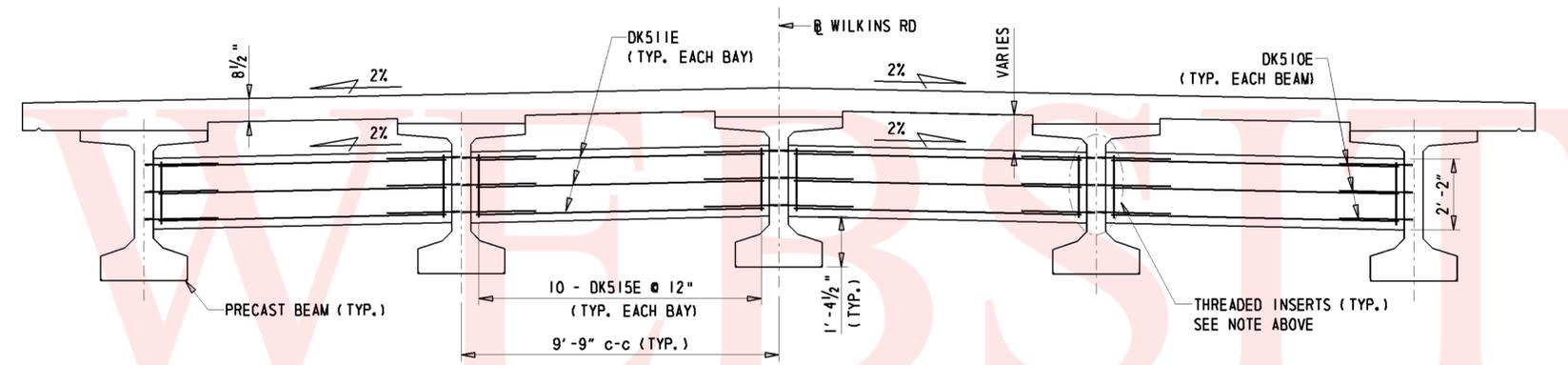
**END DIAPHRAGM**  
3/8" = 1'-0"



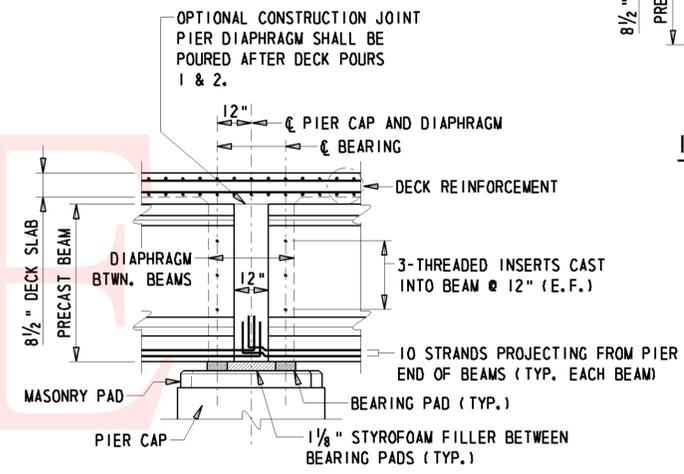
**END DIAPHRAGM**



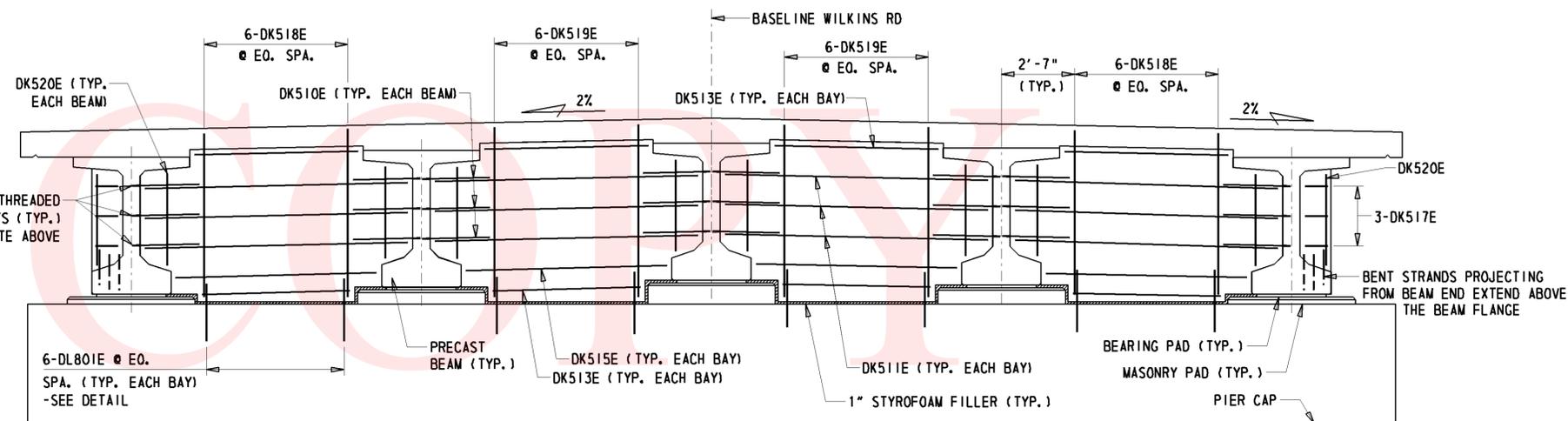
**INTERMEDIATE DIAPHRAGM**



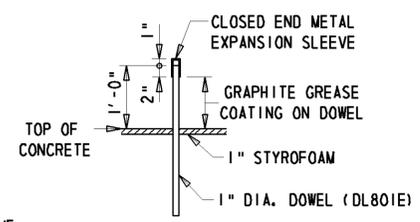
**INTERMEDIATE DIAPHRAGM**  
3/8" = 1'-0"



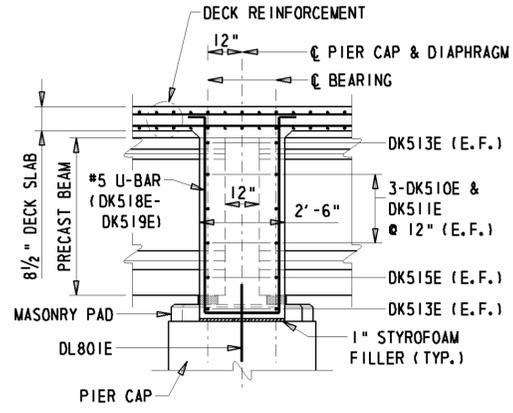
**PIER DIAPHRAGM AT BEAMS**



**PIER BENT DIAPHRAGM**  
3/8" = 1'-0"



**DOWEL DETAIL**  
3/8" = 1'-0"



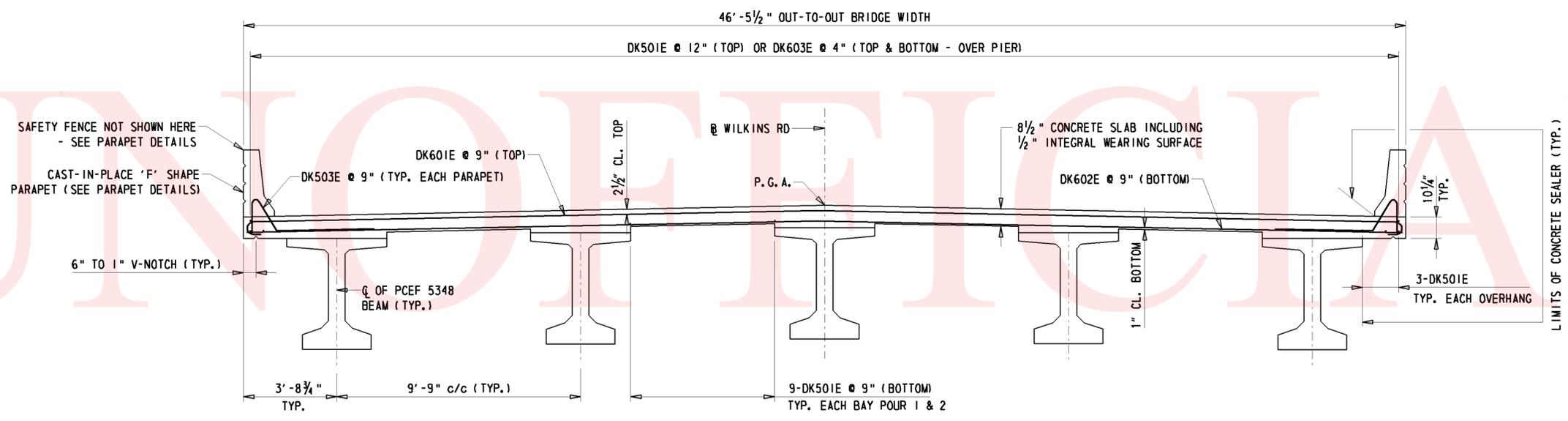
**PIER DIAPHRAGM BETWEEN BEAMS**

**DIAPHRAGM SECTIONS**  
3/8" = 1'-0"

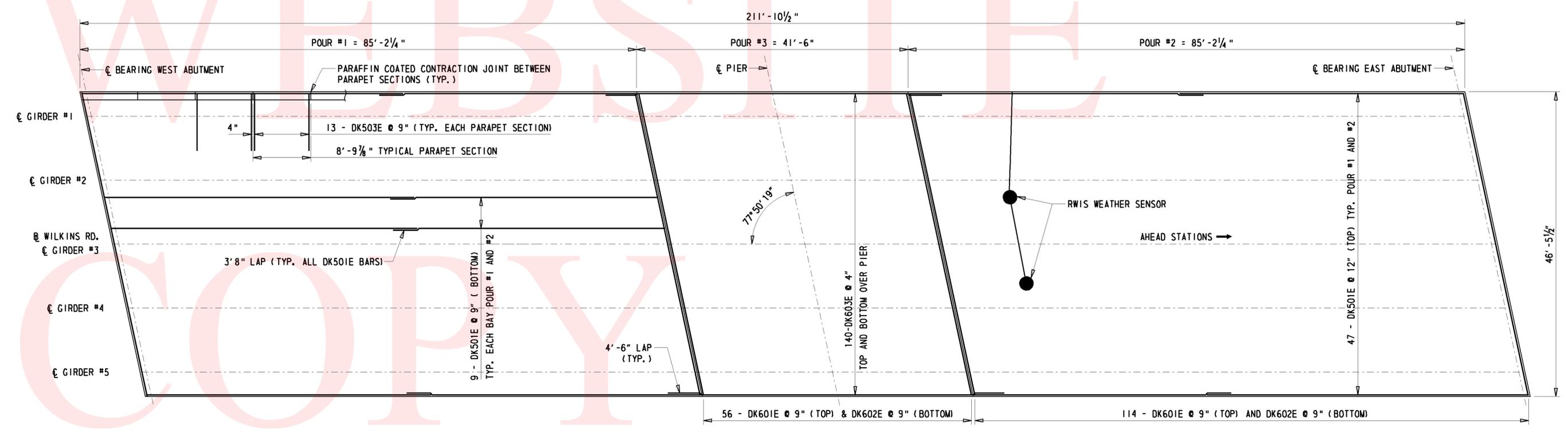
NOTE: DOWELS SHALL BE 1" DIA. x 2'-3" LONG PLAIN BARS CAPPED WITH A SNUG FITTING, CLOSED END METAL EXPANSION SLEEVE, TEMPORARILY SECURED TO THE DOWEL SO AS TO PROVIDE A 1" LONG SOCKET BEYOND THE BAR END AND TO LAP BACK 2" ON THE BAR. IMMEDIATELY PRIOR TO POURING DIAPHRAGM CONCRETE, DOWELS SHALL BE COATED WITH GRAPHITE GREASE.

W:\MSV8\CELLS\PROJDEV\13B.CEL

<p><b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS		SCALE: AS NOTED	SR 1, SR 30 GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	3-004	SHEET NO. 67		
					T200812201	DESIGNED BY: KRL, EM			DIAPHRAGM DETAILS BRIDGE SHEET 11 OF 23	
					COUNTY	CHECKED BY: BAB, JNH				TOTAL SHTS. 133
					SUSSEX					

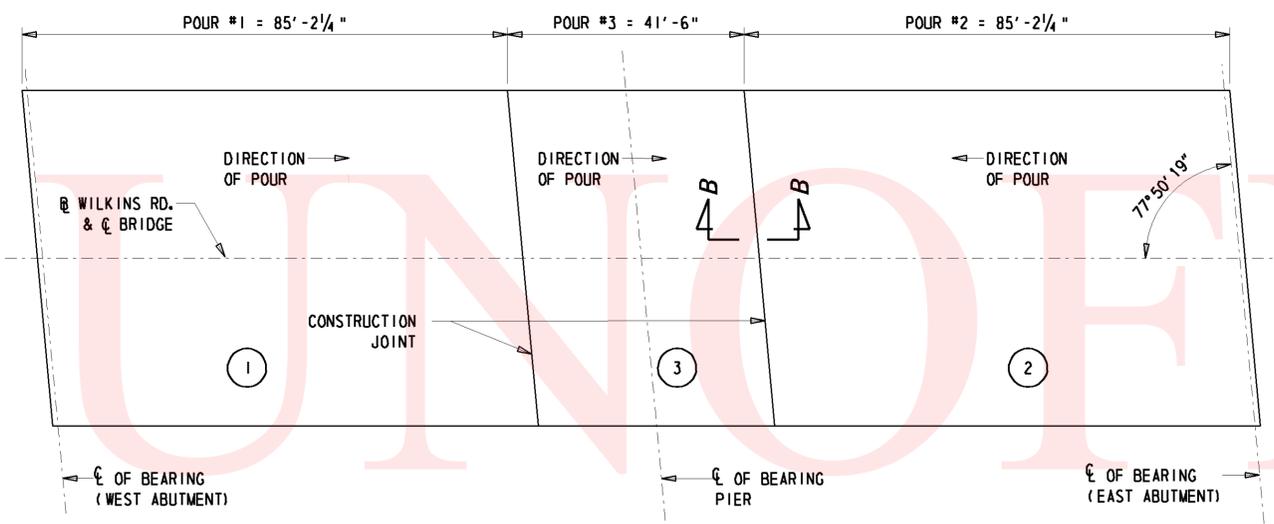


**DECK SECTION**  
 $\frac{3}{8}'' = 1'-0''$



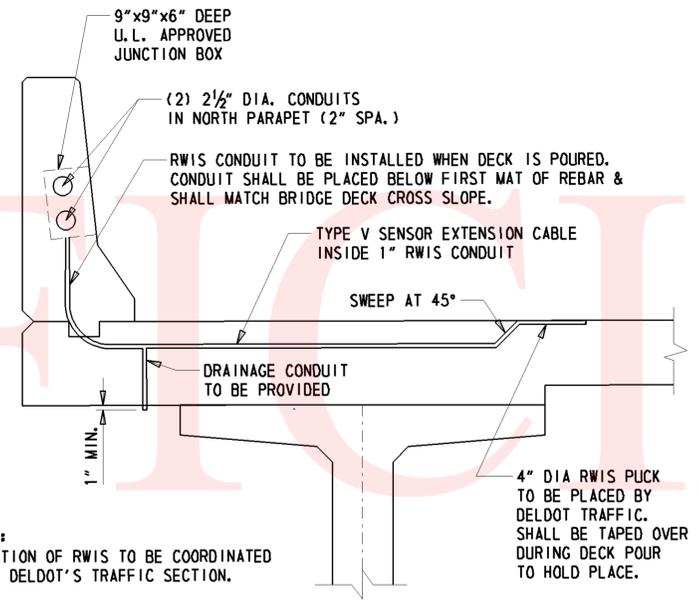
**DECK PLAN**  
 $\frac{1}{8}'' = 1'-0''$

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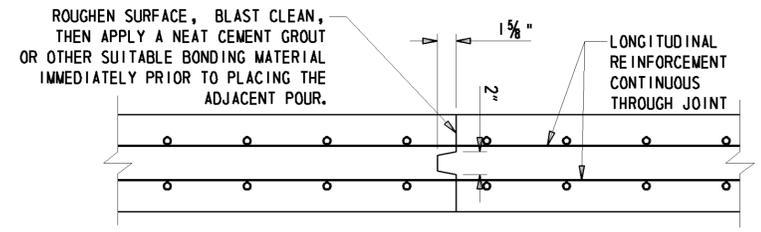
NOTES: DECK SHALL BE POURED UPHILL.  
POUR 1 AND POUR 2 MAY BE POURED SIMULTANEOUSLY UPON APPROVAL OF THE ENGINEER.

**DECK SLAB POURING SEQUENCE**  
1/8" = 1'-0"

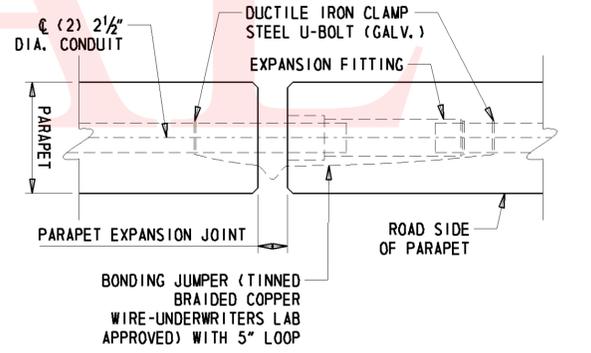


NOTE: LOCATION OF RWIS TO BE COORDINATED WITH DELDOT'S TRAFFIC SECTION.

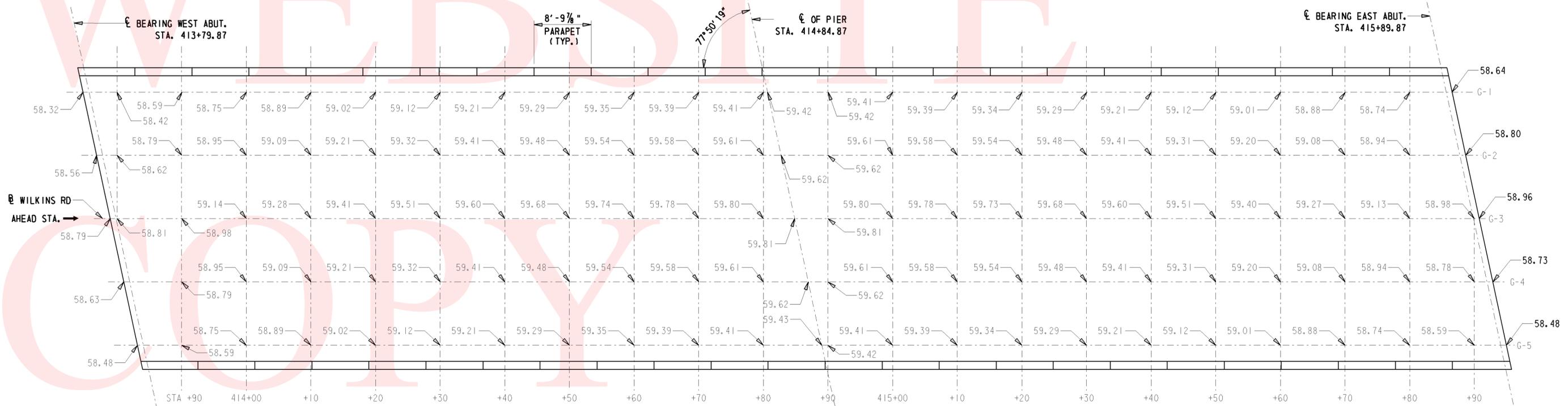
**TYPICAL SECTION OF NORTH DECK PARAPET AT RWIS**  
1" = 1'-0"



**SECTION B-B**  
1/2" = 1'-0"



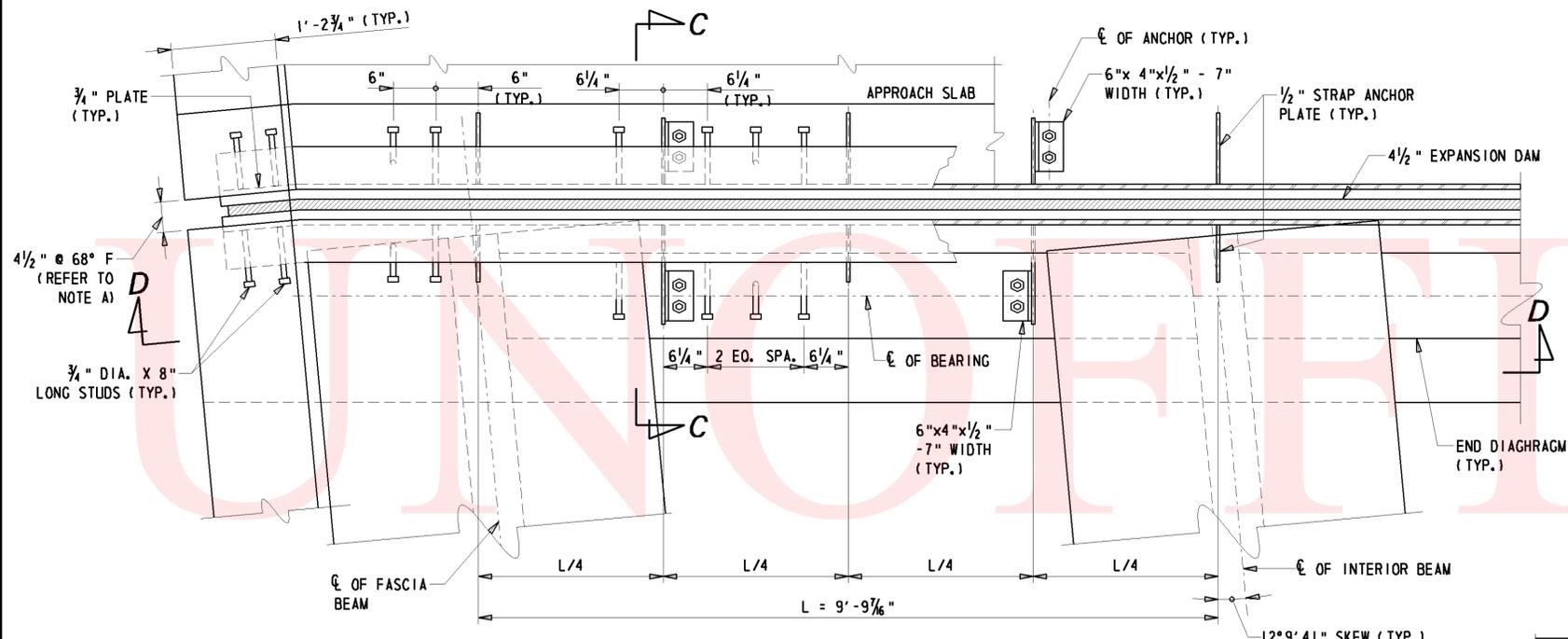
**PARAPET CONDUIT EXPANSION JOINT**  
N. T. S.



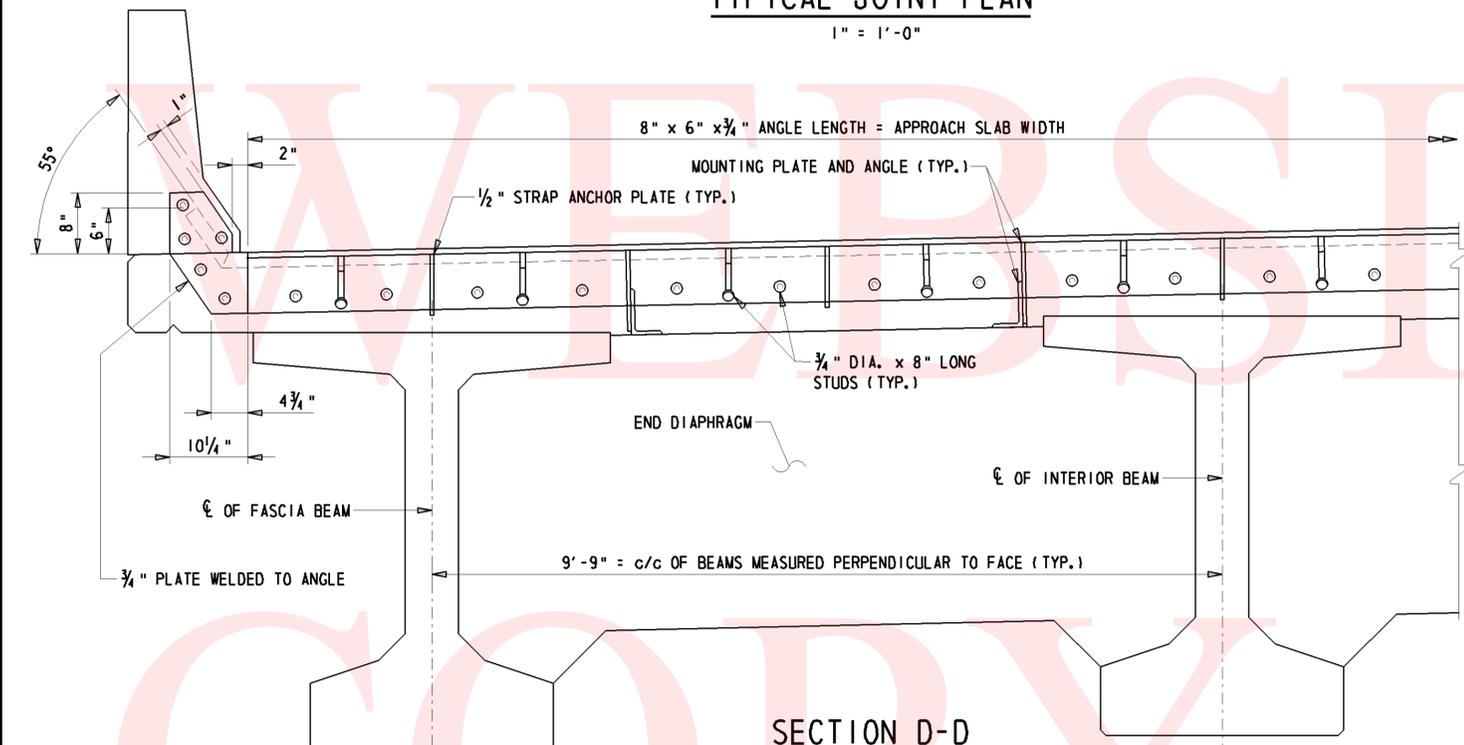
**PLAN**  
1/8" = 1'-0"

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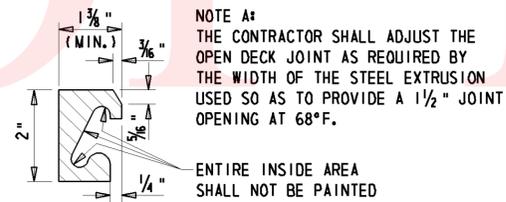
	ADDENDUMS / REVISIONS		SCALE: AS NOTED	SR 1, SR 30 GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	3-004	FINISHED DECK ELEVATIONS BRIDGE SHEET 13 OF 23	SHEET NO.
					T200812201	DESIGNED BY: KRL, EM			69
					COUNTY	CHECKED BY: BAB, JNH			TOTAL SHTS.
					SUSSEX				133



TYPICAL JOINT PLAN  
1" = 1'-0"



SECTION D-D  
1" = 1'-0"

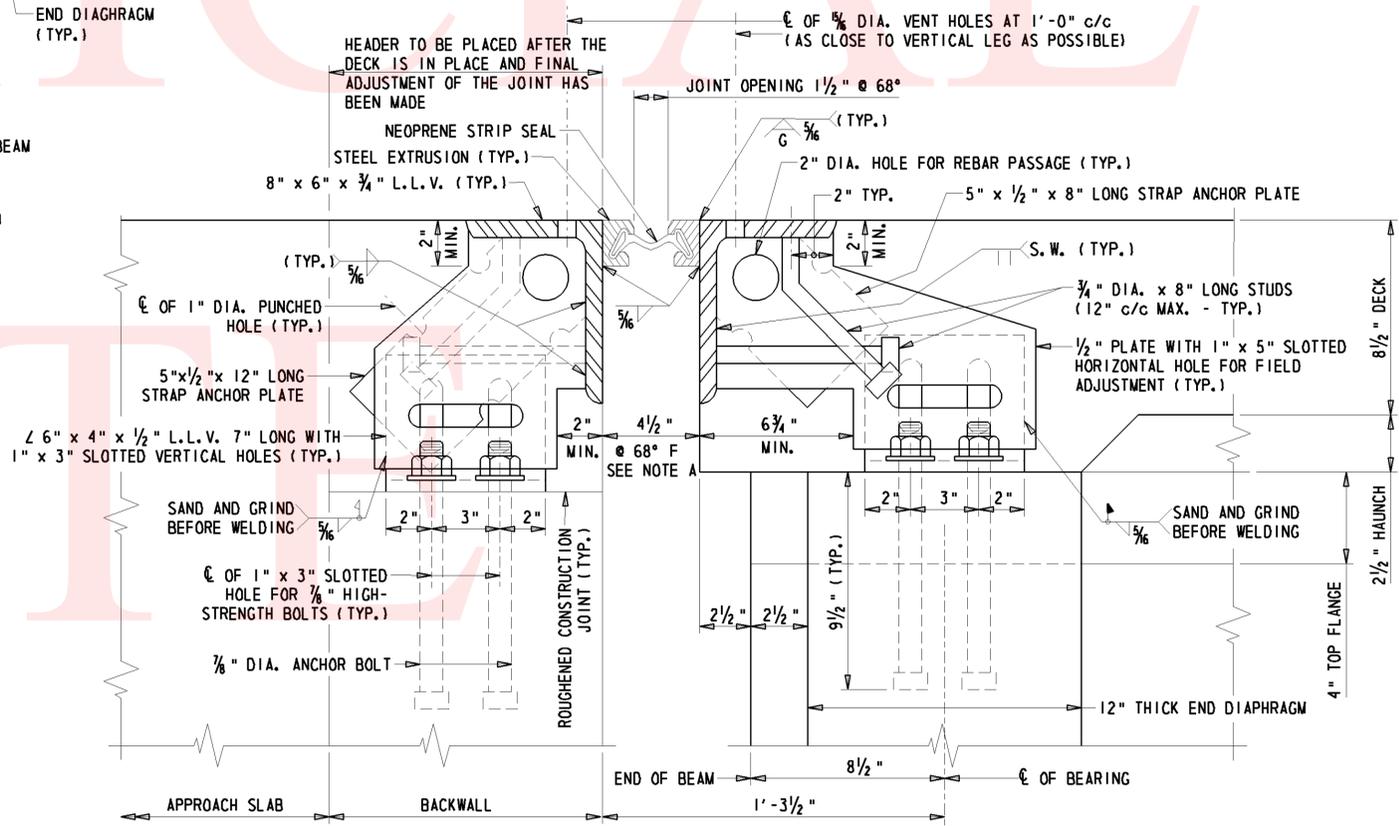


STEEL EXTRUSION DETAIL  
6" = 1'-0"

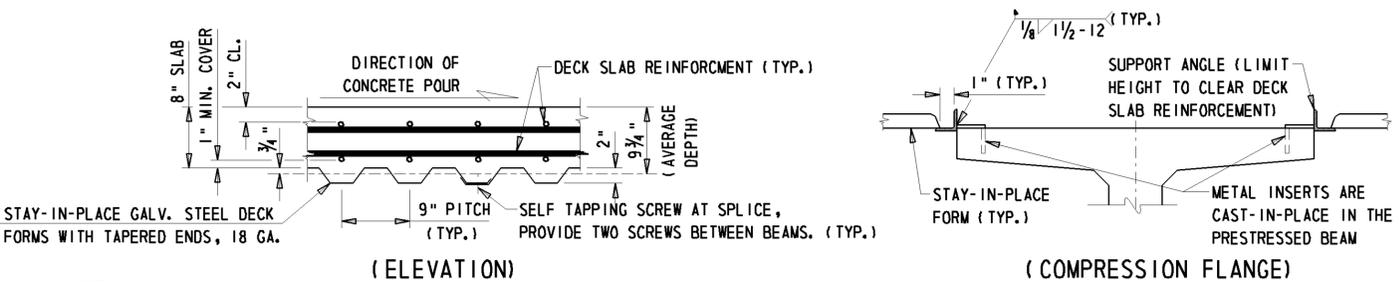
EXPANSION JOINT NOTES:

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.

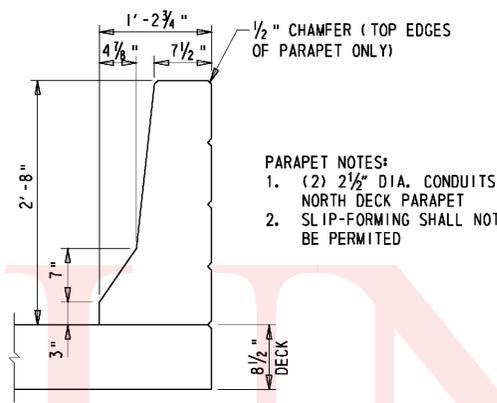


SECTION C-C  
3" = 1'-0"



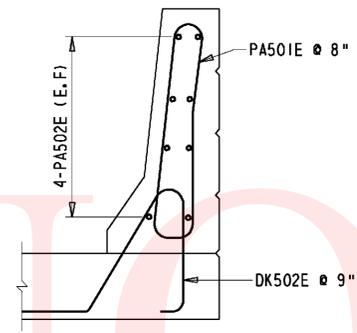
NOTE: SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER. METAL FORMS MUST BE GALVANIZED, MORTAR TIGHT AND STEEL METAL SCREWS MUST BE NON-CORROSIVE. SELF TAPPING SCREWS SHALL BE INSTALLED AT THE SIDE LAP OF THE SHEETS AT MID-SPAN BETWEEN SUPPORTS. NO WELD WILL BE PERMITTED AT NEGATIVE MOMENT ZONE.

STAY-IN-PLACE FORM DETAILS  
N. T. S.

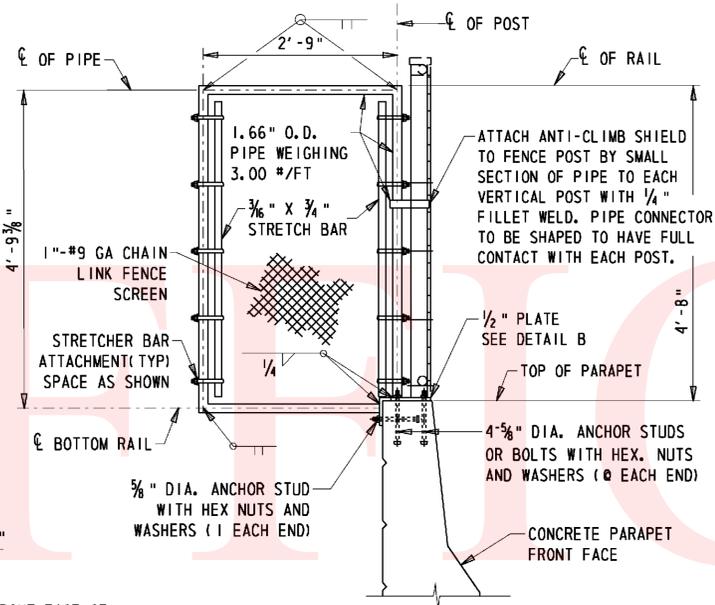


**PARAPET NOTES:**  
 1. (2) 2 1/2" DIA. CONDUITS NORTH DECK PARAPET  
 2. SLIP-FORMING SHALL NOT BE PERMITTED

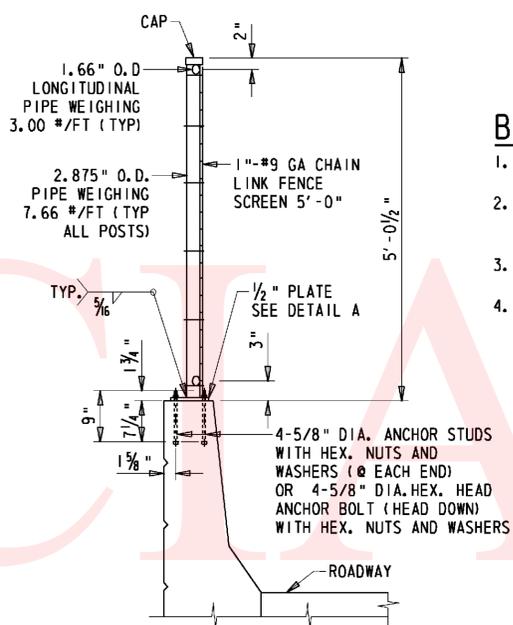
**DECK PARAPET SECTION**  
 1" = 1'-0"



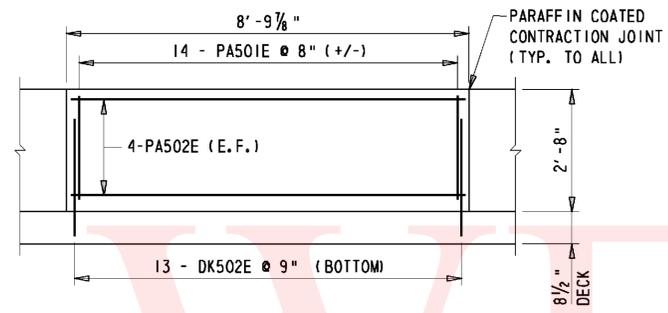
**TYPICAL PARAPET REINFORCEMENT**  
 1" = 1'-0"



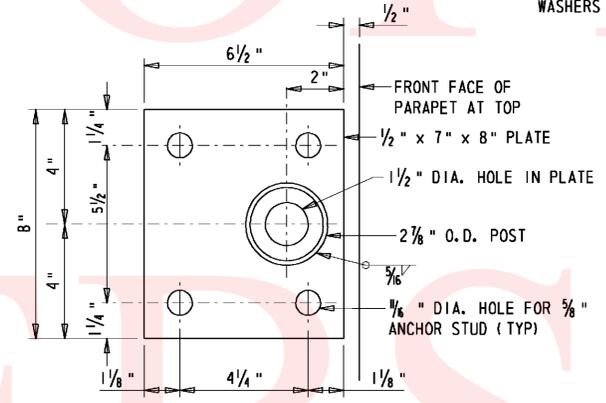
**SECTION Q-Q**  
 N. T. S.



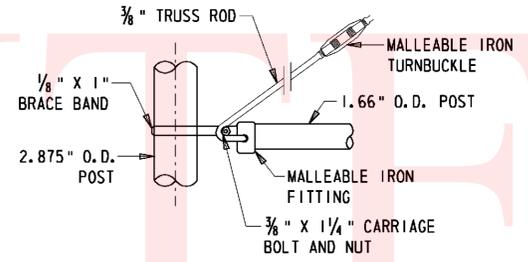
**SECTION R-R**  
 N. T. S.



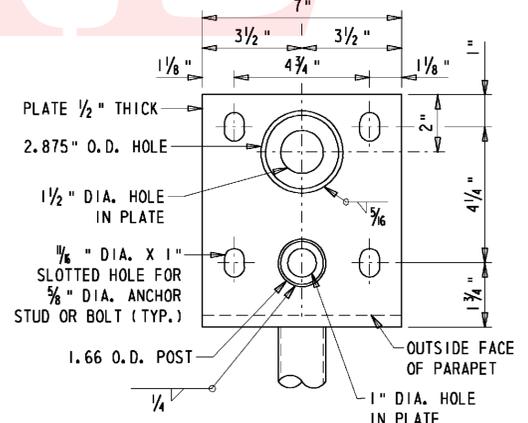
**DECK PARAPET ELEVATION**  
 1/2" = 1'-0"



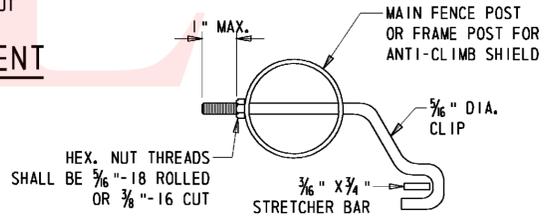
**DETAIL A**  
 N. T. S.



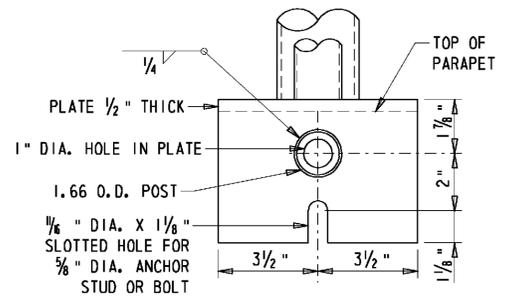
**TRUSS ROD ATTACHMENT**  
 N. T. S.



**PLAN VIEW**

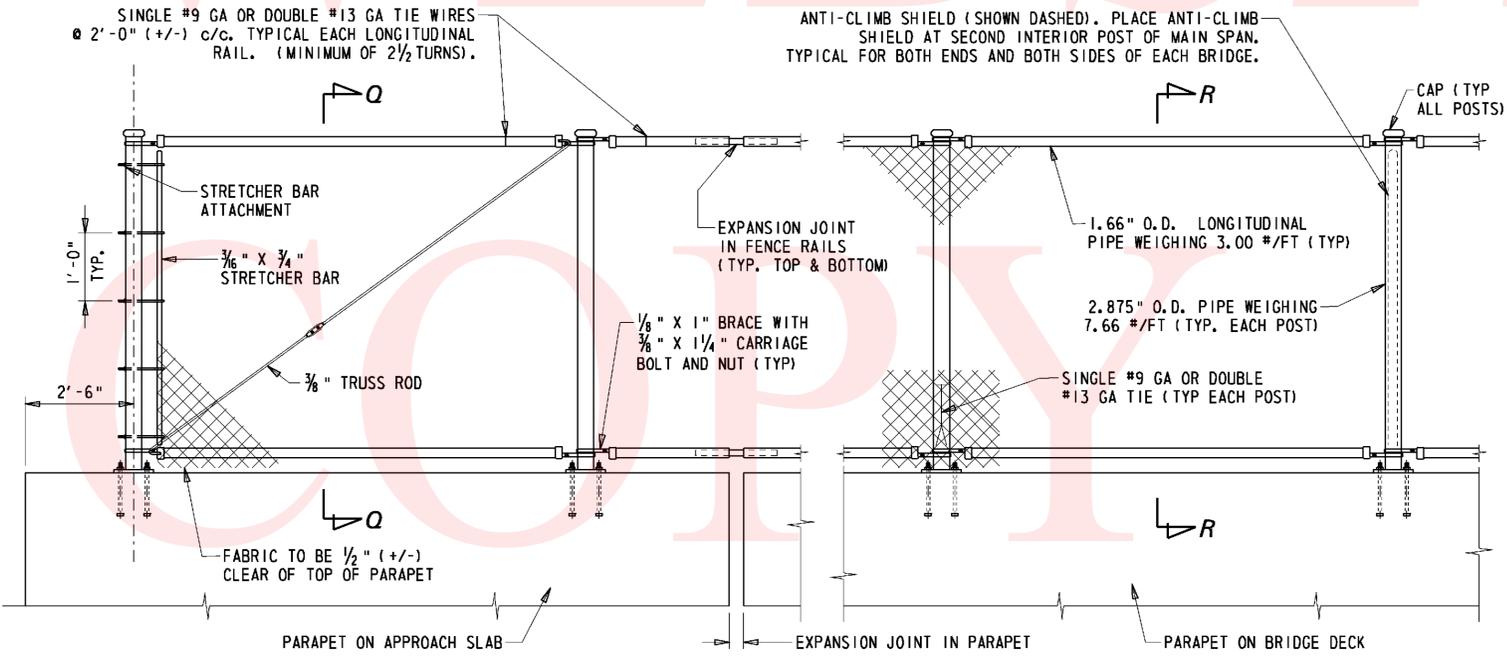


**STRETCHER BAR ATTACHMENT**  
 1/2" = 1'-0"

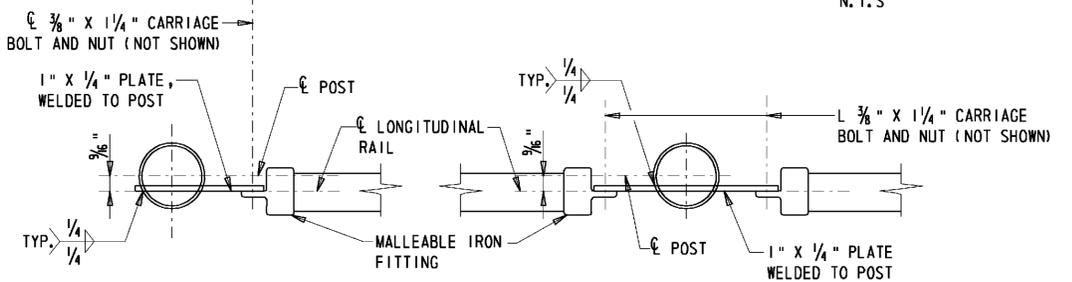


**SIDE VIEW**

**DETAIL B**  
 N. T. S.



**SAFETY FENCE ELEVATION**  
 N. T. S.



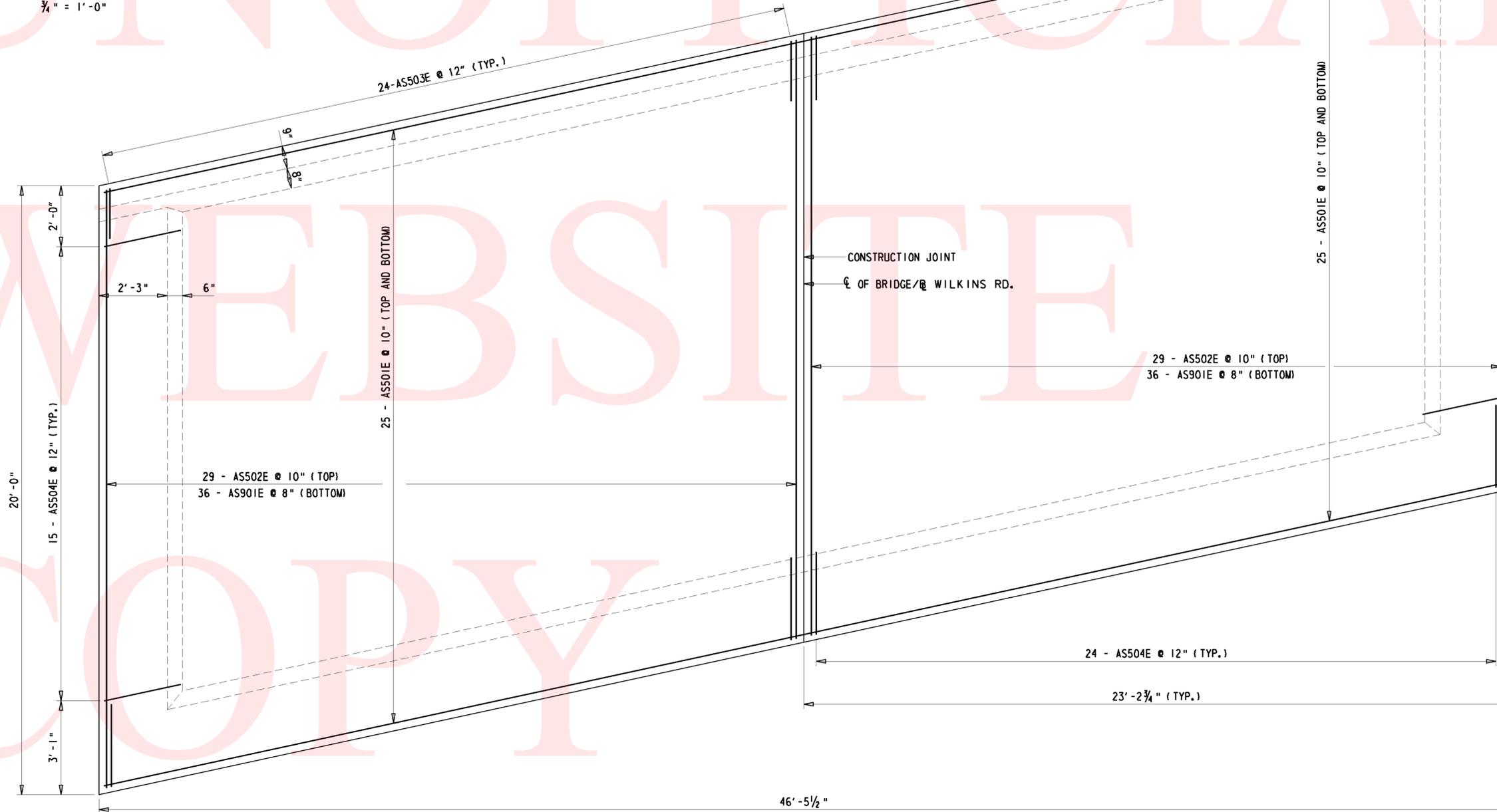
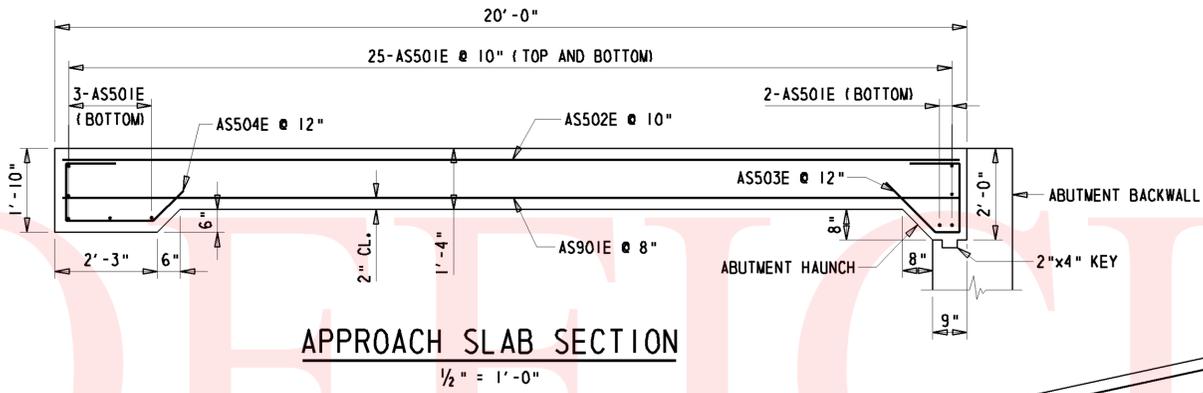
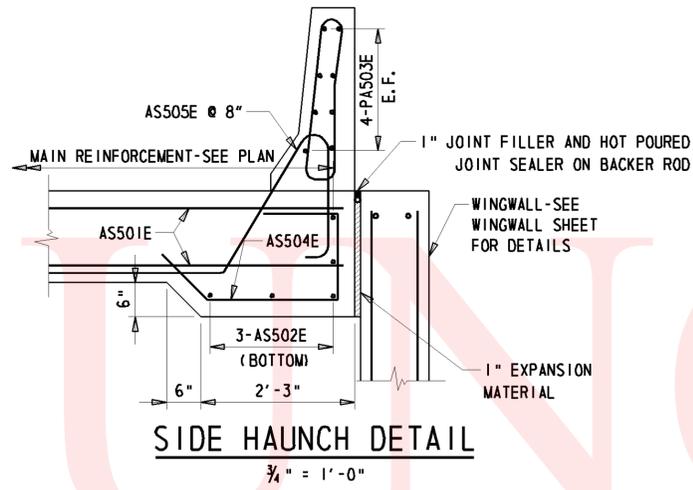
**TOP LONGITUDINAL RAIL-POST ATTACHMENT**  
 N. T. S.

