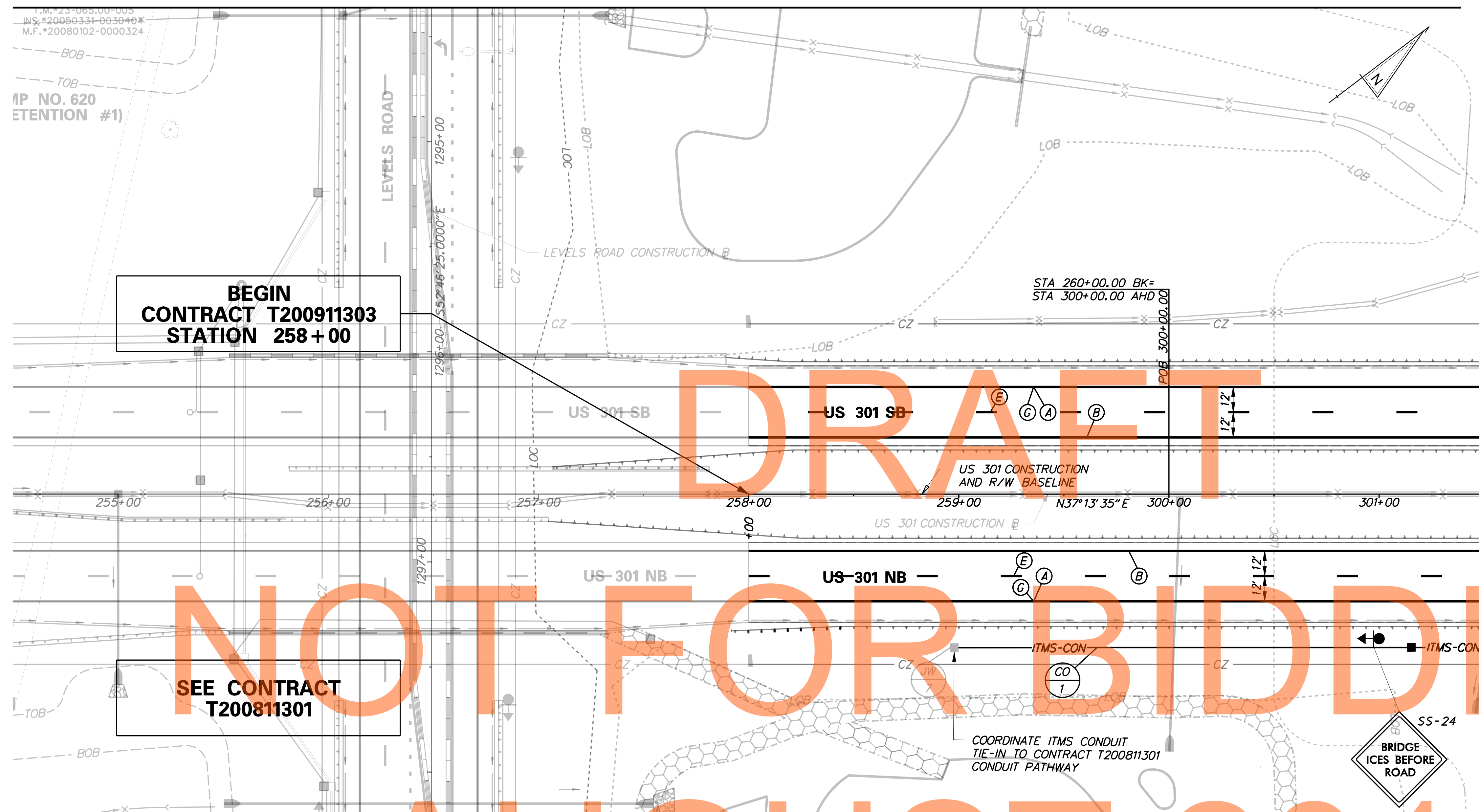


MATCHLINE SHEET SS-04



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	700 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	700 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	175 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	700 LF

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

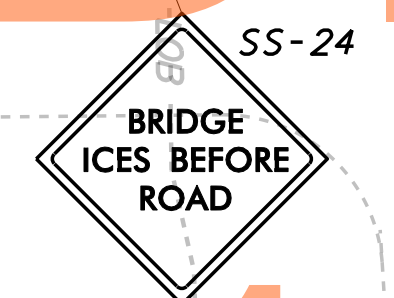
**BEGIN
CONTRACT T200911303
STATION 258+00**

**SEE CONTRACT
T200811301**

DRAFT
NOT FOR BIDDING
AUGUST 2015

PROJECT SIGNING NOTES:

- THE CONTRACTOR SHALL INSTALL AND REMOVE THE REGULATORY, WARNING AND SPECIAL SIGNS AND POSTS WITHIN THE CONTRACT LIMITS, AS SHOWN. DELDOT SHALL FABRICATE AND SUPPLY THE REGULATORY, WARNING AND SPECIAL SIGNS AND POSTS TO THE CONTRACTOR. FOR COORDINATION AND PICK UP OF ALL SIGNS AND POSTS, THE CONTRACTOR SHALL CONTACT DELDOT'S SIGN SHOP AT 302-760-2581. ALLOW FOUR (4) WEEKS FOR DELIVERY. ALL SIGNING MATERIALS REMOVED FROM THIS PROJECT SHALL BE RETURNED TO DELDOT'S SIGN SHOP.
- ALL SIGNS AND PAVEMENT STRIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE DELDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE-MUTCD) PART 2 AND 3.
- THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS AND DELINEATORS IN ACCORDANCE WITH THE DE-MUTCD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND REMOVAL OF ALL PROPOSED, TEMPORARY AND EXISTING MARKINGS AS REQUIRED. ALL PROPOSED MARKINGS SHALL TIE INTO EXISTING MARKINGS IN ACCORDANCE WITH THE DE-MUTCD AND AS DIRECTED BY THE ENGINEER.
- AN AUTHORIZED REPRESENTATIVE OF DELDOT'S PAVEMENT MARKINGS SECTION SHALL BE ASSIGNED AS THE PROJECT COORDINATOR FOR THE REMOVAL AND INSTALLATION OF PAVEMENT MARKINGS AND SHALL BE PRESENT DURING EACH REMOVAL AND INSTALLATION OPERATION. PAYMENT WILL NOT BE MADE FOR ANY WORK DONE WHEN THE PROJECT COORDINATOR, OR DESIGNEE, IS NOT PRESENT. THE ENGINEER SHALL CONTACT DELDOT'S PAVEMENT MARKINGS SECTION AT 302-760-2588 TWO WEEKS PRIOR TO BEGINNING THE PAVEMENT MARKING WORK.
- REMOVAL OF EXISTING RAISED/RECESSED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR BUT WILL BE INCIDENTAL TO ITEM NO. 760507 - PROFILE MILLING, HOT MIX.
- IN LOCATIONS WHERE PAVEMENT MARKING REMOVAL HAS LEFT "SHADOWS", PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK 6" (ITEM NO. 748536) MAY BE USED TO COVER "SHADOWS" AS DIRECTED BY THE AUTHORIZED REPRESENTATIVE OF DELDOT'S PAVEMENT MARKINGS SECTION.
- INSTALLATION OR REMOVAL OF GROUND MOUNT SIGNS ON STANDARD SIGN POSTS SHALL BE PAID FOR UNDER ITEM NOS. 749687 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) AND SINGLE POST AND 749690 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) AND MULTIPLE SIGN POSTS. INSTALLATION OF GROUND MOUNT SIGNS ON STEEL BEAM SIGN SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 749556 - INSTALLATION OF SIGN ON GROUND MOUNT POSTS.
- ALL PROPOSED ITMS CONNECTIONS AND TERMINATIONS SHALL BE COMPLETED BY DELDOT TRAFFIC FORCES. THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN (10) DAYS PRIOR TO ANY REQUIRED CONNECTION AND TERMINATION WORK.
- ALL UNDERGROUND ITMS FACILITIES TO BE INSTALLED BY THE CONTRACTOR. PRIOR TO COMPLETION OF UNDERGROUND PATHWAY, FACILITIES AND/OR SITE AREA, THE CONTRACTOR SHALL CONTACT DELDOT'S SIGNAL CONSTRUCTION MANAGER AT 302-222-5920 TEN (10) DAYS PRIOR TO COMPLETION.
- ALL PROPOSED ITMS DEVICES TO BE FURNISHED AND INSTALLED BY DELDOT TRAFFIC FORCES. UPON NOTIFICATION OF COMPLETION OF ITMS FACILITIES AND/OR SITE AREA BY THE CONTRACTOR, DELDOT TRAFFIC FORCES WILL DEVELOP A SCHEDULE OF WHEN WORK CAN BE PERFORMED TO BOTH AVOID AND WORK WITHIN THE CONTRACTOR'S PROPOSED SCHEDULE OF WORK.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ITMS CONDUITS WITH LIGHTING CONDUITS. ITMS AND LIGHTING CONDUITS MAY SHARE A COMMON TRENCH BUT SHALL NOT SHARE COMMON JUNCTION WELLS.



STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-24	(3)	WB-13	48" x 48"	1

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
1	1	4" PVC	260'	T	

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

G:\60049040-US301\CIVIL\PLANS\2A\CP\SS-01.DGN



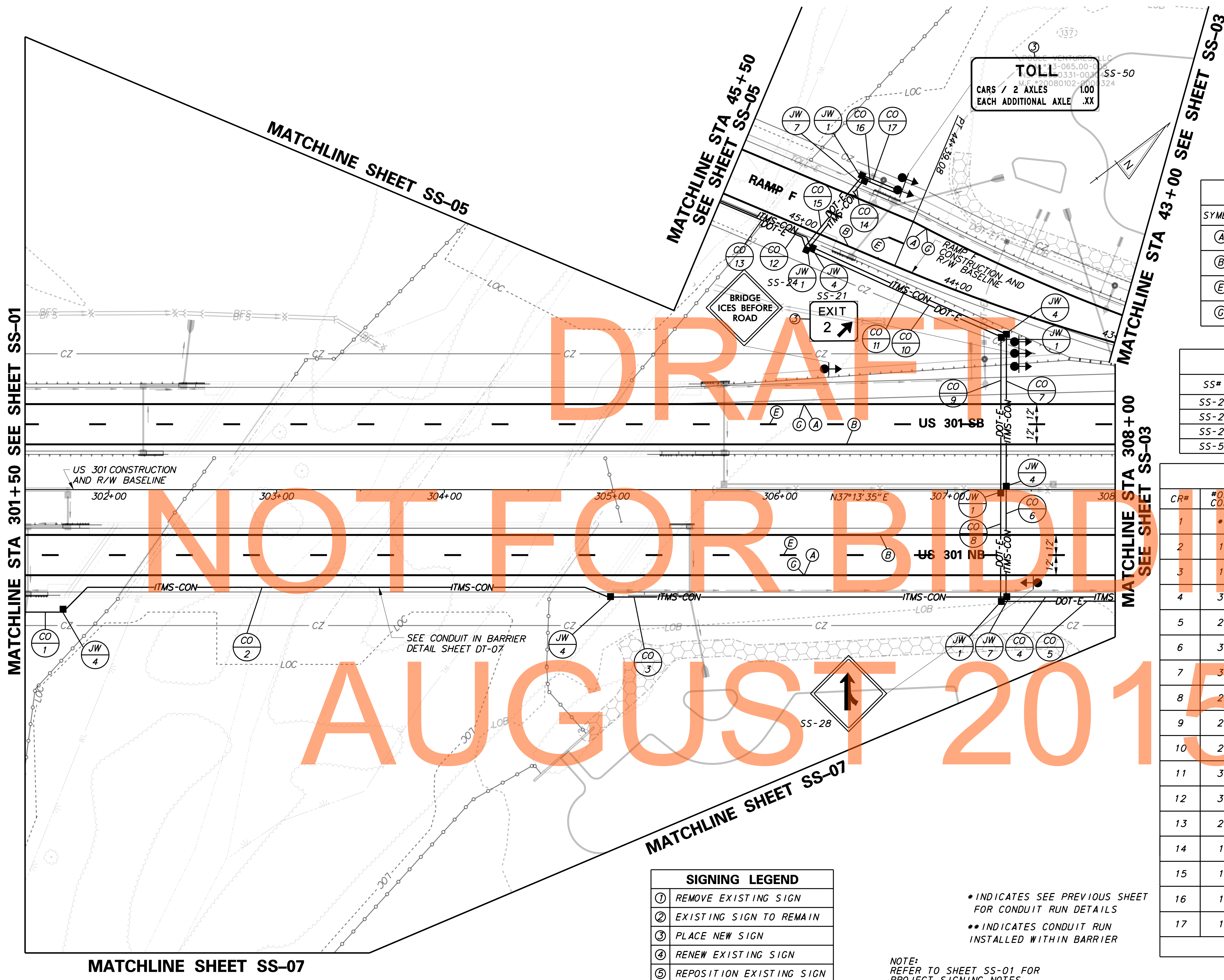
ADDENDUMS / REVISIONS

**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DRB SF
NEW CASTLE		

SIGNING, STRIPING & CONDUIT PLAN	SS-01
	SHEET NO. 1035
	TOTAL SHTS. 1256

DRAFT
NOT FOR BIDDING
AUGUST 2015



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,548 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,550 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	355 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,548 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-21	(3)	E5-1A	72" x 60"	1
SS-24	(3)	WB-13	48" x 48"	1
SS-28	(3)	W4-1R	48" x 48"	1
SS-50	(3)	R3-2B	114" x 48"	1

CONDUIT RUN SCHEDULE					
CR#	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
1	*	*	*	T	*
2	1	4" PVC	330'	**	
3	1	4" PVC	235'	T	
4	3	4" PVC	270'	T	
5	2	4" GRS	270'	T	
6	3	4" PVC	65'	T	
7	3	4" PVC	95'	T	
8	2	4" GRS	65'	T	
9	2	4" GRS	95'	T	
10	2	4" GRS	125'	T	
11	3	4" PVC	125'	T	
12	3	4" PVC	205'	**	
13	2	4" GRS	205'	**	3-1/C #8 AWG
14	1	4" PVC	55'	T	
15	1	2" GRS	55'	T	3-1/C #8 AWG
16	1	4" PVC	25'	T	
17	1	2" GRS	25'	T	3-1/C #8 AWG

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

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

* INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
 ** INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T200911303	BRIDGE NO. DESIGNED BY: JE JW	SIGNING, STRIPING & CONDUIT PLAN	COUNTY NEW CASTLE	CHECKED BY: DRB SF	SS-02 SHEET NO. 1036
	DELAWARE DEPARTMENT OF TRANSPORTATION		TOTAL SHTS. 1256						

POOLE VENTURES, LLC
T.M.#23-065.00-005
INS.#20050331-0030404
M.F.#20080102-0000324

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
4*	*	*	*	*	*
5*	*	*	*	*	*
35*	*	*	*	*	*
36*	*	*	*	*	*
37	1	3" GRS	55'	T	
38	2	4" PVC	55'	T	

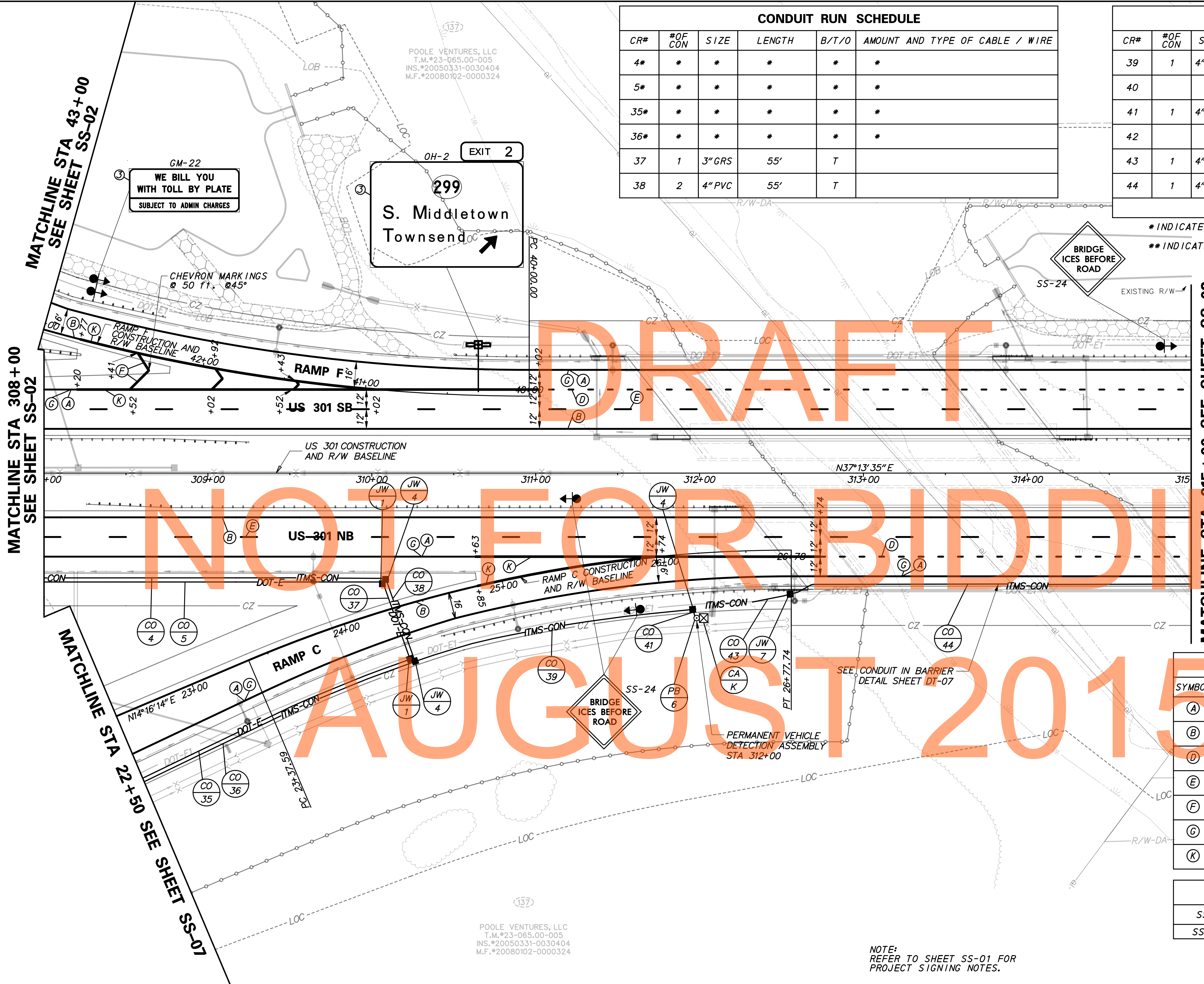
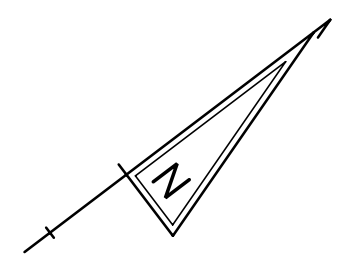
CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
39	1	4" PVC	165'	T	
40					NOT USED
41	1	4" PVC	10'	T	
42					NOT USED
43	1	4" PVC	65'	T	
44	1	4" PVC	295'	**	

B=BORE, T=TRENCH, O=OPEN CUT
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
**INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

GM-22
WE BILL YOU WITH TOLL BY PLATE SUBJECT TO ADMIN CHARGES

299
S. Middletown
Townsend

BRIDGE ICES BEFORE ROAD



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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,648 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,658 LF
(D)	1.3" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	156 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	350 LF
(F)	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKING (TAPE) (ITEM 748513)	53 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,648 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	785 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-24	③	WB-13	48" x 48"	3

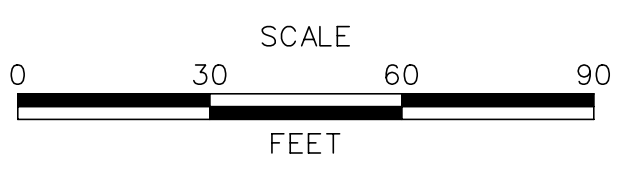
NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

P:\CADD\26049040 US301\CIVIL\PLANS\2A\CP\AET\SS-03.DGN

POOLE VENTURES, LLC
T.M.#23-065.00-005
INS.#20050331-0030404
M.F.#20080102-0000324

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	T200911303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	JE JW
CHECKED BY:	DRB SF

SIGNING, STRIPING & CONDUIT PLAN

SS-03	SHEET NO.	1037
	TOTAL SHTS.	1256

RAMP F
STATION 53+86.02
SEE CONTRACT T200811301

POOLE VENTURES, LLC
 T.M.#23-065.00-005
 INS.#20050331-0030404
 M.F.#20080102-0000324

← Levels Rd
 Warwick Rd →

LEFT LANE
 MUST
 TURN LEFT
 SS-30

MATCHLINE STA 50+00 SEE SHEET SS-05

NOT FOR BIDDING

AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	547 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	386 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	60 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	400 SF
(I)	RETROREFLECTIVE PREFORMED PATTERNED MARKING SYMBOL/LEGEND (ITEM 748529)	54 SF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	147 LF
(P)	10" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 2' LINE & 6' GAP (ITEM 748565)	59 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-30	③	R3-7L	30" x 30"	1
SS-47	③	D1-2	90" x 30"	1

