

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1400 LF
		ITEM 748548	1400 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1400 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		350 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		43 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-COV	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
PB	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
○	POLE BASE

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
125	1	4.0 IN	480 FT**	T	COMMUNICATION CABLES
132	1	4.0 IN	210 FT	T	COMMUNICATION CABLES
134	1	4.0 IN	111 FT	T	COMMUNICATION CABLES
137	1	4.0 IN	63 FT	B	COMMUNICATION CABLES
139	1	4.0 IN	99 FT	T	COMMUNICATION CABLES
141	1	4.0 IN	234 FT	T	COMMUNICATION CABLES
170*	1	2.5 IN	6 FT	T	(3) #2, (1) #2 GROUND
171*	1	2.5 IN	3 FT	T	(2) #6, (1) #6 GROUND
172	1	2.5 IN	63 FT	B	(2) #6, (1) #6 GROUND
173	1	2.5 IN	111 FT	T	(2) #6, (1) #6 GROUND
174*	1	2.5 IN	3 FT	T	(2) #6, (1) #6 GROUND
175*	1	2.5 IN	3 FT	T	(2) #6, (1) #6 GROUND
176	1	2.5 IN	7 FT	T	COMMUNICATION CABLES
177	2	2.5 IN	8 FT	T	POWER AND COMMUNICATION CABLES

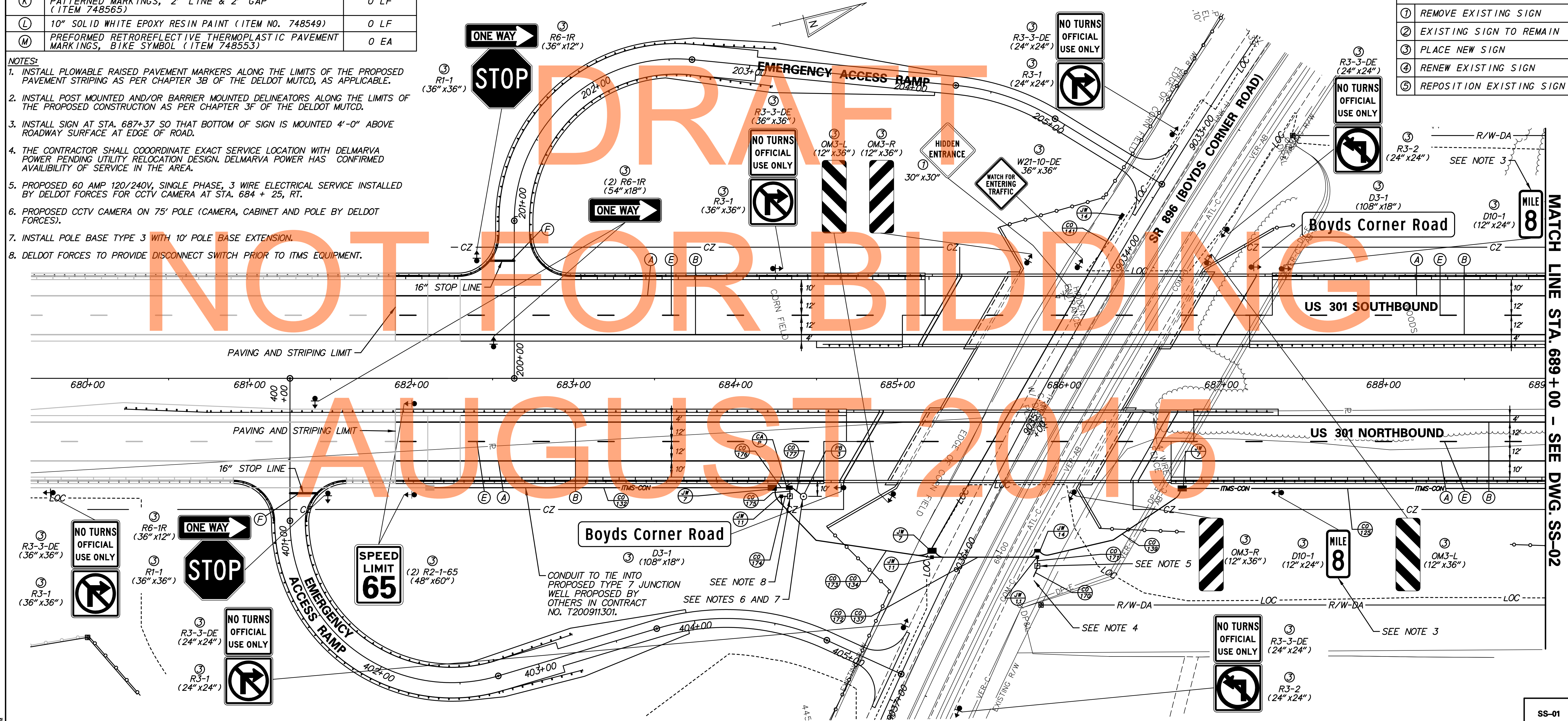
*DENOTES CONDUIT INSTALLED BY DELDOT FORCES
**QUANTITY CONTINUES ON ADJACENT SHEET

- SIGNING, STRIPING AND CONDUIT PLAN GENERAL NOTES:**
- THE CONTRACTOR SHALL INSTALL AND REMOVE ALL REGULATORY, WARNING AND SPECIAL SIGNS AND SIGN POSTS WITHIN THE CONTRACT LIMITS, AS SHOWN. DELDOT SHALL FURNISH AND SUPPLY THE STANDARD REGULATORY AND WARNING SIGNS AND STANDARD SIGN POSTS TO THE CONTRACTOR FOR INSTALLATION. FOR COORDINATION AND PICK-UP OF SIGNS AND POSTS THE CONTRACTOR SHALL CONTACT DELDOT'S SIGN SHOP AT (302) 760-2581. ALLOW SIX WEEKS FOR SIGN FABRICATION.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NON-STANDARD SIGNS SHOWN ON THE GUIDE SIGN DIMENSIONS AND DETAILS SHEETS AND ALL STEEL BEAM SIGN SUPPORTS AS SHOWN ON PLANS.
 - UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, JUNCTION WELLS, POLE BASES AND CABINET BASES FOR ITMS DEVICES. DELDOT FORCES TO FURNISH AND INSTALL ALL ELECTRICAL AND COMMUNICATION CABLES, ELECTRICAL SERVICE FEEDS, CABINETS AND ITMS DEVICES (RTMS, RWIS, CCTV AND VARIABLE SPEED LIMIT SIGNS).
 - INSTALLATION OF GROUND MOUNT SIGNS ON DELDOT SUPPLIED STANDARD SIGN POSTS SHALL BE PAID FOR UNDER ITEM NOS. 749687 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST AND 749690 - INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLE SIGN POSTS. INSTALLATION OF GROUND MOUNTED SIGNS ON STEEL BEAM SIGN SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 605501 - GROUND MOUNT BREAKAWAY TYPE SIGN SUPPORTS AND FOUNDATIONS.
 - ALL UNDERGROUND COMMUNICATION CONDUITS FOR ITMS SHALL BE SCHEDULE 80 RIGID POLYVINYL CHLORIDE WHEN INSTALLED BY TRENCHING AND SDR-13.5 HDPE WHEN INSTALLED BY BORING.
 - ALL UNDERGROUND POWER CONDUITS FOR ITMS SHALL BE SCHEDULE 80 RIGID POLYVINYL CHLORIDE UNLESS OTHERWISE NOTED.

NOTES (CONTINUED):
9. CONDUIT RUN NOS. 170, 171, 174 AND 175 SHALL BE RIGID GALVANIZED STEEL, INSTALLED BY DELDOT FORCES.

- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - INSTALL SIGN AT STA. 687+37 SO THAT BOTTOM OF SIGN IS MOUNTED 4'-0" ABOVE ROADWAY SURFACE AT EDGE OF ROAD.
 - THE CONTRACTOR SHALL COORDINATE EXACT SERVICE LOCATION WITH DELMARVA POWER PENDING UTILITY RELOCATION DESIGN. DELMARVA POWER HAS CONFIRMED AVAILABILITY OF SERVICE IN THE AREA.
 - PROPOSED 60 AMP 120/240V, SINGLE PHASE, 3 WIRE ELECTRICAL SERVICE INSTALLED BY DELDOT FORCES FOR CCTV CAMERA AT STA. 684 + 25, RT.
 - PROPOSED CCTV CAMERA ON 75' POLE (CAMERA, CABINET AND POLE BY DELDOT FORCES).
 - INSTALL POLE BASE TYPE 3 WITH 10' POLE BASE EXTENSION.
 - DELDOT FORCES TO PROVIDE DISCONNECT SWITCH PRIOR TO ITMS EQUIPMENT.

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	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1800 LF
		ITEM 748548	1800 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1800 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

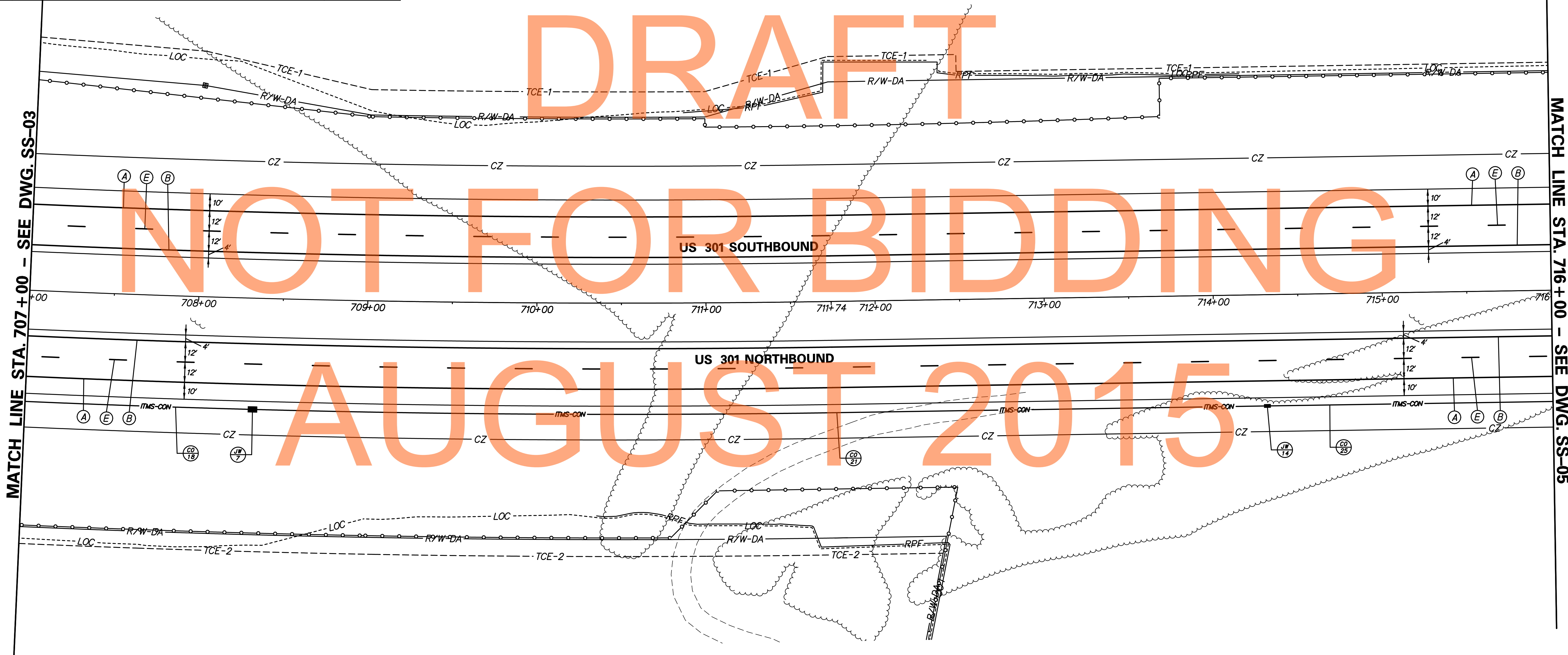
ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
18	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
21	1	4.0 IN	600 FT	T	COMMUNICATION CABLES
25	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.

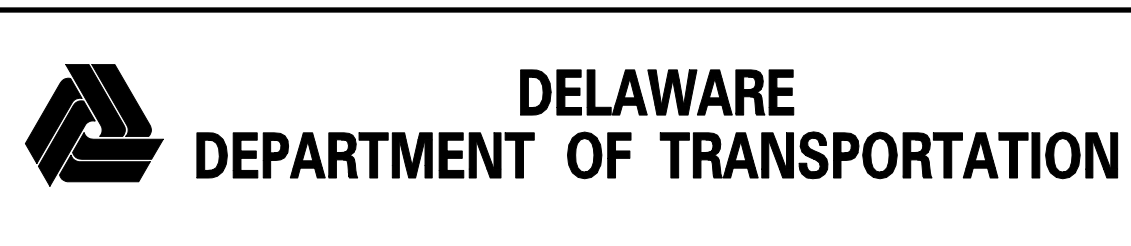


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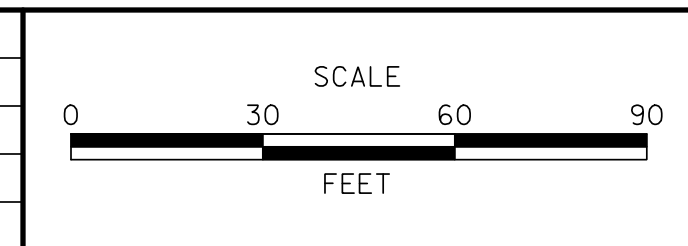
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AUGUST 2015

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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-04
SHEET NO. 793
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 1700 LF
		ITEM 748548 1700 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1700 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3" LINE & 9" GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10" LINE & 30" GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	425 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

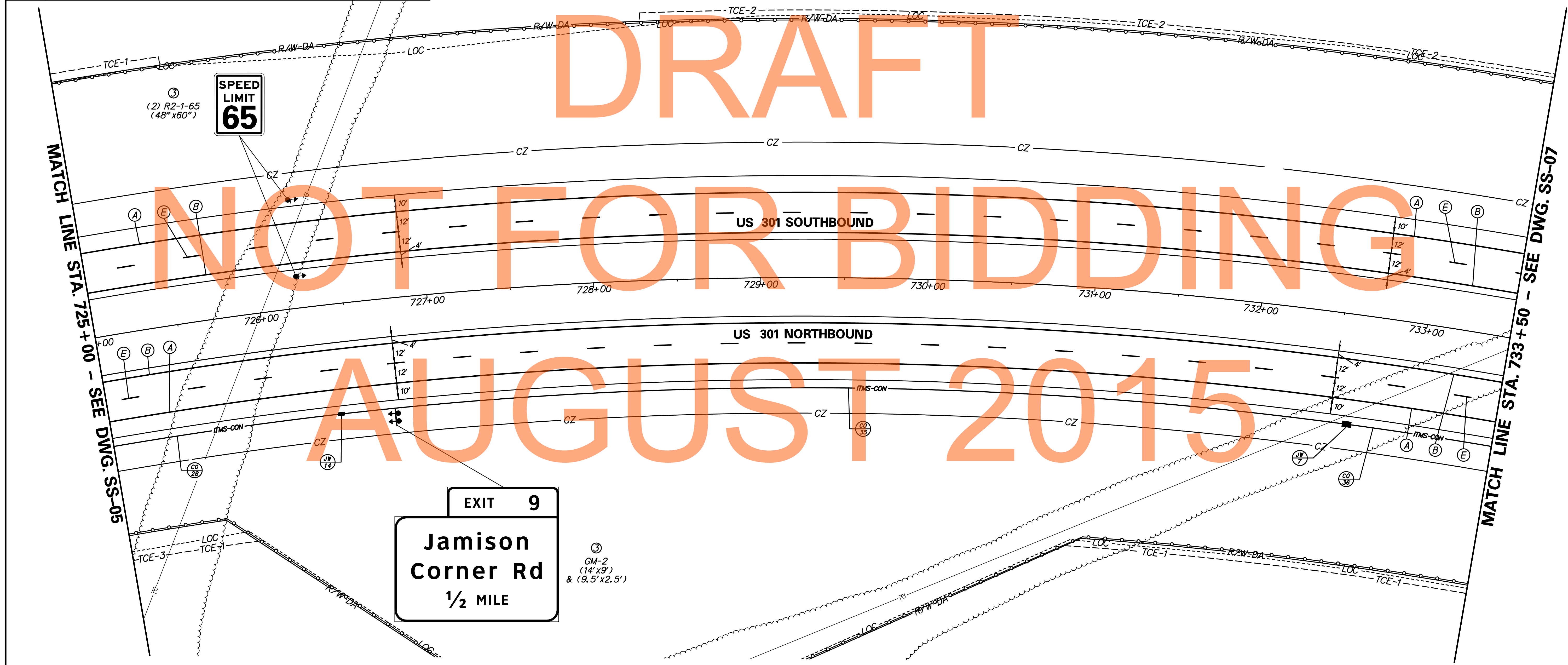
ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
ITMS CABINET AND IDENTIFIER	- ITMS CABINET AND IDENTIFIER
ITMS CONDUIT JUNCTION WELL	- ITMS CONDUIT JUNCTION WELL
JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
POLE BASE	- POLE BASE

ITMS CONDUIT RUN SCHEDULE					
CO#	* OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
28	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
35	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
36	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

* DENOTES CONDUIT INSTALLED BY DELDOT FORCES
 ** QUANTITY CONTINUES ON ADJACENT SHEET

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

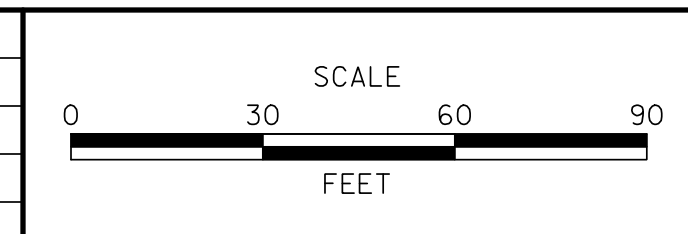
- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-06	SHEET NO. 795
	TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1700 LF
		ITEM 748548	1700 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1700 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		425 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

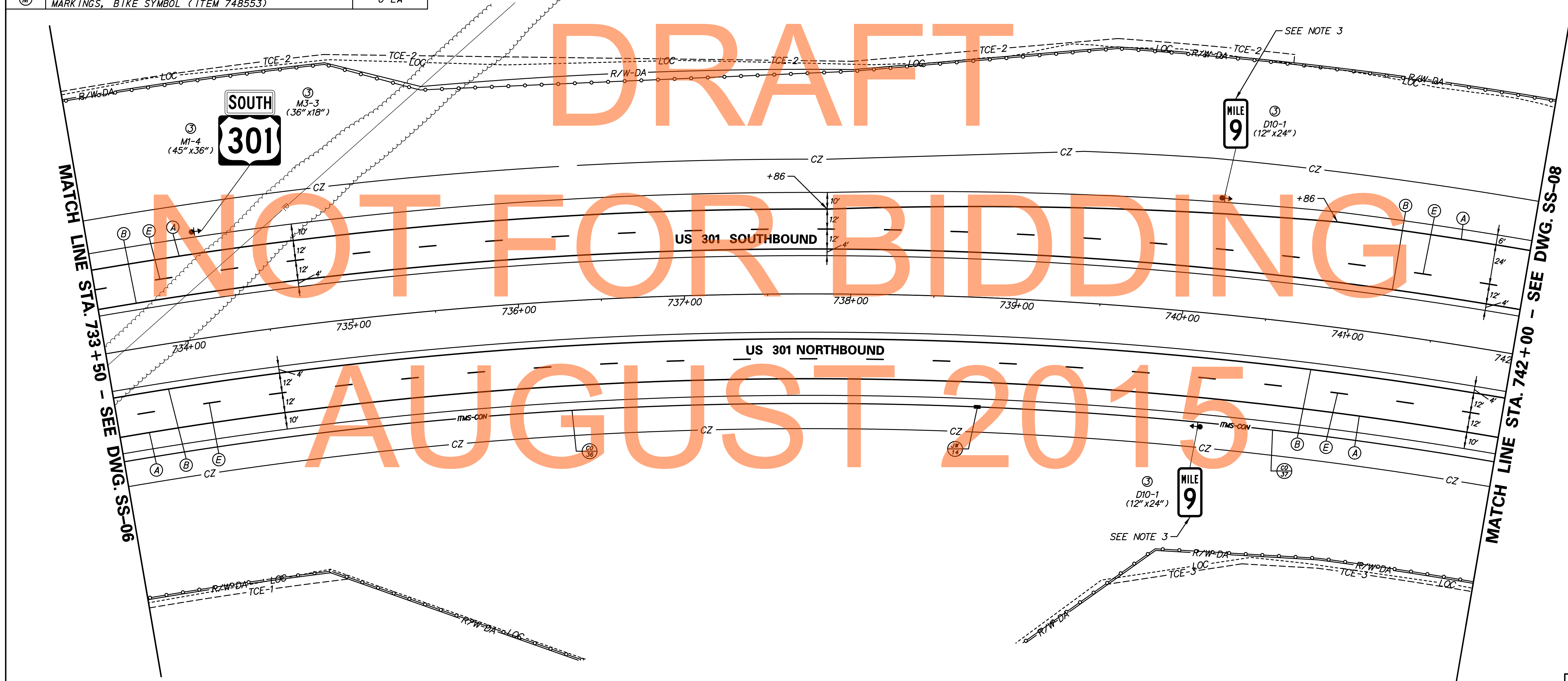
ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
CA	- ITMS CABINET AND IDENTIFIER
JW	- ITMS CONDUIT JUNCTION WELL
JW-X	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
CO-X	- CONDUIT RUN IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PB	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PB-X	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
●	- POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
36	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
37	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

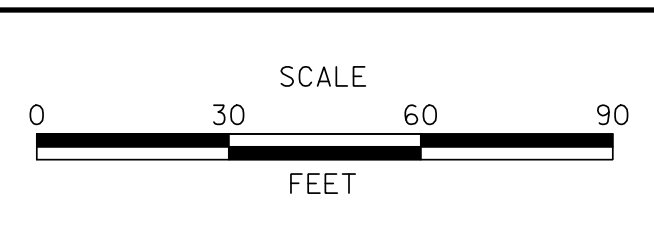
*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - INSTALL SIGN AT STA. 740+17 SO THAT BOTTOM OF SIGN IS MOUNTED 4'-0" ABOVE ROADWAY SURFACE AT EDGE OF ROAD.



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ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1
 CONTRACT T200911308
 COUNTY NEW CASTLE
 BRIDGE NO. DESIGNED BY: J.D.C.
 CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

SS-07	SHEET NO. 796
	TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	2290 LF
		ITEM 748548	2290 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		2300 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3" LINE & 9" GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		100 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10" LINE & 30" GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		140 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		1240 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

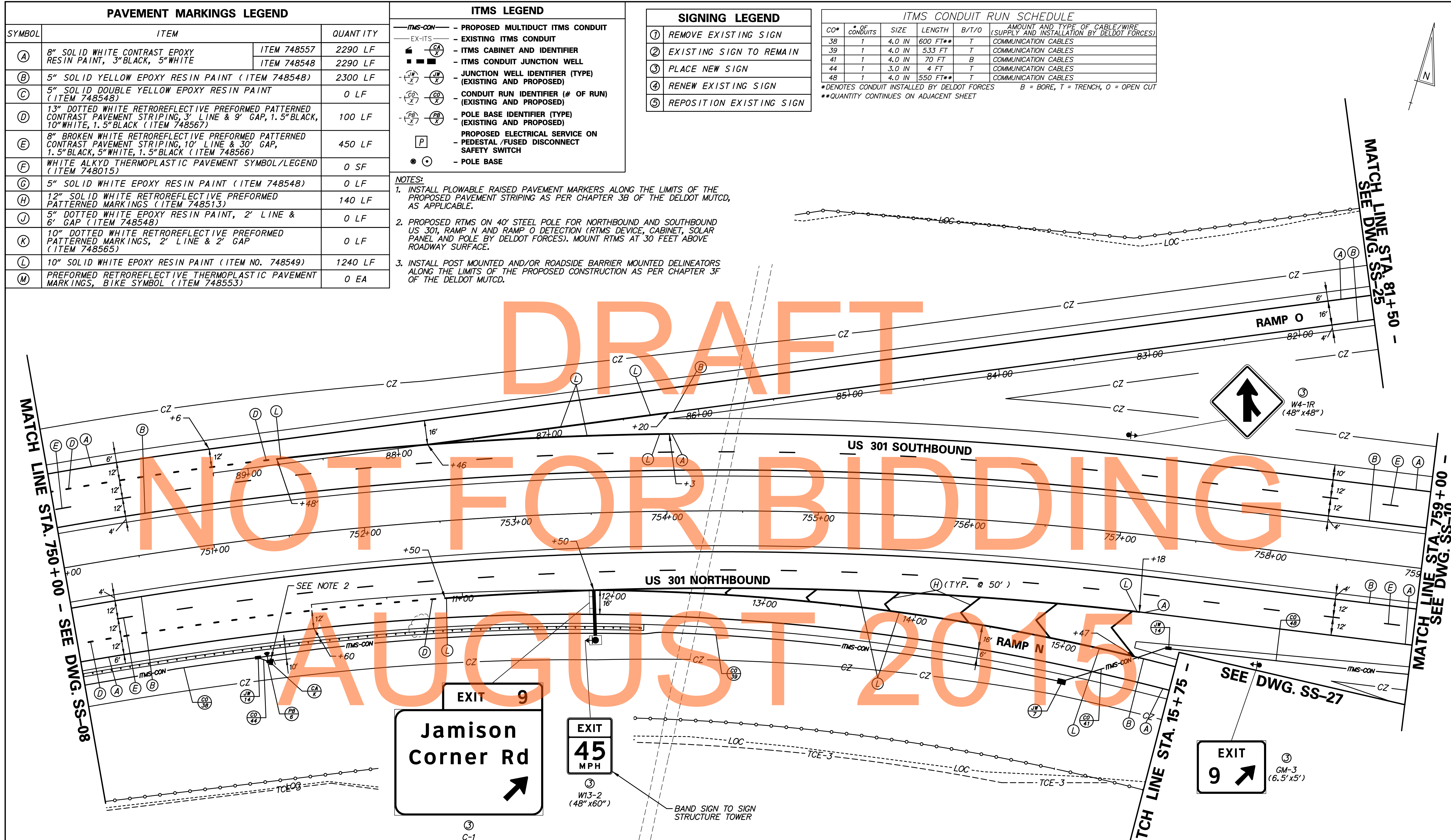
ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
CA	- ITMS CABINET AND IDENTIFIER
JW	- ITMS CONDUIT JUNCTION WELL
JW (X)	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
CO (X)	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PB	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
PB (X)	- PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
P	- POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
38	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
39	1	4.0 IN	533 FT	T	COMMUNICATION CABLES
41	1	4.0 IN	70 FT	B	COMMUNICATION CABLES
44	1	3.0 IN	4 FT	T	COMMUNICATION CABLES
48	1	4.0 IN	550 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

NOTES:
 1. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 2. PROPOSED RTMS ON 40' STEEL POLE FOR NORTHBOUND AND SOUTHBOUND US 301, RAMP N AND RAMP O DETECTION (RTMS DEVICE, CABINET, SOLAR PANEL AND POLE BY DELDOT FORCES). MOUNT RTMS AT 30 FEET ABOVE ROADWAY SURFACE.
 3. INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



SIGN SUPPORT SCHEDULE			
SIGN NUMBER	NUMBER OF SUPPORTS	SPACING (FEET)	SUPPORT LENGTH (FEET) (LEFT TO RIGHT)
C-1	3	2, 5, 5, 2	10, 12, 5, 12, 5

3
 C-1
 (14'x10') &
 (9.5'x2.5')

3
 W13-2
 (48" x 60")

3
 GM-3
 (6.5' x 5')

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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 1600 LF
		ITEM 748548 1600 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1600 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	400 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW X	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO X	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
PB X	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

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

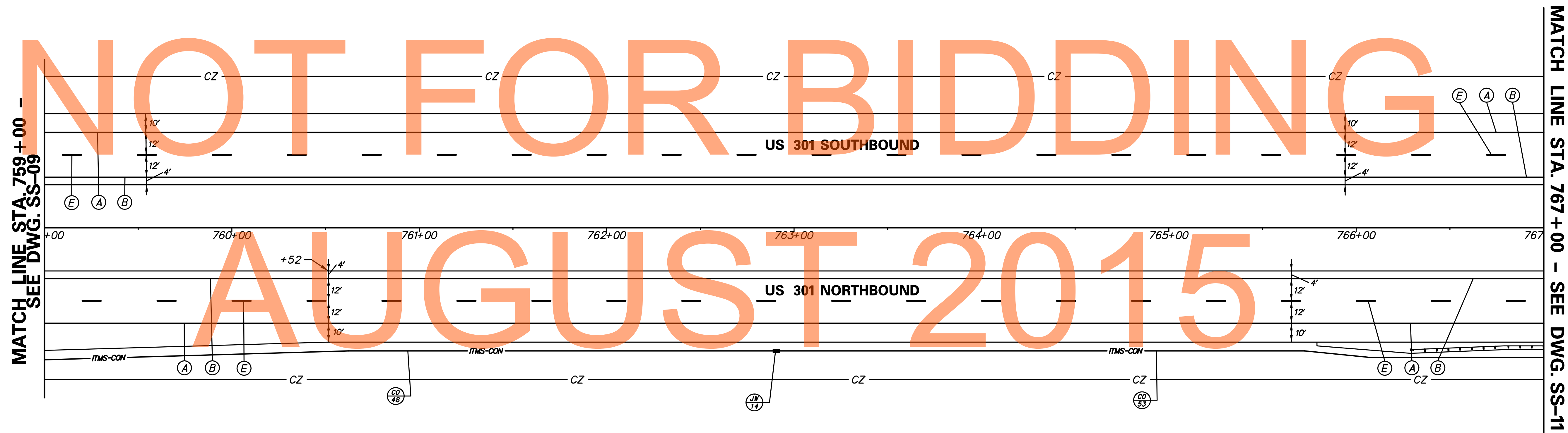
ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
48	1	4.0 IN	550 FT**	T	COMMUNICATION CABLES
53	1	4.0 IN	550 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:
- INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.

DRAFT

NOT FOR BIDDING

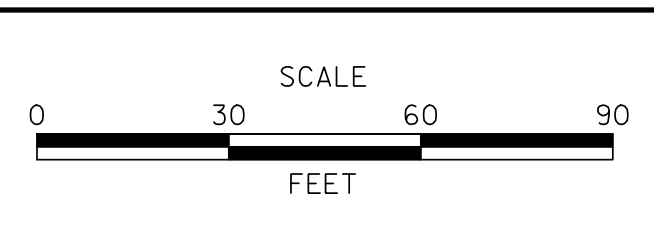


AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-10
SHEET NO. 799
TOTAL SHTS. 875

ITMS CONDUIT RUN SCHEDULE (CONT.)