**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. PAYMENT - CHAIN LINK FENCE INCLUDING ANTI-CLIMB SHIELD ITEMS WILL BE PAID UNDER ITEM 727507 - BRIDGE SAFETY FENCE.

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<p><b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS		SCALE: AS NOTED	SR 1, SR 30 GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	3-004	<b>PARAPET &amp; SAFETY FENCE DETAILS</b> BRIDGE SHEET 15 OF 23	SHEET NO.
	T200812201	DESIGNED BY:			KRL, EM	71			
	SUSSEX	CHECKED BY:			BAB, JNH	TOTAL SHTS.			
						133			



NOTE: WEST ABUTMENT  
APPROACH SLAB SHOWN.  
FOR EAST ABUTMENT  
APPROACH SLAB, ROTATE 180°



BORING: MSB # 1 DATE DRILLED: 4/22/2009  
 STATION: OFFSET: ELEVATION: 36.0 NORTHING: 324511.87 EASTING: 664117.22  
 COMMENTS:

DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
0.5'	1	0.5'	3	Moist firm orangish brown clayey fine sandy silt w/some coarse sand, trace of gravel.	A-4(0)	Topsoil - 7".
2.6	2	2.0'	3	15" RECOVERY Moist medium dense orangish brown coarse to fine sand w/some silt, trace of gravel.	A-1-b	
5.2	3	4.0'	3	22" RECOVERY Moist loose silty fine to coarse sand w/trace of gravel.	A-2-4(0)	5" Clay layer.
7.8	4	6.0'	8	19" RECOVERY Moist medium dense orangish tan silty fine sand w/trace of coarse sand.	A-2-4(0)	
10.4	5	8.0'	6	24" RECOVERY Moist medium dense grayish tan silty fine sand w/trace of coarse sand.	A-2-4(0)	
13	6	10.0'	8	22" RECOVERY Moist very stiff grayish tan fine sandy silt w/trace of coarse sand.	A-4(0)	
15.6	7	12.0'	5	22" RECOVERY Moist medium dense grayish tan fine sand w/trace of coarse sand, gravel and silt.	A-3	
18.2	7A	13.0'	6	11" RECOVERY Moist medium dense yellowish brown fine to coarse sand and gravel w/some silt.	A-1-b	
20.8	8	14.0'	5	11" RECOVERY Moist medium dense tan fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
23.4	9	16.0'	5	23" RECOVERY Moist medium dense tan fine to coarse sand w/some silt.	A-2-4(0)	
26	10	18.0'	6	20" RECOVERY Wet loose brown silty fine sand w/some coarse sand.	A-2-4(0)	
28.6		20.0'	4	24" RECOVERY		
31.2	11	24.0'	1	2	A-2-4(0)	Wet very loose orangish brown fine sand w/some silt, trace of coarse sand.
33.8		26.0'	5	20" RECOVERY		
36.4	12	29.0'	2	4	A-2-4(0)	Wet loose orangish brown fine sand w/some coarse sand and silt, trace of gravel.
39		31.0'	4	18" RECOVERY		
	13	34.0'	6	9	A-1-b	Wet medium dense orangish brown coarse sand w/some fine sand and gravel, trace of silt.
		36.0'	8	16" RECOVERY		
	14	39.0'	18	10	A-1-b	Wet medium dense orangish brown coarse to fine sand w/trace of silt and gravel.
		41.0'	12	13" RECOVERY		

DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
44.2	15	44.0'	21	8	A-3	Wet medium dense brown fine to coarse sand w/trace of silt and gravel.
46.8		46.0'	11	16" RECOVERY		
49.4	16	49.0'	13	14	A-1-b	Wet dense brown coarse sand and gravel w/some fine sand, trace of silt.
52		51.0'	26	18" RECOVERY		
54.6	17	54.0'	25	18	A-1-b	Wet dense brownish tan coarse to fine sand w/trace of gravel and silt.
57.2		56.0'	32	16" RECOVERY		
59.8	18	59.0'	5	8	A-3	Wet medium dense brown fine to coarse sand w/trace of silt and gravel.
62.4		61.0'	7	16" RECOVERY		
65	19	64.0'	4	8	A-6(6)	Wet very stiff brownish orange fine sandy clay w/trace of coarse sand.
67.6	19A	65.0'	16	39	A-2-4(0)	11" RECOVERY Wet medium dense brown, tan and gray silty fine to coarse sand.
70.2	U-1	69.0'			A-6(14)	Wet orangish brown and gray silty clay w/trace of fine sand. Press Sample - Shelby Tube.
72.8	20	71.0'	3	4	A-1-b	24" RECOVERY Wet loose orangish brown coarse to fine sand w/trace of silt and gravel.
75.4	21	73.0'	12	13	A-1-b	14" RECOVERY Wet medium dense orangish brown and tan coarse sand w/some fine sand, trace of silt and gravel.
78		75.0'	23	12" RECOVERY		
80.6	22	79.0'	10	8	A-3	Wet medium dense orangish brown fine to coarse sand w/trace of silt.
83.2		81.0'	28	15" RECOVERY		

DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
85.8	23	84.0'	24	5" RECOVERY Wet very dense orangish brown fine to coarse sand w/some silt.	A-2-4(0)	
	23A	84.5'	27	10" RECOVERY Wet very dense gray fine sand w/trace of silt and coarse sand.	A-3	
		85.5'	51			
91	24	89.0'	20	28	A-2-4(0)	Wet very dense gray fine sand w/some silt, trace of coarse sand.
		91.0'	33	21" RECOVERY		
93.6			35			
96.2	25	94.0'	31	31	A-2-4(0)	Wet very dense gray fine sand w/some silt, trace of coarse sand.
		96.0'	41	15" RECOVERY		
98.8			50			
101.4	26	98.0'	20	33	A-2-4(0)	Wet very dense gray fine sand w/some silt, trace of coarse sand.
		100.0'	42	21" RECOVERY		
			42	End of Boring		
104						
106.6						
109.2						
111.8						
114.4						
117						
119.6						
122.2						
124.8						

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 <b>DELAWARE DEPARTMENT OF TRANSPORTATION</b>	ADDENDUMS / REVISIONS		<b>SR 1, SR 30 GRADE SEPARATED INTERSECTION</b>	CONTRACT	BRIDGE NO.	<b>3-004</b>	<b>SOIL BORING LOG #1 BRIDGE SHEET 18 OF 23</b>	SHEET NO.
				T200812201	DESIGNED BY: EM			74
				COUNTY	CHECKED BY: JNH			TOTAL SHTS.
		SUSSEX				133		











INDEX OF SIGN STRUCTURE SHEETS	
SHEET NO	TABLE OF CONTENTS
80	SIGN STRUCTURE NOTES
81	SC 2021 & SC 2022 PLAN & ELEVATION
82	SC 2023 PLAN & ELEVATION
83	FOUNDATION DETAILS
84	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 1 OF 2
85	CANTILEVERED SIGN STRUCTURE DETAILS, SHEET 2 OF 2
86	VMS SIGN STRUCTURE DETAILS
87	SOIL BORING LOG #1
TOTAL SIGN STRUCTURE SHEETS: 8	

SIGN STRUCTURE SCHEDULE					
STRUCTURE NUMBER	ELEMENT	DIAMETER (IN)	THICKNESS (IN)	LENGTH (FT)	CAMBER (IN)
SC 2021/ SC 2022	POST	24	1/8	24.72	0.92
	CHORD	16	3/8	23.00	
	STRUT	4	5/16	VARIES	
	GUSSET PLATE	N.A.	1/2	VARIES	
SC 2023	POST	18	3/8	22.26	
	CHORD	11.25	1/2	9.63	

**A. DESIGN CRITERIA**

**DESIGN SPECIFICATIONS**

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

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

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

**DESIGN LOADS**

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

**FATIGUE LOADS**

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

**CONCRETE DESIGN STRESS**

SPECIFIED COMPRESSIVE STRENGTH (f'c)(CLASS B).... 3,000 PSI  
 EXTREME FIBER COMPRESSIVE STRESS (f'c)..... 1,200 PSI  
 MIX REQUIREMENTS SHALL CONFORM TO SECTION 812 OF THE SPECIFICATIONS.  
 ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.  
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE ANY APPROVED CONCRETE ADDITIVES OR HEATING TECHNIQUES TO MAINTAIN THE PROPER TEMPERATURE FOR ANY CONCRETE POURED DURING COLD WEATHER.  
 PAYMENT SHALL BE INCIDENTAL TO THE RESPECTIVE CONCRETE BID ITEM.

**BAR REINFORCEMENT**

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

**FOUNDATIONS**

FOUNDATIONS SHALL BE DRILLED SHAFTS IN SOIL AND/OR ROCK. CANTILEVERED SIGN STRUCTURES SHALL HAVE A 4'-6" DIAMETER. OVERHEAD SIGN STRUCTURES SHALL HAVE A 4'-0" DIAMETER.

**CAMBER**

PERMANENT CAMBER EQUAL TO L/1000 HAS BEEN PROVIDED IN ADDITION TO THE DEAD LOAD CAMBER. CAMBER NOT APPLIED TO BUTTERFLY CANTILEVERED STRUCTURES.

**B. MATERIALS**

**I. STEEL**

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

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

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

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

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

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

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

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

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

**II. ALUMINUM**

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

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

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

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

**III. SIGN PANEL SUPPORTS**

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

**IV. MISCELLANEOUS MATERIALS**

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

**C. MISCELLANEOUS**

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

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

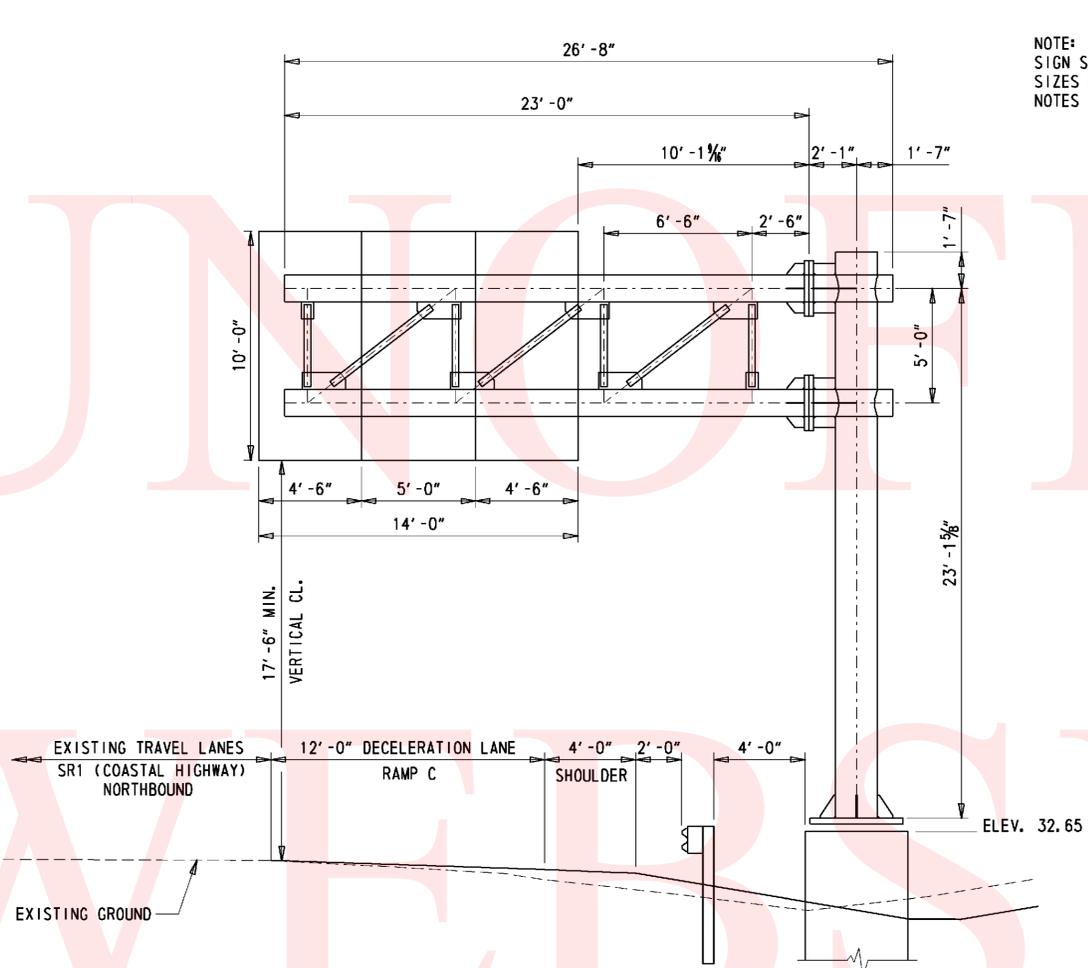
ALL WELDING SHALL BE SUBJECTED TO NON-DESTRUCTIVE TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE ANSI/AASHTO/AWS D1.5-08 BRIDGE WELDING CODE. WELDS IN MAIN MEMBERS SHALL BE ULTRASONICALLY INSPECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

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

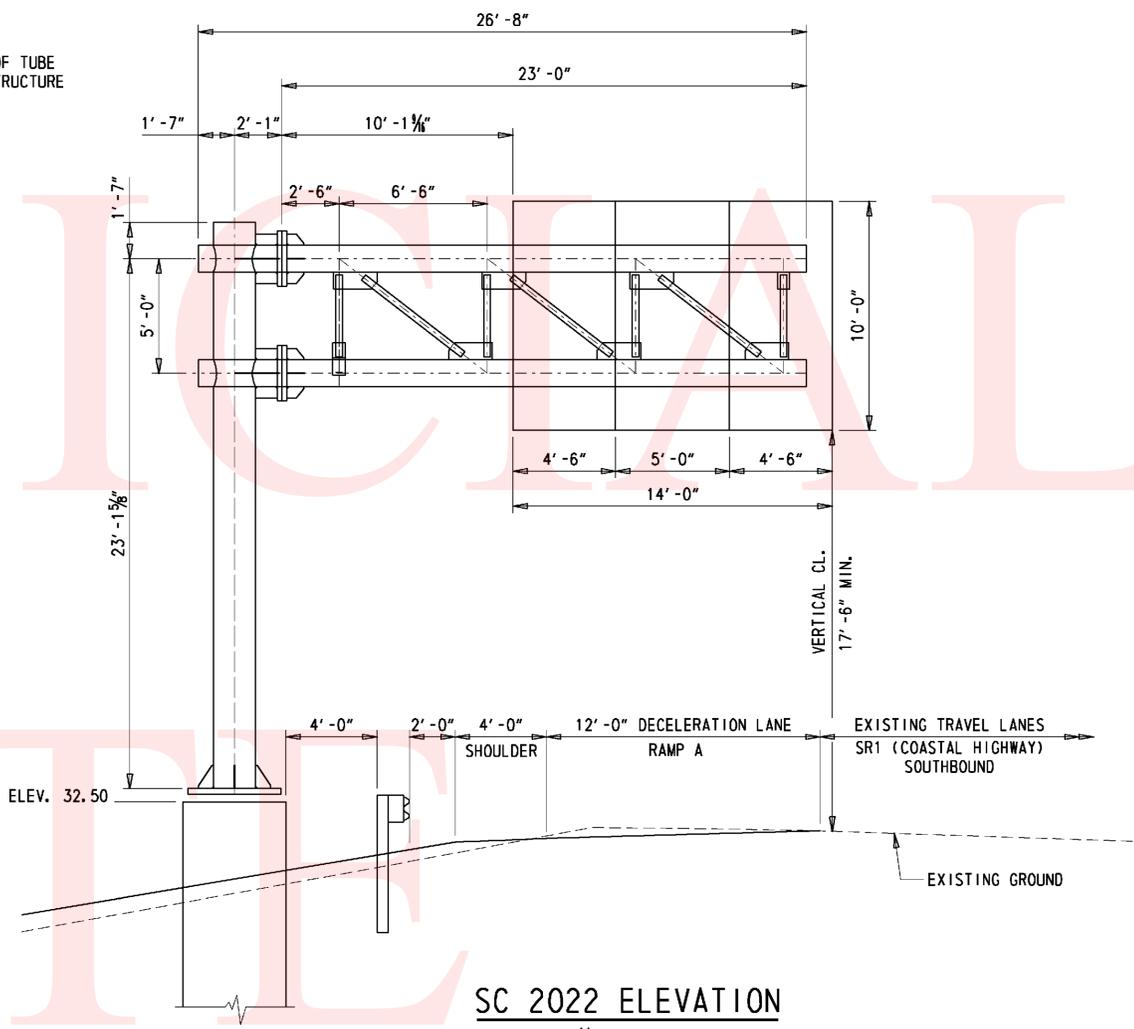
LAST REVISED: 5/5/2009  
 Y:\SUSSEX\04\BRIDGE\T200812201\PLANS\SIGN STRUCTURES\01PINDGN

 <b>DELAWARE DEPARTMENT OF TRANSPORTATION</b>	ADDENDUMS / REVISIONS		<b>SR 1, SR 30 GRADE SEPARATED INTERSECTION</b>	CONTRACT	STRUCTURE NO.	<b>SIGN STRUCTURE NOTES</b>	SHEET NO.
				T200812201	DESIGNED BY: E.M.		80
				COUNTY	CHECKED BY:		TOTAL SHTS.
				SUSSEX			133

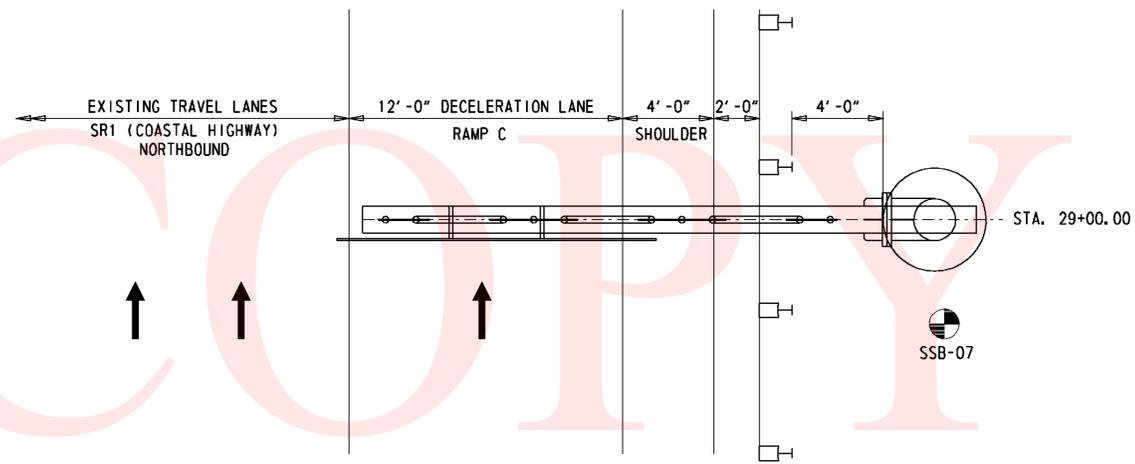
NOTE:  
SIGN STRUCTURE SCHEDULE OF TUBE  
SIZES PROVIDED ON SIGN STRUCTURE  
NOTES SHEET.



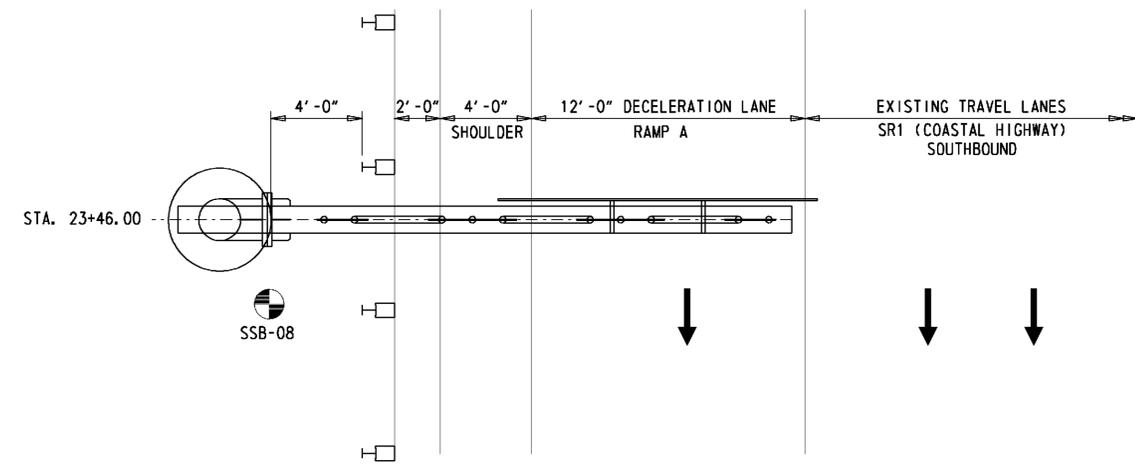
SC 2021 ELEVATION  
1/4" = 1'-0"



SC 2022 ELEVATION  
1/4" = 1'-0"



SC 2021 PLAN  
1/4" = 1'-0"



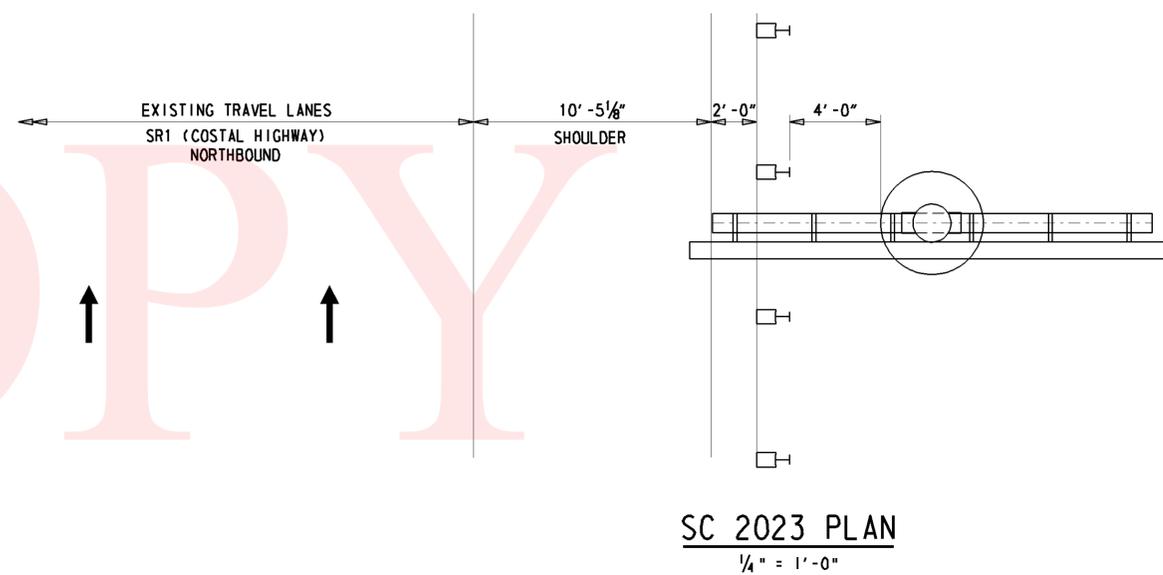
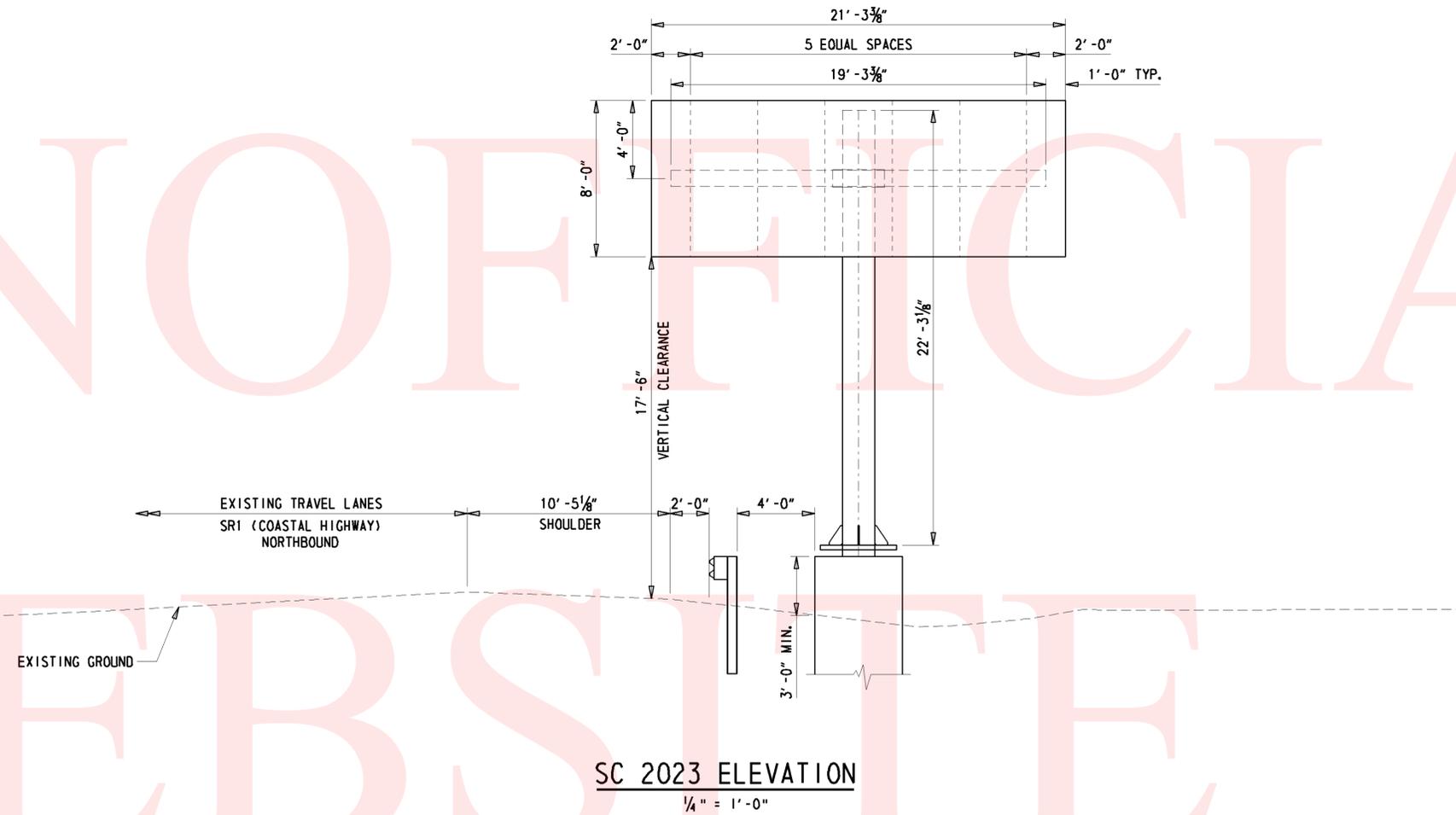
SC 2022 PLAN  
1/4" = 1'-0"

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ADDENDUMS / REVISIONS	

CONTRACT	STRUCTURE NO.	<b>SC 2021/2022</b>
T200812201	DESIGNED BY:	EM
COUNTY	CHECKED BY:	
SUSSEX		

NOTE:  
SIGN STRUCTURE SCHEDULE OF TUBE  
SIZES PROVIDED ON SIGN STRUCTURE  
NOTES SHEET.  
SEE ROADWAY PLANS FOR STRUCTURE LOCATION.



UNOFFICIAL

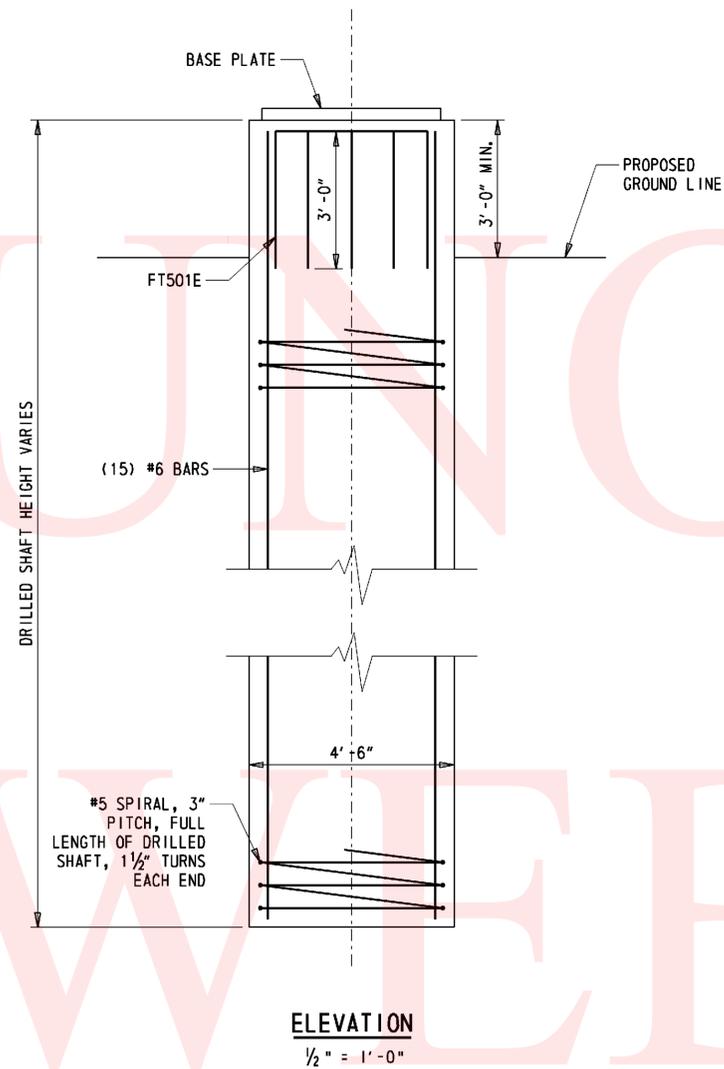
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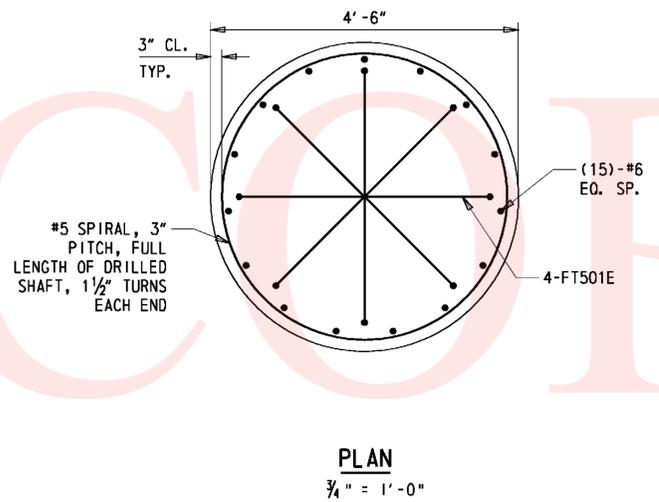
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ADDENDUMS / REVISIONS	

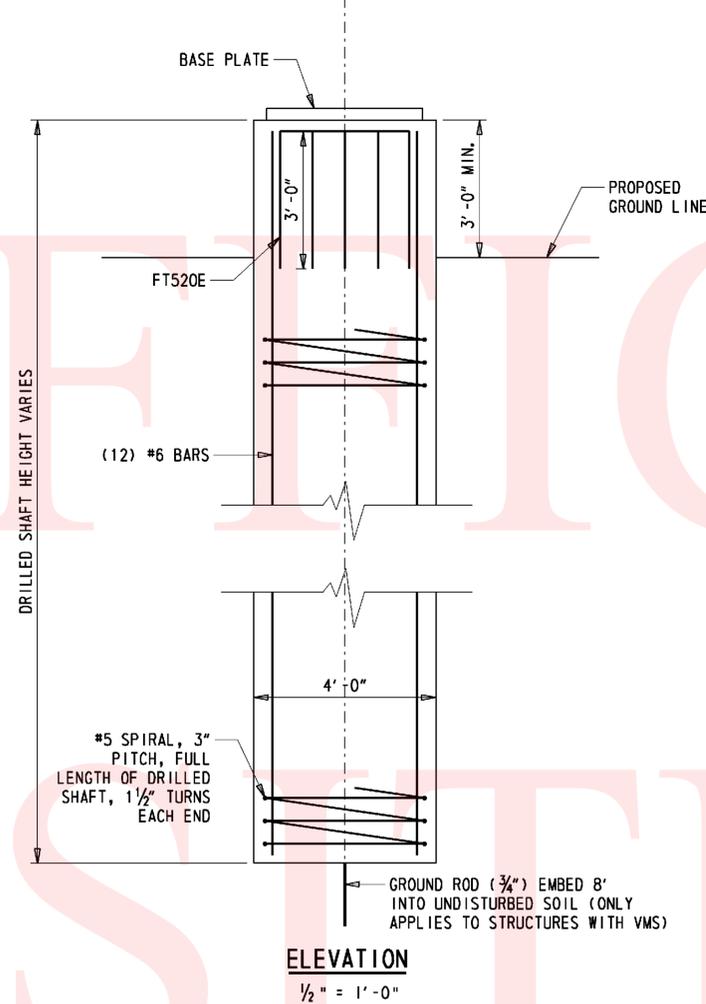
CONTRACT T200812201	STRUCTURE NO. SC 2023
COUNTY SUSSEX	DESIGNED BY: EM
	CHECKED BY:



**ELEVATION**  
1/2" = 1'-0"

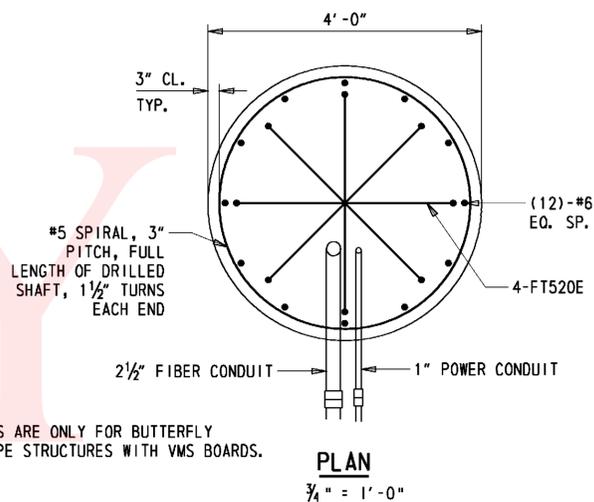


**PLAN**  
3/4" = 1'-0"  
**CANTILEVER DRILLED SHAFT DETAILS**



**ELEVATION**  
1/2" = 1'-0"

NOTE: CONDUITS ARE ONLY FOR BUTTERFLY CANTILEVER TYPE STRUCTURES WITH VMS BOARDS.

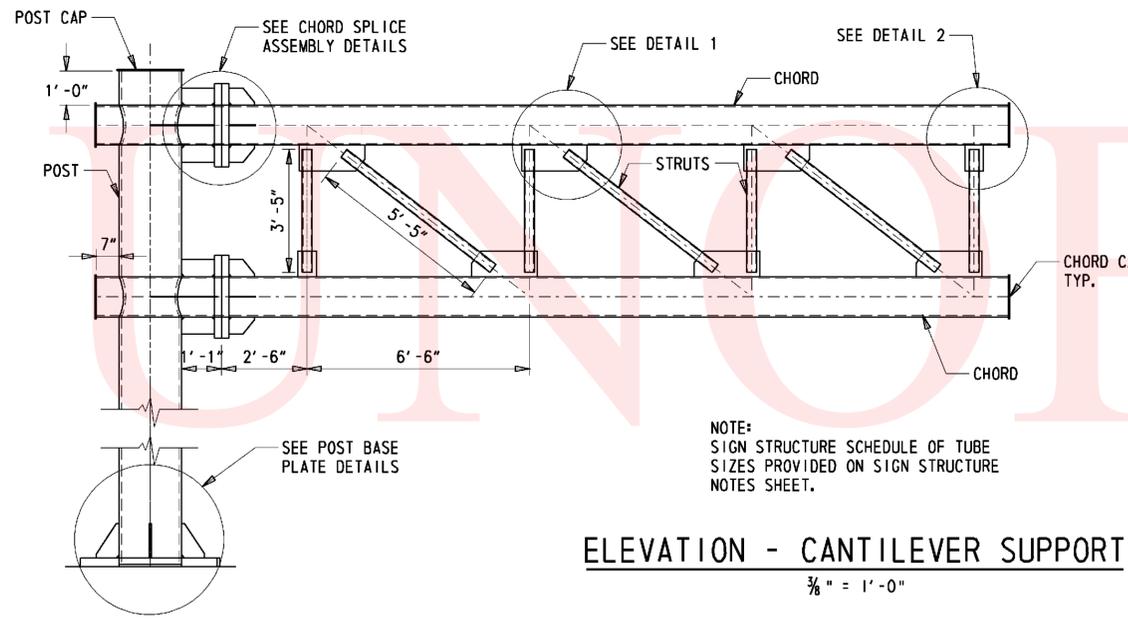


**PLAN**  
3/4" = 1'-0"  
**OVERHEAD AND BUTTERFLY CANTILEVERED DRILLED SHAFT DETAILS**

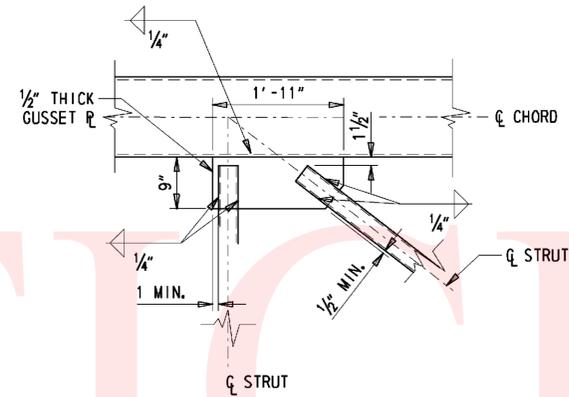
DRILLED SHAFT SCHEDULE				
STRUCTURE NUMBER	SHAFT HEIGHT	DIAMETER (FT)	REINFORCING LENGTH	
			VERTICAL	SPIRAL
SC 2021	20	4.5	19.5	19.5
SC 2022	25	4.5	24.5	24.5
SC 2023	20	4.0	19.5	19.5

- NOTES:**
- ALL ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION AND CONSTRUCTION.
  - APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM SPIRALS TO ENSURE THAT THE REQUIRED CLEAR DISTANCE TO THE CASING IS MAINTAINED.
  - COST OF SOIL EXCAVATION, REINFORCING STEEL AND CONCRETE IN DRILLED SHAFT SHALL BE INCLUDED IN THE PRICE FOR ITEM 605664 AND 749503 AS APPROPRIATE.
  - IT IS THE RESPONSIBILITY OF THE PROSPECTIVE CONTRACTORS AND SUBCONTRACTORS TO INSPECT THE SITES IN THE FIELD WHERE DRILLED SHAFTS WILL BE BUILT PRIOR TO SUBMITTING THEIR PROPOSALS, TO DETERMINE THE ACCESSIBILITY TO THE VARIOUS LOCATIONS, ASCERTAIN THE CONDITIONS UNDER WHICH THE WORK WILL BE CONDUCTED, AND ESTABLISH THE EQUIPMENT THAT WILL BE REQUIRED TO EXPEDITIOUSLY PERFORM THE WORK, INCLUDING WORK IN ANY AREAS WITH LOW OVERHEAD AND/OR NEAR HIGH TENSION POWER LINES OR ADJACENT TO ACTIVE TRAFFIC.
  - DRILLED SHAFT INSTALLATIONS SHALL BE PERFORMED BY A SPECIALTY CONTRACTOR EXPERIENCED IN DRILLED FOUNDATION CONSTRUCTION WITH SUITABLE EQUIPMENT AND COMPETENT PERSONNEL. THE SPECIALTY CONTRACTOR SHALL BE SUBJECT TO ENGINEER APPROVAL.
  - SOILS BENEATH EXISTING GROUND SURFACE MAY CONTAIN OBSTRUCTIONS, SUCH AS COBBLES AND BOULDERS. CLASSIFICATION SHALL BE BASED ON SECTION 205.02 OF THE STANDARDS AND SOIL OR ROCK EXCAVATION PAID ACCORDINGLY.
  - CONSTRUCTION OF DRILLED SHAFT FOUNDATIONS MAY REQUIRE THE USE OF TEMPORARY CASING. THE LENGTH OF DRILLED SHAFT SHALL BE ADJUSTED IN THE FIELD AS REQUIRED.
  - IF DRILLED SHAFT EXCAVATION IS UNSHORED (TEMPORARY CASING) CONCRETE SHALL BE PLACED IN THE SAME WORKING DAY AS EXCAVATION TAKES PLACE.

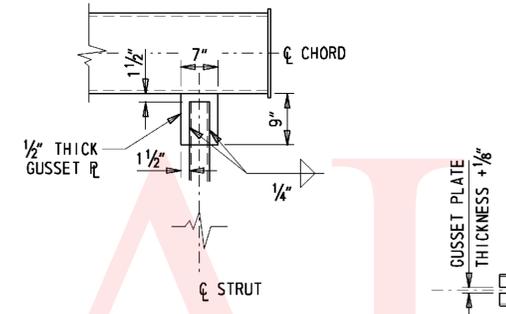
Y:\NEWCASTL\059\BRIDGE\2510602\SIGN STRUCTURES\PLANS\FT.DGN



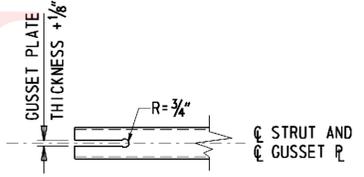
**ELEVATION - CANTILEVER SUPPORT**  
3/8" = 1'-0"



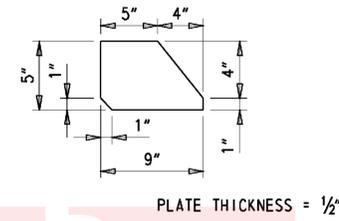
**DETAIL 1**  
3/4" = 1'-0"



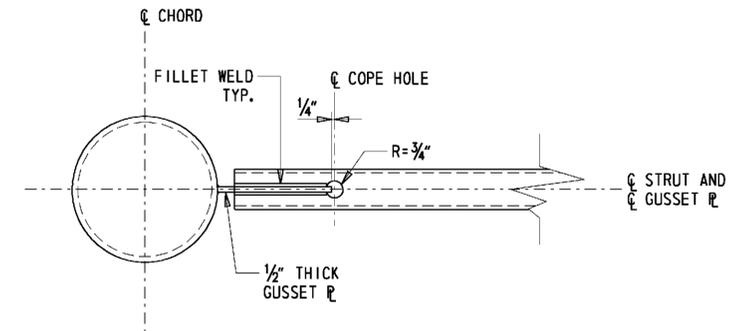
**DETAIL 2**  
3/4" = 1'-0"



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

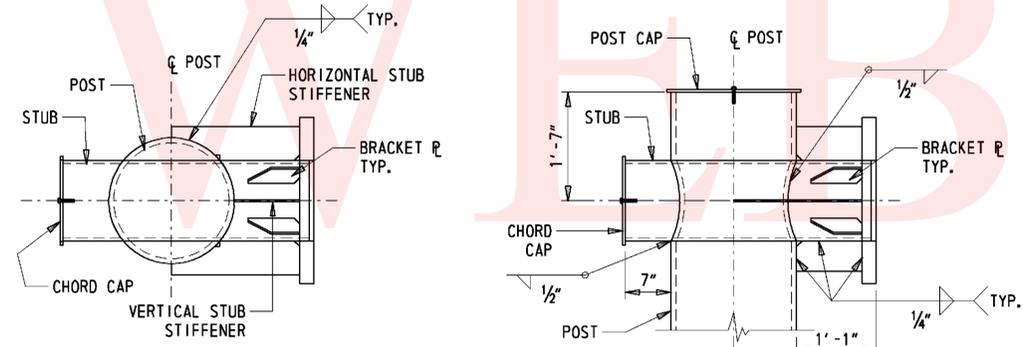


**BRACKET PLATE DETAIL**  
1/2" = 1'-0"

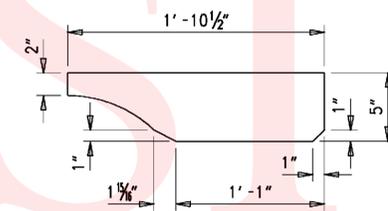


NOTE: COPE HOLES TO BE PROVIDED AT BOTH ENDS AND BOTH FACES OF ALL STRUTS.