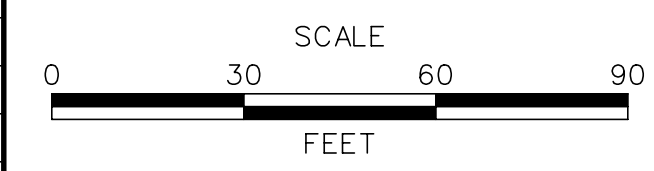
MATCHLINE SHEET SS-01

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS	



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

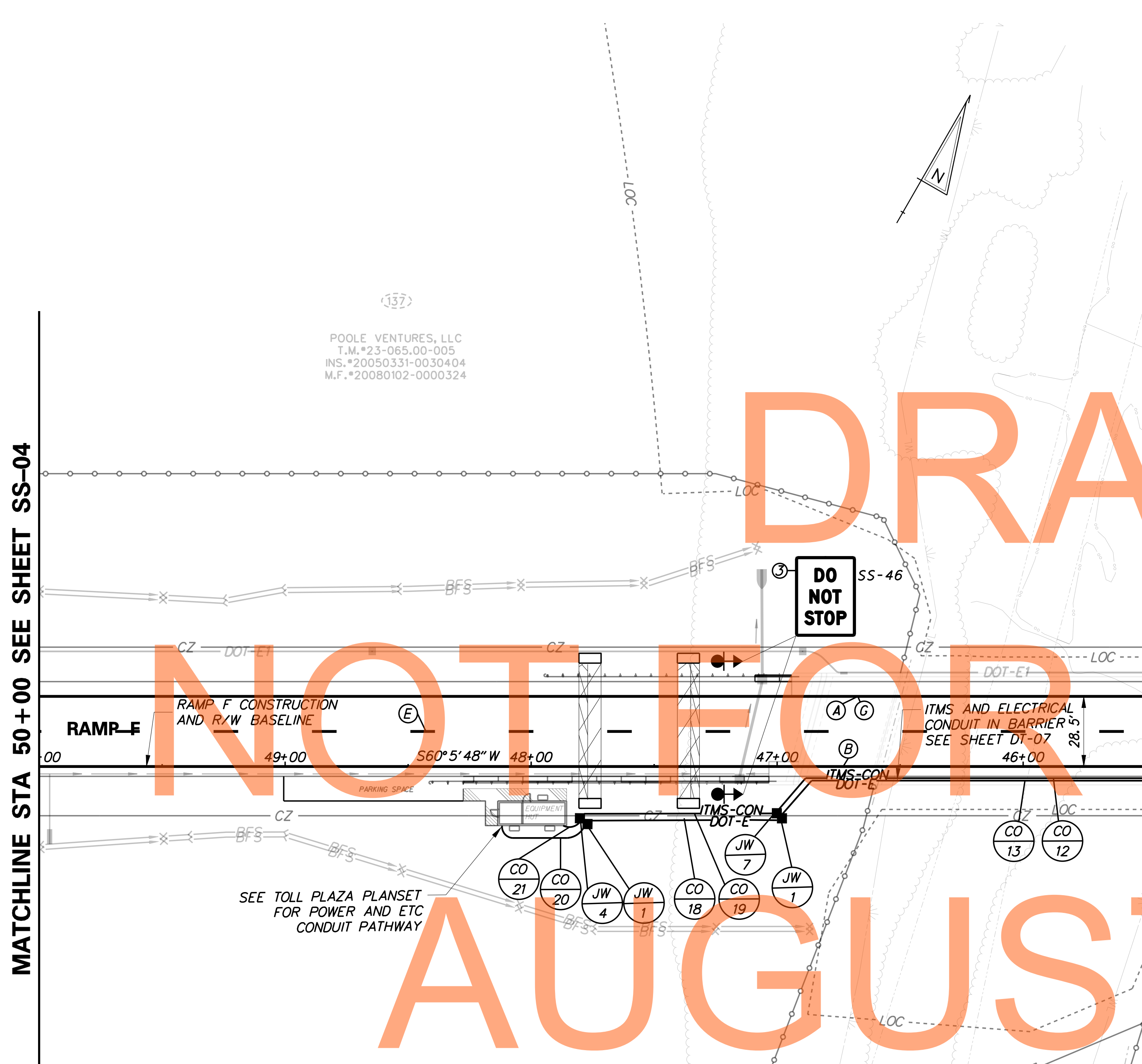
SIGNING, STRIPING & CONDUIT PLAN

SS-04
SHEET NO.
1038
TOTAL SHTS.
1256

POOLE VENTURES, LLC
 T.M.#23-065,00-005
 INS.#20050331-0030404
 M.F.#20080102-0000324

MATCHLINE STA 50+00 SEE SHEET SS-04

MATCHLINE STA 45+50 SEE SHEET SS-02



MATCHLINE SEE SHEET SS-02

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
12	*	*	*	**	*
13	*	*	*	**	*
18	2	4" GRS	85'	T	3-1/C #8 AWG
19	3	4" PVC	85'	T	
20	2	4" GRS	20'	T	3-1/C #8 AWG
21	3	4" PVC	20'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
 **INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	450 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	450 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	113 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	450 LF

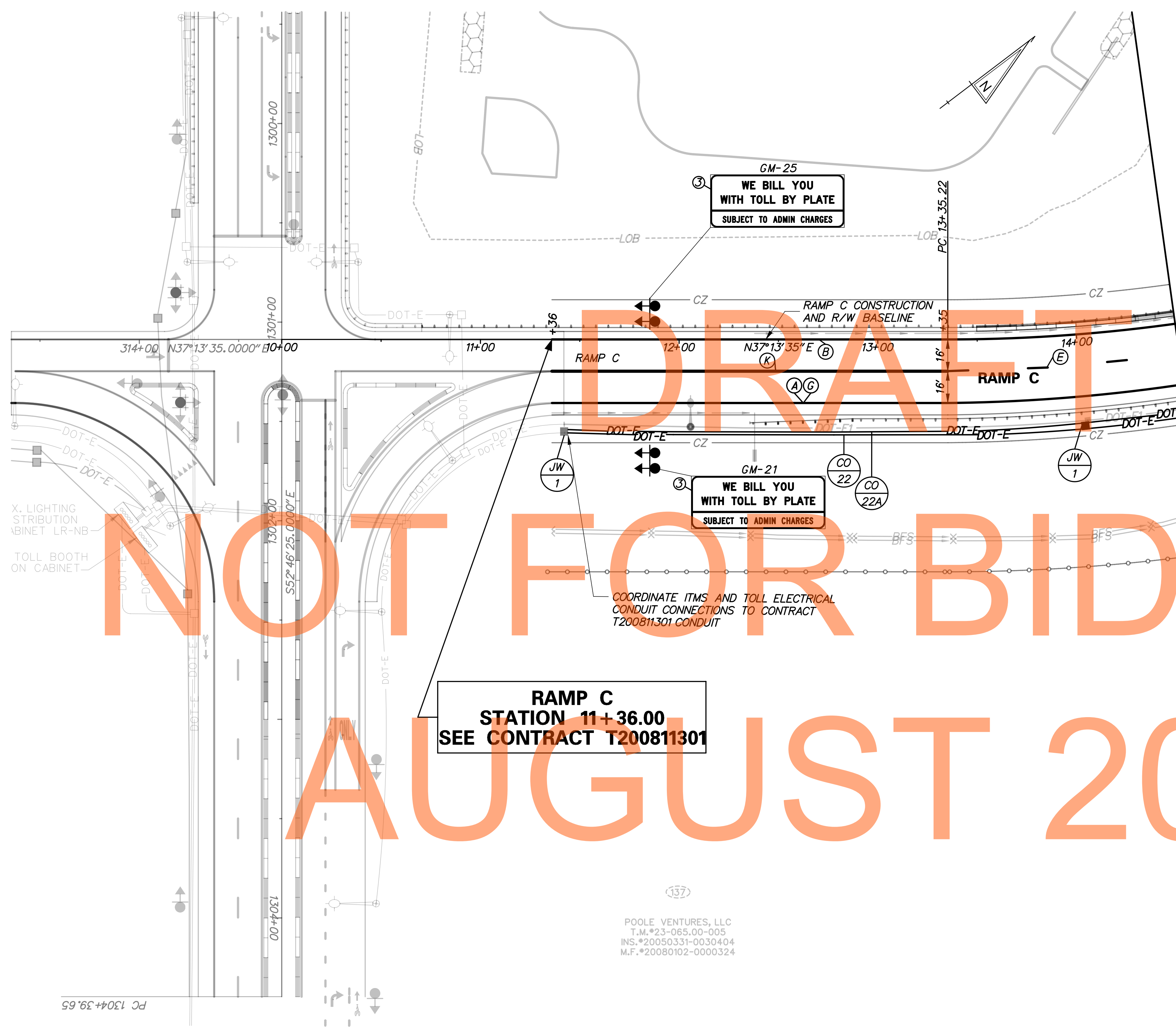
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-46	③		36" x 48"	2

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.

P:\CADD\260049040_US301\CIVIL\PLANS\2A_CPLA\ET\SS-05.DGN

	ADDENDUMS / REVISIONS		SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303	BRIDGE NO. _____	SIGNING, STRIPING & CONDUIT PLAN	SHEET NO. 1039
	COUNTY NEW CASTLE	DESIGNED BY: JE JW			CHECKED BY: DRB SF	TOTAL SHTS. 1256		

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NOT FOR BIDDING

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
22	1	2"GRS	255'	T	3-1/C #2 AWG
22A	1	3"GRS	255'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND

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

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	318 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	314 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	30 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	318 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	199 LF

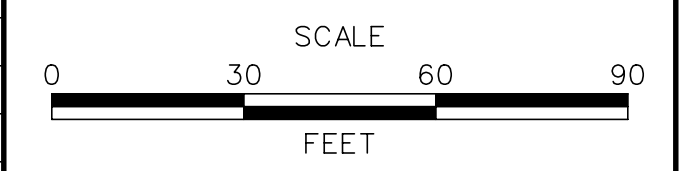
RAMP C
STATION 11+36.00
SEE CONTRACT T200811301

POOLE VENTURES, LLC
 T.M.#23-065,00-005
 INS.#20050331-0030404
 M.F.#20080102-0000324

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.



ADDENDUMS / REVISIONS	



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN

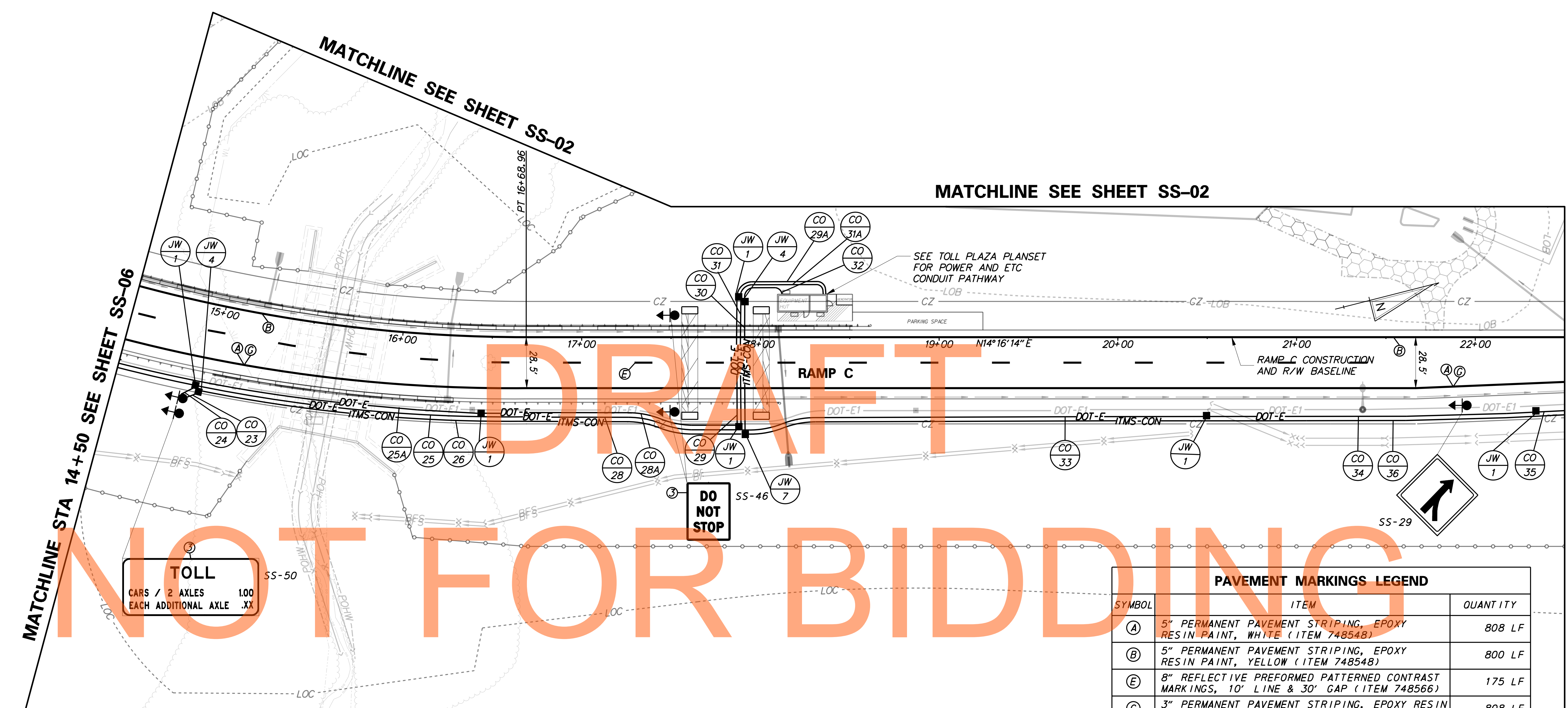
SS-06
SHEET NO.
1040
TOTAL SHTS.
1256

MATCHLINE STA 14+50 SEE SHEET SS-06

MATCHLINE SEE SHEET SS-02

MATCHLINE SEE SHEET SS-02

MATCHLINE STA 22+50 SEE SHEET SS-03



TOLL
CARS / 2 AXLES 1.00
EACH ADDITIONAL AXLE .XX

DO NOT STOP

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	808 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	800 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	175 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	808 LF

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

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
23	1	4" PVC	10'	T	
24	1	2" GRS	10'	T	3-1/C #8 AWG
25	1	2" GRS	290'	T	3-1/C #2 AWG 3-1/C #8 AWG
25A	1	3" GRS	250'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
26	1	4" PVC	290'	T	
28	1	2" GRS	175'	T	3-1/C #2 AWG 3-1/C #8 AWG
28A	1	3" GRS	195'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
29	1	3" GRS	80'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
29A	1	3" GRS	50'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
30	3	4" PVC	80'	T	
31	2	4" GRS	80'	T	3-1/C #8 AWG
31A	2	4" GRS	50'	T	3-1/C #8 AWG
32	3	4" PVC	45'	T	
33	2	4" GRS	260'	T	3-1/C #2 AWG
34	2	4" GRS	175'	T	3-1/C #2 AWG
35	2	4" GRS	195'	T	3-1/C #2 AWG
36	3	4" PVC	600'	T	

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-29	③	W4-5	48" x 48"	1
SS-46	③		36" x 48"	2
SS-50	③	R3-28	114" x 48"	1

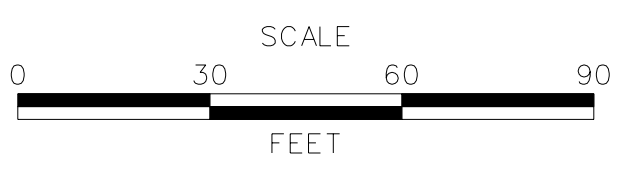
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-07
SHEET NO.
1041
TOTAL SHTS.
1256

142
 APPOQUINIMINK SCHOOL DISTRICT,
 AN AGENCY OF THE STATE OF DELAWARE
 T.M.*23-048.00-035
 INS.*20050617-0058778
 M.F.*20080506-0031060

144
 APPOQUINIMINK SCHOOL DISTRICT,
 AN AGENCY OF THE STATE OF DELAWARE
 T.M.*23-047.00-001
 INS.*20050617-0058779
 M.F.*20080506-0031060
 TCE-1

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
44	*	*	*	**	*
45	1	4" PVC	510'	T	
46	1	4" PVC	395'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
 **INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

DRAFT

NOT FOR BIDDING

AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,450 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,450 LF
(D)	13" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	264 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	362 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,450 LF

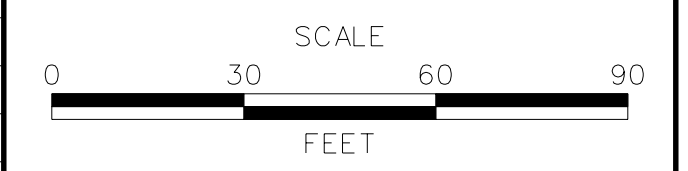
NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.

MATCHLINE STA 315+00 SEE SHEET SS-03

MATCHLINE STA 322+25 SEE SHEET SS-09



ADDENDUMS / REVISIONS



US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING &
 CONDUIT PLAN

SS-08
SHEET NO.
1042
TOTAL SHTS.
1256

144
 APOQUINIMINK SCHOOL DISTRICT,
 AN AGENCY OF THE STATE OF DELAWARE
 T.M.*23-047.00-001
 INS.*20050617-0058779
 M.F.*20080506-0031060

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
46*	*	*	*	T	*
47	1	4" PVC	435'	T	
48					NOT USED
49					NOT USED
50					NOT USED
50A					NOT USED
51	1	4" PVC	520'	T	
52					NOT USED

B=BORE, T=TRENCH, O=OPEN CUT
 *INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 322+25 SEE SHEET SS-08

MATCHLINE STA 329+50 SEE SHEET SS-10

DRAFT

NOT FOR BIDDING

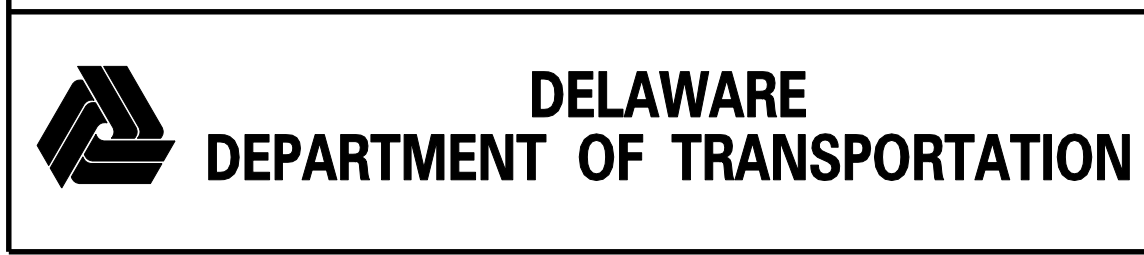
AUGUST 2015

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

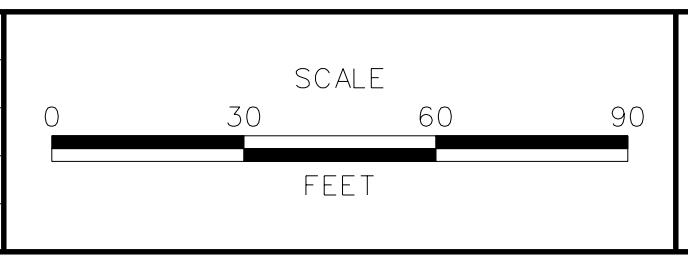
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,450 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,450 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	362 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,450 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-31	③	R2-1-65	48" x 60"	2

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.



ADDENDUMS / REVISIONS	



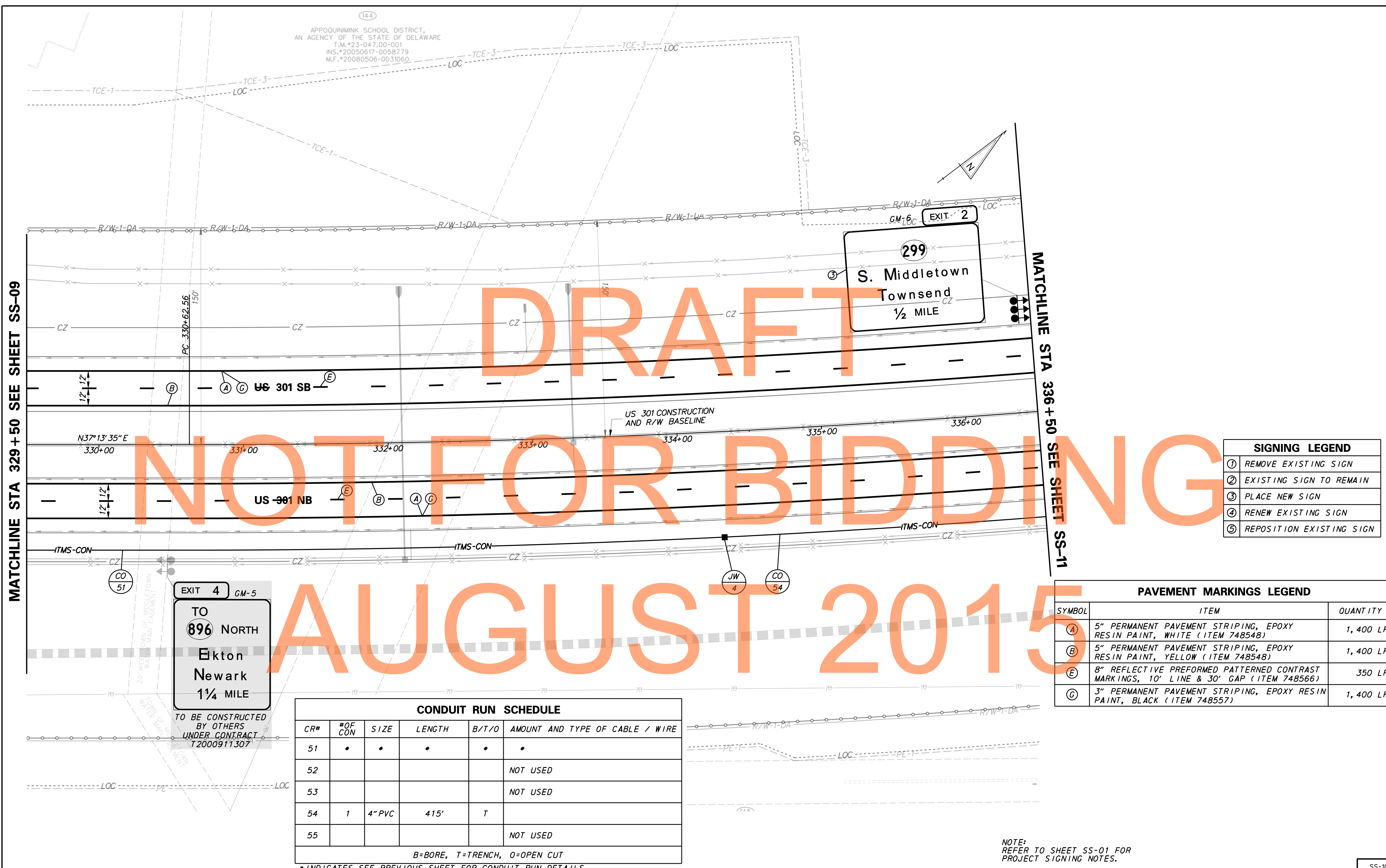
**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN	SS-09
	SHEET NO. 1043
	TOTAL SHTS. 1256

P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\LET\SS-09.DGN

144
 APPOQUINIMINK SCHOOL DISTRICT,
 AN AGENCY OF THE STATE OF DELAWARE
 T.M.#23-047.00-001
 INS.#20050617-0058779
 M.F.#20080506-0031060



DRAFT
 NOT FOR BIDDING
 AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,400 LF
Ⓑ	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,400 LF
Ⓔ	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	350 LF
Ⓒ	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,400 LF

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
51	*	*	*	*	*
52					NOT USED
53					NOT USED
54	1	4" PVC	415'	T	
55					NOT USED

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

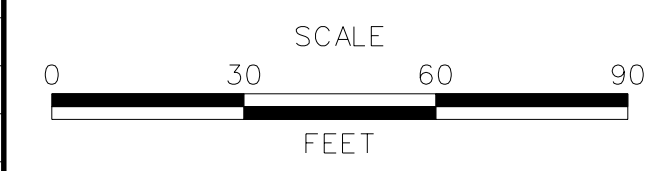
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

EXIT 4 GM-5
 TO
896 NORTH
 Ekton
 Newark
 1¼ MILE
 TO BE CONSTRUCTED
 BY OTHERS
 UNDER CONTRACT
 T2000911307

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.