CO#	* OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
49	1	2.5 IN	224 FT**	T	(2)*6, (1)*6 GROUND
53	1	4.0 IN	550 FT**	T	COMMUNICATION CABLES
56	1	4.0 IN	85 FT	T	COMMUNICATION CABLES
58	1	4.0 IN	69 FT	B	COMMUNICATION CABLES
60	1	4.0 IN	260 FT**	T	COMMUNICATION CABLES
61	1	4.0 IN	146 FT	B	COMMUNICATION CABLES
62	1	4.0 IN	76 FT	T	COMMUNICATION CABLES
63	1	4.0 IN	471 FT	T	COMMUNICATION CABLES
64	1	4.0 IN	548 FT**	T	COMMUNICATION CABLES
119	1	4.0 IN	95 FT	T	COMMUNICATION CABLES
120	1	4.0 IN	224 FT**	T	COMMUNICATION CABLES
160*	1	2.5 IN	5 FT	T	(2)*6, (1)*6 GROUND
161	1	2.5 IN	12 FT	T	COMMUNICATION CABLES
162*	1	2.5 IN	5 FT	T	(2)*6, (1)*6 GROUND
163	2	2.5 IN	5 FT	T	POWER AND COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

SIGNING LEGEND

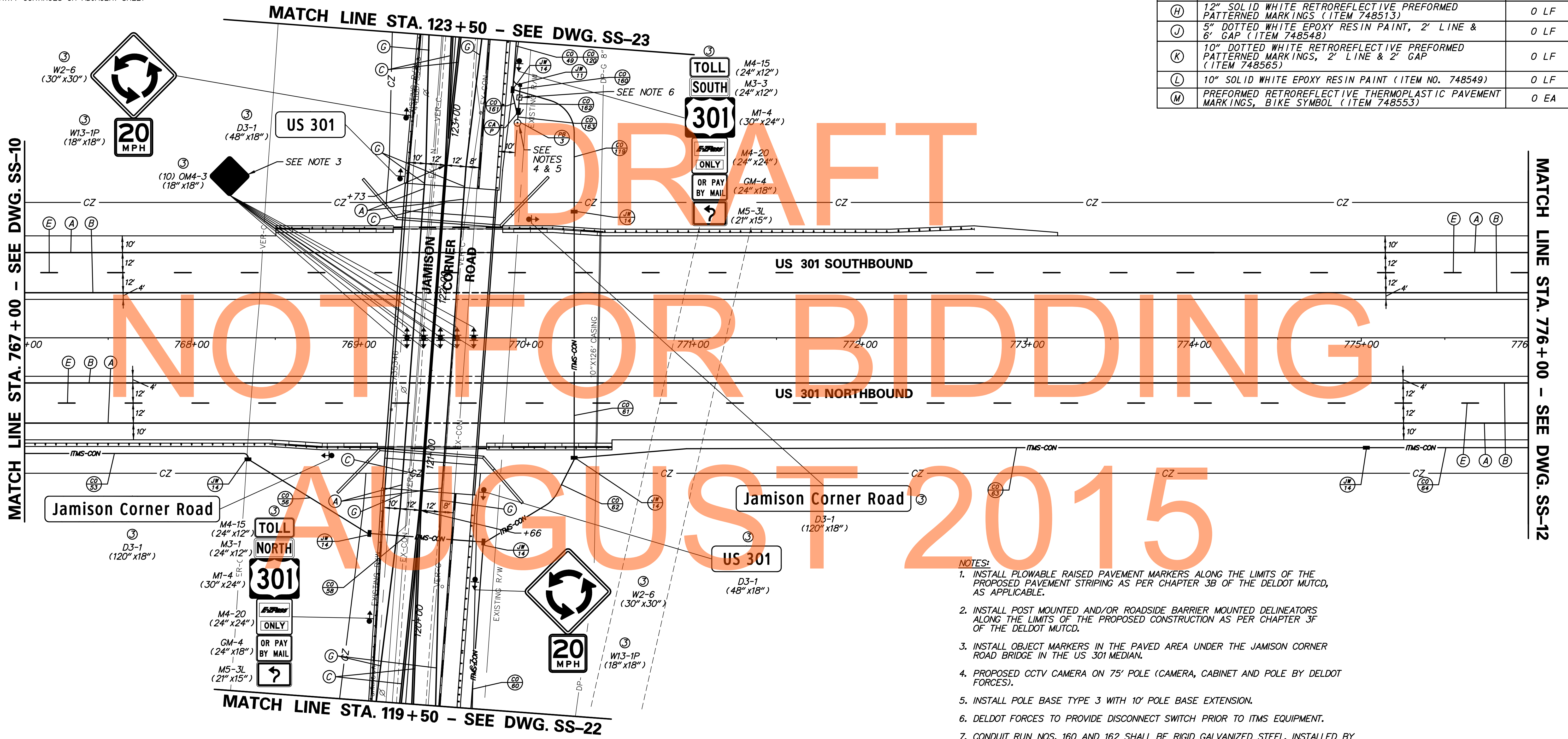
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

ITMS LEGEND

- ITMS-CON - PROPOSED MULTIDUCT ITMS CONDUIT
- EX-ITS - EXISTING ITMS CONDUIT
- ITMS CABINET AND IDENTIFIER
- ITMS CONDUIT JUNCTION WELL
- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
- POLE BASE

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 2170 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1800 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	1194 LF
(D)	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
(E)	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	450 LF
(F)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
(G)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	440 LF
(H)	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
(J)	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
(K)	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
(L)	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
(M)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA



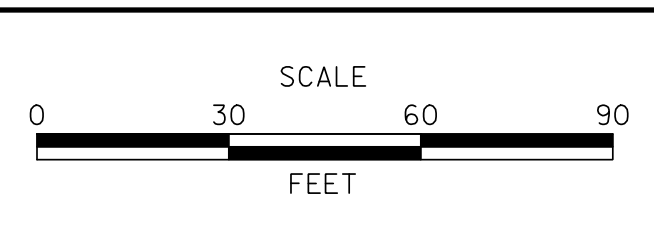
- NOTES:**
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - INSTALL OBJECT MARKERS IN THE PAVED AREA UNDER THE JAMISON CORNER ROAD BRIDGE IN THE US 301 MEDIAN.
 - PROPOSED CCTV CAMERA ON 75' POLE (CAMERA, CABINET AND POLE BY DELDOT FORCES).
 - INSTALL POLE BASE TYPE 3 WITH 10' POLE BASE EXTENSION.
 - DELDOT FORCES TO PROVIDE DISCONNECT SWITCH PRIOR TO ITMS EQUIPMENT.
 - CONDUIT RUN NOS. 160 AND 162 SHALL BE RIGID GALVANIZED STEEL, INSTALLED BY DELDOT FORCES.

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ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION



**US 301,
SR 896 TO SR 1**

CONTRACT	BRIDGE NO.	1-8 (1-460A)
T200911308	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN

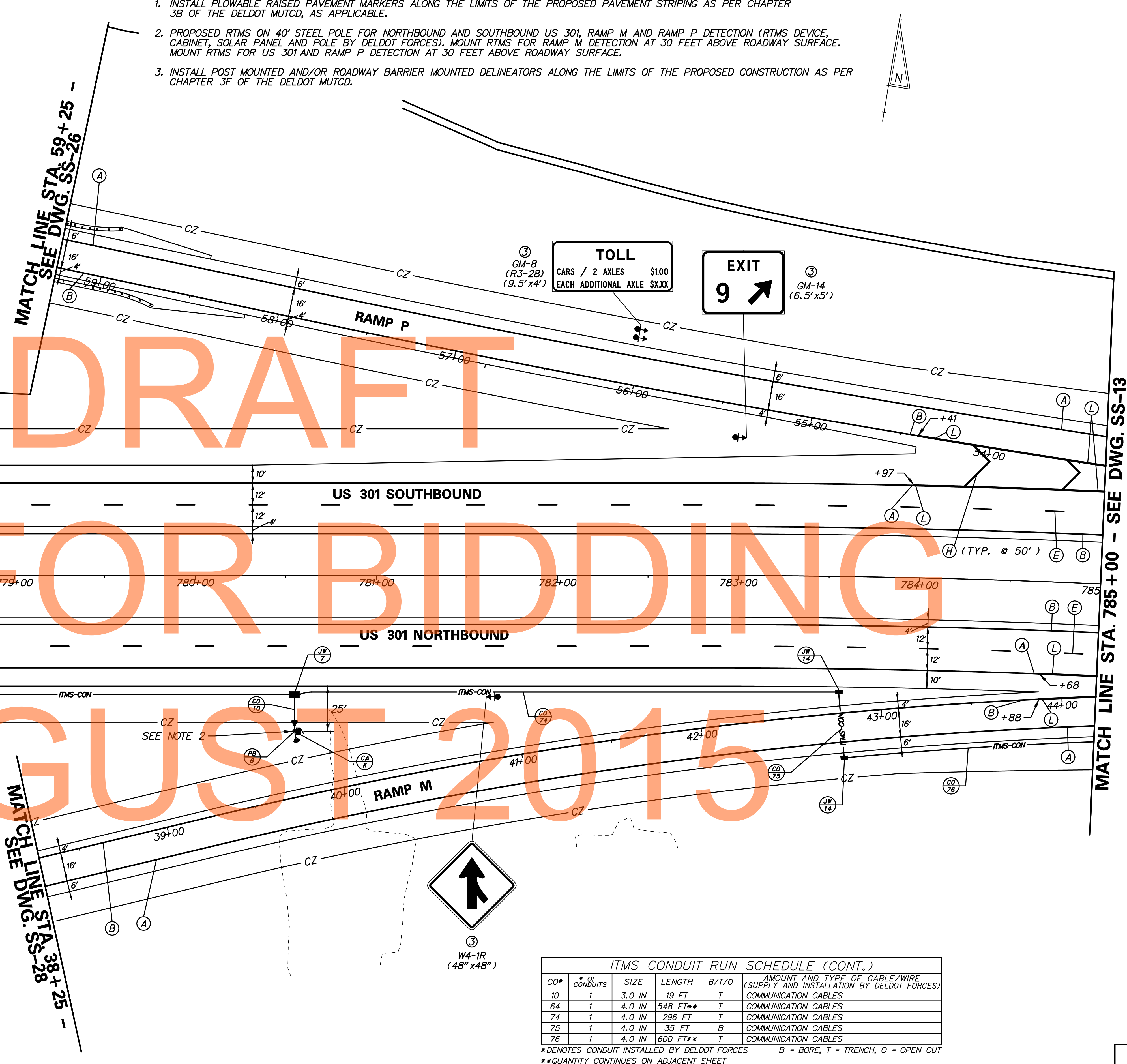
SS-11	SHEET NO.	800
	TOTAL SHTS.	875

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 2860 LF
		ITEM 748548 2860 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	2850 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3" LINE & 9" GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10" LINE & 30" GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	60 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	280 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

NOTES:

- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
- PROPOSED RTMS ON 40' STEEL POLE FOR NORTHBOUND AND SOUTHBOUND US 301, RAMP M AND RAMP P DETECTION (RTMS DEVICE, CABINET, SOLAR PANEL AND POLE BY DELDOT FORCES). MOUNT RTMS FOR RAMP M DETECTION AT 30 FEET ABOVE ROADWAY SURFACE. MOUNT RTMS FOR US 301 AND RAMP P DETECTION AT 30 FEET ABOVE ROADWAY SURFACE.
- INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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AUGUST 2015

MATCH LINE STA. 776+00 - SEE DWG. SS-11

MATCH LINE STA. 785+00 - SEE DWG. SS-13

MATCH LINE AA - SEE DWG. SS-26

MATCH LINE STA. 38+25 - SEE DWG. SS-28

ITMS LEGEND

- PROPOSED MULTIDUCT ITMS CONDUIT
- EXISTING ITMS CONDUIT
- ITMS CABINET AND IDENTIFIER
- ITMS CONDUIT JUNCTION WELL
- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
- POLE BASE

SIGNING LEGEND

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

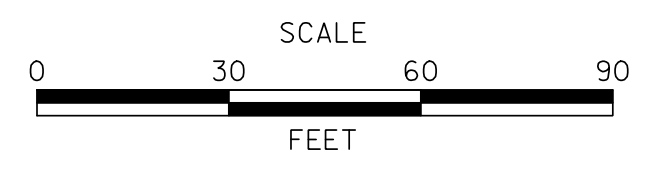
ITMS CONDUIT RUN SCHEDULE (CONT.)

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
10	1	3.0 IN	19 FT	T	COMMUNICATION CABLES
64	1	4.0 IN	548 FT**	T	COMMUNICATION CABLES
74	1	4.0 IN	296 FT	T	COMMUNICATION CABLES
75	1	4.0 IN	35 FT	B	COMMUNICATION CABLES
76	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET



ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-12
SHEET NO. 801
TOTAL SHTS. 875

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PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 1800 LF
		ITEM 748548 1800 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1800 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	310 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	23 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	950 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

ITMS LEGEND

	PROPOSED MULTIDUCT ITMS CONDUIT
	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE (EXISTING AND PROPOSED))
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

SIGNING LEGEND

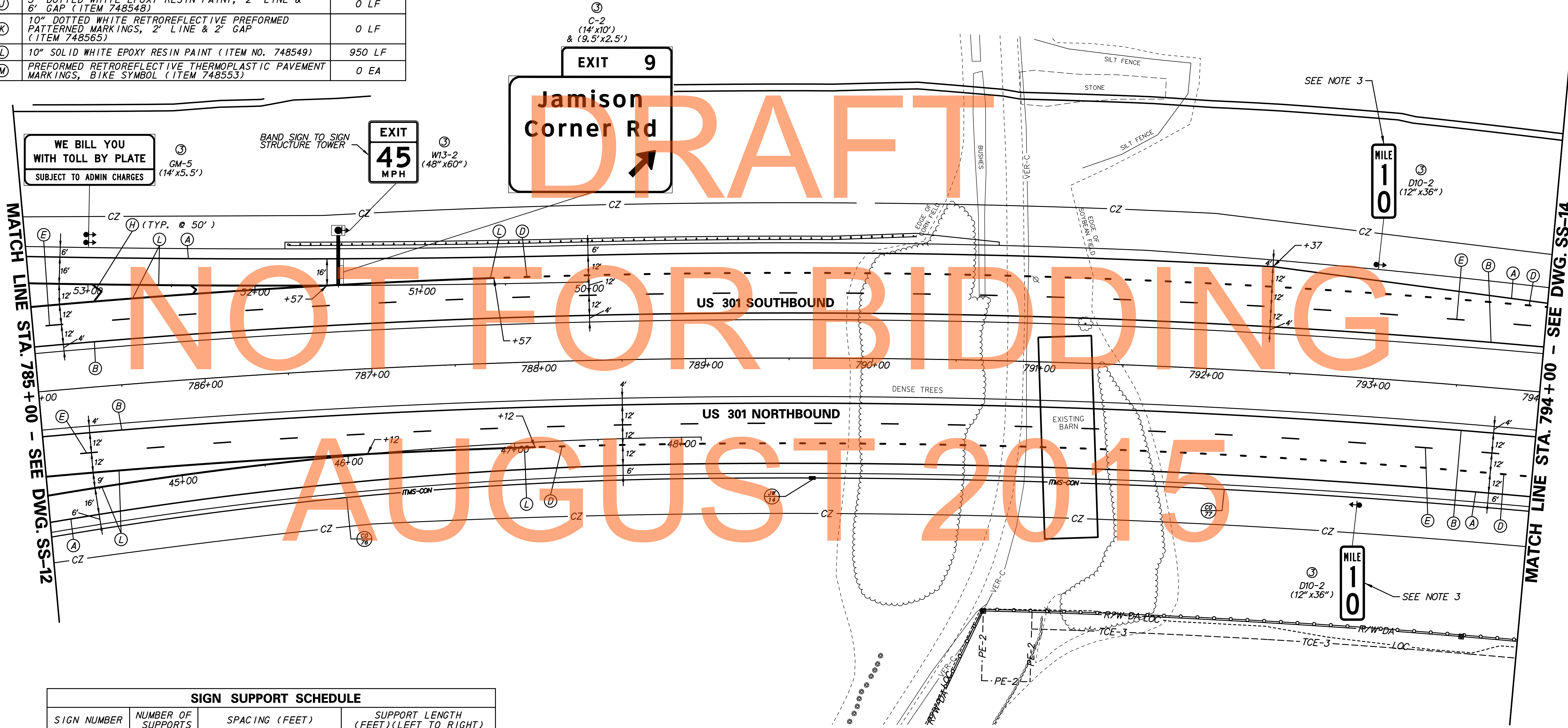
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

ITMS CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
76	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
77	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:**
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - INSTALL SIGN AT STA. 792+97 SO THAT BOTTOM OF SIGN IS MOUNTED 4'-0" ABOVE ROADWAY SURFACE AT EDGE OF ROAD.



SIGN SUPPORT SCHEDULE

SIGN NUMBER	NUMBER OF SUPPORTS	SPACING (FEET)	SUPPORT LENGTH (FEET) (LEFT TO RIGHT)
C-2	3	2, 5, 5, 2	10, 12, 5, 12, 5

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ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

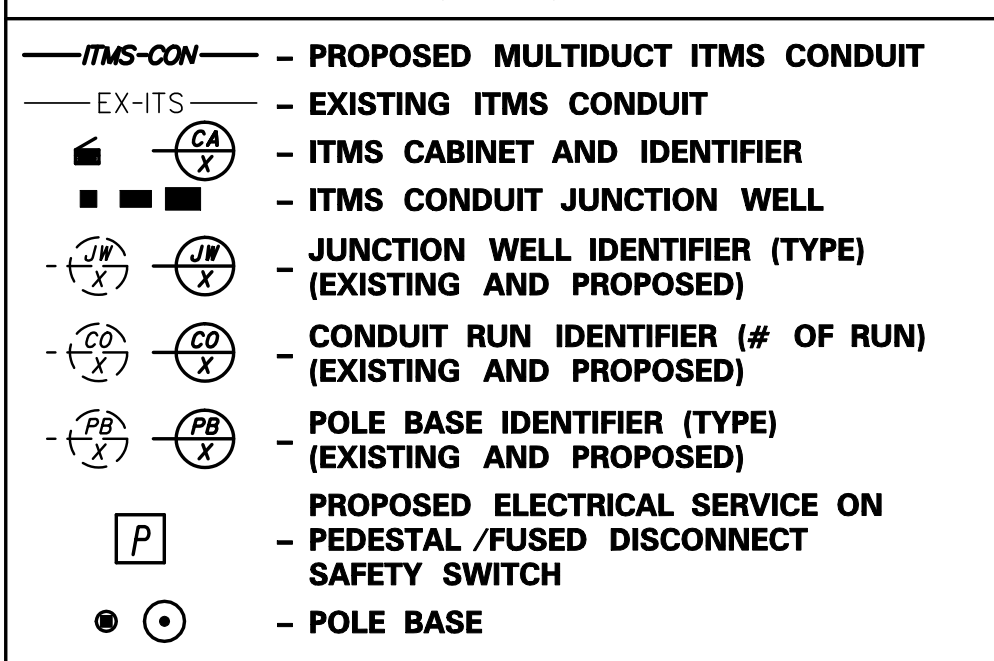
SIGNING, STRIPING & CONDUIT PLAN

SS-13	SHEET NO. 802
	TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 1800 LF
		ITEM 748548 1800 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1800 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	30 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

ITMS LEGEND



SIGNING LEGEND

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

ITMS CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
77	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
78	1	4.0 IN	600 FT	T	COMMUNICATION CABLES
79	1	4.0 IN	320 FT**	T	COMMUNICATION CABLES

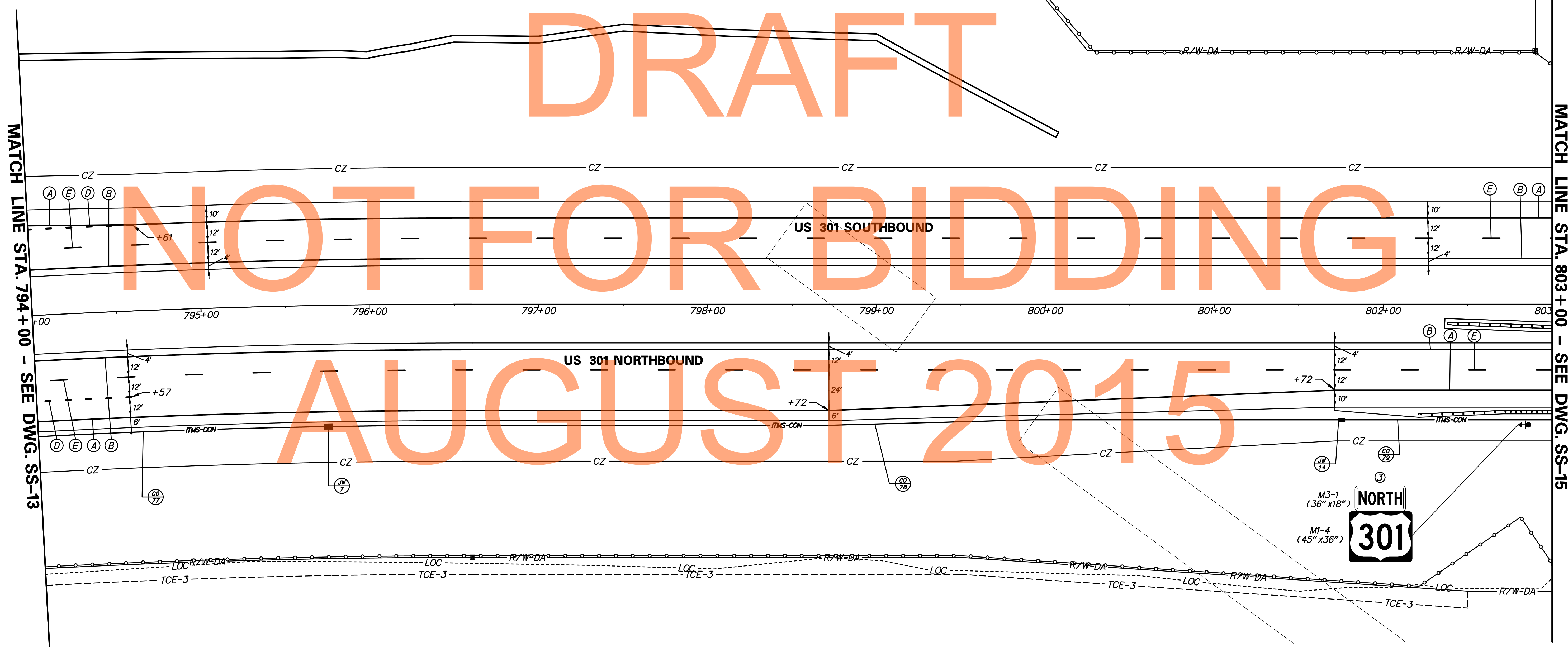
*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:**
- INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.

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NOT FOR BIDDING

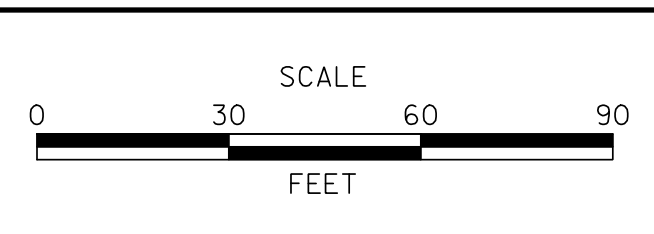
AUGUST 2015



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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-14
SHEET NO. 803
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1800 LF
		ITEM 748548	1800 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1800 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		450 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

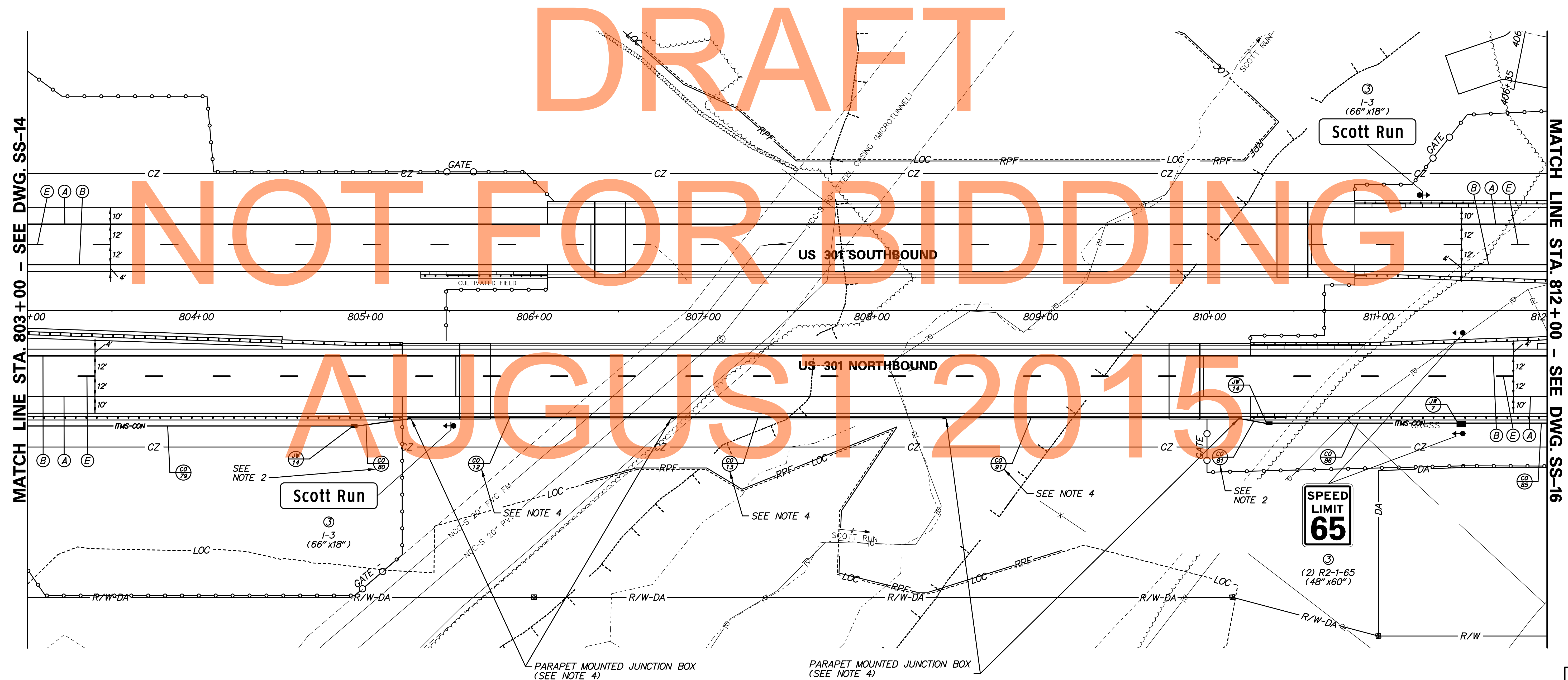
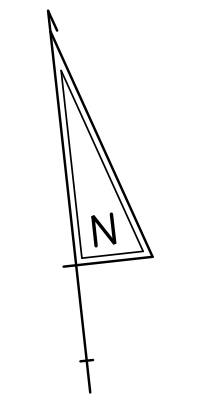
ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW X	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
CO X	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PB	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
PB X	POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
12	1	4.0 IN	154 FT	-	COMMUNICATION CABLES
13	1	4.0 IN	159 FT	-	COMMUNICATION CABLES
79	1	4.0 IN	320 FT**	T	COMMUNICATION CABLES
80	1	4.0 IN	31 FT	T	COMMUNICATION CABLES
81	1	4.0 IN	15 FT	T	COMMUNICATION CABLES
85	1	4.0 IN	410 FT**	T	COMMUNICATION CABLES
86	1	4.0 IN	114 FT	T	COMMUNICATION CABLES
91	1	4.0 IN	174 FT	-	COMMUNICATION CABLES

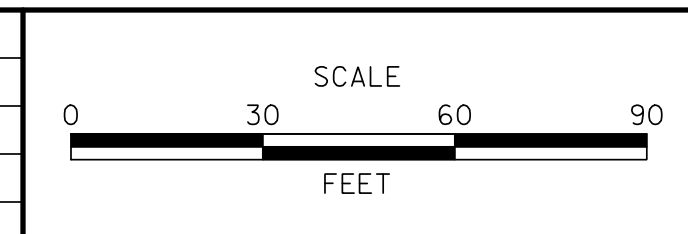
*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - CONDUIT TO TIE INTO BRIDGE END POST. REFER TO BRIDGE 1-7N PLANS FOR DETAILS OF INSTALLATION OF CONDUIT TIE IN.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - CONDUITS AND JUNCTION BOXES LOCATED INSIDE BRIDGE PARAPET. REFER TO BRIDGE 1-7N PLANS FOR DETAILS OF INSTALLATION OF CONDUIT AND JUNCTION BOXES WITHIN BRIDGE PARAPET STRUCTURE.



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ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1

CONTRACT	BRIDGE NO.	1-7 NS (I-460 NS)
T200911308	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN	SHEET NO.	804
	TOTAL SHTS.	875
	SS-15	

PAVEMENT MARKINGS LEGEND

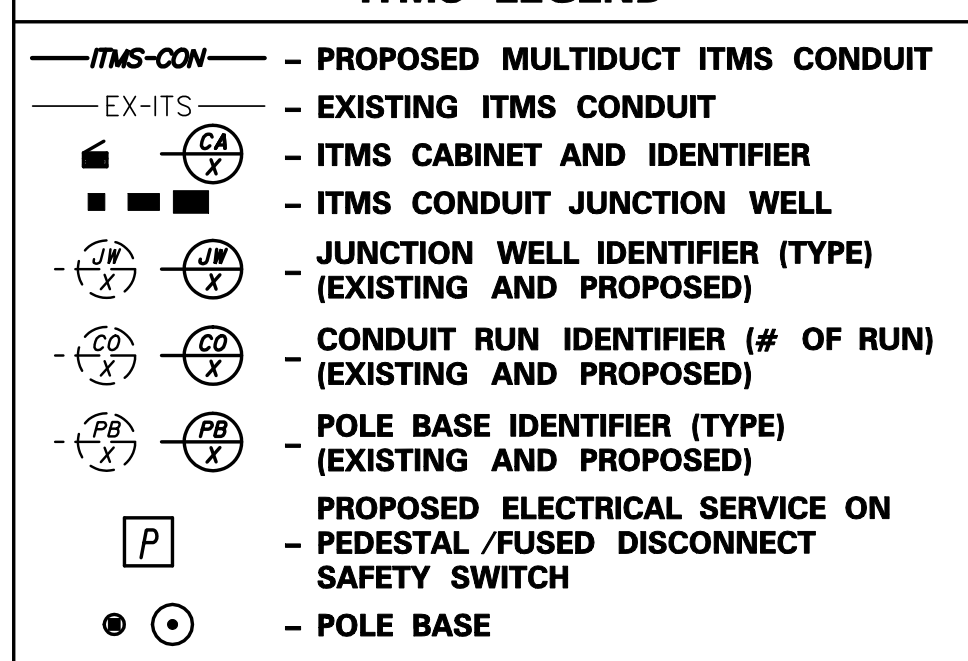
SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 1600 LF
		ITEM 748548 1600 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	1600 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	400 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

ITMS CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
85	1	4.0 IN	410 FT**	T	COMMUNICATION CABLES
88	1	3.0 IN	11 FT	T	COMMUNICATION CABLES
93	1	4.0 IN	265 FT	T	COMMUNICATION CABLES
95	1	4.0 IN	55 FT	B	COMMUNICATION CABLES
98	1	4.0 IN	40 FT	T	COMMUNICATION CABLES
104	1	4.0 IN	560 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

ITMS LEGEND

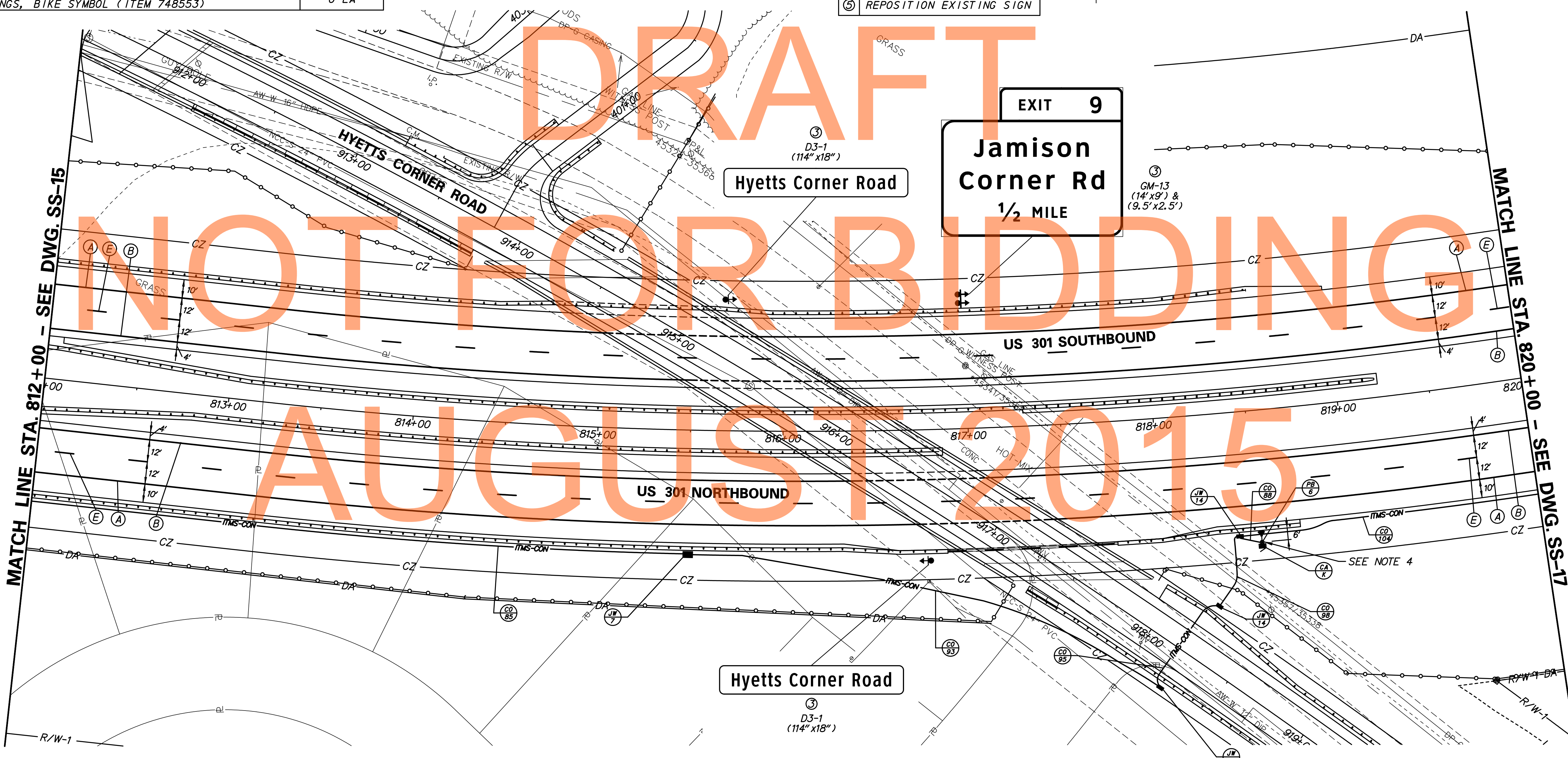


SIGNING LEGEND

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

NOTES:

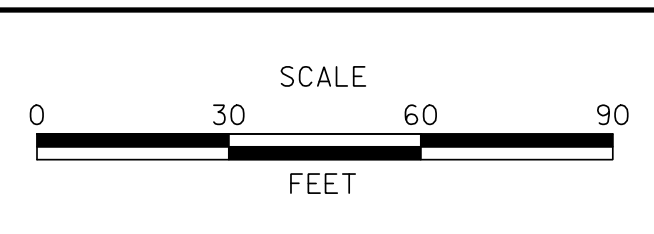
1. SEE DWG. NOS. SS-29 THROUGH SS-33 FOR PROPOSED SIGNING AND STRIPING ALONG HYETTS CORNER ROAD.
2. INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
3. INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
4. PROPOSED RTMS ON 40' STEEL POLE FOR NORTHBOUND AND SOUTHBOUND US 301 DETECTION (RTMS DEVICE, CABINET, SOLAR PANEL AND POLE BY DELDOT FORCES). MOUNT RTMS AT 18 FEET ABOVE ROADWAY SURFACE.