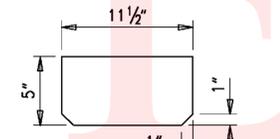
**COPE HOLE DETAIL**  
1/2" = 1'-0"



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

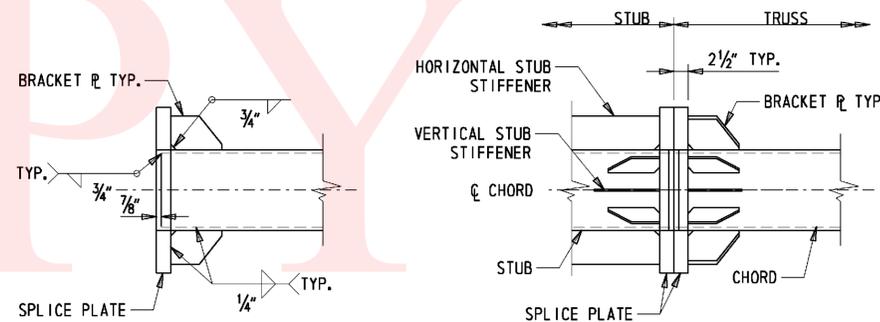


**HORIZONTAL STUB STIFFENER DETAIL**  
1/2" = 1'-0"

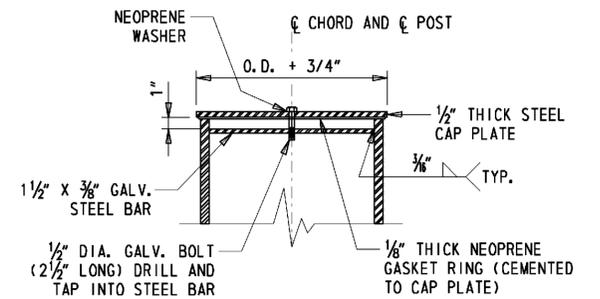
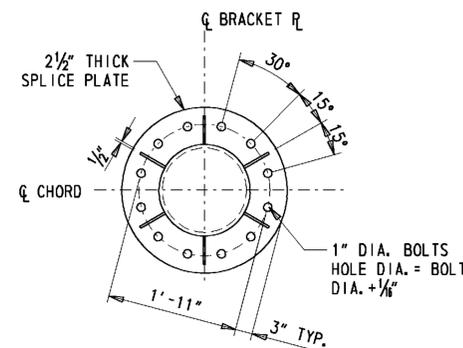


**VERTICAL STUB STIFFENER DETAIL**  
1/2" = 1'-0"

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



**CHORD SPLICE ASSEMBLY DETAILS**  
3/4" = 1'-0"



**POST OR CHORD CAP DETAIL**  
1/2" = 1'-0"

ADDENDUMS / REVISIONS

SCALE: AS NOTED

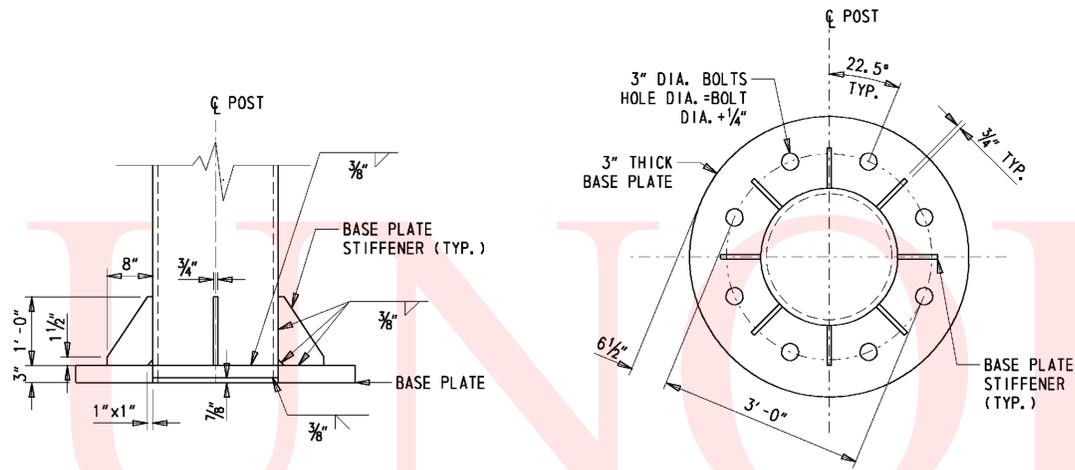
SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION

CONTRACT  
T200812201  
COUNTY  
SUSSEX

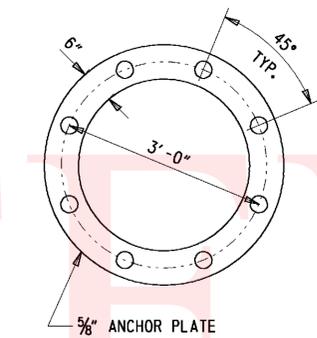
STRUCTURE NO.  
DESIGNED BY: E.M.  
CHECKED BY:

CANTILEVERED SIGN  
STRUCTURE DETAILS  
SHEET 1 OF 2

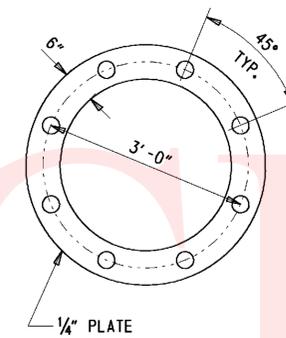
SHEET NO.  
84  
TOTAL SHTS.  
133



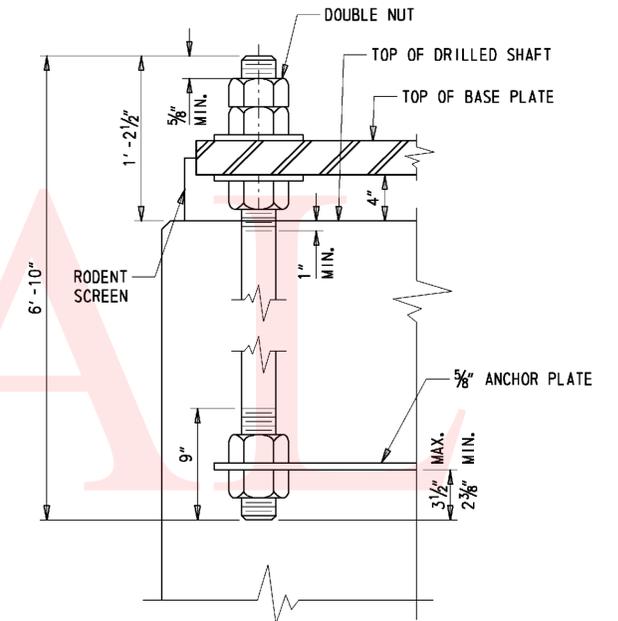
**POST BASE PLATE DETAILS**  
3/4" = 1'-0"



**ANCHOR PLATE DETAIL**  
3/4" = 1'-0"



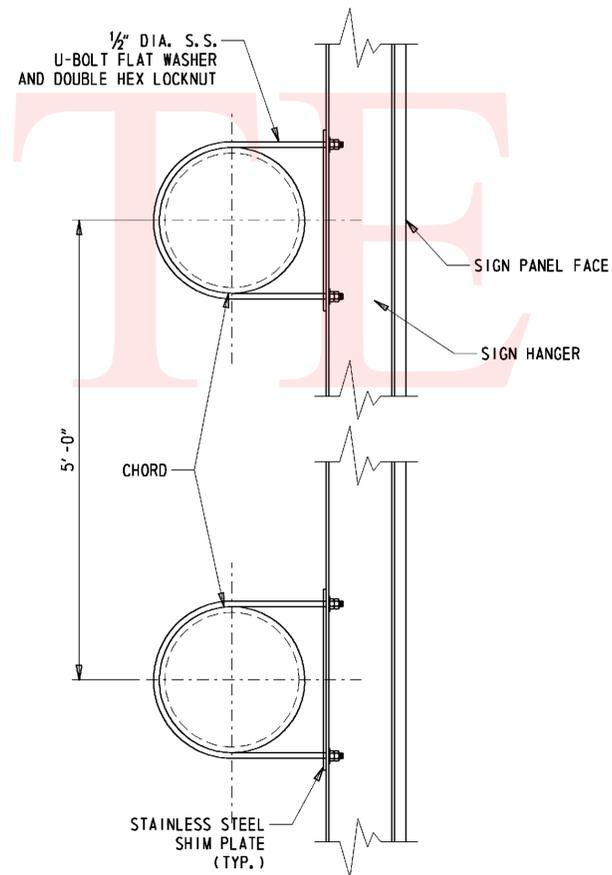
**TEMPLATE PLATE DETAIL**  
3/4" = 1'-0"



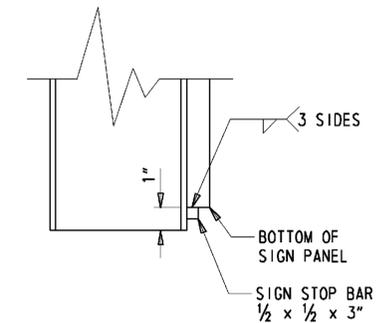
**ANCHOR BOLT DETAIL**  
1/2" = 1'-0"

**POST BASE NOTES:**

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



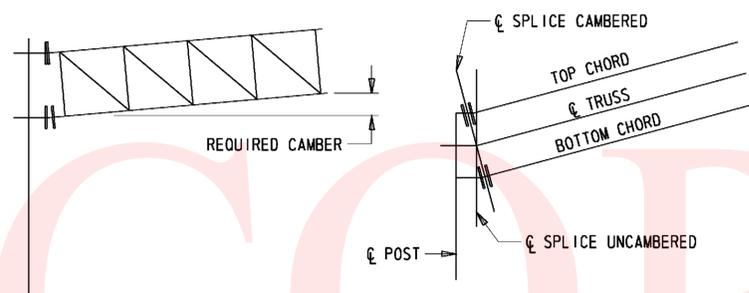
**TYPICAL SIGN HANGER DETAIL**  
1/2" = 1'-0"



**SIGN STOP DETAIL**  
3" = 1'-0"

**SIGN HANGER NOTES:**

1. LENGTH OF SIGN HANGERS SHALL BE EQUAL TO THE SIGN PANEL HEIGHT PLUS 1" AT BOTTOM FOR STOP BAR.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT SIGN PANEL TO SIGN HANGER CONNECTION DETAILS FOR ENGINEER APPROVAL.
3. ALL SHIM PLATES, BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL CONFORMING TO ASTM SPECIFICATION A320 GRADE B8, CLASS 1.
4. ALUMINUM I-BEAMS (DEPTH = 4", WEB AND FLANGE THICKNESS = 1/4", FLANGE WIDTH = 3 1/2").
5. MODIFICATIONS TO ANY TRUSSING-CHORD GUSSET PLATE CONNECTION IN ORDER TO ACCOMMODATE SIGN PANEL SUPPORTS SHALL NOT BE PERMITTED.
6. SIGN HANGERS SHALL BE INCIDENTAL TO ITEM 605664 AND 749503 AS APPROPRIATE.



**CAMBER DIAGRAM**  
N. T. S.

**CAMBER DETAIL**  
N. T. S.

**CAMBER NOTE:**

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

ADDENDUMS / REVISIONS

SCALE: AS NOTED

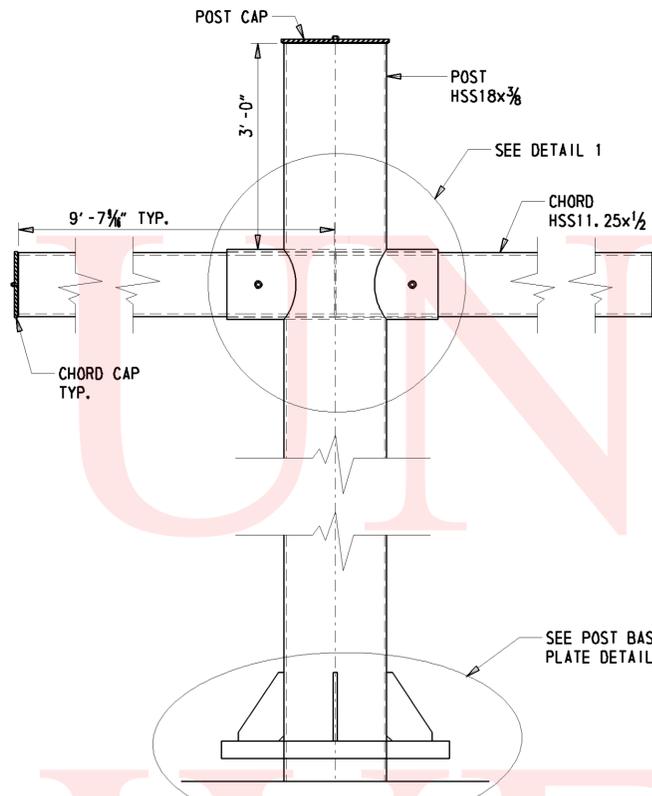
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GRADE SEPARATED  
INTERSECTION

CONTRACT  
T200812201  
COUNTY  
SUSSEX

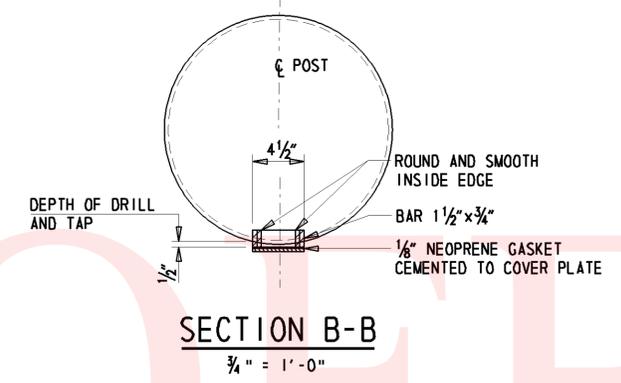
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DESIGNED BY: E.M.  
CHECKED BY:

CANTILEVERED SIGN  
STRUCTURE DETAILS  
SHEET 2 OF 2

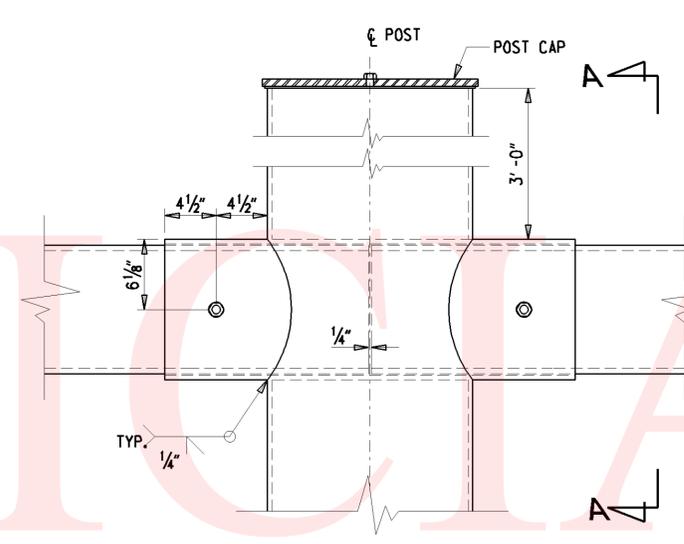
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85  
TOTAL SHTS.  
133



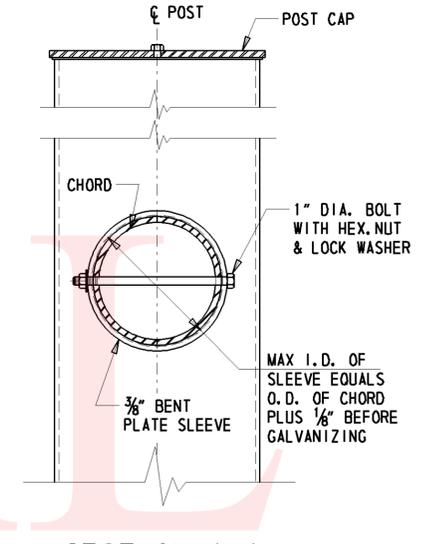
**ELEVATION - VMS BUTTERFLY SUPPORT**  
3/4" = 1'-0"



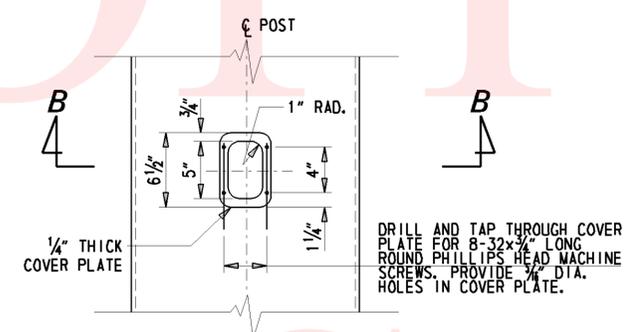
**SECTION B-B**  
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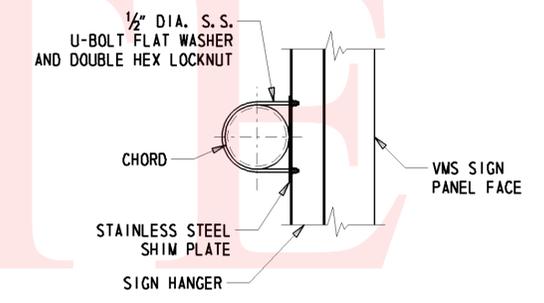
**DETAIL 1**  
1/2" = 1'-0"



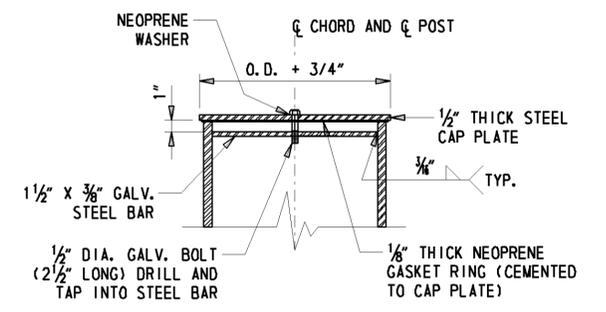
**SECTION A-A**  
1/2" = 1'-0"



**HAND HOLE DETAILS**  
1/2" = 1'-0"

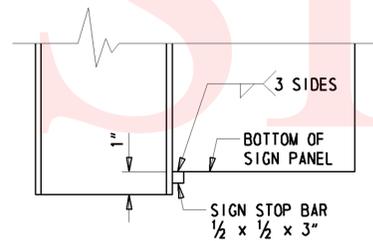


**TYPICAL SIGN HANGER DETAIL**  
3/4" = 1'-0"

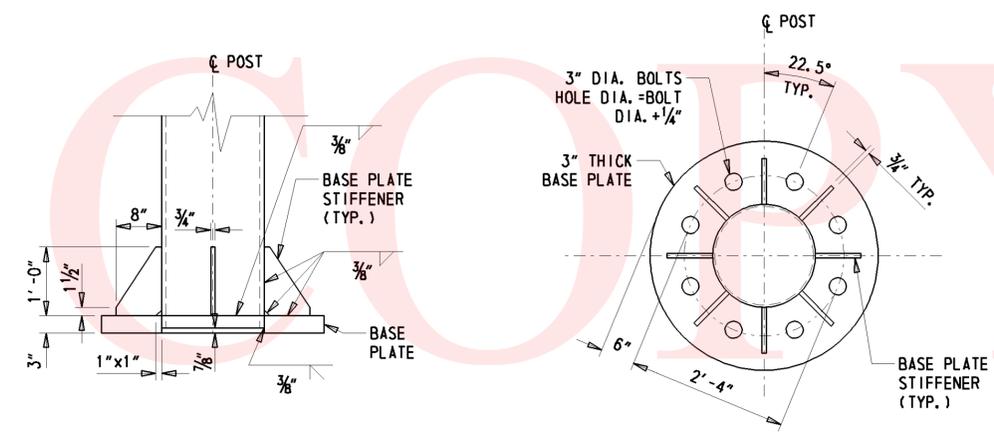


**POST OR CHORD CAP DETAIL**  
1/2" = 1'-0"

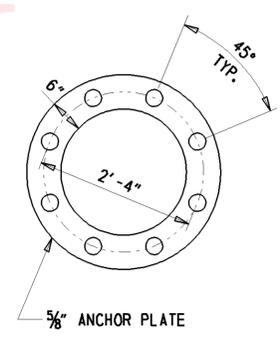
- NOTES:**
1. LENGTH OF SIGN HANGERS SHALL BE EQUAL TO THE SIGN PANEL HEIGHT PLUS 1" AT THE BOTTOM FOR STOP BAR.
  2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT SIGN PANEL AND SIGN HANGER CONNECTION DETAILS TO ENGINEER FOR APPROVAL. SIGN HANGERS SHALL BE INCIDENTAL TO ITEM #749503.
  3. ALL SHIM PLATES, BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL CONFORMING TO ASTM SPECIFICATION A320 GRADE B8, CLASS 1.
  4. MODIFICATIONS TO CHORD IN ORDER TO ACCOMMODATE SIGN PANEL SUPPORTS SHALL NOT BE PERMITTED.
  5. INTERMEDIATE CHORD SPLICING SHALL NOT BE PERMITTED.



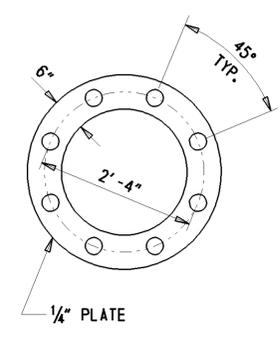
**SIGN STOP DETAIL**  
3" = 1'-0"



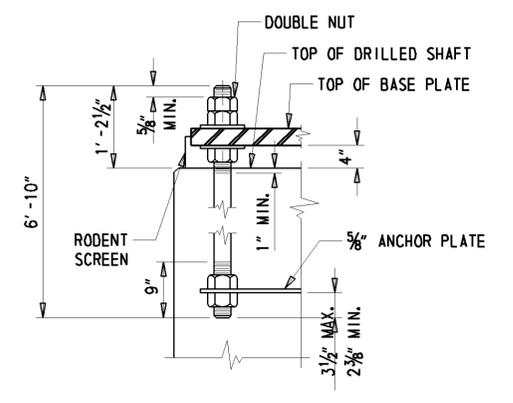
**POST BASE PLATE DETAILS**  
3/4" = 1'-0"



**ANCHOR PLATE DETAIL**  
3/4" = 1'-0"



**TEMPLATE PLATE DETAIL**  
3/4" = 1'-0"



**ANCHOR BOLT DETAIL**  
3/4" = 1'-0"

Y:\NEWCASTL\059\BRIDGE\25\10602\SIGN STRUCTURES\DT\_1.DGN

ADDENDUMS / REVISIONS

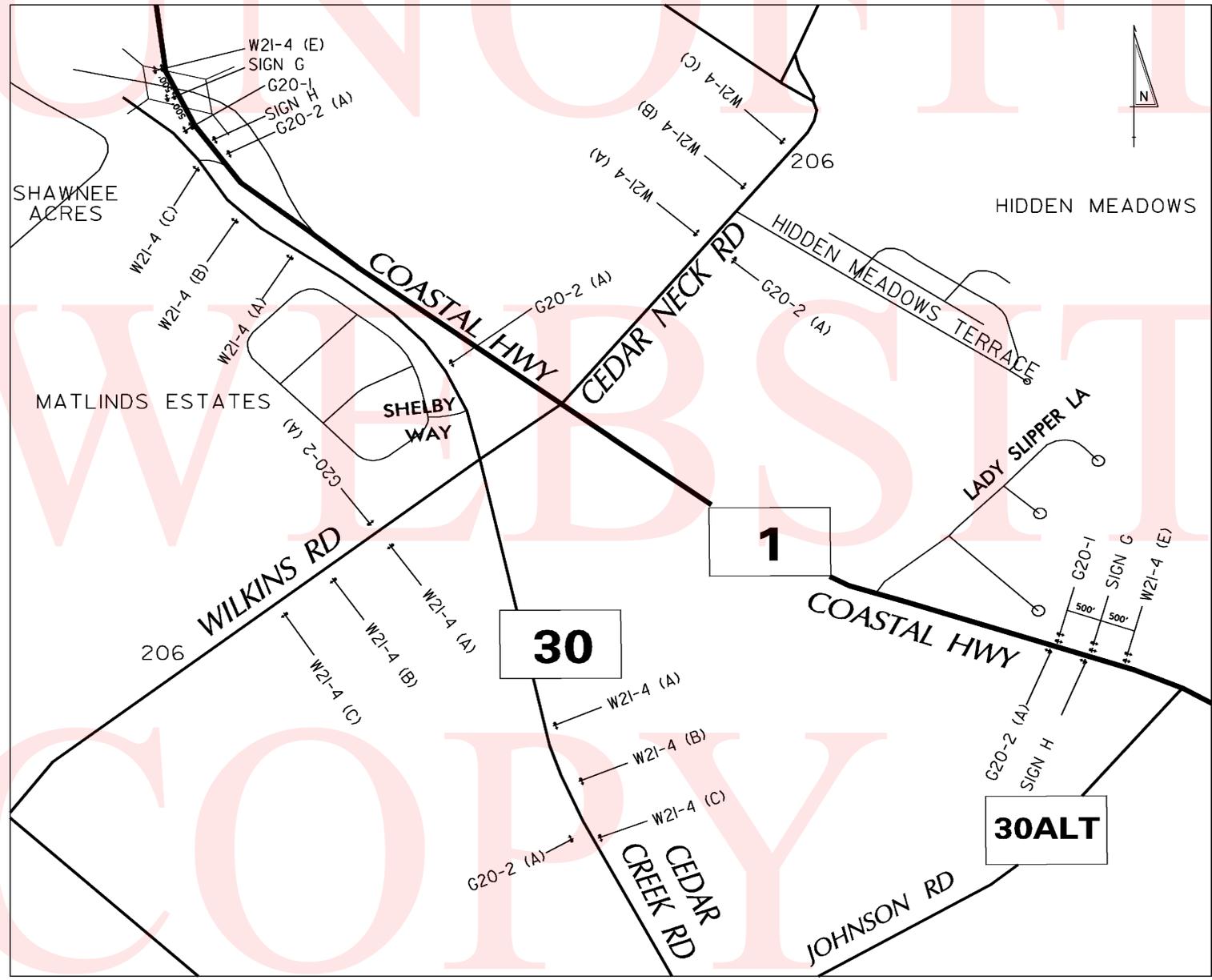
CONTRACT T200812201	STRUCTURE NO. SC 2023
COUNTY SUSSEX	DESIGNED BY: E.M. CHECKED BY:



**TRAFFIC CONTROL NOTES:**

- THE CONTRACTOR SHALL PLACE PCMS ON NORTH AND SOUTHBOUND SR1, NORTH AND SOUTHBOUND SR30 & EAST AND WESTBOUND S206 IN ADVANCE OF THE PROJECT AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE PLACED A MINIMUM OF TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION TO ALERT ROAD USERS OF IMPENDING CONSTRUCTION ACTIVITIES. THE MESSAGE SHALL READ "ROAD WORK STARTING" \*XX/XX/XX EXPECT DELAYS".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH OTHER CONTRACTORS IN THE AREA. ANY COSTS SHALL BE INCIDENTAL TO THE CONTRACT.
- 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.
- THE TAPER LENGTH FOR THE TEMPORARY STRIPING TAPERS FOR LANE SHIFTS SHALL BE COMPUTED AS THE WIDTH OF THE TAPER BEING INSTALLED MULTIPLIED BY THE POSTED SPEED LIMIT OF THE ROADWAY TO BE SHIFTED.
- ALL RAISED PAVEMENT MARKER (RPM) REFLECTIVE LENSES ALONG NORTHBOUND AND SOUTHBOUND SR1 THAT ARE NO LONGER IN USE AND CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS IN USE BY THE TRAVELING PUBLIC SHALL BE REMOVED BY THE REMOVAL OF THE REFLECTIVE LENS FROM THE RPM HOUSING. REMOVAL OF RPM LENSES SHALL BE INCIDENTAL TO THE PRICE BID FOR ITEM \*763500 - MAINTENANCE OF TRAFFIC.
- ALL TEMPORARY PORTLAND CEMENT CONCRETE BARRIER SHALL BE TAPERED AT NO GREATER THAN A 15:1 ANGLE.

**AWS LAYOUT**



**CONSTRUCTION ZONE WARNING SIGNS**

**\* DISTANCE LEGEND**

LETTER	DISTANCE
A	500 FT
B	1000 FT
C	1500 FT
D	1/2 MILE
E	AHEAD
F	BOTH SHOULDERS CLOSED

\* NOTE: THE CONTRACTOR SHALL LAYOUT SIGN LOCATIONS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION. ALL PERMANENT WARNING SIGNS SHALL BE PAID UNDER ITEM \*743504. THE COVERING OF ANY CONFLICTING SIGNS SHALL BE INCIDENTAL TO ITEM \*743504.

**ROAD WORK NEXT 2 MILES**  
G20-1  
72" X 48"

**END ROAD WORK**  
G20-2 (A)  
36" X 24"

**ROAD WORK \***  
W21-4  
48" X 48"

**BEGIN HIGHER FINES ZONE**  
SIGN 'G'  
R2-10  
36" X 48"

**END HIGHER FINES ZONE**  
SIGN 'H'  
R2-II  
36" X 48"

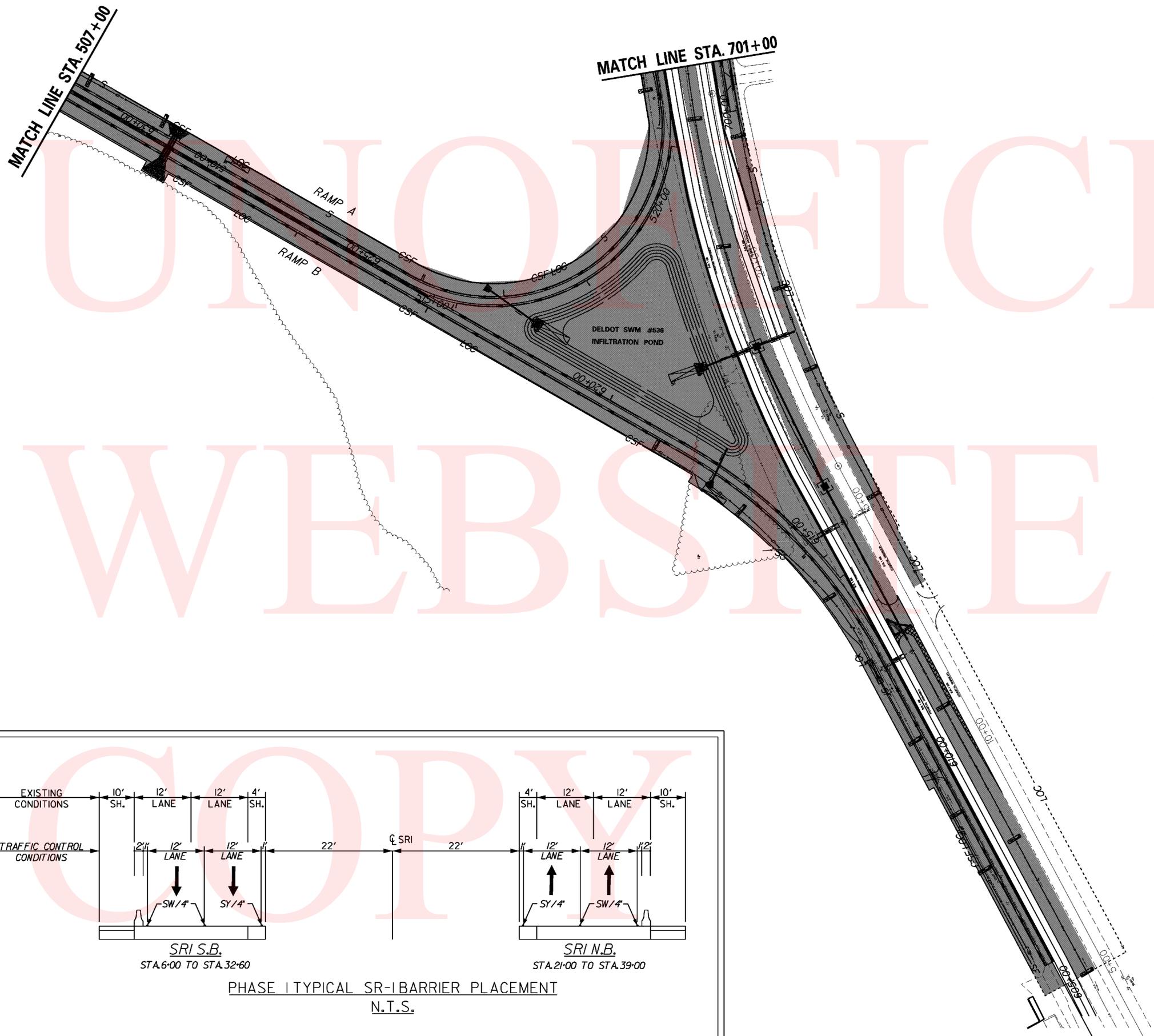
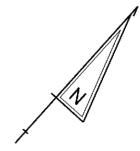
Phase #	Time Restrictions for Lane Closures	
	Summer Months (April – September)	Non Summer Months (October – March)
Phase 1: Off-Alignment work	NO RESTRICTIONS	
Phase 1 SR 1		
• Installation/Removal of temporary PCC barrier	NB: 8PM – 6AM (Monday PM – Saturday AM) SB: 8PM – 6AM (Sunday PM – Friday AM)	NB: 8PM – 6AM (Sunday PM – Friday AM) SB: 8PM – 6AM (Sunday PM – Friday AM)
• Installation of crosspipes across SR 1		
Phase 2:		
• Bridge Work across SR 1*		
• Modify median crossover south of Intersection of SR1 and SR30 at Station 12+50	NB: 8PM – 6AM (Monday PM – Saturday AM) SB: 8PM – 6AM (Sunday PM – Friday AM)	NB: 8PM – 6AM (Sunday PM – Friday AM) SB: 8PM – 6AM (Sunday PM – Friday AM)
Phase 3 SR 30		
Stage 1:		
• Shoulder Widening and drainage improvements		
Stage 2** & Stage 3**:		
• Installation/Removal of temporary PCC barrier	NB: 8PM – 6AM (Monday PM – Saturday AM) SB: 8PM – 6AM (Sunday PM – Thursday AM)	NB: 8PM – 6AM (Sunday PM – Friday AM) SB: 8PM – 6AM (Sunday PM – Friday AM)
• Installation of temporary striping for the proposed lane shifts		
Stage 4:		
• Mill and overlay operation	SR 30 8PM – 6AM (Monday PM – Friday AM)	SR 30 8PM – 6AM (Monday PM – Friday AM)
SR 1		
Stage 4:		
• Mill and overlay operation		
• Installation of RPMs, rumble strips, and permanent striping		

\*The time restrictions are for the nightly closures of SR 1 in either direction for the placement of the bridge beams  
\*\*Proposed lane closures are performed in conjunction with the approved detours for Phase 3: Stage 2 and Phase 3: Stage 3

NOTE:  
1. ON SR1, PLACE ADVANCE WARNING SIGNS ON BOTH THE LEFT AND RIGHT SIDES OF THE TRAVEL LANES.

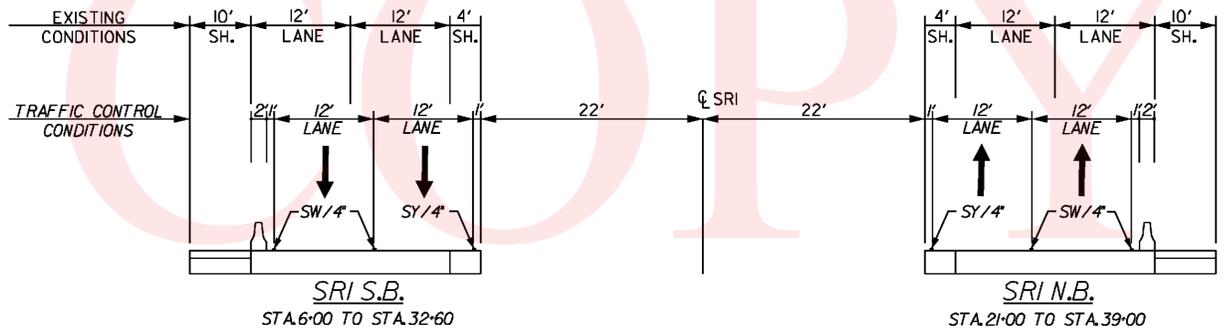
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**PROPOSED WORK FOR ACTIVE PHASE**



**PHASE I**

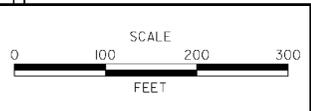
1. INSTALL ALL PERMANENT WARNING SIGNS AS PER AWS SHEET.
2. INSTALL EROSION & SEDIMENT CONTROL AS SHOWN FOR PHASE I.
3. USING TYPICAL APPLICATION 33 (TA-33) OF THE LATEST VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CLOSE ONE LANE AT A TIME ON SR1, REMOVE EXISTING STRIPING AND PLACE TEMPORARY STRIPING FOR LANE SHIFT. AFTER COMPLETION OF STRIPING, CLOSE RIGHT LANE AND INSTALL CONCRETE SAFETY BARRIER. THE CONTRACTOR MAY CHOOSE TO WORK ON THE NORTHBOUND AND SOUTHBOUND SIDES OF SR1 CONCURRENTLY AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL USE TYPICAL APPLICATION 36 (TA-36) FOR LAYOUT AND INSTALLATION OF ANY ADDITIONAL ADVANCE WARNING SIGNS REQUIRED FOR LANE SHIFTS.
4. CONSTRUCT RAMPS C & D AND ALL RELATED OFF-ALIGNMENT IMPROVEMENTS. CONSTRUCT EASTERN SECTION OF REALIGNED WILKINS ROAD TO PROVIDE TEMPORARY TIE-IN TO RAMPS C & D. TOP LAYER OF HOTMIX MAY BE INSTALLED LATER AS APPROVED BY ENGINEER.
5. USING TA-33 OF THE MUTCD CLOSE ONE LANE AT A TIME ON SOUTHBOUND SR1, INSTALL CROSSROAD PIPE AT STATION 18+50 STARTING AT THE DISCHARGE END. CONTRACTOR SHALL CONCURRENTLY REMOVE SECTIONS OF PIPE AT STA. 14+75 & STA. 12+25 AS SHOWN. CONTRACTOR SHALL THEN CLOSE ONE LANE AT A TIME ON NORTHBOUND SR-1 TO INSTALL REMAINING SECTION OF PIPE AT STA. 18+50, PIPE AT STA. 33+25 AND TO PLUG REMAINING SECTION OF PIPE AT STA. 12+25. CONTRACTOR SHALL INSTALL REMAINING MEDIAN DRAINAGE ITEMS AND GRADE NORTHBOUND ROADSIDE DITCH TO DRAIN TO STA. 18+50.
6. USING TA-33, MODIFY MEDIAN CROSSOVER AT STA. 12+75. INSTALL CONCRETE ISLAND AND FULL DEPTH PAVING TO TOP OF THE TYPE B LAYER. GRADE TO DRAIN AND STABILIZE ALL DISTURBED AREAS.
7. CONSTRUCT RAMPS A & B. CONSTRUCT TEMPORARY TIE-IN TO SR30. CONSTRUCT STORMWATER FACILITY #536 LOCATED IN RAMP A&B GORE AREA. USING TA-33, REMOVE CONCRETE SAFETY BARRIER FROM SOUTHBOUND SR1, REMOVE TEMPORARY STRIPING FOR LANES SHIFT AND RESTRIPE TRAVELED WAY. OPEN RAMPS A & B TO TRAFFIC.
8. ALL UTILITY RELOCATIONS MUST BE COMPLETED PRIOR TO OR DURING PHASE I CONSTRUCTION.



PHASE I TYPICAL SR-1 BARRIER PLACEMENT  
N.T.S.

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ADDENDUMS / REVISIONS	



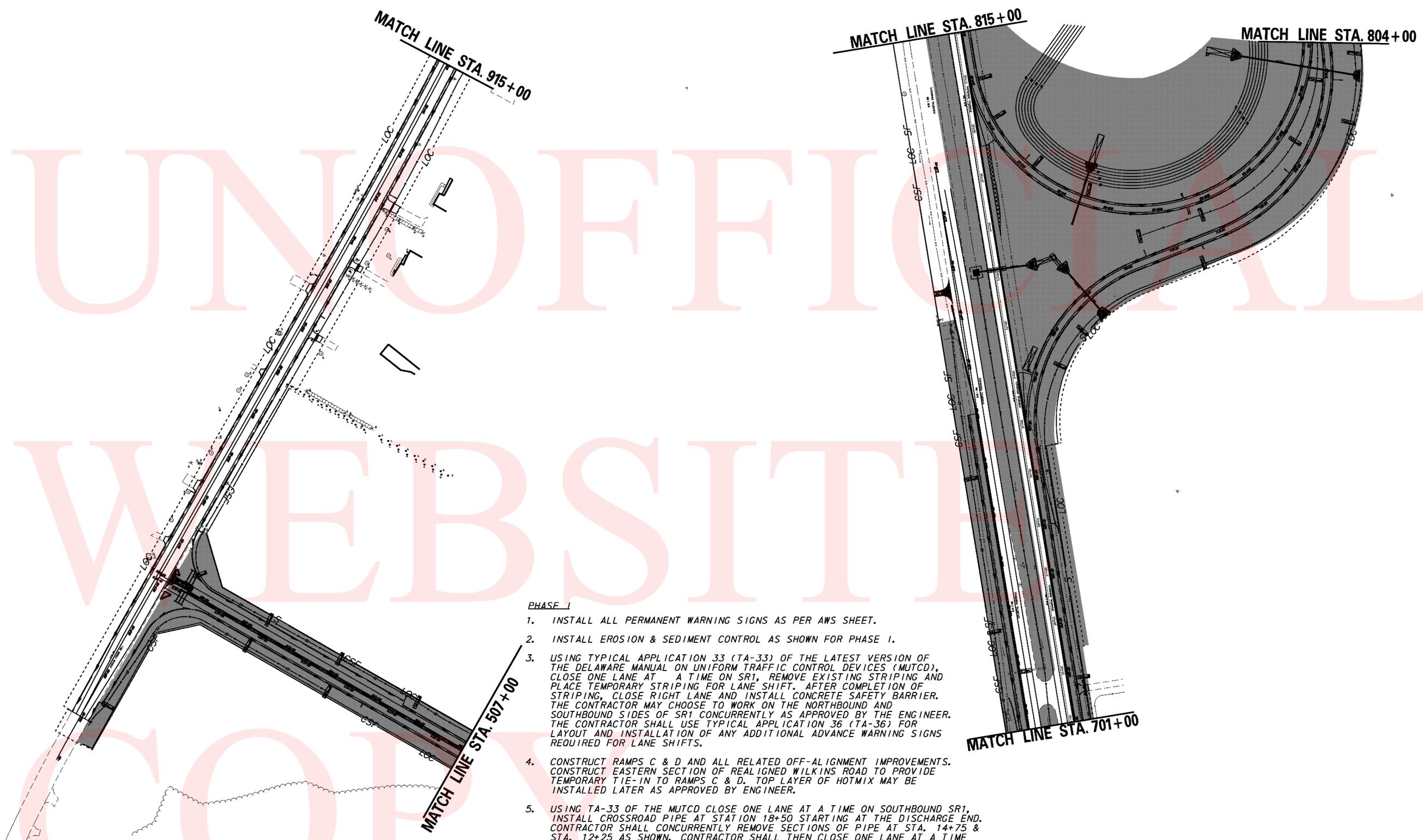
**SR1, SR30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

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

SHEET NO. 89
TOTAL SHTS. 133

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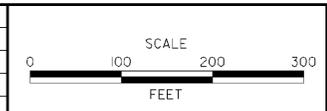


**PHASE I**

1. INSTALL ALL PERMANENT WARNING SIGNS AS PER AWS SHEET.
2. INSTALL EROSION & SEDIMENT CONTROL AS SHOWN FOR PHASE I.
3. USING TYPICAL APPLICATION 33 (TA-33) OF THE LATEST VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CLOSE ONE LANE AT A TIME ON SR1, REMOVE EXISTING STRIPING AND PLACE TEMPORARY STRIPING FOR LANE SHIFT. AFTER COMPLETION OF STRIPING, CLOSE RIGHT LANE AND INSTALL CONCRETE SAFETY BARRIER. THE CONTRACTOR MAY CHOOSE TO WORK ON THE NORTHBOUND AND SOUTHBOUND SIDES OF SR1 CONCURRENTLY AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL USE TYPICAL APPLICATION 36 (TA-36) FOR LAYOUT AND INSTALLATION OF ANY ADDITIONAL ADVANCE WARNING SIGNS REQUIRED FOR LANE SHIFTS.
4. CONSTRUCT RAMPS C & D AND ALL RELATED OFF-ALIGNMENT IMPROVEMENTS. CONSTRUCT EASTERN SECTION OF REALIGNED WILKINS ROAD TO PROVIDE TEMPORARY TIE-IN TO RAMPS C & D. TOP LAYER OF HOTMIX MAY BE INSTALLED LATER AS APPROVED BY ENGINEER.
5. USING TA-33 OF THE MUTCD CLOSE ONE LANE AT A TIME ON SOUTHBOUND SR1, INSTALL CROSSROAD PIPE AT STATION 18+50 STARTING AT THE DISCHARGE END. CONTRACTOR SHALL CONCURRENTLY REMOVE SECTIONS OF PIPE AT STA. 14+75 & STA. 12+25 AS SHOWN. CONTRACTOR SHALL THEN CLOSE ONE LANE AT A TIME ON NORTHBOUND SR-1 TO INSTALL REMAINING SECTION OF PIPE AT STA. 18+50, PIPE AT STA. 33+25 AND TO PLUG REMAINING SECTION OF PIPE AT STA. 12+25. CONTRACTOR SHALL INSTALL REMAINING MEDIAN DRAINAGE ITEMS AND GRADE NORTHBOUND ROADSIDE DITCH TO DRAIN TO STA. 18+50.
6. USING TA-33, MODIFY MEDIAN CROSSOVER AT STA. 12+75. INSTALL CONCRETE ISLAND AND FULL DEPTH PAVING TO TOP OF THE TYPE B LAYER. GRADE TO DRAIN AND STABILIZE ALL DISTURBED AREAS.
7. CONSTRUCT RAMPS A & B. CONSTRUCT TEMPORARY TIE-IN TO SR30. CONSTRUCT STORMWATER FACILITY #536 LOCATED IN RAMP A&B GORE AREA. USING TA-33, REMOVE CONCRETE SAFETY BARRIER FROM SOUTHBOUND SR1, REMOVE TEMPORARY STRIPING FOR LANES SHIFT AND RESTRIPE TRAVELED WAY. OPEN RAMPS A & B TO TRAFFIC.
8. ALL UTILITY RELOCATIONS MUST BE COMPLETED PRIOR TO OR DURING PHASE I CONSTRUCTION.

**PROPOSED WORK FOR ACTIVE PHASE**

ADDENDUMS / REVISIONS	



**SR1, SR30 GRADE SEPARATED INTERSECTION**

CONTRACT	BRIDGE NO.
T200812201	DESIGNED BY: JLC
COUNTY	CHECKED BY: JRG
SUSSEX	

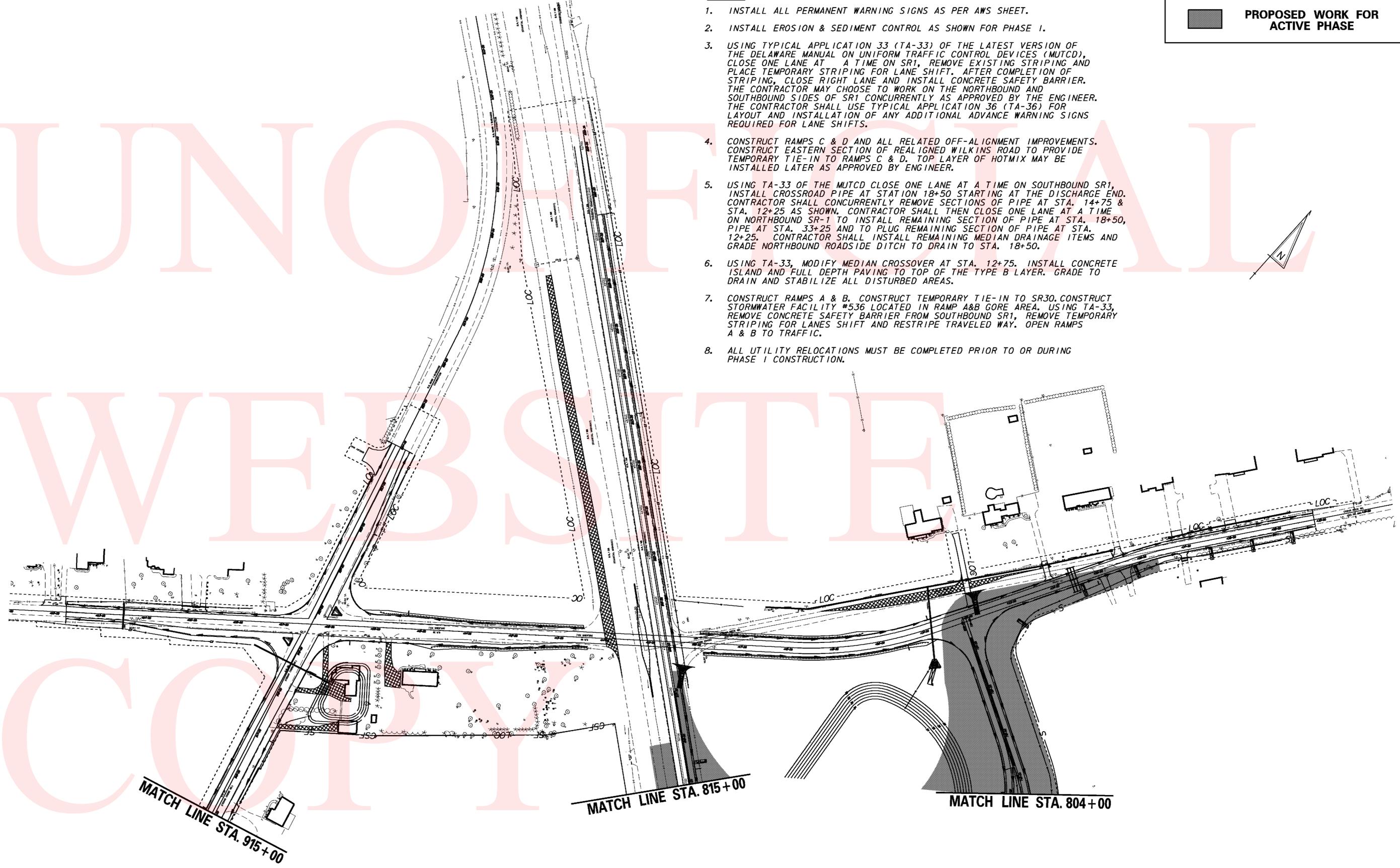
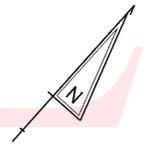
**CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1**

SHEET NO.	90
TOTAL SHTS.	133

**PROPOSED WORK FOR ACTIVE PHASE**

**PHASE I**

1. INSTALL ALL PERMANENT WARNING SIGNS AS PER AWS SHEET.
2. INSTALL EROSION & SEDIMENT CONTROL AS SHOWN FOR PHASE I.
3. USING TYPICAL APPLICATION 33 (TA-33) OF THE LATEST VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CLOSE ONE LANE AT A TIME ON SR1, REMOVE EXISTING STRIPING AND PLACE TEMPORARY STRIPING FOR LANE SHIFT. AFTER COMPLETION OF STRIPING, CLOSE RIGHT LANE AND INSTALL CONCRETE SAFETY BARRIER. THE CONTRACTOR MAY CHOOSE TO WORK ON THE NORTHBOUND AND SOUTHBOUND SIDES OF SR1 CONCURRENTLY AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL USE TYPICAL APPLICATION 36 (TA-36) FOR LAYOUT AND INSTALLATION OF ANY ADDITIONAL ADVANCE WARNING SIGNS REQUIRED FOR LANE SHIFTS.
4. CONSTRUCT RAMPS C & D AND ALL RELATED OFF-ALIGNMENT IMPROVEMENTS. CONSTRUCT EASTERN SECTION OF REALIGNED WILKINS ROAD TO PROVIDE TEMPORARY TIE-IN TO RAMPS C & D. TOP LAYER OF HOTMIX MAY BE INSTALLED LATER AS APPROVED BY ENGINEER.
5. USING TA-33 OF THE MUTCD CLOSE ONE LANE AT A TIME ON SOUTHBOUND SR1, INSTALL CROSSROAD PIPE AT STATION 18+50 STARTING AT THE DISCHARGE END. CONTRACTOR SHALL CONCURRENTLY REMOVE SECTIONS OF PIPE AT STA. 14+75 & STA. 12+25 AS SHOWN. CONTRACTOR SHALL THEN CLOSE ONE LANE AT A TIME ON NORTHBOUND SR-1 TO INSTALL REMAINING SECTION OF PIPE AT STA. 18+50, PIPE AT STA. 33+25 AND TO PLUG REMAINING SECTION OF PIPE AT STA. 12+25. CONTRACTOR SHALL INSTALL REMAINING MEDIAN DRAINAGE ITEMS AND GRADE NORTHBOUND ROADSIDE DITCH TO DRAIN TO STA. 18+50.
6. USING TA-33, MODIFY MEDIAN CROSSOVER AT STA. 12+75. INSTALL CONCRETE ISLAND AND FULL DEPTH PAVING TO TOP OF THE TYPE B LAYER. GRADE TO DRAIN AND STABILIZE ALL DISTURBED AREAS.
7. CONSTRUCT RAMPS A & B. CONSTRUCT TEMPORARY TIE-IN TO SR30. CONSTRUCT STORMWATER FACILITY #536 LOCATED IN RAMP A&B GORE AREA. USING TA-33, REMOVE CONCRETE SAFETY BARRIER FROM SOUTHBOUND SR1, REMOVE TEMPORARY STRIPING FOR LANES SHIFT AND RESTRIPE TRAVELED WAY. OPEN RAMPS A & B TO TRAFFIC.
8. ALL UTILITY RELOCATIONS MUST BE COMPLETED PRIOR TO OR DURING PHASE I CONSTRUCTION.