ADDENDUMS / REVISIONS	



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW
	CHECKED BY: DRB SF

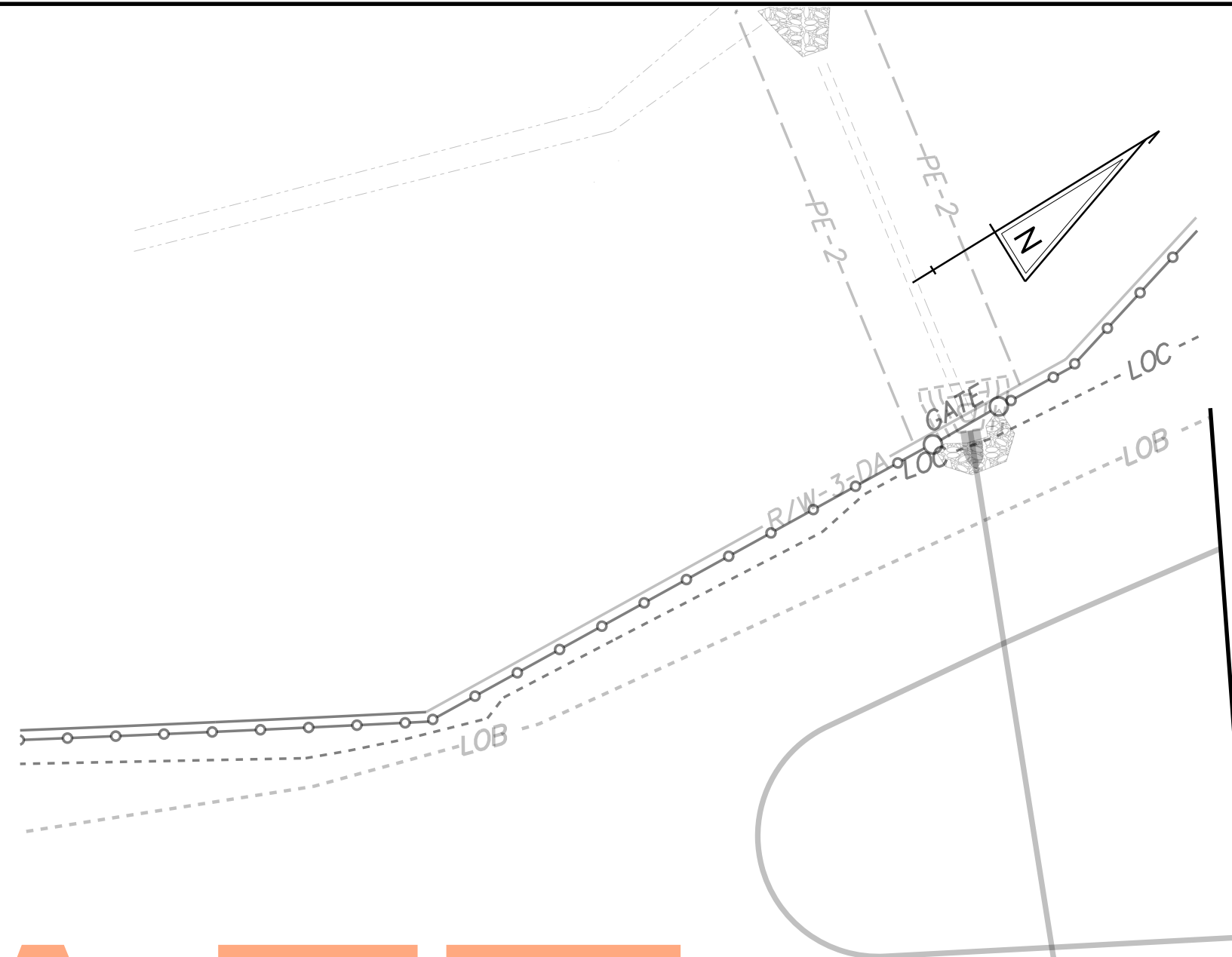
SIGNING, STRIPING & CONDUIT PLAN	SS-10
	SHEET NO. 1044
	TOTAL SHTS. 1256

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CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
54	*	*	*	*	*
55					NOT USED
56					NOT USED
57	1	4" PVC	10'	T	
58					NOT USED
59	1	4" PVC	215'	T	
60					NOT USED
61	1	4" PVC	425'	T	
62					NOT USED
63					NOT USED

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS



MATCHLINE STA 336+50 SEE SHEET SS-10

MATCHLINE STA 343+50 SEE SHEET SS-12

DRAFT
NOT FOR BIDDING
AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,400 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,400 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,400 LF

PERMANENT VEHICLE DETECTION ASSEMBLY STA 338+43

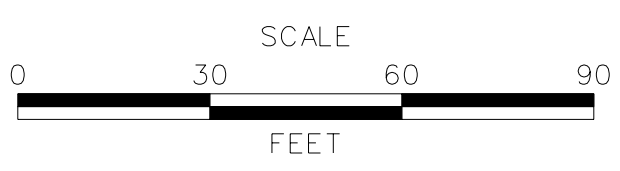
145
SPRING ARBOR HOMES, LP
T.M.*23-021.00-549
INS.*20050531-0051086
M.F.*20060726-0071031

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS

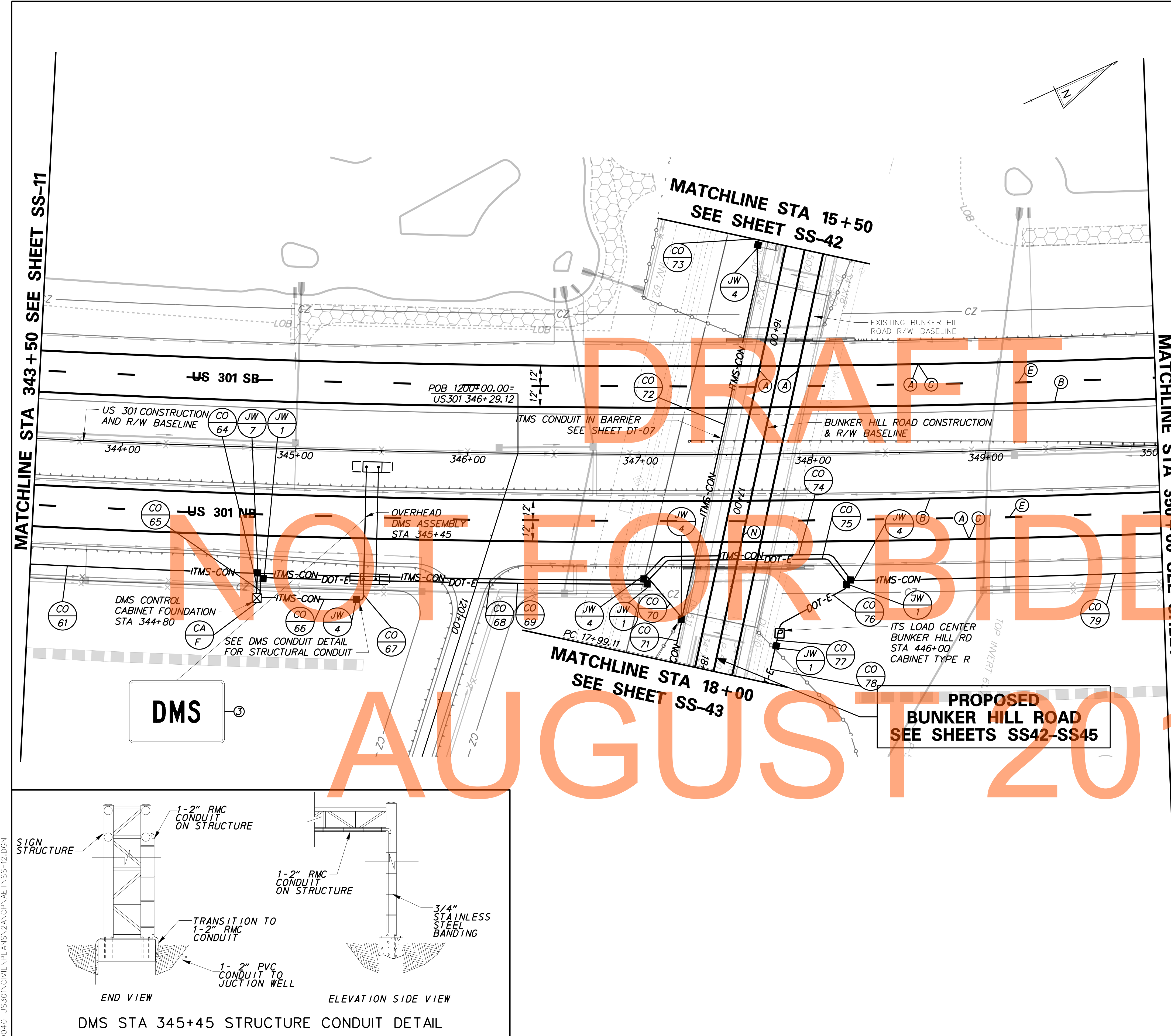


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-11
SHEET NO.
1045
TOTAL SHTS.
1256



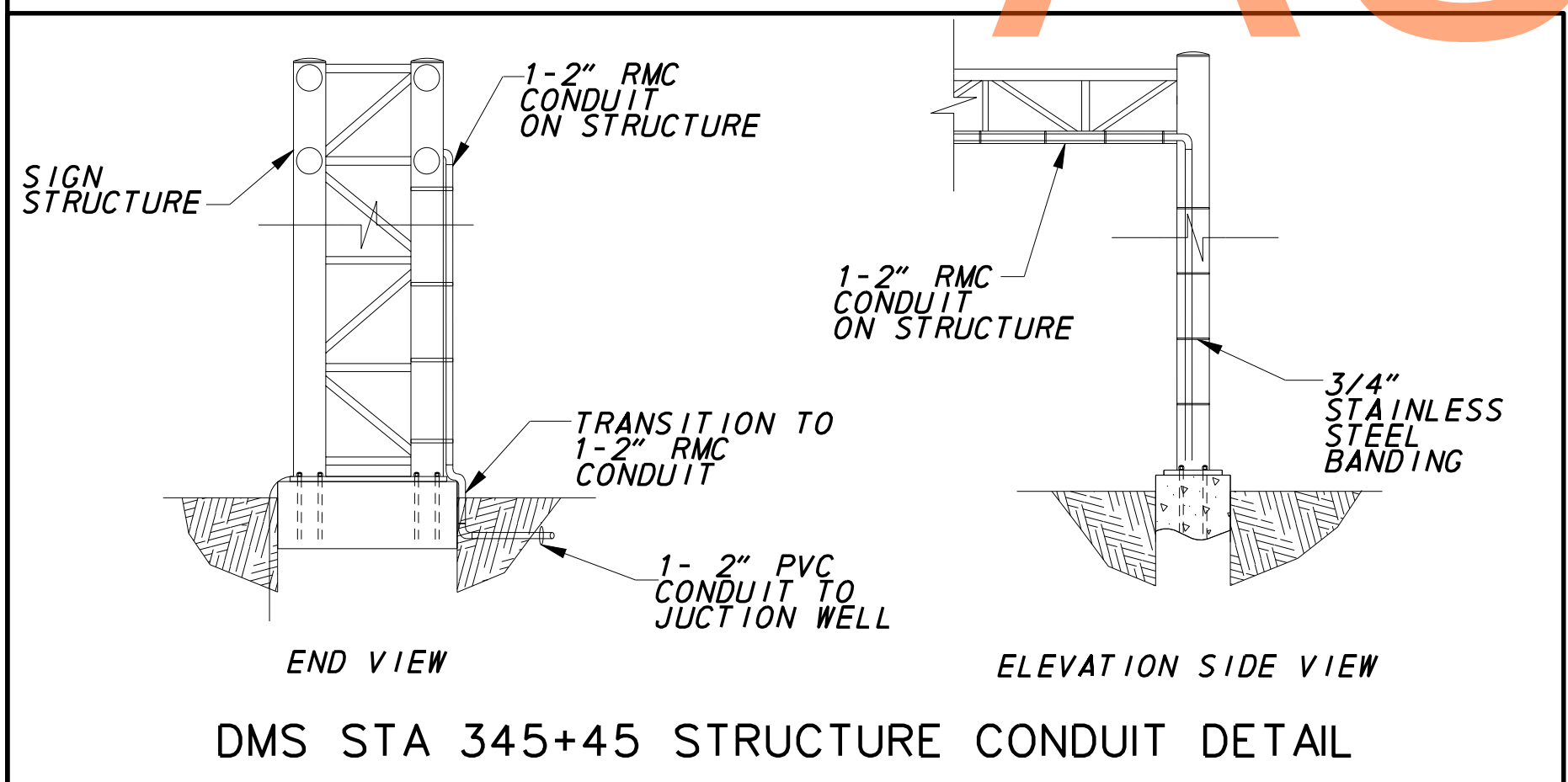
CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
61*	*	*	*	*	*
63*					NOT USED
64	1	4" PVC	15'	T	
65	1	2" GRS	15'	T	3-1/C #2 AWG
66	1	4" PVC	55'	T	DMS CONTROL CABLE
67	1	2" GRS	15'	T	DMS CONTROL CABLE
68	1	4" PVC	225'	T	
69	1	2" GRS	225'	T	3-1/C #2 AWG
70	1	4" PVC	30'	T	
71	1	4" PVC		T	
72	1	4" PVC	225'	**	
73*	*	*	*	*	*
74	1	4" PVC	125'	T	
75	1	2" GRS	125'	T	3-1/C #2 AWG
76	1	2" GRS	45'	T	3-1/C #2 AWG
77	1	2" GRS	10'	T	
78	1	2" GRS	60'	T	3-1/C #2 AWG SERVICE
79	1	4" PVC	210'	T	
80					NOT USED

B=BORE, T=TRENCH, O=OPEN CUT
 *INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
 **INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

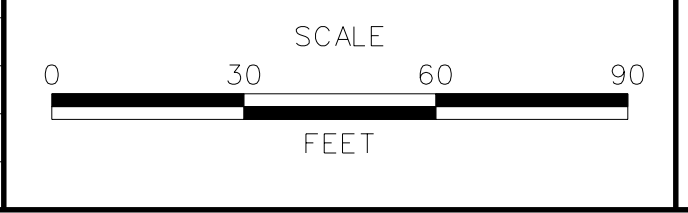
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,800 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,300 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,300 LF
(N)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW (ITEM 748548)	500 LF

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

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.



ADDENDUMS / REVISIONS



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN	SS-12
	SHEET NO. 1046
	TOTAL SHTS. 1256

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,500 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,500 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	375 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,500 LF

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
79*	*	*	*	*	*
80*					NOT USED
81	1	4" PVC	525'	T	
82					NOT USED
83					NOT USED
84	1	4" PVC	480'	T	
85					NOT USED

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 350+00 SEE SHEET SS-12

MATCHLINE STA 357+50 SEE SHEET SS-14

DRAFT

NOT FOR BIDDING

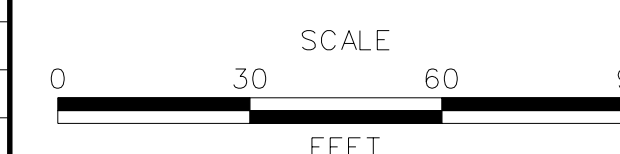
AUGUST 2015

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

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-19	③	M3-1	30" x 15"	1
SS-20	③	M1-4	60" x 48"	1

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-13
SHEET NO.
1047
TOTAL SHTS.
1256



157
 MAPLE GROVE ASSOCIATES, LP
 T.M.#13-022.00-001
 D.R.1271-0190

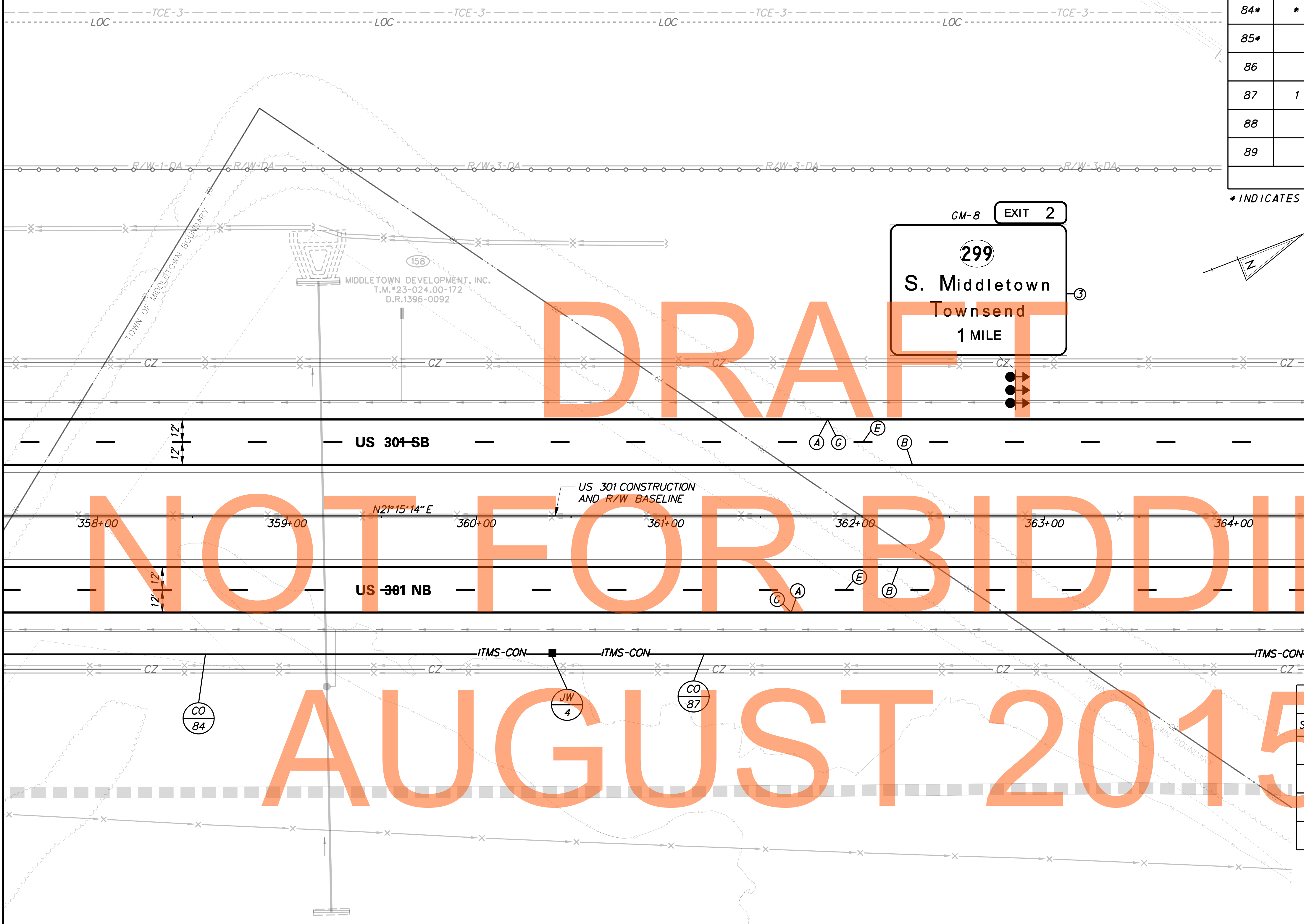
CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
84*	*	*	*	*	*
85*					NOT USED
86					NOT USED
87	1	4" PVC	440'	T	
88					NOT USED
89					NOT USED

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

* INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 357+50 SEE SHEET SS-13

MATCHLINE STA 364+50 SEE SHEET SS-15



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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,400 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,400 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	350 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,400 LF

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.