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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT	T200911308	BRIDGE NO.	1-5 (I-436A)
COUNTY	NEW CASTLE	DESIGNED BY:	J.D.C.
		CHECKED BY:	J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-16	SHEET NO.
	805
	TOTAL SHTS.
	875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1600 LF
		ITEM 748548	1600 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1600 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		400 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW (X)	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO (X)	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
PB (X)	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

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

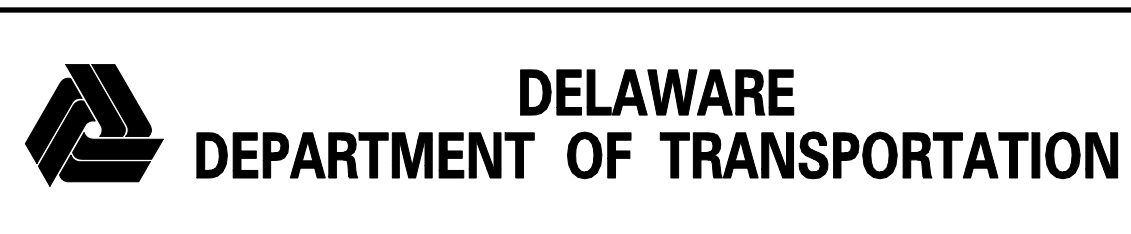
ITMS CONDUIT RUN SCHEDULE					
CO#	*OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
104	1	4.0 IN	560 FT**	T	COMMUNICATION CABLES
105	1	4.0 IN	575 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

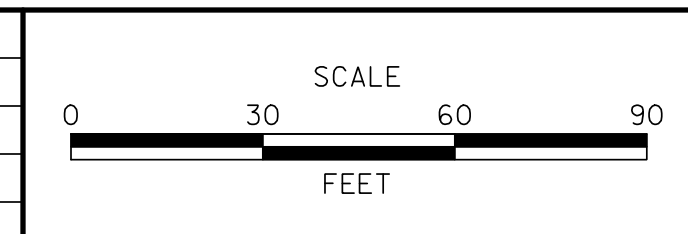
- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

SIGNING, STRIPING
& CONDUIT PLAN

SS-17
SHEET NO.
806
TOTAL SHTS.
875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1700 LF
		ITEM 748548	1700 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1700 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		425 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

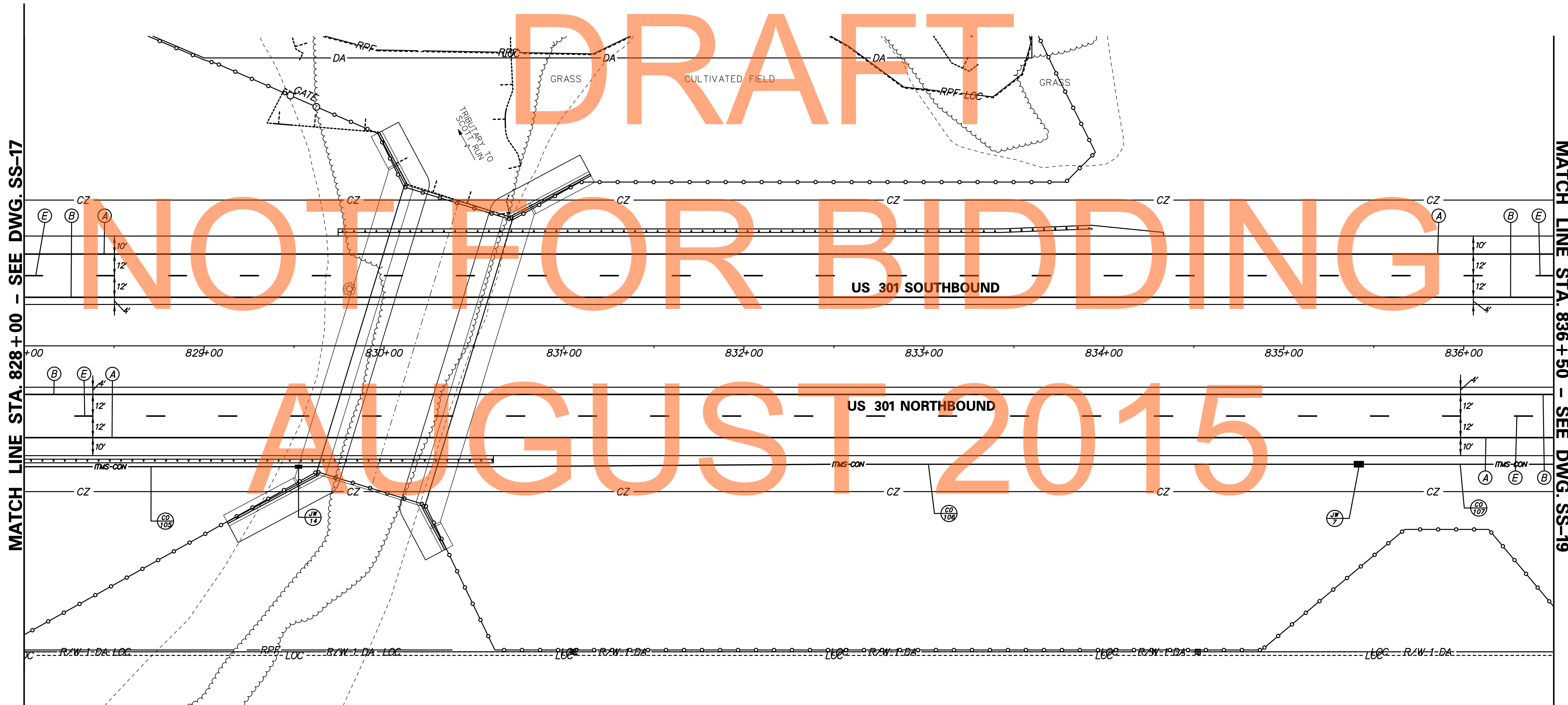
ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
ITMS CABINET AND IDENTIFIER	
ITMS CONDUIT JUNCTION WELL	
JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)	
POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH	
POLE BASE	

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

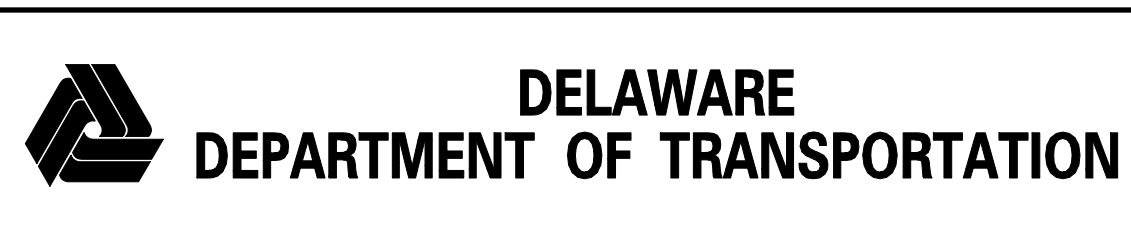
ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
105	1	4.0 IN	575 FT**	T	COMMUNICATION CABLES
106	1	4.0 IN	590 FT	T	COMMUNICATION CABLES
107	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET

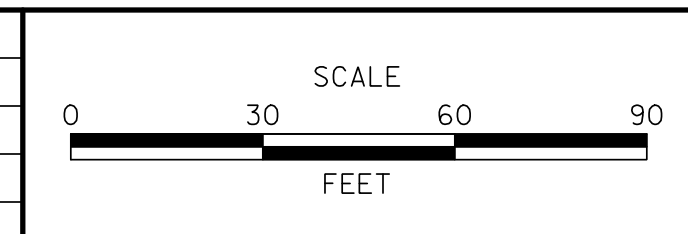
- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.	1-4 (I-436)
T200911308	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN

SS-18
SHEET NO.
807
TOTAL SHTS.
875

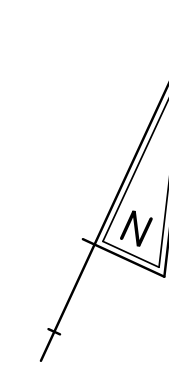
PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1100 LF
		ITEM 748548	1100 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1100 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		275 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
ITMS CABINET AND IDENTIFIER	
ITMS CONDUIT JUNCTION WELL	
JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)	
POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH	
POLE BASE	

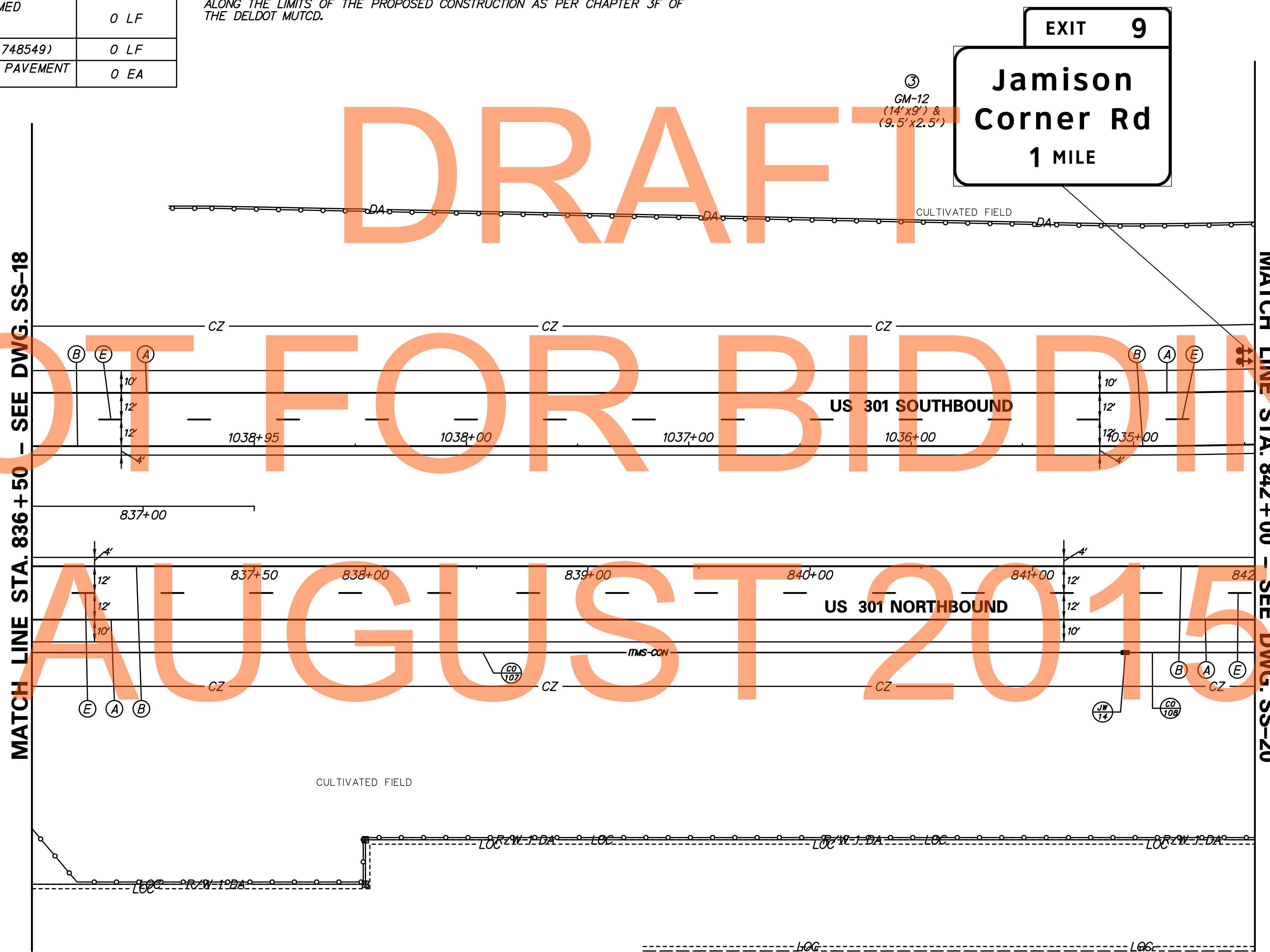
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
107	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES
108	1	4.0 IN	600 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
 **QUANTITY CONTINUES ON ADJACENT SHEET



- NOTES:
- INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



DRAFT

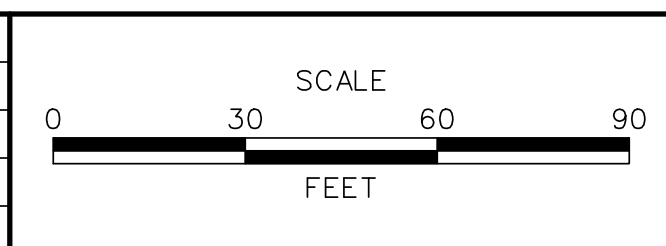
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AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-19
SHEET NO. 808
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	1200 LF
		ITEM 748548	1200 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1200 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		300 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

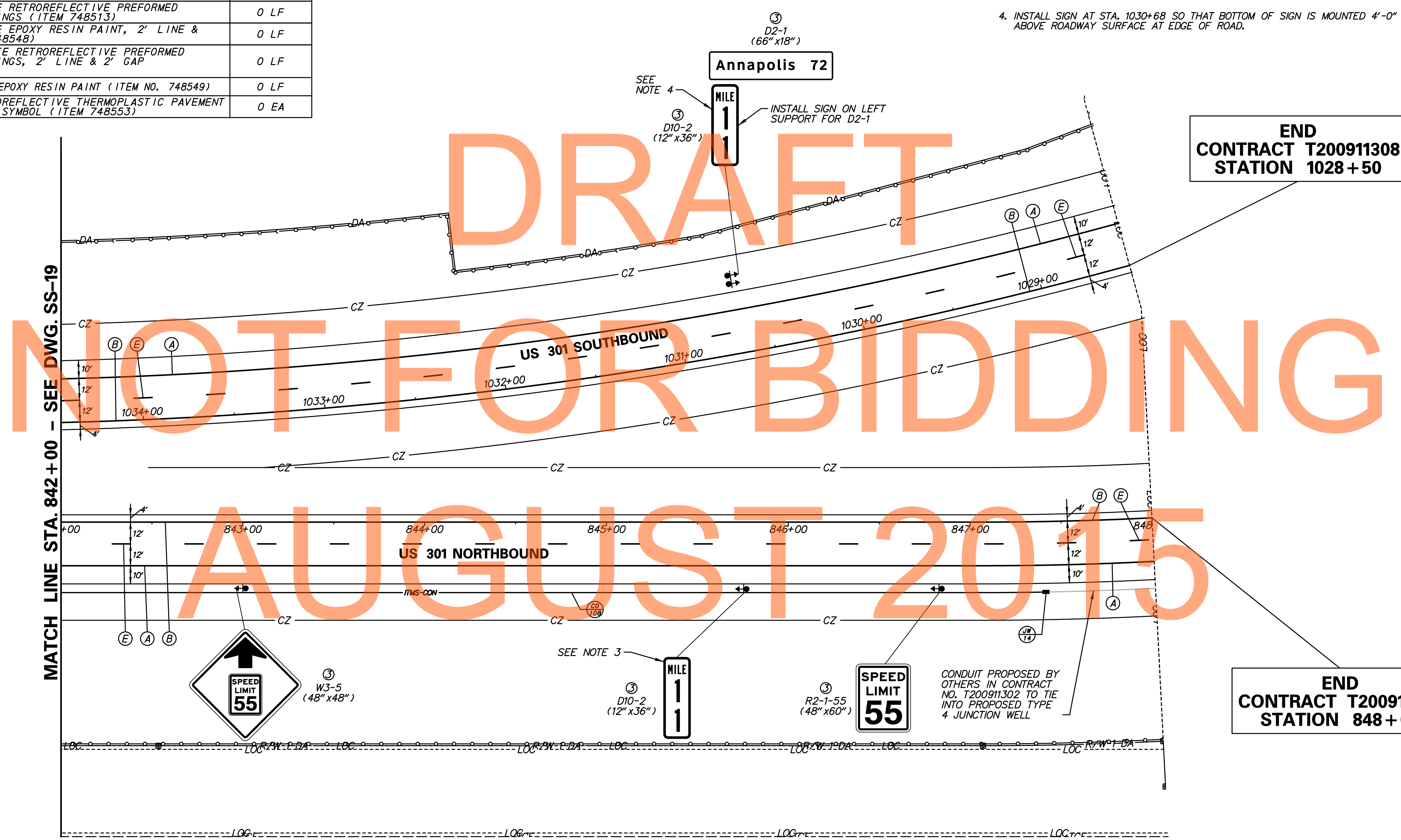
ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES) COMMUNICATION CABLES
108	1	4.0 IN	600 FT**	T	

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
**QUANTITY CONTINUES ON ADJACENT SHEET

- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - INSTALL SIGN AT STA. 845+77 SO THAT BOTTOM OF SIGN IS MOUNTED 4'-0" ABOVE ROADWAY SURFACE AT EDGE OF ROAD.
 - INSTALL SIGN AT STA. 1030+68 SO THAT BOTTOM OF SIGN IS MOUNTED 4'-0" ABOVE ROADWAY SURFACE AT EDGE OF ROAD.

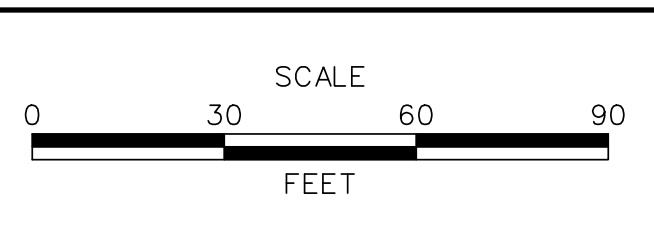


END
CONTRACT T200911308
STATION 1028+50

END
CONTRACT T200911308
STATION 848+00

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ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

SS-20
SHEET NO. 809
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	0 LF
		ITEM 748548	0 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		600 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		600 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO*	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
109	1	4.0 IN	358 FT	T	COMMUNICATION CABLES
110	1	4.0 IN	358 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
**QUANTITY CONTINUES ON ADJACENT SHEET

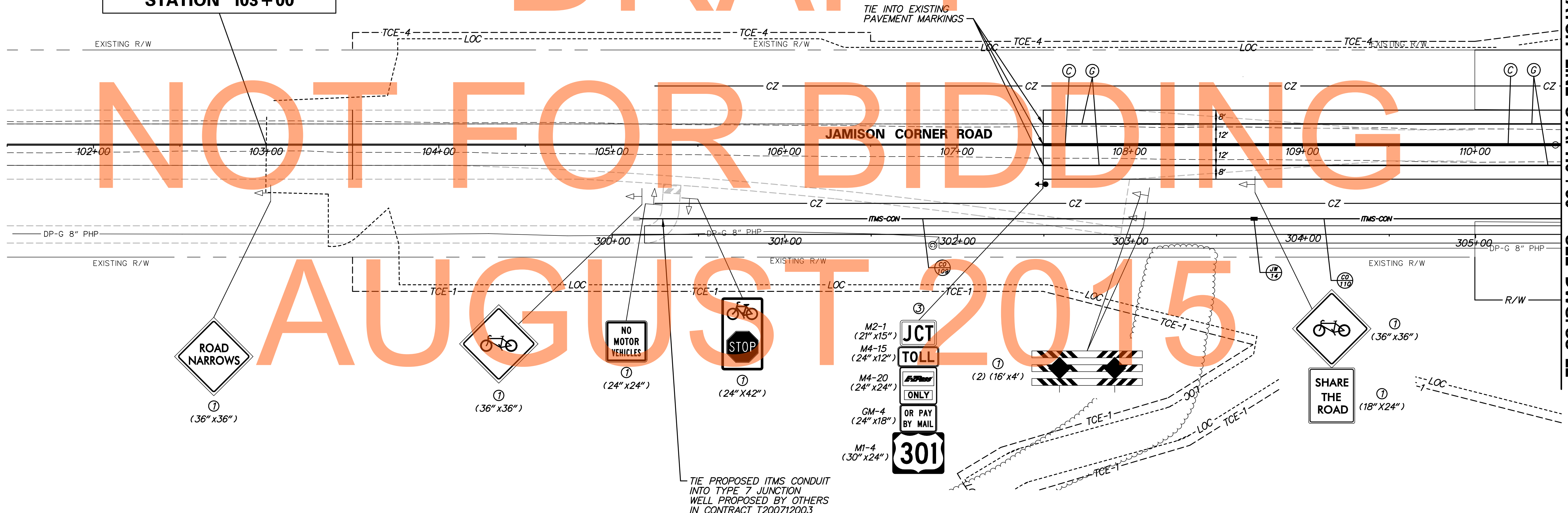
- NOTES:
- INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - ALL WORK SHOWN SCREENED ON THIS PLAN IS PROPOSED BY OTHERS UNDER CONTRACT T200712003.

LIMIT OF CONSTRUCTION
CONTRACT T200911308
STATION 103+00

DRAFT

NOT FOR BIDDING

AUGUST 2015



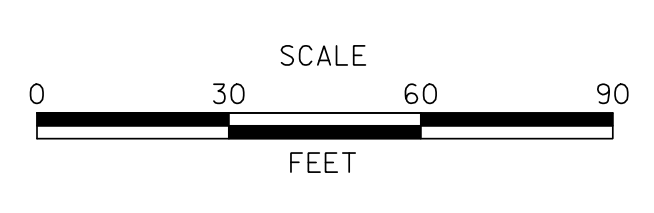
MATCH LINE STA. 110+50 - SEE DWG. SS-22

TIE PROPOSED ITMS CONDUIT INTO TYPE 7 JUNCTION WELL PROPOSED BY OTHERS IN CONTRACT T200712003

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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

SS-21
SHEET NO. 810
TOTAL SHTS. 875

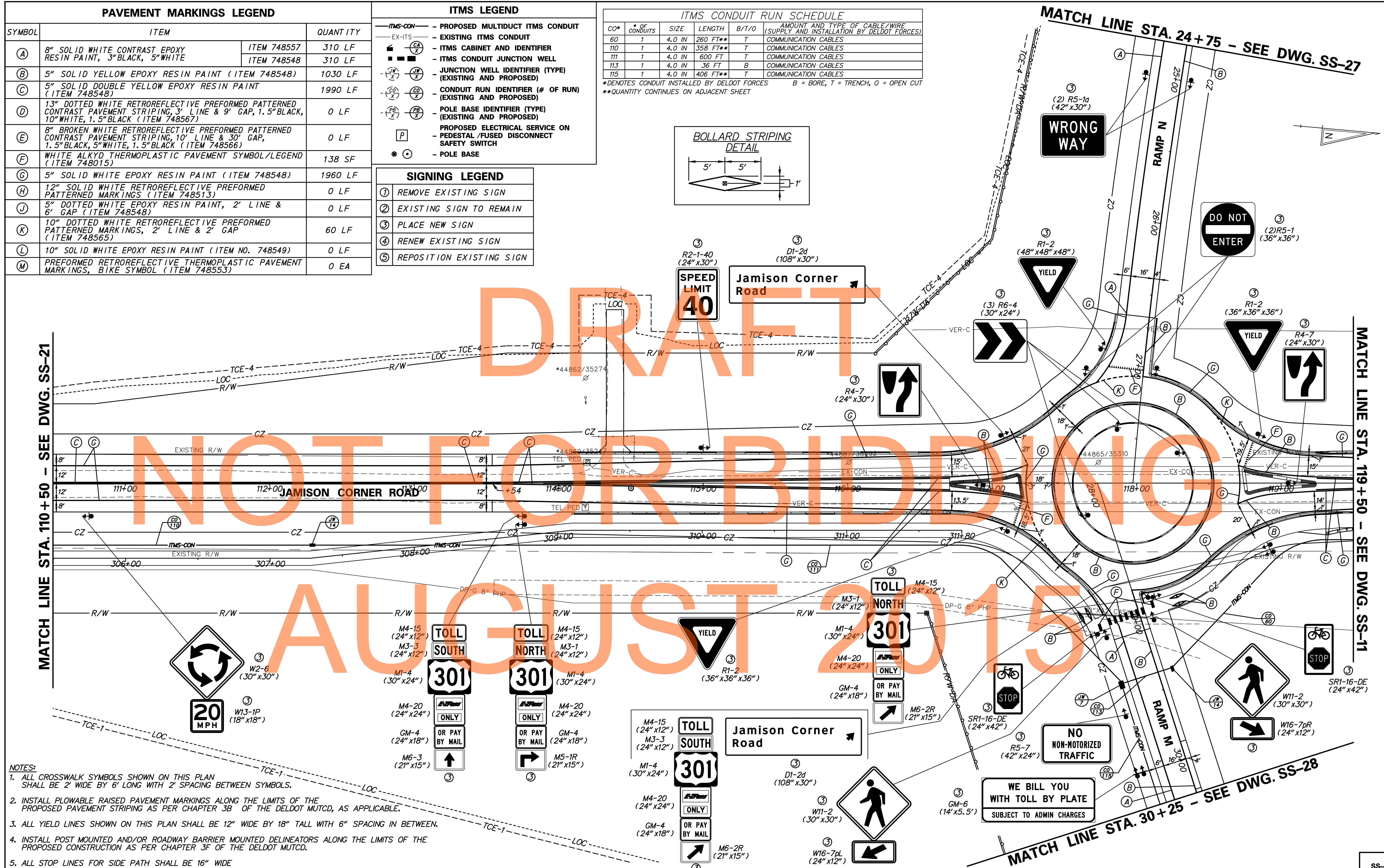
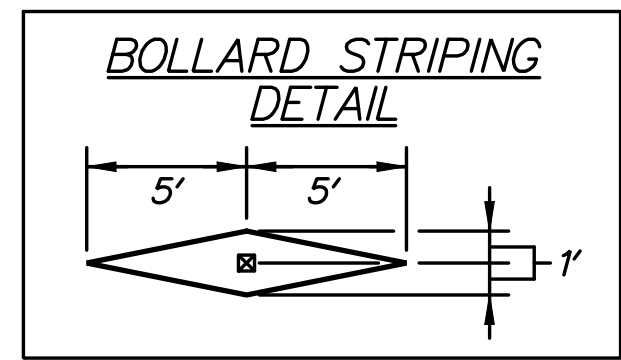
PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	310 LF
		ITEM 748548	310 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		1030 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		1990 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		138 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		1960 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		60 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW-X	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CO	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
CO-X	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
PB	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
PB-X	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

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

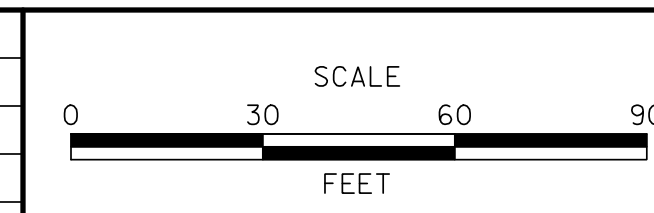
ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
60	1	4.0 IN	260 FT**	T	COMMUNICATION CABLES
110	1	4.0 IN	358 FT**	T	COMMUNICATION CABLES
111	1	4.0 IN	600 FT	T	COMMUNICATION CABLES
113	1	4.0 IN	36 FT	B	COMMUNICATION CABLES
115	1	4.0 IN	406 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES B = BORE, T = TRENCH, O = OPEN CUT
**QUANTITY CONTINUES ON ADJACENT SHEET



- NOTES:
- ALL CROSSWALK SYMBOLS SHOWN ON THIS PLAN SHALL BE 2' WIDE BY 6' LONG WITH 2' SPACING BETWEEN SYMBOLS.
 - INSTALL PLOWABLE RAISED PAVEMENT MARKINGS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - ALL YIELD LINES SHOWN ON THIS PLAN SHALL BE 12" WIDE BY 18" TALL WITH 6" SPACING IN BETWEEN.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - ALL STOP LINES FOR SIDE PATH SHALL BE 16" WIDE

ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1

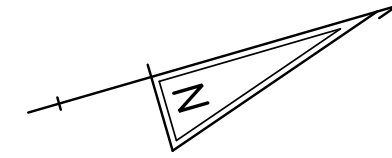
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN	SHEET NO. 811
	TOTAL SHTS. 875

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ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
123	1	4.0 IN	583 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES
**QUANTITY CONTINUES ON ADJACENT SHEET

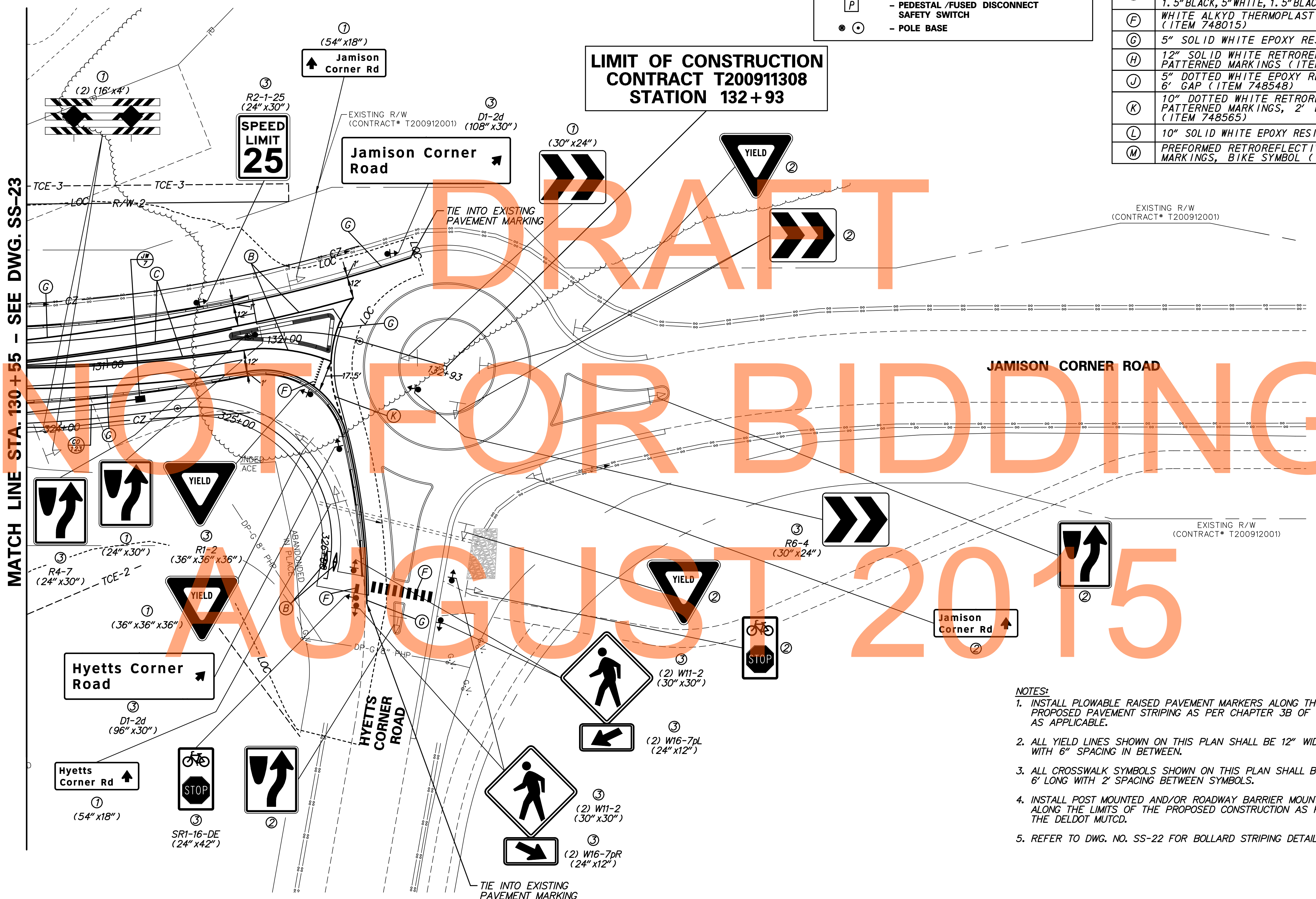


SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
CA	ITMS CABINET AND IDENTIFIER
JW	ITMS CONDUIT JUNCTION WELL
JW	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
CR	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
PB	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL /FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 ITEM 748548 0 LF 0 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	130 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	458 LF
(D)	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
(E)	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	0 LF
(F)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	126 SF
(G)	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	560 LF
(H)	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
(J)	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
(K)	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	18 LF
(L)	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
(M)	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

**LIMIT OF CONSTRUCTION
CONTRACT T200911308
STATION 132+93**



MATCH LINE STA. 130+55 - SEE DWG. SS-23

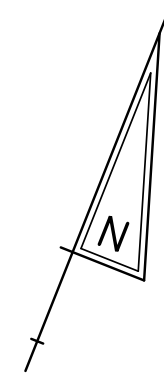
- NOTES:**
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - ALL YIELD LINES SHOWN ON THIS PLAN SHALL BE 12" WIDE BY 18" TALL WITH 6" SPACING IN BETWEEN.
 - ALL CROSSWALK SYMBOLS SHOWN ON THIS PLAN SHALL BE 2' WIDE BY 6' LONG WITH 2' SPACING BETWEEN SYMBOLS.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - REFER TO DWG. NO. SS-22 FOR BOLLARD STRIPING DETAIL.