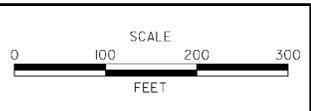
MATCH LINE STA. 915+00

MATCH LINE STA. 815+00

MATCH LINE STA. 804+00

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ADDENDUMS / REVISIONS	



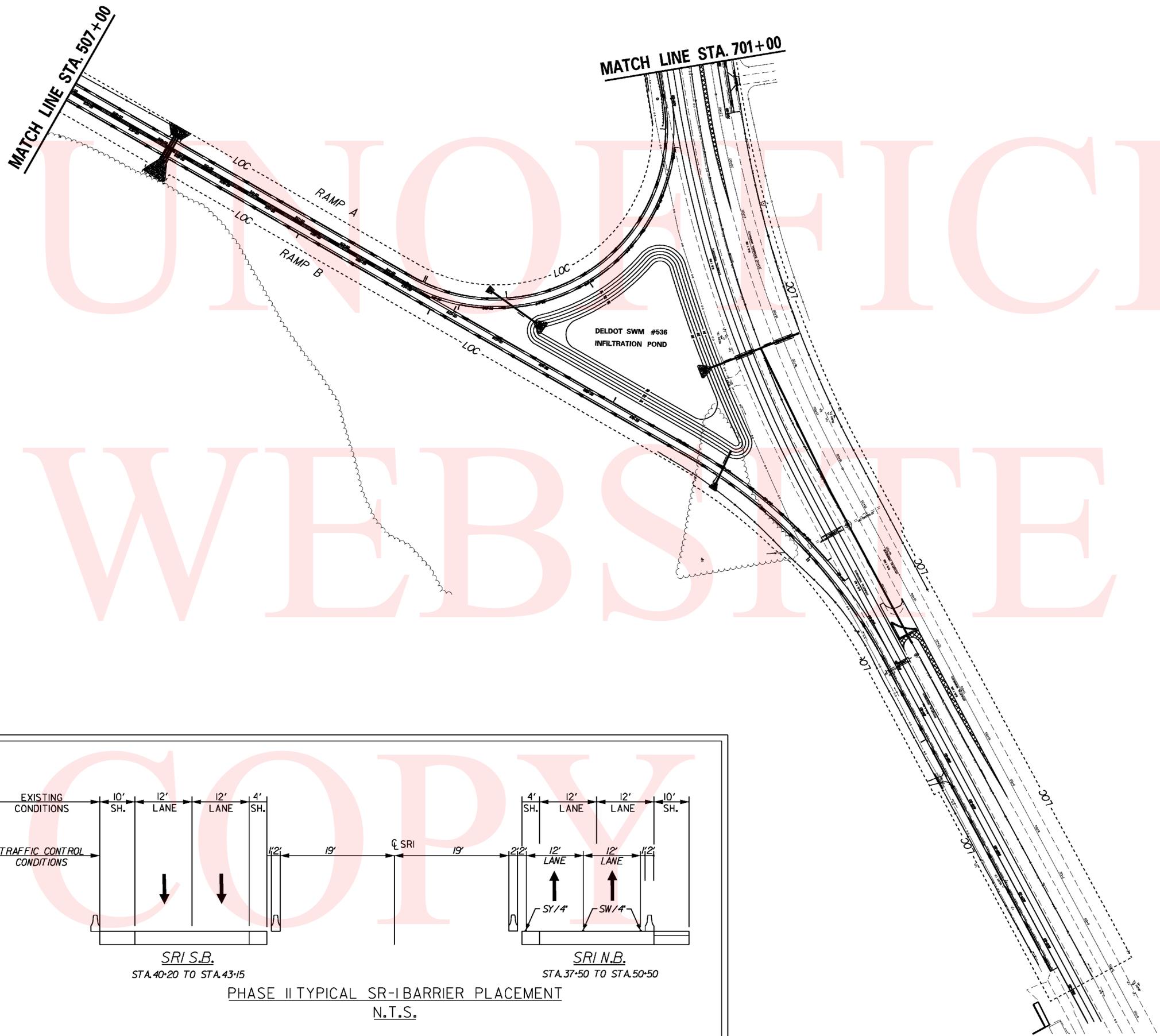
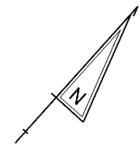
**SR1, SR30 GRADE SEPARATED INTERSECTION**

CONTRACT	BRIDGE NO.
T200812201	
COUNTY	DESIGNED BY: JLC
SUSSEX	CHECKED BY: JRG

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

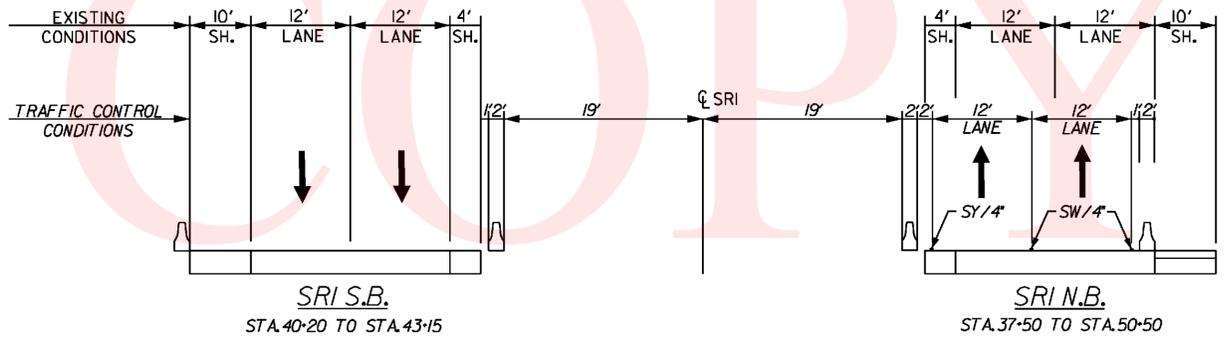
SHEET NO.	91
TOTAL SHTS.	133

■ PROPOSED WORK FOR ACTIVE PHASE

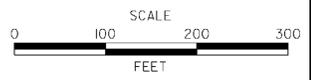


**PHASE II**

1. USING TA-33 FROM THE MUTCD, THE CONTRACTOR SHALL CLOSE ONE LANE AT A TIME AS NEEDED TO RELOCATE THE NORTHBOUND SR1 CONCRETE SAFETY BARRIER TO PROTECT BRIDGE MEDIAN PIER, ABUTMENT AND RAMP WORK AREAS AS SHOWN. THE CONTRACTOR SHALL MAINTAIN PHASE I NORTHBOUND LANE SHIFT THROUGHOUT PHASE II, PLACING ADDITIONAL TEMPORARY STRIPING AS NEEDED. RETAIN LANE SHIFT SIGNING AS PER TA36.
2. CONSTRUCT TEMPORARY TIE-IN FOR RAMP D TO SR1. CLOSE WILKINS RD. & CEDAR NECK RD. ACCESS TO SR1. OPEN RAMPS C & D TO TRAFFIC. REMOVE SR1 SOUTHBOUND DECEL PAVEMENT AS SHOWN AND STABILIZE DISTURBED AREAS.
3. CONSTRUCT BRIDGE & ROADWAY APPROACHES. CONTRACTOR SHALL USE PHASE 2B DETOURS FOR SR-1 CLOSURE TO FACILITATE BRIDGE BEAM PLACEMENT.
4. CONSTRUCT STORMWATER FACILITIES #535 & #537.
5. SOME PORTIONS OF PHASE II MAY BE PERFORMED CONCURRENTLY WITH PHASE I IF APPROVED BY THE ENGINEER. ACCESS TO RAMP SYSTEM MUST BE OPENED PRIOR TO REMOVAL OF LOCAL SR-1 ACCESS.



PHASE II TYPICAL SR-1 BARRIER PLACEMENT  
N.T.S.



**SR1, SR30  
GRADE SEPARATED  
INTERSECTION**

**DELAWARE  
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

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

SHEET NO. 92
TOTAL SHTS. 133

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UNOFFICIAL  
WEBSITE  
COPY

MATCHLINE STA. 915+00

MATCHLINE STA. 815+00

MATCHLINE STA. 804+00

MATCHLINE STA. 507+00

MATCHLINE STA. 701+00

DELDOT SWM #535  
INFILTRATION POND

RAMP D

RAMP C

RAMP A

RAMP B



NO MERGE AREA



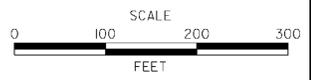
PROPOSED WORK FOR ACTIVE PHASE

**PHASE 1 I**

1. USING TA-33 FROM THE MUTCD, THE CONTRACTOR SHALL CLOSE ONE LANE AT A TIME AS NEEDED TO RELOCATE THE NORTHBOUND SR1 CONCRETE SAFETY BARRIER TO PROTECT BRIDGE MEDIAN PIER, ABUTMENT AND RAMP WORK AREAS AS SHOWN. THE CONTRACTOR SHALL MAINTAIN PHASE 1 NORTHBOUND LANE SHIFT THROUGHOUT PHASE 1 I, PLACING ADDITIONAL TEMPORARY STRIPING AS NEEDED. RETAIN LANE SHIFT SIGNING AS PER TA36.
2. CONSTRUCT TEMPORARY TIE-IN FOR RAMP D TO SR1. CLOSE WILKINS RD. & CEDAR NECK RD. ACCESS TO SR1. OPEN RAMPS C & D TO TRAFFIC. REMOVE SR1 SOUTHBOUND DECEL PAVEMENT AS SHOWN AND STABILIZE DISTURBED AREAS.
3. CONSTRUCT BRIDGE & ROADWAY APPROACHES. CONTRACTOR SHALL USE PHASE 2B DETOURS FOR SR-1 CLOSURE TO FACILITATE BRIDGE BEAM PLACEMENT.
4. CONSTRUCT STORMWATER FACILITIES #535 & #537.
5. SOME PORTIONS OF PHASE 1 I MAY BE PERFORMED CONCURRENTLY WITH PHASE 1 IF APPROVED BY THE ENGINEER. ACCESS TO RAMP SYSTEM MUST BE OPENED PRIOR TO REMOVAL OF LOCAL SR-1 ACCESS.



ADDENDUMS / REVISIONS	



**SR1, SR30  
GRADE SEPARATED  
INTERSECTION**

CONTRACT	BRIDGE NO.
T200812201	DESIGNED BY: JLC
COUNTY	CHECKED BY: JRG
SUSSEX	

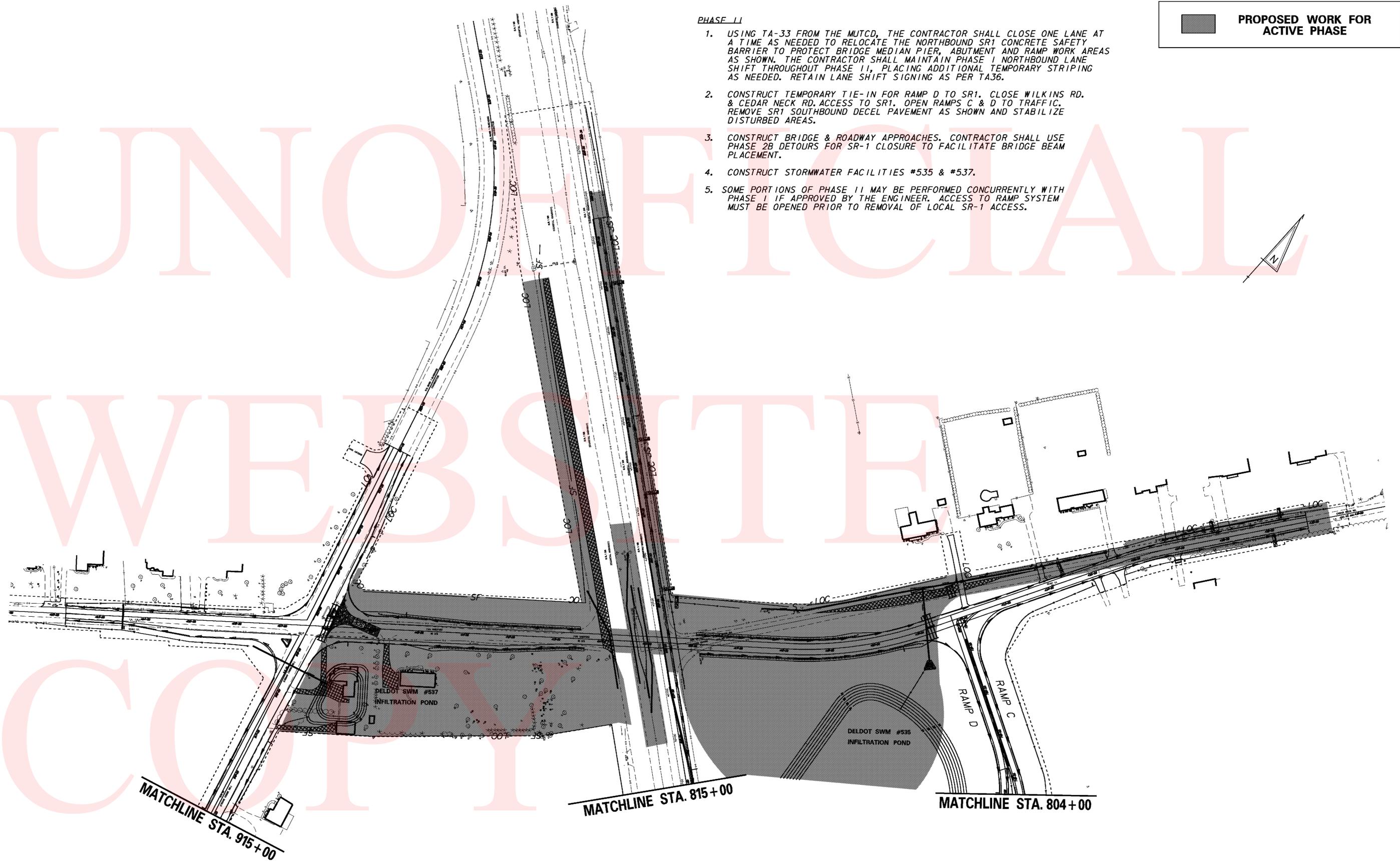
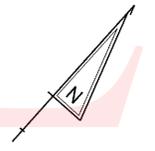
**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 2**

SHEET NO.	93
TOTAL SHTS.	133

**PROPOSED WORK FOR ACTIVE PHASE**

**PHASE 11**

1. USING TA-33 FROM THE MUTCD, THE CONTRACTOR SHALL CLOSE ONE LANE AT A TIME AS NEEDED TO RELOCATE THE NORTHBOUND SR1 CONCRETE SAFETY BARRIER TO PROTECT BRIDGE MEDIAN PIER, ABUTMENT AND RAMP WORK AREAS AS SHOWN. THE CONTRACTOR SHALL MAINTAIN PHASE 1 NORTHBOUND LANE SHIFT THROUGHOUT PHASE 11, PLACING ADDITIONAL TEMPORARY STRIPING AS NEEDED. RETAIN LANE SHIFT SIGNING AS PER TA36.
2. CONSTRUCT TEMPORARY TIE-IN FOR RAMP D TO SR1. CLOSE WILKINS RD. & CEDAR NECK RD. ACCESS TO SR1. OPEN RAMPS C & D TO TRAFFIC. REMOVE SR1 SOUTHBOUND DECEL PAVEMENT AS SHOWN AND STABILIZE DISTURBED AREAS.
3. CONSTRUCT BRIDGE & ROADWAY APPROACHES. CONTRACTOR SHALL USE PHASE 2B DETOURS FOR SR-1 CLOSURE TO FACILITATE BRIDGE BEAM PLACEMENT.
4. CONSTRUCT STORMWATER FACILITIES #535 & #537.
5. SOME PORTIONS OF PHASE 11 MAY BE PERFORMED CONCURRENTLY WITH PHASE 1 IF APPROVED BY THE ENGINEER. ACCESS TO RAMP SYSTEM MUST BE OPENED PRIOR TO REMOVAL OF LOCAL SR-1 ACCESS.



MATCHLINE STA. 915+00

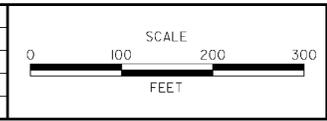
MATCHLINE STA. 815+00

MATCHLINE STA. 804+00

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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



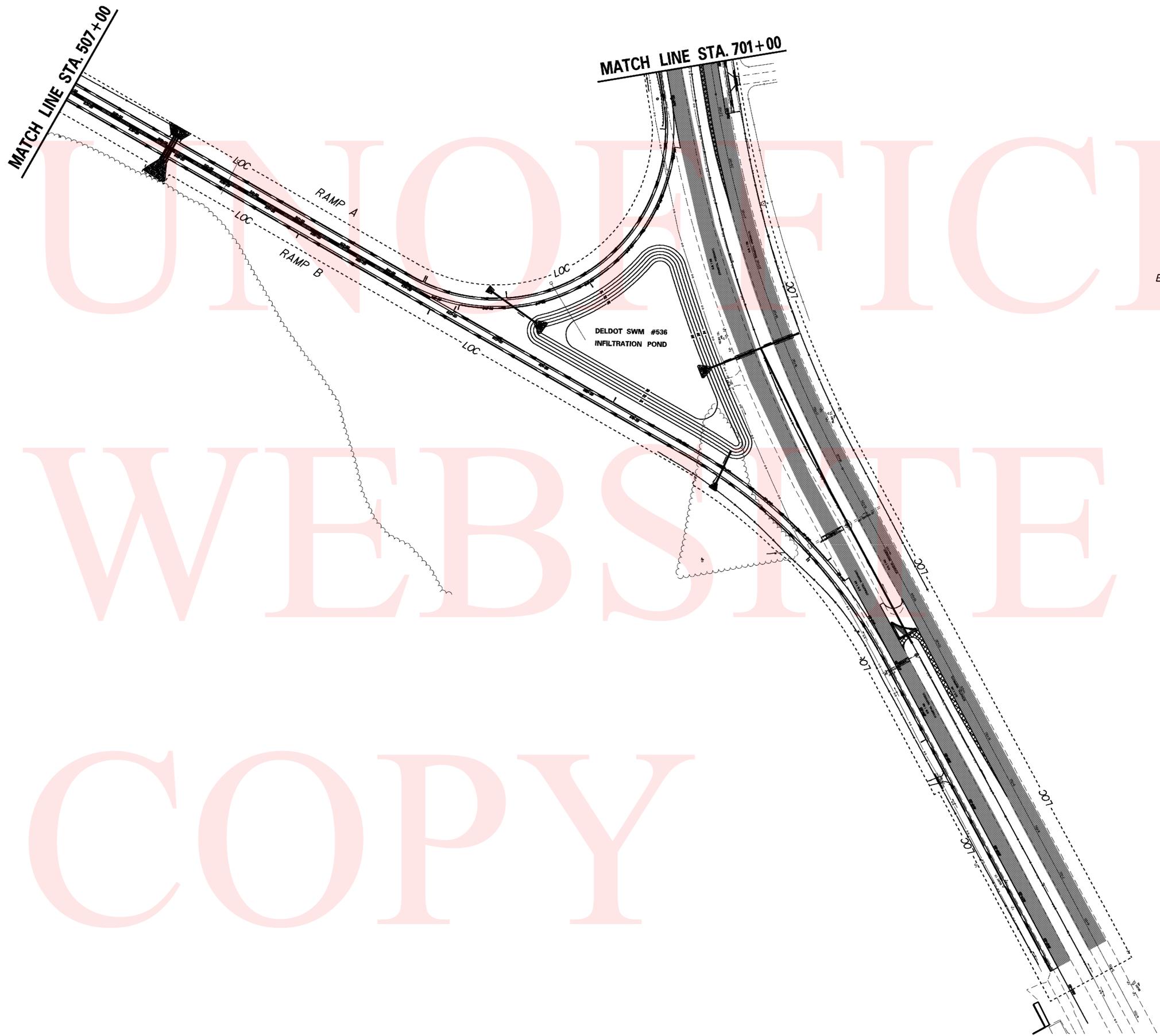
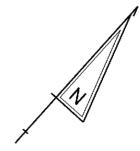
**SR1, SR30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

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

SHEET NO.	94
TOTAL SHTS.	133

■ PROPOSED WORK FOR ACTIVE PHASE

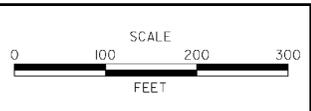


**PHASE III**

- STAGE 1**
1. USING TA-10 FOR LANE CLOSURES AND TA-3 FOR SHOULDER CLOSURES FROM THE LATEST VERSION OF THE DEMUTCD, INSTALL SR30 FULL DEPTH SHOULDER WIDENING UP TO TOP OF THE TYPE B HOTMIX LAYER AND PROPOSED DRAINAGE IMPROVEMENTS FROM STA. 900+00 TO STA. 915+00.
  2. PLACE TEMPORARY STRIPING AND INTERIM SIGNING FOR STAGE 2 LANE SHIFTS AS SHOWN.
  3. SOME PORTIONS OF PHASE III MAY BE WORKED CONCURRENTLY WITH PHASE II IF APPROVED BY THE ENGINEER.
- STAGE 2**
1. USING TA-10, PLACE PCC SAFETY BARRIER AND SHIFT TRAFFIC TO WESTERN SIDE OF SR 30 AND WILKINS ROAD INTERSECTION. REFER TO PHASE 3, STAGE 2 TYPICAL SECTION. CONTRACTOR SHALL RELOCATE STOP SIGNS AS NEEDED TO RETAIN EXISTING STOP CONTROL AT THE INTERSECTION OF SR30 & S206.
  2. CONSTRUCT FULL DEPTH ROADWAY IMPROVEMENTS AND TIE-IN TO THE OVERPASS APPROACH BETWEEN STA. 915+00 AND STA. 923+14 UP TO THE TOP OF THE TYPE B HOTMIX LAYER, PROVIDE 2:1 PAVEMENT WEDGE AS PER THE TYPICAL SECTION. PROVIDE TEMPORARY HOTMIX PAVEMENT IN PLACE OF PROPOSED PCC CHANNELIZING ISLAND AT STA. 920+00. INSTALL PROPOSED DRAINAGE.
  3. PROVIDE TEMPORARY MARKINGS ON THE NEWLY CONSTRUCTED EASTERN SIDE OF THE INTERSECTION. PROVIDE TEMPORARY WIDENING FOR TAPER TRANSITION FROM FULL DEPTH SECTION TO EXISTING PAVEMENT.
- STAGE 3**
1. CONTRACTOR SHALL NOT START THIS STAGE PRIOR TO COMPLETION OF OVERPASS AND TIE-INS. USING TA-10, RELOCATE THE PCC SAFETY BARRIER AS SHOWN IN THE PHASE 3, STAGE 3 TYPICAL SECTION. PROVIDE TEMPORARY SIGNING FOR LANE SHIFTS TO NEWLY CONSTRUCTED PAVEMENT AS SHOWN.
  2. INSTALL DETOUR AS PER PHASE 3; STAGE 3 DETOUR PLAN TO CLOSE THE WESTERN APPROACH OF WILKINS ROAD TO THE INTERSECTION. THE CONTRACTOR SHALL RELOCATE EXISTING STOP SIGNS AS NEEDED TO MAINTAIN STOP CONTROL OF INTERSECTION, COSTS INCIDENTAL TO ITEM 763500. OPEN THE OVERPASS AND EASTERN SIDE OF INTERSECTION TO TRAFFIC. CONSTRUCT FULL DEPTH PAVING FOR WEST SIDE OF INTERSECTION AND WILKINS ROAD APPROACH.
  3. PLACE REMAINING TYPE C HOTMIX LAYER THROUGHOUT THE INTERSECTION. INSTALL ALL PERMANENT STRIPING AND TRAFFIC CONTROL DEVICES FOR THE SR30 & S206 INTERSECTION.
  4. FULLY OPEN TO TRAFFIC.
  5. UPON COMPLETION OF THE OVERPASS CONSTRUCTION AND OPENING TO TRAFFIC, USE TA-33 TO CLOSE LANES AS NEEDED TO REMOVE SR 1 MEDIAN CROSSOVER AT STATION 24+50. GRADE TO DRAIN, TOPSOIL, SEED AND MULCH.
- STAGE 4**
1. USE TA-33 TO PROFILE MILL AND OVERLAY NORTHBOUND AND SOUTHBOUND SR-1 THROUGHOUT THE PROJECT LIMITS.
  2. USE TA-35C TO PLACE PERMANENT STRIPING ON SR-1. USE TA-35 FOR PLACEMENT OF RPMs AND RUMBLE STRIPS ON SR-1.
  3. USE TA-10 TO PROFILE MILL AND OVERLAY ON SR 30 AND APPLICATION OF TYPE C LAYER FOR REMAINING AREAS ON WILKINS RD. AND SR 30 AS APPLICABLE.
- STAGE 5**
1. INSTALL ALL ITEMS, LIGHTING AND PERMANENT SIGNING ITEMS. USE TA-3A FOR SHOULDER CLOSURES AND TA-33 FOR LANE CLOSURES AS NEEDED ON SR-1. USE TA-3 FOR SHOULDER CLOSURES AND TA-10 FOR LANE CLOSURES AS NEEDED ON SIDE ROADS.

Y:\SUSSEX\014\ROAD\2812201\PLANS\FINAL\CONSTRUCTION\CSPH07.DGN

ADDENDUMS / REVISIONS	



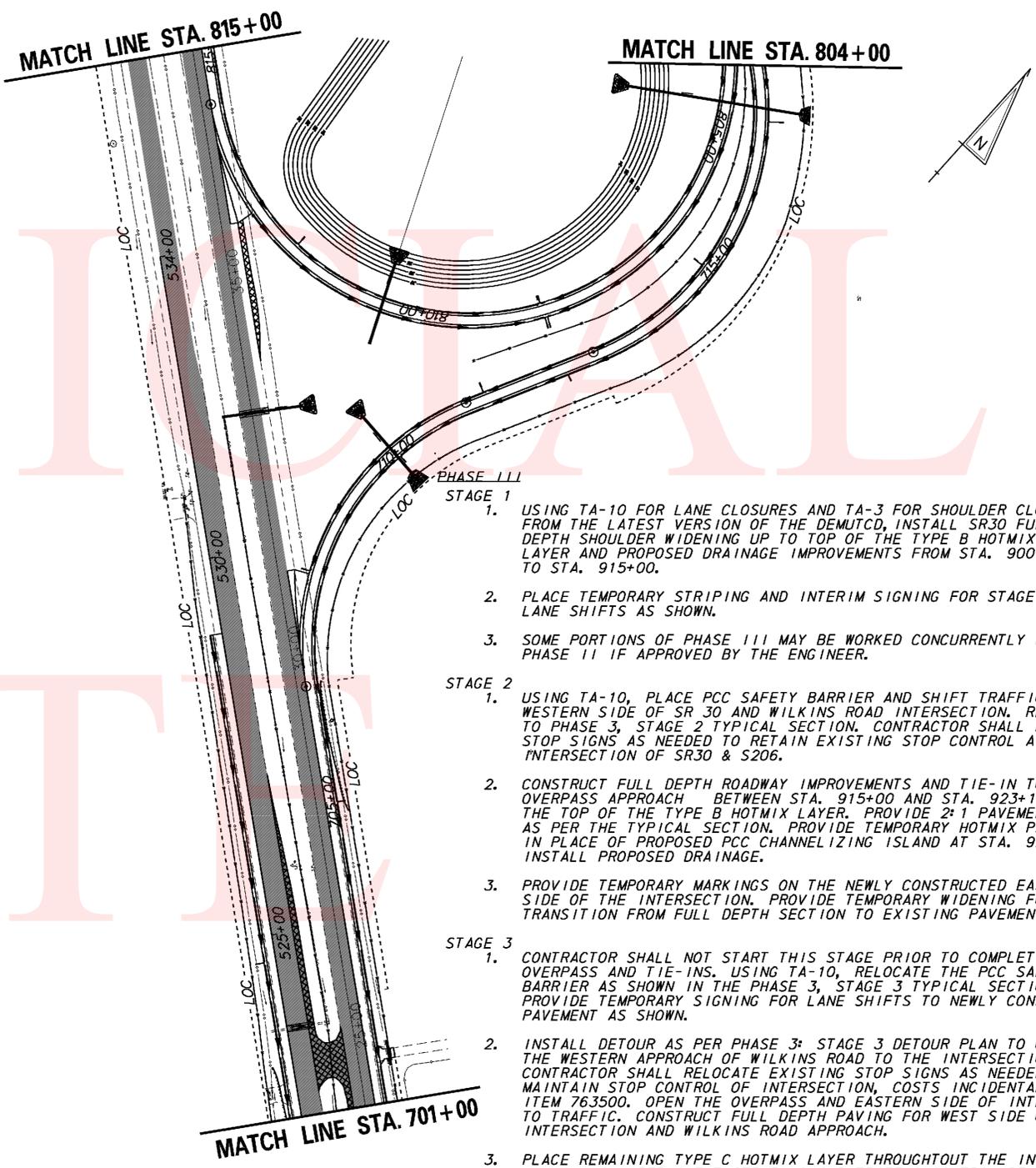
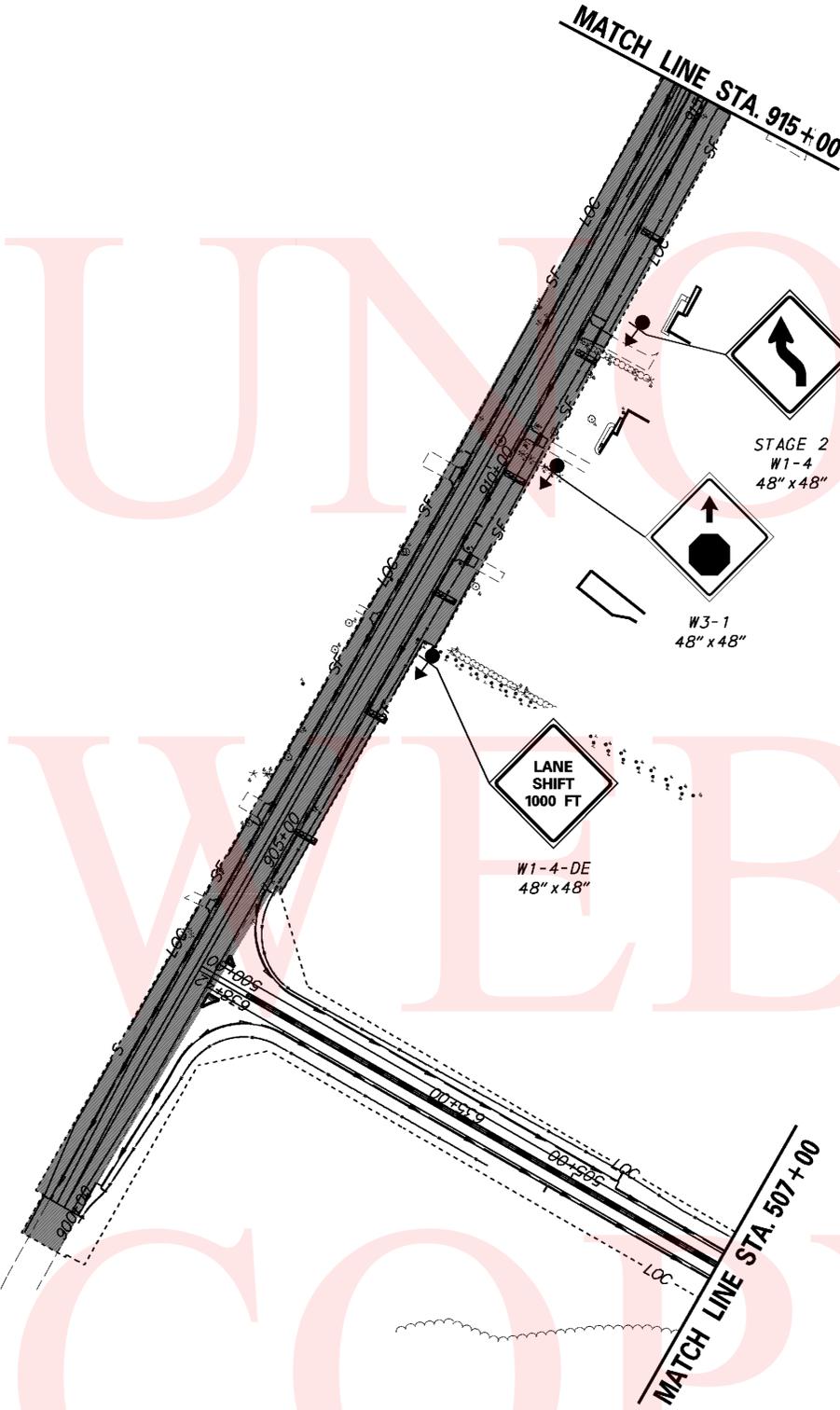
**SR1, SR30  
GRADE SEPARATED  
INTERSECTION**

CONTRACT	BRIDGE NO.
T200812201	
COUNTY	DESIGNED BY: JLC
SUSSEX	CHECKED BY: JRG

**CONSTRUCTION PHASING,  
M.O.T., AND EROSION  
CONTROL PLAN - PHASE 3**

SHEET NO.	95
TOTAL SHTS.	133

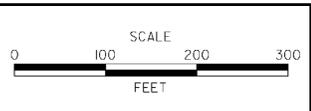
UNOFFICIAL  
WEBSITE  
COPY



- PHASE III**
- STAGE 1**
1. USING TA-10 FOR LANE CLOSURES AND TA-3 FOR SHOULDER CLOSURES FROM THE LATEST VERSION OF THE DEMUTCD, INSTALL SR30 FULL DEPTH SHOULDER WIDENING UP TO TOP OF THE TYPE B HOTMIX LAYER AND PROPOSED DRAINAGE IMPROVEMENTS FROM STA. 900+00 TO STA. 915+00.
  2. PLACE TEMPORARY STRIPING AND INTERIM SIGNING FOR STAGE 2 LANE SHIFTS AS SHOWN.
  3. SOME PORTIONS OF PHASE III MAY BE WORKED CONCURRENTLY WITH PHASE II IF APPROVED BY THE ENGINEER.
- STAGE 2**
1. USING TA-10, PLACE PCC SAFETY BARRIER AND SHIFT TRAFFIC TO WESTERN SIDE OF SR 30 AND WILKINS ROAD INTERSECTION. REFER TO PHASE 3, STAGE 2 TYPICAL SECTION. CONTRACTOR SHALL RELOCATE STOP SIGNS AS NEEDED TO RETAIN EXISTING STOP CONTROL AT THE INTERSECTION OF SR30 & S206.
  2. CONSTRUCT FULL DEPTH ROADWAY IMPROVEMENTS AND TIE-IN TO THE OVERPASS APPROACH BETWEEN STA. 915+00 AND STA. 923+14 UP TO THE TOP OF THE TYPE B HOTMIX LAYER. PROVIDE 2:1 PAVEMENT WEDGE AS PER THE TYPICAL SECTION. PROVIDE TEMPORARY HOTMIX PAVEMENT IN PLACE OF PROPOSED PCC CHANNELIZING ISLAND AT STA. 920+00. INSTALL PROPOSED DRAINAGE.
  3. PROVIDE TEMPORARY MARKINGS ON THE NEWLY CONSTRUCTED EASTERN SIDE OF THE INTERSECTION. PROVIDE TEMPORARY WIDENING FOR TAPER TRANSITION FROM FULL DEPTH SECTION TO EXISTING PAVEMENT.
- STAGE 3**
1. CONTRACTOR SHALL NOT START THIS STAGE PRIOR TO COMPLETION OF OVERPASS AND TIE-INS. USING TA-10, RELOCATE THE PCC SAFETY BARRIER AS SHOWN IN THE PHASE 3, STAGE 3 TYPICAL SECTION. PROVIDE TEMPORARY SIGNING FOR LANE SHIFTS TO NEWLY CONSTRUCTED PAVEMENT AS SHOWN.
  2. INSTALL DETOUR AS PER PHASE 3: STAGE 3 DETOUR PLAN TO CLOSE THE WESTERN APPROACH OF WILKINS ROAD TO THE INTERSECTION. THE CONTRACTOR SHALL RELOCATE EXISTING STOP SIGNS AS NEEDED TO MAINTAIN STOP CONTROL OF INTERSECTION, COSTS INCIDENTAL TO ITEM 763500. OPEN THE OVERPASS AND EASTERN SIDE OF INTERSECTION TO TRAFFIC. CONSTRUCT FULL DEPTH PAVING FOR WEST SIDE OF INTERSECTION AND WILKINS ROAD APPROACH.
  3. PLACE REMAINING TYPE C HOTMIX LAYER THROUGHOUT THE INTERSECTION. INSTALL ALL PERMANENT STRIPING AND TRAFFIC CONTROL DEVICES FOR THE SR30 & S206 INTERSECTION.
  4. FULLY OPEN TO TRAFFIC.
  5. UPON COMPLETION OF THE OVERPASS CONSTRUCTION AND OPENING TO TRAFFIC, USE TA-33 TO CLOSE LANES AS NEEDED TO REMOVE SR 1 MEDIAN CROSSOVER AT STATION 24+50. GRADE TO DRAIN, TOPSOIL, SEED AND MULCH.
- STAGE 4**
1. USE TA-33 TO PROFILE MILL AND OVERLAY NORTHBOUND AND SOUTHBOUND SR-1 THROUGHOUT THE PROJECT LIMITS.
  2. USE TA-35C TO PLACE PERMANENT STRIPING ON SR-1. USE TA-35 FOR PLACEMENT OF RPMS AND RUMBLE STRIPS ON SR-1.
  3. USE TA-10 TO PROFILE MILL AND OVERLAY ON SR 30 AND APPLICATION OF TYPE C LAYER FOR REMAINING AREAS ON WILKINS RD. AND SR 30 AS APPLICABLE.
- STAGE 5**
1. INSTALL ALL ITEMS, LIGHTING AND PERMANENT SIGNING ITEMS. USE TA-3A FOR SHOULDER CLOSURES AND TA-33 FOR LANE CLOSURES AS NEEDED ON SR-1. USE TA-3 FOR SHOULDER CLOSURES AND TA-10 FOR

**PROPOSED WORK FOR ACTIVE PHASE**

ADDENDUMS / REVISIONS



**SR1, SR30 GRADE SEPARATED INTERSECTION**

CONTRACT T2008-122-01	BRIDGE NO. 
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**PHASE 1 I**

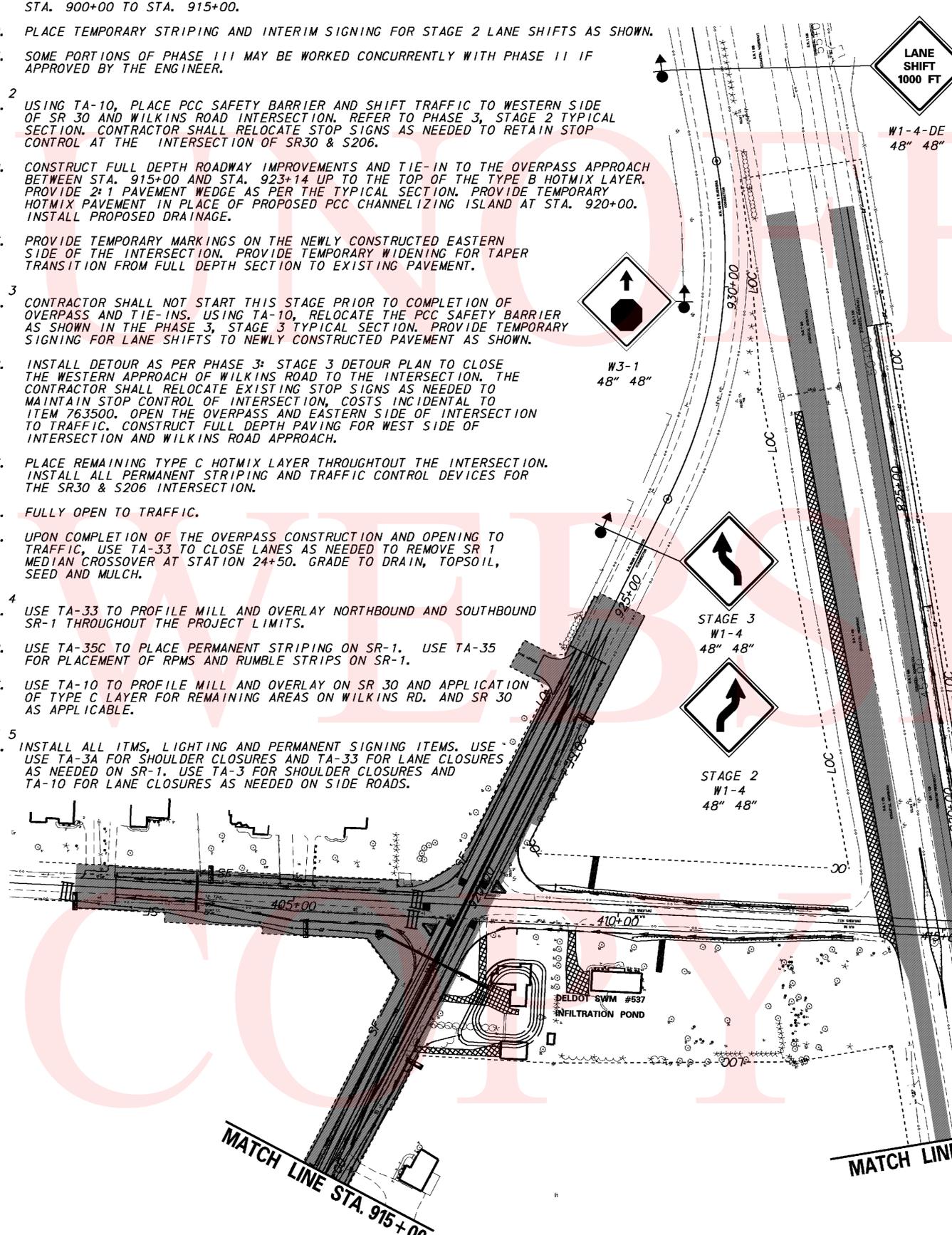
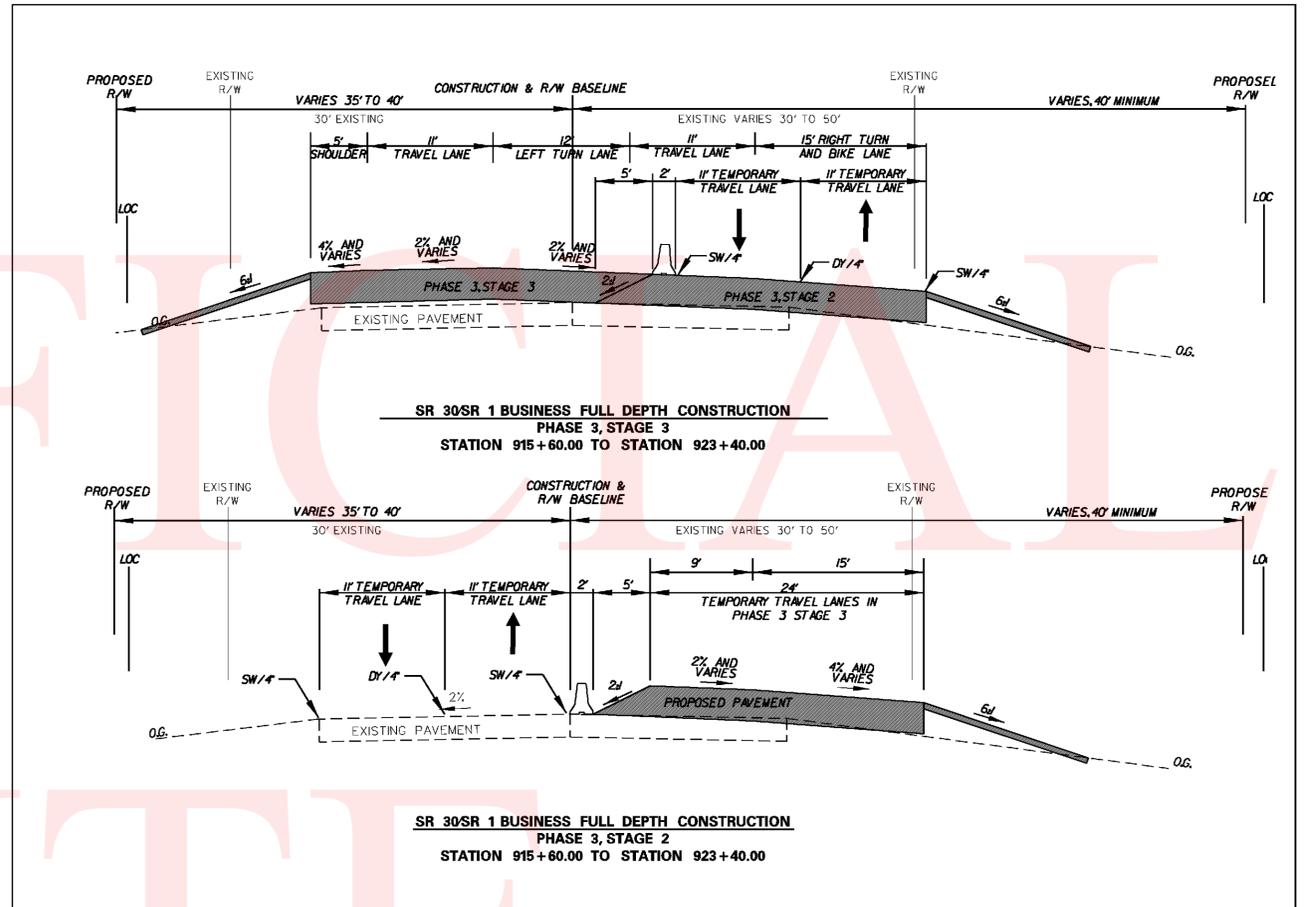
- STAGE 1**
1. USING TA-10 FOR LANE CLOSURES AND TA-3 FOR SHOULDER CLOSURES FROM THE LATEST VERSION OF THE DEMUTCD, INSTALL SR30 FULL DEPTH SHOULDER WIDENING UP TO TOP OF THE TYPE B HOTMIX LAYER AND PROPOSED DRAINAGE IMPROVEMENTS FROM STA. 900+00 TO STA. 915+00.
  2. PLACE TEMPORARY STRIPING AND INTERIM SIGNING FOR STAGE 2 LANE SHIFTS AS SHOWN.
  3. SOME PORTIONS OF PHASE 1 I MAY BE WORKED CONCURRENTLY WITH PHASE 1 I IF APPROVED BY THE ENGINEER.