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	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGNING, STRIPING & CONDUIT PLAN	SS-14
					T20091303		
				COUNTY	CHECKED BY: DRB SF		TOTAL SHTS. 1256
				NEW CASTLE			

CONDUIT RUN SCHEDULE					
CR#	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
87*	*	*	*	*	*
89*					NOT USED
90	1	4" PVC	10'	T	
91					NOT USED
92	1	4" PVC	305'	T	
93	1	4" PVC	405'	T	

B=BORE, T=TRENCH, O=OPEN CUT
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 364+50 SEE SHEET SS-14

MATCHLINE STA 371+00 SEE SHEET SS-16

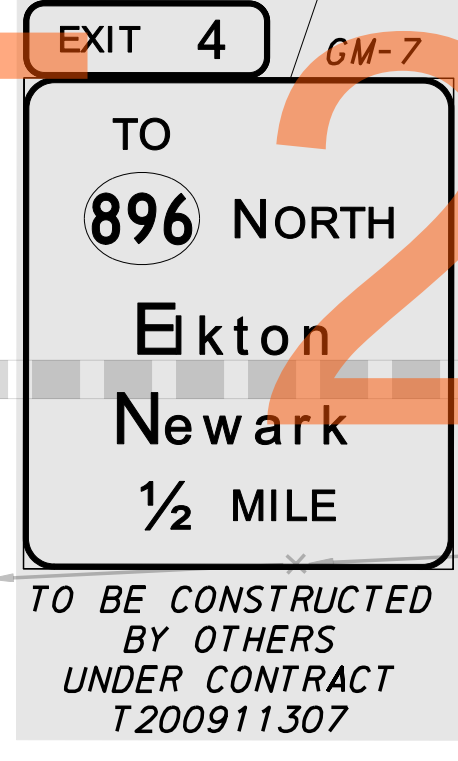
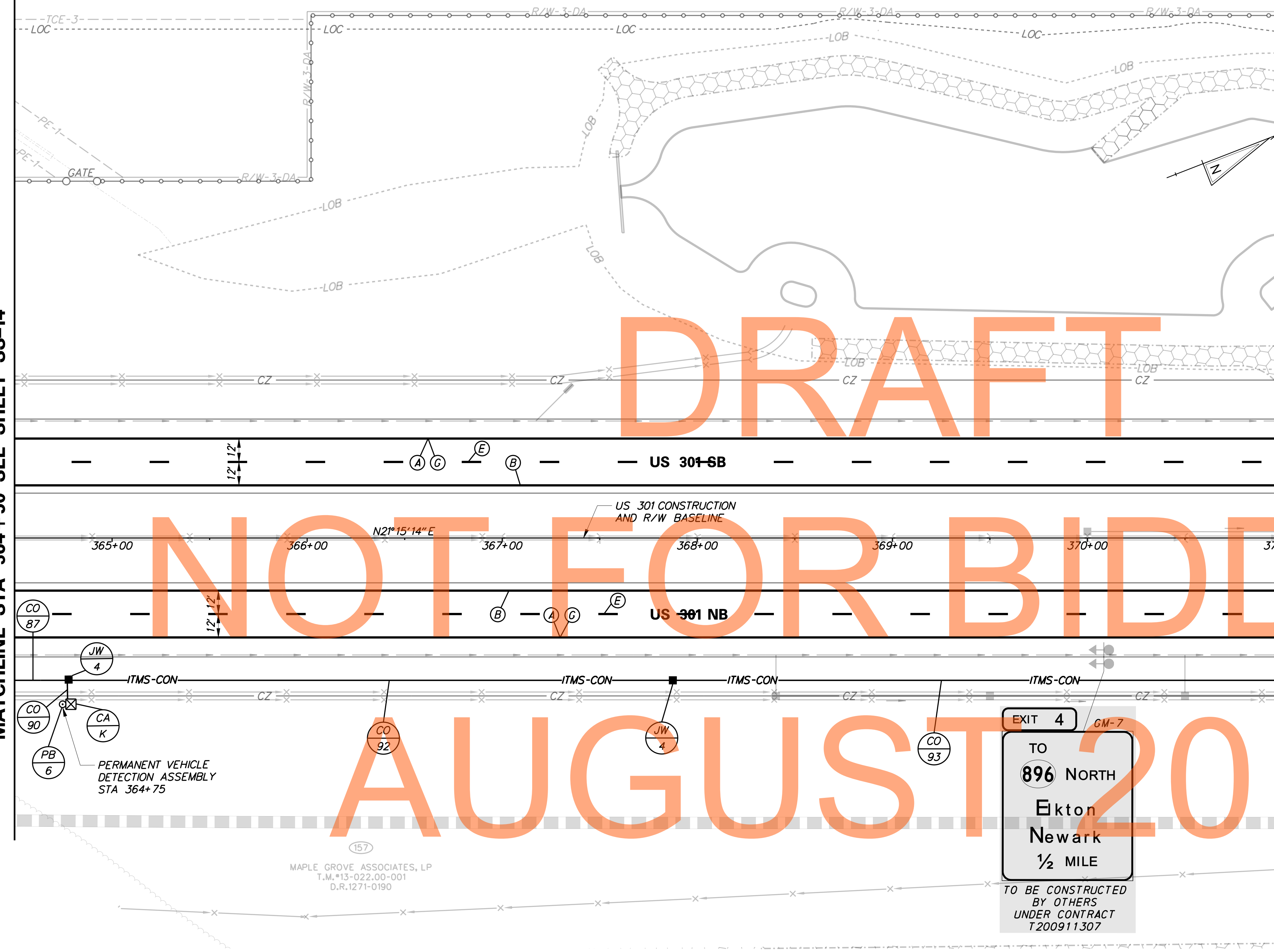
DRAFT

NOT FOR BIDDING

AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,300 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,300 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,300 LF



NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	<p>SCALE</p> <p>FEET</p>	<p>US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD</p>	CONTRACT T200911303	BRIDGE NO.	<p>SIGNING, STRIPING & CONDUIT PLAN</p>	SS-15
					COUNTY NEW CASTLE		DESIGNED BY: JE JW CHECKED BY: DRB SF

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
93*	*	*	*	*	*
94	1	4" PVC	400'	T	
95	1	4" PVC	385'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

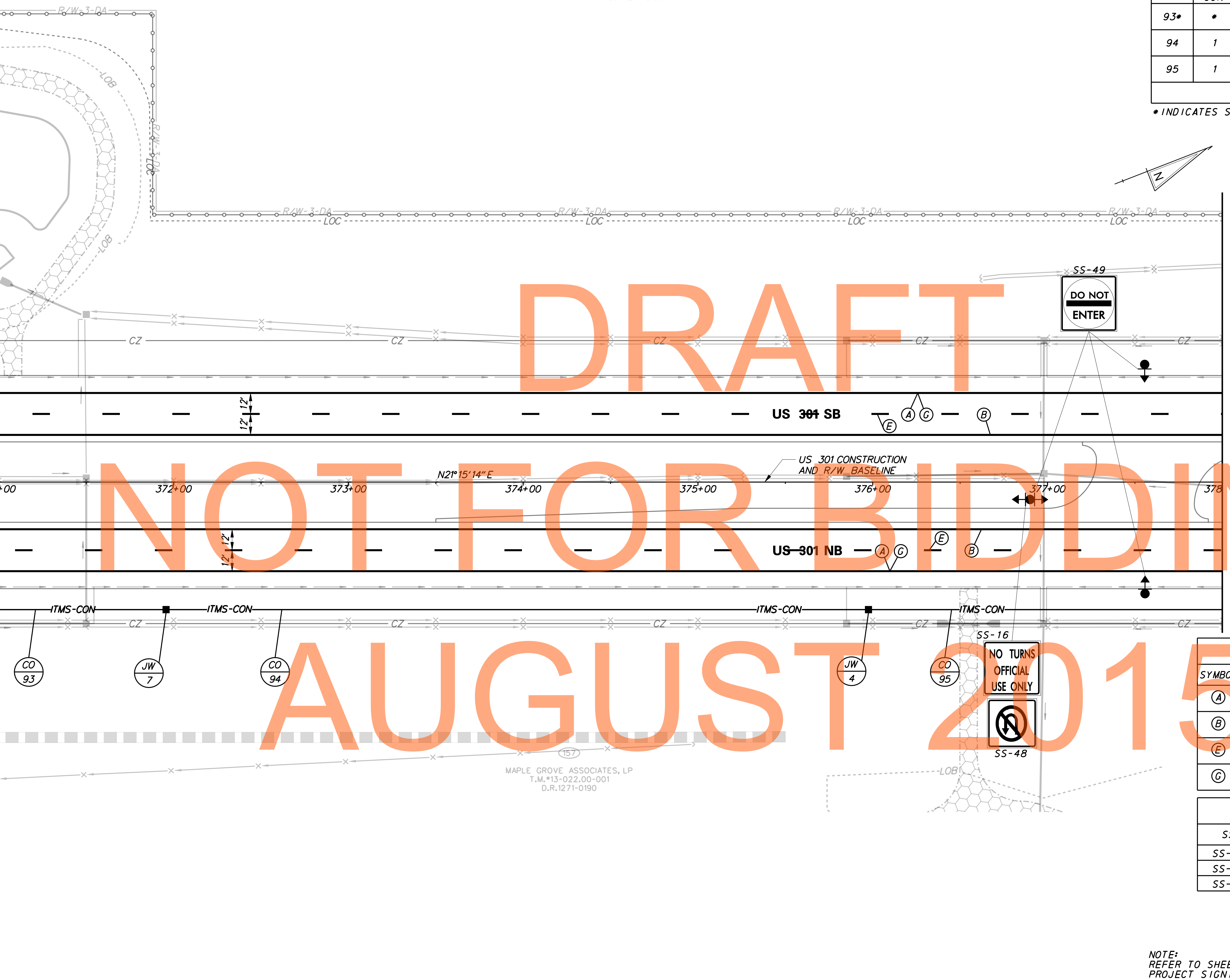
MATCHLINE STA 371+00 SEE SHEET SS-15

MATCHLINE STA 378+00 SEE SHEET SS-17

DRAFT

NOT FOR BIDDING

AUGUST 2015



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

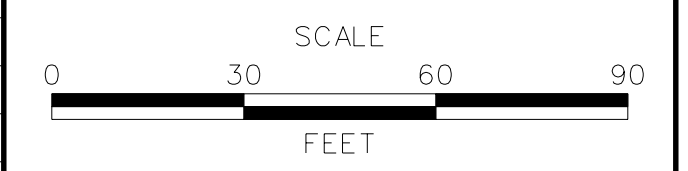
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,400 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,400 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	350 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,400 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-49	③	R5-1	48" x 48"	3
SS-16	③	R3-3-DE	24" x 24"	1
SS-48	③	R3-4	36" x 36"	1

NOTE:
 REFER TO SHEET SS-01 FOR
 PROJECT SIGNING NOTES.

G:\60049040-US301\CIVIL\PLANS\2A\CP\AET\SS-16.DGN

ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

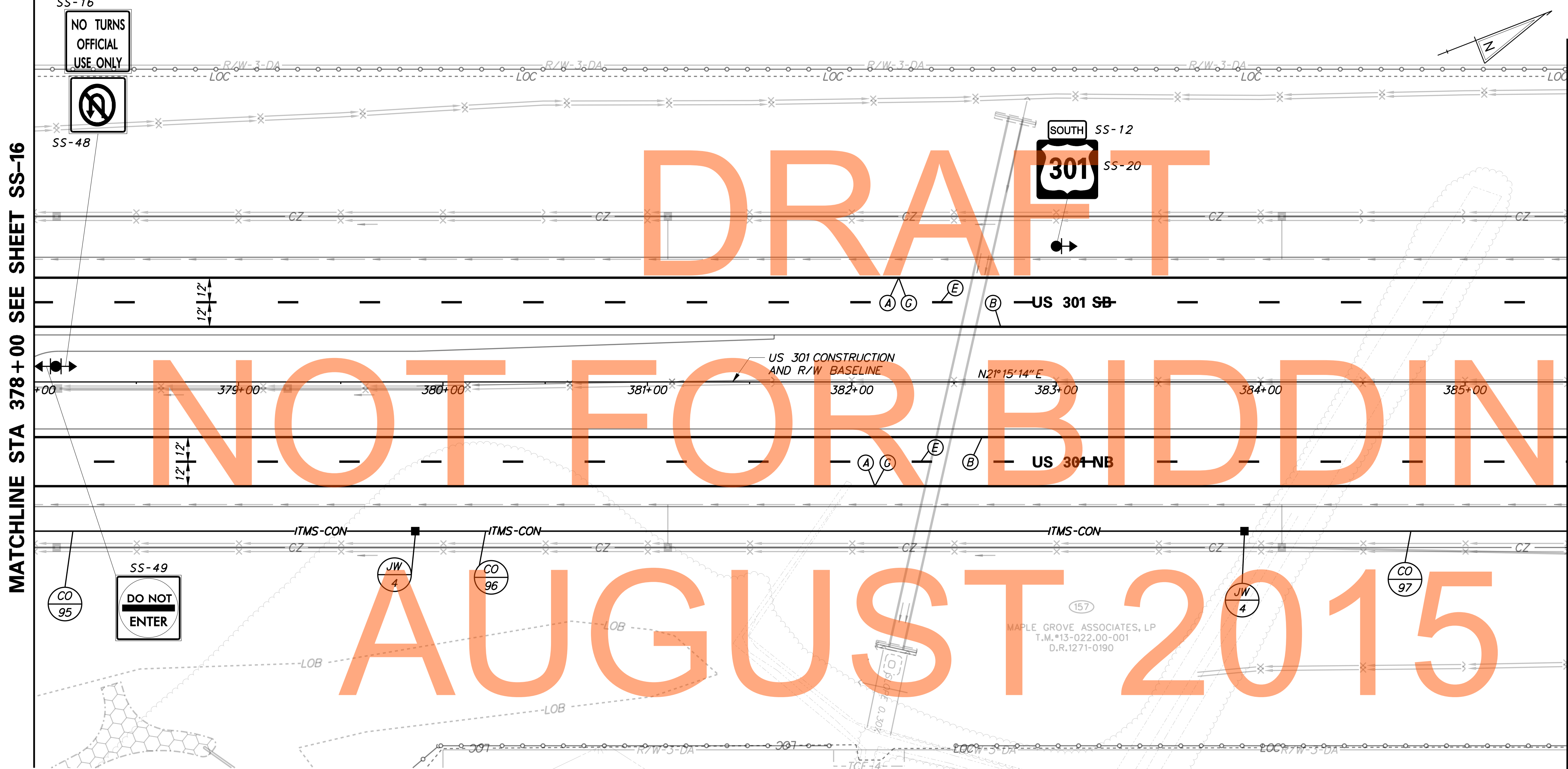
SS-16
SHEET NO.
1050
TOTAL SHTS.
1256

157
 MAPLE GROVE ASSOCIATES, LP
 T.M.#13-022.00-001
 D.R.1271-0190

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
95*	*	*	*	*	*
96	1	4" PVC	405'	T	
97	1	4" PVC	410'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS



DRAFT
 NOT FOR BIDDING
 AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,500 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,500 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	375 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,500 LF

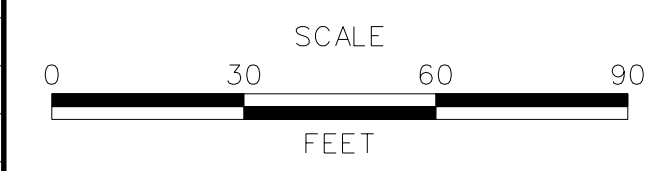
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-49	③	R5-1	48" x 48"	1
SS-12	③	M3-3	30" x 15"	1
SS-16	③	R3-3-DE	24" x 24"	1
SS-20	③	M1-4	60" x 48"	1
SS-48	③	R3-4	36" x 36"	1

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS	



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW
	CHECKED BY: DRB SF

**SIGNING, STRIPING &
 CONDUIT PLAN**

SS-17
SHEET NO. 1051
TOTAL SHTS. 1256

MATCHLINE SEE SHEET SS-19

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
97*	*	*	*	*	*
98	1	4" PVC	325'	T	
99	1	4" PVC	15'	T	
100					NOT USED
101	1	4" PVC	160'	T	
102					NOT USED

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
103	1	3"GRS	260'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND
104	1	2"GRS	260'	T	3-1/C 1/O AWG
105	1	3"GRS	240'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND
106	1	2"GRS	240'	T	3-1/C 1/O AWG
107	1	2"GRS	245'	T	3-1/C 1/O AWG
108	1	3"GRS	245'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 385+50 SEE SHEET SS-17

MATCHLINE STA 392+50 SEE SHEET SS-20

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AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,400 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,400 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	350 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,400 LF

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

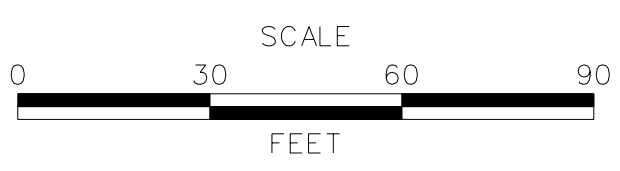
157
MAPLE GROVE ASSOCIATES, LP
T.M.#13-022.00-001
D.R.1271-0190

CROSSLAND ESTATES, LLC
T.M.#13-017.00-004
INS.#20071011-0088942

157
MAPLE GROVE ASSOCIATES, LP
T.M.#13-022.00-001
D.R.1271-0190

161
CROSSLAND ESTATES, LLC
T.M.#13-017.00-004
INS.#20071011-0088942

ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	T200911303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	JE JW
CHECKED BY:	DRB SF

SIGNING, STRIPING & CONDUIT PLAN

SS-18
SHEET NO.
1052
TOTAL SHTS.
1256

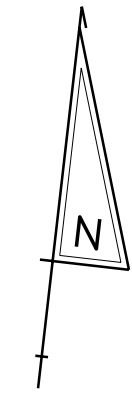
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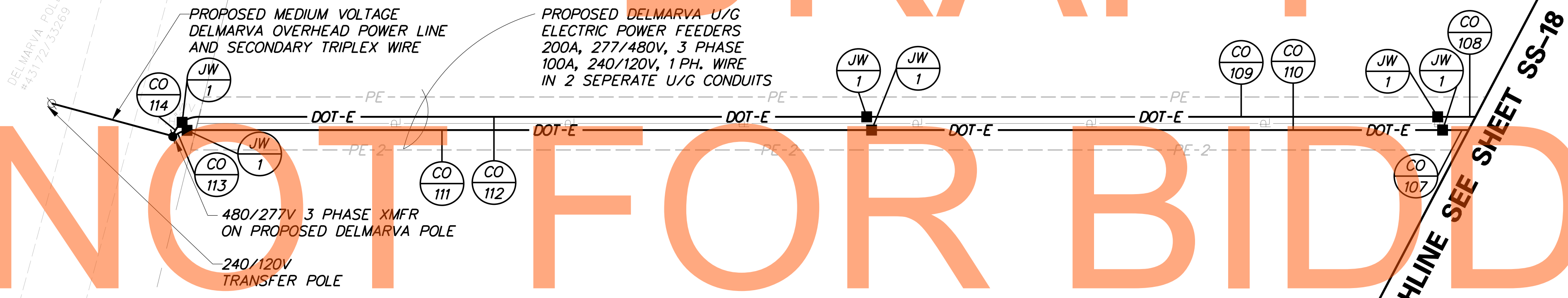
387
CHOPTANK, LLC
T.M.#13-016.00-009
D.R.2766-301

DELMARVA POLE
#43172/33269

161
CROSSLAND ESTATES, LLC
T.M.#13-017.00-004
INS.#20071011-0088942



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NOT FOR BIDDING
AUGUST 2015



15
MAPLE GROVE ASSOCIATES, LP
T.M.#13-022.00-001
D.R.1271-0180

CONDUIT RUN SCHEDULE					
CR#	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
107*	*	*	*	*	*
108*	*	*	*	*	*
109	1	3" GRS	210'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND
110	1	2" GRS	210'	T	3-1/C 1/O AWG
111	1	2" GRS	250'	T	3-1/C 1/O AWG
112	1	3" GRS	250'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND
113	1	2" GRS	10'	T	3-1/C 1/O AWG
114	1	3" GRS	10'	T	4-1/C #350KCMIL 1-1/C 2/O AWG GROUND

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

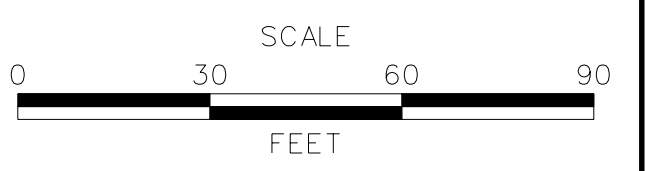
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

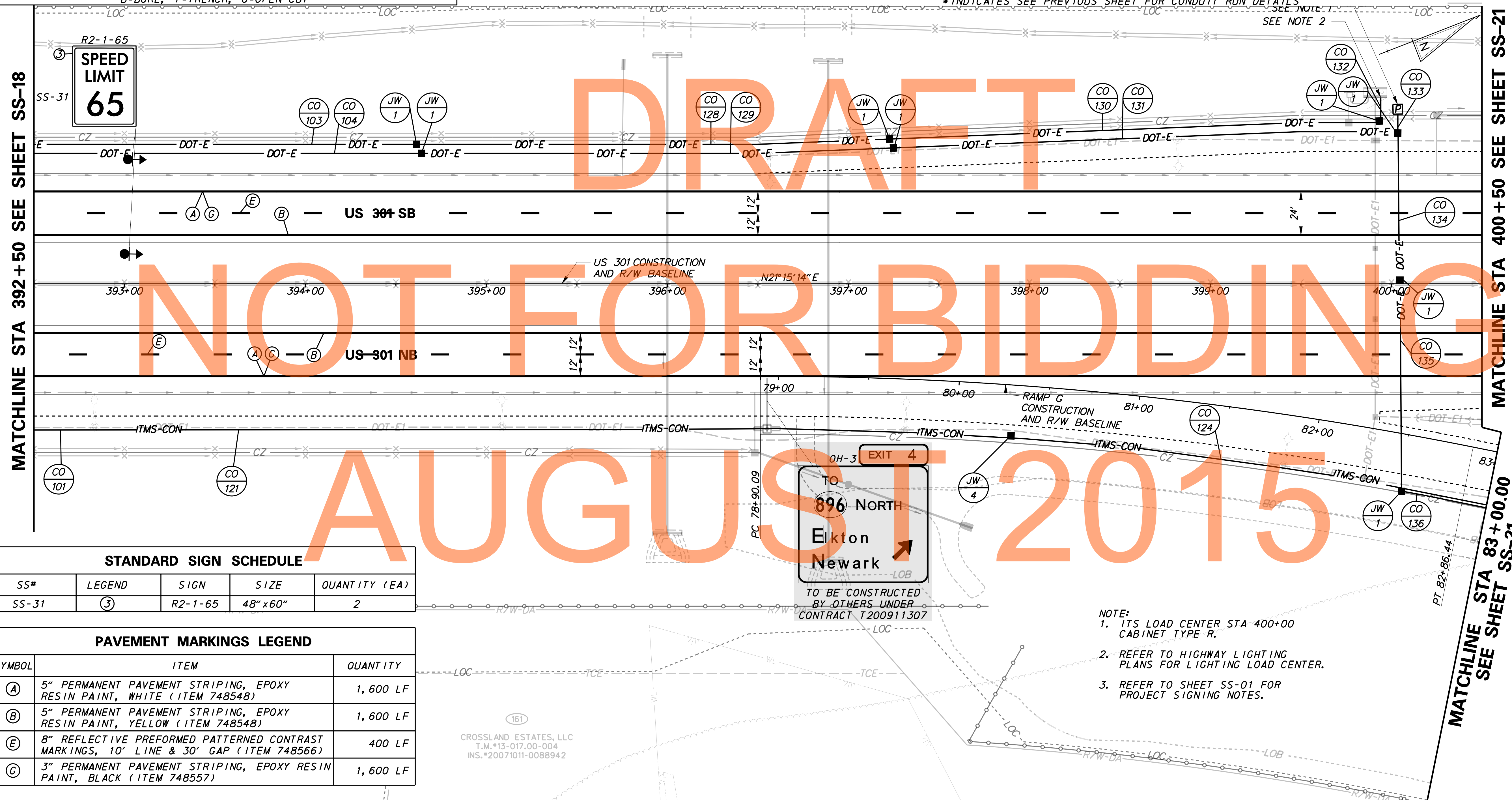
**SIGNING, STRIPING &
CONDUIT PLAN**

SS-19
SHEET NO.
1053
TOTAL SHTS.
1256

CONDUIT RUN SCHEDULE						CONDUIT RUN SCHEDULE						CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE	CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE	CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
101*	*	*	*	*	*	119					NOT USED	129	1	2"GRS	250'	T	3-1/C 1/0 AWG
102*					NOT USED	120					NOT USED	130	1	3"GRS	270'	T	4-1/C #350KCMIL 1-1/C 2/0 AWG GROUND
103*	*	*	*	*	*	121	1	4"PVC	510'	T		131	1	2"GRS	270'	T	3-1/C 1/0 AWG
104*					NOT USED	122					NOT USED	132	1	3"GRS	15'	T	4-1/C #350KCMIL 1-1/C 2/0 AWG GROUND
115					NOT USED	123					NOT USED	133	1	3"GRS	10'	T	3-1/C 1/0 AWG, 3-1/C #2 AWG
116					NOT USED	124	1	4"PVC	395'	T		134	1	3"GRS	80'	T	3-1/C #2 AWG
117					NOT USED	125					NOT USED	135	1	3"GRS	115'	T	3-1/C #2 AWG
118					NOT USED	128	1	3"GRS	250'	T	4-1/C #350KCMIL 1-1/C 2/0 AWG GROUND	136	1	2"GRS	75'	T	3-1/C #2 AWG