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PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	QUANTITY	
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	850 LF
		ITEM 748548	850 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		850 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
	- ITMS CABINET AND IDENTIFIER
	- ITMS CONDUIT JUNCTION WELL
	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
	- POLE BASE

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



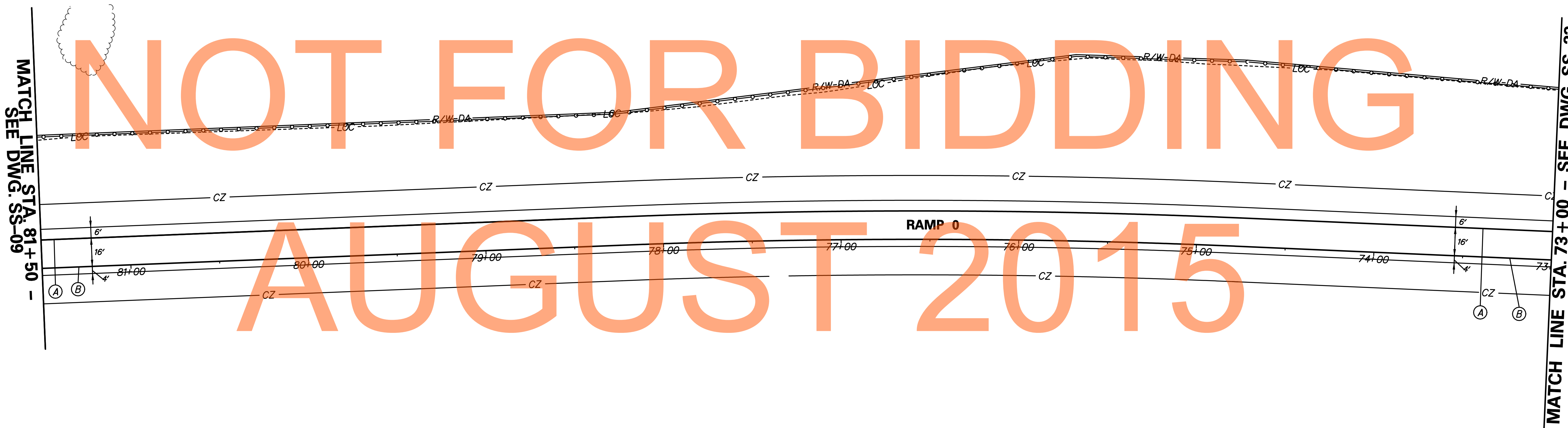
NOTES:

- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
- INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.

DRAFT

NOT FOR BIDDING

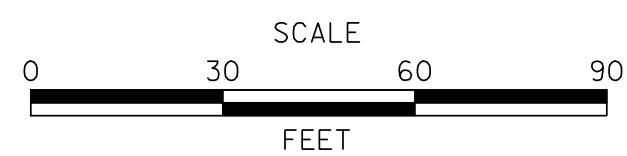
AUGUST 2015



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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

SS-25
SHEET NO. 814
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557 750 LF
		ITEM 748548 750 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)	750 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)	0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3" LINE & 9" GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)	0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10" LINE & 30" GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)	0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)	0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)	0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)	0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)	0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)	0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)	0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)	0 EA

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

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
☐	ITMS CABINET AND IDENTIFIER
☐	ITMS CONDUIT JUNCTION WELL
☐	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
☐	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
☐	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

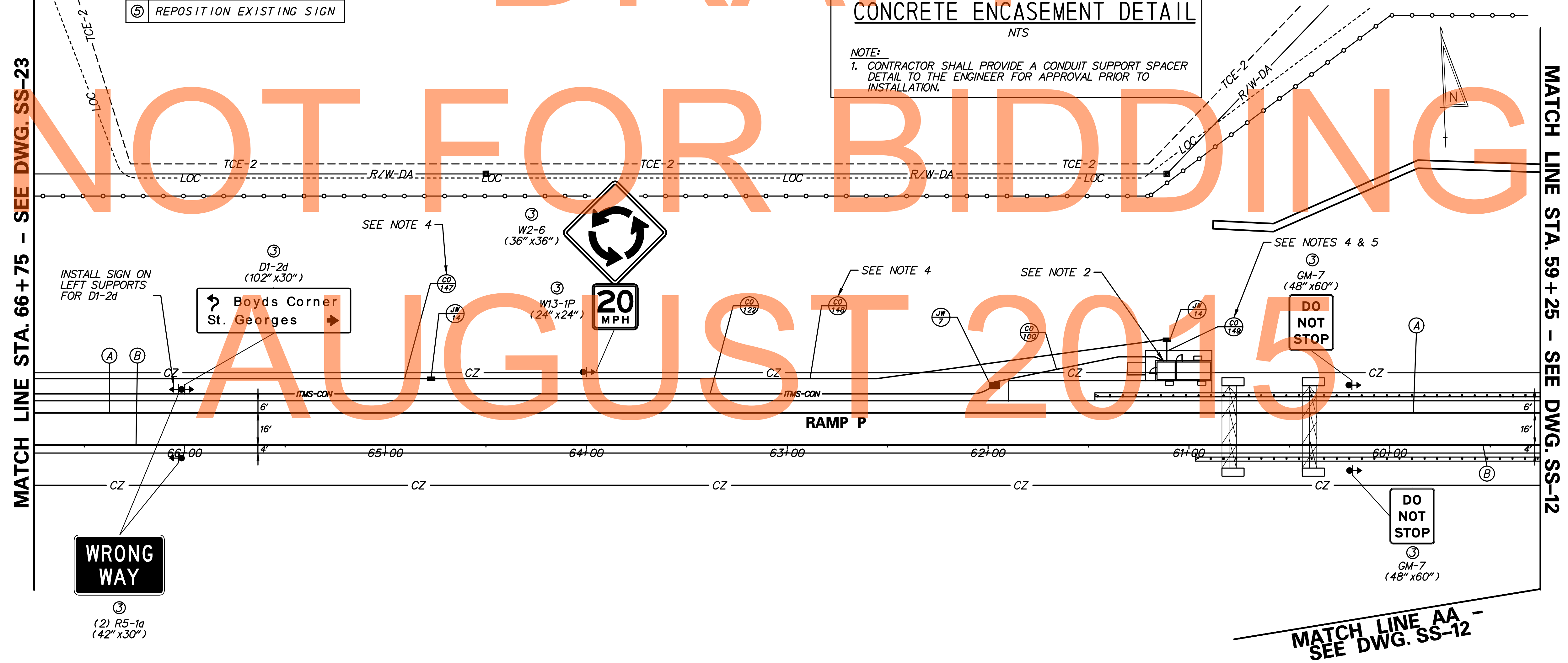
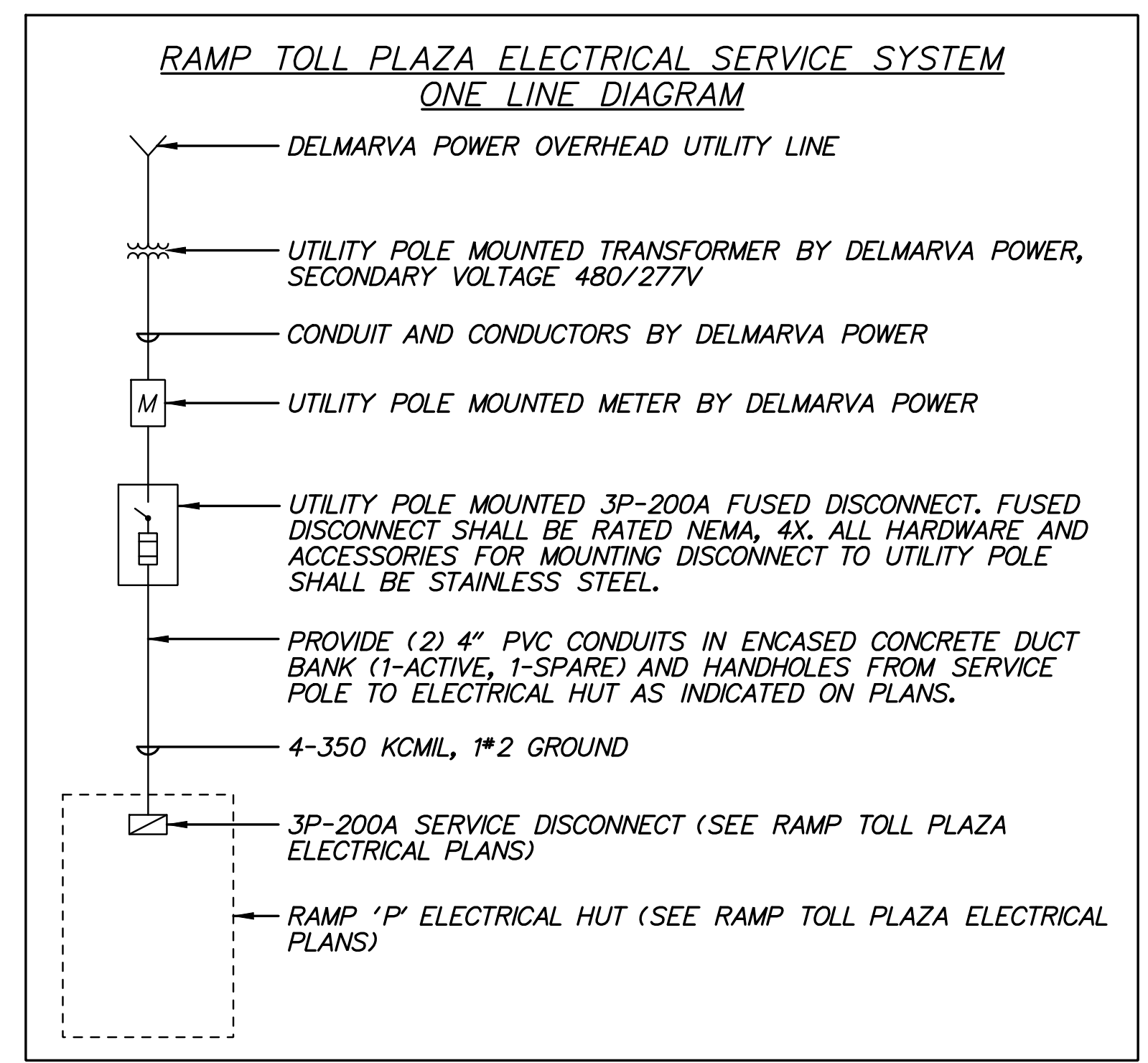
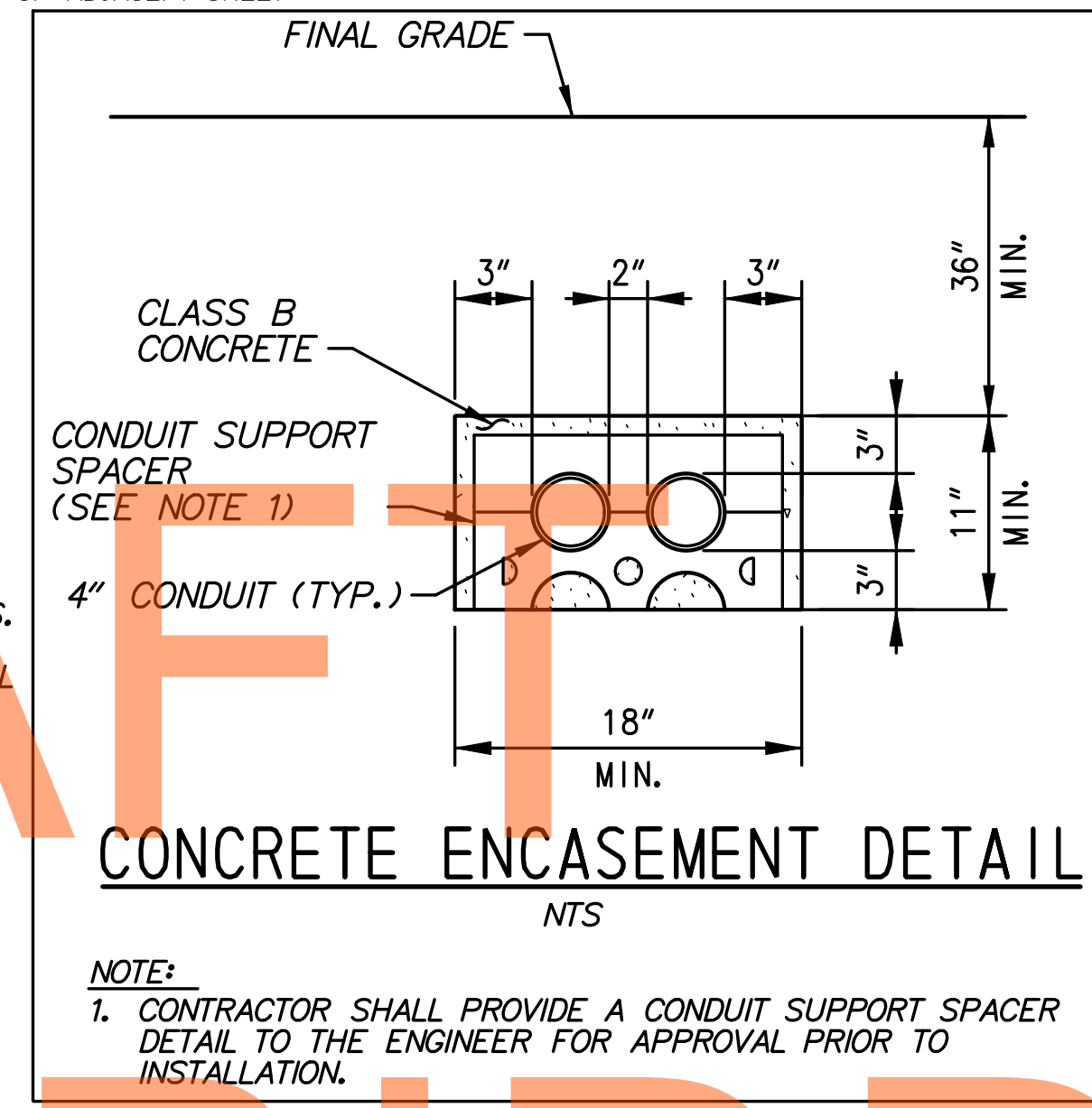
- NOTES:**
- INSTALL FLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - ITMS CONDUIT RUN TO TIE INTO PROPOSED 4.0" STUBOUT FROM RAMP TOLL PLAZA HUT. REFER TO RAMP TOLL PLAZA PLANS FOR DETAILS.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - CONDUITS TO BE INSTALLED IN CONCRETE ENCASED DUCT BANK, SEE DETAIL ON THIS SHEET.
 - ELECTRICAL SERVICE CONDUIT RUN TO TIE INTO PROPOSED (2) 4.0" STUBOUTS FROM RAMP TOLL PLAZA HUT. REFER TO RAMP TOLL PLAZA PLANS FOR DETAILS.
 - THE CONTRACTOR SHALL INSTALL ALL CONDUITS, JUNCTION WELLS AND ELECTRICAL CABLES REQUIRED FOR THE RAMP TOLL PLAZA ELECTRICAL SERVICE SYSTEM. ELECTRICAL CABLES FOR ITMS DEVICES SHALL BE SUPPLIED AND INSTALLED BY DELDOT FORCES.

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
100	1	4.0 IN	86 FT	T	COMMUNICATION CABLES
122	1	4.0 IN	570 FT**	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES
**QUANTITY CONTINUES ON ADJACENT SHEET

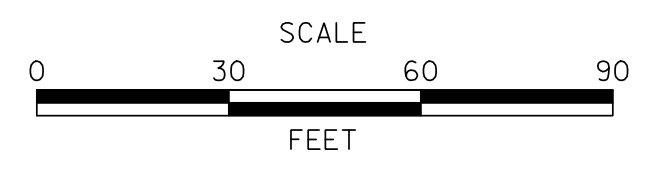
TOLL PLAZA ELECTRICAL SERVICE CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SEE NOTE 6)
147	1	4.0 IN	370 FT**	T	(4)*350 KCML, (1)*2 GROUND
148	1	4.0 IN	370 FT	T	EMPTY
149	1	4.0 IN	10 FT	T	(4)*350 KCML, (1)*2 GROUND
149	1	4.0 IN	10 FT	T	EMPTY

**QUANTITY CONTINUES ON ADJACENT SHEET



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ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

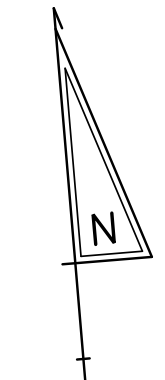
SS-26
SHEET NO. 815
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	QUANTITY	
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	900 LF
		ITEM 748548	900 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		900 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
	- ITMS CABINET AND IDENTIFIER
	- ITMS CONDUIT JUNCTION WELL
	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL /FUSED DISCONNECT SAFETY SWITCH
	- POLE BASE

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

NOTES:
 1. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 2. INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS	



US 301,
SR 896 TO SR 1

CONTRACT	BRIDGE NO.
T200911308	
COUNTY	DESIGNED BY: J.D.C.
NEW CASTLE	CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

SS-27
SHEET NO.
816
TOTAL SHTS.
875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	800 LF
		ITEM 748548	800 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		800 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		0 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

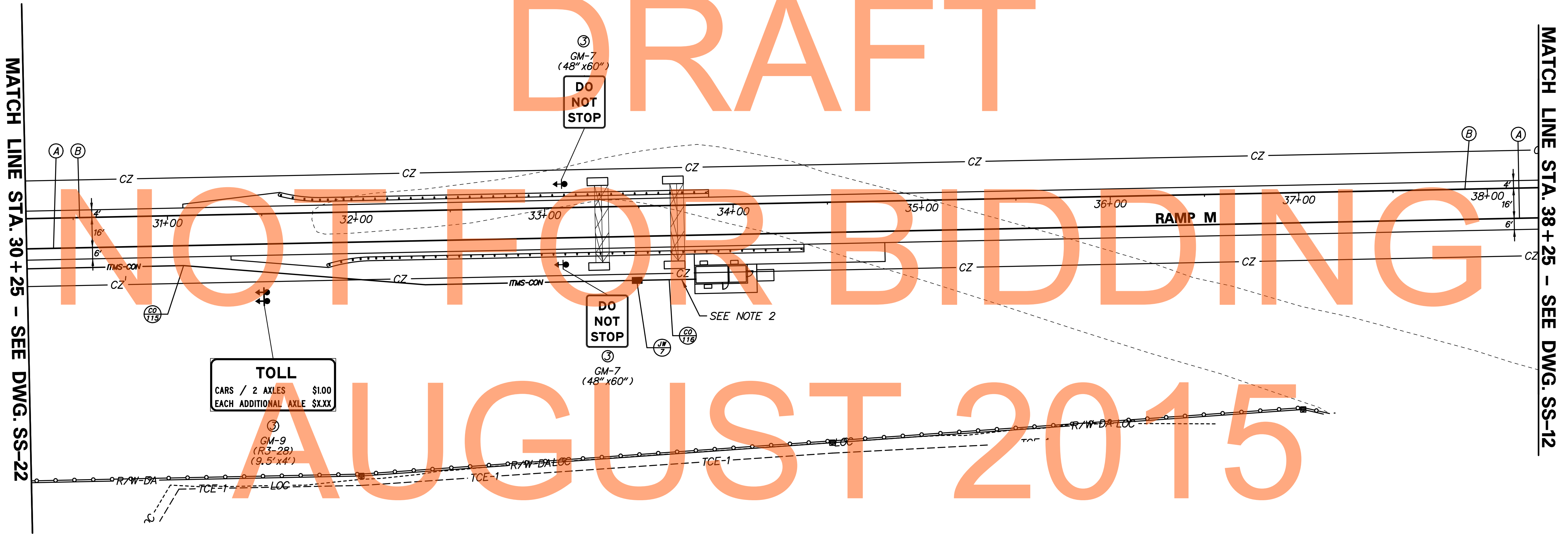
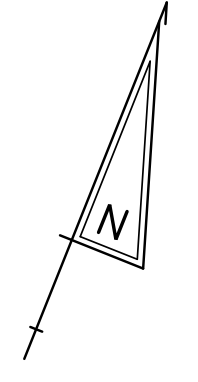
ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING)
	JUNCTION WELL IDENTIFIER (TYPE) (PROPOSED)
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING)
	CONDUIT RUN IDENTIFIER (# OF RUN) (PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING)
	POLE BASE IDENTIFIER (TYPE) (PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

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

ITMS CONDUIT RUN SCHEDULE					
CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/WIRE (SUPPLY AND INSTALLATION BY DELDOT FORCES)
115	1	4.0 IN	406 FT**	T	COMMUNICATION CABLES
116	1	4.0 IN	30 FT	T	COMMUNICATION CABLES

*DENOTES CONDUIT INSTALLED BY DELDOT FORCES
 **QUANTITY CONTINUES ON ADJACENT SHEET
 B = BORE, T = TRENCH, O = OPEN CUT

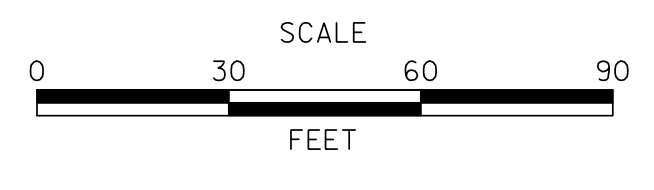
- NOTES:
- INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - ITMS CONDUIT RUN TO TIE INTO PROPOSED 4.0" STUBOUT FROM RAMP TOLL PLAZA HUT. REFER TO RAMP TOLL PLAZA PLANS FOR DETAILS.
 - INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS



US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

SIGNING, STRIPING
& CONDUIT PLAN

SS-28
SHEET NO.
817
TOTAL SHTS.
875

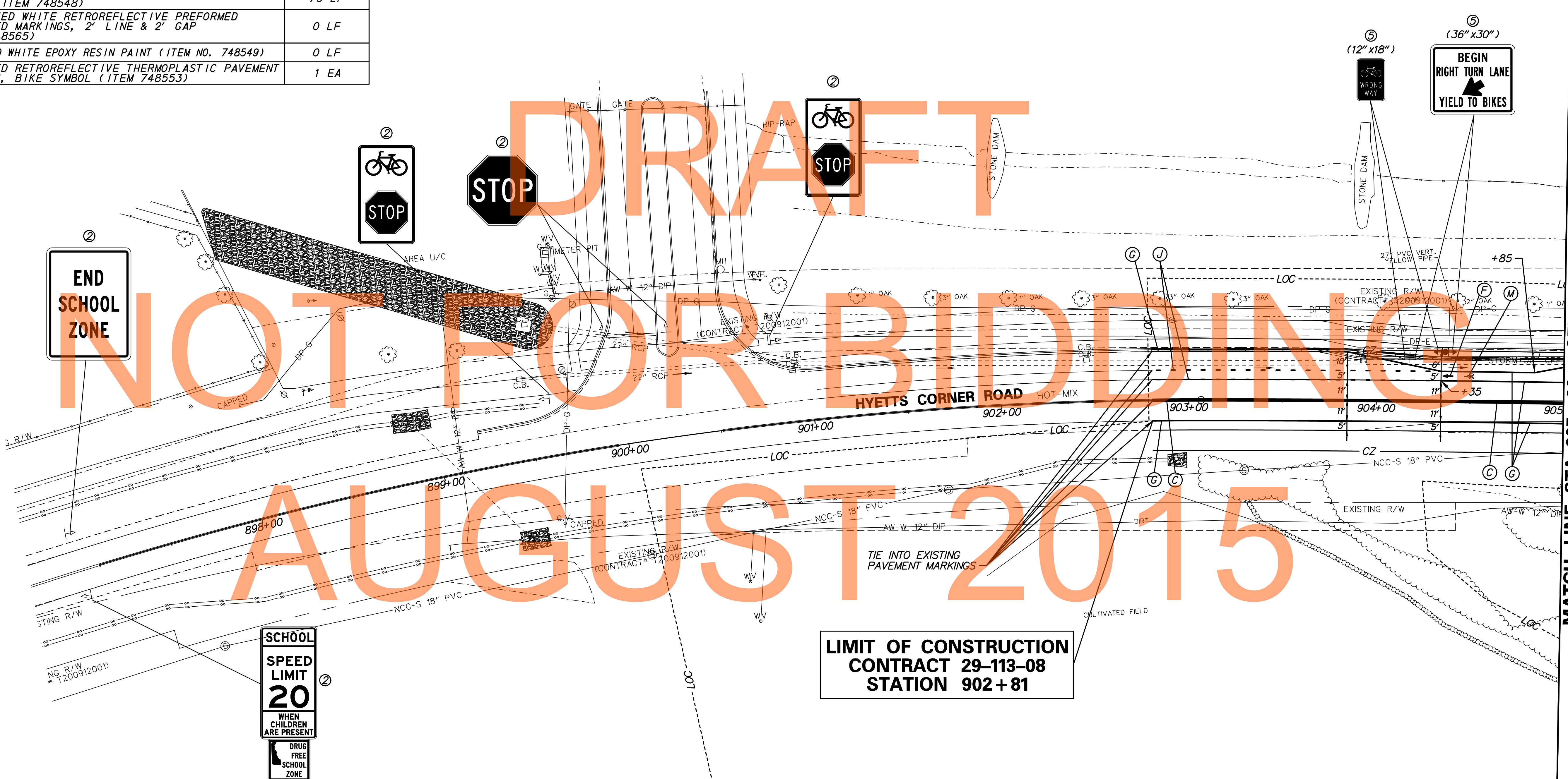
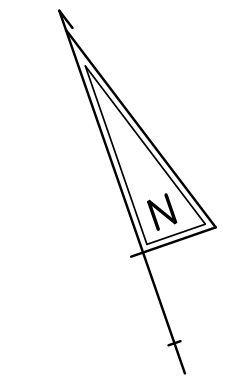
PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	0 LF
		ITEM 748548	0 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		440 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		6 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		505 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		76 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		1 EA

ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
	- ITMS CABINET AND IDENTIFIER
	- ITMS CONDUIT JUNCTION WELL
	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL / FUSED DISCONNECT SAFETY SWITCH
	- POLE BASE

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

NOTES:

1. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
2. INSTALL POST MOUNTED AND/OR ROADWAY BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



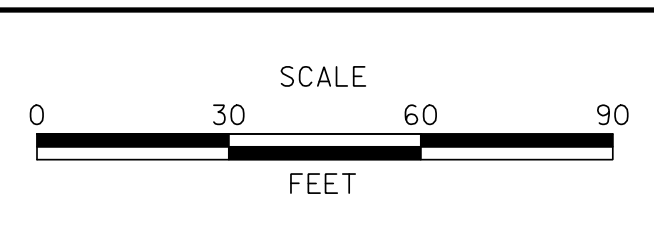
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AUGUST 2015

MATCH LINE STA. 905+00 - SEE DWG. SS-30

**LIMIT OF CONSTRUCTION
CONTRACT 29-113-08
STATION 902+81**

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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

**SIGNING, STRIPING
& CONDUIT PLAN**

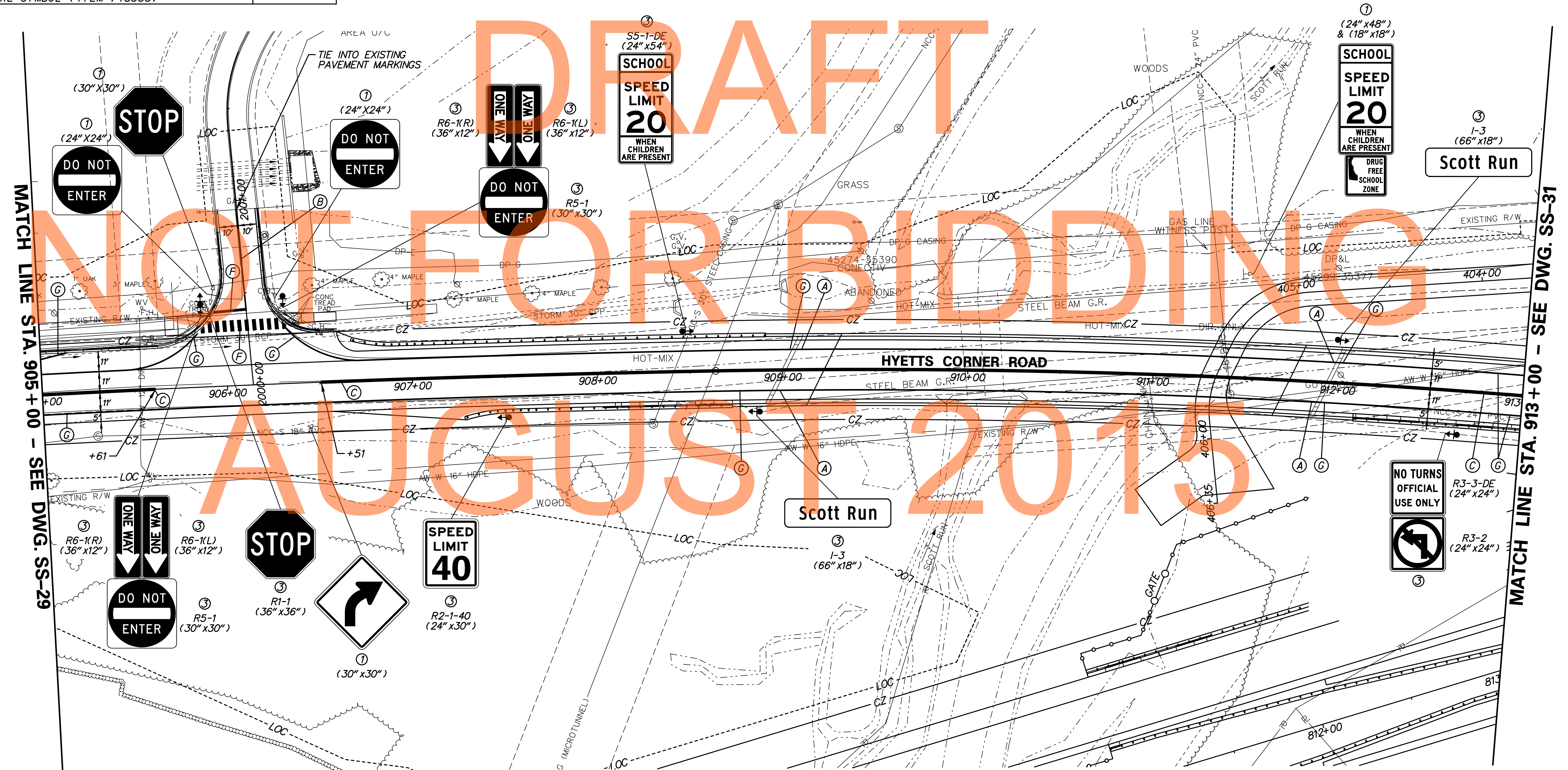
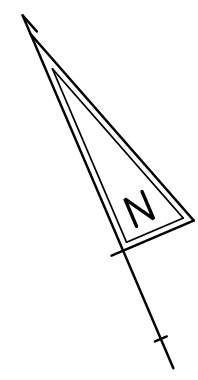
SS-29
SHEET NO. 818
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	590 LF
		ITEM 748548	590 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		55 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		1420 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		160 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		990 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
ITMS CABINET AND IDENTIFIER	
ITMS CONDUIT JUNCTION WELL	
JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)	
POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)	
PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH	
POLE BASE	

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

- NOTES:**
- SEE DWG. NO. SS-16 FOR PROPOSED SIGNING AND STRIPING ALONG US 301 IN THE VICINITY OF HYETTS CORNER ROAD.
 - ALL CROSSWALK SYMBOLS SHOWN ON THIS PLAN SHALL BE 2' WIDE BY 6' LONG WITH 2' SPACING BETWEEN SYMBOLS.
 - INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.
 - ALL STOP LINES SHALL BE 16" WIDE.