- STAGE 2**
1. USING TA-10, PLACE PCC SAFETY BARRIER AND SHIFT TRAFFIC TO WESTERN SIDE OF SR 30 AND WILKINS ROAD INTERSECTION. REFER TO PHASE 3, STAGE 2 TYPICAL SECTION. CONTRACTOR SHALL RELOCATE STOP SIGNS AS NEEDED TO RETAIN STOP CONTROL AT THE INTERSECTION OF SR30 & S206.
  2. CONSTRUCT FULL DEPTH ROADWAY IMPROVEMENTS AND TIE-IN TO THE OVERPASS APPROACH BETWEEN STA. 915+00 AND STA. 923+14 UP TO THE TOP OF THE TYPE B HOTMIX LAYER. PROVIDE 2:1 PAVEMENT WEDGE AS PER THE TYPICAL SECTION. PROVIDE TEMPORARY HOTMIX PAVEMENT IN PLACE OF PROPOSED PCC CHANNELIZING ISLAND AT STA. 920+00. INSTALL PROPOSED DRAINAGE.
  3. PROVIDE TEMPORARY MARKINGS ON THE NEWLY CONSTRUCTED EASTERN SIDE OF THE INTERSECTION. PROVIDE TEMPORARY WIDENING FOR TAPER TRANSITION FROM FULL DEPTH SECTION TO EXISTING PAVEMENT.

- STAGE 3**
1. CONTRACTOR SHALL NOT START THIS STAGE PRIOR TO COMPLETION OF OVERPASS AND TIE-INS. USING TA-10, RELOCATE THE PCC SAFETY BARRIER AS SHOWN IN THE PHASE 3, STAGE 3 TYPICAL SECTION. PROVIDE TEMPORARY SIGNING FOR LANE SHIFTS TO NEWLY CONSTRUCTED PAVEMENT AS SHOWN.
  2. INSTALL DETOUR AS PER PHASE 3: STAGE 3 DETOUR PLAN TO CLOSE THE WESTERN APPROACH OF WILKINS ROAD TO THE INTERSECTION. THE CONTRACTOR SHALL RELOCATE EXISTING STOP SIGNS AS NEEDED TO MAINTAIN STOP CONTROL OF INTERSECTION, COSTS INCIDENTAL TO ITEM 763500. OPEN THE OVERPASS AND EASTERN SIDE OF INTERSECTION TO TRAFFIC. CONSTRUCT FULL DEPTH PAVING FOR WEST SIDE OF INTERSECTION AND WILKINS ROAD APPROACH.
  3. PLACE REMAINING TYPE C HOTMIX LAYER THROUGHOUT THE INTERSECTION. INSTALL ALL PERMANENT STRIPING AND TRAFFIC CONTROL DEVICES FOR THE SR30 & S206 INTERSECTION.
  4. FULLY OPEN TO TRAFFIC.
  5. UPON COMPLETION OF THE OVERPASS CONSTRUCTION AND OPENING TO TRAFFIC, USE TA-33 TO CLOSE LANES AS NEEDED TO REMOVE SR 1 MEDIAN CROSSOVER AT STATION 24+50. GRADE TO DRAIN, TOPSOIL, SEED AND MULCH.

- STAGE 4**
1. USE TA-33 TO PROFILE MILL AND OVERLAY NORTHBOUND AND SOUTHBOUND SR-1 THROUGHOUT THE PROJECT LIMITS.
  2. USE TA-35C TO PLACE PERMANENT STRIPING ON SR-1. USE TA-35 FOR PLACEMENT OF RPMS AND RUMBLE STRIPS ON SR-1.
  3. USE TA-10 TO PROFILE MILL AND OVERLAY ON SR 30 AND APPLICATION OF TYPE C LAYER FOR REMAINING AREAS ON WILKINS RD. AND SR 30 AS APPLICABLE.

- STAGE 5**
1. INSTALL ALL ITEMS, LIGHTING AND PERMANENT SIGNING ITEMS. USE TA-3A FOR SHOULDER CLOSURES AND TA-33 FOR LANE CLOSURES AS NEEDED ON SR-1. USE TA-3 FOR SHOULDER CLOSURES AND TA-10 FOR LANE CLOSURES AS NEEDED ON SIDE ROADS.



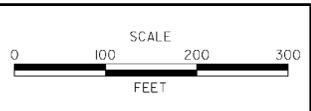
MATCH LINE STA. 915+00

MATCH LINE STA. 815+00

MATCH LINE STA. 804+00



ADDENDUMS / REVISIONS



CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

Z:\SAFETY\CAPITAL PROJECTS\SUSSEX\28-122-01\_SRL1\_SRL30GRADESEPARATEDINTERSECTION\MP\MATERIAL\SRL1\_SRL30DETOURS.DGN

**CHANGEABLE MESSAGE BOARDS:**

**CMS-1** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

WILKENS RD EAST OF SR 30 TO CLOSE STARTING XXXXXX

**CMS-1** DURING DETOUR (5 DAYS AFTER DETOUR)

WILKENS RD EAST OF SR 30 CLOSED FOLLOW DETOUR

**CMS-2** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

WILKENS ROAD TO CLOSE AT SR 1 STARTING XXXXXX

**CMS-2** DURING DETOUR (5 DAYS AFTER DETOUR)

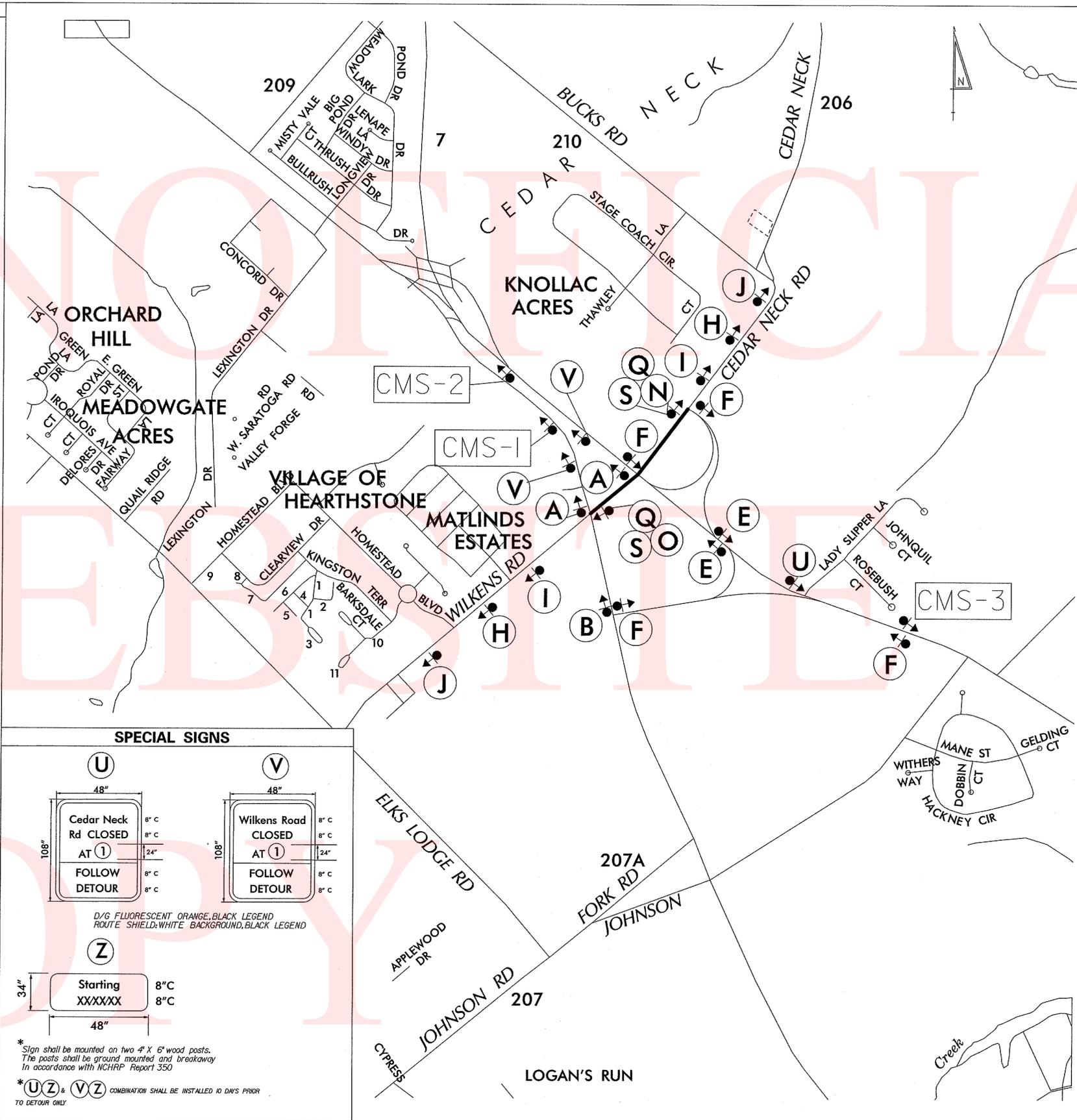
WILKENS ROAD CLOSED AT SR 1 FOLLOW DETOUR

**CMS-3** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

CEDAR NECK RD TO CLOSE AT SR 1 STARTING XXXXXX

**CMS-3** DURING DETOUR (5 DAYS AFTER DETOUR)

CEDAR NECK RD CLOSED AT SR 1 FOLLOW DETOUR



**SPECIAL SIGNS**

**U** Cedar Neck Rd CLOSED AT 1 FOLLOW DETOUR

**V** Wilkens Road CLOSED AT 1 FOLLOW DETOUR

**Z** Starting XXXXXX

D/G FLUORESCENT ORANGE, BLACK LEGEND  
ROUTE SHIELD: WHITE BACKGROUND, BLACK LEGEND

\* Sign shall be mounted on two 4" X 6" wood posts. The posts shall be ground mounted and breakaway in accordance with NCHRP Report 350.

\* UZ & VZ COMBINATION SHALL BE INSTALLED 10 DAYS PRIOR TO DETOUR ONLY

**LEGEND**

A: DETOUR (up arrow)

B: DETOUR (left arrow)

C: DETOUR (right arrow)

D: DETOUR (up-left arrow)

E: DETOUR (up-right arrow)

F: END DETOUR

G: DETOUR AHEAD (diamond)

H: DETOUR 1000 FT (diamond)

I: DETOUR 500 FT (diamond)

J: ROAD CLOSED AHEAD (diamond)

K: ROAD CLOSED 1000 FT (diamond)

L: ROAD CLOSED 500 FT (diamond)

M: ROAD NAME (rectangle)

N: DETOUR (black rectangle with white arrow)

O: DETOUR (black rectangle with white arrow)

P: ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY (rectangle)

Q: ROAD CLOSED (rectangle)

R: ROAD CLOSED TO THRU TRAFFIC (rectangle)

S: Barricade (hatched rectangle)

T: Barricade (hatched rectangle)

- GENERAL NOTES:**
- ALL DETOUR SIGNING INCLUDING, TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  - THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6)" FOR LIGHTS, BARRICADES AND SIGNS, (AS PER LATEST REVISION)
  - FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
  - SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
  - WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
  - \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
  - BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_

RECOMMENDED *[Signature]* DATE: 1/6/12

RECOMMENDED *[Signature]* DATE: 1-6-12

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 1-6-12

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 1/9/12




NOT TO SCALE

SR 1, SR 30 GRADE SEPARATED INTERSECTION

CONTRACT	PERMIT NO.	X
T200812201	DESIGNED BY: SKG	
COUNTY	CHECKED BY: ASW	
SUSSEX		

DETOUR PLAN	SHEET NO.
SR 1 AT WILKENS ROAD/CEDAR NECK ROAD	98
PHASE 2, PHASE 3: STAGE 2	TOTAL SHTS.
	133

**CHANGEABLE MESSAGE BOARDS**

**CMS-1** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

SR 1 NB TO CLOSE      ON XXXXXX XPM-XAM

**CMS-1** DURING DETOUR

SR 1 NB CLOSED 1 MILE      FOLLOW DETOUR

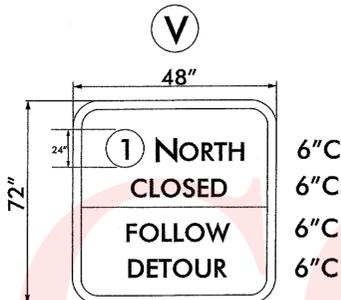
**CMS-2** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

XXXXXXXXXXXXXXXXXXXX      XXXXXXXXXXXXXXXXXXXX

**CMS-2** DURING DETOUR

XXXXXXXXXXXXXXXXXXXX      XXXXXXXXXXXXXXXXXXXX

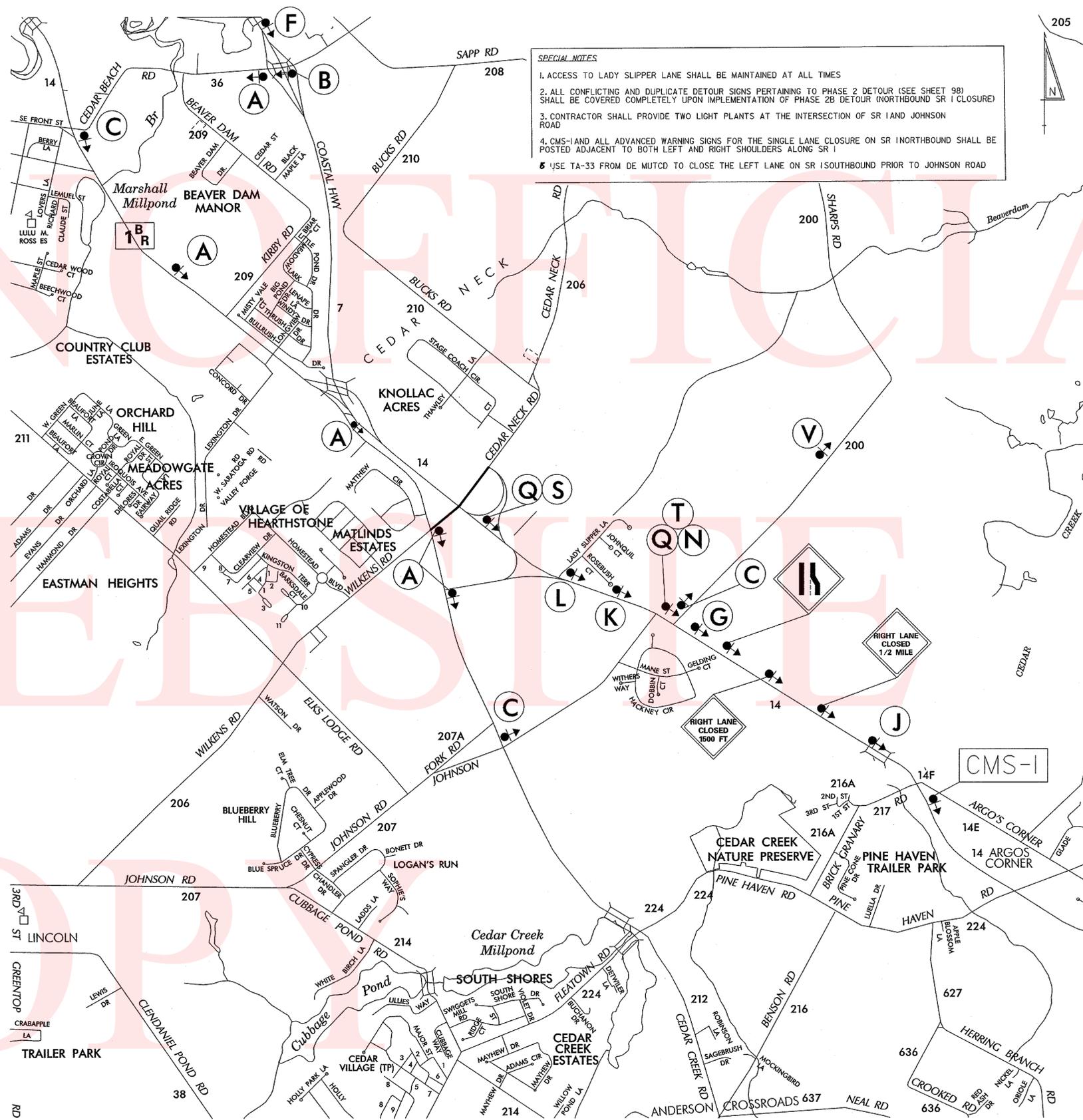
**SPECIAL SIGNS**



D/G FLUORESCENT ORANGE, BLACK LEGEND  
ROUTE SHIELD: WHITE BACKGROUND, BLACK LEGEND

**TRAFFIC OFFICER LOCATIONS:**

1. SR 1 NORTHBOUND AT JOHNSON ROAD (CLOSURE POINT)
2. SR 1 SOUTHBOUND AT JOHNSON ROAD (DIRECTS TRAFFIC)
3. SR 1 NORTHBOUND NORTH OF LADY SLIPPER LANE



**SPECIAL NOTES**

1. ACCESS TO LADY SLIPPER LANE SHALL BE MAINTAINED AT ALL TIMES
2. ALL CONFLICTING AND DUPLICATE DETOUR SIGNS PERTAINING TO PHASE 2 DETOUR (SEE SHEET 98) SHALL BE COVERED COMPLETELY UPON IMPLEMENTATION OF PHASE 2B DETOUR (NORTHBOUND SR 1 CLOSURE)
3. CONTRACTOR SHALL PROVIDE TWO LIGHT PLANTS AT THE INTERSECTION OF SR 1 AND JOHNSON ROAD
4. CMS-1 AND ALL ADVANCED WARNING SIGNS FOR THE SINGLE LANE CLOSURE ON SR 1 NORTHBOUND SHALL BE POSTED ADJACENT TO BOTH LEFT AND RIGHT SHOULDERS ALONG SR 1
5. USE TA-33 FROM DE MUTCD TO CLOSE THE LEFT LANE ON SR 1 SOUTHBOUND PRIOR TO JOHNSON ROAD

**LEGEND**

**DETOUR NORTH**

A: 1 NORTH (up arrow)

B: 1 NORTH (left arrow)

C: 1 NORTH (right arrow)

D: 1 NORTH (down arrow)

E: 1 NORTH (up arrow)

F: END DETOUR

G: DETOUR AHEAD

H: DETOUR 1000 FT

I: DETOUR 500 FT

J: ROAD CLOSED AHEAD

K: ROAD CLOSED 1000 FT

L: ROAD CLOSED 500 FT

M: ROAD NAME

N: DETOUR (left arrow)

O: DETOUR (right arrow)

P: ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY

Q: ROAD CLOSED

R: ROAD CLOSED TO THRU TRAFFIC

S: BARRICADE

T: BARRICADE

**GENERAL NOTES**

1. ALL DETOUR SIGNING INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN 'THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (DE-MUTCD PART 6) FOR LIGHTS, BARRICADES AND SIGNS (AS PER LATEST REVISION)
3. FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
4. SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
5. WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
6. \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
7. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

Z:\SAFETY\CAPITAL PROJECTS\SUSSEX\28-122-01\_SRL1\_SRL30GRADESEPARATEDINTERSECTION\TMP\MATERIAL\SRL1\_SRL30DETOURS.DGN

RECOMMENDED _____ DATE: _____	RECOMMENDED <i>[Signature]</i> DATE: 4/6/12	RECOMMENDED <i>[Signature]</i> DATE: 1-6-12	APPROVED CHIEF SAFETY OFFICER <i>[Signature]</i> DATE: 1-6-12	APPROVED TRAFFIC ENGINEER <i>[Signature]</i> DATE: 1/3/12												
<p><b>DELAWARE DEPARTMENT OF TRANSPORTATION</b></p>		NOT TO SCALE	SR 1, SR 30 GRADE SEPARATED INTERSECTION	<table border="1"> <tr> <td>CONTRACT</td> <td>PERMIT NO.</td> <td>NA</td> </tr> <tr> <td>T200812201</td> <td>DESIGNED BY: SKG</td> <td></td> </tr> <tr> <td>COUNTY</td> <td>CHECKED BY: ASW</td> <td></td> </tr> <tr> <td>SUSSEX</td> <td></td> <td></td> </tr> </table>	CONTRACT	PERMIT NO.	NA	T200812201	DESIGNED BY: SKG		COUNTY	CHECKED BY: ASW		SUSSEX		
CONTRACT	PERMIT NO.	NA														
T200812201	DESIGNED BY: SKG															
COUNTY	CHECKED BY: ASW															
SUSSEX																
<p><b>DETOUR PLAN</b> SR 1 AT WILKINS ROAD/ CEDAR NECK ROAD (PHASE 2B - SR 1 NB CLOSURE)</p>				<p>SHEET NO. 99</p> <p>TOTAL SHTS. 133</p>												

**CHANGEABLE MESSAGE BOARDS:**

**CMS-1**  
 PRIOR TO DETOUR  
 (10 DAYS PRIOR TO BEGINNING OF DETOUR)  
 SR 1 SB  
 TO CLOSE

**ON**  
 XXXX/XX  
 XPM-XAM

**CMS-1**  
 DURING DETOUR  
 SR 1 SB  
 CLOSED  
 1 MILE

**FOLLOW**  
 DETOUR

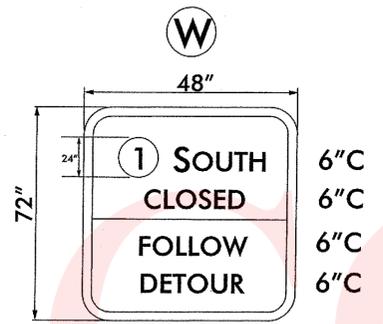
**CMS-2**  
 PRIOR TO DETOUR  
 (10 DAYS PRIOR TO BEGINNING OF DETOUR)  
 XXXXXXXX  
 XXXXXXXX  
 XXXXXXXX

**XXXXXX**  
 XXXXXXXX  
 XXXXXXXX

**CMS-2**  
 DURING DETOUR  
 XXXXXXXX  
 XXXXXXXX  
 XXXXXXXX

**XXXXXX**  
 XXXXXXXX  
 XXXXXXXX

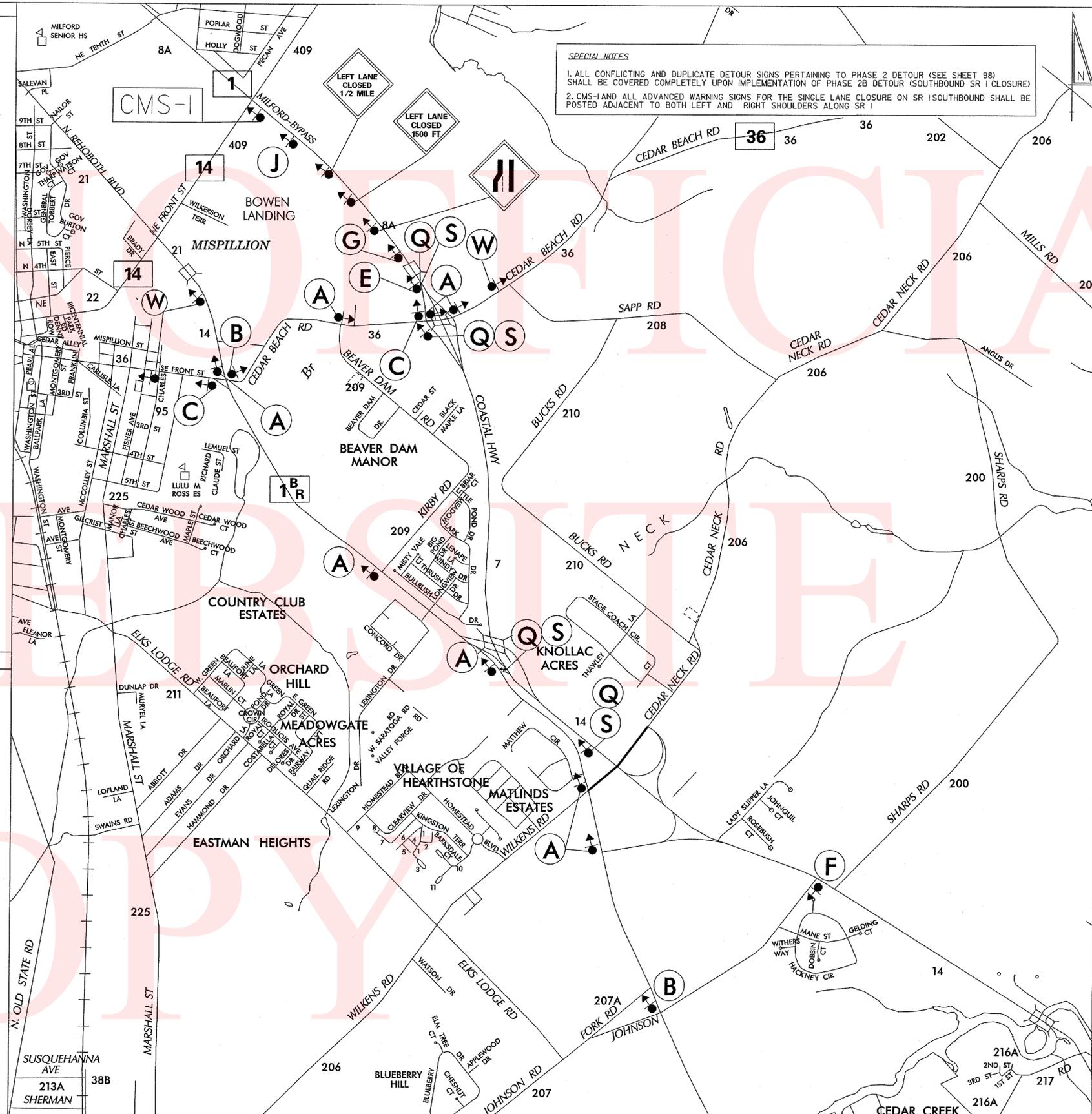
**SPECIAL SIGNS:**



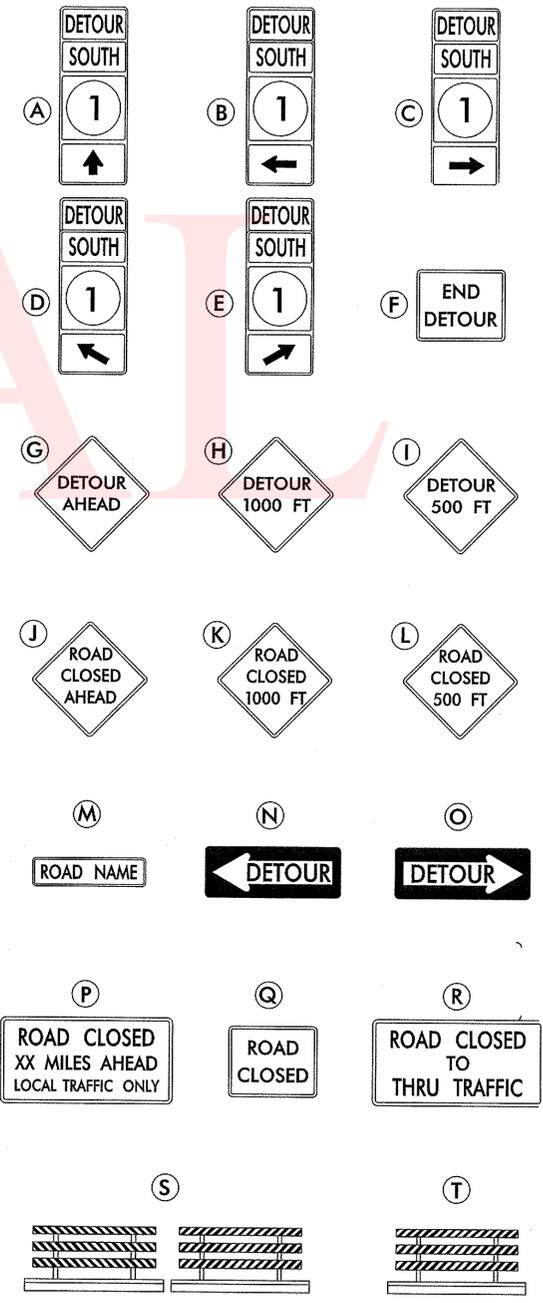
D/G FLUORESCENT ORANGE, BLACK LEGEND  
 ROUTE SHIELD: WHITE BACKGROUND, BLACK LEGEND

**TRAFFIC OFFICER LOCATIONS:**  
 1. SR 1 SOUTHBOUND AT SR 36 OFF-RAMP  
 2. RAMP FROM SR 36 TO SR 1 SOUTHBOUND  
 3. RAMP FROM BUSINESS SR 1 TO SR 1 SOUTHBOUND

**SPECIAL NOTES**  
 1. ALL CONFLICTING AND DUPLICATE DETOUR SIGNS PERTAINING TO PHASE 2 DETOUR (SEE SHEET 98) SHALL BE COVERED COMPLETELY UPON IMPLEMENTATION OF PHASE 2B DETOUR (SOUTHBOUND SR 1 CLOSURE)  
 2. CMS-1 AND ALL ADVANCED WARNING SIGNS FOR THE SINGLE LANE CLOSURE ON SR 1 SOUTHBOUND SHALL BE POSTED ADJACENT TO BOTH LEFT AND RIGHT SHOULDERS ALONG SR 1



**LEGEND:**



**GENERAL NOTES:**

- ALL DETOUR SIGNING INCLUDING, TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN \*THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6) FOR LIGHTS, BARRICADES AND SIGNS.(AS PER LATEST REVISION)
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- SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
- WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S' BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

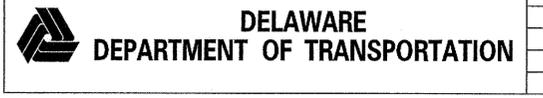
RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_

RECOMMENDED *[Signature]* DATE: 4/6/12

RECOMMENDED *[Signature]* DATE: 1-6-12

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 1-6-12

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 1/9/12



ADDENDUM / REVISIONS

NOT TO SCALE

SR 1, SR 30 GRADE SEPARATED INTERSECTION

CONTRACT T200812201	PERMIT NO. NA	DETOUR PLAN SR 1 AT WILKINS ROAD CEDAR NECK ROAD (PHASE 2B - SR 1 SB CLOSURE)	SHEET NO. 100
COUNTY SUSSEX	DESIGNED BY: SKG		TOTAL SHTS. 133
CHECKED BY: ASW			

Z:\SAFETY\CAPITAL PROJECTS\SUSSEX\28-112-01\_SRL\_SRL\_SR30GRADESEPARATEDINTERSECTION\TMP\MATERIAL\SRL\_SRL\_SR30DETOURS.DGN

**CHANGEABLE MESSAGE BOARDS:**

**CMS-1** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

WILKENS RD WEST OF SR 30

TO CLOSE STARTING XXXXXX

**CMS-2** DURING DETOUR (5 DAYS AFTER DETOUR)

WILKENS RD WEST OF SR 30

CLOSED FOLLOW DETOUR

**CMS-2** PRIOR TO DETOUR (10 DAYS PRIOR TO BEGINNING OF DETOUR)

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

**CMS-2** DURING DETOUR

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

**SPECIAL SIGNS:**

**U** 48" x 48"

Wilkins Rd  
CLOSED  
WEST OF  
30  
FOLLOW  
DETOUR

6" 6" 6" 6" 6" 6"

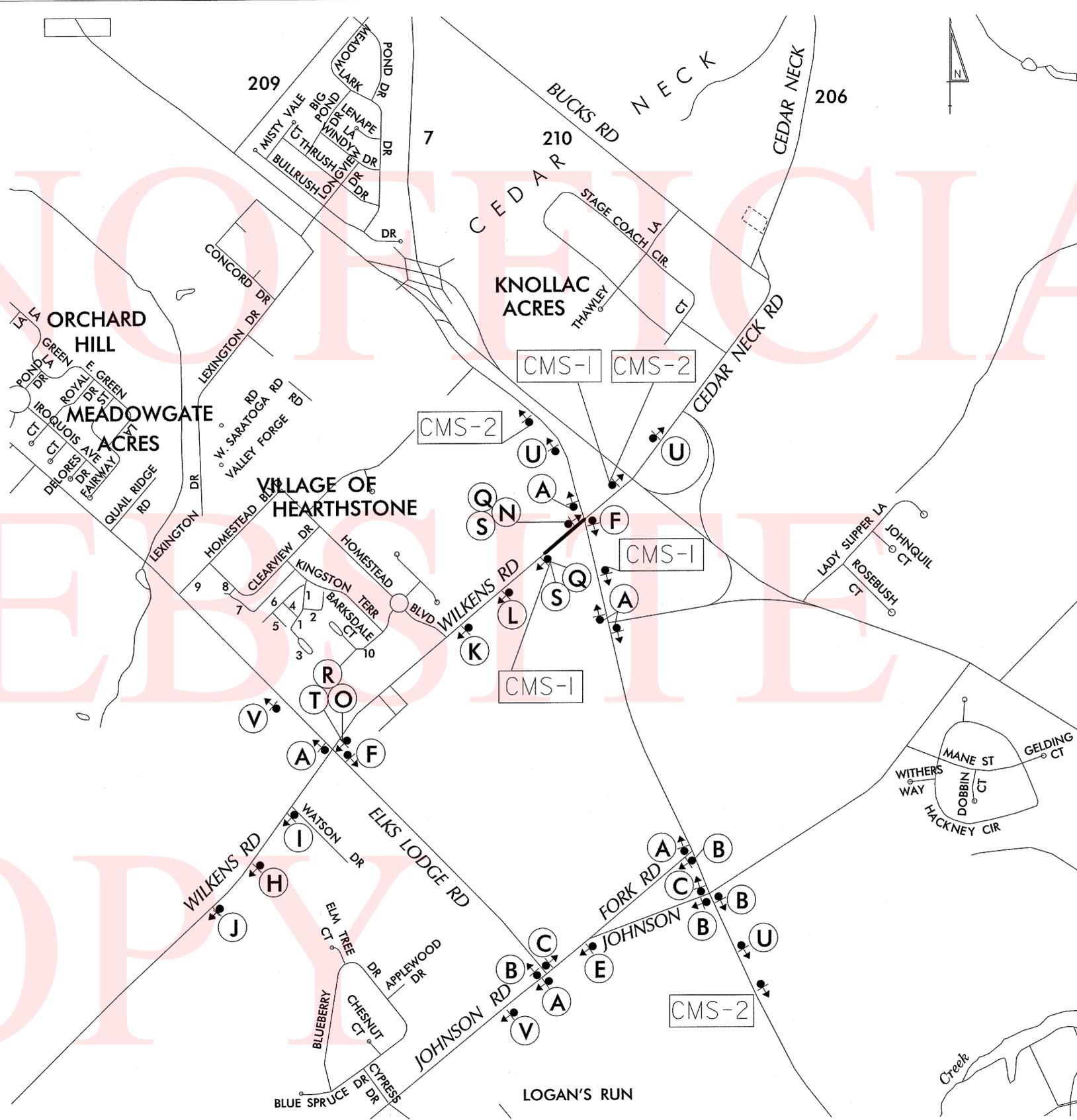
**V** 48" x 72"

Wilkins Rd  
CLOSED  
EAST OF  
Elks Lodge Rd  
FOLLOW  
DETOUR

6" 6" 6" 5" 6" 6"

D/G FLUORESCENT ORANGE, BLACK LEGEND  
ROUTE SHIELD: WHITE BACKGROUND, BLACK LEGEND

\* U Sign shall be mounted on two 4" x 6" wood posts. The posts shall be ground mounted and breakaway in accordance with NCHRP Report 350



**LEGEND:**

**A** DETOUR (up arrow)

**B** DETOUR (left arrow)

**C** DETOUR (right arrow)

**D** DETOUR (up-left arrow)

**E** DETOUR (up-right arrow)

**F** END DETOUR

**G** DETOUR AHEAD

**H** DETOUR 1000 FT

**I** DETOUR 500 FT

**J** ROAD CLOSED AHEAD

**K** ROAD CLOSED 1000 FT

**L** ROAD CLOSED 500 FT

**M** ROAD NAME

**N** DETOUR (left arrow)

**O** DETOUR (right arrow)

**P** ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY

**Q** ROAD CLOSED

**R** ROAD CLOSED TO THRU TRAFFIC

**S** BARRICADE (diagonal hatching)

**T** BARRICADE (diagonal hatching)

**GENERAL NOTES:**

- ALL DETOUR SIGNING INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6) FOR LIGHTS, BARRICADES AND SIGNS (AS PER LATEST REVISION)
- FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
- SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
- WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_ RECOMMENDED Todd Pryor DATE: 1/9/11 RECOMMENDED [Signature] DATE: 1/9/12 APPROVED CHIEF SAFETY OFFICER [Signature] DATE: 1-9-12 APPROVED TRAFFIC ENGINEER [Signature] DATE: 1/9/12

**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUM / REVISIONS

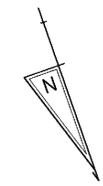
NOT TO SCALE

SR 1, SR 30 GRADE SEPARATED INTERSECTION

CONTRACT	T200812201
COUNTY	SUSSEX
PERMIT NO.	X
DESIGNED BY:	SKG
CHECKED BY:	ASW

DETOUR PLAN	SR 30 AT WILKENS ROAD	SHEET NO.	101
(PHASE 3: STAGE 3 - WILKENS ROAD CLOSURE)		TOTAL SHTS.	133

Z:\SAFETY\CAPITAL PROJECTS\SUSSEX\28-122-01\SR30GRADESEPARATEDINTERSECTION\TEMP\MATERIAL\SR1\_S30DETOURS.DGN



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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,400 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,394 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1,400 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	153 LF
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	315 LF
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	

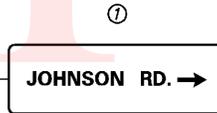
CCM-KOELIG, LLC  
3-30-16.00-5.00  
D.B. 03504-00212



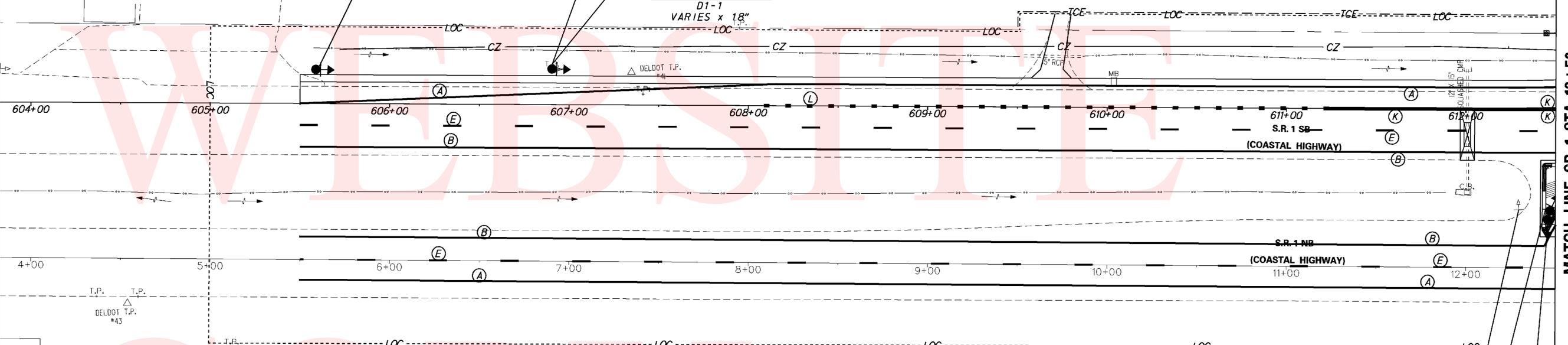
R2-1  
36" x 48"  
PLACE TWO SPEED LIMIT SIGNS SOUTH OF THE JOHNSON RD. INTERSECTION.



M3-3  
36" x 18"  
M1-5  
36" x 36"



D1-1  
VARIES x 18"

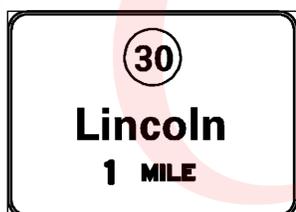


SARA M. HEINICKE  
3-30-16.00-255.00  
D.B. 03772-00016

LUTHER FRANK & FAITH M. JEWELL  
3-30-16.00-3.01  
D.B. 02765-00073

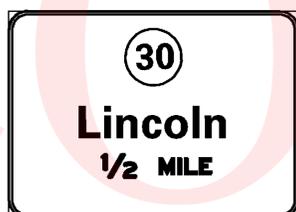
LUTHER FRANK & FAITH M. JEWELL  
3-30-16.00-265.00  
D.B. 02765-00073

LUE-ANN DECASTRO  
3-30-16.00-262.00  
D.B. 03084-00064



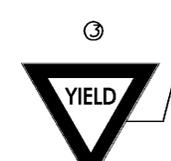
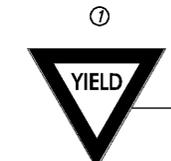
PLACE AT 1 MILE FROM EXIT. EXACT LOCATION MUST BE CONFIRMED AND HAVE ENGINEER'S APPROVAL UPON INSTALLATION. GROUND MOUNTED

GM-1  
2E. 34  
11' x 12'

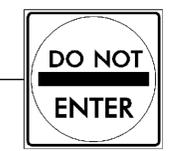


PLACE AT 1/2 MILE FROM EXIT. EXACT LOCATION MUST BE CONFIRMED AND HAVE ENGINEER'S APPROVAL UPON INSTALLATION. GROUND MOUNTED

GM-2  
2E. 34  
11' x 12'



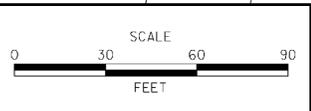
R1-2  
48" x 48" x 48"



R5-1  
36" x 36"

Y:\SUSSEX\014\ROAD\281220\PLANS\FINAL\CONSTRUCTION\SS01.DGN

ADDENDUMS / REVISIONS



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

<b>SIGNING &amp; STRIPING PLAN</b>	SHEET NO. 102
	TOTAL SHTS. 133

W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

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

CCM-KOELIG, LLC  
3-30-16.00-5.00  
D.B. 03504-00212

W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

ROBERT W. & TINA K. CLARK  
3-30-12.00-18.00  
D.B. 2659-125

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,842 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,821 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	180 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1510 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	430 LF
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	

Milton	7
Lewes	18
Rehoboth Beach	21

R5-1  
36" x 36"

ADDENDUMS / REVISIONS



**SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION**

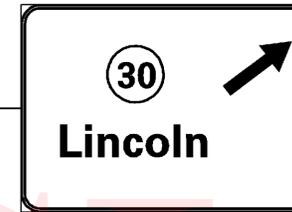
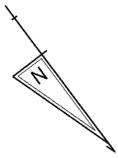
CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING  
PLAN**

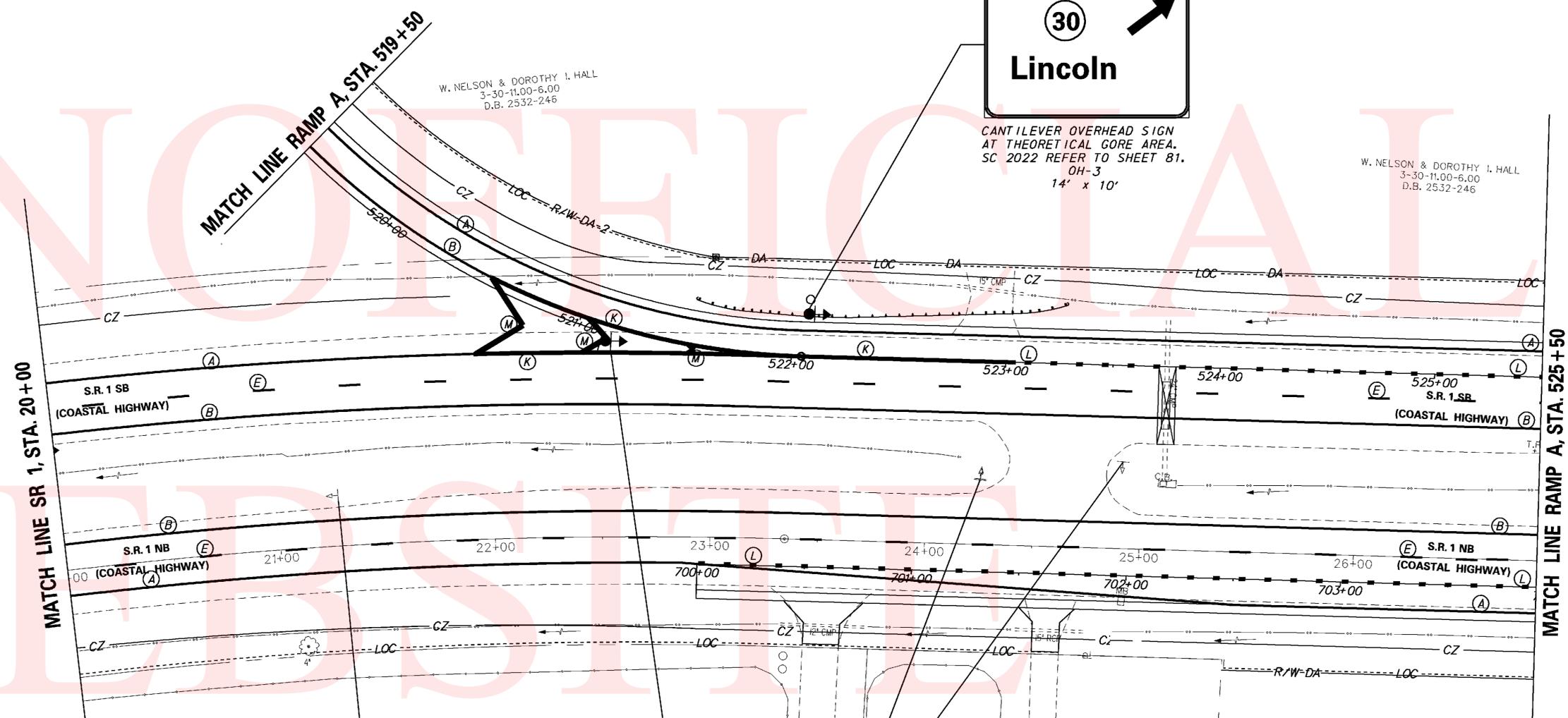
SHEET NO. 103
TOTAL SHTS. 133

**DELAWARE  
DEPARTMENT OF TRANSPORTATION**

Y:\SUSSEX\014\ROAD\2812201\PLANS\FINAL\CONSTRUCTION\SS02.DGN



CANTILEVER OVERHEAD SIGN  
AT THEORETICAL GORE AREA.  
SC 2022 REFER TO SHEET 81.  
OH-3  
14' x 10'

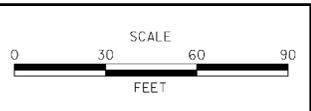


SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1, 475 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1, 486 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1, 375 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	403 LF
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	635 LF
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	85 LF



ADDENDUMS / REVISIONS	



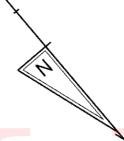
SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION

CONTRACT	BRIDGE NO.
T200812201	DESIGNED BY: JLC
COUNTY	CHECKED BY: JRG
SUSSEX	

SIGNING & STRIPING  
PLAN

SHEET NO.	104
TOTAL SHTS.	133

Y:\SUSSEX\014\ROAD\2812201\PLANS\FINAL\CONSTRUCTION\SS03.DGN



W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

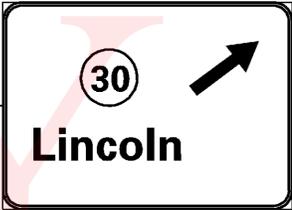
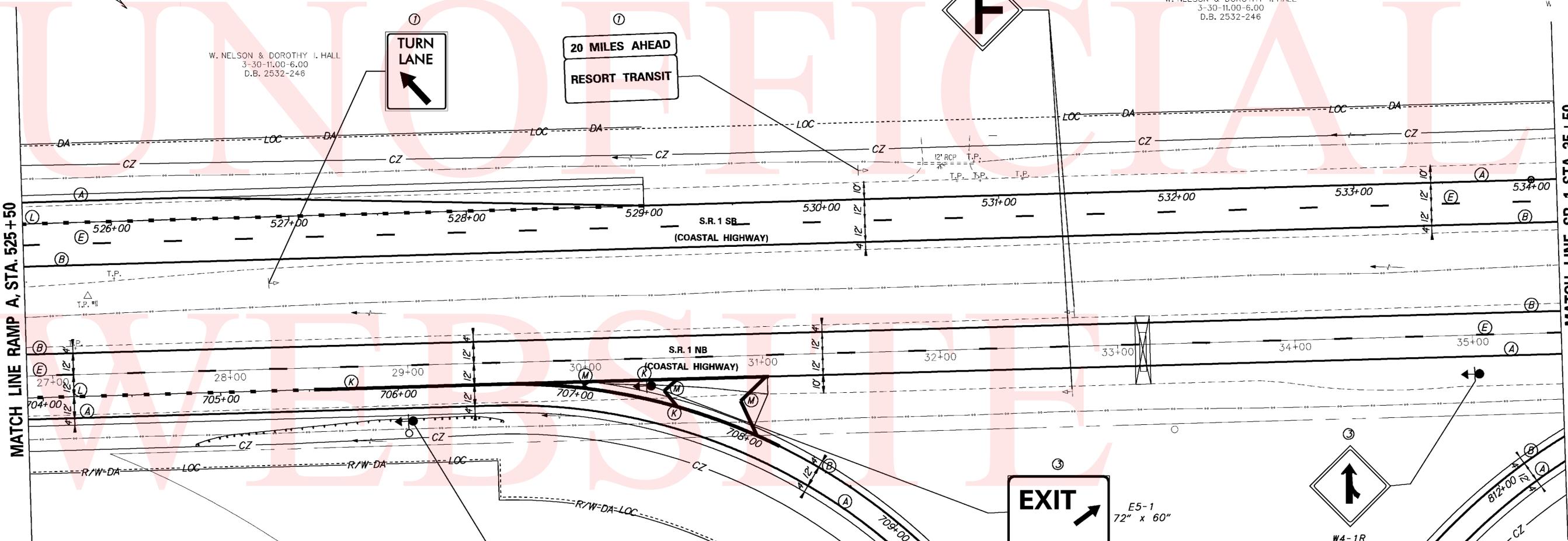
W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