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS



MATCHLINE STA 392+50 SEE SHEET SS-18

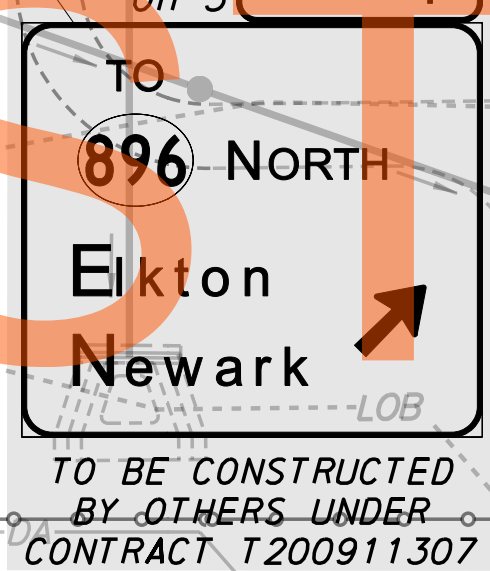
MATCHLINE STA 400+50 SEE SHEET SS-21

MATCHLINE STA 83+00.00 SEE SHEET SS-21

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SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-31	③	R2-1-65	48" x 60"	2

SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,600 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,600 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	400 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,600 LF

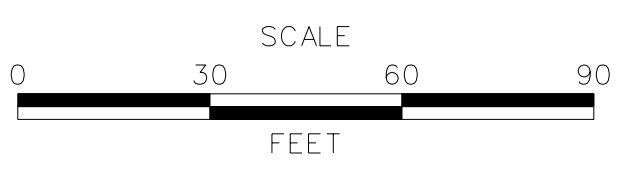


- NOTE:
- ITS LOAD CENTER STA 400+00 CABINET TYPE R.
 - REFER TO HIGHWAY LIGHTING PLANS FOR LIGHTING LOAD CENTER.
 - REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

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

CROSSLAND ESTATES, LLC
T.M.#13-017.00-004
INS.#20071011-0088942

ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-20	SHEET NO.
	1054
	TOTAL SHTS.
	1256

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CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
124*	*	*	*	*	*
136*	*	*	*	*	*
137	1	4" PVC	45'	T	
138	1	2" GRS	45'	T	3-1/C #2 AWG
139	1	4" PVC	230'	T	
140	1	2" GRS	230'	T	3-1/C #2 AWG
141					NOT USED
142					NOT USED
143					NOT USED
144					NOT USED
145	1	4" PVC	350'	T	
146	1	2" GRS	350'	T	3-1/C #2 AWG

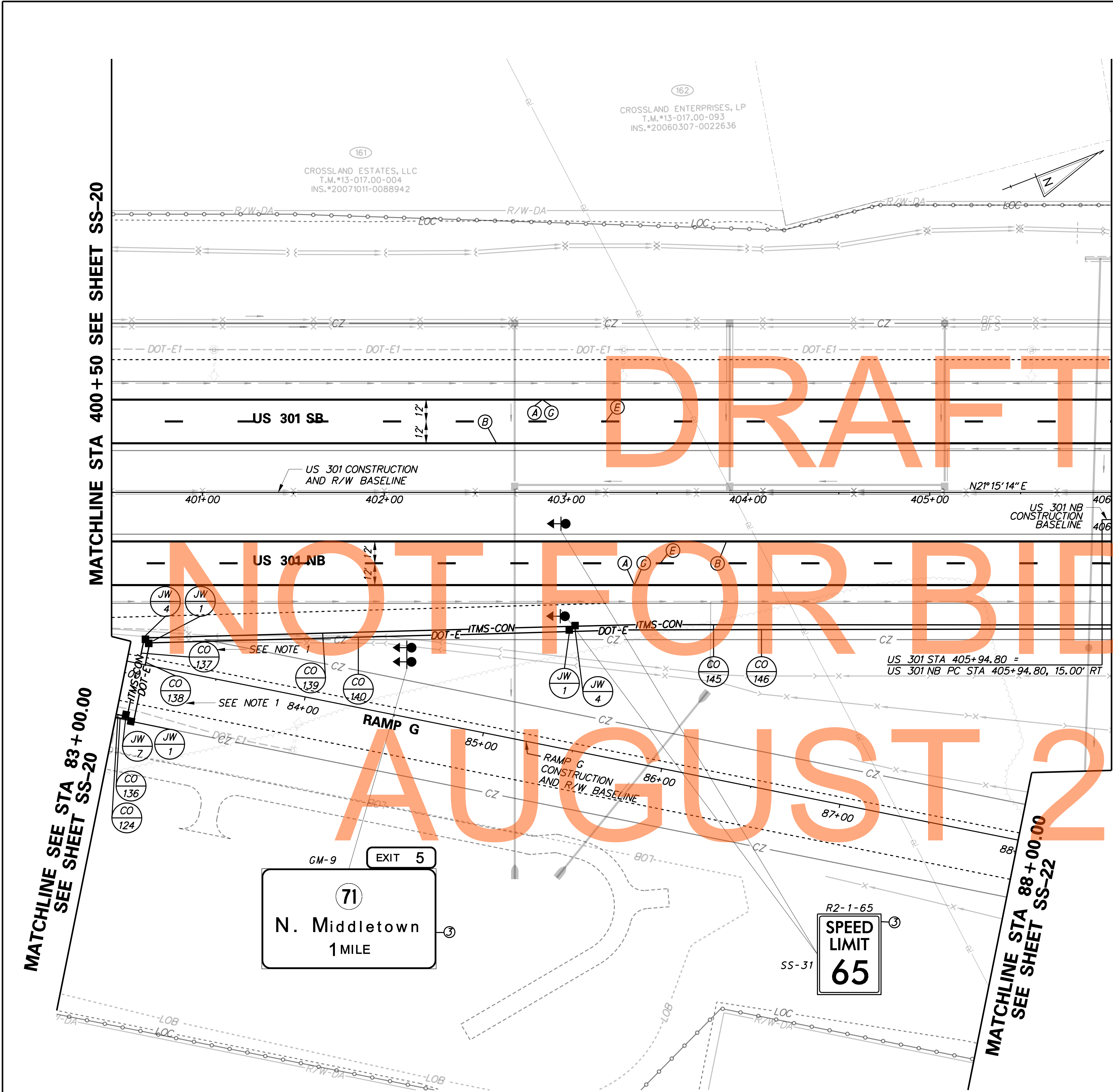
B=BORE, T=TRENCH, O=OPEN CUT
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-31	(3)	R2-1-65	48" x 60"	2

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,100 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,100 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	275 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,100 LF

NOTE:
MINIMUM DEPTH REQUIREMENT FOR CONDUITS CROSSING FUTURE RAMP C IS 36 INCHES.
REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.
FOR CO-137 & CO-138, DENOTE REQUIRED DEPTH BELOW PAVEMENT FOR FUTURE CONSTRUCTION OF RAMP G



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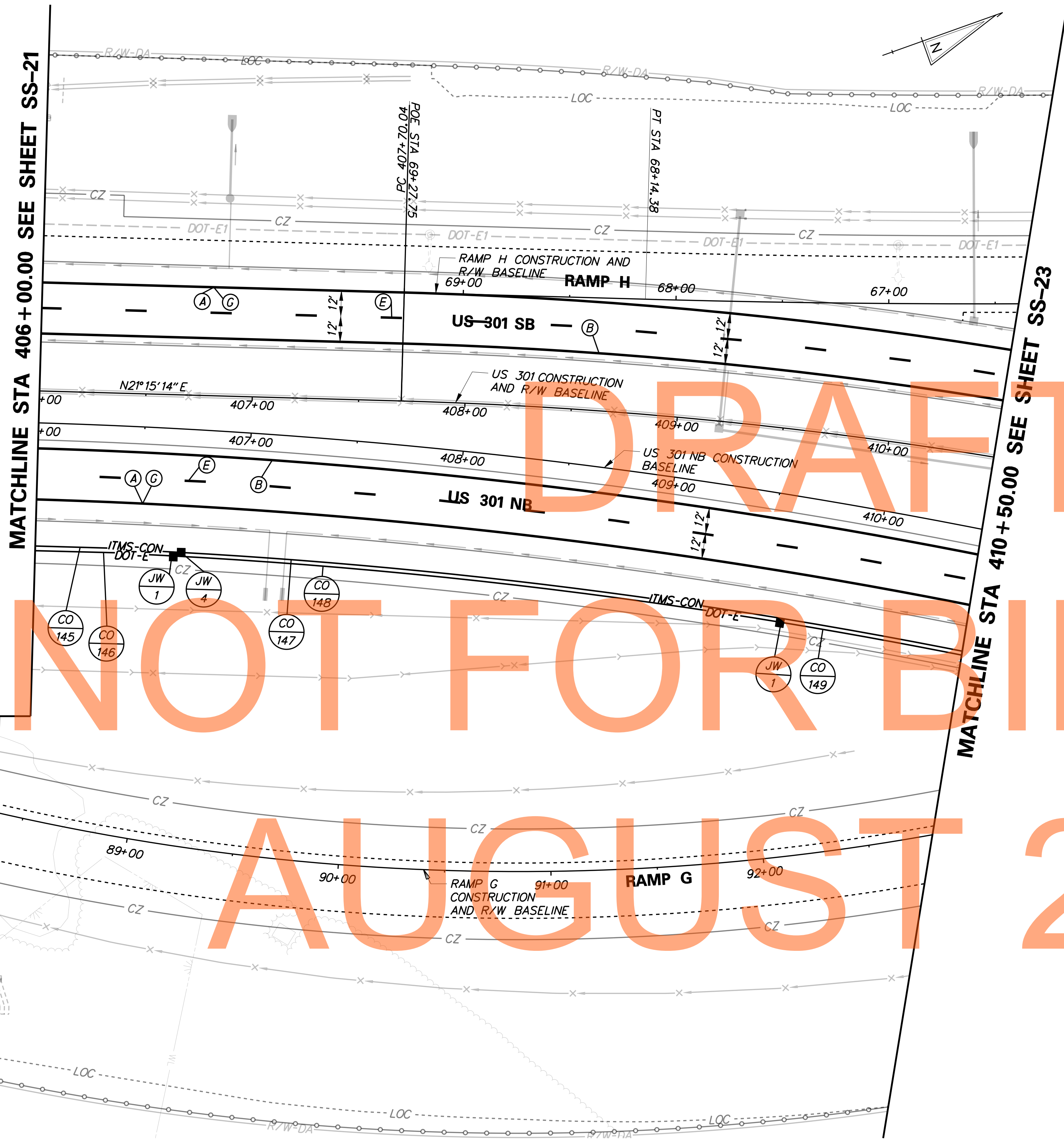
CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
145*	*	*	*	*	*
146*	*	*	*	*	*
147	1	4" PVC	660'	T	
148	1	2" GRS	290'	T	3-1/C #2 AWG
149	1	2" GRS	370'	T	3-1/C #2 AWG

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	899 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	899 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	225 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	899 LF

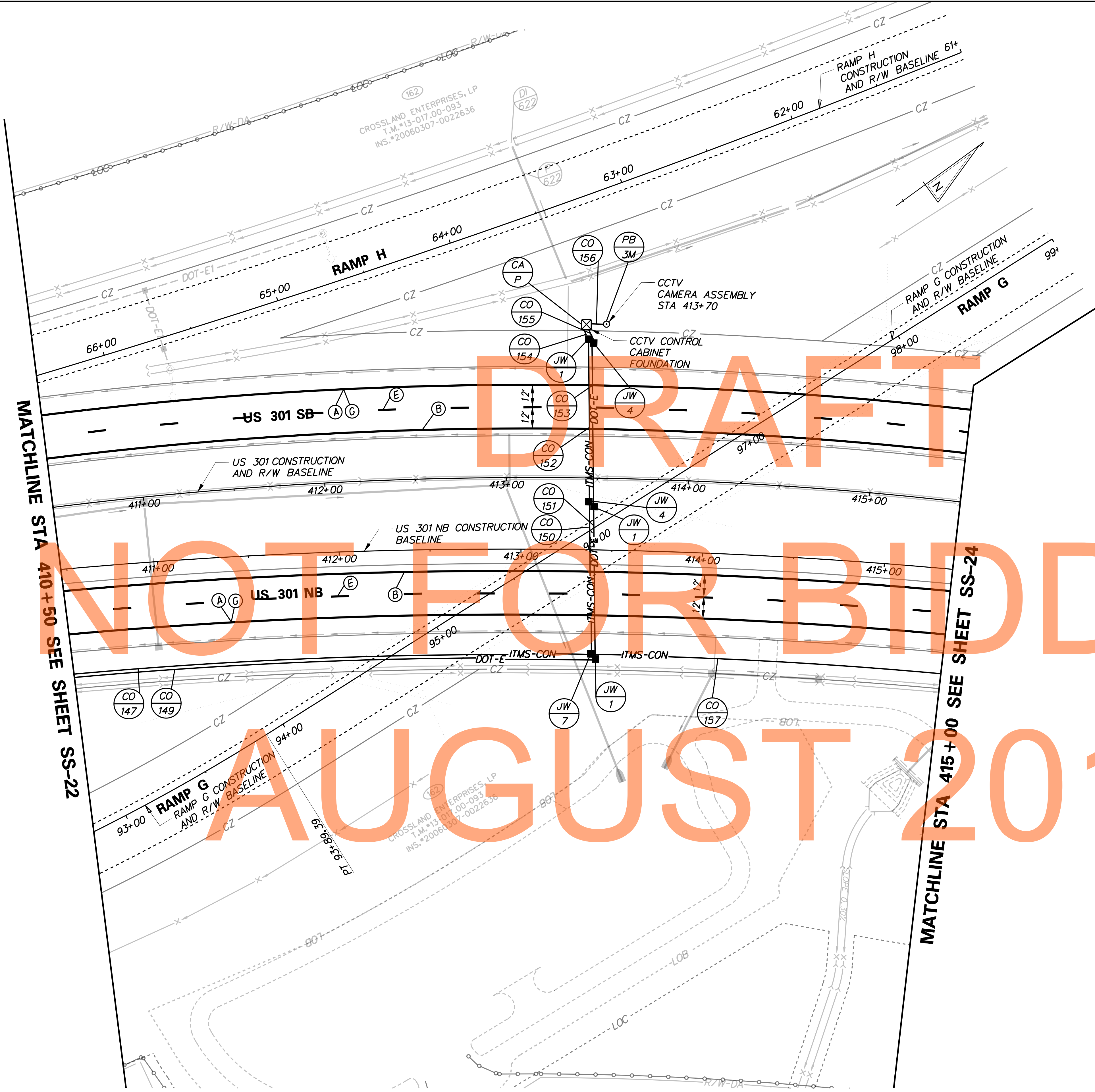


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AUGUST 2015

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGNING, STRIPING & CONDUIT PLAN	SS-22
					T200911303		
				COUNTY	CHECKED BY: DRB SF	TOTAL SHTS. 1256	
				NEW CASTLE			



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
147*	*	*	*	*	*
149*	*	*	*	*	*
150	1	4" PVC	85'	T	
151	1	2" GRS	85'	T	3-1/C #2 AWG
152	1	4" PVC	90'	T	
153	1	2" GRS	90'	T	3-1/C #2 AWG
154	1	2" GRS	10'	T	
155	1	2" GRS	10'	T	3-1/C #2 AWG
156	1	4" PVC	10'	T	
157	1	4" PVC	570'	T	
158					NOT USED

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

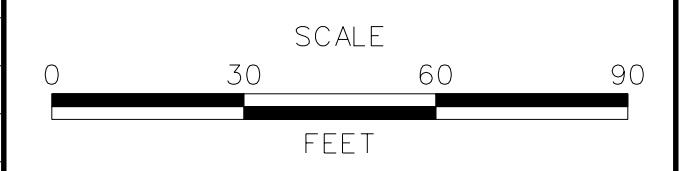
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	994 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	994 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	249 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	994 LF

NOTES:
 1. REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.
 2. REFER TO SHEET SS-78 FOR CCTV PB-3M POLE BASE DETAILS.

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ADDENDUMS / REVISIONS

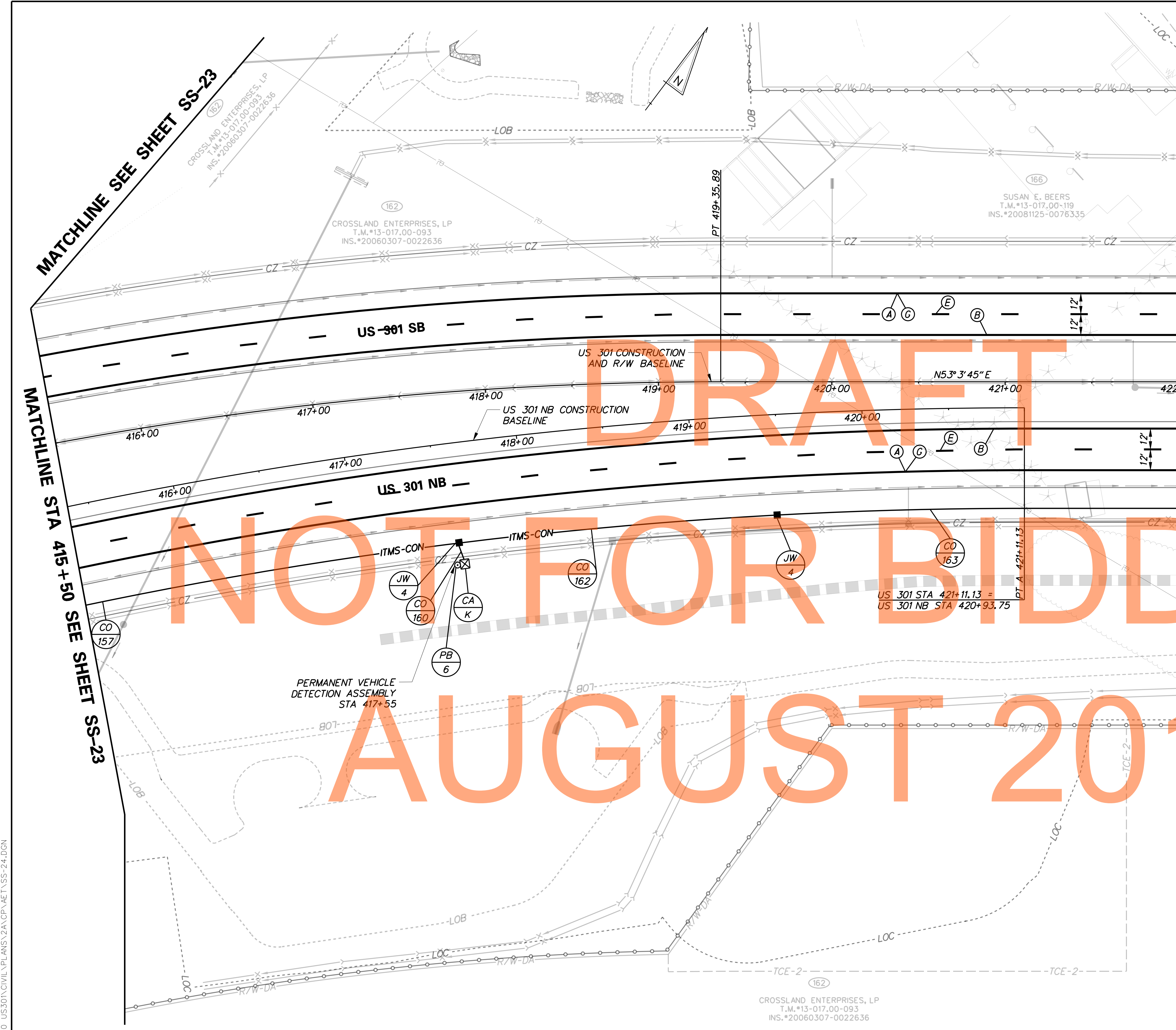


US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN

SS-23
SHEET NO.
1057
TOTAL SHTS.
1256



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
157*	*	*	*	*	*
158*					NOT USED
159					NOT USED
160	1	4" PVC	10'	T	
161					NOT USED
162	1	4" PVC	180'	T	
163	1	4" PVC	400'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

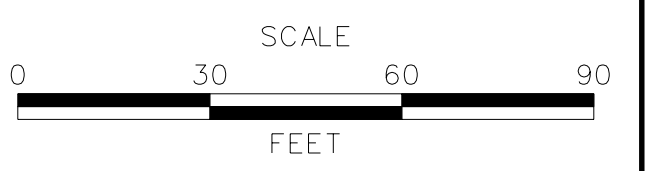
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1, 297 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1, 297 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	324 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1, 297 LF

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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AUGUST 2015



ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-24
SHEET NO. 1058
TOTAL SHTS. 1256

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CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
163*	*	*	*	*	*
164	1	4" PVC	400'	T	
165	1	4" PVC	400'	T	

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

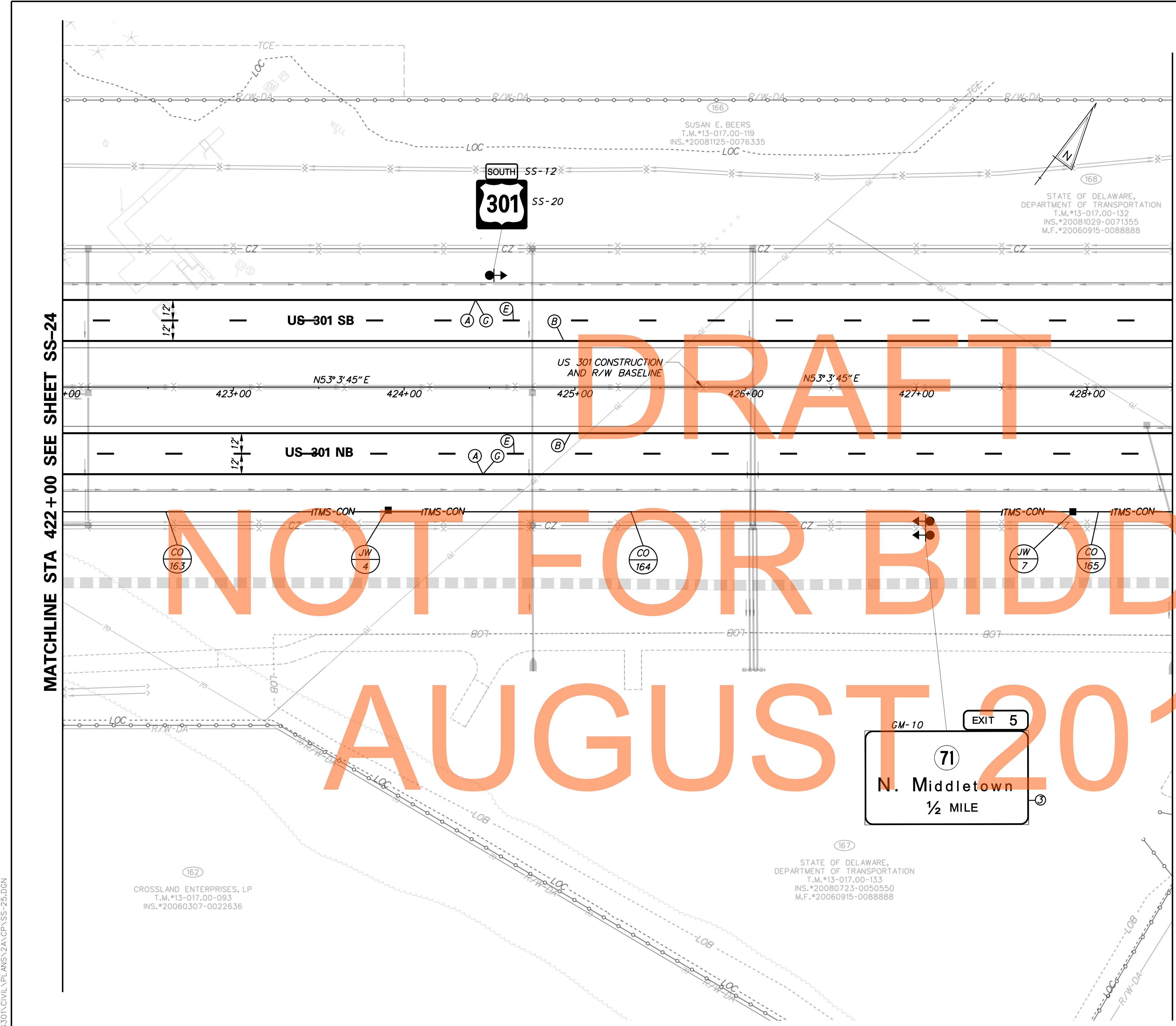
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,300 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,300 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,300 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-12	③	M3-3	30" x 15"	1
SS-20	③	M1-4	60" x 48"	1

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.