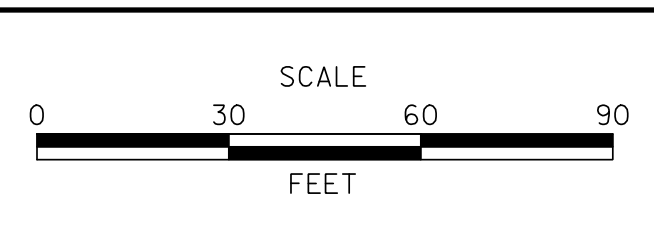


MATCH LINE STA. 905+00 - SEE DWG. SS-29

MATCH LINE STA. 913+00 - SEE DWG. SS-31

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ADDENDUMS / REVISIONS



US 301, SR 896 TO SR 1

CONTRACT	T200911308	BRIDGE NO.	1-6 (I-458)
COUNTY	NEW CASTLE	DESIGNED BY:	J.D.C.
		CHECKED BY:	J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

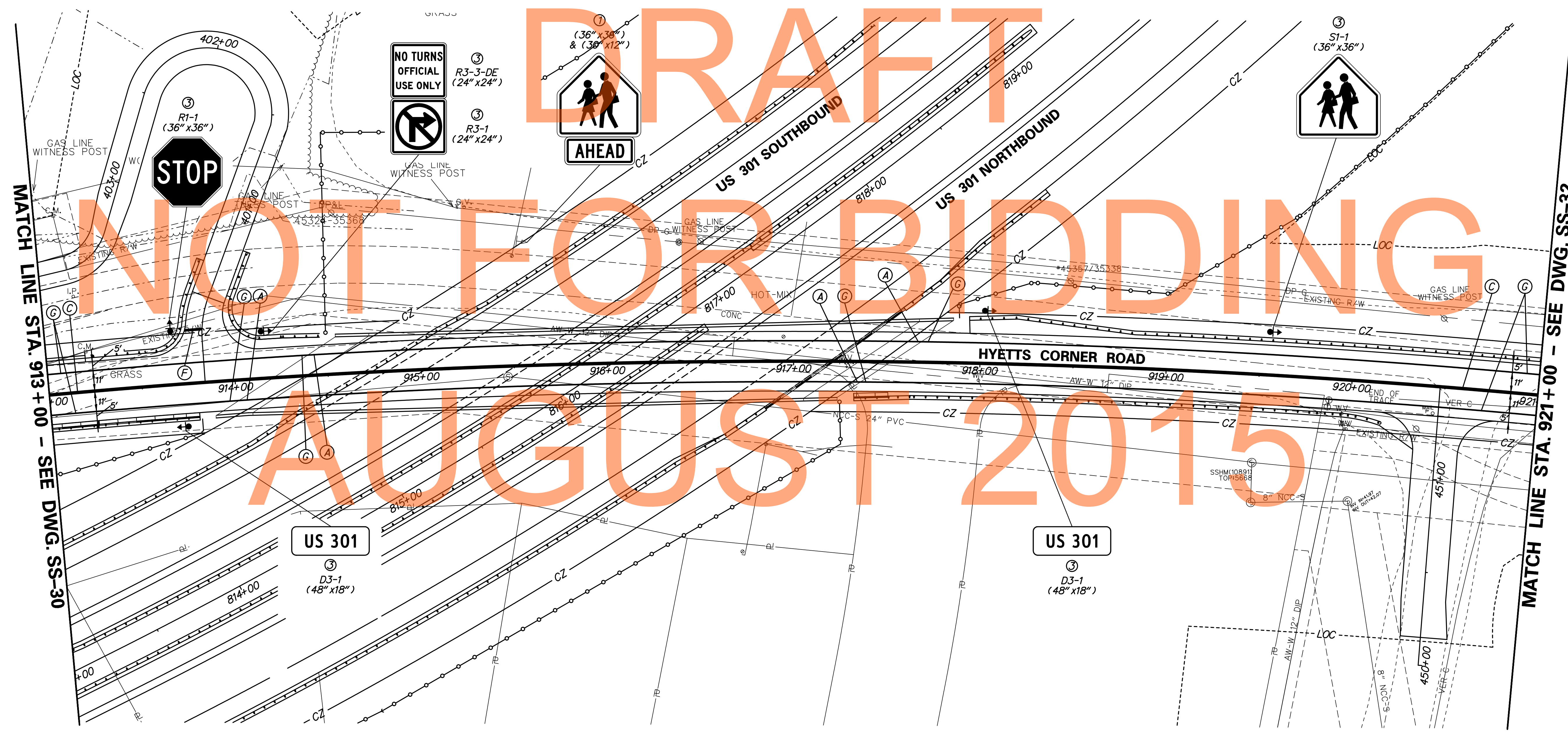
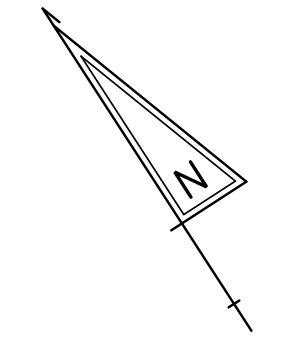
SS-30	
SHEET NO.	819
TOTAL SHTS.	875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	670 LF
		ITEM 748548	670 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		1600 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3" LINE & 9" GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10" LINE & 30" GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		13 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		930 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
	ITMS CABINET AND IDENTIFIER
	ITMS CONDUIT JUNCTION WELL
	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	POLE BASE

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

- NOTES:**
- SEE DWG. NO. SS-16 FOR PROPOSED SIGNING AND STRIPING ALONG US 301 IN THE VICINITY OF HYETTS CORNER ROAD.
 - INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 - ALL STOP LINES SHALL BE 16" WIDE.
 - INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



MATCH LINE STA. 913+00 - SEE DWG. SS-30

MATCH LINE STA. 921+00 - SEE DWG. SS-32

DRAFT

NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT	BRIDGE NO.	1-5 (I-436A)
T200911308	DESIGNED BY:	J.D.C.
COUNTY	CHECKED BY:	J.M.M.
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN	SHEET NO.	820
	TOTAL SHTS.	875

SS-31

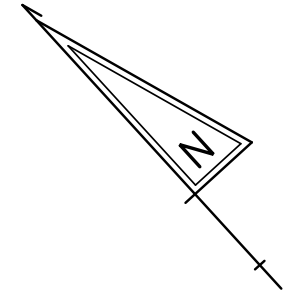
PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	QUANTITY	
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	0 LF
		ITEM 748548	0 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		1300 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		1300 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	- PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	- EXISTING ITMS CONDUIT
	- ITMS CABINET AND IDENTIFIER
	- ITMS CONDUIT JUNCTION WELL
	- JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
	- POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
	- PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
	- POLE BASE

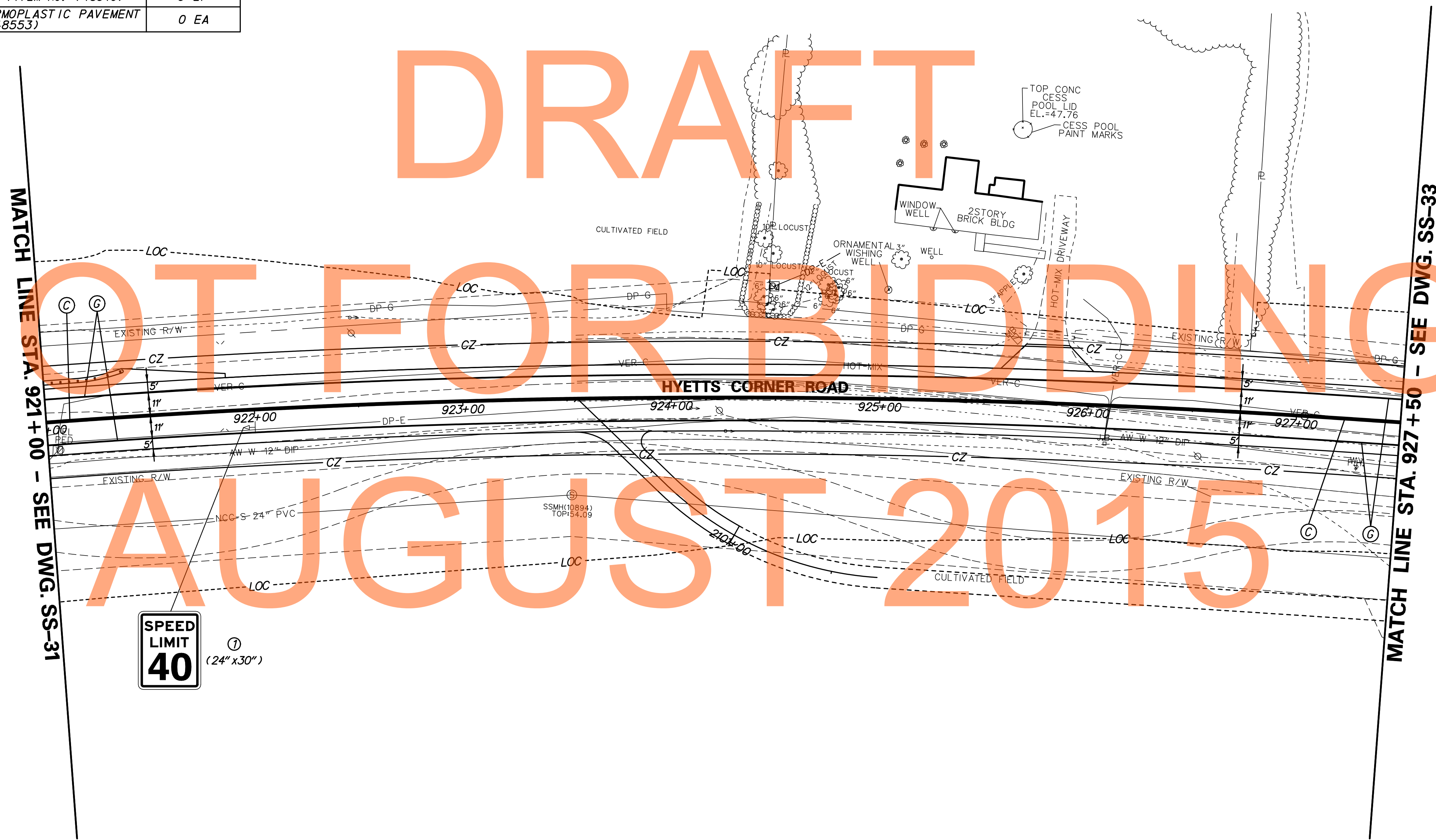
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

NOTES:

1. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
2. INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



DRAFT
NOT FOR BIDDING
AUGUST 2015



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



**US 301,
SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

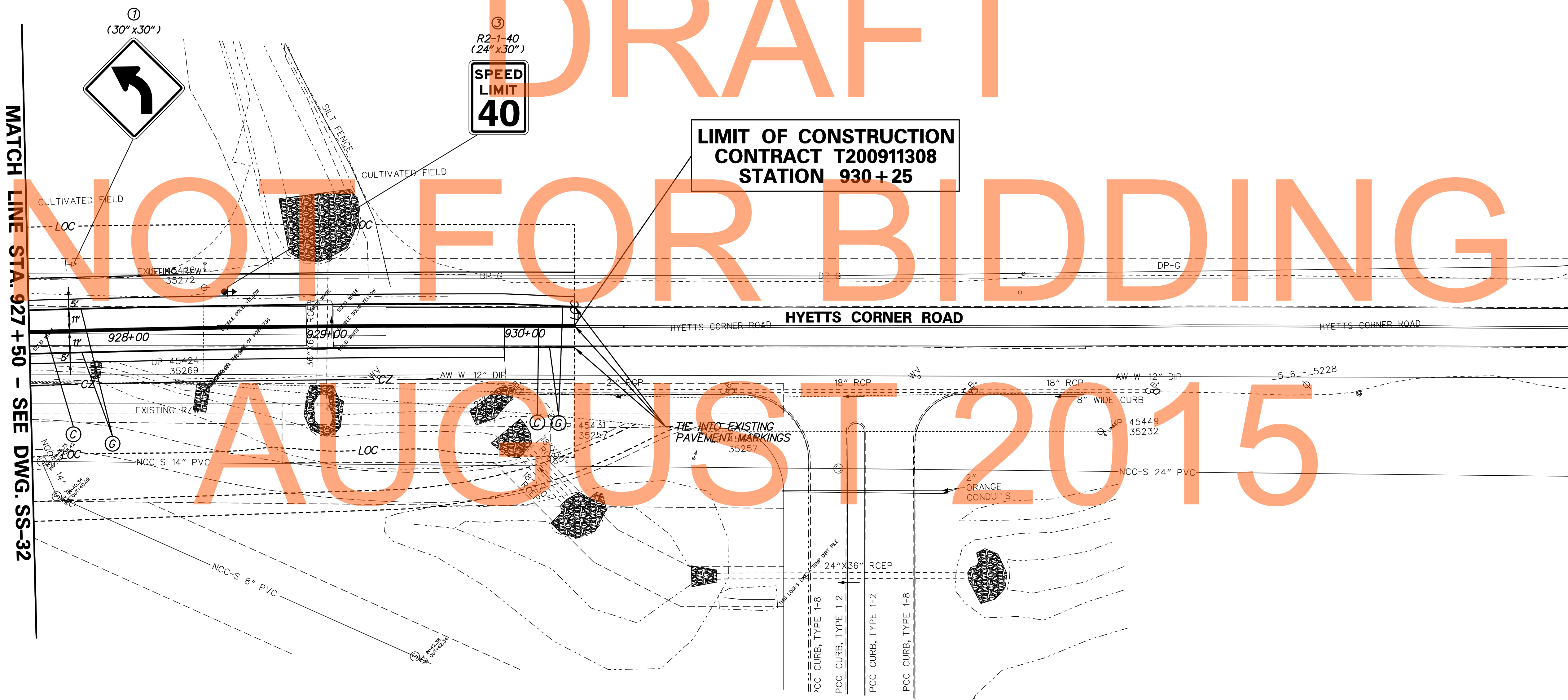
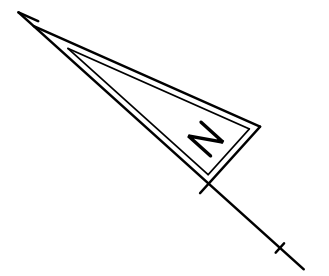
SS-32
SHEET NO. 821
TOTAL SHTS. 875

PAVEMENT MARKINGS LEGEND			
SYMBOL	ITEM	ITEM	QUANTITY
A	8" SOLID WHITE CONTRAST EPOXY RESIN PAINT, 3" BLACK, 5" WHITE	ITEM 748557	0 LF
		ITEM 748548	0 LF
B	5" SOLID YELLOW EPOXY RESIN PAINT (ITEM 748548)		0 LF
C	5" SOLID DOUBLE YELLOW EPOXY RESIN PAINT (ITEM 748548)		550 LF
D	13" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 3' LINE & 9' GAP, 1.5" BLACK, 10" WHITE, 1.5" BLACK (ITEM 748567)		0 LF
E	8" BROKEN WHITE RETROREFLECTIVE PREFORMED PATTERNED CONTRAST PAVEMENT STRIPING, 10' LINE & 30' GAP, 1.5" BLACK, 5" WHITE, 1.5" BLACK (ITEM 748566)		0 LF
F	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 748015)		0 SF
G	5" SOLID WHITE EPOXY RESIN PAINT (ITEM 748548)		550 LF
H	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748513)		0 LF
J	5" DOTTED WHITE EPOXY RESIN PAINT, 2' LINE & 6' GAP (ITEM 748548)		0 LF
K	10" DOTTED WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, 2' LINE & 2' GAP (ITEM 748565)		0 LF
L	10" SOLID WHITE EPOXY RESIN PAINT (ITEM NO. 748549)		0 LF
M	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL (ITEM 748553)		0 EA

ITMS LEGEND	
ITMS-CON	PROPOSED MULTIDUCT ITMS CONDUIT
EX-ITS	EXISTING ITMS CONDUIT
■	ITMS CABINET AND IDENTIFIER
■	ITMS CONDUIT JUNCTION WELL
⊗	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
⊗	CONDUIT RUN IDENTIFIER (# OF RUN) (EXISTING AND PROPOSED)
⊗	POLE BASE IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
P	PROPOSED ELECTRICAL SERVICE ON PEDESTAL/FUSED DISCONNECT SAFETY SWITCH
●	POLE BASE

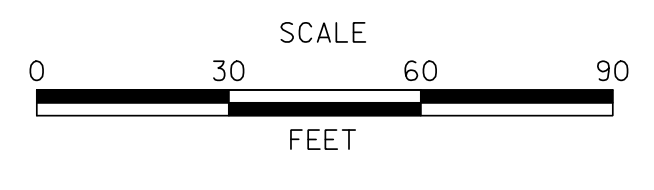
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

NOTES:
 1. INSTALL PLOWABLE RAISED PAVEMENT MARKERS ALONG THE LIMITS OF THE PROPOSED PAVEMENT STRIPING AS PER CHAPTER 3B OF THE DELDOT MUTCD, AS APPLICABLE.
 2. INSTALL POST MOUNTED AND/OR ROADSIDE BARRIER MOUNTED DELINEATORS ALONG THE LIMITS OF THE PROPOSED CONSTRUCTION AS PER CHAPTER 3F OF THE DELDOT MUTCD.



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ADDENDUMS / REVISIONS



**US 301,
 SR 896 TO SR 1**

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN

SS-33
SHEET NO. 822
TOTAL SHTS. 875

PANEL DESIGNATION	DWG. NO.	QUANTITY	LEGEND	SIZE			COLOR			BORDER			ARROW	SHEILD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BACKGRND	THICKNESS	RADIUS					
GM-1, GM-12	SS-03, SS-19	2		23.75	9'-6"	2'-6"	W	G	2"	6"	---	---	EXTRUDED ALUMINUM		
				23.75	9'-6"	2'-6"	W	G	2"	6"	---	---	EXTRUDED ALUMINUM		
				23.75	9'-6"	2'-6"	W	G	2"	6"	---	---	EXTRUDED ALUMINUM		
				140	14'-0"	10'-0"	W	G	2"	12"	STD. UP ARROW @45°	---	EXTRUDED ALUMINUM		
GM-3, GM-14	SS-09, SS-12	2		32.5	6'-6"	5'-0"	W	G	2"	6"	STD. UP ARROW @45°	---	EXTRUDED ALUMINUM		

PANEL DESIGNATION	DWG. NO.	QUANTITY	LEGEND	SIZE			COLOR			BORDER			ARROW	SHEILD	REMARKS
				AREA	WIDTH	HEIGHT	LEGEND	BACKGRND	THICKNESS	RADIUS					
GM-4	SS-11, SS-21, SS-22, SS-23	12		3	24"	18"	BLK	W	.625"	1.5"	---	---	SHEET ALUMINUM		
GM-5, GM-6	SS-13, SS-22	2		77	14'-0"	5'-6"	BLK	W	2"	9"	---	---	EXTRUDED ALUMINUM		
GM-7	SS-26, SS-28	4		20	48"	60"	BLK	W	.875"	3"	---	---	SHEET ALUMINUM		
GM-8, GM-9	SS-12, SS-28	2		38	9.5'	4'	BLK	W	1.5"	6"	---	---	EXTRUDED ALUMINUM. R3-28. CONTRACTOR SHALL COORDINATE WITH DELDOT FOR CURRENT TOLL RATE.		

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COLORS: BLK=BLACK, BLU=BLUE, BRO=BROWN, G=GREEN, R=RED, W=WHITE, Y=YELLOW, FY=FLUORESCENT YELLOW, FYG=FLUORESCENT YELLOW GREEN, PUR=PURPLE.

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C.
	CHECKED BY: J.M.M.

SIGNING, STRIPING & CONDUIT PLAN - GUIDE SIGN DIMENSIONS AND DETAILS

GUIDE SIGN STEEL SUPPORT CHART

SIGN NO.	SIGN SIZE (WXH)	SHEET NO.	POST SIZE	SUPPORT L-1	SUPPORT L-2	SUPPORT L-3	LATERAL CLEARANCE		SUPPORT SPACING FROM LEFT EDGE OF SIGN
							OFFSET	OBJECT**	
GM-1	14'x9' & 9.5'x2.5'	SS-03	W10x22	18'-0"	22'-0"	-	6.0'	ES	2.8'-8.4'-2.8'
GM-2	14'x9' & 9.5'x2.5'	SS-06	W10x22	18'-0"	22'-0"	-	6.0'	ES	2.8'-8.4'-2.8'
GM-3	6.5'x5'	SS-09	W8x21	13'-6"	-	-	6.67'/6.67'	CG (ES/ES)	3.25'-3.25'
GM-5	14'x5.5'	SS-13	W8x18	14'-6"	16'-0"	-	6.0'	ES	2.8'-8.4'-2.8'
GM-6	14'x5.5'	SS-22	W8x18	14'-6"	17'-0"	-	6.0'	ES	2.8'-8.4'-2.8'
GM-8	9.5'x4'	SS-12	W6x12	12'-6"	14'-0"	-	6.0'	ES	1'-7.5'-1'
GM-9	9.5'x4'	SS-28	W6x9	12'-0"	13'-6"	-	6.0'	ES	1'-7.5'-1'
GM-12	14'x9' & 9.5'x2.5'	SS-19	W10x22	18'-0"	22'-0"	-	6.0'	ES	2.8'-8.4'-2.8'
GM-13	14'x9' & 9.5'x2.5'	SS-16	W10x22	18'-0"	22'-0"	-	6.0'	W	2.8'-8.4'-2.8'
GM-14	6.5'x5'	SS-12	W8x21	14'-6"	-	-	9.75'/8.42'	CG (ES/ES)	3.25'-3.25'

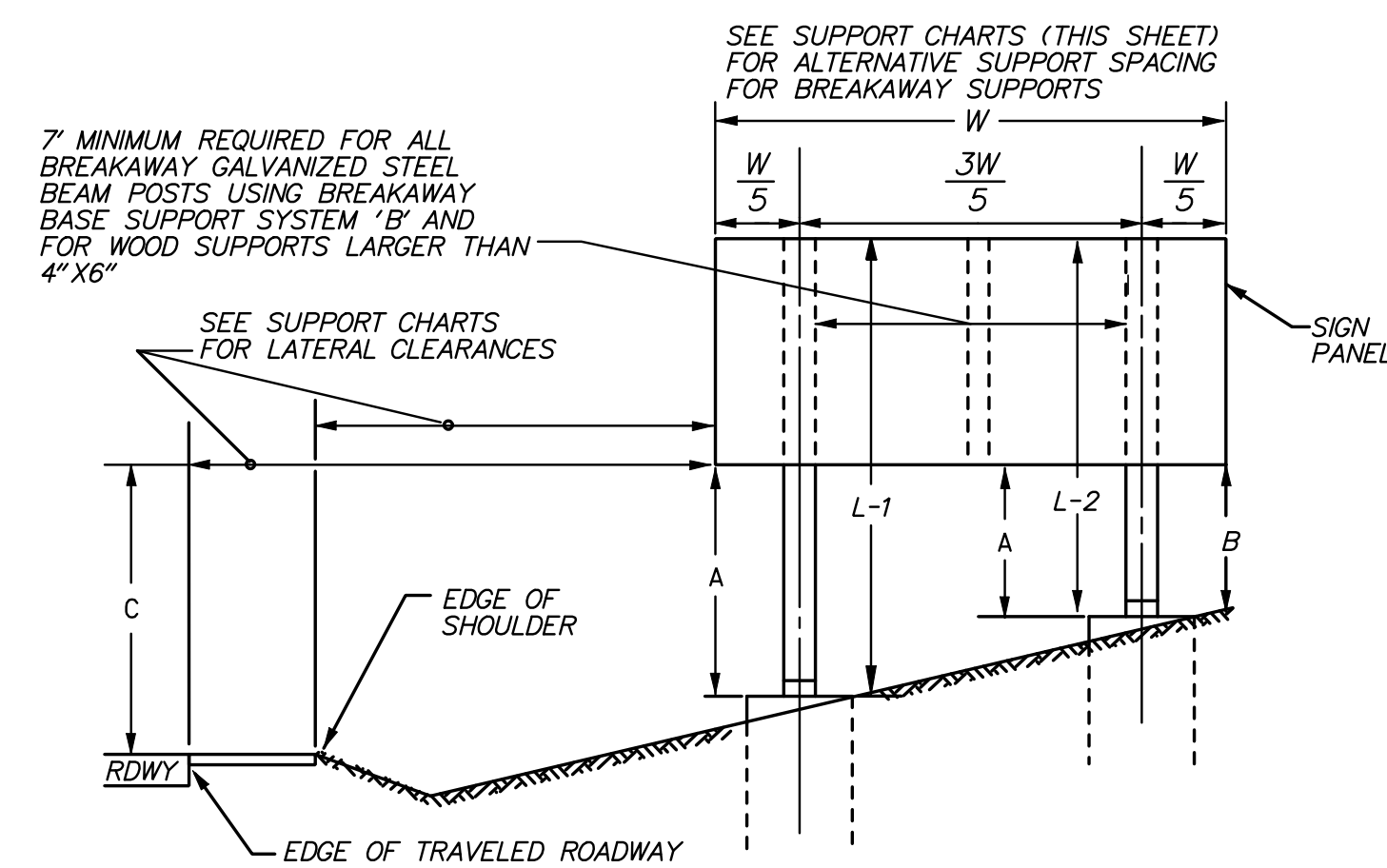
- NOTES:
- WHEN SPACING BETWEEN STEEL BEAM SUPPORTS IS GREATER THAN 8'-0" INSTALL DOUBLE ALUMINUM ANGLES (2) 1/2" x 3 1/2" x 1/4" FROM TOP TO BOTTOM OF SIGN WITH POST CLIPS INSTALLED AT EACH EXTRUDED ALUMINUM PANEL. COST TO FURNISH AND INSTALL ALUMINUM ANGLES SHALL BE INCIDENTAL TO THE GROUND MOUNT BREAKAWAY TYPE SIGN SUPPORTS AND FOUNDATIONS ITEM.
 - A MINIMUM 7'-0" FROM INSIDE OF FLANGE TO INSIDE OF FLANGE SHALL BE MAINTAINED BETWEEN ALL STEEL BEAM SIGN SUPPORTS LARGER THAN W6X9.
 - ALL STEEL BEAM SIGN SUPPORTS SHALL BE MOUNTED ON BREAKAWAY BASES REGARDLESS OF WHETHER PROTECTED BY TRAFFIC BARRIER OR UNPROTECTED. BREAKAWAY BASE SUPPORT SYSTEMS SHALL BE TRANSPRO INDUSTRIES OR APPROVED EQUAL.
 - STEEL SUPPORTS DESIGNED FOR 90 MPH WIND SPEED AND 25 YEAR DESIGN LIFE USING ASTM A709 GRADE 36 STEEL BEAM SUPPORTS.

FOUNDATION SELECTION MATRIX

POST SIZE	FOUNDATION DIAMETER	ROADWAY CUT / FILL SLOPE											
		2:1	3:1	4:1	5:1	6:1	7:1	8:1	9:1	10:1	12:1	13:1	
W6x9	30"	*	C	C	C	C	C	B	B	B	A	A	A
W6x12 or TS 5"x5"x1/4"	30"	*	C	C	C	C	B	B	B	A	A	A	A
W6x15, W6x16 or TS 6"x6"x 1/4"	30"	*	C	C	C	C	B	B	B	A	A	A	A
W8x18	30"	*	C	C	C	C	B	B	B	A	A	A	A
W8x21 or TS 7"x7"x1/4"	30"	*	C	C	C	C	B	B	B	A	A	A	A
W10x22 or TS 8"x8"x1/4"	36"	*	C	C	C	C	B	B	B	A	A	A	A
W10x26	36"	*	C	C	C	C	B	B	B	A	A	A	A
W12x26	36"	*	C	C	C	C	B	B	B	A	A	A	A
W14x30	36"	*	C	C	C	C	B	B	B	A	A	A	A
W16x31	36"	*	C	C	C	C	B	B	B	A	A	A	A
W18x35 or W18x40	36"	*	C	C	C	C	B	B	B	A	A	A	A
W21x44	42"	*	C	C	C	C	B	B	B	A	A	A	A

* IF A FOUNDATION EXCEEDS THE 4" AASHTO CRITERIA, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROPRIATE GUIDANCE.