TURN LANE  
20 MILES AHEAD  
RESORT TRANSIT



MATCH LINE RAMP A, STA. 525+50

MATCH LINE SR 1, STA. 35+50



CANTILEVER OVERHEAD SIGN AT THEORETICAL GORE AREA. SC 2021 REFER TO SHEET 81.  
OH-3  
14' x 10'



E13-1P  
72" x 24"



W4-1R  
48" x 48"

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2, 284 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2116 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	252 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1, 635 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	418 LF
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	515 LF
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	70 LF

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

COUNTRY REST HOMES, INC.  
3-30-11.00-73.00  
D.B. 694-345

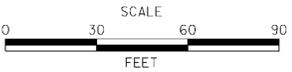
COUNTRY REST HOMES, INC.  
3-30-11.00-73.00  
D.B. 694-345

COUNTRY REST HOMES, INC.  
3-30-11.00-73.00  
D.B. 694-345

Y:\SUSSEX\014\ROAD\281220\PLANS\FINAL\CONSTRUCTION\SS04.DGN



ADDENDUMS / REVISIONS



SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION

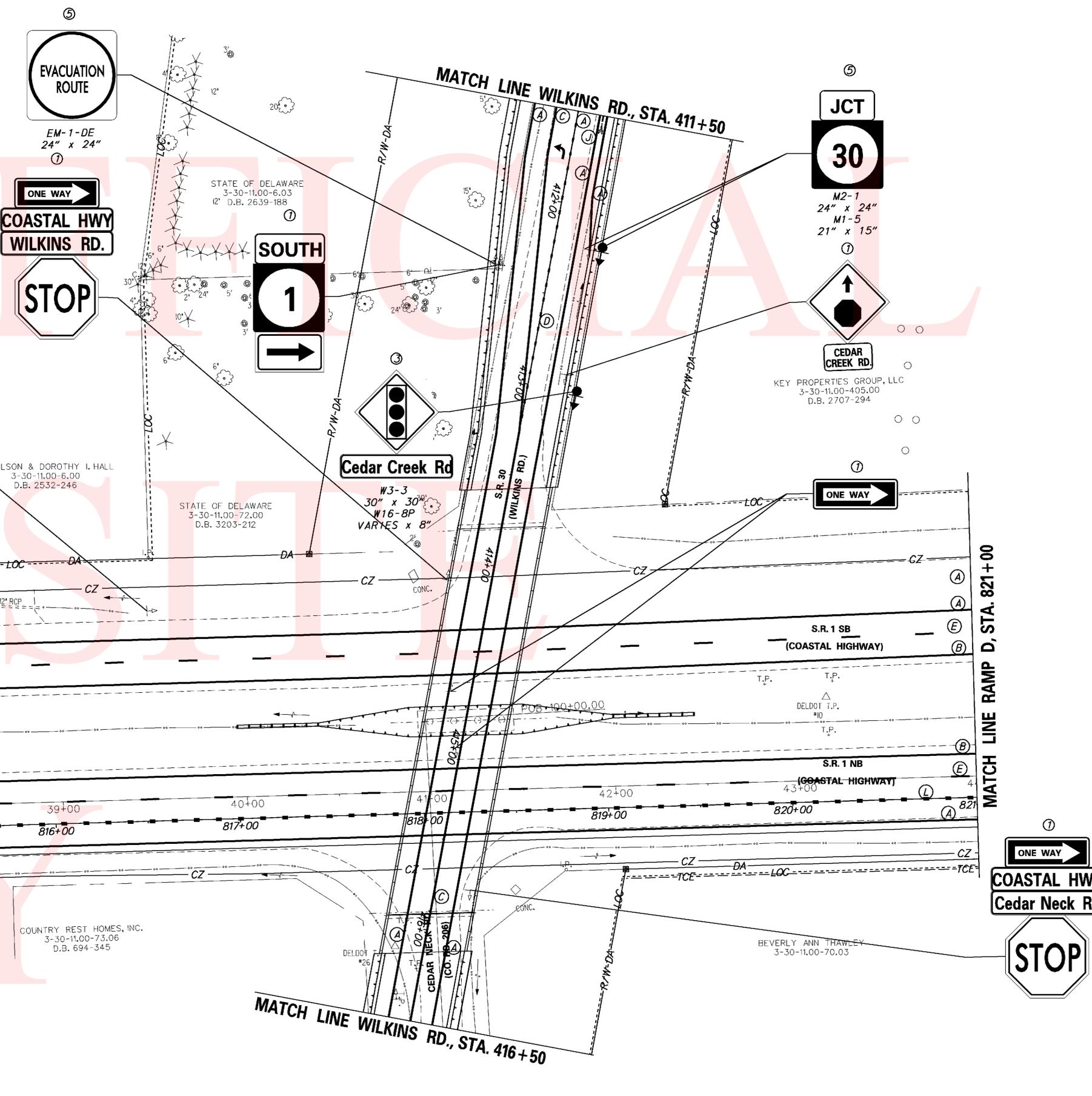
CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

SIGNING & STRIPING  
PLAN

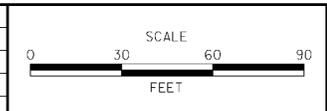
SHEET NO. 105
TOTAL SHTS. 133

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	3,018 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,714 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	501 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	177 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1,692 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	10 SF
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	417 LF
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	572 LF
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	



ADDENDUMS / REVISIONS	



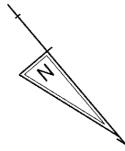
**SR 1, SR 30**  
**GRADE SEPARATED**  
**INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING**  
**PLAN**

SHEET NO. 106
TOTAL SHTS. 133

Y:\SUSSEX\014\ROAD\281220\PLANS\FINAL\CONSTRUCTION\SS05.DGN



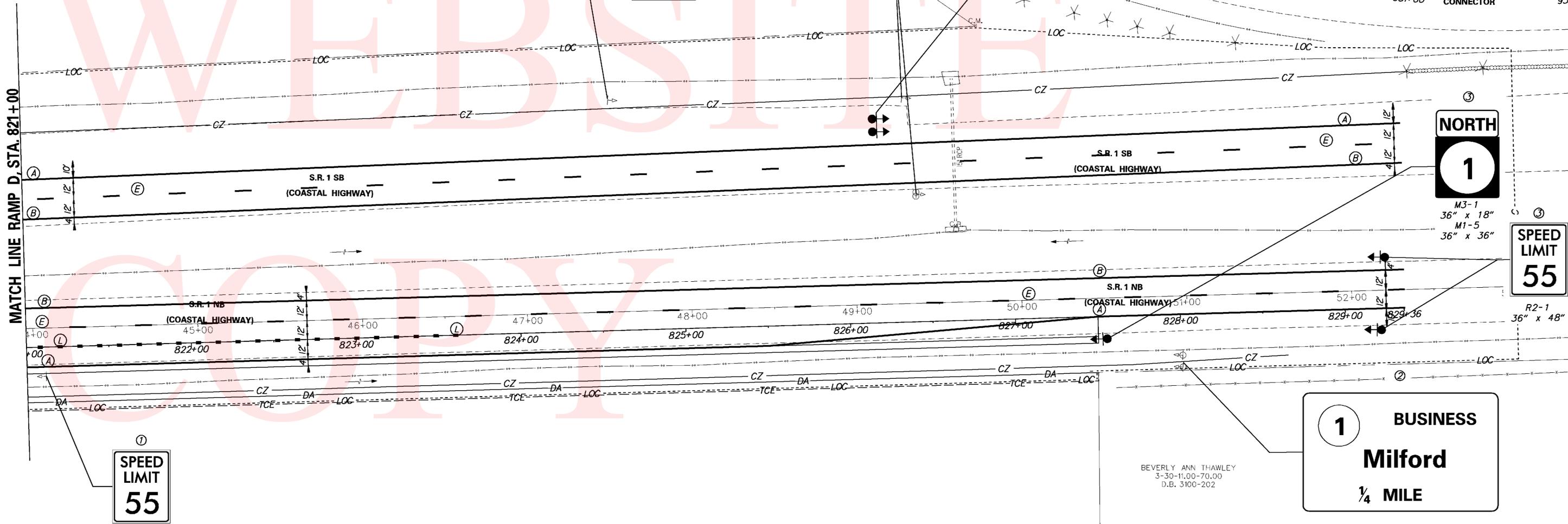
MICHAEL D. & JACQUELINE ROONEY  
3-30-11-351  
D.B. 2553-195

MATCH LINE SR30SR 1  
BUSINESS CONNECTOR,  
STA. 821+00

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,674 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,674 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1,673 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	
(K)	10" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748549)	
(L)	10" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 3' LINE & 9' GAP (ITEM 748549)	262 LF
(M)	12" PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC (ITEM 748027)	

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

KEY PROPERTIES GROUP, LLC  
3-30-11.00-405.00  
D.B. 2707-294

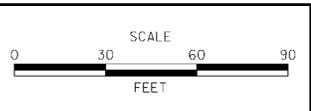


BEVERLY ANN THAWLEY  
3-30-11.00-70.00  
D.B. 3100-202

Y:\SUSSEX\014\ROAD\2812201\PLANS\FINAL\CONSTRUCTION\SS06.DGN

**DELAWARE**  
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

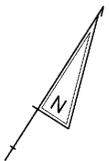


**SR 1, SR 30**  
**GRADE SEPARATED**  
**INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

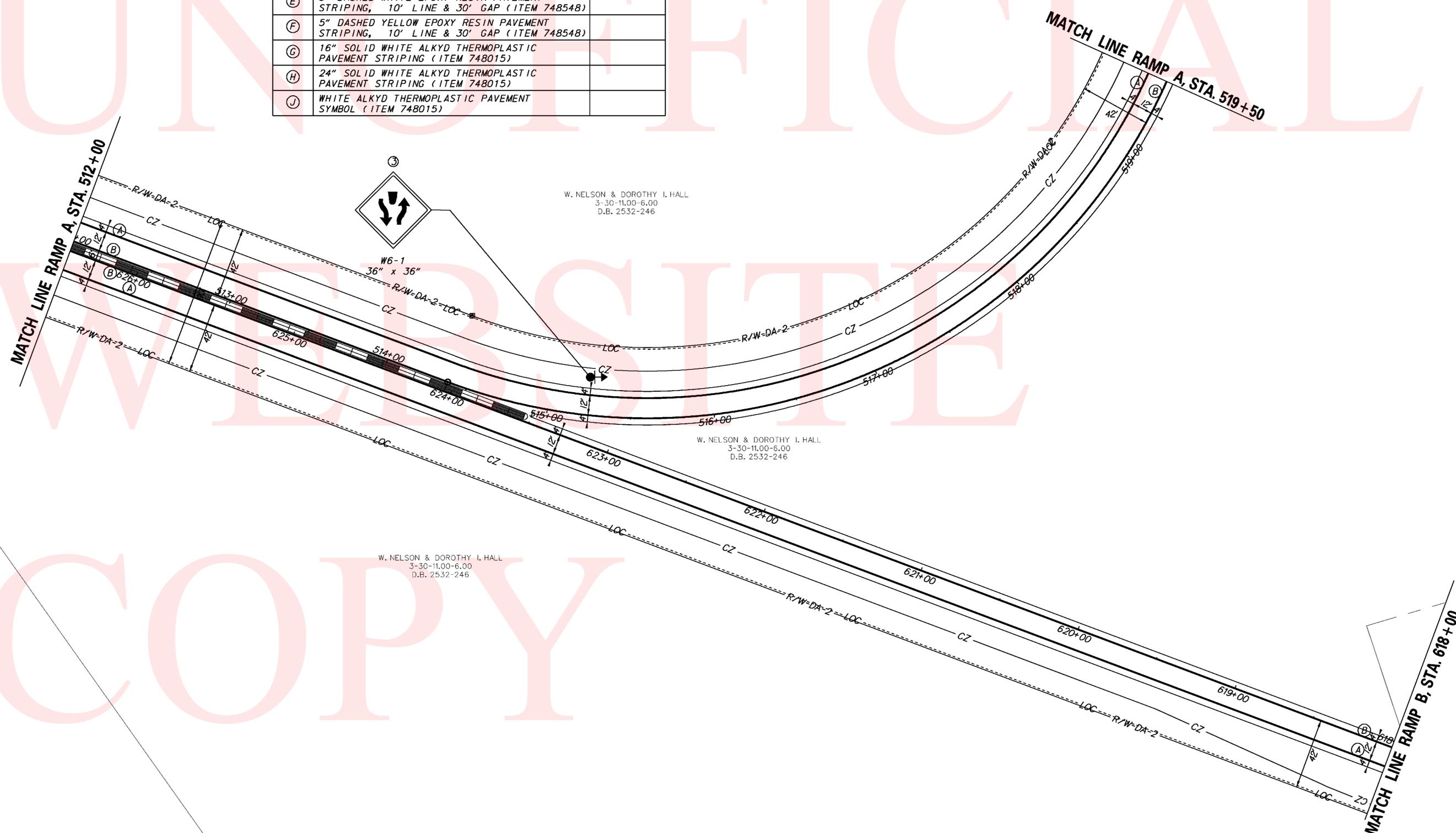
**SIGNING & STRIPING**  
**PLAN**

SHEET NO. 107
TOTAL SHTS. 133



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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,575 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,593 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	



W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

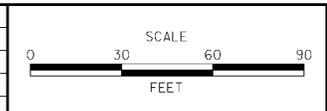
W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

W. NELSON & DOROTHY I. HALL  
3-30-11.00-6.00  
D.B. 2532-246

Y:\SUSSEX\014\ROAD\281220\PLANS\FINAL\CONSTRUCTION\SS07.DGN

**DELAWARE**  
**DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



**SR 1, SR 30**  
**GRADE SEPARATED**  
**INTERSECTION**

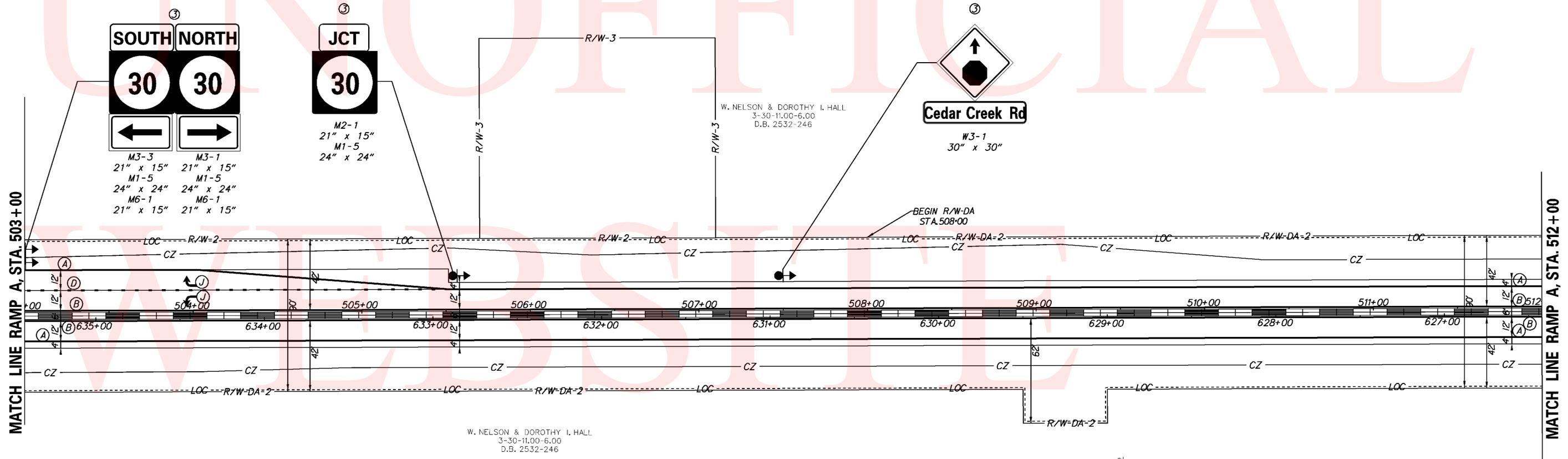
CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING**  
**PLAN**

SHEET NO.	108
TOTAL SHTS.	133



UNOFFICIAL



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,801 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,800 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	252 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	31 SF

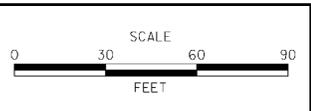
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

PATRICK J. & JUDY KAY L. EMORY  
3-30-15.00-62.01  
D.B. 2310-085

Y:\SUSSEX\014\ROAD\281220\PLANS\FINAL\CONSTRUCTION\SS08.DGN



ADDENDUMS / REVISIONS	



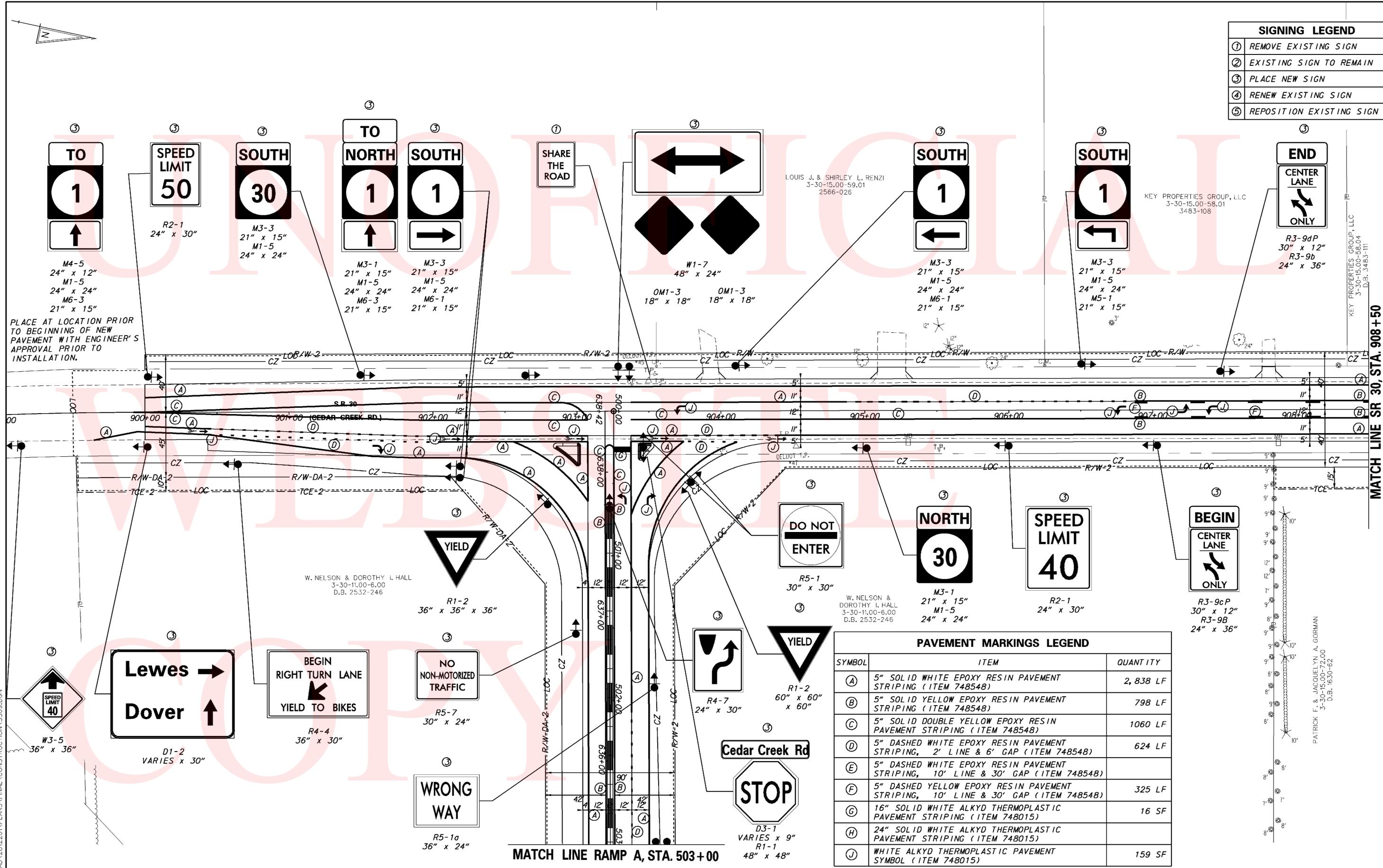
**SR 1, SR 30**  
**GRADE SEPARATED**  
**INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING**  
**PLAN**

SHEET NO. 109
TOTAL SHTS. 133

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



PLACE AT LOCATION PRIOR TO BEGINNING OF NEW PAVEMENT WITH ENGINEER'S APPROVAL PRIOR TO INSTALLATION.

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	2, 838 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	798 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1060 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	624 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	325 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	16 SF
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	159 SF

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PATRICK F. & JACQUELYN A. GORMAN  
3-30-15.00-72.00  
D.B. 1630-62

KEY PROPERTIES GROUP, LLC  
3-30-15.00-58.04  
D.B. 3483-111

MATCH LINE SR 30, STA. 908+50

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

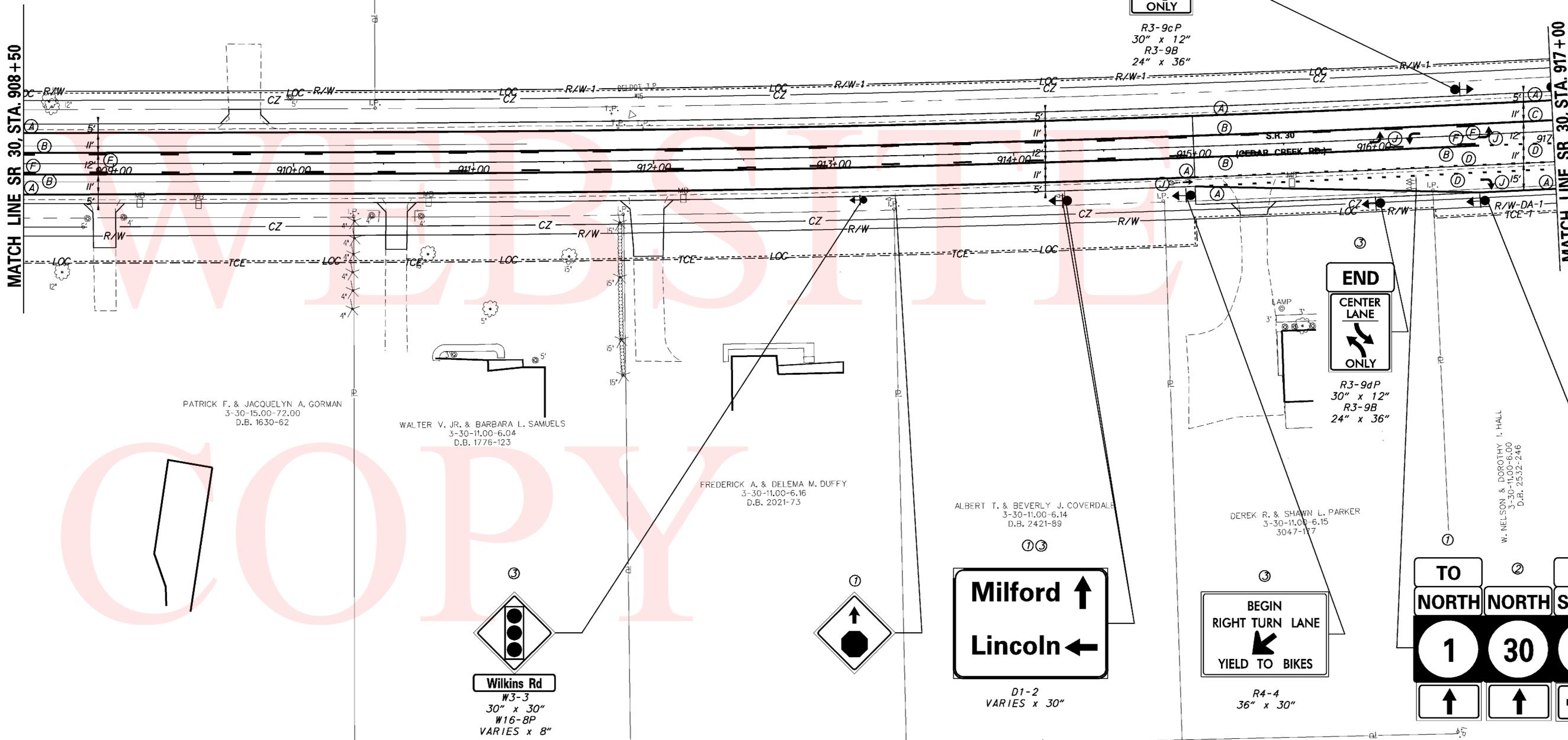
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,711 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1,657 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	443 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	1,657 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	72 SF

KEY PROPERTIES GROUP, LLC  
3-30-15.00-58.00  
3251-314

KEY PROPERTIES GROUP, LLC  
3-30-15.00-58.04  
D.B. 3483-111

MATCH LINE SR 30, STA. 908+50

MATCH LINE SR 30, STA. 917+00



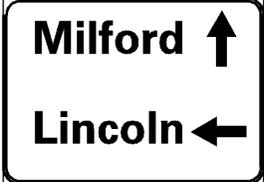
R3-9cP  
30" x 12"  
R3-9B  
24" x 36"



R3-9dP  
30" x 12"  
R3-9B  
24" x 36"



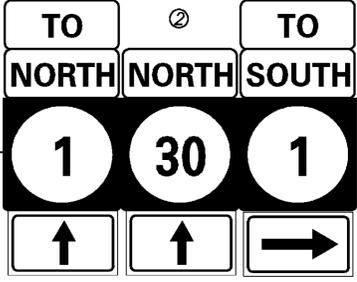
W3-3  
30" x 30"  
W16-8P  
VARIES x 8"



D1-2  
VARIES x 30"

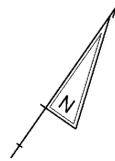


R4-4  
36" x 30"



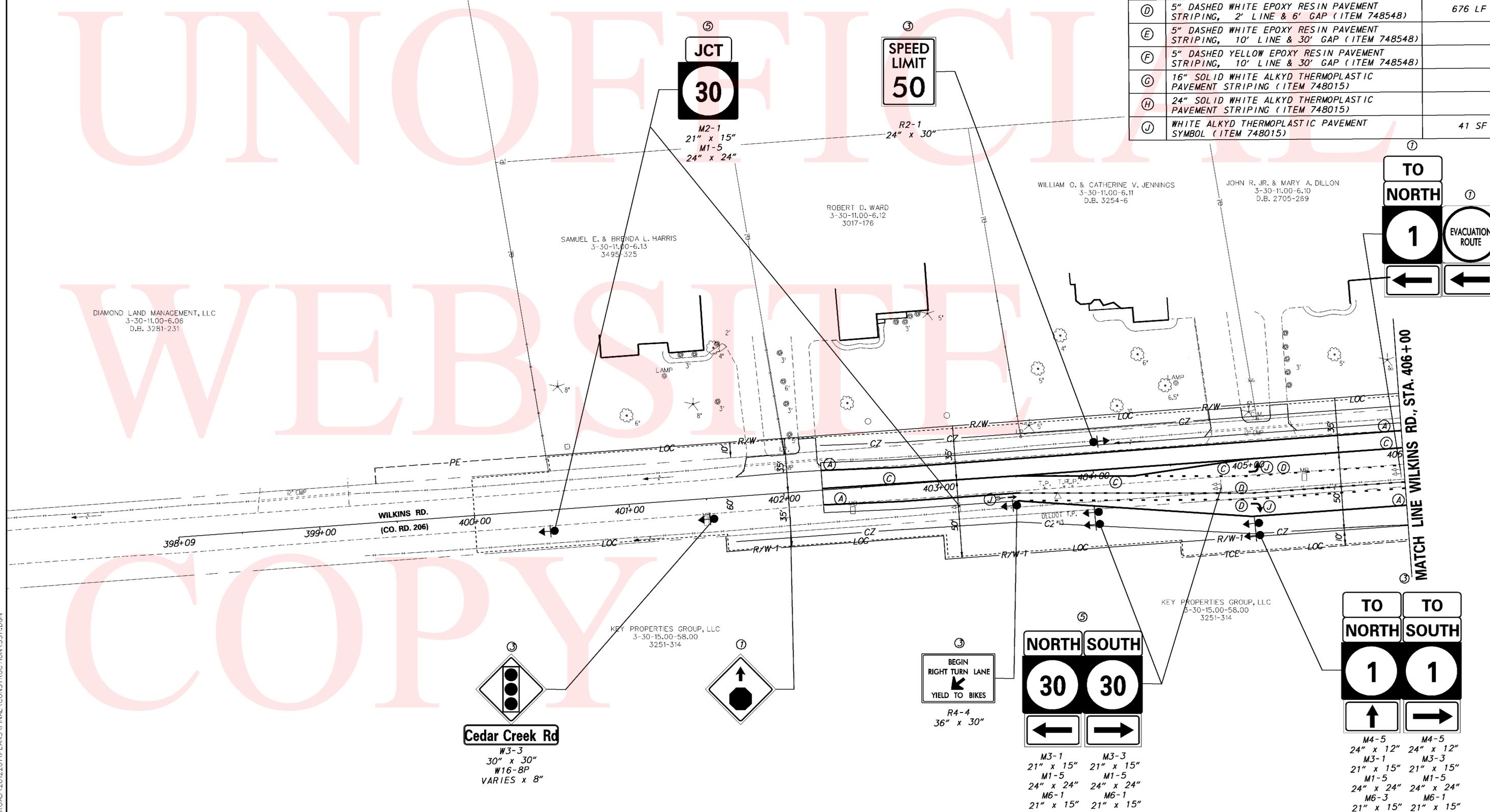
M4-5  
24" x 12"  
M3-1  
21" x 15"  
M1-5  
24" x 24"  
M6-1  
21" x 15"

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

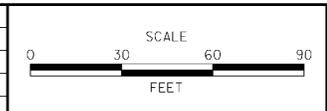
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	752 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	529 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	676 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	41 SF



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

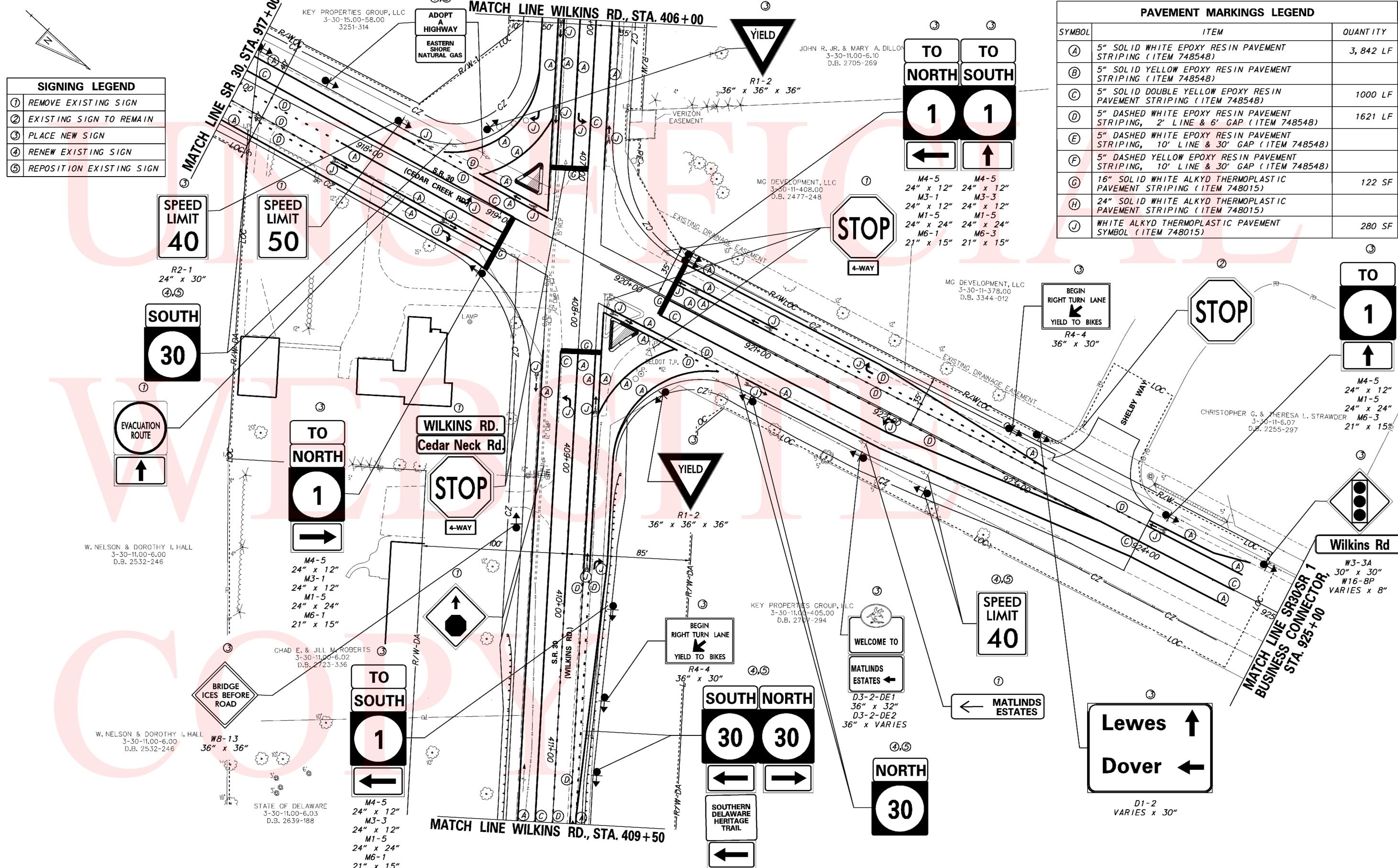
CONTRACT	BRIDGE NO.
T200812201	DESIGNED BY: JLC
COUNTY	CHECKED BY: JRG
SUSSEX	

**SIGNING & STRIPING PLAN**

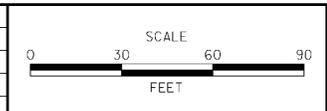
SHEET NO.	112
TOTAL SHTS.	133

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	3,842 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1000 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	1621 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	122 SF
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	280 SF



ADDENDUMS / REVISIONS	



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

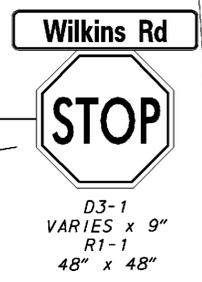
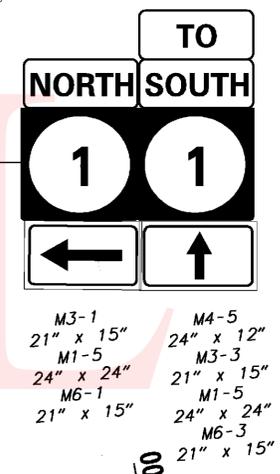
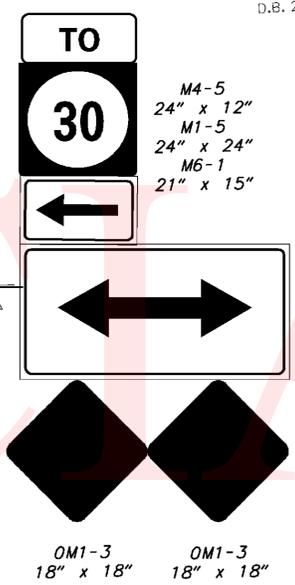
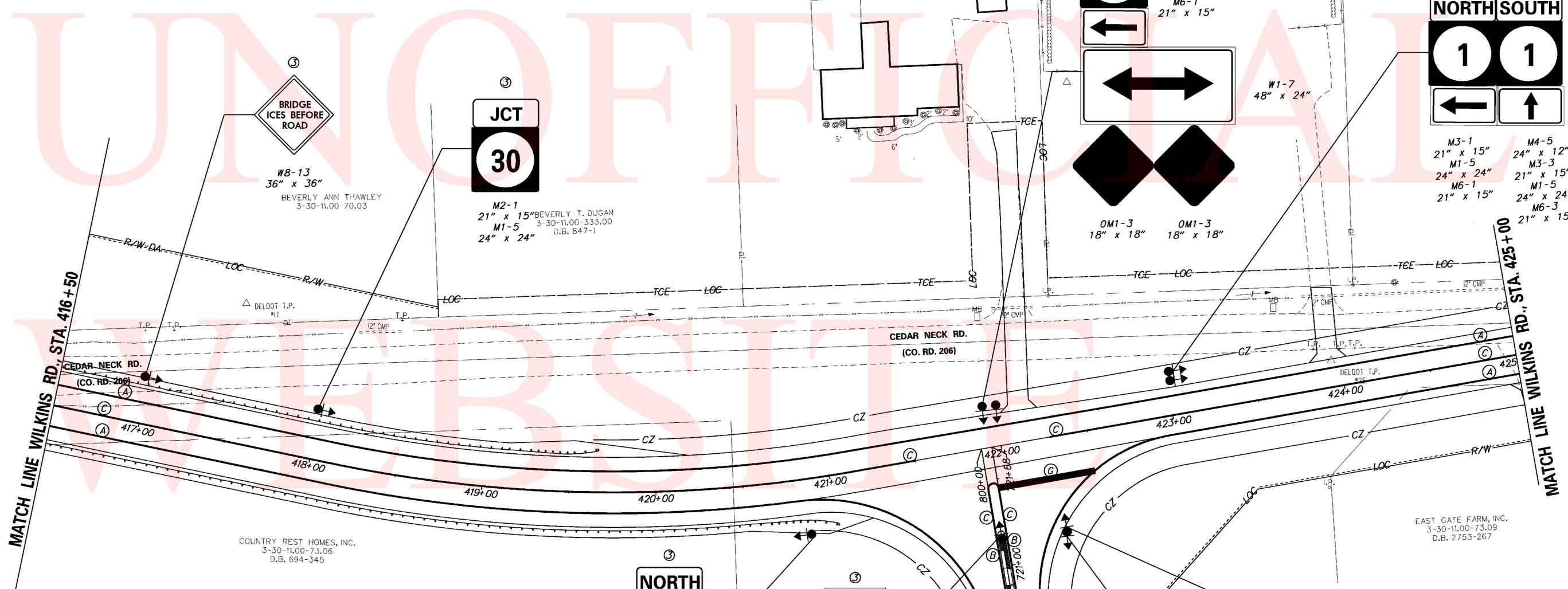
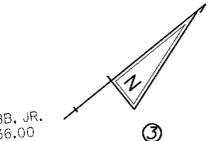
<b>SIGNING &amp; STRIPING PLAN</b>	SHEET NO. 113
	TOTAL SHTS. 133

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SHANNON W. & JENNIFER L. LEGG  
3-30-11.00-335.00  
D.B. 2490-348

WILSON V. JR. & KAREN S. GILLESPIE  
3-30-11.00-334.00  
D.B. 2937-219

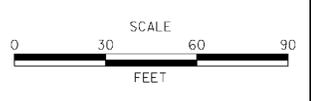
WILLIAM H. WEBB, JR.  
3-30-11.00-356.00  
D.B. 2466-183



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1967 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	300 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	835 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	56 SF
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	

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

ADDENDUMS / REVISIONS



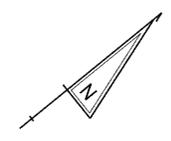
**SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING  
PLAN**

SHEET NO. 114
TOTAL SHTS. 133

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WILLIAM H. WEBB, JR.  
3-30-11.00-336.00  
D.B. 2466-183

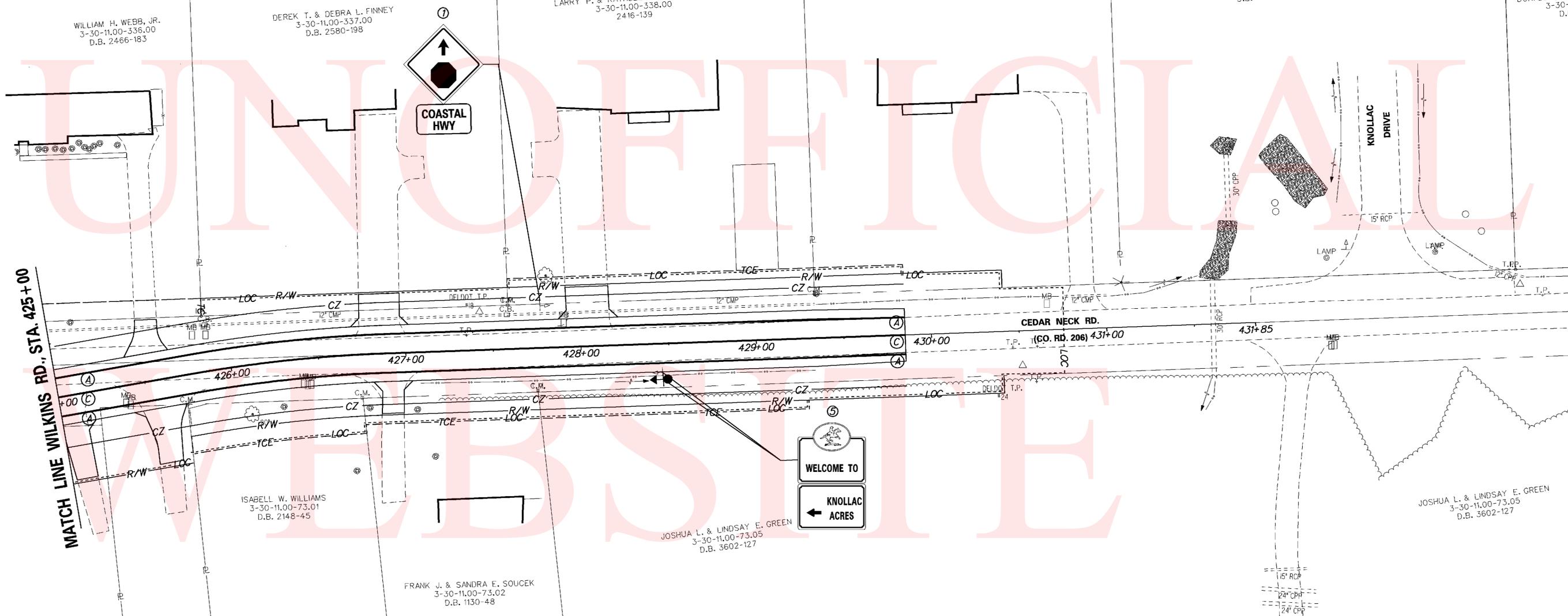
DEREK T. & DEBRA L. FINNEY  
3-30-11.00-337.00  
D.B. 2580-198

LARRY P. & KATHLEEN M. TROMBELLO  
3-30-11.00-338.00  
2416-139

SHERRY L. PHILLIPS  
3-30-11.00-339.00  
D.B. 2786-325

FOWLER & SONS CONTRACTORS, INC.  
3-30-11.00-70.02  
D.B. 2902-163  
D.B.

DONALD A. & TERRY L. WEGNER  
3-30-11.00-340.00  
D.B. 2153-12



MATCH LINE WILKINS RD., STA. 425+00

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	970 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	485 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	

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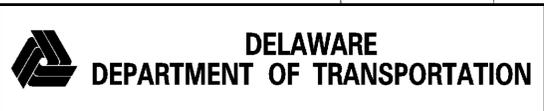
CHARLES G. & PATRICIA A. WAGNER  
3-30-11.00-73.03  
2748-220

ISABELL W. WILLIAMS  
3-30-11.00-73.01  
D.B. 2148-45

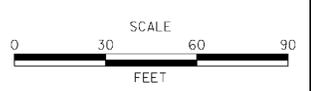
FRANK J. & SANDRA E. SOUCEK  
3-30-11.00-73.02  
D.B. 1130-48

JOSHUA L. & LINDSAY E. GREEN  
3-30-11.00-73.05  
D.B. 3602-127

JOSHUA L. & LINDSAY E. GREEN  
3-30-11.00-73.05  
D.B. 3602-127



ADDENDUMS / REVISIONS	



**SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION**

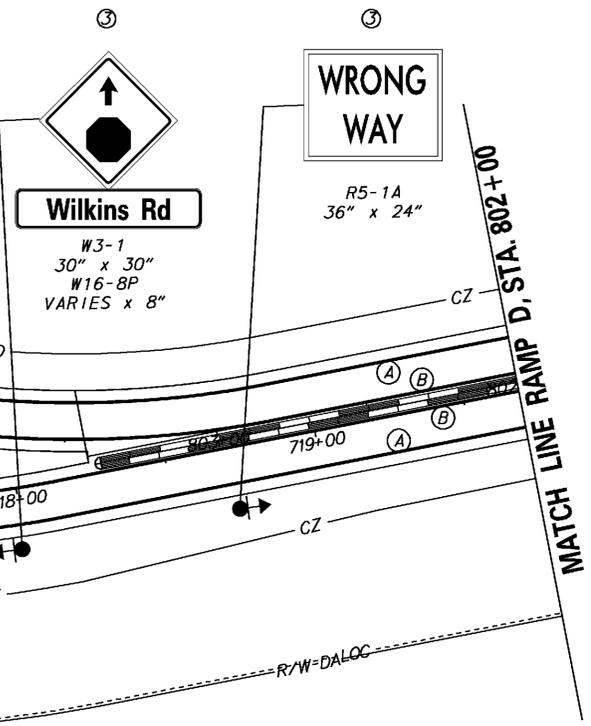
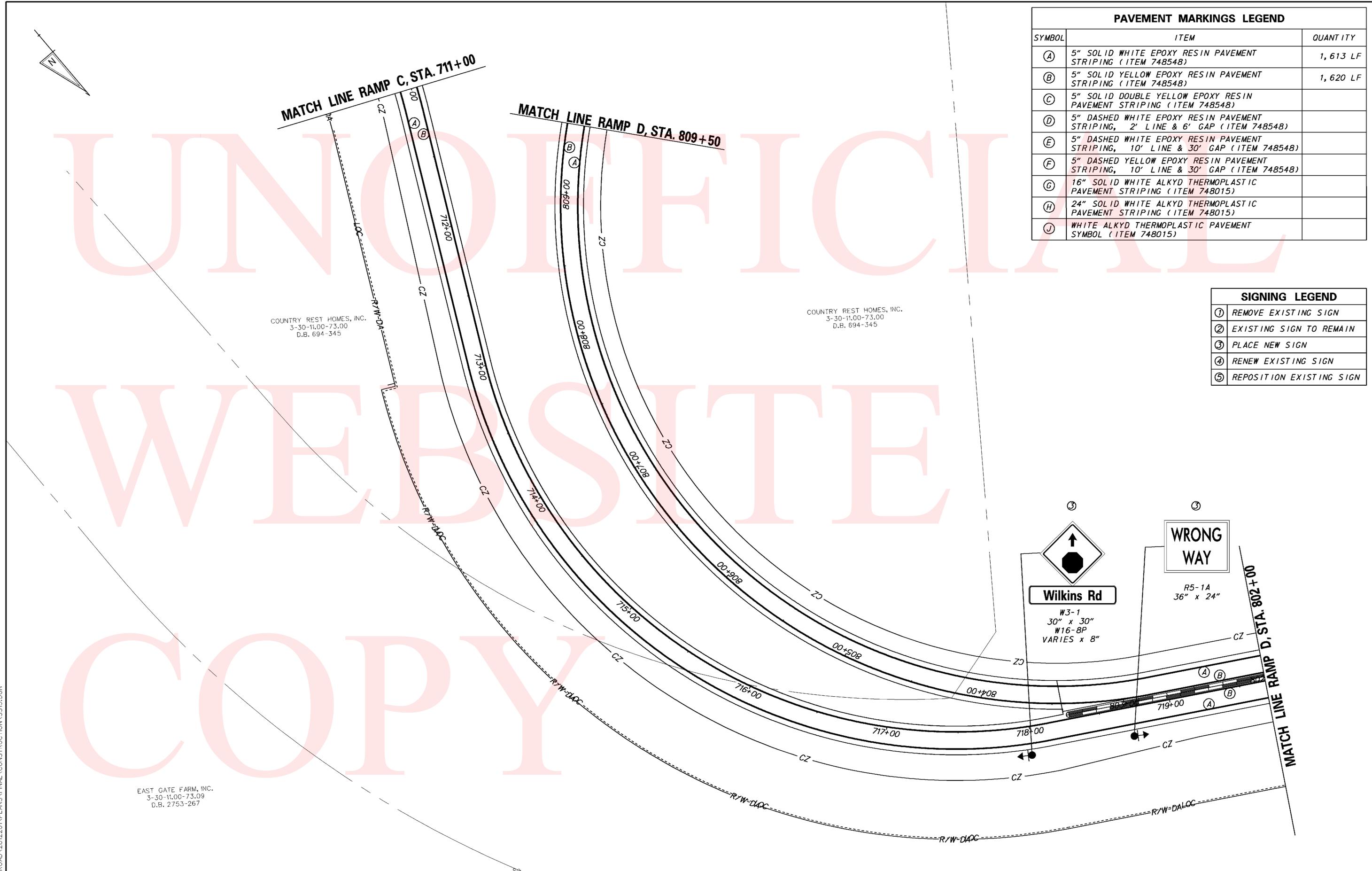
CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

**SIGNING & STRIPING  
PLAN**

SHEET NO. 115
TOTAL SHTS. 133

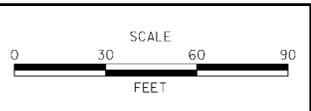
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1, 613 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	1, 620 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	

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



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ADDENDUMS / REVISIONS



CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: JLC
	CHECKED BY: JRG

PANEL DESIGNATION	SHEET NUMBER	QUANTITY	LEGEND	SIZE			COLOR		BORDER			REMARKS	PANEL DESIGNATION	SHEET NUMBER	QUANTITY	LEGEND	SIZE			COLOR		BORDER			REMARKS	
				AREA	HEIGHT	WIDTH	LEGEND	BCKGRND	WIDTH	RADIUS	ARROW						SHIELD	AREA	HEIGHT	WIDTH	LEGEND	BCKGRND	WIDTH	RADIUS		ARROW
GM-1	103,108	2		132 <sup>sq</sup>	12'-0"	11'-0"	W	G	2"	12"	-	M1-5 36"	-	EXTRUDED ALUMINUM												
GM-2	03,108	2		132 <sup>sq</sup>	12'-0"	11'-0"	W	G	2"	12"	-	M1-5 36"	-	EXTRUDED ALUMINUM												
OH-3	05,106	2		140 <sup>sq</sup>	10'-0"	14'-0"	W	G	2"	12"	TYPE A @45° 28"	M1-5 36"	-	EXTRUDED ALUMINUM												

NOTES: 1. COLORS: B=BLACK, BL=BLUE, BR=BROWN, G=GREEN, W=WHITE/SILVER, Y=YELLOW.  
2. THE CONTRACTOR WILL FURNISH AND INSTALL ALL SIGNS SHOWN ON THIS SHEET.