MATCHLINE STA 422+00 SEE SHEET SS-24

MATCHLINE STA 428+50 SEE SHEET SS-26

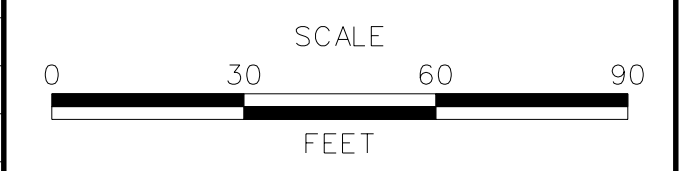
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN	SS-25
	SHEET NO. 1059
	TOTAL SHTS. 1256

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
165*	*	*	*	*	*
166	1	4" PVC	320'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

MATCHLINE STA 428+50 SEE SHEET SS-25

MATCHLINE STA 434+50 SEE SHEET SS-27

NOT FOR BIDDING

AUGUST 2015



DRAFT

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,200 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,200 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	300 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,200 LF

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

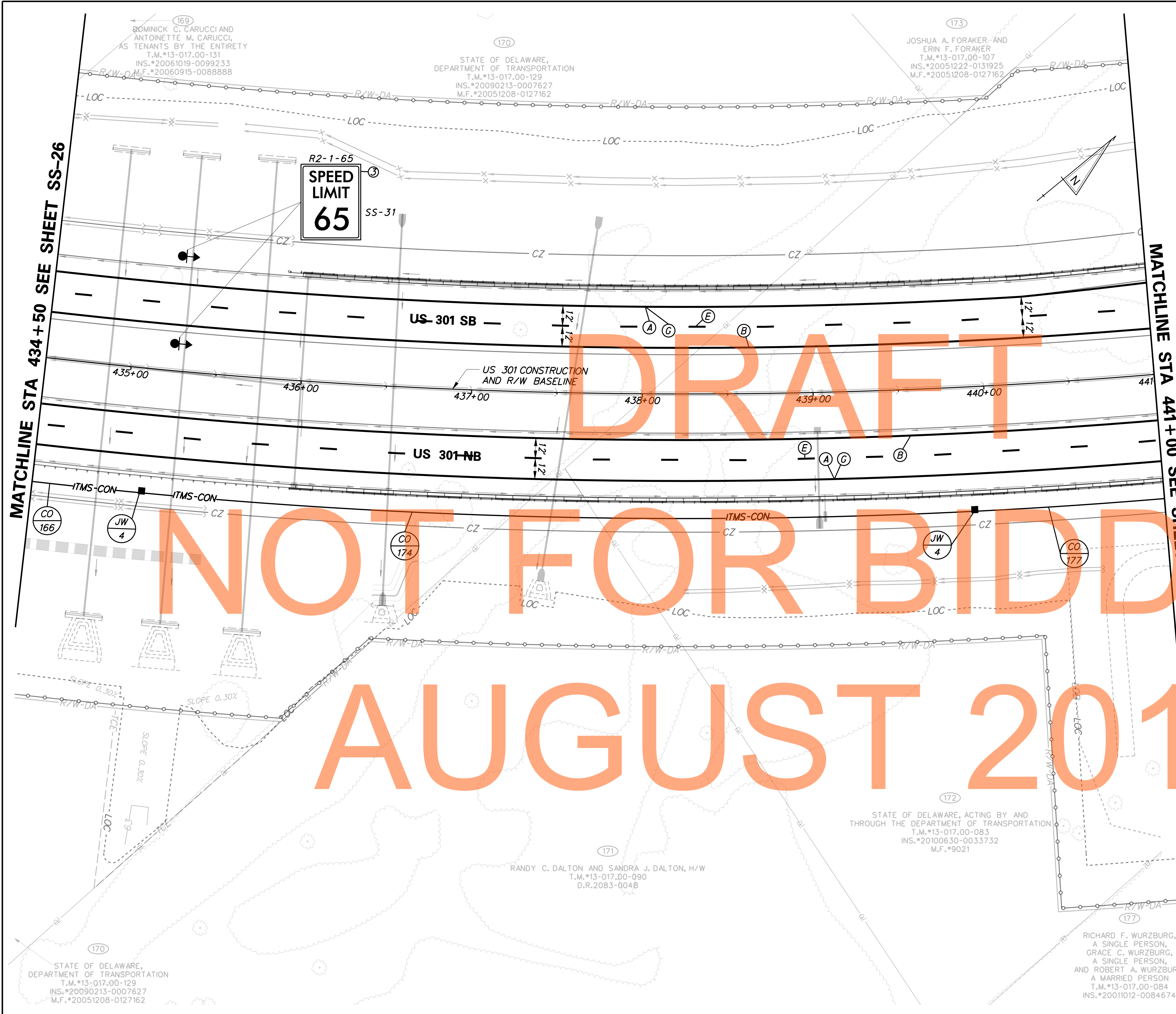
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 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303	BRIDGE NO.	SIGNING, STRIPING & CONDUIT PLAN	SS-26
	COUNTY NEW CASTLE			DESIGNED BY: JE JW	SHEET NO. 1060		
				CHECKED BY: DRB SF		TOTAL SHTS. 1256	

DRAFT

NOT FOR BIDDING

AUGUST 2015



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
166*	*	*	*	*	*
167					NOT USED
168					NOT USED
169					NOT USED
170					NOT USED
171					NOT USED
172					NOT USED
173					NOT USED
174	1	4" PVC	490'	T	
175					NOT USED
176					NOT USED
177	1	4" PVC	425'	T	
178					NOT USED

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

* INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

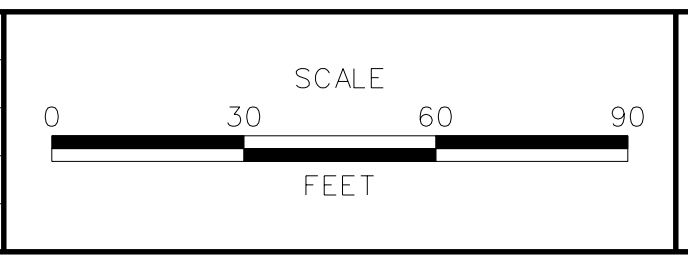
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-31	(3)	R2-1-65	48" x 60"	2

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,300 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,300 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,300 LF

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

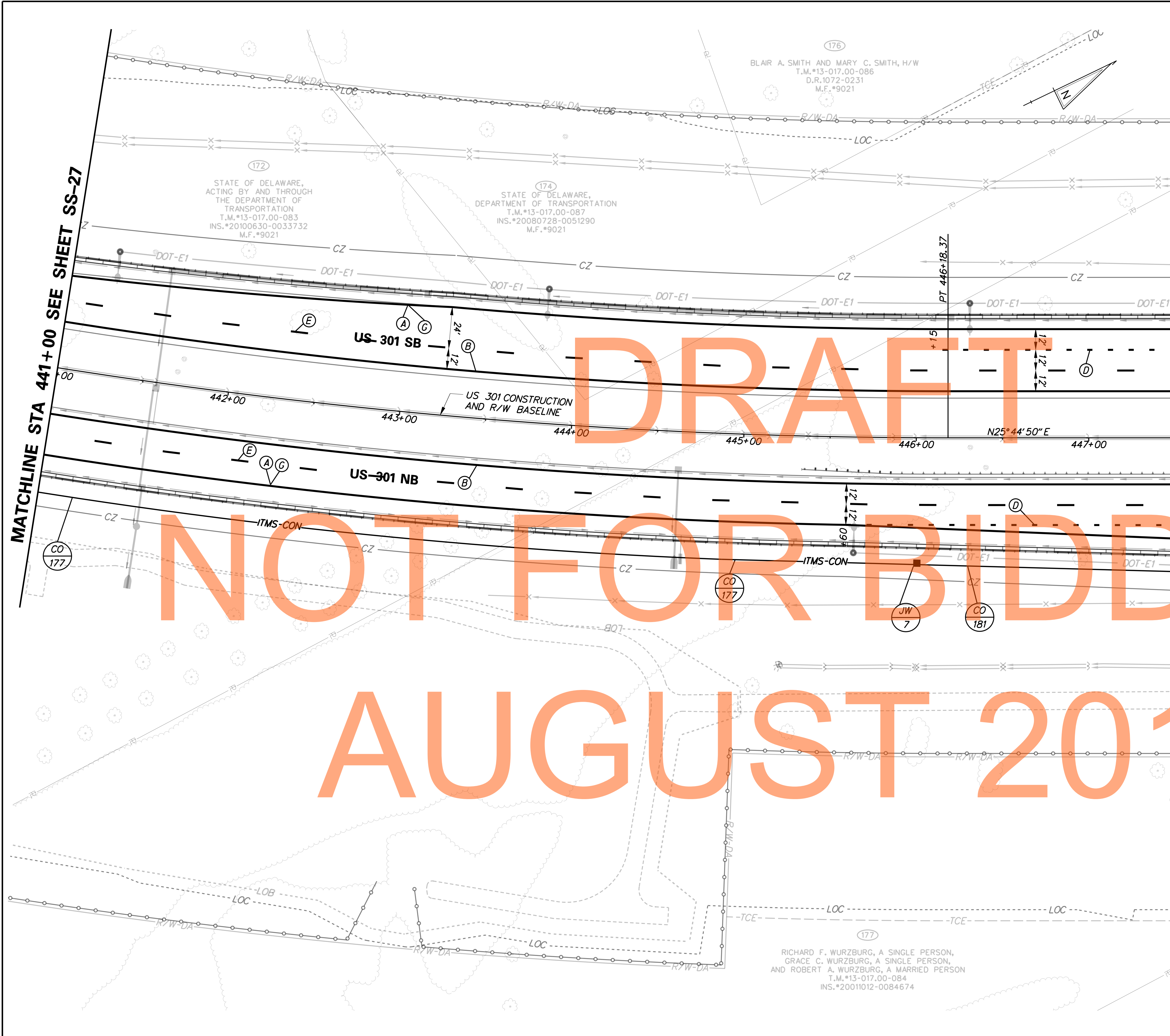
ADDENDUMS / REVISIONS



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN	SS-27
	SHEET NO. 1061
	TOTAL SHTS. 1256



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
177*	*	*	*	*	*
178*					NOT USED
179					NOT USED
180					NOT USED
181	1	4" PVC	305'	T	
182					NOT USED

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

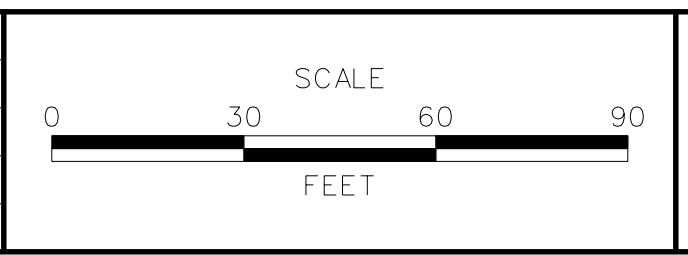
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1, 299 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1, 300 LF
(D)	1.3" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	81 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1, 299 LF

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

SIGNING, STRIPING & CONDUIT PLAN	SS-28
	SHEET NO. 1062
	TOTAL SHTS. 1256

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
181*	*	*	*	*	*
182*					NOT USED
183					NOT USED
184	1	4" PVC	155'	T	
185					NOT USED
186					NOT USED
187					NOT USED
188	1	4" HDPE	70'	B	
189					NOT USED
190	1	4" PVC	130'	T	
191					NOT USED
192	1	4" PVC	10'	T	
193	1	4" PVC	225'	T	

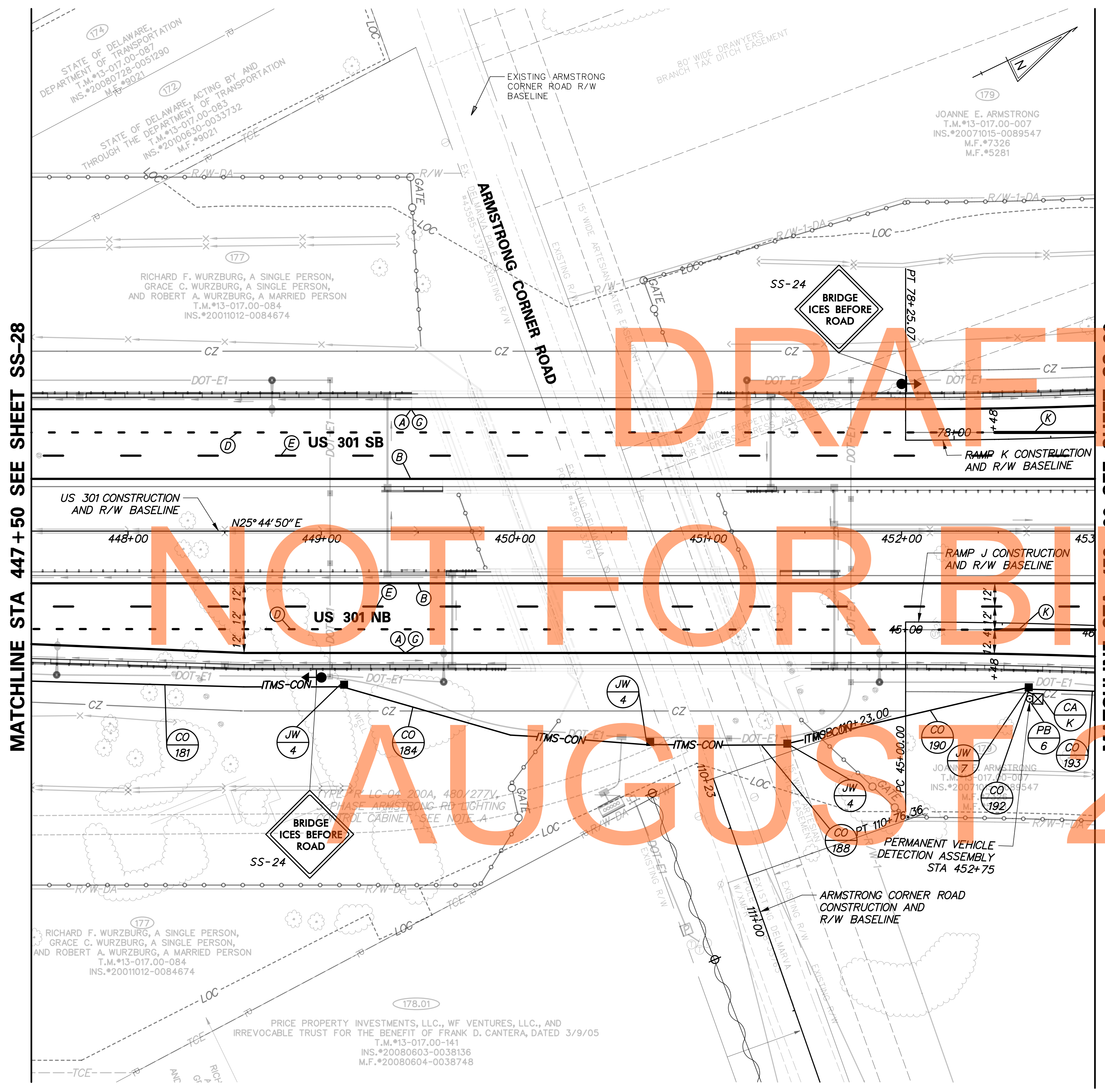
B=BORE, T=TRENCH, O=OPEN CUT
 *INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,100 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,100 LF
(D)	1.3" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	249 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	275 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,100 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	104 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-24	③	WB-13	48" x 48"	2

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.



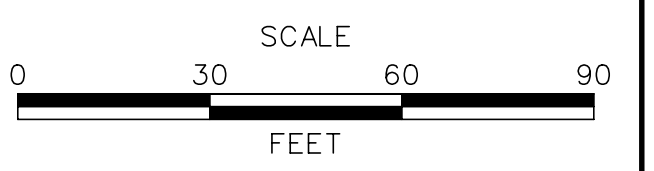
MATCHLINE STA 447+50 SEE SHEET SS-28

MATCHLINE STA 453+00 SEE SHEET SS-30

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-29	SHEET NO.
	1063
	TOTAL SHTS.
	1256

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
193*	*	*	*	*	*
194	1	4" PVC	250'	T	
195	1	4" PVC	370'	T	

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

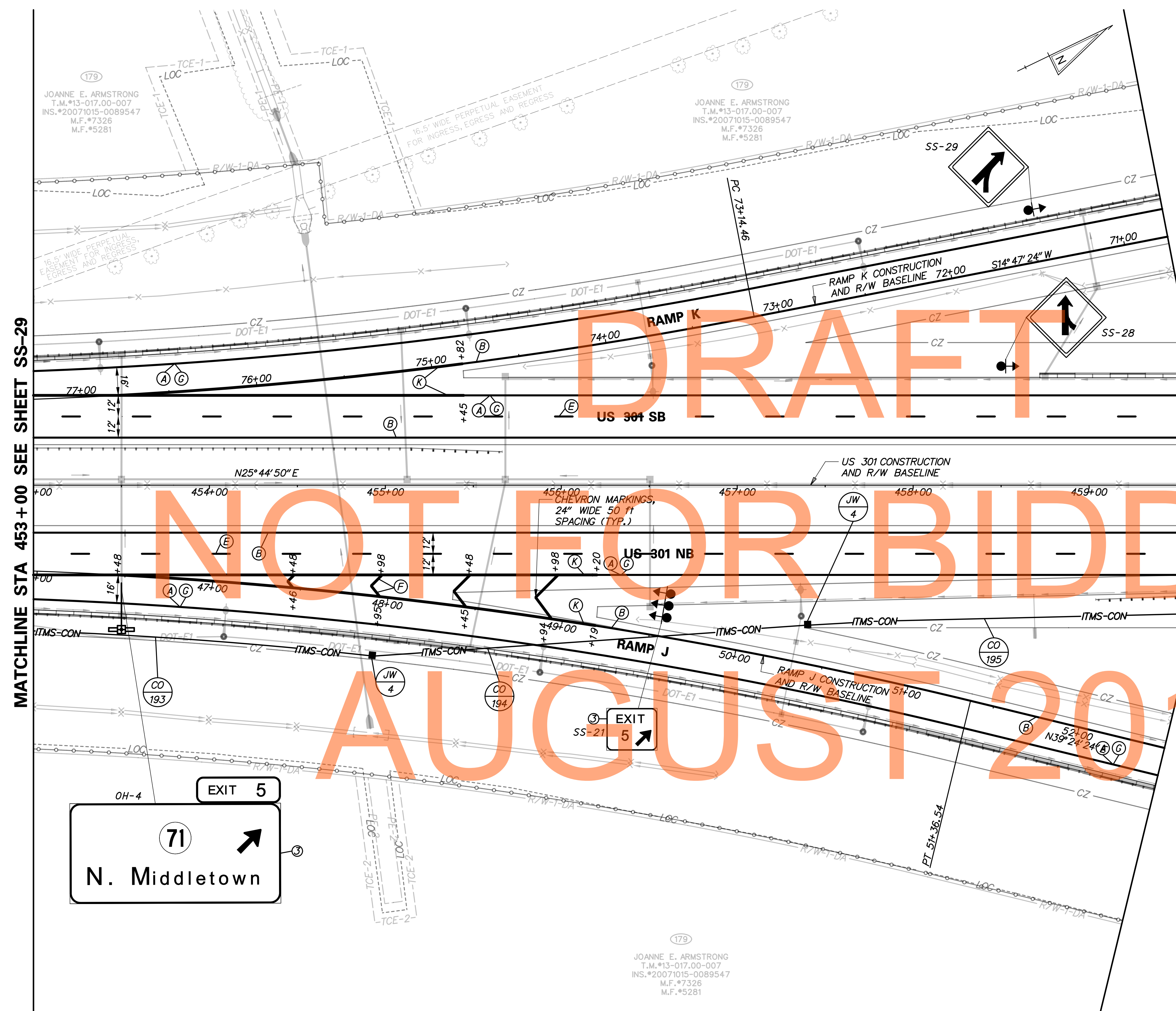
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	2,032 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	2,038 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(F)	12' SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKING (TAPE) (ITEM 748513)	84 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	2,032 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	1,033 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-21	③	E5-1A	72" x 60"	1
SS-28	③	W4-1R	48" x 48"	1
SS-29	③	W4-5	48" x 48"	1

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.