SIGN CLEARANCE



VERTICAL CLEARANCE OF SIGNS

- 7'-6" MINIMUM FOR BREAKAWAY SUPPORTS OR 7'-0" FOR NON-BREAKAWAY SUPPORTS.
 - 2'-6" MINIMUM
 - 7'-6" MINIMUM & PREFERABLE. THIS DIMENSION IS TO BE INCREASED ONLY WHEN REQUIRED TO MEET A = 7'-6" FOR BREAKAWAY OR A (MIN.) = 7'-0" FOR NON-BREAKAWAY AND B (MIN) 2'-0"
- ALL DIMENSIONS ARE TO BOTTOM OF SIGN

**TOTAL WEIGHT BELOW THE HINGES SHOULD BE LESS THAN 600 POUNDS

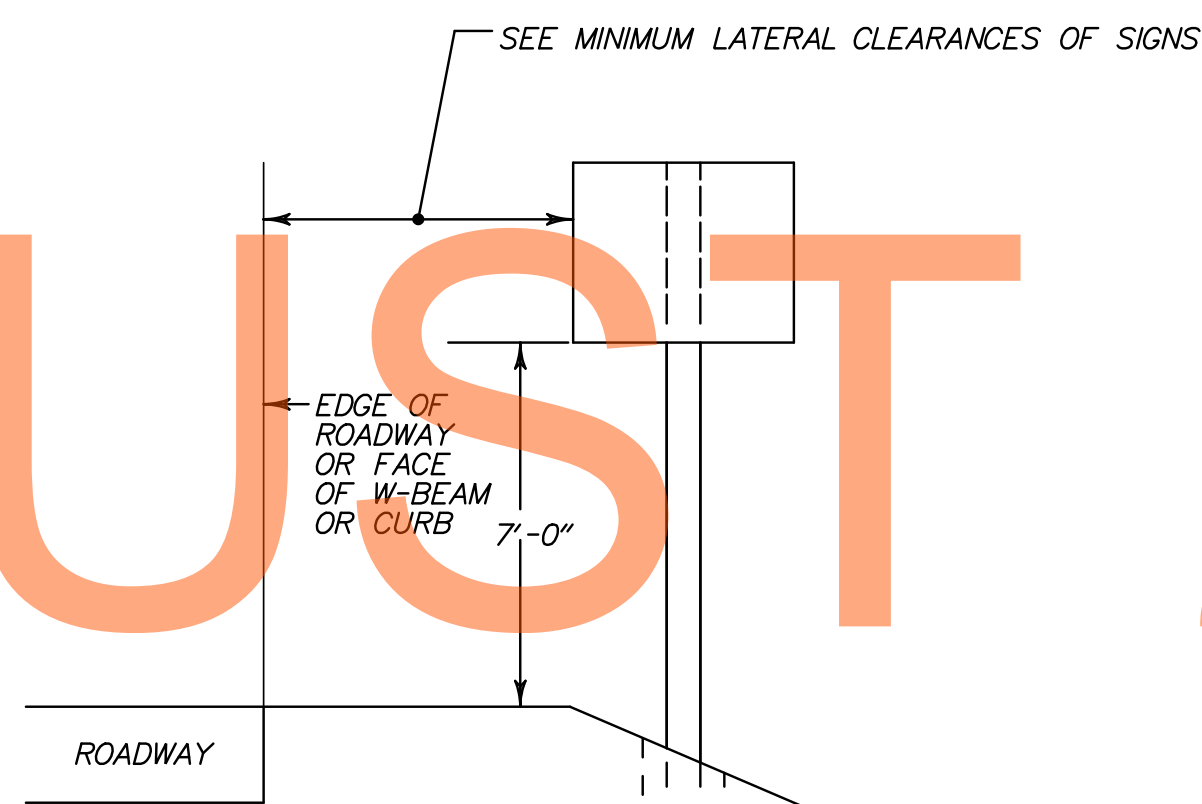
LATERAL CLEARANCE

SEE SUPPORT CHARTS

***OBJECT CODES

- W = FACE OF W-BEAM TRAFFIC BARRIER
- FOC = FACE OF CURB
- ES = EDGE OF SHOULDER
- ETR = EDGE OF TRAVELED ROADWAY
- CM = CENTERED IN MEDIAN (LEFT OBJECT/ RIGHT OBJECT)
- CG = CENTERED IN GORE (LEFT OBJECT/ RIGHT OBJECT)
- B = FACE OF CONCRETE TRAFFIC BARRIER

STANDARD SIGN VERTICAL AND LATERAL CLEARANCE DETAIL

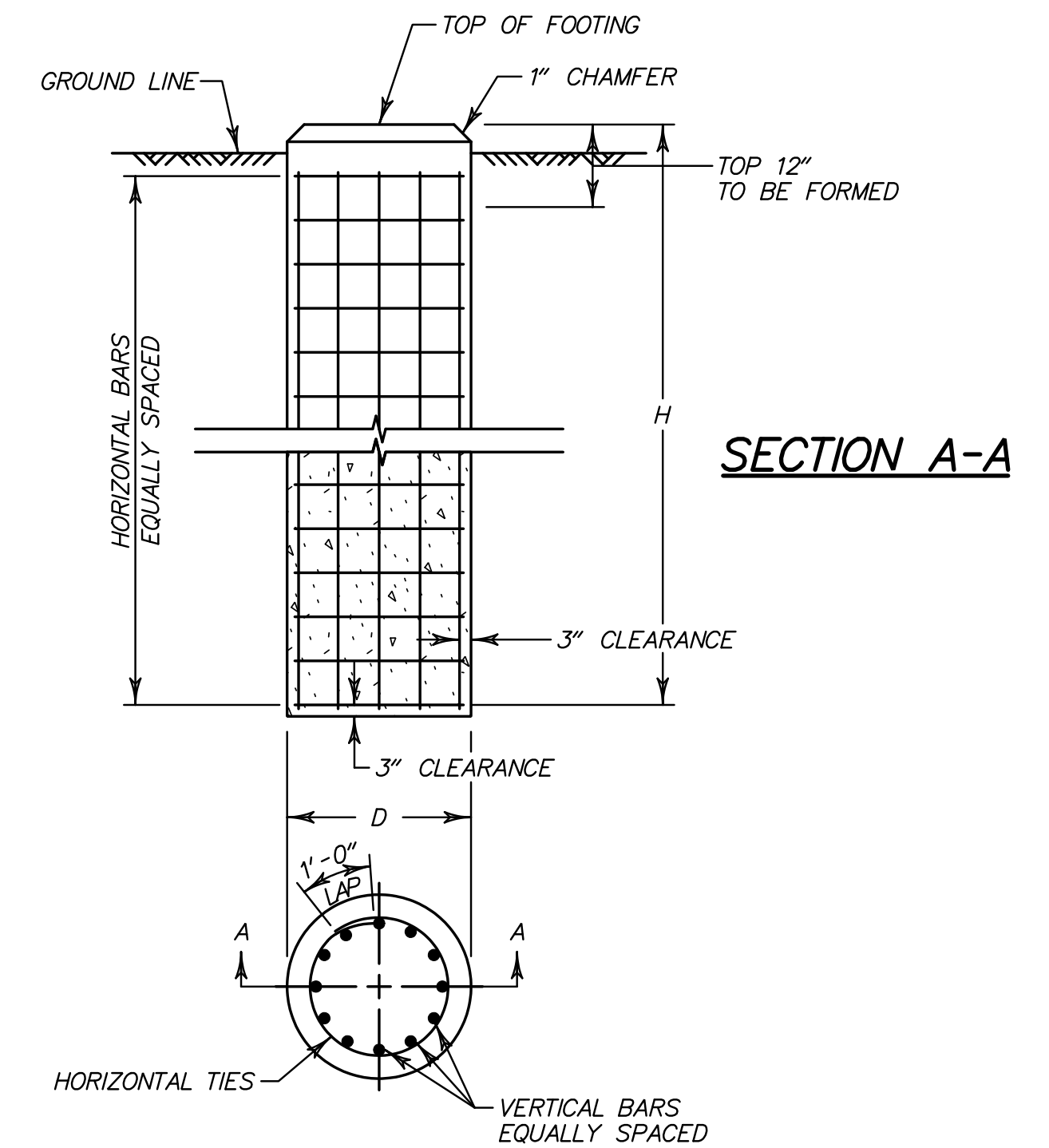


MINIMUM LATERAL CLEARANCE OF SIGNS:

- = EDGE OF SIGN 6' FROM FACE OF W-BEAM TRAFFIC BARRIER
- = EDGE OF SIGN 6' FROM EDGE OF SHOULDER
- = EDGE OF SIGN 6' PREFERABLE MIN. (2' ABSOLUTE MIN.) FROM EACH EDGE OF SHOULDER IN MEDIAN OR CURB

NOTE: ALL SUPPORTS WITHIN THE CLEAR ZONE SHALL BE BREAKAWAY UNLESS PROTECTED BY TRAFFIC BARRIER, EXCEPT AS NOTED ABOVE FOR STEEL SUPPORTS.

GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL



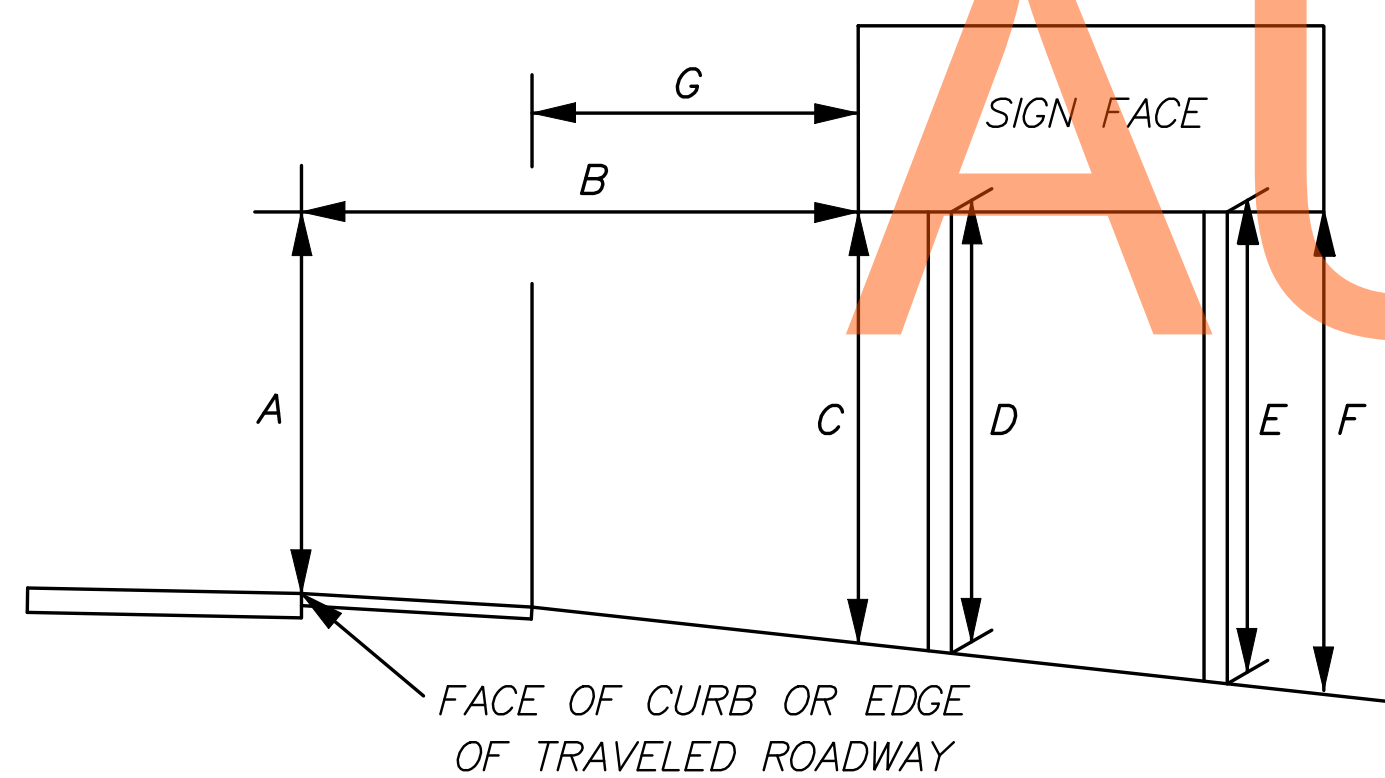
FOUNDATION DATA TABLE

POST SIZE	D	H	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE REQUIRED (CY)
W6x9	30"	6'-0"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.1
W6x12 OR TS-5x5x1/4	30"	6'-0"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.1
W6x15, W6x16 OR TS-6x6x1/4	30"	6'-6"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.2
W8x18	30"	7'-6"	EIGHT (8)-NO. 9	EIGHT (8)-NO. 4	1.4
W8x21 OR TS-7x7x1/4	30"	8'-0"	EIGHT (8)-NO. 9	NINE (9)-NO. 4	1.5
W10x22 OR TS-8x8x5/16	36"	8'-6"	EIGHT (8)-NO. 10	NINE (9)-NO. 4	2.3
W10x26	36"	9'-0"	EIGHT (8)-NO. 10	TEN (10)-NO. 4	2.4
W12x26	36"	10'-0"	EIGHT (8)-NO. 10	ELEVEN (11)-NO. 4	2.7
W14x30	36"	11'-0"	EIGHT (8)-NO. 10	TWELVE (12)-NO. 4	2.9
W16x31	36"	12'-0"	EIGHT (8)-NO. 10	THIRTEEN (13)-NO. 4	3.2
W18x35 OR W18x40	36"	13'-0"	EIGHT (8)-NO. 10	FOURTEEN (14)-NO. 4	3.5
W21x44	42"	12'-0"	TWELVE (12)-NO. 10	THIRTEEN (13)-NO. 4	4.3

STEEL POST BREAKAWAY SYSTEM SELECTION CHART

SYSTEM TYPE	ASSOCIATED POST SIZE
A16	W6X9
B525	W6X12, W6X15, W6X16, W8X18, W8X21, 5" X 5" & 6" X 6" SQUARE
B650	7" X 7" AND 8" X 8" SQUARE AND ALL I-BEAMS LARGER THAN W8X21

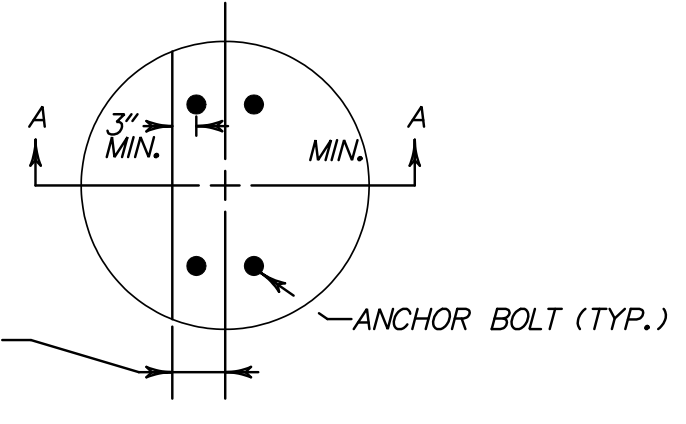
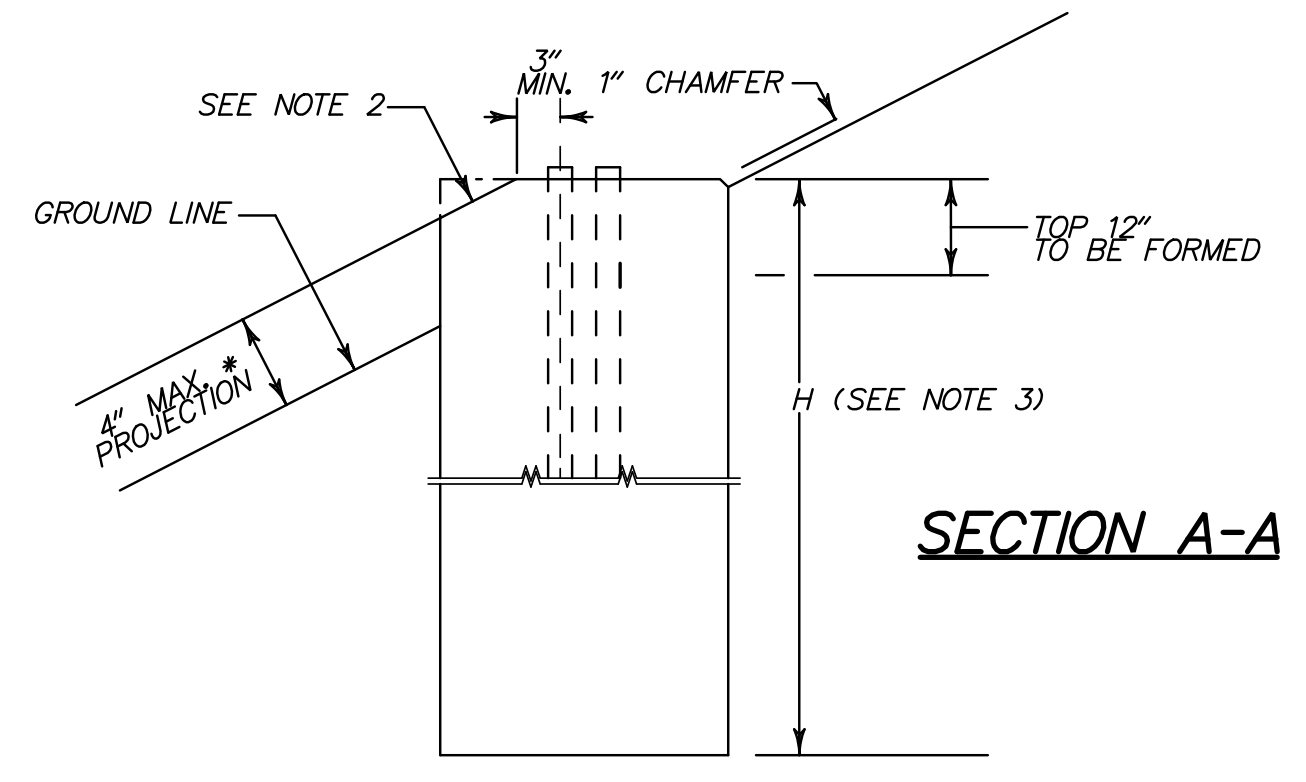
SIGN STAKEOUT DIMENSIONS



NOTE: CONTRACTOR SHALL COMPLETE SIGN STAKEOUT AND DETERMINE EXACT STEEL SIGN SUPPORT LENGTHS. STAKEOUT DIMENSIONS AND STEEL SIGN SUPPORT LENGTHS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF STEEL SIGN SUPPORTS.

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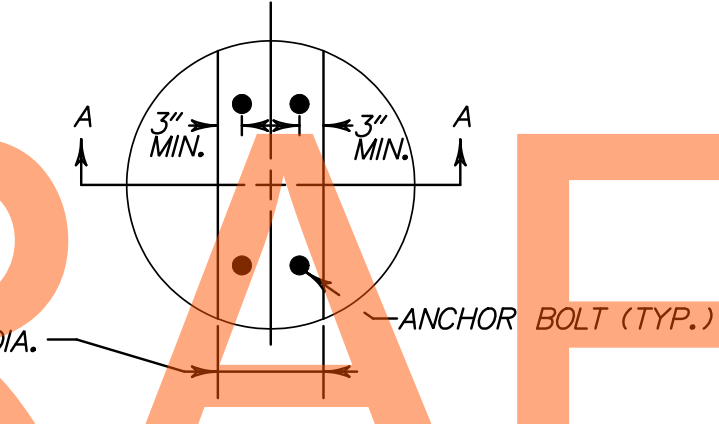
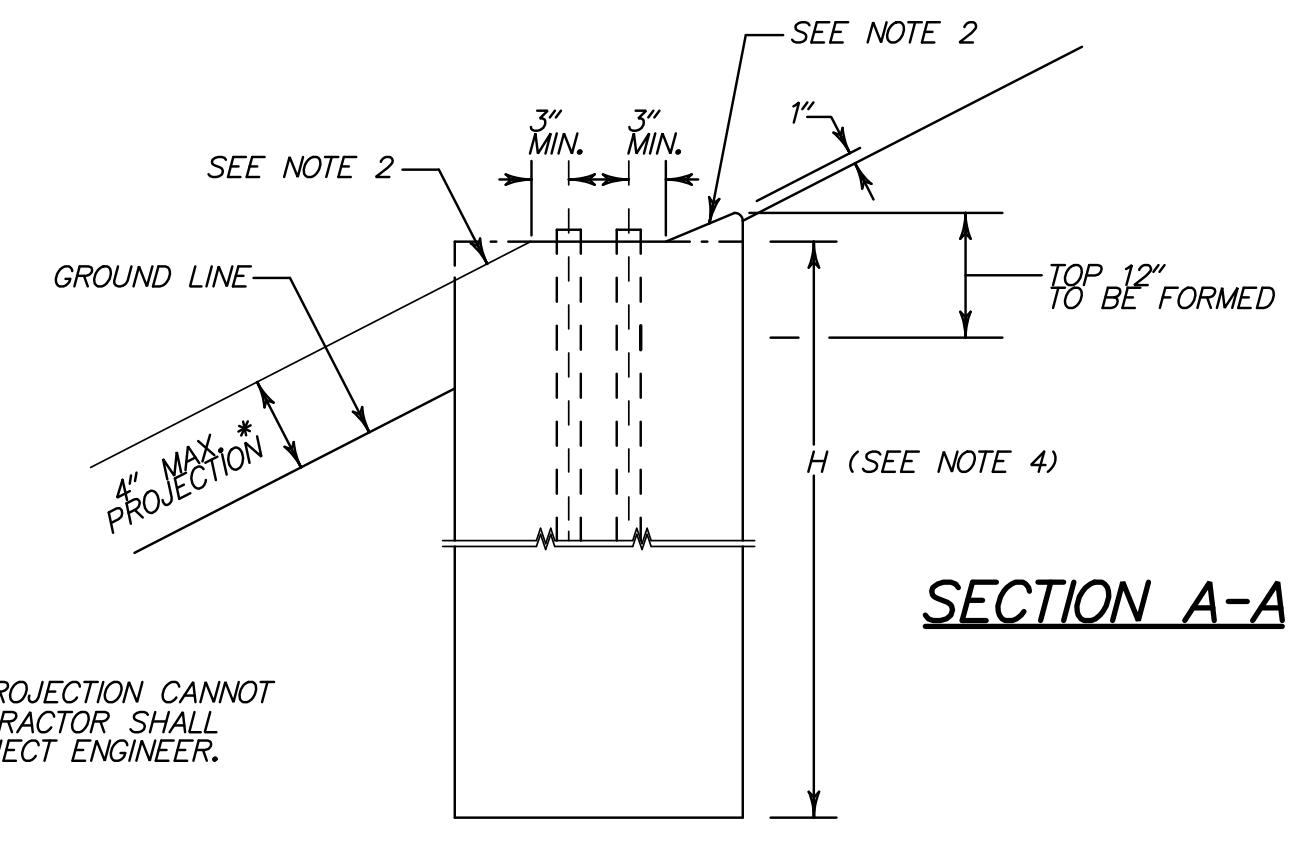
**GALVANIZED STEEL BEAM TYPE B
SIGN POST FOUNDATION DETAIL**



PLAN VIEW

- NOTES:**
1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE STEEL BREAKAWAY SUPPORT FOUNDATION SELECTION MATRIX ON SIGNING CONSTRUCTION DETAILS SHEET.
 2. SLOPED PORTIONS OF THE FOUNDATION SHALL MATCH THE FINISHED GROUND SLOPE.
 3. REFER TO GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.

**GALVANIZED STEEL BEAM TYPE C
SIGN POST FOUNDATION DETAIL**

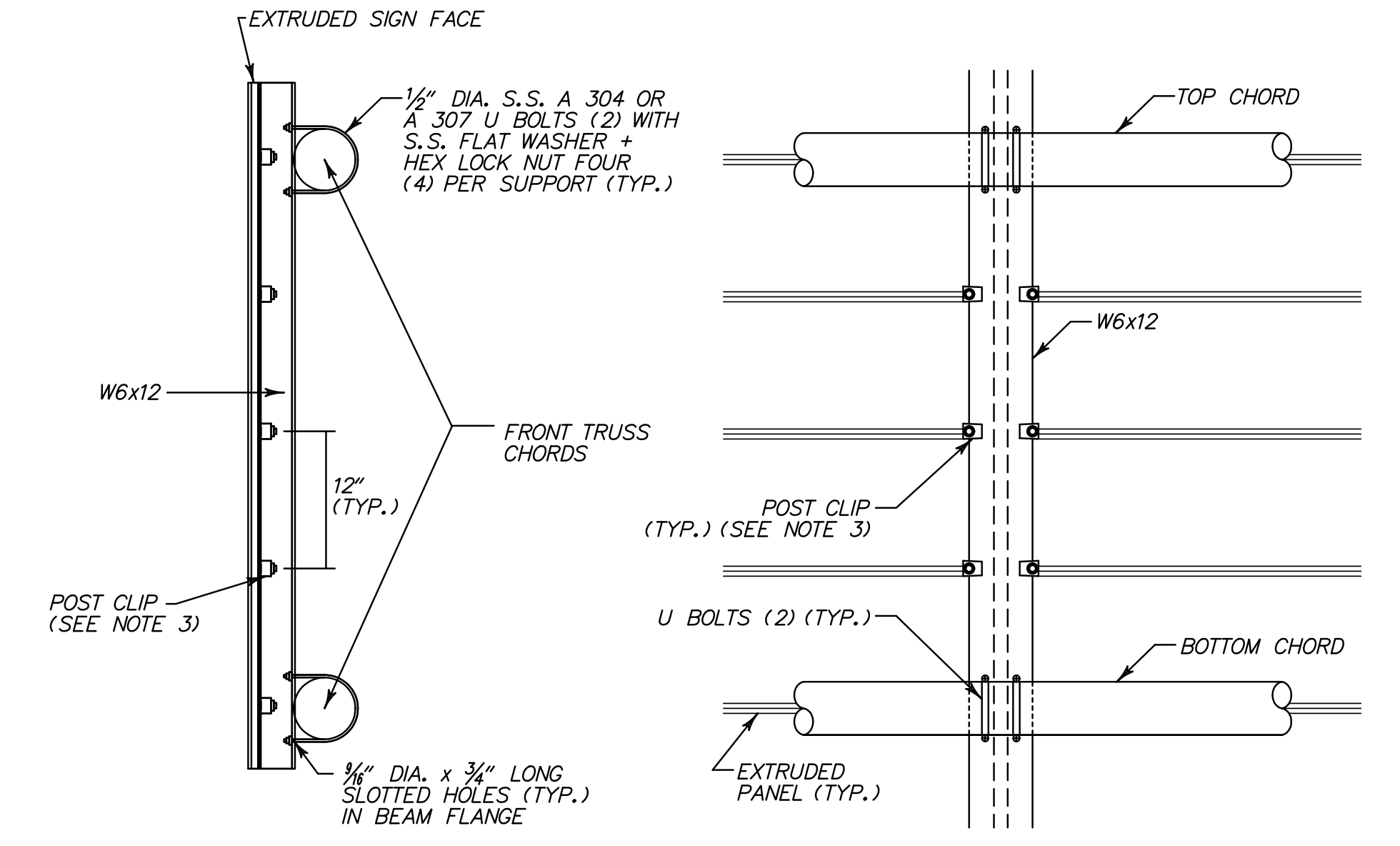


PLAN VIEW

*IF 4" MAX. PROJECTION CANNOT BE MET, CONTRACTOR SHALL CONTACT PROJECT ENGINEER.

- NOTES:**
1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE STEEL BREAKAWAY SUPPORT FOUNDATION SELECTION MATRIX ON THE SIGNING CONSTRUCTION DETAILS SHEET.
 2. SLOPED PORTIONS OF THE FOUNDATION SHALL MATCH THE FINISHED GROUND SLOPE.
 3. ON FILL SLOPES GREATER THAN 6:1 BUT NO STEEPER THAN 3:1, FOUNDATIONS DESIRABLY SHOULD BE INSTALLED A MINIMUM OF 14 FT BEYOND THE HINGE POINT. THE HINGE POINT IS THE POINT OF SLOPE TRANSITION FROM THE SHOULDER SLOPE, OR A RELATIVELY FLAT RECOVERY AREA ADJACENT TO THE ROADWAY, TO A STEEPER FORESLOPE, (ALSO KNOWN AS THE FORESLOPE BREAK).
 4. REFER TO GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.

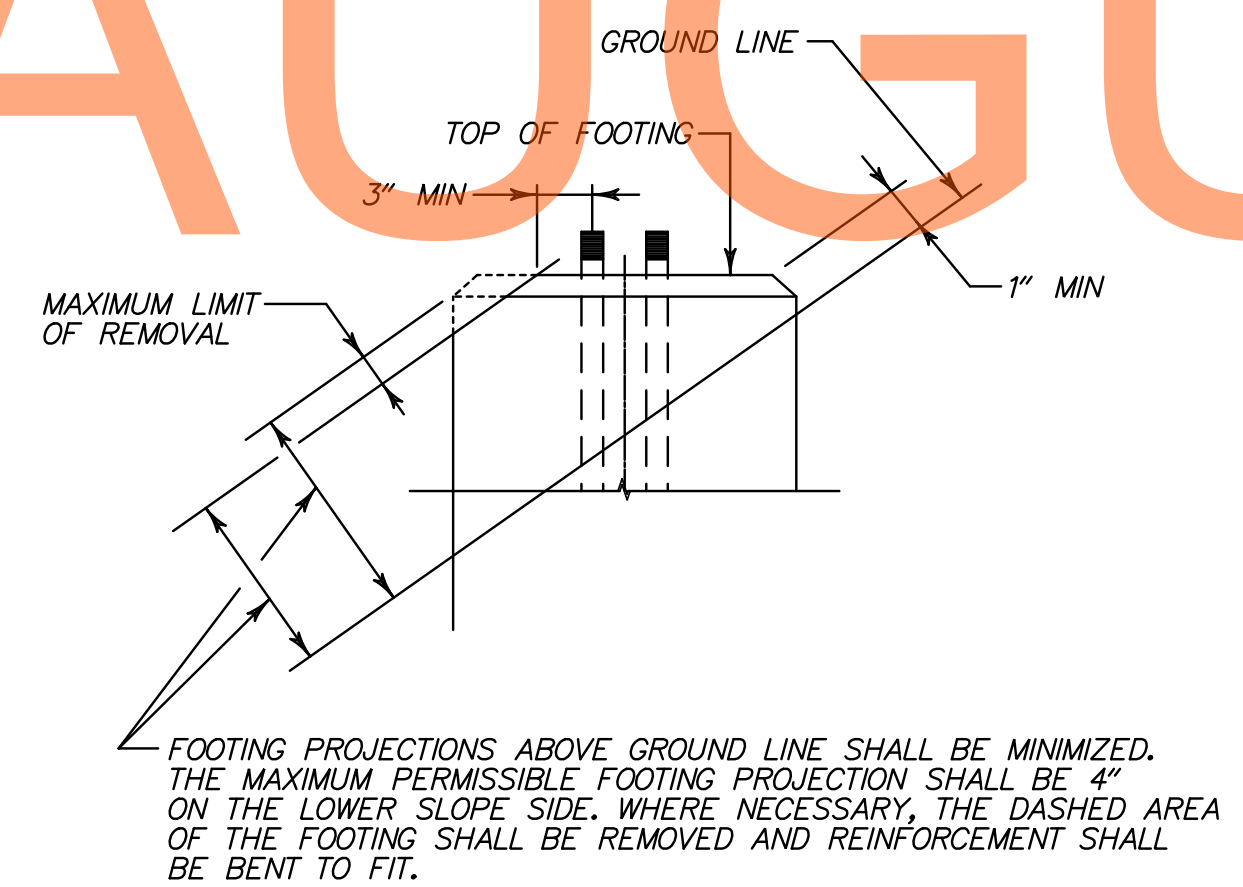
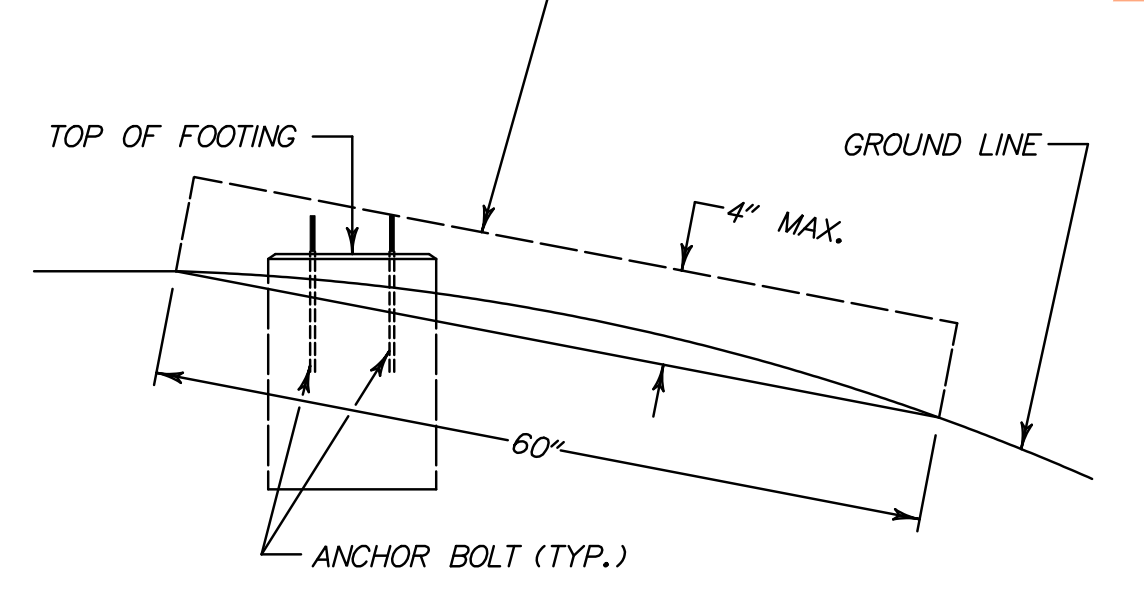
OVERHEAD SIGN SUPPORT DETAIL FOR NEW SIGN STRUCTURES