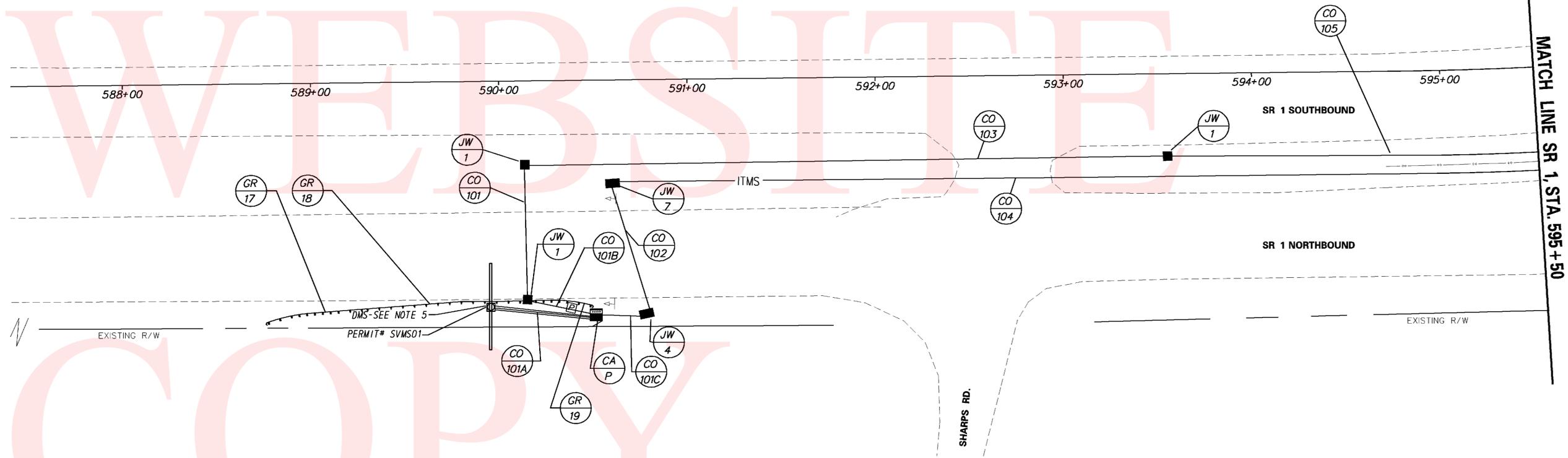
### LIGHTING & ITMS LEGEND

-  PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
-  PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
-  PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
-  PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
-  PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
-  PROPOSED LIGHTING CONDUIT
-  PROPOSED JUNCTION WELL
-  PROPOSED METERED SERVICE CABINET
-  PROPOSED WAVTRONIX DETECTOR
-  PROPOSED CCTV CAMERA

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
101A	1	4.0"	50'	COMM. CABLE	TRENCH
	2	2.0"	50'	(6)#2 THWN	TRENCH
101B	1	2.0"	32'	(6)#2 THWN	TRENCH
101C	1	4.0"	22'	COMM. CABLE	TRENCH
101	1	2.0"	68'	(6)#2 THWN	BORE
102	1	4.0"	69'	COMM. CABLE	BORE
103	1	2.0"	338'	(6)#2 THWN	TRENCH
104	1	4.0"	600'	COMM. CABLE	TRENCH
105	1	2.0"	423'	(6)#2 THWN	TRENCH

NOTES:

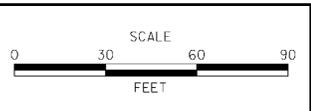
1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
3. ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
4. PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERD VIA ELECTRIC SERVICE(POLE 53117 & 52915).
5. PRIOR TO STRUCTURE ERECTION, CONTRACTOR SHALL INSTALL 1.5" FLEXIBLE METALLIC LIQUID TIGHT CONDUIT ALONG THE FULL LENGTH OF STRUVTURE ARM FOR DELDOT TRAFFIC USE. A 2.5" RISER SHALL ALSO BE INSTALLED ON THE STRUCTURE UP-R1
6. NO LIGHTING THIS SHEET.



GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
17	END TREATMENT ATTENUATOR, TYPE 2-31	588+75.12	127.16'	51.40'
18	GALVANIZED STEEL BEAM, TYPE 1-31	589+26.24	119.77'	72.00'
19	END TREATMENT ATTENUATOR, TYPE 2-31	589+97.44	116.43'	51.40'

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ADDENDUMS / REVISIONS	



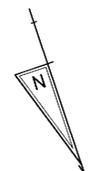
CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CBD
	CHECKED BY: DLH

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
106	1	4.0"	600'	COMM. CABLE	TRENCH
107	1	2.0"	433'	(6)*2 THWN	TRENCH
108	1	2.0"	429'	(6)*2 THWN	TRENCH
109	1	4.0"	600'	COMM. CABLE	TRENCH

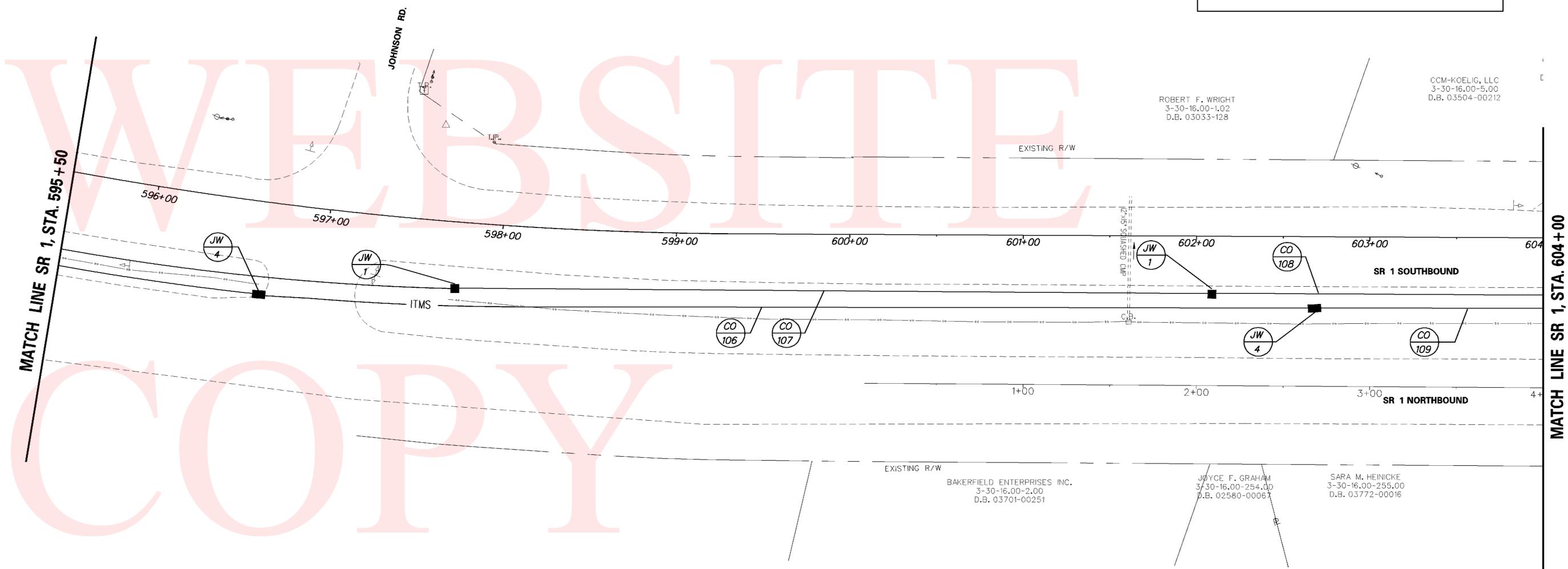
- NOTES:
1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  3. ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
  4. PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERED VIA ELECTRIC SERVICE (POLE 53117 & 52915).
  5. NO LIGHTING THIS SHEET.

### LIGHTING & ITMS LEGEND

- PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
- PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVTRONIX DETECTOR
- PROPOSED CCTV CAMERA



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<p><b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	<p>SCALE</p> <p>FEET</p>	<p><b>SR 1, SR 30</b> GRADE SEPARATED INTERSECTION</p>	CONTRACT T200812201	BRIDGE NO.	<p><b>LIGHTING, ITMS, &amp; UTILITY</b> RELOCATION PLAN</p>	SHEET NO. 119
				COUNTY SUSSEX	DESIGNED BY: CBD		TOTAL SHTS. 133
				CHECKED BY: DLH			

# LIGHTING & ITMS LEGEND

-  PROPOSED LUMINAIRE IDENTIFIER  
(\*OF LUMINAIRE)
-  PROPOSED CONDUIT RUN  
(\*OF CONDUIT RUN)
-  PROPOSED COBRAHEAD LUMINAIRE,  
SINGLE DAVIT ARM POLE
-  PROPOSED JUNCTION WELL  
TYPE OF JUNCTION WELL
-  PROPOSED 277/480V THREE PHASE  
LIGHTING CONTROL CABINET
-  PROPOSED LIGHTING OR ITMS CONDUIT
-  PROPOSED JUNCTION WELL
-  PROPOSED METERED SERVICE CABINET
-  PROPOSED WAVTRONIX DETECTOR
-  PROPOSED CCTV CAMERA

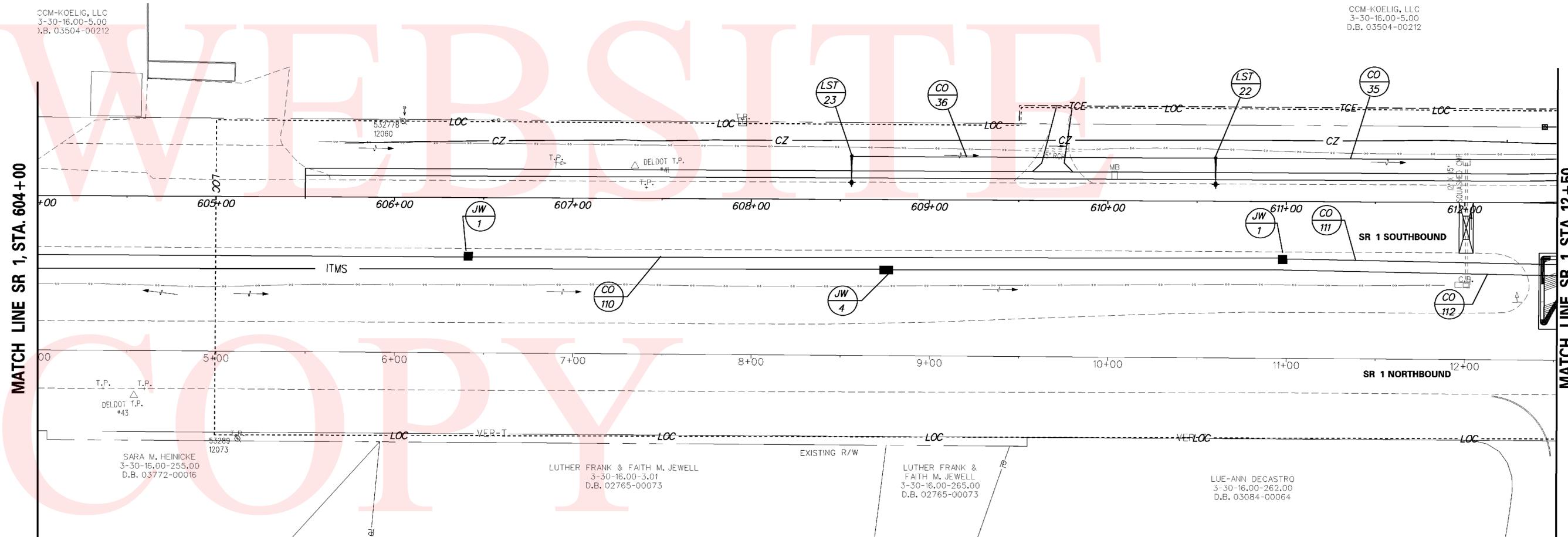
LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
22	A1	610+60.3	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
23	A3	608+56.4	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
110	1	2.0"	452'	(6)#2 THWN	TRENCH
111	1	2.0"	469'	(6)#2 THWN	TRENCH
112	1	4.0"	600'	COMM. CABLE	TRENCH

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
35	1	3.0"	209'	(3)#4 AWG (1)#6 GND	TRENCH
36	1	3.0"	204'	(2)#4 AWG (1)#6 GND	TRENCH

NOTES:

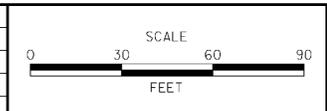
1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
3. ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
4. PROPOSED WAVTRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVTRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWER VIA ELECTRIC SERVICE(POLE 53117 & 52915).



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS	



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CBD
	CHECKED BY: DLH

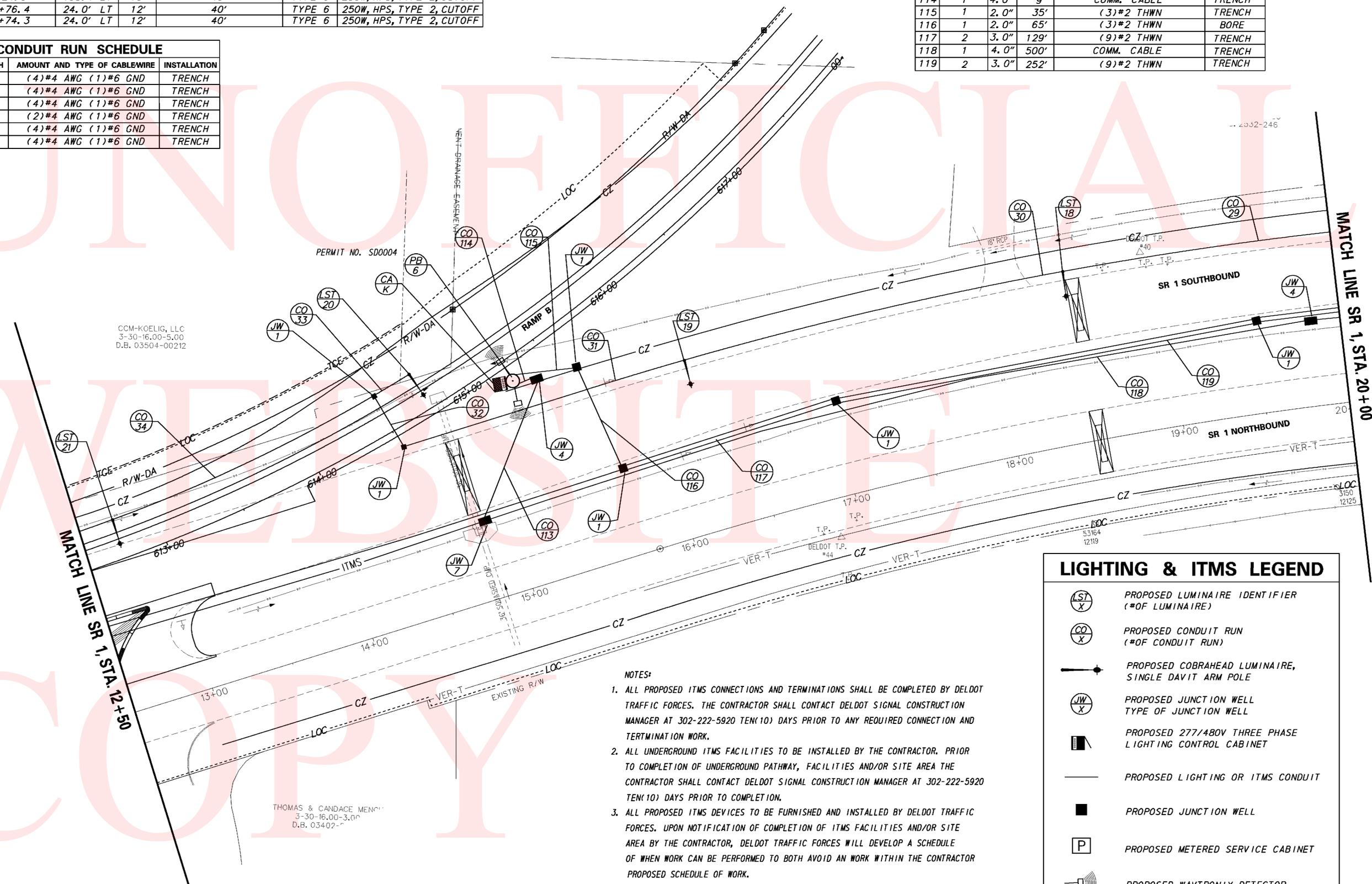
**LIGHTING, ITMS, & UTILITY RELOCATION PLAN**

SHEET NO.	120
TOTAL SHTS.	133

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
18	A5	18+45.8	102.4' LT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
19	A1	16+24.0	103.1 LT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
20	A3	614+76.4	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
21	A5	612+74.3	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
113	1	4.0"	87'	COMM. CABLE	BORE
114	1	4.0"	9'	COMM. CABLE	TRENCH
115	1	2.0"	35'	(3)*2 THWN	TRENCH
116	1	2.0"	65'	(3)*2 THWN	BORE
117	2	3.0"	129'	(9)*2 THWN	TRENCH
118	1	4.0"	500'	COMM. CABLE	TRENCH
119	2	3.0"	252'	(9)*2 THWN	TRENCH

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
29	1	3.0"	230'	(4)*4 AWG (1)*6 GND	TRENCH
30	1	3.0"	235'	(4)*4 AWG (1)*6 GND	TRENCH
31	1	3.0"	178'	(4)*4 AWG (1)*6 GND	TRENCH
32	1	3.0"	36'	(2)*4 AWG (1)*6 GND	TRENCH
33	1	3.0"	24'	(4)*4 AWG (1)*6 GND	TRENCH
34	1	3.0"	173'	(4)*4 AWG (1)*6 GND	TRENCH



LIGHTING & ITMS LEGEND	
	PROPOSED LUMINAIRE IDENTIFIER (*OF LUMINAIRE)
	PROPOSED CONDUIT RUN (*OF CONDUIT RUN)
	PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
	PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
	PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
	PROPOSED LIGHTING OR ITMS CONDUIT
	PROPOSED JUNCTION WELL
	PROPOSED METERED SERVICE CABINET
	PROPOSED WAVTRONIX DETECTOR
	PROPOSED CCTV CAMERA

- NOTES:**
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  - ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
  - PROPOSED WAVTRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVTRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERED VIA ELECTRIC SERVICE(POLE 53117 & 52915).

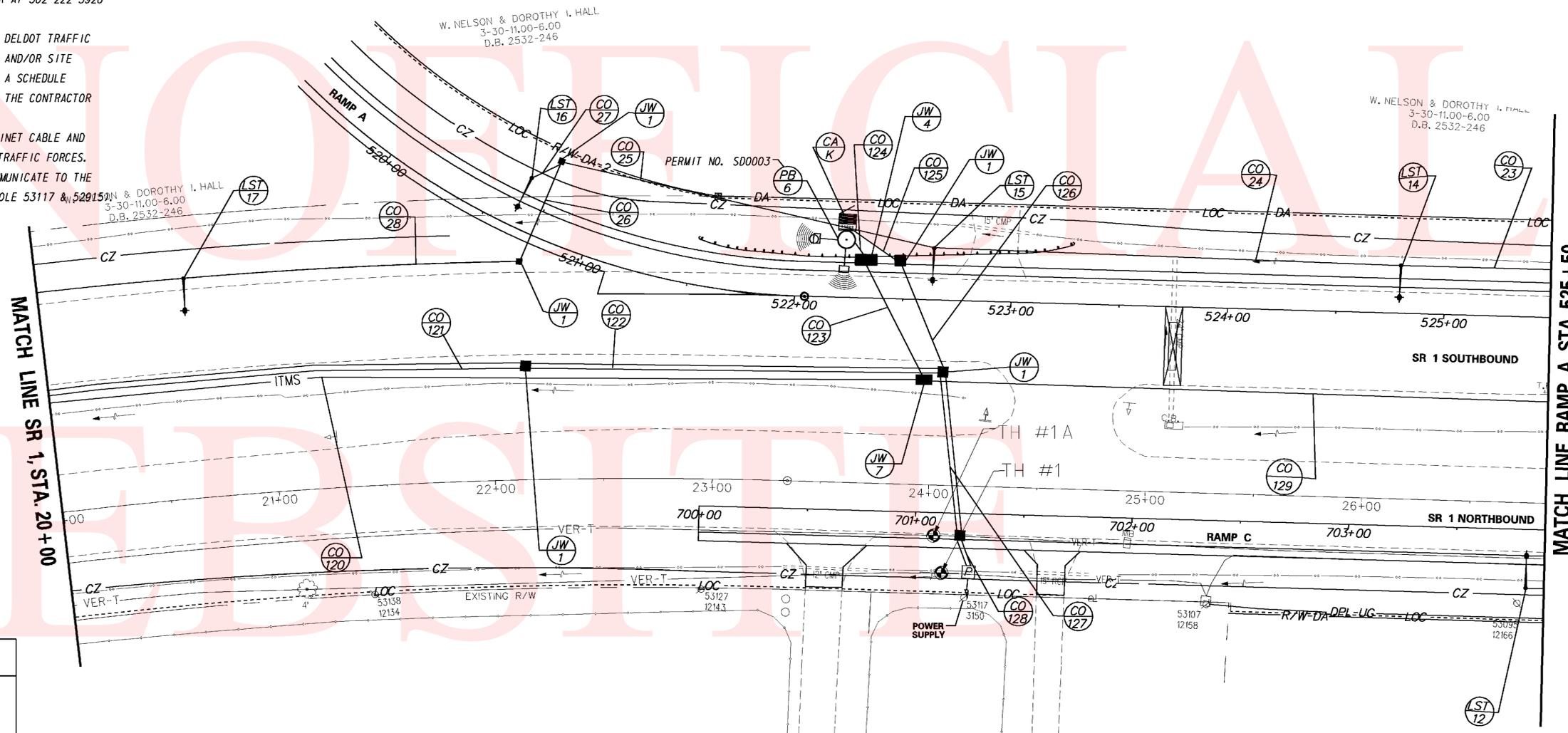
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<p><b>DELAWARE DEPARTMENT OF TRANSPORTATION</b></p>	ADDENDUMS / REVISIONS	<p><b>SR 1, SR 30 GRADE SEPARATED INTERSECTION</b></p>	CONTRACT T200812201	BRIDGE NO.	<p><b>LIGHTING, ITMS, &amp; UTILITY RELOCATION PLAN</b></p>	SHEET NO. 121
			COUNTY SUSSEX	DESIGNED BY: CBD		TOTAL SHTS. 133
			CHECKED BY: DLH			

NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
3. ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
4. PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERD VIA ELECTRIC SERVICE(POLE 53117 & 53115).

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
1	COMM.	24+07	40.3' RT	28.42	2.31	1"
1A	COMM.	24+02.8	23.2' RT	29.93	2.90	2"



**LIGHTING & ITMS LEGEND**

- PROPOSED LUMINAIRE IDENTIFIER (\*OF LUMINAIRE)
- PROPOSED CONDUIT RUN (\*OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING OR ITMS CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVTRONIX DETECTOR
- PROPOSED CCTV CAMERA

ITMS RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
120	1	4.0"	409'	COMM. CABLE	TRENCH
121	2	3.0"	265'	(6)#2 THWN	TRENCH
122	2	3.0"	188'	(6)#2 THWN	TRENCH
123	1	4.0"	58'	COMM. CABLE	BORE
124	1	4.0"	8'	COMM. CABLE	TRENCH
125	1	2.0"	23'	(3)#2 THWN	TRENCH
126	1	2.0"	51'	(3)#2 THWN	BORE
127	2	3.0"	72'	(1)8 #2 UFW, (9)#2 THWN	BORE
128	2	3.0"	25'	(1)8 #2 UFW, (9)#2 THWN	TRENCH
129	1	4.0"	595'	COMM. CABLE	TRENCH

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
23	1	3.0"	145'	(4)#4 AWG (1)#6 GND	TRENCH
24	1	3.0"	216'	(4)#4 AWG (1)#6 GND	TRENCH
25	1	3.0"	176'	(4)#4 AWG (1)#6 GND	TRENCH
26	1	3.0"	50'	(4)#4 AWG (1)#6 GND	TRENCH
27	1	3.0"	15'	(2)#4 AWG (1)#6 GND	TRENCH
28	1	3.0"	155'	(4)#4 AWG (1)#6 GND	TRENCH

\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
12	A5	703+82.6	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
14	A3	524+79.5	22.3' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
15	A5	522+63.9	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
16	A1	520+63.7	24.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
17	A3	20+64.7	101.3' LT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

ADDENDUMS / REVISIONS



**SR 1, SR 30  
GRADE SEPARATED  
INTERSECTION**

CONTRACT	BRIDGE NO.
T200812201	DESIGNED BY: CBD
COUNTY	CHECKED BY: DLH
SUSSEX	

**LIGHTING, ITMS, & UTILITY  
RELOCATION PLAN**

SHEET NO.	122
TOTAL SHTS.	133

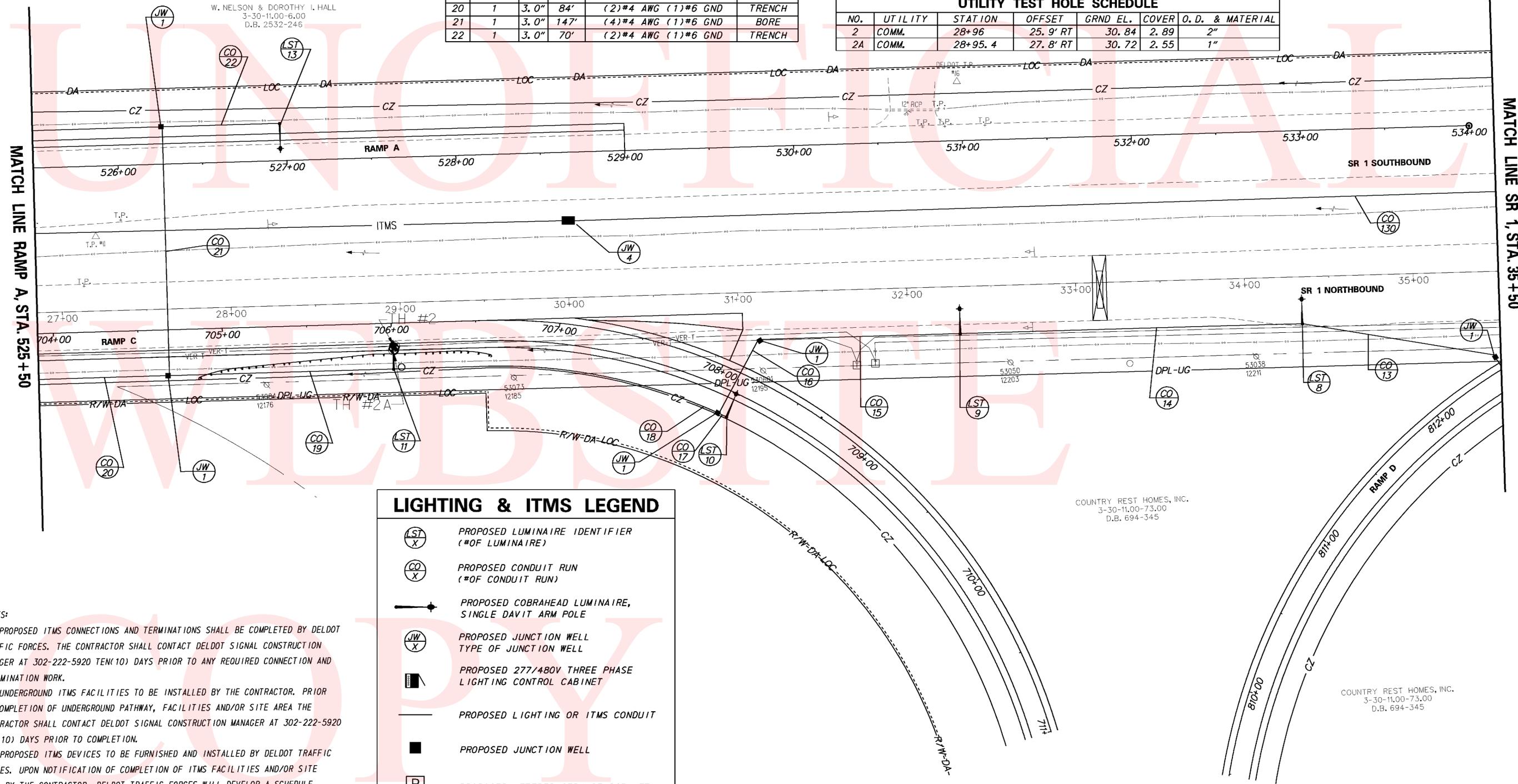
ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
130	1	4.0"	589'	COMM. CABLE	TRENCH

LIGHTING CONDUIT RUN SCHEDULE						
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION	
13	1	3.0"	115'	(4)*4 AWG (1)*6 GND	TRENCH	
14	1	3.0"	202'	(4)*4 AWG (1)*6 GND	TRENCH	
15	1	3.0"	120'	(4)*4 AWG (1)*6 GND	TRENCH	
16	1	3.0"	48'	(4)*4 AWG (1)*6 GND	TRENCH	
17	1	3.0"	5'	(2)*4 AWG (1)*6 GND	TRENCH	
18	1	3.0"	194'	(4)*4 AWG (1)*6 GND	TRENCH	
19	1	3.0"	132'	(4)*4 AWG (1)*6 GND	TRENCH	
20	1	3.0"	84'	(2)*4 AWG (1)*6 GND	TRENCH	
21	1	3.0"	147'	(4)*4 AWG (1)*6 GND	BORE	
22	1	3.0"	70'	(2)*4 AWG (1)*6 GND	TRENCH	

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
8	A3	34+33.8	27.7' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
9	A5	32+30.7	27.8' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
10	A1	708+15.1	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
11	A3	706+0.9	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
13	A1	526+96.3	22.0' LT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER O. D.	MATERIAL
2	COMM.	28+96	25.9' RT	30.84	2.89	2"
2A	COMM.	28+95.4	27.8' RT	30.72	2.55	1"

\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.



### LIGHTING & ITMS LEGEND

- PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
- PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING OR ITMS CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVETRONIX DETECTOR
- PROPOSED CCTV CAMERA

- NOTES:
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  - ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
  - PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERED VIA ELECTRIC SERVICE(POLE 53117 & 52915).

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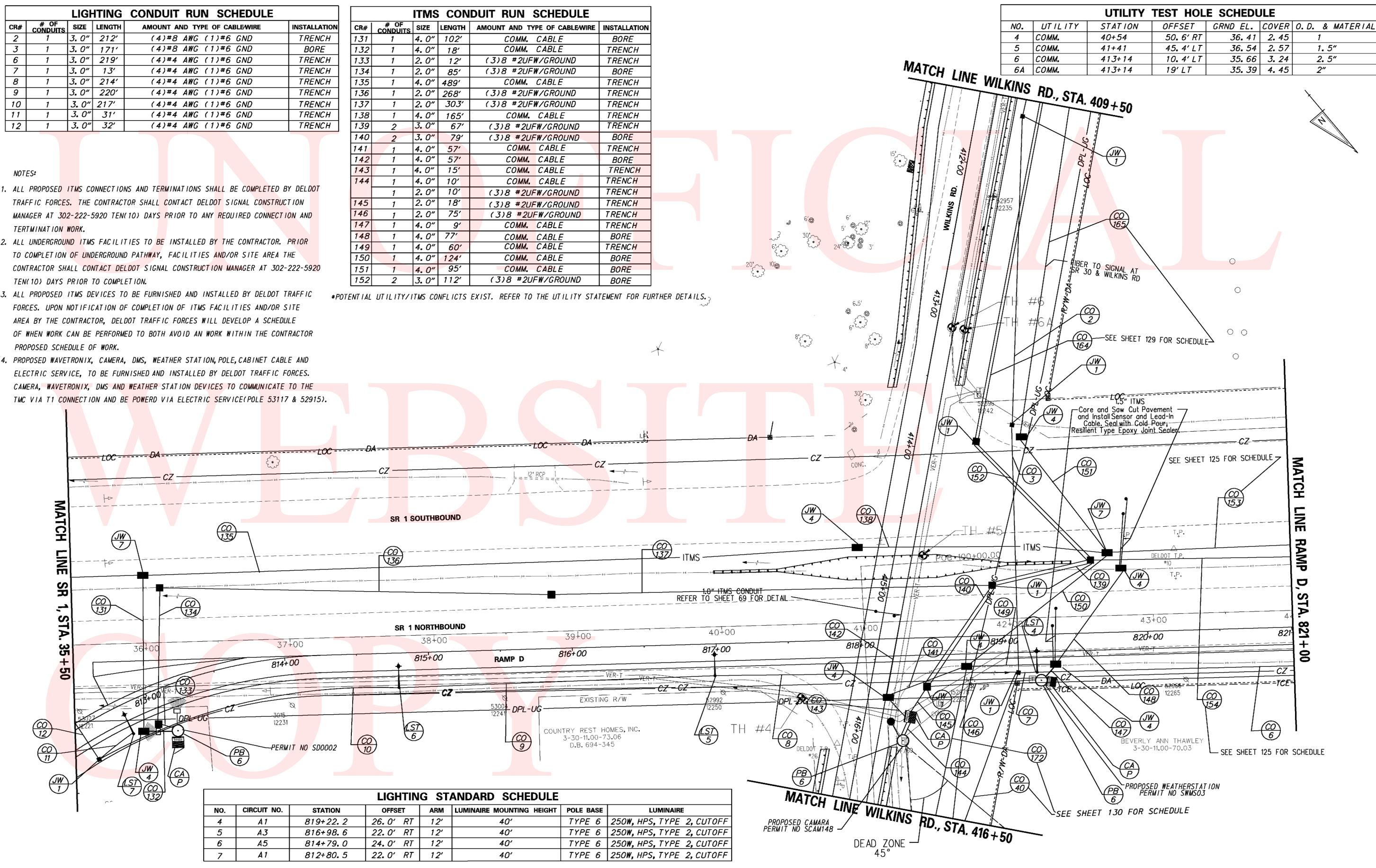
LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
2	1	3.0"	212'	(4)*8 AWG (1)*6 GND	TRENCH
3	1	3.0"	171'	(4)*8 AWG (1)*6 GND	BORE
6	1	3.0"	219'	(4)*4 AWG (1)*6 GND	TRENCH
7	1	3.0"	13'	(4)*4 AWG (1)*6 GND	TRENCH
8	1	3.0"	214'	(4)*4 AWG (1)*6 GND	TRENCH
9	1	3.0"	220'	(4)*4 AWG (1)*6 GND	TRENCH
10	1	3.0"	217'	(4)*4 AWG (1)*6 GND	TRENCH
11	1	3.0"	31'	(4)*4 AWG (1)*6 GND	TRENCH
12	1	3.0"	32'	(4)*4 AWG (1)*6 GND	TRENCH

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
131	1	4.0"	102'	COMM. CABLE	BORE
132	1	4.0"	18'	COMM. CABLE	TRENCH
133	1	2.0"	12'	(3)8 #2UFW/GROUND	TRENCH
134	1	2.0"	85'	(3)8 #2UFW/GROUND	BORE
135	1	4.0"	489'	COMM. CABLE	TRENCH
136	1	2.0"	268'	(3)8 #2UFW/GROUND	TRENCH
137	1	2.0"	303'	(3)8 #2UFW/GROUND	TRENCH
138	1	4.0"	165'	COMM. CABLE	TRENCH
139	2	3.0"	67'	(3)8 #2UFW/GROUND	TRENCH
140	2	3.0"	79'	(3)8 #2UFW/GROUND	BORE
141	1	4.0"	57'	COMM. CABLE	TRENCH
142	1	4.0"	57'	COMM. CABLE	BORE
143	1	4.0"	15'	COMM. CABLE	TRENCH
144	1	4.0"	10'	COMM. CABLE	TRENCH
	1	2.0"	10'	(3)8 #2UFW/GROUND	TRENCH
145	1	2.0"	18'	(3)8 #2UFW/GROUND	TRENCH
146	1	2.0"	75'	(3)8 #2UFW/GROUND	TRENCH
147	1	4.0"	9'	COMM. CABLE	TRENCH
148	1	4.0"	77'	COMM. CABLE	BORE
149	1	4.0"	60'	COMM. CABLE	TRENCH
150	1	4.0"	124'	COMM. CABLE	BORE
151	1	4.0"	95'	COMM. CABLE	BORE
152	2	3.0"	112'	(3)8 #2UFW/GROUND	BORE

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
4	COMM.	40+54	50.6' RT	36.41	2.45	1
5	COMM.	41+41	45.4' LT	36.54	2.57	1.5"
6	COMM.	413+14	10.4' LT	35.66	3.24	2.5"
6A	COMM.	413+14	19' LT	35.39	4.45	2"

- NOTES:
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  - ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
  - PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERED VIA ELECTRIC SERVICE(POLE 53117 & 52915).

\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.



LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
4	A1	819+22.2	26.0' RT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
5	A3	816+98.6	22.0' RT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
6	A5	814+79.0	24.0' RT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
7	A1	812+80.5	22.0' RT	12'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

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### LIGHTING & ITMS LEGEND

- PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
- PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING OR ITMS CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVTRONIX DETECTOR
- PROPOSED CCTV CAMERA

CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
153	1	4.0"	416'	COMM. CABLE	TRENCH
154	1	2.0"	294'	(3)*2 THWN	TRENCH
155	1	2.0"	242'	(3)*2 THWN	TRENCH
156	1	2.0"	56'	(3)*2 THWN	TRENCH
157	1	4.0"	575'	COMM. CABLE	TRENCH
158	1	2.0"	204'	(3)*2 THWN	TRENCH
159	1	2.0"	64'	(3)*2 THWN	BORE
160	1	2.0"	33'	(3)*2 THWN	TRENCH
161	1	4.0"	80'	COMM. CABLE	BORE
162	2	4.0"	10'	COMM. CABLE	TRENCH
163	1	4.0"	80'	COMM. CABLE	BORE

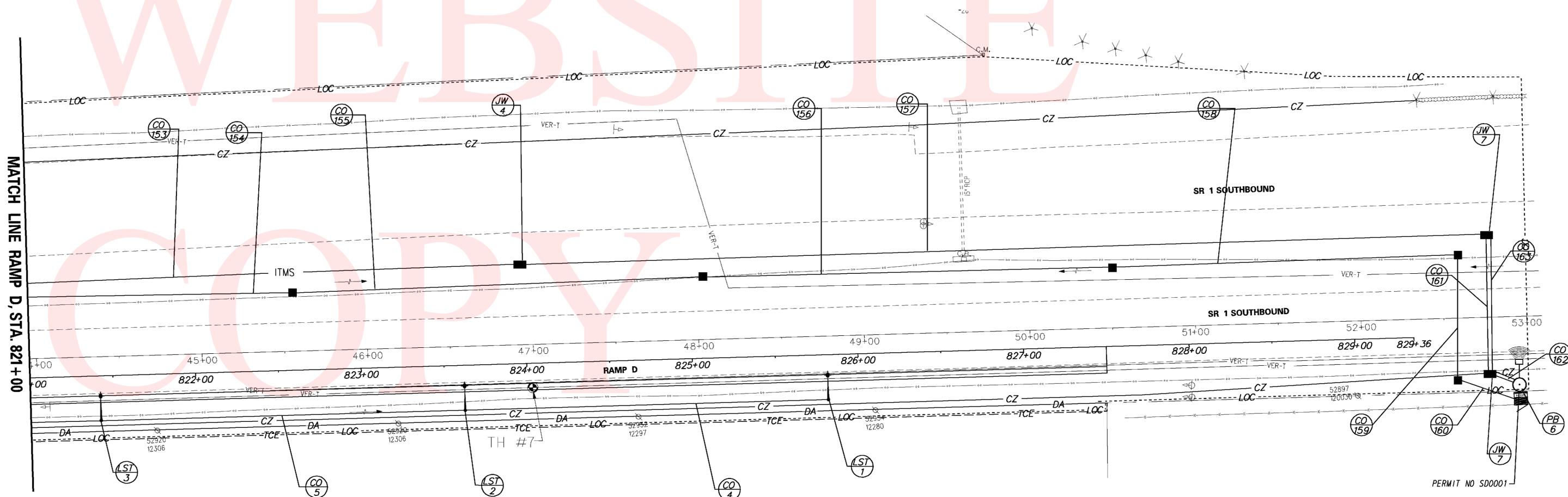
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
1	A1	825+81.7	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
2	A3	823+62.0	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF
3	A5	821+42.0	27.0' RT	15'	40'	TYPE 6	250W, HPS, TYPE 2, CUTOFF

CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
4	1	3.0"	219'	(2)*4 AWG (1)*6 GND	TRENCH
5	1	3.0"	220'	(3)*4 AWG (1)*6 GND	TRENCH

NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
7	COMM.	46+99	25.9' RT	31.95	2.25	1"

**NOTES:**

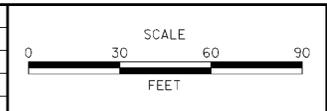
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  - ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
  - PROPOSED WAVETRONIX, CAMERA, DMS, WEATHER STATION, POLE, CABINET CABLE AND ELECTRIC SERVICE, TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. CAMERA, WAVETRONIX, DMS AND WEATHER STATION DEVICES TO COMMUNICATE TO THE TMC VIA T1 CONNECTION AND BE POWERD VIA ELECTRIC SERVICE(POLE 53117 & 52915).
- \*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.



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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CBD
	CHECKED BY: DLH

**LIGHTING, ITMS, & UTILITY RELOCATION PLAN**

SHEET NO.	125
TOTAL SHTS.	133

### LIGHTING & ITMS LEGEND

- PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
- PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING OR ITMS CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVTRONIX DETECTOR
- PROPOSED CCTV CAMERA

- NOTES:
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
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LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
35	A6	902+46.5	43.7' RT	10'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
36	A4	500+94.5	30.8' LT	10'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
37	A2	904+03	35.2' RT	10'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
55	1	3.0"	21'	(2)#8 AWG (1)#6 GND	TRENCH
56	1	3.0"	103'	(2)#8 AWG (1)#6 GND	BORE
57	1	3.0"	41'	(2)#8 AWG (1)#6 GND	TRENCH
58	1	3.0"	35'	(2)#8 AWG (1)#6 GND	TRENCH
59	1	3.0"	242'	(4)#8 AWG (1)#6 GND	TRENCH
60	1	3.0"	240'	(4)#8 AWG (1)#6 GND	TRENCH

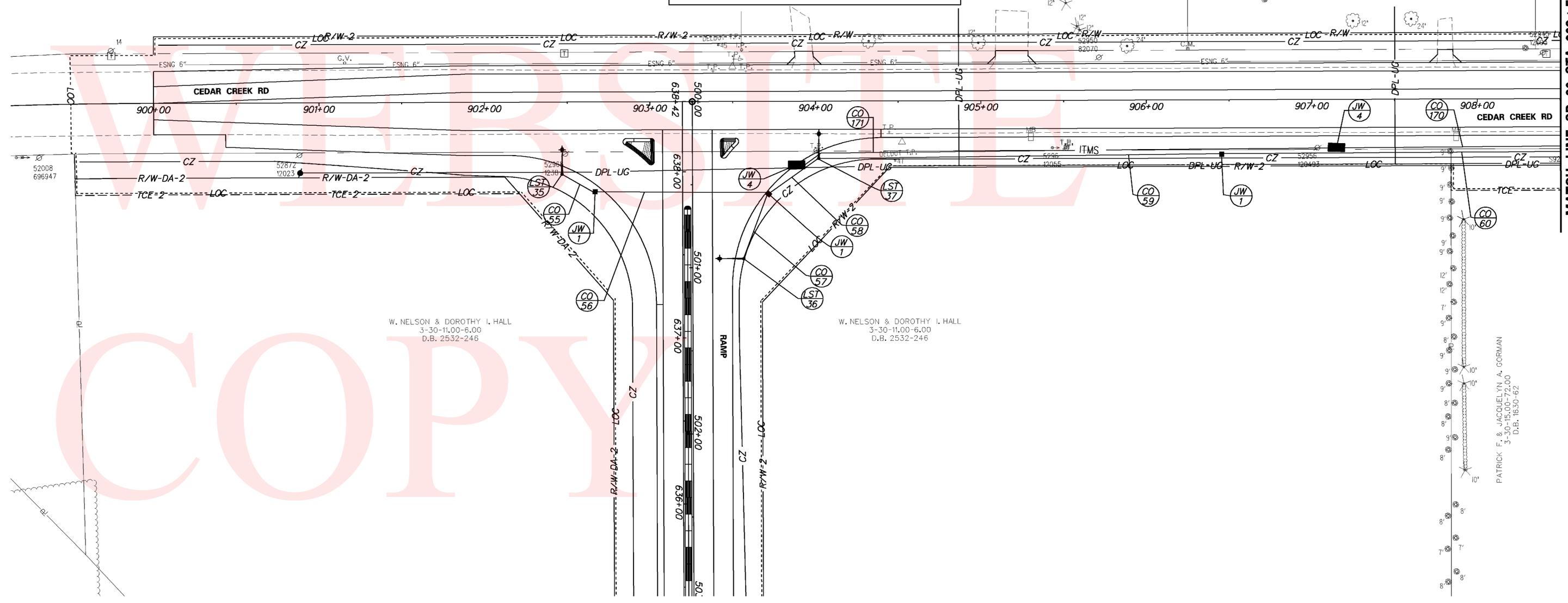
ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
170	1	4.0"	595'	EMPTY	TRENCH
171	1	4.0"	321'	EMPTY	TRENCH

\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.

KEY PROPERTIES GROUP, LLC  
3-30-15,00-58,00  
3251-314

KEY PROPERTIES GROUP, LLC  
3-30-15,00-58,01  
3483-108

KEY PROPERTIES GROUP, LLC  
3-30-15,00-58,04  
D.B. 3483-111



W. NELSON & DOROTHY I. HALL  
3-30-11,00-6,00  
D.B. 2532-246

W. NELSON & DOROTHY I. HALL  
3-30-11,00-6,00  
D.B. 2532-246

PATRICK F. & JACQUELYN A. GORMAN  
3-30-15,00-72,00  
D.B. 1630-62

MATCH LINE SR 30, STA. 908+50

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NOTES:

1. ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
2. ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
3. ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.