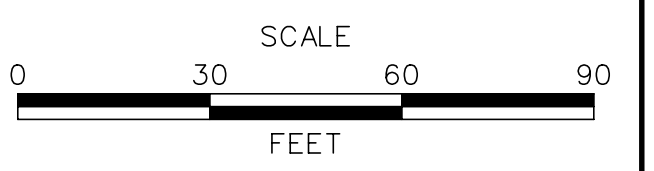
MATCHLINE STA 453+00 SEE SHEET SS-29

MATCHLINE STA 459+50 SEE SHEET SS-31

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-30	SHEET NO.
1064	
TOTAL SHTS.	
1256	

179
JOANNE E. ARMSTRONG
T.M.*13-017.00-007
INS.*20071015-0089547
M.F.*7326
M.F.*5281

179
JOANNE E. ARMSTRONG
T.M.*13-017.00-007
INS.*20071015-0089547
M.F.*7326
M.F.*5281

179
JOANNE E. ARMSTRONG
T.M.*13-017.00-007
INS.*20071015-0089547
M.F.*7326
M.F.*5281

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
195*	*	*	*	*	*
196	1	4" PVC	300'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,627 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,620 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	200 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,627 LF
(I)	RETROREFLECTIVE PREFORMED PATTERNED MARKING SYMBOL/LEGEND (ITEM 748529)	16 SF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-4	③	W2-6	36" x 36"	2
SS-5	③	W13-1-25	24" x 24"	2
SS-22	③	M1-5	24" x 24"	1
SS-23	③	M6-1R	21" x 15"	1
SS-26	③	R5-1A	42" x 30"	2

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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DELAWARE
DEPARTMENT OF TRANSPORTATION

JOANNE E. ARMSTRONG
T.M.#13-017.00-007
INS.#20071015-0089547
M.F.#5281

ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-31
SHEET NO.
1065
TOTAL SHTS.
1256

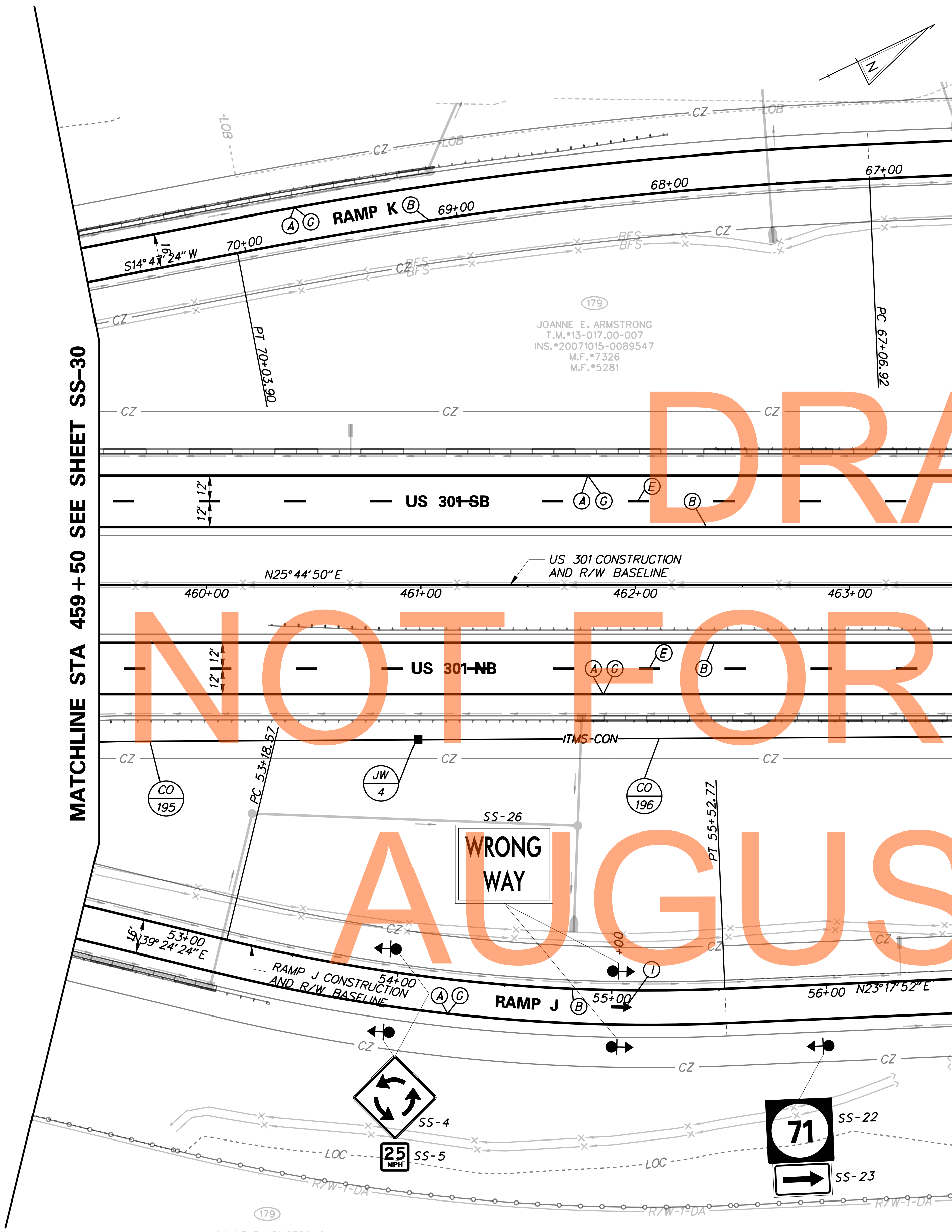
MATCHLINE STA 459+50 SEE SHEET SS-30

MATCHLINE STA 463+50 SEE SHEET SS-32 AND SS-33

NOT FOR BIDDING

AUGUST 2015

DRAFT



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

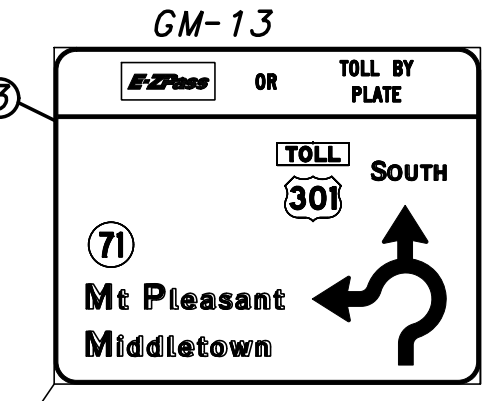
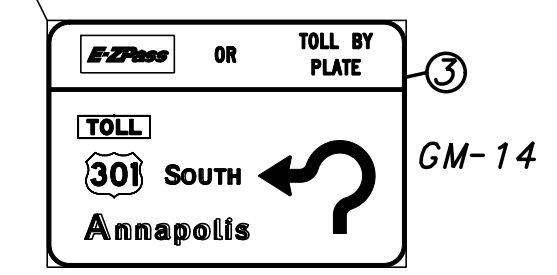
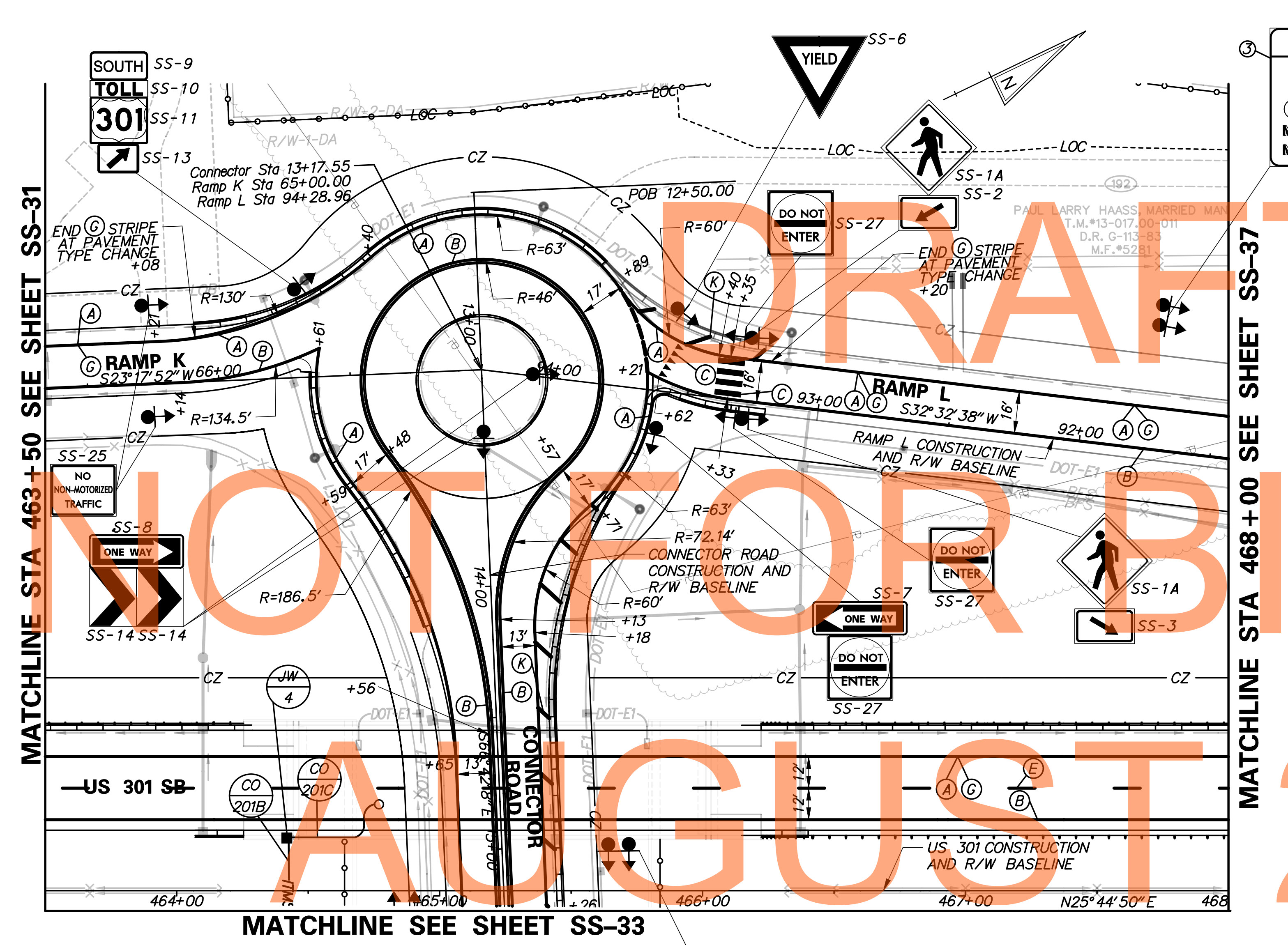
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-1A	③	W11-2	36" x 36"	2
SS-2	③	W16-7pL	24" x 12"	1
SS-3	③	W16-7pR	24" x 12"	1
SS-6	③	R1-2	36" x 36" x 36"	1
SS-7	③	R6-1L	36" x 12"	1
SS-8	③	R6-1R	36" x 12"	2
SS-9	③	M3-3	24" x 12"	1
SS-10	③	M16-11-DE	24" x 12"	1
SS-11	③	M1-4	30" x 24"	1
SS-13	③	M6-2R	21" x 15"	1
SS-14	③	W1-8	18" x 24"	4
SS-25	③	R5-7	30" x 24"	2
SS-27	③	R5-1	30" x 30"	3

- NOTES:
- REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.
 - CROSSWALKS SHALL BE 24" WIDE AND 10' LONG WITH 24" WIDE SPACING.
 - YIELD SYMBOLS SHALL BE PLACED 4' FROM ROUNDABOUT EDGE PERPENDICULAR TO ROADWAY. REFER TO DE-MUTCD FOR YIELD MARKING LAYOUT.
 - ITS LOAD CENTER AT RAMP L STA 26+00 AND CONNECTOR ROAD. CABINET M (51" X 30" X 16.7/8" D) ON CONCRETE PAD BASE TYPE M (38" X 56" X 16" D)

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
196*	*	*	*	*	*
201B	1	2"GRS	85'	T	RWIS SENSOR CABLE
201C	1	2"GRS	45'	T	RWIS SENSOR CABLE

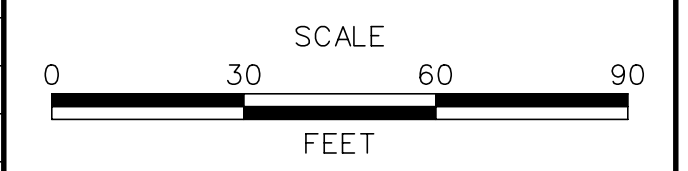
B=BORE, T=TRENCH, O=OPEN CUT
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,371 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,364 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	133 SF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	113 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	654 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	74 LF
(L)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE & 2' GAP (ITEM 748549)	26 LF



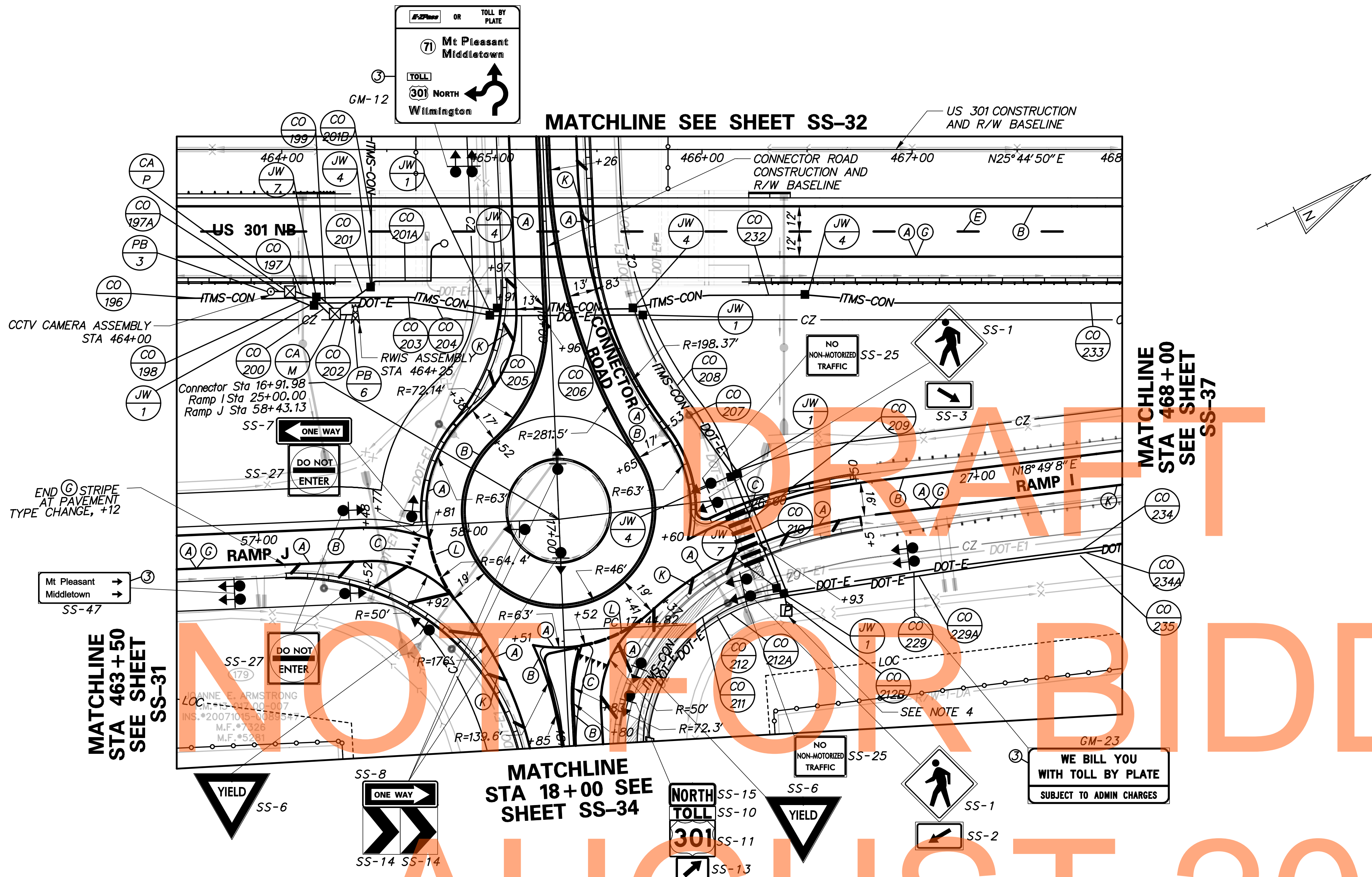
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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DRB SF
NEW CASTLE		

SS-32
SHEET NO.
1066
TOTAL SHTS.
1256



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
196*	*	*	*	*	*
197	1	4" PVC	10'	T	
197A	1	4" PVC	10'	T	CAMERA CONTROL CABLE
198	1	2" GRS	10'	T	3-1/C #6 AWG
199	1	4" PVC	10'	T	
200	1	2" GRS	10'	T	3-1/C #2 AWG
201	1	4" PVC	20'	T	RWIS SENSOR CABLE
201A	1	2" GRS	45'	T	RWIS SENSOR CABLE
201B*	*	*	*	*	*
202	1	4" PVC	10'	T	
203	1	4" PVC	80'	T	
204	1	2" GRS	80'	T	3-1/C #2 AWG / 3-1/C #6 AWG
205	1	2" GRS	70'	T	3-1/C #2 AWG / 3-1/C #6 AWG
206	1	4" PVC	65'	T	
207	1	4" PVC	95'	T	
208	1	2" GRS	90'	T	3-1/C #2 AWG / 3-1/C #6 AWG
209	1	4" PVC	65'	T	
210	1	2" GRS	65'	T	3-1/C #2 AWG / 3-1/C #6 AWG
211	1	4" PVC	235'	T	
212	1	2" GRS	235'	T	3-1/C #2 AWG
212A	1	3" GRS	235'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
212B	1	3" GRS	10'	T	9-1/C #2 AWG 3-1/C #6 AWG
229	1	2" GRS	130'	T	3-1/C #2 AWG
229A	1	3" GRS	130'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
232	1	4" PVC	80'	T	
233	1	4" PVC	255'	T	
234	1	2" GRS	150'	T	3-1/C #2 AWG 3-1/C #8 AWG
234A	1	3" GRS	150'	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND
235	1	4" PVC	150'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,371 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,364 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	133 SF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	113 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	654 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	246 LF
(L)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE & 2' GAP (ITEM 748549)	33 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-1	(3)	W11-2	30" x 30"	2
SS-2	(3)	W16-7pL	24" x 12"	1
SS-3	(3)	W16-7pR	24" x 12"	1
SS-6	(3)	R1-2	36" x 36" x 36"	2
SS-7	(3)	R6-1L	36" x 12"	1
SS-8	(3)	R6-1R	36" x 12"	3
SS-10	(3)	M16-11-DE	24" x 12"	1
SS-11	(3)	M1-4	30" x 24"	1
SS-13	(3)	M6-2R	21" x 15"	1
SS-14	(3)	W1-8	18" x 24"	6
SS-15	(3)	M3-1	24" x 12"	1
SS-25	(3)	R5-7	30" x 24"	2
SS-27	(3)	R5-1	30" x 30"	3
SS-46	(3)	R2-1-10	36" x 48"	2
SS-47	(3)	D1-2	90" x 30"	1

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

- NOTES:
- REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.
 - REFER TO SHEET SS-78 FOR CCTV PB-3M POLE BASE DETAILS.
 - CROSSWALKS SHALL BE 24" WIDE AND 10' LONG WITH 24" WIDE SPACING.
 - YIELD SYMBOLS SHALL BE PLACED 4' FROM ROUNDABOUT EDGE PERPENDICULAR TO ROADWAY. REFER TO DE-MUTCD FOR YIELD MARKING LAYOUT.
 - ITS LOAD CENTER AT RAMP I STA 26+00 AND CONNECTOR ROAD. CABINET M (51" X 30" X 16 7/8" D) ON CONCRETE PAD BASE TYPE M (58" X 56" X 16" D)

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	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303	BRIDGE NO.	SIGNING, STRIPING & CONDUIT PLAN	SHEET NO. 1067
	DELAWARE DEPARTMENT OF TRANSPORTATION			COUNTY NEW CASTLE	DESIGNED BY: JE JW		CHECKED BY: DRB SF

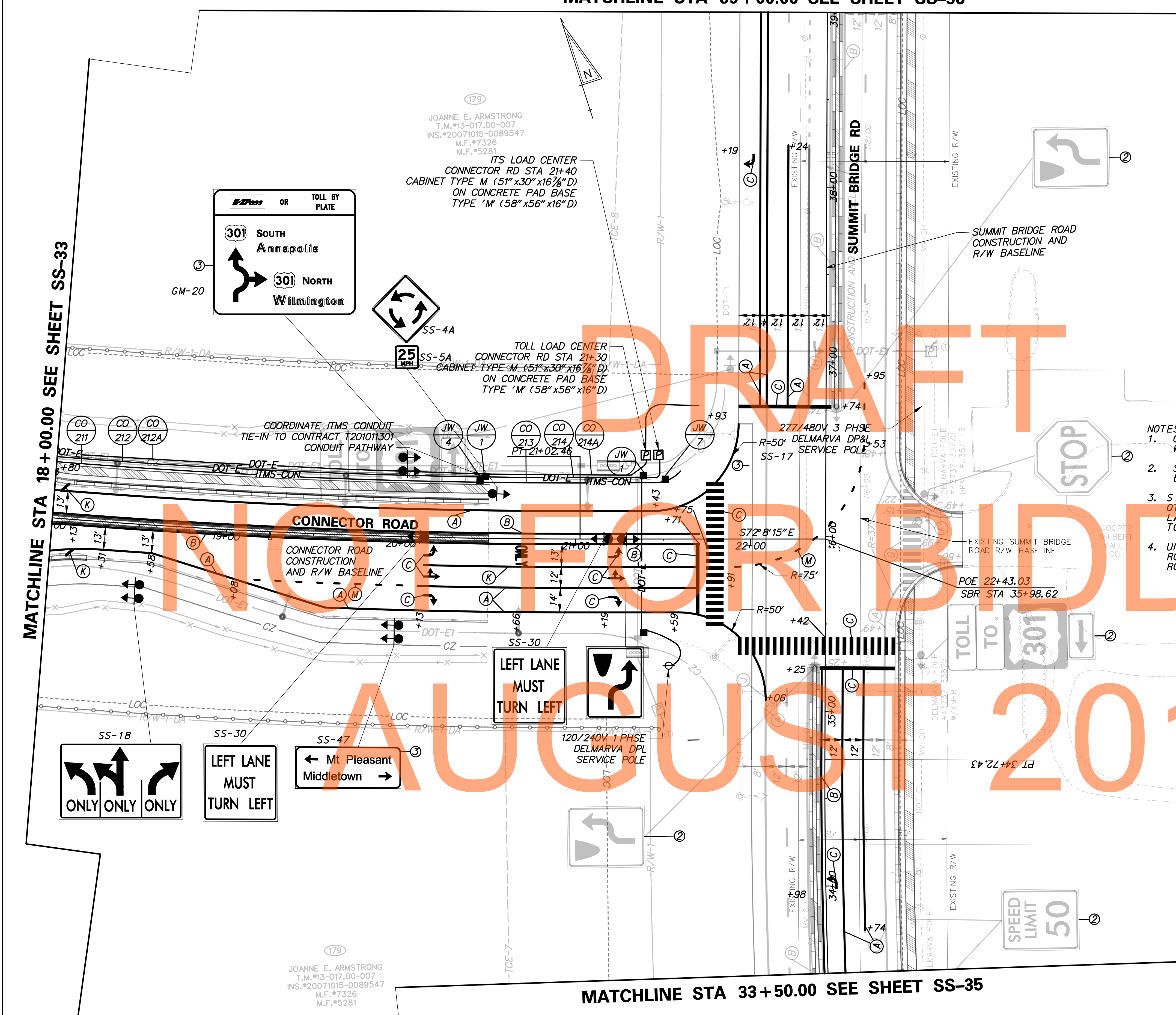
CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
211*	*	*	*	*	*
212*	*	*	*	*	*
212*	*	*	*	*	*
212A*	*	*	*	*	*
213	1	4" PVC	EXISTING	T	
214	1	2" GRS	EXISTING	T	3-1/C #2 AWG 3-1/C #6 AWG
214A	1	3" GRS	EXISTING	T	4-1/C #350 KCMIL 1-1/C 2/O AWG GROUND

B=BORE, T=TRENCH, O=OPEN CUT
*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,909 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	919 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	1,310 SF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	167 LF
(M)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE & 6' GAP (ITEM 748548)	65 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-4A	③	W2-6	30" x 30"	1
SS-5A	③	W13-1-25	18" x 18"	1
SS-17	③	R4-7	24" x 30"	1
SS-18	③	R3-8A	48" x 30"	1
SS-30	③	R3-7L	30" x 30"	2
SS-47	③	D1-2	90" x 30"	1



- NOTES:
- CROSSWALK SHALL BE 24" WIDE x 10 ft. LONG WITH 24" WIDE SPACINGS.
 - STOP BAR SHALL BE 24" WIDE PLACED 4.0 ft. BEHIND CROSSWALK.
 - SIGNS ALONG SUMMIT BRIDGE ROAD ARE PLACED BY OTHERS IN SEPARATE CONTRACT. EXISTING SIGNS LABELED AS "UNBAG" SHALL BE UNCOVERED PRIOR TO OPENING TURN LANES TO TRAFFIC.
 - UNBAG EXISTING SIGNAGE ALONG SUMMIT BRIDGE ROAD PER CONTRACT SPECIFICATIONS DURING ROADWAY OPENING.