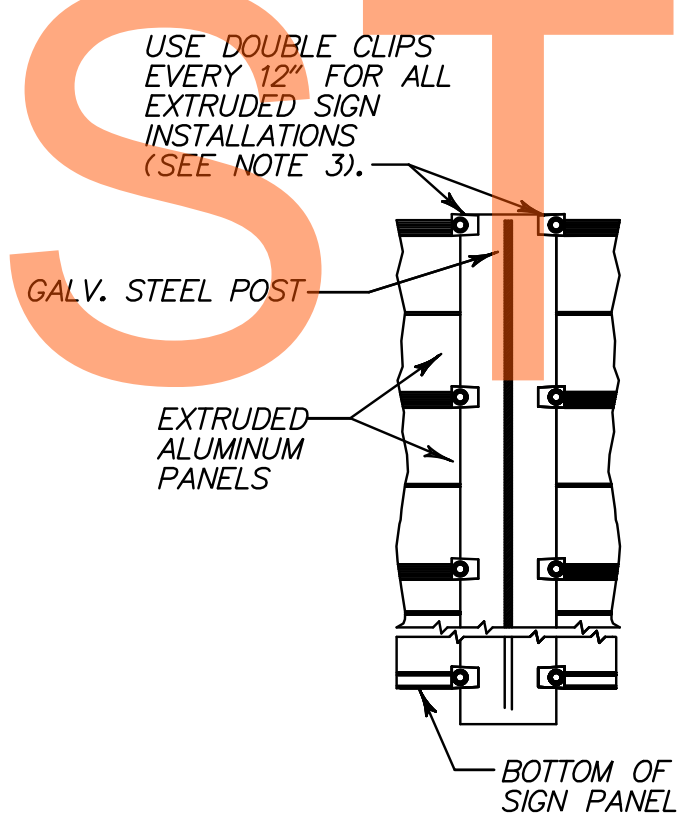
- NOTES:**
1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
 2. ALL W-BEAMS SHALL CONFORM TO A 709, GRADE 36.
 3. POST CLIPS SHALL BE INSTALLED ON EACH SIDE OF SIGN SUPPORT SPACED EVERY 12" FOR ENTIRE HEIGHT OF SIGN, AS SHOWN. POST CLIPS SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

**BREAKAWAY POLES ADJUSTMENT
FOR GROUND SLOPES DETAIL**

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

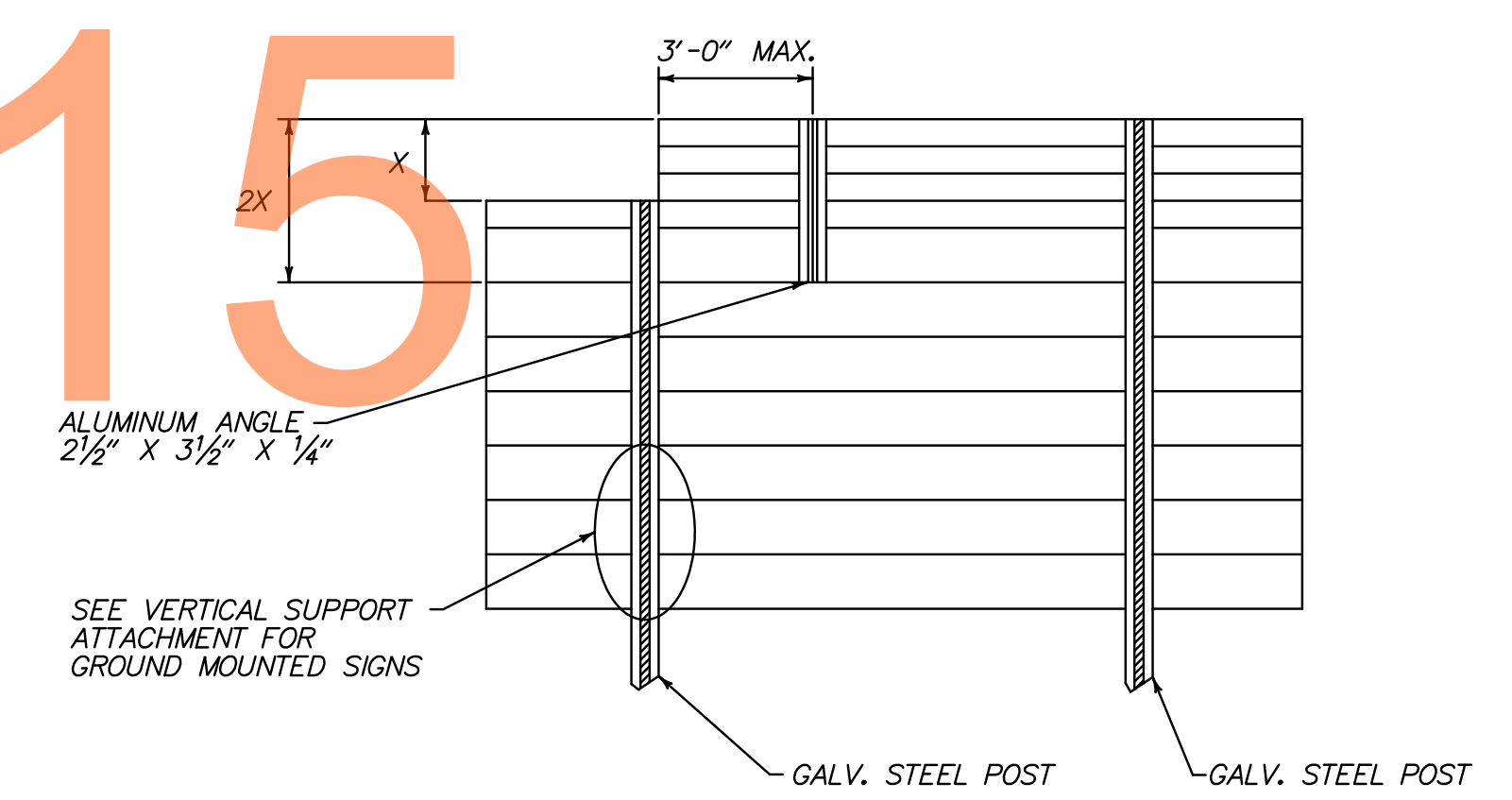


**VERTICAL SUPPORT ATTACHMENT
FOR GROUND MOUNTED SIGNS**



- NOTES:**
1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
 2. ALL STEEL SUPPORTS SHALL CONFORM TO A 709, GRADE 36.
 3. POST CLIPS SHALL BE INSTALLED ON EACH SIDE OF SIGN SUPPORT SPACED EVERY 12" FOR ENTIRE HEIGHT OF SIGN, AS SHOWN. POST CLIPS SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

INSTALLATION OF EXIT PANEL TO EXTRUDED SIGN



- NOTES:**
1. VERTICAL SUPPORTS ARE TO BE CONTINUOUS FOR ENTIRE HEIGHT OF SIGN, INCLUDING EXIT PANEL WHERE APPLICABLE.
 2. ALL SUPPORTS (INCLUDING ANGLES) SHALL BE POST CLIPPED AT 12" INTERVALS.

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ADDENDUMS / REVISIONS	

NOT TO SCALE

US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: J.D.C. CHECKED BY: J.M.M.

SIGNING CONSTRUCTION DETAILS	
SHEET NO. 825	TOTAL SHTS. 875

SIGN STRUCTURE NOTES:

1. SIGN STRUCTURES ARE IN ACCORDANCE WITH AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2009". ALL STRUCTURAL DETAILS HAVE BEEN ANALYZED AGAINST FATIGUE CATEGORY 1 IMPORTANCE FACTOR AS DESIGNATED IN THE ABOVE AASHTO SPECIFICATIONS.
2. ALL STRUCTURAL MAIN TUBES SHALL HAVE MINIMUM 35 KSI YIELD STRENGTH AND CONFORM TO ASTM A53 GRADE B, OR API5L GRADE B, PSL2.
3. ALL OTHER TUBES SHALL HAVE MINIMUM 36 KSI YIELD STRENGTH AND CONFORM TO ASTM A501. A SUBSTITUTION USING ASTM A53, GRADE B MAY BE ALLOWED ON A CASE-BY-CASE BASIS, AS APPROVED BY THE ENGINEER.
4. ALL STEEL PLATES, W-BEAMS AND MISCELLANEOUS SHAPES AND BARS SHALL CONFORM TO ASTM A709, GRADE 36 OR ASTM A709, GRADE 50.
5. ALL SIGN STRUCTURES HAVE BEEN DESIGNED FOR AN ADDITIONAL 15% OF PROPOSED SIGN AREA. ADDITIONAL AREA FOR AN EXIT PANEL (12' WIDE X 3' HIGH = 36 SQ. FT.) HAS BEEN INCLUDED FOR DESIGN OF ALL STRUCTURAL MEMBERS.
6. ALL SIGN STRUCTURE SUPPORTS SHALL BE LOCATED BEHIND PHYSICAL TRAFFIC BARRIERS.
7. TRUSS CAMBER ΔV FOR CANTILEVER STRUCTURE SHALL BE INCORPORATED DURING FABRICATION. THE CONTRACTOR SHALL ACHIEVE ΔH CAMBER BY TILTING THE POLE AND ADJUSTING LEVELLING NUTS DURING INSTALLATION.
8. ALL STRUCTURES HAVE BEEN DESIGNED FOR STANDARD ALUMINUM EXTRUDED SIGN PANELS AND NOT FOR DYNAMIC MESSAGE SIGNS (DMS) OR ANY OTHER TYPES OF SIGNS.
9. MODIFICATION TO ANY TRUSSING-CHORD GUSSET PLATE CONNECTION IN ORDER TO ACCOMMODATE SIGN PANEL SUPPORTS SHALL NOT BE PERMITTED.
10. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARDS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) AND STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
11. ALL WELDING SHALL BE IN ACCORDANCE WITH AASHTO AMERICAN WELDING SOCIETY (AWS) D1.5M/ D1.5: 2008 BRIDGE WELDING CODE. WELDING NOT COVERED IN (AWS) D1.5 SHALL CONFORM TO AWS D1.1: 2008 STRUCTURAL WELDING CODE, OR AWS D1.2 AS APPROPRIATE.
12. GALVANIZING SHALL CONFORM TO ASTM A123 OR ASTM A153 AND ASTM A143, ASTM A385.
13. GALVANIZED HIGH STRENGTH BOLTS SHALL CONFORM TO AASHTO M164/ASTM A325.
14. GALVANIZED HEAT TREATED NUTS SHALL CONFORM TO AASHTO M292/ASTM A194 OR AASHTO M291/ASTM A563 GRADE 2H, DH. GALVANIZED HARDENED STEEL WASHERS SHALL CONFORM TO AASHTO M293/ASTM F436.
15. GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM F1554 GRADE 55.
16. ALL ANCHOR BOLTS SHALL BE PLUMB AFTER FOUNDATION INSTALLATION. STEEL TEMPLATES SHALL BE USED TO SET ANCHOR BOLTS PLUMB WHEN POURING THE FOUNDATION.
17. "U" BOLTS SHALL CONFORM TO ASTM A 449, TYPE 1. USE LOCK NUTS AND FLAT WASHERS FOR ALL "U" BOLTS (AASHTO M293 OR EQUIVALENT).
18. BASE PLATE SHALL BE IN FULL CONTACT WITH ALL FLAT WASHERS.
19. ALL ANCHOR BOLT NUTS SHALL BE TIGHTENED USING TURN OF NUT METHOD. (30° MINIMUM TO 45° MAXIMUM TURN AFTER SNUG TIGHT)
20. GROUT SHALL NOT BE PLACED BETWEEN THE BASE PLATE AND CONCRETE TOP.
21. USE CLASS B CEMENT CONCRETE $f'c = 3000$ PSI IN PEDESTALS AND FOOTINGS.

INDEX OF DRAWINGS		
SHEET NUMBER	DRAWING NUMBER	TITLE
826	SS-37	SIGN STRUCTURE NOTES AND QUANTITIES
827	SS-38	SIGN STRUCTURE CROSS SECTION
828	SS-39	SIGN STRUCTURE SCHEDULE
829	SS-40	TRUSS AND POLE DETAILS
830	SS-41	SIGN STRUCTURE FOUNDATION DETAILS

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AUGUST 2015

QUANTITIES			
ITEM NO.	ITEM TITLE	UNIT	QUANTITY
605500	CANTILEVER SIGN SUPPORT AND FOUNDATION	L.S.	1

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ADDENDUMS / REVISIONS	

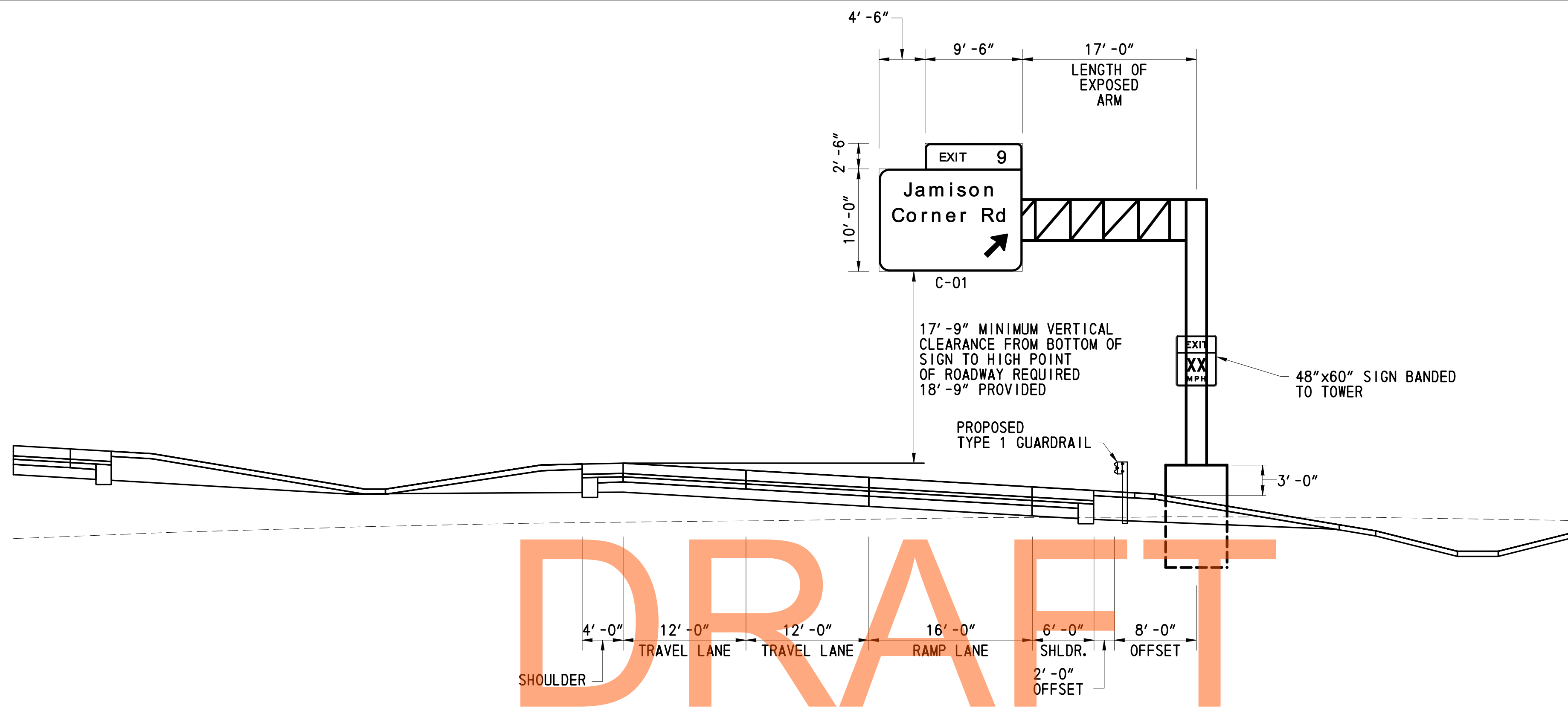
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**US 301,
SR 896 TO SR 1**

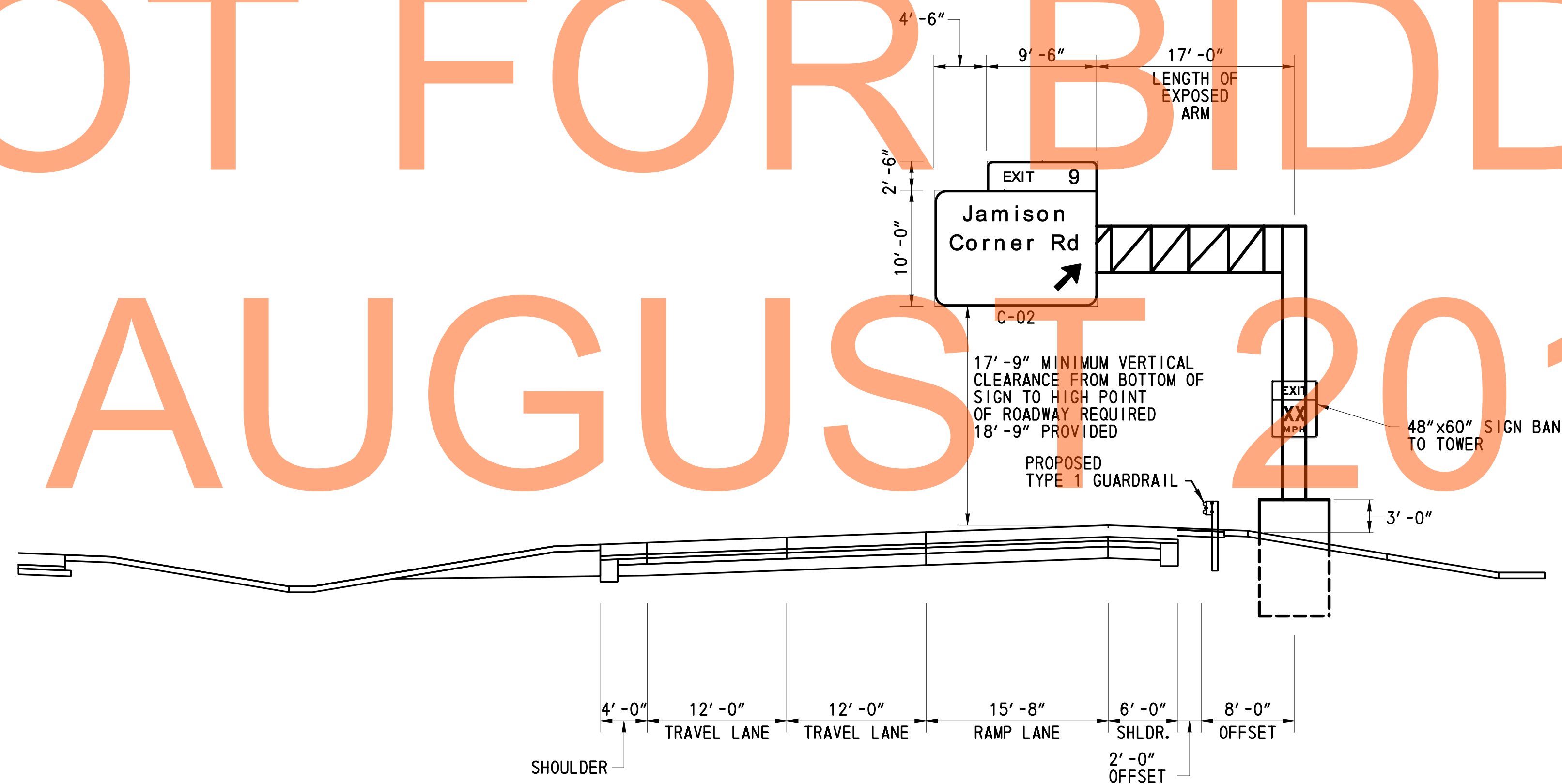
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: BSW
	CHECKED BY: BJH

**SIGN STRUCTURE NOTES
AND QUANTITIES**

SS-37
SHEET NO. 826
TOTAL SHTS. 875



C-01 (30'-0" ARM LENGTH)
US 301 NORTHBOUND
STATION 753+50



C-02 (30'-0" ARM LENGTH)
US 301 SOUTHBOUND/ RAMP P
STATION 51+50

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ADDENDUMS / REVISIONS	

NOT TO SCALE

**US 301,
SR 896 TO SR 1**

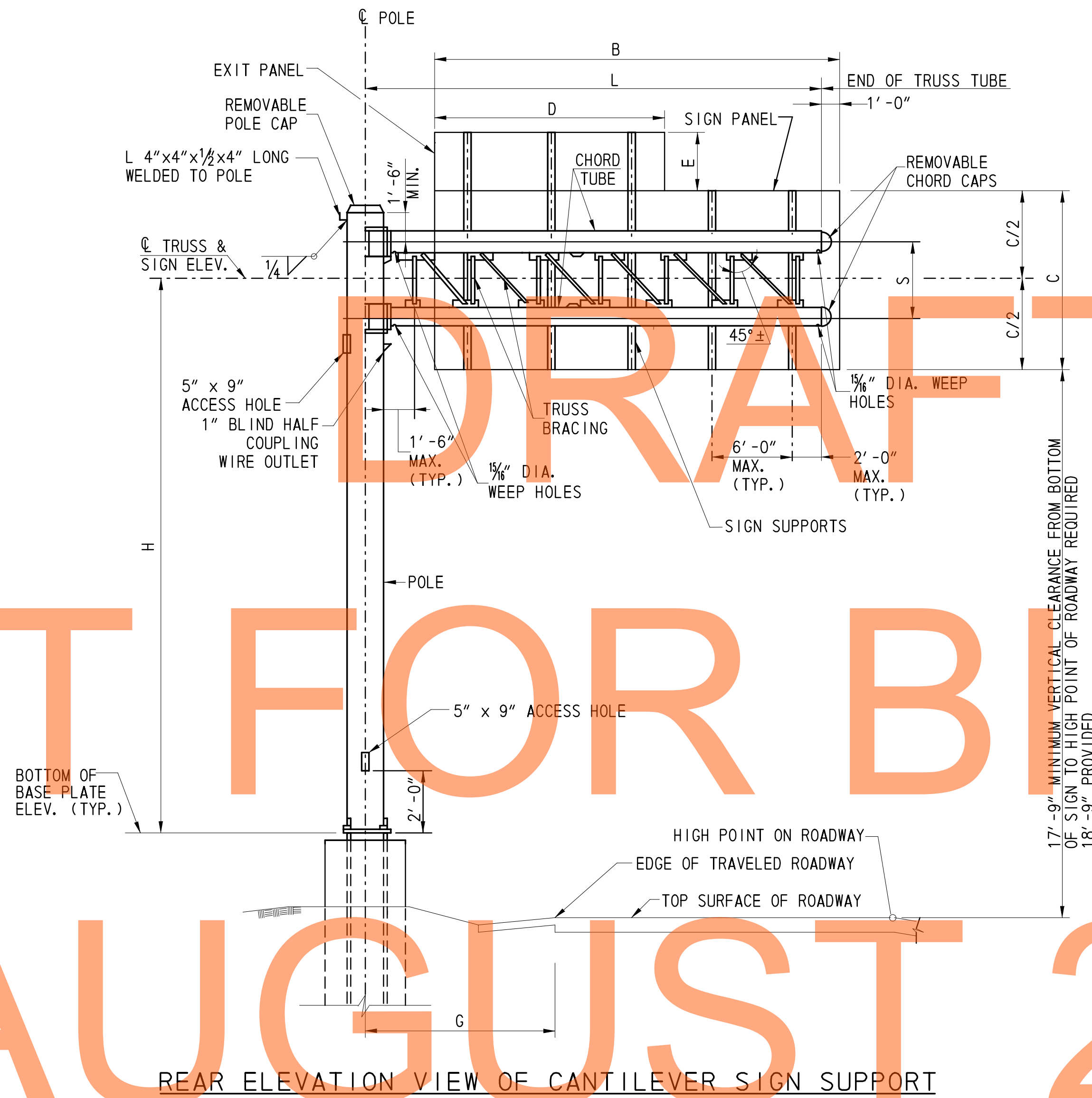
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: BSW
	CHECKED BY: BJH

**SIGN STRUCTURE
CROSS SECTION**

SS-38
SHEET NO. 827
TOTAL SHTS. 875

CANTILEVER SIGN SUPPORT - SCHEDULE OF STRUCTURES

SIGN STRUCTURE NO.	ELEVATIONS		STRUCTURE DIMENSIONS			SIGN PANEL					LOCATION	REMARKS
	CL TRUSS & SIGN	BOTTOM OF BASE PLATE	H	S	L	B	C	D	E	G		
C-01	105.49	81.75	23'-8 ⁷ / ₈ "	4'-0"	30'-0"	14'-0"	10'-0"	9'-6"	2'-6"	16'-0"	STA. 753+50.00	
C-02	91.47	70.26	21'-2 ¹ / ₂ "	4'-0"	30'-0"	14'-0"	10'-0"	9'-6"	2'-6"	16'-0"	STA. 51+50.00	



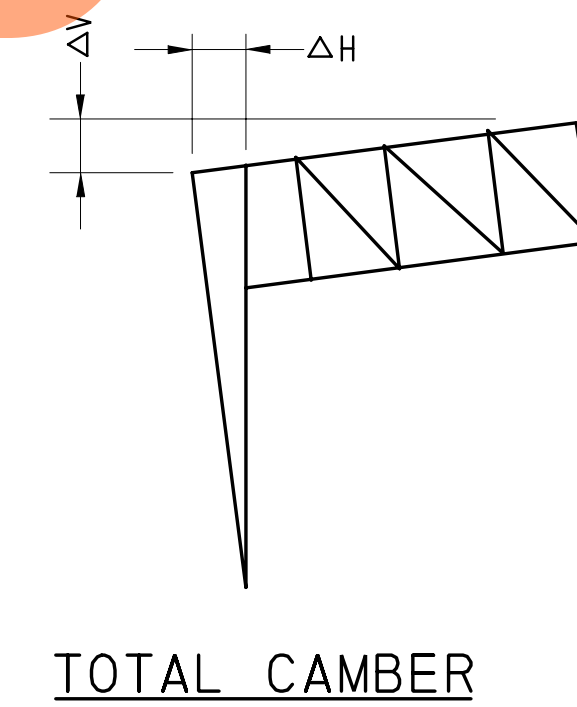
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REAR ELEVATION VIEW OF CANTILEVER SIGN SUPPORT

STRUCTURE MEMBER DATA			
POLE SIZE	TRUSS CHORD TUBE SIZE	TRUSS BRACING TUBE SIZE	TOTAL CAMBER
			ΔH
24" O.D. x 0.375" THK.	12.75" O.D. x 0.375" THK.	3.5" O.D. x 0.216" THK.	1 ⁷ / ₈ " 3 ¹ / ₁₆ "



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ADDENDUMS / REVISIONS

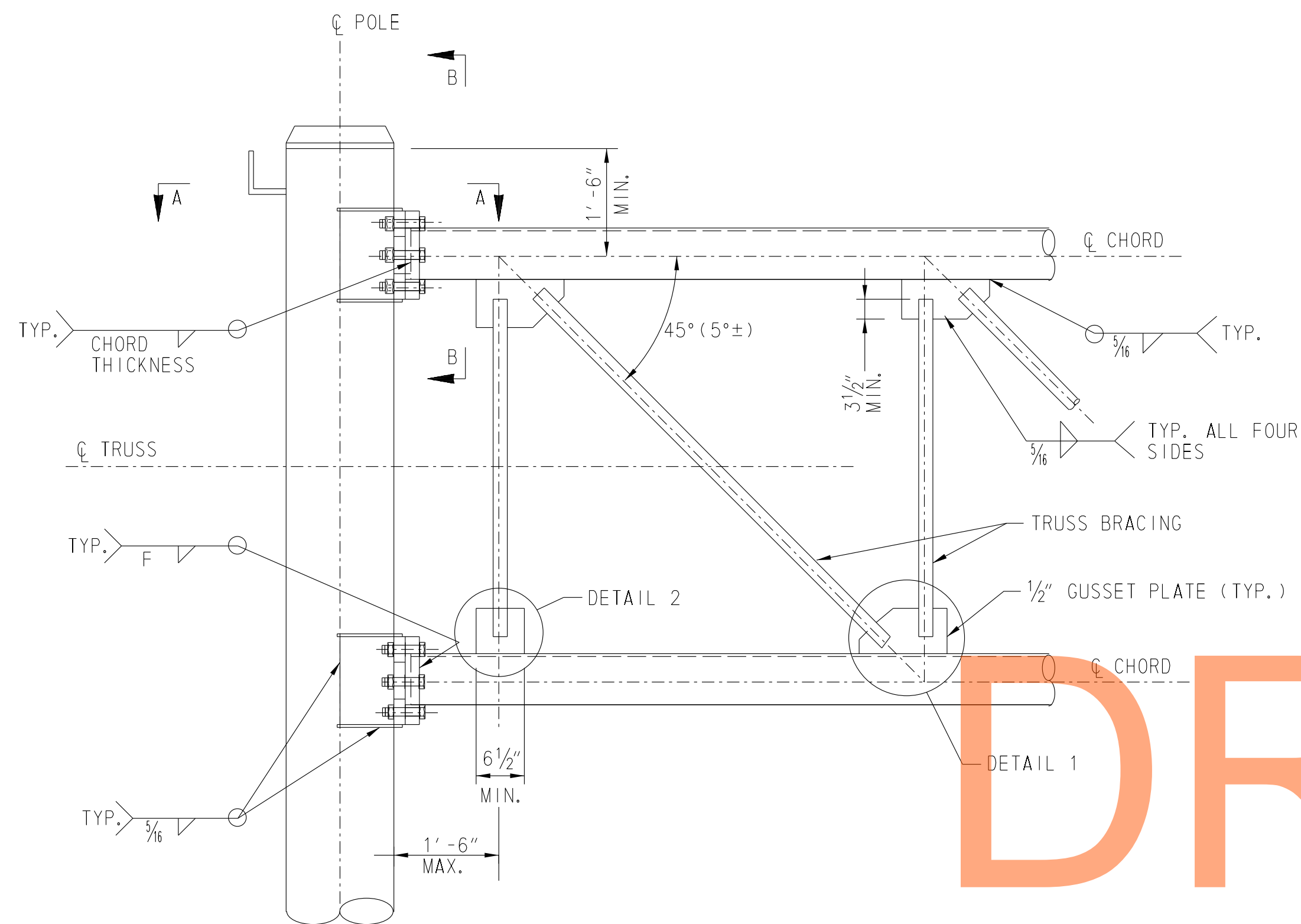
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US 301,
SR 896 TO SR 1