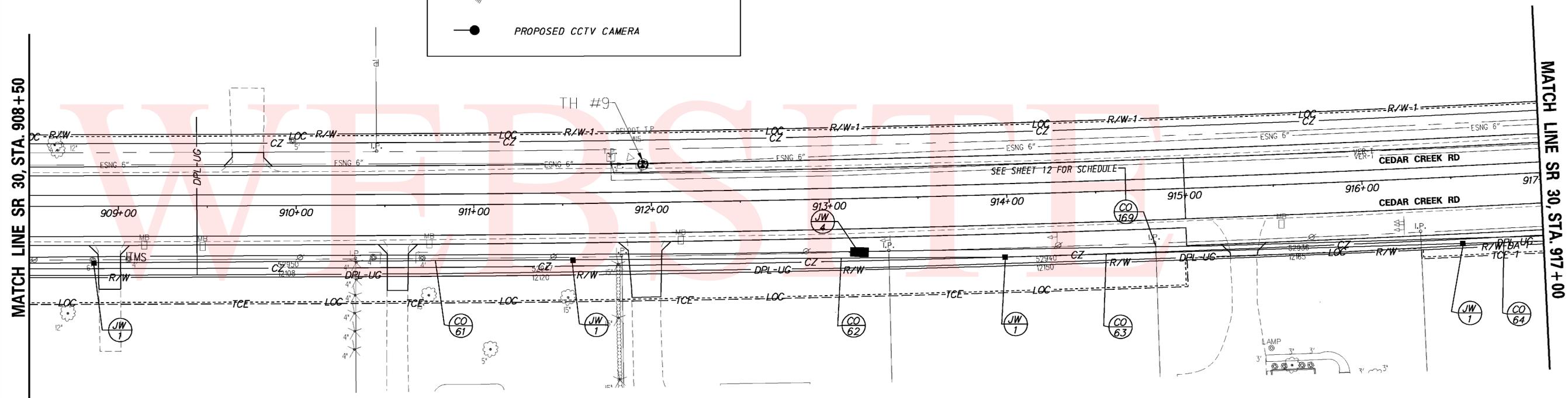
**LIGHTING & ITMS LEGEND**

-  PROPOSED LUMINAIRE IDENTIFIER (\*OF LUMINAIRE)
-  PROPOSED CONDUIT RUN (\*OF CONDUIT RUN)
-  PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
-  PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
-  PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
-  PROPOSED LIGHTING OR ITMS CONDUIT
-  PROPOSED JUNCTION WELL
-  PROPOSED METERED SERVICE CABINET
-  PROPOSED WAVTRONIX DETECTOR
-  PROPOSED CCTV CAMERA

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
61	1	3.0"	267'	(4)#8 AWG (1)#6 GND	TRENCH
62	1	3.0"	243'	(4)#8 AWG (1)#6 GND	TRENCH
63	1	3.0"	256'	(4)#8 AWG (1)#6 GND	TRENCH
64	1	3.0"	64'	(4)#8 AWG (1)#6 GND	TRENCH

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER O. D. & MATERIAL	
9	GAS	911+95.4	21.5' LT	35.45	4.98 6" STEEL	

\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.

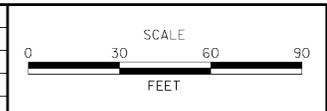


MATCH LINE SR 30, STA. 908+50

MATCH LINE SR 30, STA. 917+00



ADDENDUMS / REVISIONS	



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CBD
	CHECKED BY: DLH

**LIGHTING, ITMS, & UTILITY RELOCATION PLAN**

SHEET NO. 127
TOTAL SHTS. 133

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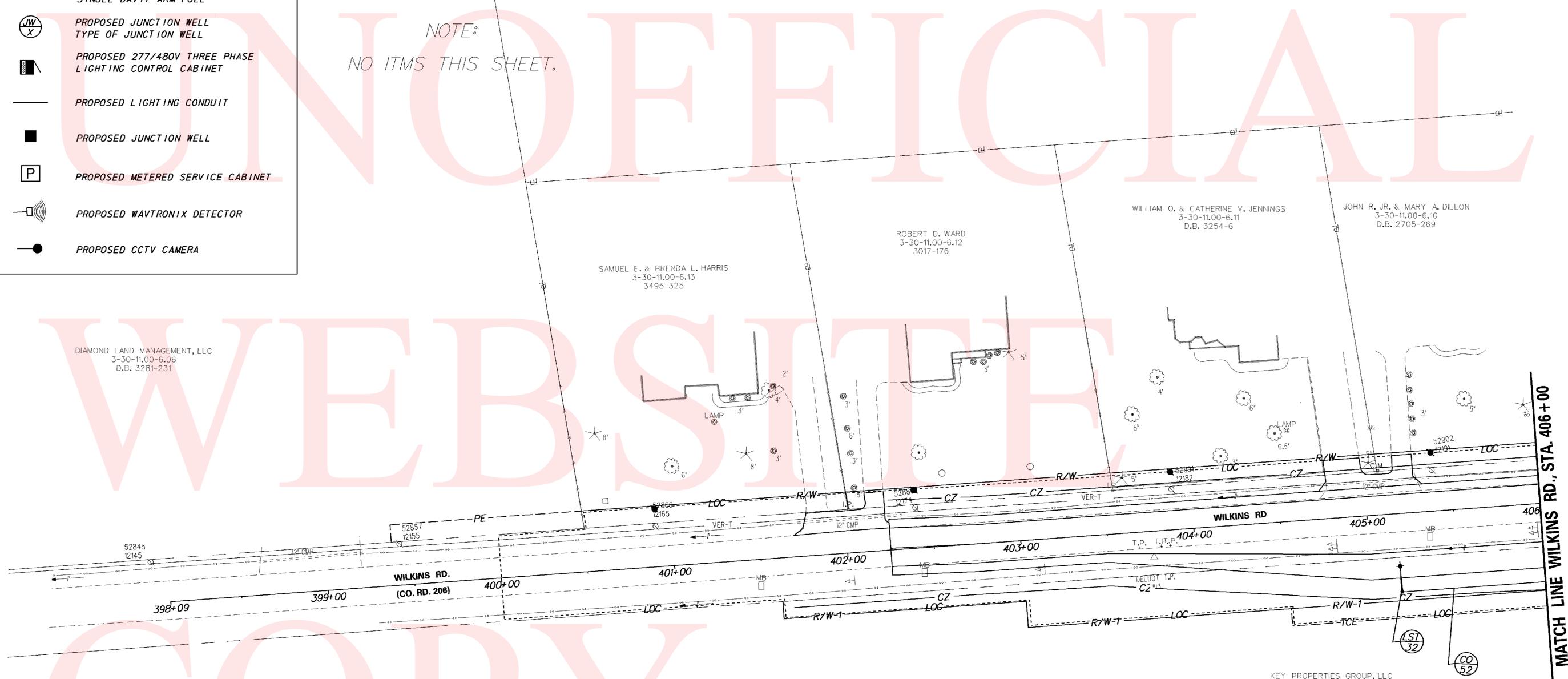
# LIGHTING & ITMS LEGEND

-  PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
-  PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
-  PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
-  PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
-  PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
-  PROPOSED LIGHTING CONDUIT
-  PROPOSED JUNCTION WELL
-  PROPOSED METERED SERVICE CABINET
-  PROPOSED WAVTRONIX DETECTOR
-  PROPOSED CCTV CAMERA

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
32	A2	405+17.1	44.9' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF

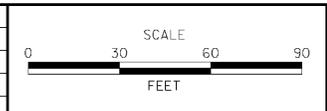
LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
52	1	3.0"	130'	(2)*8 AWG (1)*6 GND	TRENCH

NOTE:  
NO ITMS THIS SHEET.



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ADDENDUMS / REVISIONS	



**SR 1, SR 30 GRADE SEPARATED INTERSECTION**

CONTRACT T200812201	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: CBD
	CHECKED BY: DLH

**LIGHTING, ITMS, & UTILITY RELOCATION PLAN**

SHEET NO.	128
TOTAL SHTS.	133

KEY PROPERTIES GROUP, LLC  
3-30-15.00-58.00  
3251-314

LIGHTING STANDARD SCHEDULE							
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	POLE BASE	LUMINAIRE
26	A2	409+82.6	37.3' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
27	A4	408+62.0	57.1' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
28	A6	921+86.1	43.0' RT	15'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
29	A2	921+41.1	32.0' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
30	A4	919+92.7	46.2' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
31	A6	406+13.1	23.0' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
33	A4	406+70.2	67.6' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
34	A6	917+73.2	28.9' LT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
38	A2	917+20.6	38.6' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
39	A4	918+60.5	46.7' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
40	A6	408+09.8	50.4' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF
41	A2	409+40.7	42.0' RT	12'	30'	TYPE 6	150W, HPS, TYPE 3, CUTOFF

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O.D. & MATERIAL
12	COMM.	918+01	11.9' LT	35.91	3.06	2"
12A	COMM.	918+01	15' LT	35.73	2.75	1"
13	GAS	918+85	28.1' LT	34.46	6.20	6" STEEL
15	GAS	921+58	31.8' LT	32.51	3.62	6" STEEL
16	GAS	923+81	25.8' LT	29.75	5.52	6" STEEL
17	COMM.	409+96.7	12' LT	34.78	3.17	2.5"
17A	COMM.	409+97.4	16.8' LT	34.31	2.43	2"

### LIGHTING & ITMS LEGEND

- PROPOSED LUMINAIRE IDENTIFIER (#OF LUMINAIRE)
- PROPOSED CONDUIT RUN (#OF CONDUIT RUN)
- PROPOSED COBRAHEAD LUMINAIRE, SINGLE DAVIT ARM POLE
- PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
- PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
- PROPOSED LIGHTING OR ITMS CONDUIT
- PROPOSED JUNCTION WELL
- PROPOSED METERED SERVICE CABINET
- PROPOSED WAVTRONIX DETECTOR
- PROPOSED CCTV CAMERA

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
164	1	2.0"	503'	(3)8 #2 UFW/GROUND	TRENCH
165	1	4.0"	507'	COMM. CABLE	TRENCH
166	1	2.0"	191'	(3)8 #2 UFW/GROUND	BORE
167	1	2.0"	11'	(3)8 #2 UFW/GROUND	TRENCH
168	1	4.0"	150'	EMPTY	BORE
169	1	4.0"	590'	EMPTY	TRENCH

LIGHTING CONDUIT RUN SCHEDULE						
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION	
41	1	3.0"	160'	(4)#8 AWG (1)#6 GND	TRENCH	
42	1	3.0"	22'	(4)#8 AWG (1)#6 GND	TRENCH	
43	1	3.0"	121'	(4)#8 AWG (1)#6 GND	TRENCH	
44	1	3.0"	74'	(4)#8 AWG (1)#6 GND	TRENCH	
45	1	3.0"	72'	(2)#8 AWG (1)#6 GND	TRENCH	
46	1	3.0"	72'	(4)#8 AWG (1)#6 GND	BORE	
47	1	3.0"	27'	(2)#8 AWG (1)#6 GND	TRENCH	
48	1	3.0"	126'	(4)#8 AWG (1)#6 GND	TRENCH	
49	1	3.0"	91'	(4)#8 AWG (1)#6 GND	TRENCH	
50	1	3.0"	31'	(2)#8 AWG (1)#6 GND	TRENCH	
51	1	3.0"	72'	(4)#8 AWG (1)#6 GND	BORE	
53	1	3.0"	31'	(3)#8 AWG (1)#6 GND	TRENCH	
54	1	3.0"	101'	(2)#8 AWG (1)#6 GND	TRENCH	
65	1	3.0"	140'	(4)#8 AWG (1)#6 GND	TRENCH	
66	1	3.0"	82'	(4)#8 AWG (1)#6 GND	TRENCH	
67	1	3.0"	139'	(4)#8 AWG (1)#6 GND	TRENCH	
68	1	3.0"	54'	(4)#8 AWG (1)#6 GND	TRENCH	
69	1	3.0"	82'	(4)#8 AWG (1)#6 GND	BORE	

- NOTES:
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
  - ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
  - ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.

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\*POTENTIAL UTILITY/ITMS CONFLICTS EXIST. REFER TO THE UTILITY STATEMENT FOR FURTHER DETAILS.

LIGHTING CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
1	1	2.5"	56'	(4)*4/0 URD ALUMINIUM, #2 GND	TRENCH
1A	1	2.5"	22'	(4)*4/0 URD ALUMINIUM, #2 GND	TRENCH
1B	4	4.0"	7'	(4)*4 AWG, (4)*8 AWG, (1)*6 GND	TRENCH
37	1	3.0"	66'	(2)*8 AWG (1)*6 GND	BORE
38	1	3.0"	107'	(2)*8 AWG (1)*6 GND	TRENCH
39	1	3.0"	273'	(3)*8 AWG (1)*6 GND	TRENCH
40	1	3.0"	307'	(4)*4 AWG, (4)*8 AWG, (1)*6 GND	TRENCH

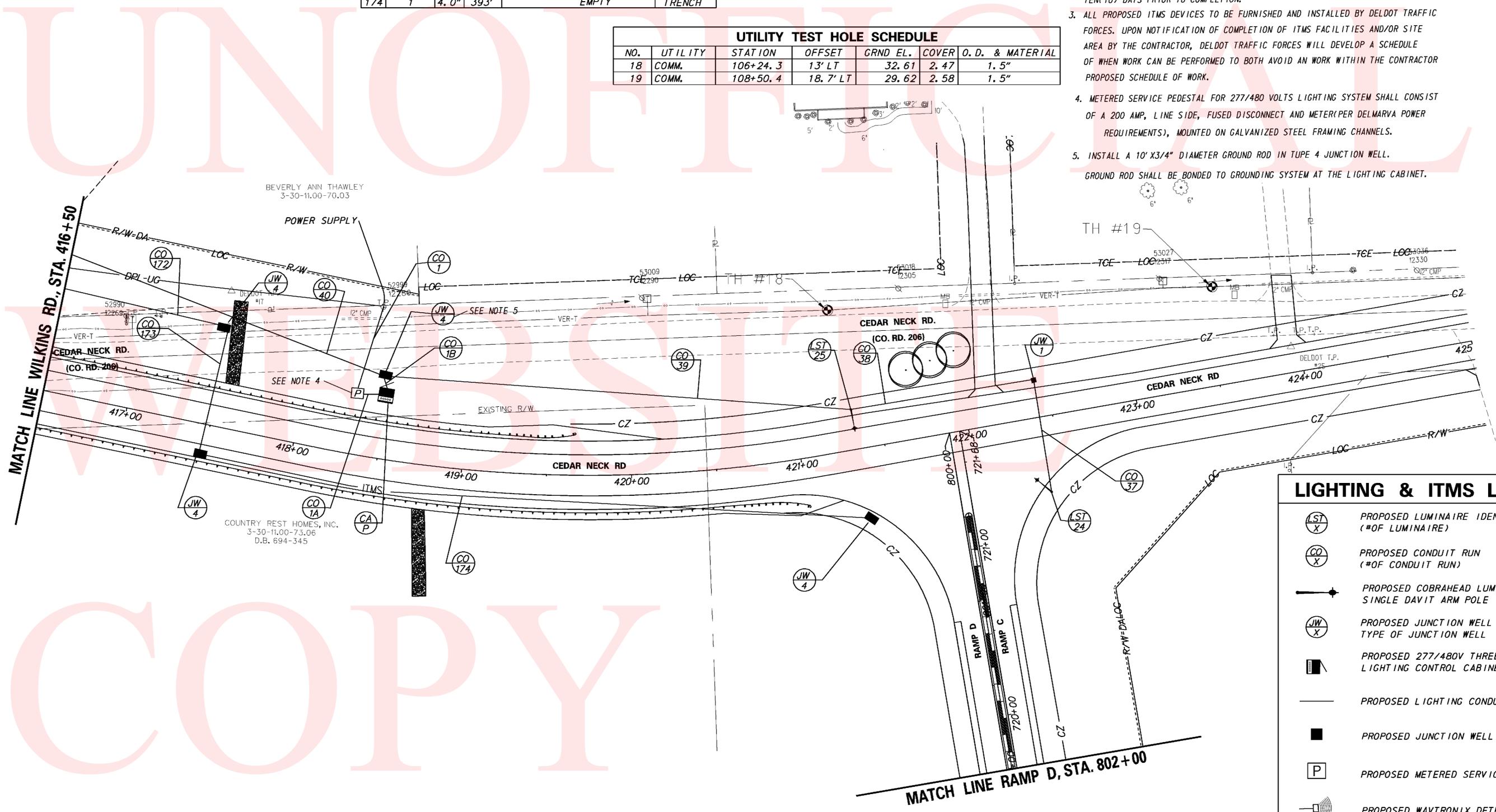
LIGHTING STANDARD SCHEDULE						
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LUMINAIRE MOUNTING HEIGHT	LUMINAIRE
24	A1	422+41.7	44.3' RT	12'	30'	TYPE 6 150W, HPS, TYPE 3, CUTOFF
25	A5	421+34.0	23.5' LT	12'	30'	TYPE 6 150W, HPS, TYPE 3, CUTOFF

ITMS CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
172	1	4.0"	200'	EMPTY	TRENCH
173	1	4.0"	74'	EMPTY	BORE
174	1	4.0"	393'	EMPTY	TRENCH

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
18	COMM.	106+24.3	13' LT	32.61	2.47	1.5"
19	COMM.	108+50.4	18.7' LT	29.62	2.58	1.5"

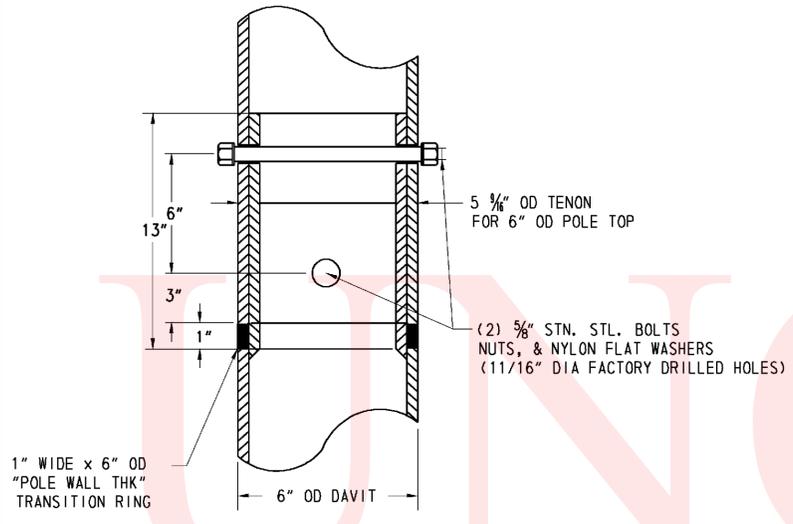
NOTES:

- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERTINATION WORK.
- ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA THE CONTRACTOR SHALL CONTACT DELDOT SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN(10) DAYS PRIOR TO COMPLETION.
- ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AN WORK WITHIN THE CONTRACTOR PROPOSED SCHEDULE OF WORK.
- METERED SERVICE PEDESTAL FOR 277/480 VOLTS LIGHTING SYSTEM SHALL CONSIST OF A 200 AMP, LINE SIDE, FUSED DISCONNECT AND METER (PER DELMARVA POWER REQUIREMENTS), MOUNTED ON GALVANIZED STEEL FRAMING CHANNELS.
- INSTALL A 10' X 3/4" DIAMETER GROUND ROD IN TUPE 4 JUNCTION WELL. GROUND ROD SHALL BE BONDED TO GROUNDING SYSTEM AT THE LIGHTING CABINET.

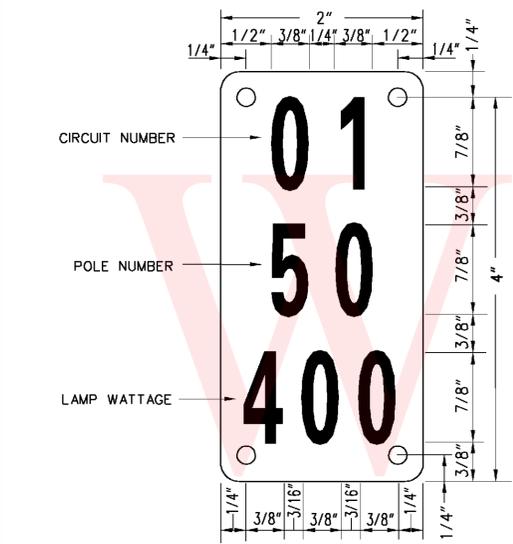


LIGHTING & ITMS LEGEND	
	PROPOSED LUMINAIRE IDENTIFIER (*OF LUMINAIRE)
	PROPOSED CONDUIT RUN (*OF CONDUIT RUN)
	PROPOSED JUNCTION WELL TYPE OF JUNCTION WELL
	PROPOSED 277/480V THREE PHASE LIGHTING CONTROL CABINET
	PROPOSED LIGHTING CONDUIT
	PROPOSED JUNCTION WELL
	PROPOSED METERED SERVICE CABINET
	PROPOSED WAVTRONIX DETECTOR
	PROPOSED CCTV CAMERA

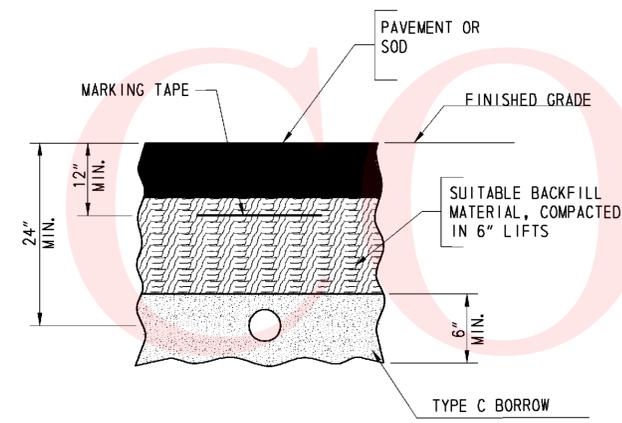
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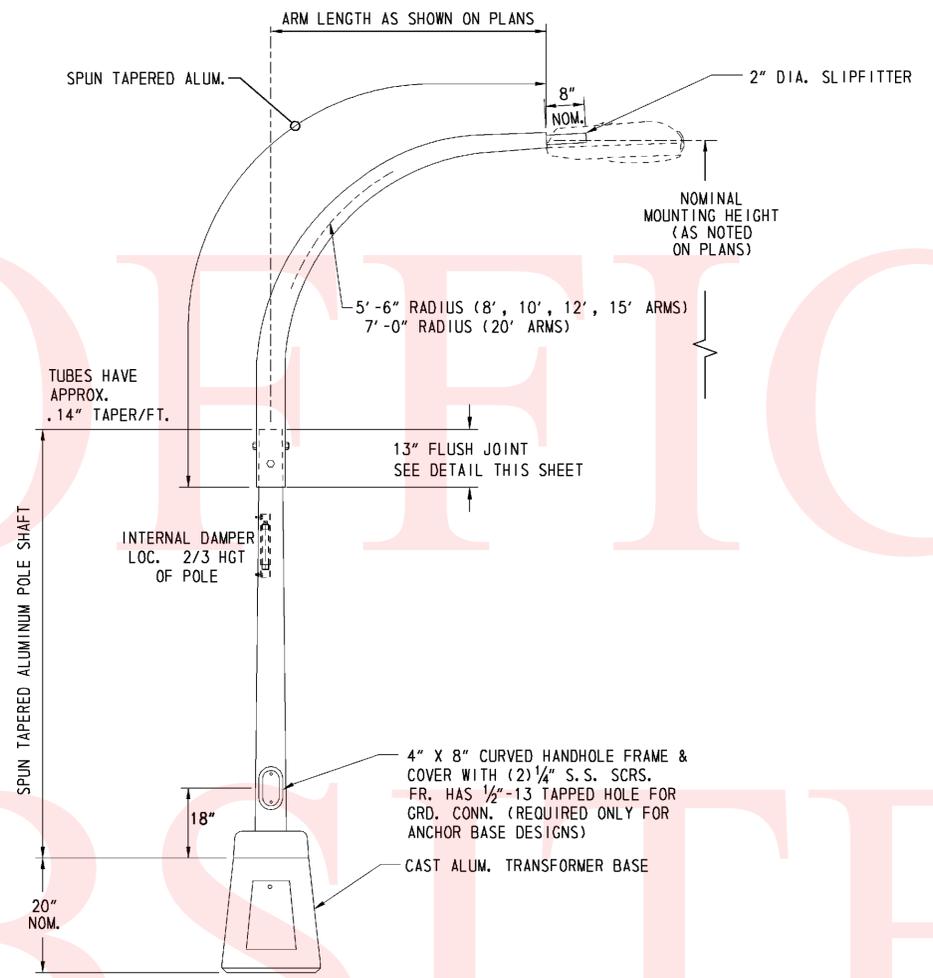
FLUSH JOINT DETAIL



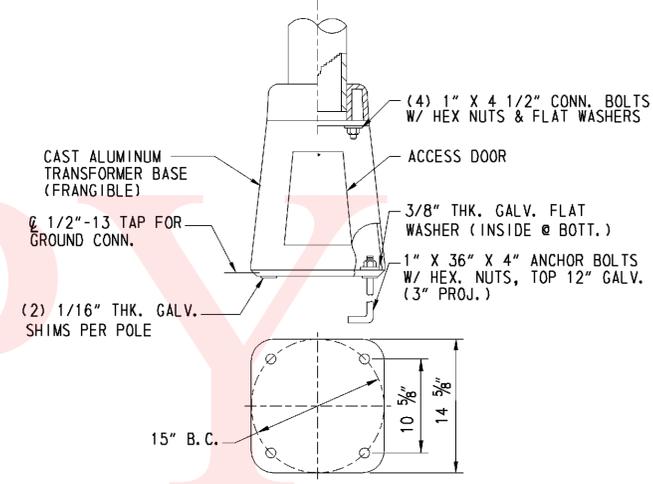
TYPICAL POLE I.D. TAG



BURIED CONDUIT DETAIL



DAVIT ARM LIGHT POLE DETAIL

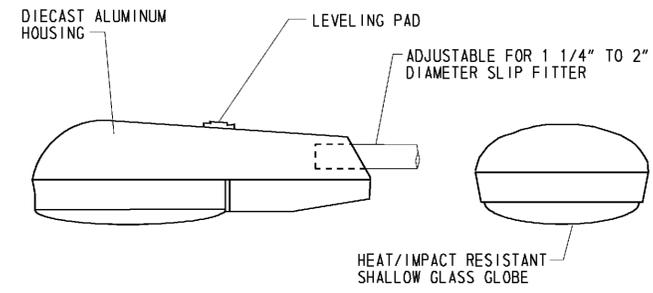


TRANSFORMER BASE DETAIL

NOTES: 1. TRANSFORMER BASE SHALL BE PROVIDED WITH ALL LIGHT POLES, WHETHER PROTECTED OR UNPROTECTED, UNLESS OTHERWISE NOTED.  
2. REFER TO NOTES FOR THE ANCHOR BASE DETAIL FOR CONDITIONS WHERE AN ANCHOR BASE IS REQUIRED.

GENERAL NOTES: ( LIGHTING )

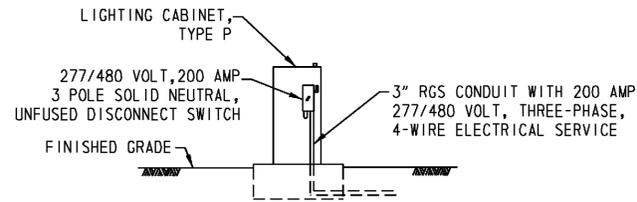
- ALL ELECTRICAL WORK SHALL BE PERFORMED AND ALL MATERIAL PROVIDED SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, TO ALL LOCAL AND SPECIAL LAWS, AND/OR TO ORDINANCES GOVERNING SUCH MATERIAL. CODE SHALL BE CONSIDERED THE MINIMUM REQUIREMENTS FOR THE ELECTRICAL WORK AND IF THERE IS A CONFLICT BETWEEN THE REQUIREMENTS SPECIFIED IN THE CONTRACT DOCUMENTS AND THE CODE, THE MORE STRINGENT REQUIREMENT WILL APPLY AS DETERMINED AND APPROVED BY THE ENGINEER. WHEN THESE REQUIREMENTS DO NOT GOVERN, AND WHERE NOT OTHERWISE SPECIFIED, ELECTRICAL MATERIALS SHALL CONFORM TO THE STANDARDIZATION RULES OF THE INSTITUTE OF ELECTRICAL ENGINEERS.
- THE CONTRACTOR SHALL PROVIDE AND SECURE ALL ELECTRICAL INSPECTIONS AS REQUIRED AND PAY FOR THE SAME. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY PERMITS AND CERTIFICATES AS REQUIRED.
- BURIED ELECTRICAL CABLE AND CONDUIT, AND OTHER UTILITIES MAY EXIST THROUGHOUT THIS PROJECT. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR UTILITY MARKOUTS. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING DAMAGE TO THEM, AND MAINTAINING THEM IN SERVICE WHEN AND WHERE REQUIRED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS PRIOR TO COMMENCING WORK. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT MAY OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY PRIOR TO COMMENCING CONSTRUCTION IN THAT AREA.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK MATERIAL AND LABOR TO BE FREE FROM DEFECTS FOR A ONE YEAR PERIOD FROM THE TIME OF OWNER ACCEPTANCE. ANY DEFECTS OCCURRING DURING THIS PERIOD SHALL BE CORRECTED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONDUIT RUNS ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL LOCATE THE CONDUIT RUNS IN A MANNER THAT AVOIDS CONFLICTS WITH ALL EXISTING AND PROPOSED FEATURES AS FIELD CONDITIONS DICTATE AND AS APPROVED BY THE ENGINEER.
- ALL GALVANIZED CONDUITS(GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET, SCREW, BOLTED AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
- TERMINATE ALL GALVANIZED CONDUITS WHEN ENTERING ENCLOSURES WITH LOCKNUT AND BONDING BUSHINGS. ALL OTHER GALVANIZED CONDUITS SHALL BE PROVIDED WITH BONDING BUSHINGS. ALL GALVANIZED CONDUITS SHALL BE BONDED WITH GROUND WIRE.
- COLOR CODING SHALL BE PROVIDED THROUGHOUT THE ENTIRE NETWORK FOR SERVICE, FEEDER, BRANCH AND CONTROL CONDUCTORS. EACH PHASE SHALL BE AN INDEPENDENT COLOR. CONDUCTORS SHALL HAVE FACTORY IMPREGNATED COLOR THROUGHOUT THEIR ENTIRE LENGTH. PHASE TAPING IS NOT PERMITTED.
- THE CONTRACTOR SHALL NOTIFY DELMARVA POWER TWO WEEKS IN ADVANCE TO ARRANGE FINAL POWER CONNECTIONS.
- ALL FUSED CONNECTIONS SHALL BE MADE IN THE POLE BASE. SPLICES IN JUNCTION WELLS SHALL NOT BE FUSED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO WORK. WORK INCLUDES FURNISHING LABOR, MATERIAL, EQUIPMENT AND SERVICE NECESSARY AND INCIDENTAL TO PROPER COMPLETION OF THE ELECTRICAL WORK AS SHOWN. MINOR ITEMS, ACCESSORIES OR DEVICES NECESSARY FOR COMPLETION AND PROPER OPERATION OF ANY SYSTEM SHALL BE PROVIDED WHETHER OR NOT THEY ARE SPECIFICALLY CALLED FOR BY SPECIFICATIONS OR DRAWINGS.
- ALL CONDUITS, JUNCTION WELLS, LIGHTING STANDARDS, ETC. SHALL BE STAKED OUT AND EVERY LOCATION APPROVED BY THE ENGINEER BEFORE ANY WORK IS DONE.
- ALL STATION AND OFFSET INFORMATION SHOWN ON THE PLANS FOR PROPOSED LIGHTING STANDARDS IS TO THE CENTER OF THE POLE BASE.
- SPLICES FOR ALL ROADWAY LIGHTING ELECTRICAL CABLES SHALL BE COMPLETED USING APPROVED SPLICE KITS OR METHODS APPROVED BY THE ENGINEER AND SHALL BE INCIDENTAL TO THE SUPPLY AND INSTALLATION OF VARIOUS ROADWAY LIGHTING ELECTRICAL CABLES.
- ALL PROPOSED DAVIT ARM LIGHTING STANDARDS SHALL BE PROVIDED AND INSTALLED WITH BREAKAWAY TRANSFORMER BASES.
- ALL LIGHT POLE FOUNDATIONS SHALL BE DELDOT STANDARD POLE BASE TYPE 6 (STD. NO. T-5).
- UNDERGROUND CONDUIT SHALL BE SLOPED TO DRAIN TO NEAREST JUNCTION WELL. IF THIS CANNOT BE ACCOMPLISHED, PROVIDE A DRAINAGE TEE AT LOW POINT OF CONDUIT RUN. DRAINAGE TEES SHALL BE INCIDENTAL TO SUPPLY OF CONDUIT.
- RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR ELECTRICAL SERVICE. SCHEDULE 80 PVC CONDUIT SHALL BE USED IN TRENCHES. SDR-13.5 HOPE CONDUIT SHALL BE USED FOR BORES.



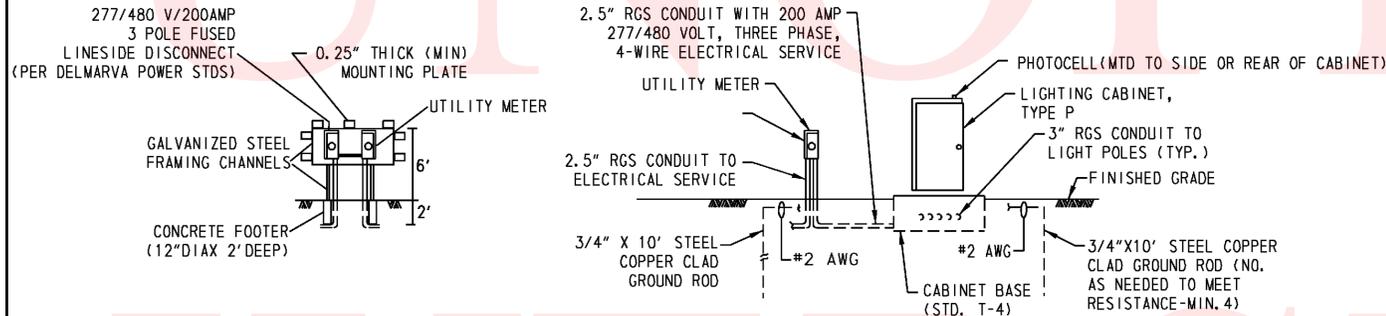
COBRAHEAD LUMINAIRE DETAIL

- COBRAHEAD LUMINAIRE NOTES:
- COBRAHEAD STYLE ROADWAY LUMINAIRES SHALL BE HIGH PRESSURE SODIUM WITH CUTOFF OPTICS.
  - HORIZONTAL DISTRIBUTION TYPE AND WATTAGE SHALL BE AS SPECIFIED ON PLANS.
  - ALL LUMINAIRES SHALL BE MOUNTED AT A ZERO DEGREE TILT ANGLE.
  - PHOTOCONTROL SHALL BE LOCATED AT THE LIGHTING CONTROL CENTER ENCLOSURE, UNLESS OTHERWISE NOTED.

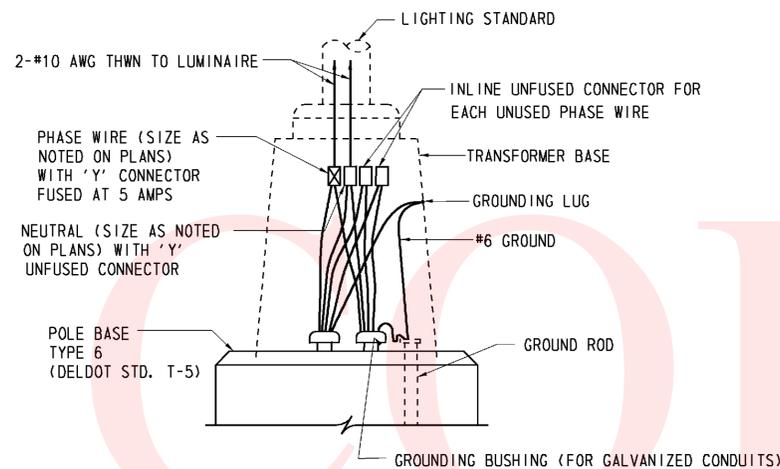
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LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE (REAR VIEW)



ELECTRICAL SERVICE ON PEDESTAL AND LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE (FRONT VIEW)

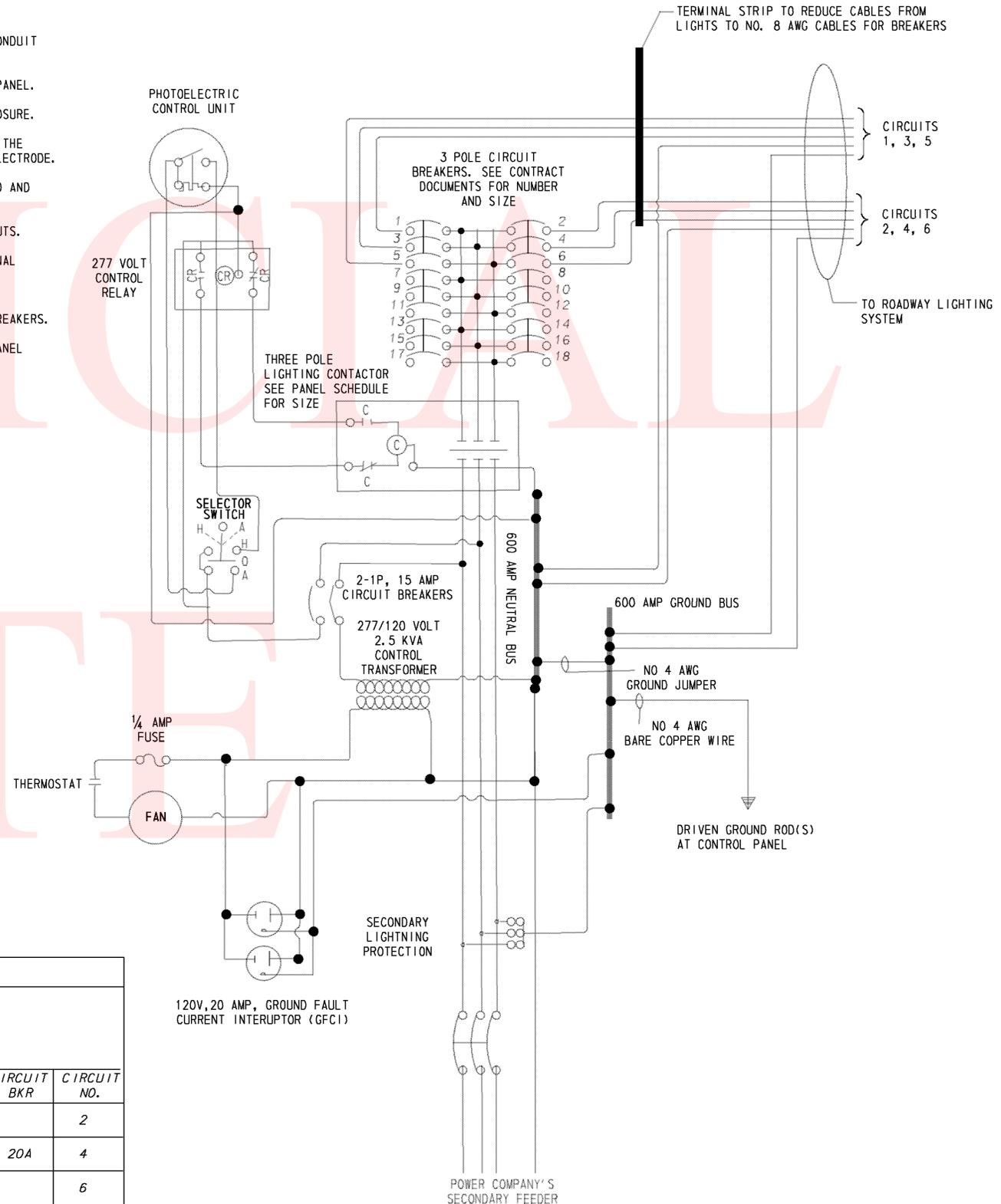


TYPICAL LUMINAIRE CONNECTION  
277/480V

NOTES:

1. ALL WIRING #2 OR LARGER SHALL BE INSTALLED IN FLEXIBLE CONDUIT FOR SERVICE FEEDS.
2. NO CONDUCTORS MAY ENTER OR EXIT THROUGH THE REAR OF ANY PANEL.
3. THE LIGHTING CONTACTOR SHALL BE IN A PROPERLY SIZED ENCLOSURE.
4. A CONTINUOUS GROUNDING CONDUCTOR SHALL BE INSTALLED FROM THE METER SOCKET THROUGH ALL PANELS, THEN TO THE GROUNDING ELECTRODE.
5. ALL CONDUCTORS NOT IN CONDUIT SHALL BE BUNDLED OR WRAPPED AND SECURED IN CABINET AWAY FROM SHARP EDGES.
6. BONDING BUSHINGS SHALL BE USED FOR ALL CONCENTRIC KNOCKOUTS.
7. ALL CABLES SHALL MEET AMPACITY REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. THE MINIMUM CABLE SIZE WITHIN THE CONTROL CENTER SHALL BE NO. 12 AWG.
8. REFER TO PANEL SCHEDULE FOR NUMBER AND SIZE OF CIRCUIT BREAKERS.
9. WIRING DIAGRAM SHOWN IS FOR A TYPICAL ARRANGEMENT. SEE PANEL SCHEDULE FOR CIRCUIT DETAILS.

LIGHTING PANEL SCHEDULE										
TYPE: 3P, 4W		VOLTAGE 277/480								
NUMBER OF POLES: 18(MIN)		ENCLOSURE: TYPE P, NEMA 3R								
GROUND BUS RATING: 100%		PANEL MIN. A. I. C. RATING: 10KA								
MAIN BUS RATING: 200 AMP		LOCATION: CEDAR NECK RD, EAST OF SR 1								
MAIN RATING: 100 AMP, 3P MCB										
CIRCUIT NO.	CIRCUIT BKR	DESCRIPTION	LOAD/PHASE			DESCRIPTION	CIRCUIT BKR	CIRCUIT NO.		
			LOAD	L1	L2				L3	LOAD
1		LST 1, 4, 7, 10, 13, 16, 19, 22, 24	2685	4819			1134	LST 26, 29, 32, 37, 38, 41		2
3	20A	LST 2, 5, 8, 11, 14, 17, 20, 23	2496		3441		945	LST 27, 30, 33, 36, 39	20A	4
5		LST 3, 6, 9, 12, 15, 18, 21, 25	2373			3318	945	LST 28, 31, 34, 35, 40		6
TOTALS			4819	3441	3318					
TOTAL CONNECTED VA LOAD			11,548							



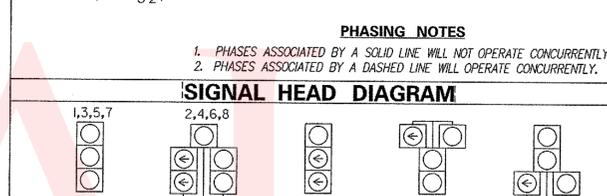
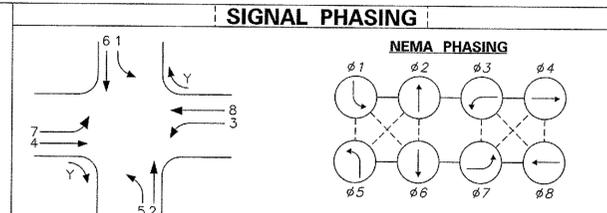
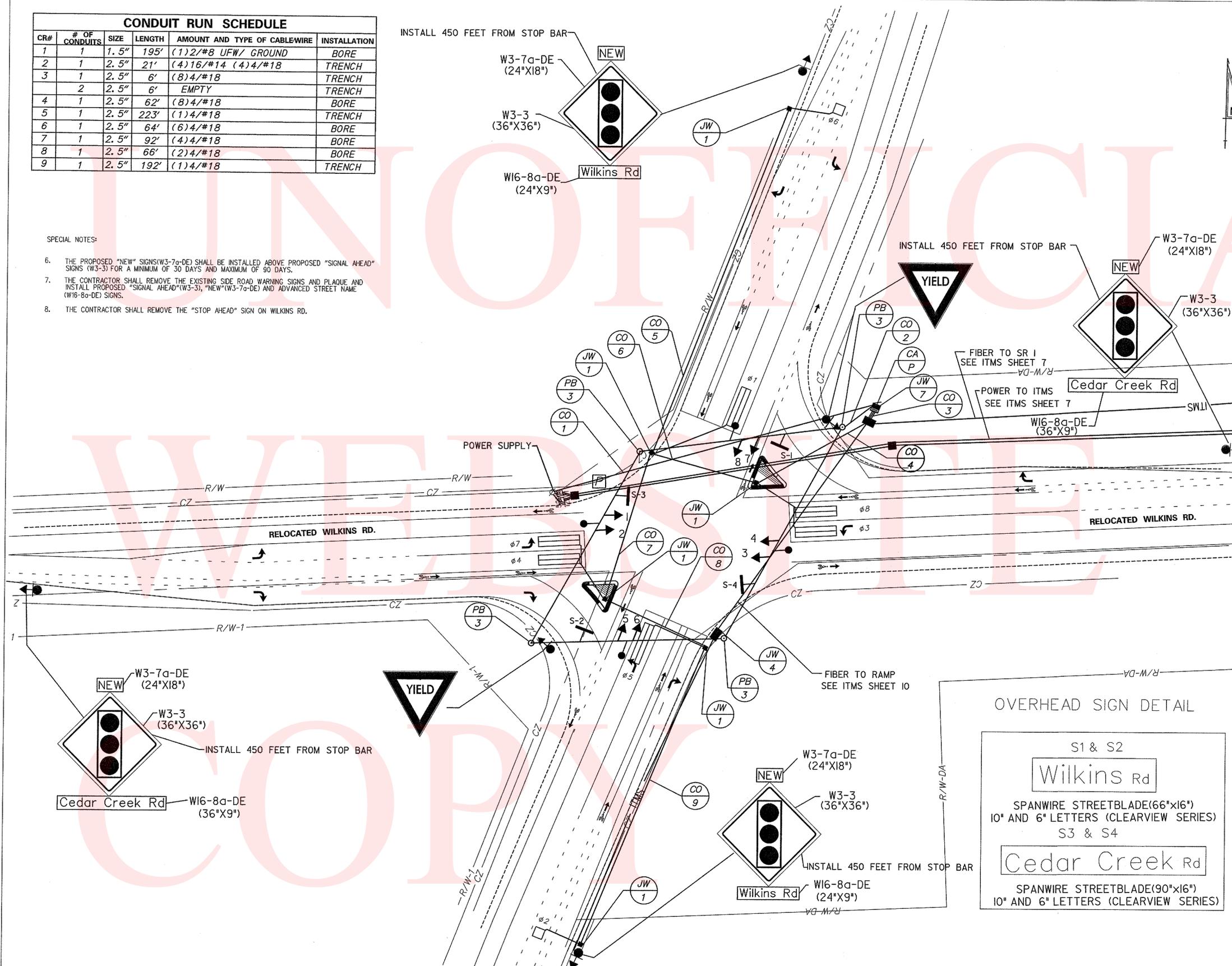
LIGHTING CONTROL CENTER WIRING DIAGRAM

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CONDUIT RUN SCHEDULE					
CR#	# OF CONDUITS	SIZE	LENGTH	AMOUNT AND TYPE OF CABLEWIRE	INSTALLATION
1	1	1.5"	195'	(1) 2/#8 UFW/ GROUND	BORE
2	1	2.5"	21'	(4) 16/#14 (4) 4/#18	TRENCH
3	1	2.5"	6'	(8) 4/#18	TRENCH
	2	2.5"	6'	EMPTY	TRENCH
4	1	2.5"	62'	(8) 4/#18	BORE
5	1	2.5"	223'	(1) 4/#18	TRENCH
6	1	2.5"	64'	(6) 4/#18	BORE
7	1	2.5"	92'	(4) 4/#18	BORE
8	1	2.5"	66'	(2) 4/#18	BORE
9	1	2.5"	192'	(1) 4/#18	TRENCH

SPECIAL NOTES:

- THE PROPOSED "NEW" SIGNS (W3-7a-DE) SHALL BE INSTALLED ABOVE PROPOSED "SIGNAL AHEAD" SIGNS (W3-3) FOR A MINIMUM OF 30 DAYS AND MAXIMUM OF 90 DAYS.
- THE CONTRACTOR SHALL REMOVE THE EXISTING SIDE ROAD WARNING SIGNS AND PLAQUE AND INSTALL PROPOSED "SIGNAL AHEAD" (W3-3), "NEW" (W3-7a-DE) AND ADVANCED STREET NAME (W16-8a-DE) SIGNS.
- THE CONTRACTOR SHALL REMOVE THE "STOP AHEAD" SIGN ON WILKINS RD.



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

- GENERAL SIGNAL NOTES**
- ALL SIGNAL POLES WILL BE 32 FEET, EXCEPT WHERE SHOWN.
  - ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
  - POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.
  - ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.
  - ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

RECOMMENDED _____ DATE: _____	RECOMMENDED <u>Chetna Dave</u> DATE: <u>1/12/12</u>	RECOMMENDED _____ DATE: _____	APPROVED TRAFFIC ENGINEER <u>Neil Ross</u> DATE: <u>1/12/12</u>	APPROVED FOR INSTALLATION CHIEF TRAFFIC ENGINEER <u>Cull</u> DATE: <u>1/12/12</u>									
ADDENDUM / REVISIONS													
			<b>SR 1, SR 30 GRADE SEPERATED INTERSECTION</b>										
		<table border="1"> <tr> <td>CONTRACT</td> <td>PERMIT NO.</td> </tr> <tr> <td>T200812201</td> <td>S324</td> </tr> <tr> <td>COUNTY</td> <td>DESIGNED BY:</td> </tr> <tr> <td>SUSSEX</td> <td>DLH</td> </tr> </table>		CONTRACT	PERMIT NO.	T200812201	S324	COUNTY	DESIGNED BY:	SUSSEX	DLH	<b>SIGNAL PLAN</b> <b>SR 30 AT WILKINS RD</b>	
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