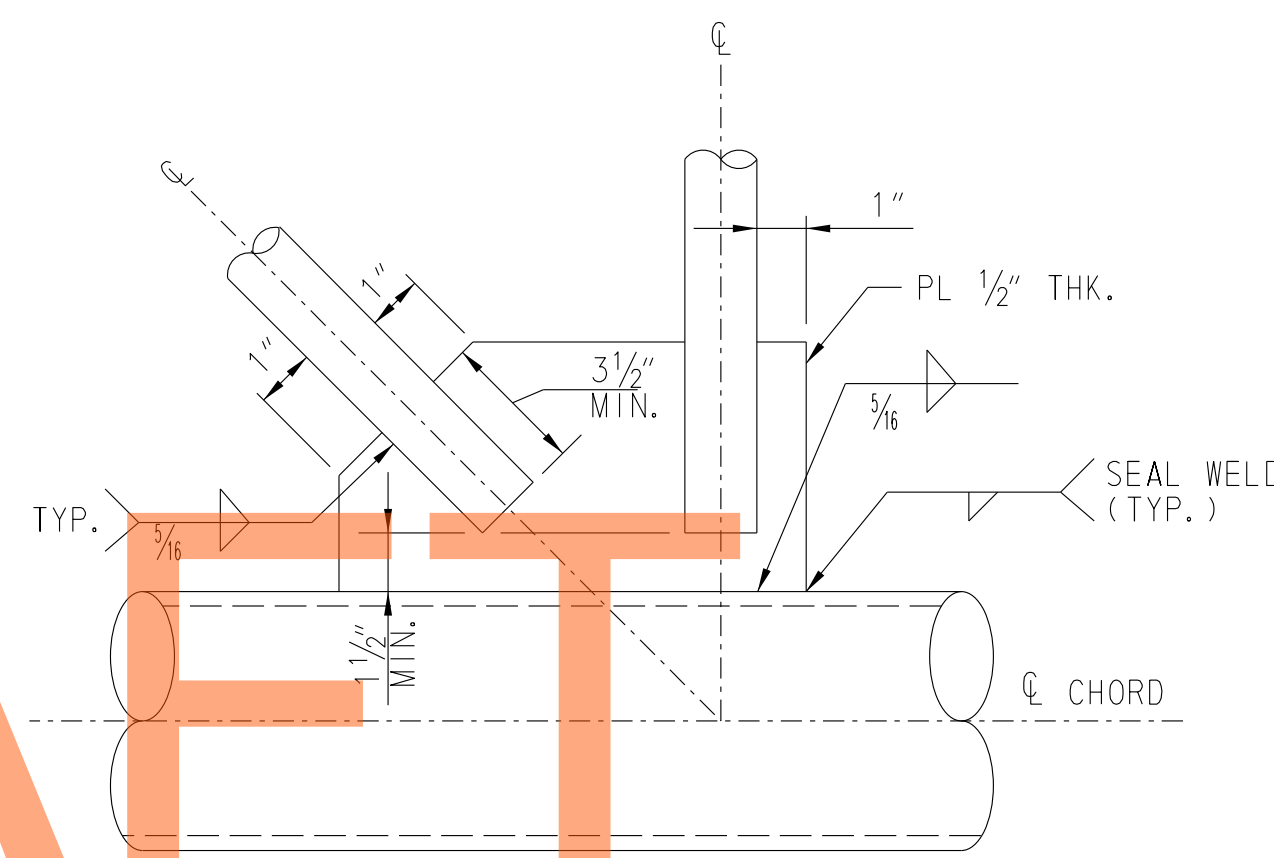
CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: BSW
	CHECKED BY: BJH

SIGN STRUCTURE SCHEDULE

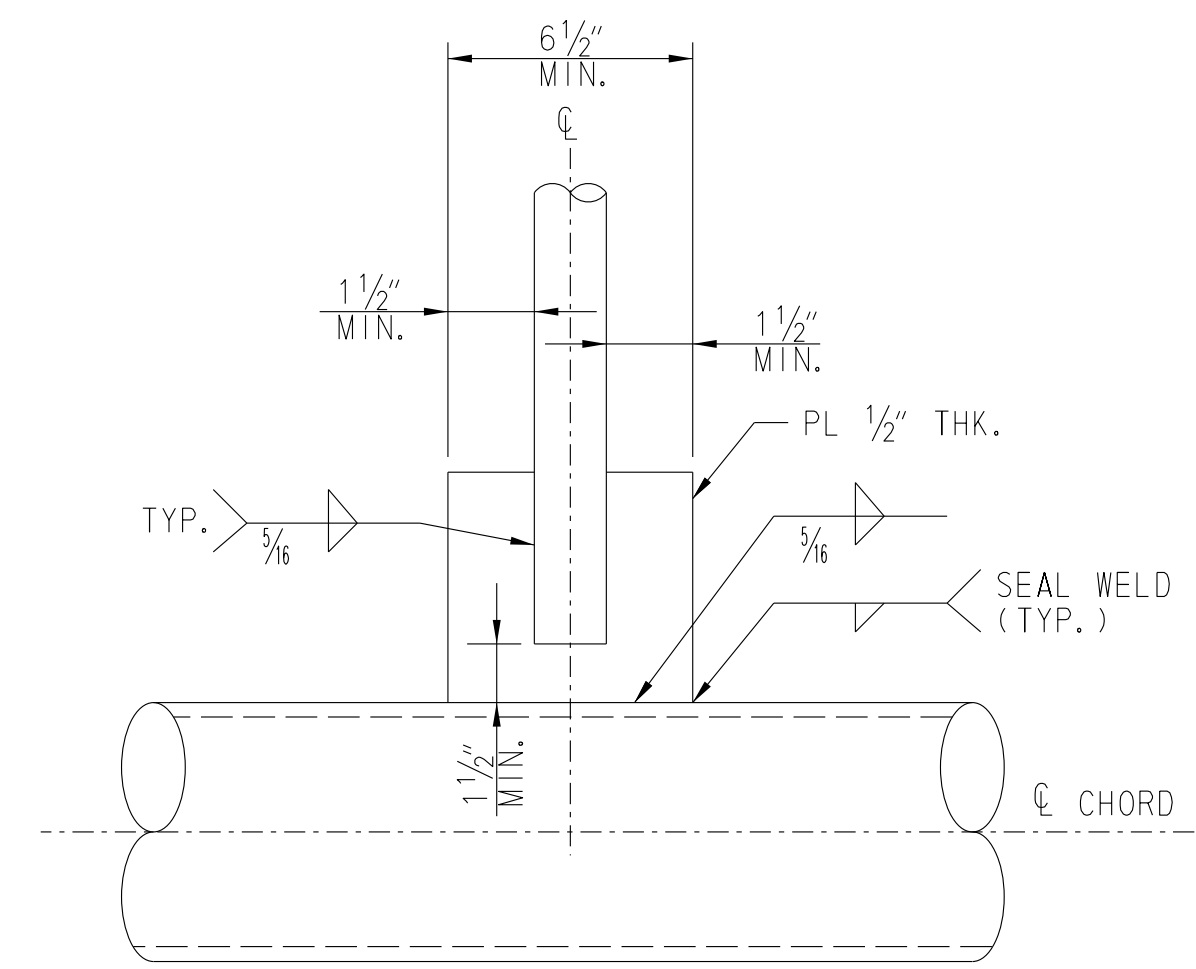
SS-39
SHEET NO. 828
TOTAL SHTS. 875



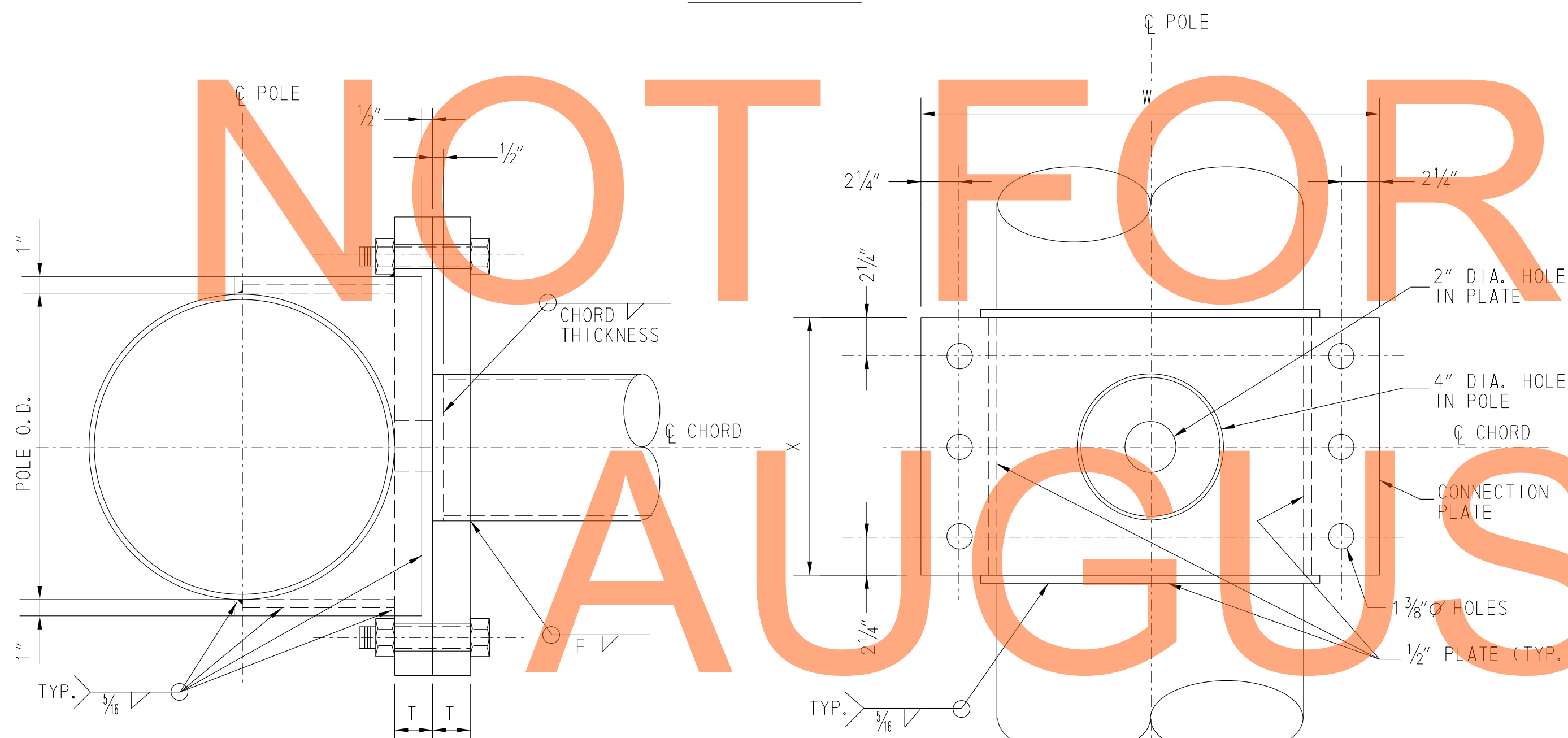
ELEVATION



DETAIL 1

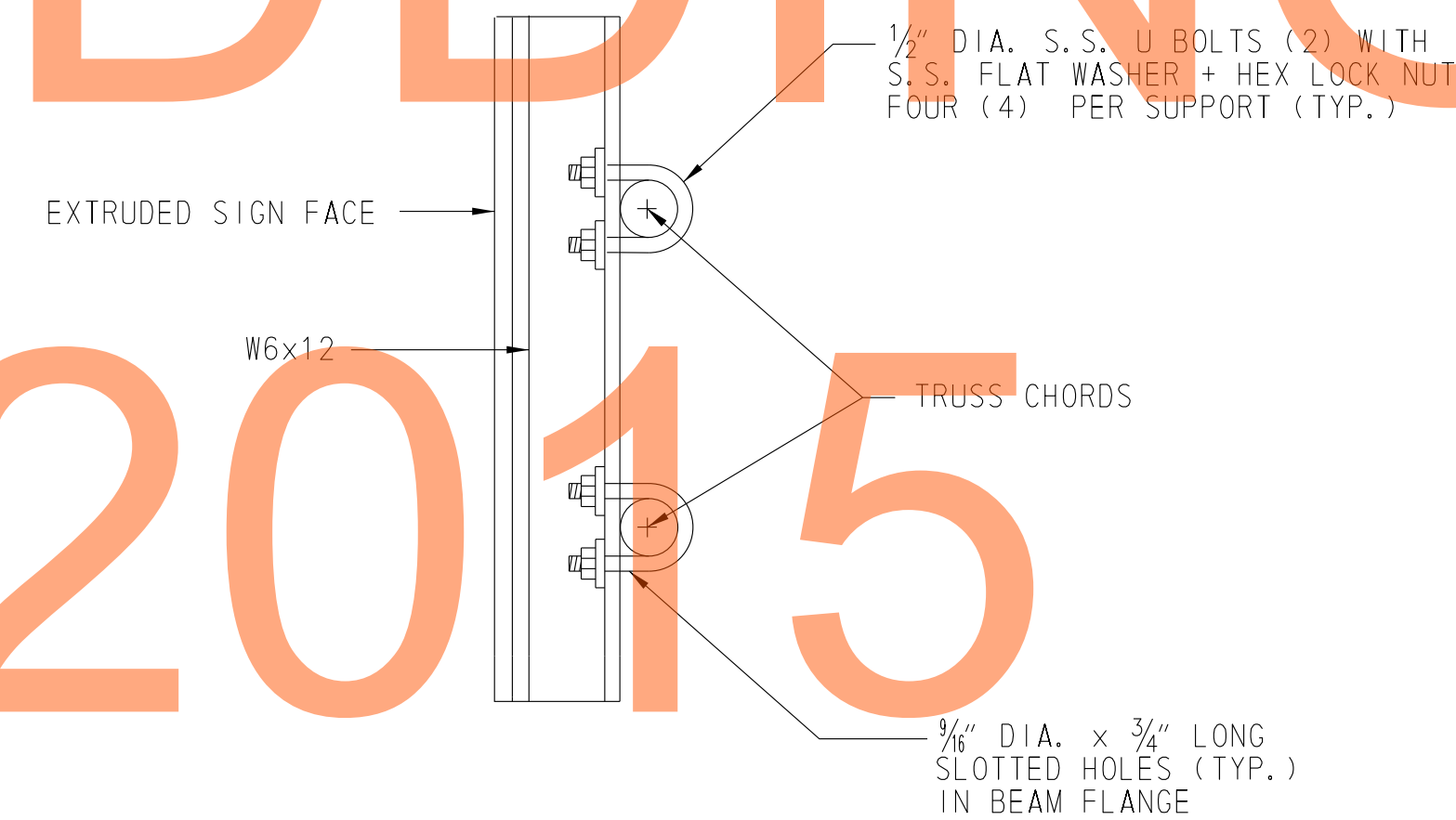


DETAIL 2



SECTION A-A

SECTION B-B



SIGN SUPPORT

TRUSS TO POLE CONNECTION ASSEMBLY

TRUSS CORD TUBE SIZE	TRUSS BRACING TUBE SIZE	POLE SIZE (O.D.)	NO. OF BOLTS	CONNECTION PLATE DIMENSIONS			FILLET WELD SIZE
				T	W	X	F
12.750" O.D. x 0.375" THK.	3.5" O.D. x 0.216" THK.	24"	6-1 1/4" DIA.	3"	34"	19"	1/8"

NOTES:

- PROVIDE SLOT IN TRUSS BRACING MEMBERS FOR CONNECTION TO GUSSET PLATES.
- TOP AND BOTTOM CHORD CONNECTIONS ARE SIMILAR

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ADDENDUMS / REVISIONS

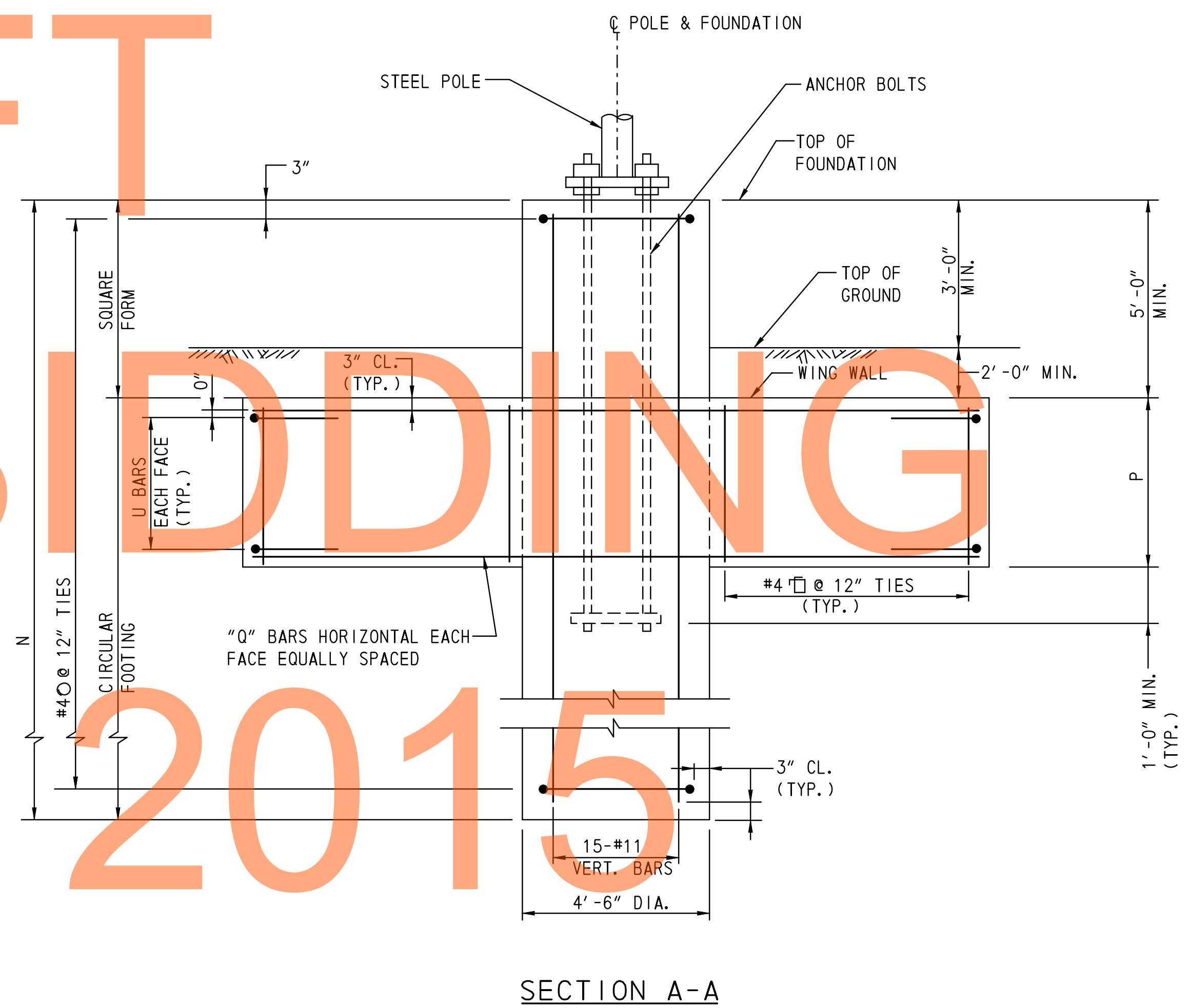
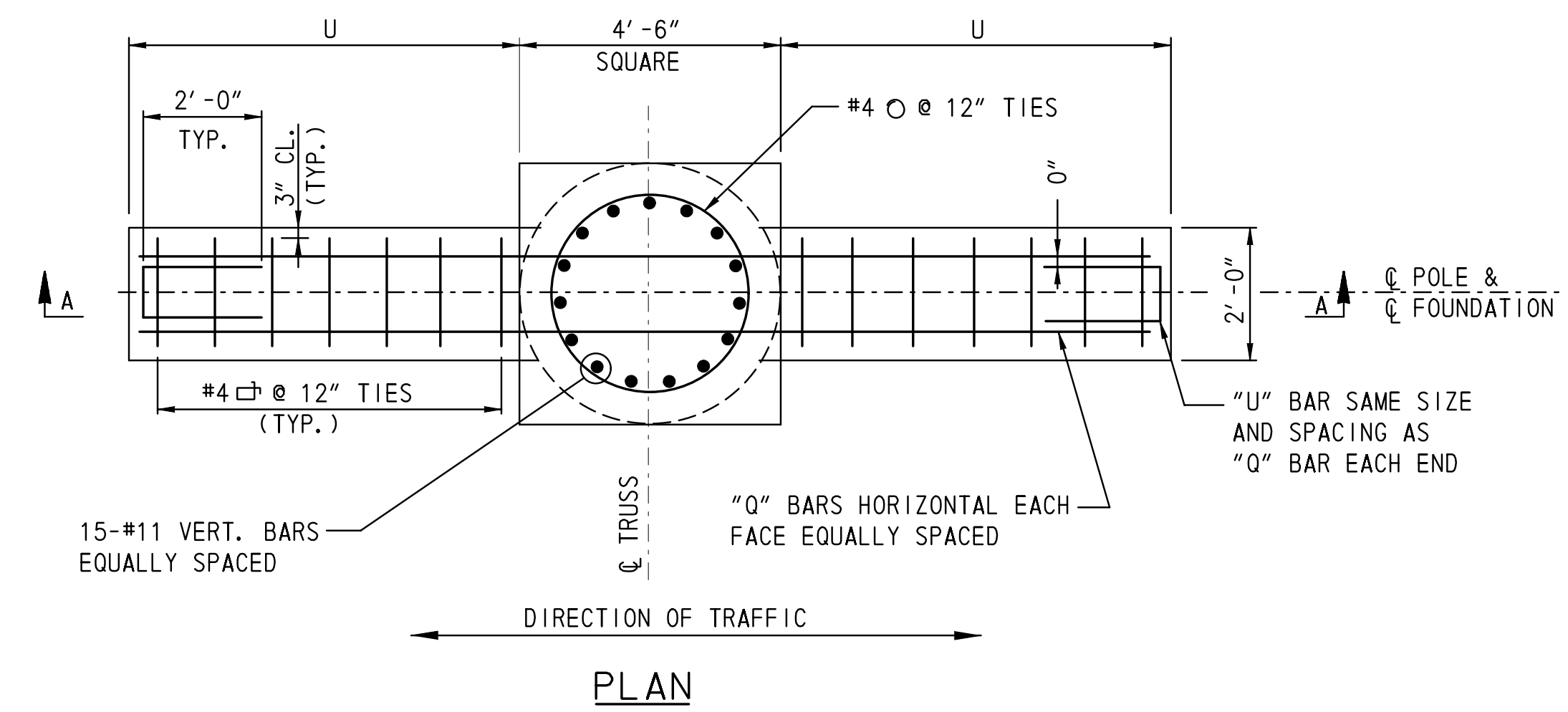
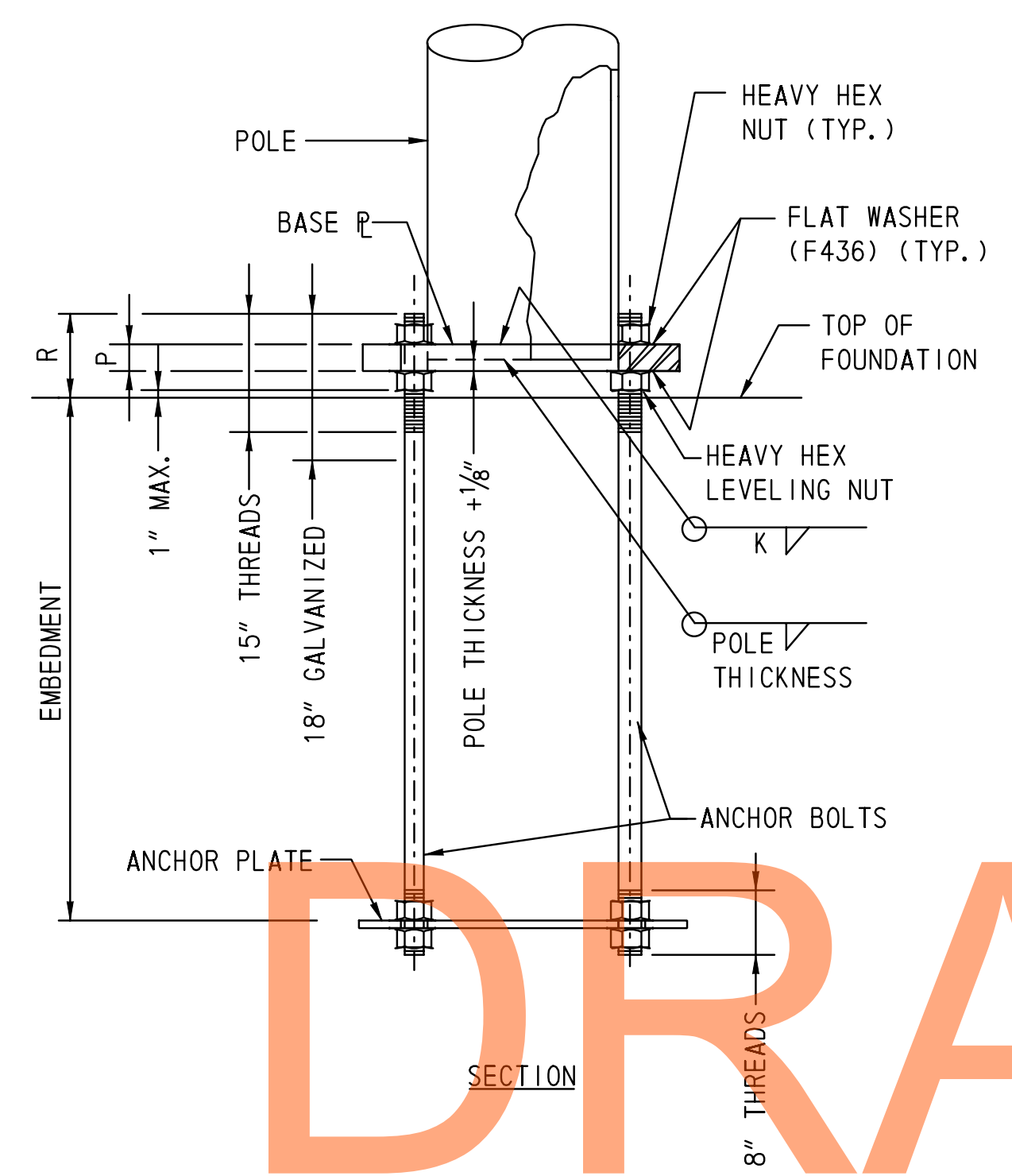
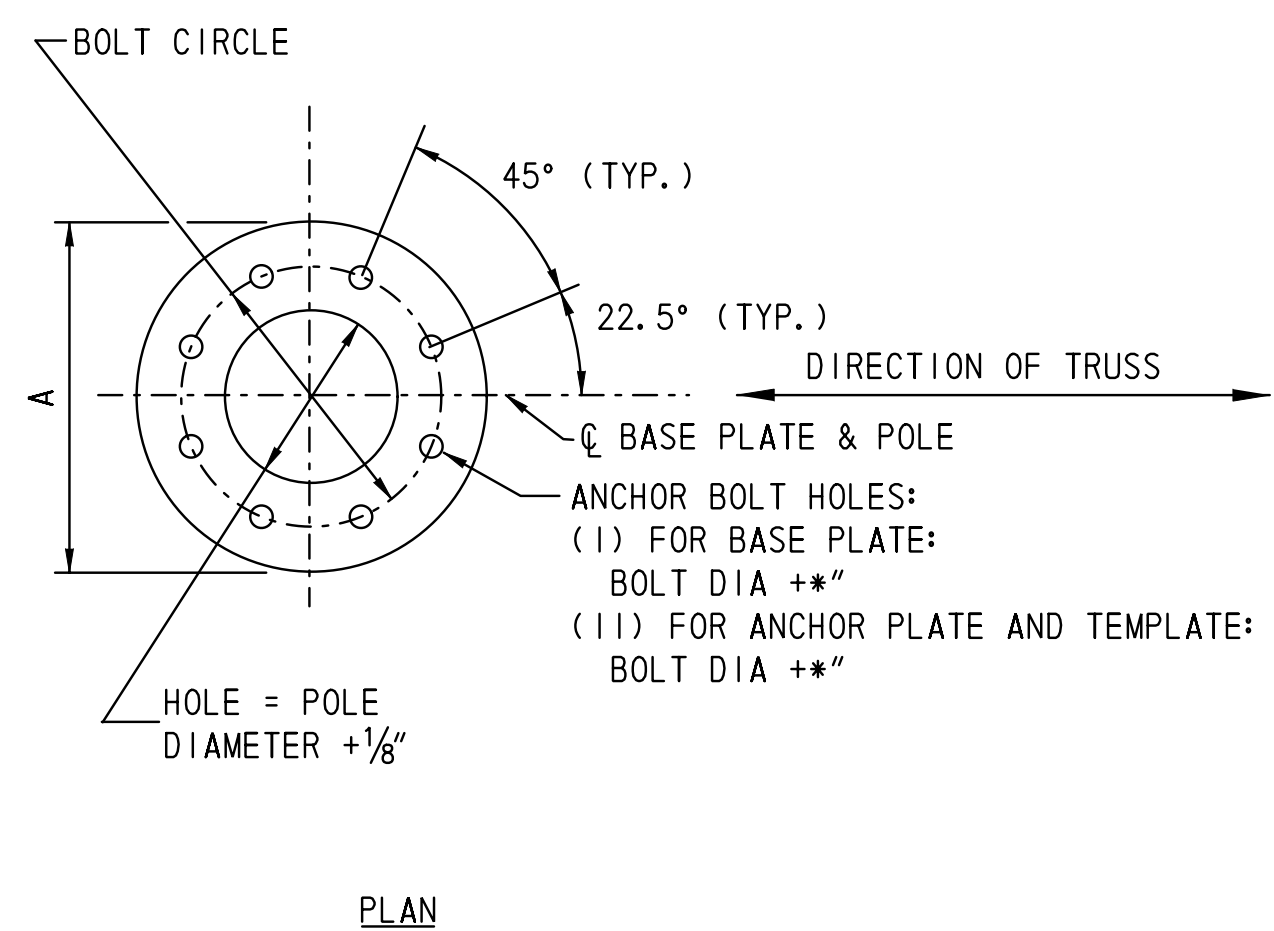
NOT TO SCALE

US 301,
SR 896 TO SR 1

CONTRACT T200911308	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: BSW
	CHECKED BY: BJH

TRUSS AND
POLE DETAILS

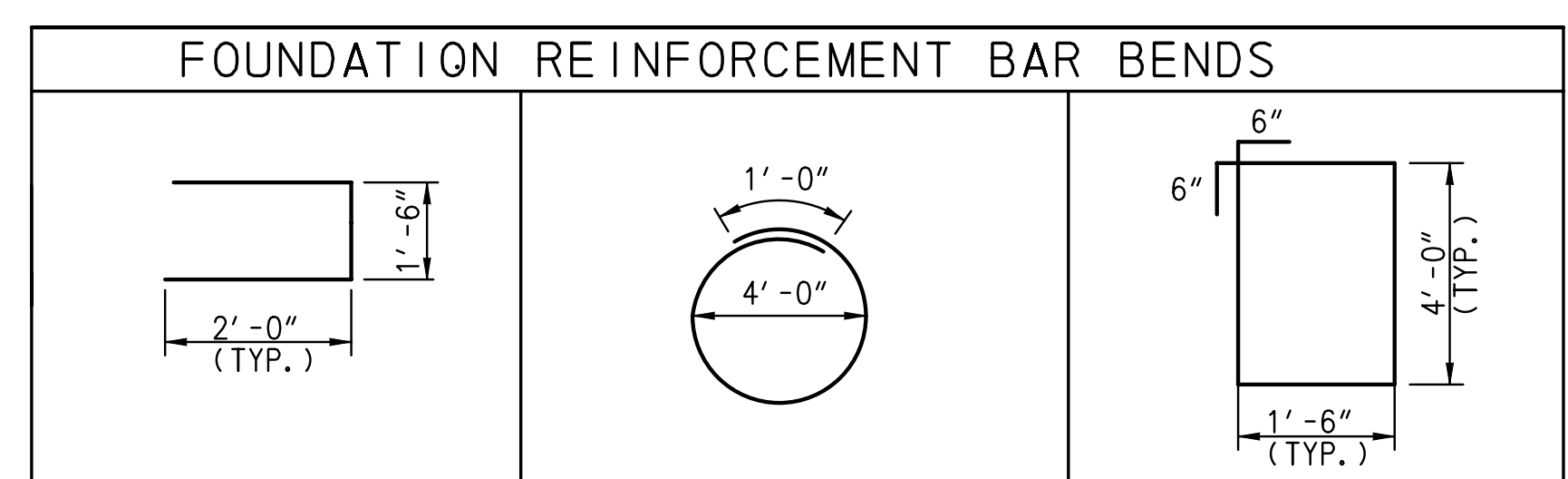
SS-40
SHEET NO. 829
TOTAL SHTS. 875



BASE PLATE AND ANCHOR PLATE

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BASE PLATE AND ANCHORAGE DATA								
POLE SIZE	A	BOLT CIRCLE	P	R	ANCHOR BOLT DIA.	MINIMUM EMBEDMENT LENGTH	ANCHOR PLATE SIZE	FILLET WELD SIZE (K)
24.00" O.D. x 0.375" THK.	38"	31"	23"	10"	2 1/4"	10'-6"	3/4" x 38" DIA.	1/2"



FOUNDATION DETAIL SCHEDULE				
FOOTING DIMENSIONS			WING WALL REINFORCEMENT	
N	P	U	"Q" BARS	
			NO.	SIZE
18'-0"	4'-6"	5'-0"	9	#5