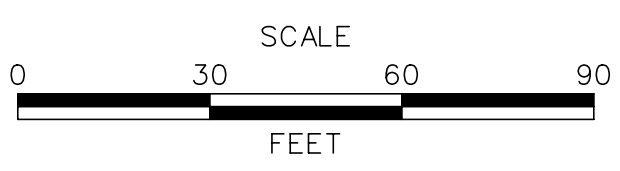
MATCHLINE STA 18+00.00 SEE SHEET SS-33

MATCHLINE STA 33+50.00 SEE SHEET SS-35

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ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	T200911303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	JE JW
CHECKED BY:	DRB SF

SIGNING, STRIPING & CONDUIT PLAN

SS-34	SHEET NO.	1068
	TOTAL SHTS.	1256

179
 JOANNE E. ARMSTRONG
 T.M.#13-017.00-007
 INS.#20071015-0089547
 M.F.#7326
 M.F.#5281

190
 GROWMARK, FS, INC.
 T.M.#13-017.00-077
 INS.#20021218-0121196
 M.F.#7415

191
 PAUL E. COOPER AND JOANNE D. COOPER, H/W
 T.M.#13-017.00-044
 INS.#20050810-0079464
 M.F.#20020906-0086530

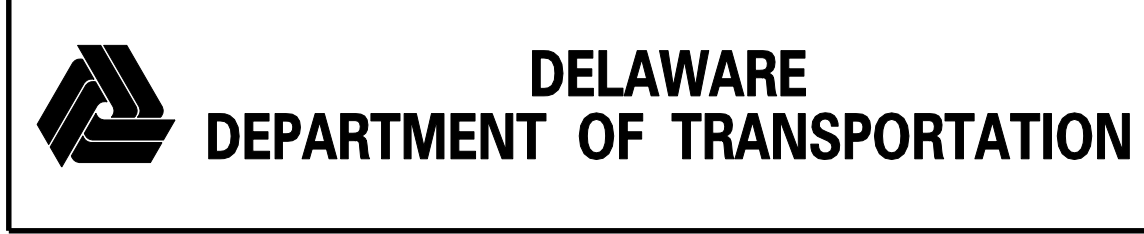
NOTES:
 1. UNBAG EXISTING SIGNAGE ALONG SUMMIT BRIDGE ROAD PER CONTRACT SPECIFICATIONS DURING ROADWAY OPENING.

MATCHLINE STA 33+50.00 SEE SHEET SS-34

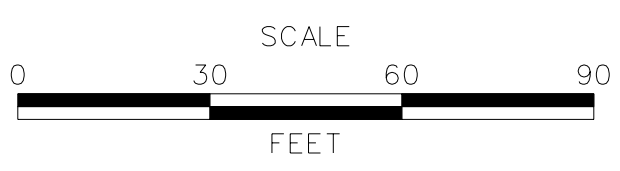
DRAFT
 NOT FOR BIDDING
 AUGUST 2015

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	85 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	436 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	32 SF
(M)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE & 6' GAP (ITEM 748548)	88 LF



ADDENDUMS / REVISIONS	



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

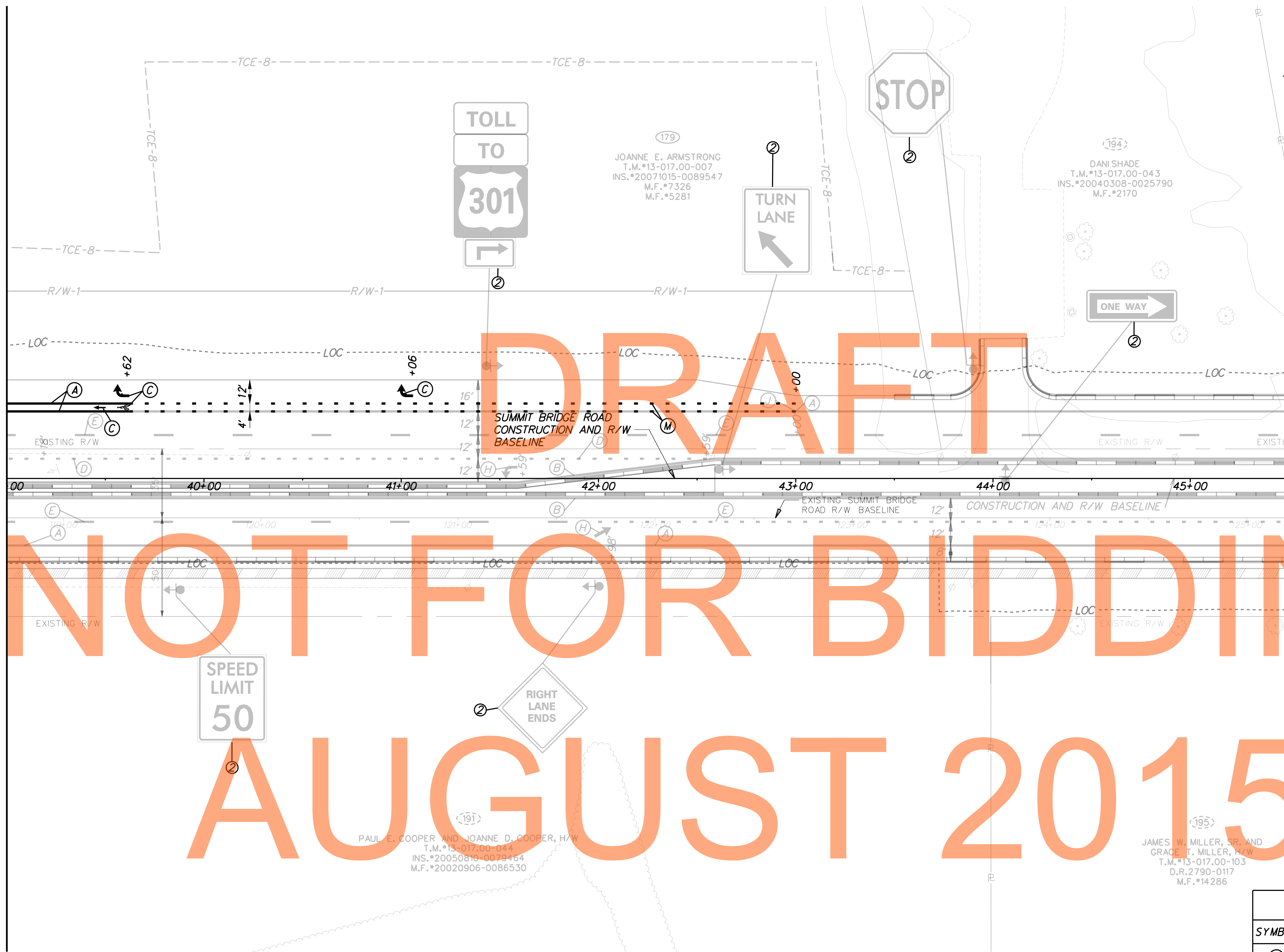
CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: JE JW
NEW CASTLE	CHECKED BY: DRB SF

**SIGNING, STRIPING &
 CONDUIT PLAN**

SS-35
SHEET NO. 1069
TOTAL SHTS. 1256

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MATCHLINE STA 39+00.00 SEE SHEET SS-34



NOTES:
 1. UNBAG EXISTING SIGNAGE ALONG SUMMIT BRIDGE ROAD PER CONTRACT SPECIFICATIONS DURING ROADWAY OPENING.

DRAFT
 NOT FOR BIDDING
 AUGUST 2015

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

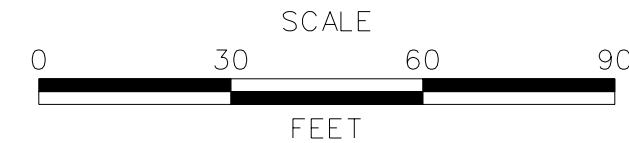
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	124 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	40 SF
(M)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE & 6' GAP (ITEM 748548)	169 LF

PAUL E. COOPER AND JOANNE D. COOPER, H/W
 T.M.#13-017-00-044
 INS.#20050816-0079464
 M.F.#20020906-0086530

JAMES W. MILLER, SR. AND GRACE T. MILLER, H/W
 T.M.#13-017-00-103
 D.R.2790-0117
 M.F.#14286



ADDENDUMS / REVISIONS	



**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW
	CHECKED BY: DRB SF

**SIGNING, STRIPING &
 CONDUIT PLAN**

SS-36
SHEET NO. 1070
TOTAL SHTS. 1256

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CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
215	2	4"GRS	75'	T	
216	3	4"PVC	75'	T	
217	2	4"GRS	75'	T	
218	3	4"PVC	75'	T	
219	2	4"GRS	60'	T	
220	3	4"PVC	60'	T	
221	3	4"PVC	70'	T	
222	2	4"GRS	70'	T	
223	3	4"PVC	40'	T	
224	2	4"GRS	40'	T	3-1/C #8 AWG
225	1	4"PVC	215'	T	
226	1	2"GRS	210'	T	3-1/C #8 AWG
227	1	4"PVC	10'	T	
228	1	2"GRS	10'	T	3-1/C #8 AWG
230	1	2"GRS	10'	T	3-1/C #8 AWG
231	1	4"PVC	10'	T	
233*	*	*	*	*	*
234*	*	*	*	*	*
234A*	*	*	*	*	*
235*	*	*	*	*	*
236	2	4"PVC	60'	T	3-1/C #2 AWG
237	3	4"PVC	60'	T	
237A	3	4"PVC	60'	T	
237B	1	3"GRS	20'	T	4-1/C #350KMIL / 3-1/C #8 AWG 1-1/C 2/0 AWG GROUND
237C	2	4"GRS	45'	T	
238	2	4"GRS	40'	T	3-1/C #2 AWG
239	3	4"PVC	35'	T	
241					NOT USED
242	1	4"PVC	360'	T	
243					NOT USED

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

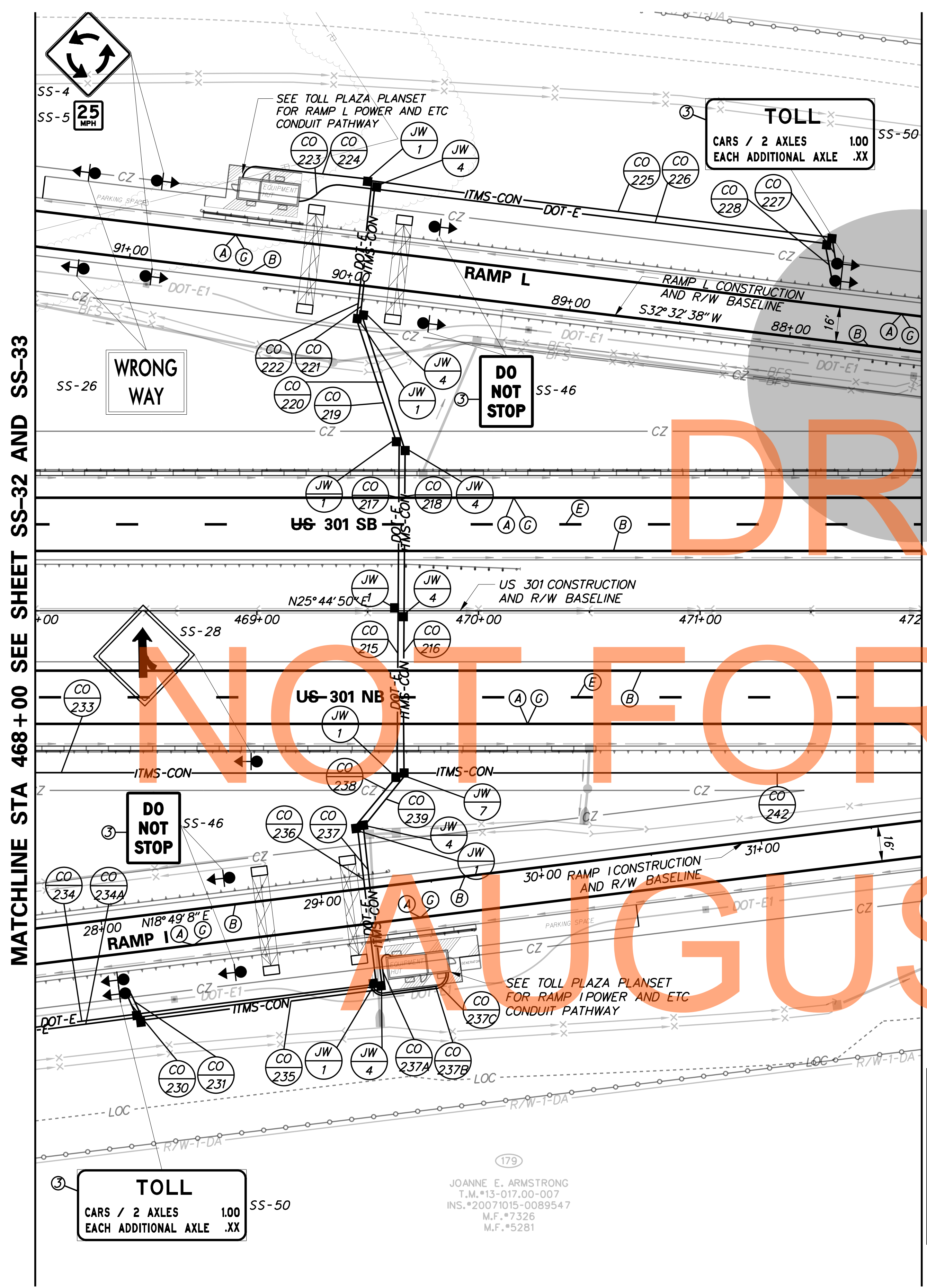
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,606 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,606 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	200 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,606 LF

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-4	③	W2-6	36" x 36"	2
SS-5	③	W13-1-25	24" x 24"	2
SS-26	③	R5-1A	42" x 30"	2
SS-28	③	W4-1	48" x 48"	1
SS-50	③	R3-2B	114" x 48"	2
SS-46	③		36" x 48"	4

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.



MATCHLINE STA 472+00 SEE SHEET SS-38

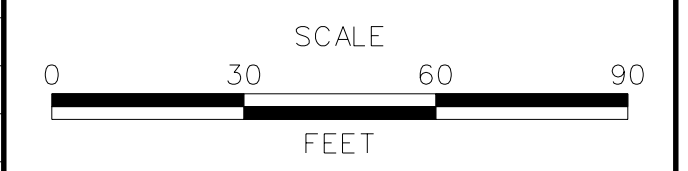
MATCHLINE STA 468+00 SEE SHEET SS-32 AND SS-33

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179
 JOANNE E. ARMSTRONG
 T.M.*13-017-00-007
 INS.*20071015-0089547
 M.F.*7326
 M.F.*5281



ADDENDUMS / REVISIONS

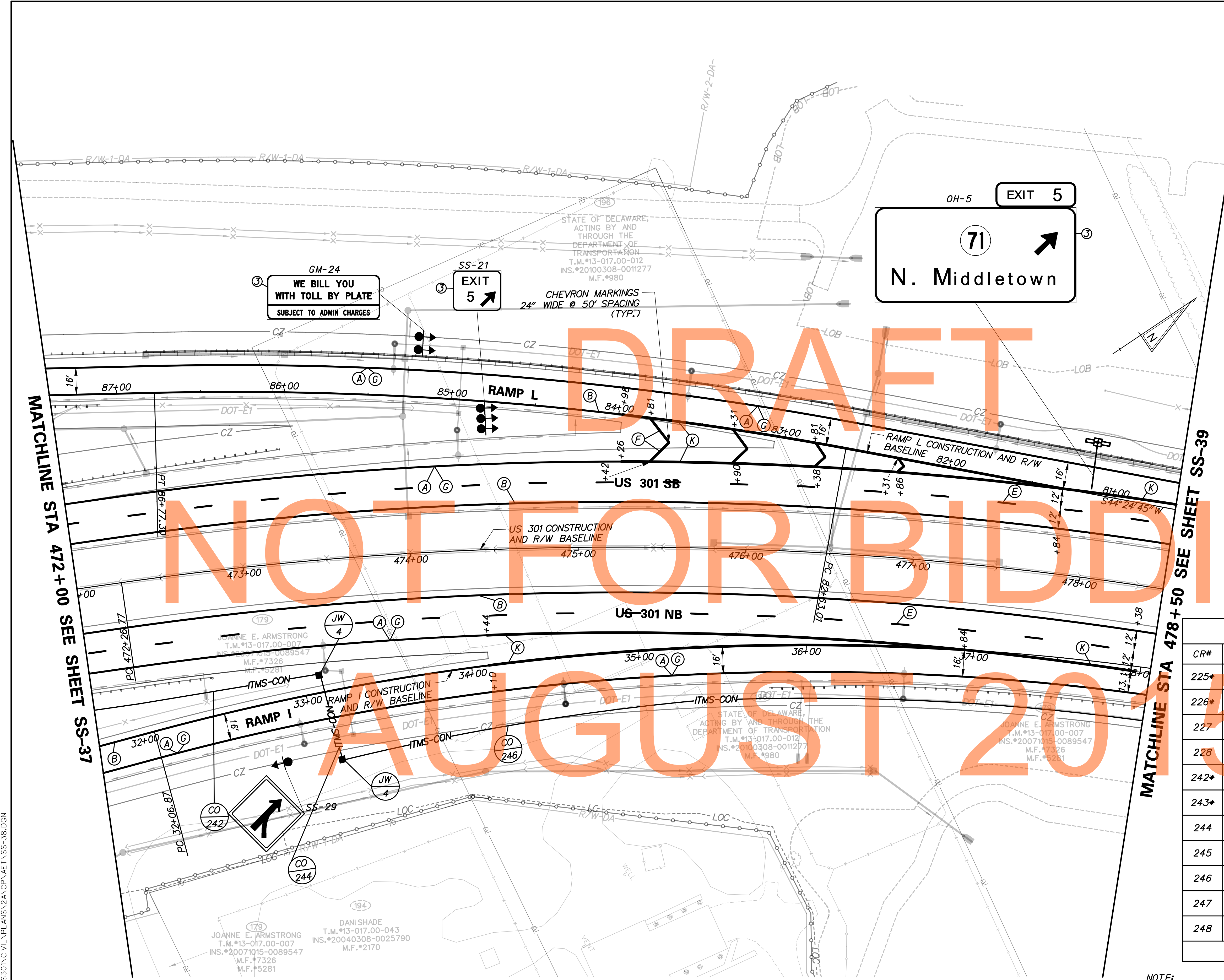


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JE JW CHECKED BY: DRB SF

**SIGNING, STRIPING &
 CONDUIT PLAN**

SS-37
SHEET NO. 1071
TOTAL SHTS. 1256



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

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-21	③	E5-1A	72" x 60"	1
SS-29	③	W4-5	48" x 48"	1

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,884 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,880 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	325 LF
(F)	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKING (TAPE) (ITEM 748513)	92 LF
(G)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,884 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	1,268 LF

CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
225*	*	*	*	*	*
226*	*	*	*	*	*
227	1	4" PVC	10'	T	
228	1	2" GRS	10'	T	3-1/C #8 AWG
242*	*	*	*	*	*
243*					NOT USED
244	1	4" PVC	55'	T	
245					NOT USED
246	1	4" PVC	535'	T	
247					NOT USED
248					NOT USED

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

MATCHLINE STA 472+00 SEE SHEET SS-37

MATCHLINE STA 478+50 SEE SHEET SS-39

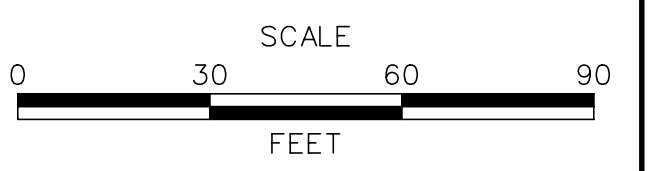
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AUGUST 2015



ADDENDUMS / REVISIONS



US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	T20091303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	JE JW
CHECKED BY:	DRB SF

SIGNING, STRIPING & CONDUIT PLAN

SS-38
SHEET NO.
1072
TOTAL SHTS.
1256

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CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
246*	*	*	*	*	*
248*					NOT USED
249	1	4" PVC	10'	T	
250					NOT USED
251	1	4" PVC	520'	T	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,100 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1,100 LF
(D)	13" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	267 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	275 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1,100 LF
(K)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748549)	32 LF

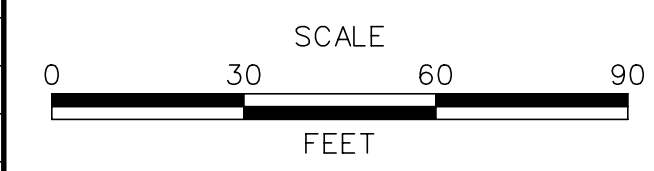
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-24	③	W8-13	48" x 48"	1

NOTE:
REFER TO SHEET SS-01 FOR
PROJECT SIGNING NOTES.

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

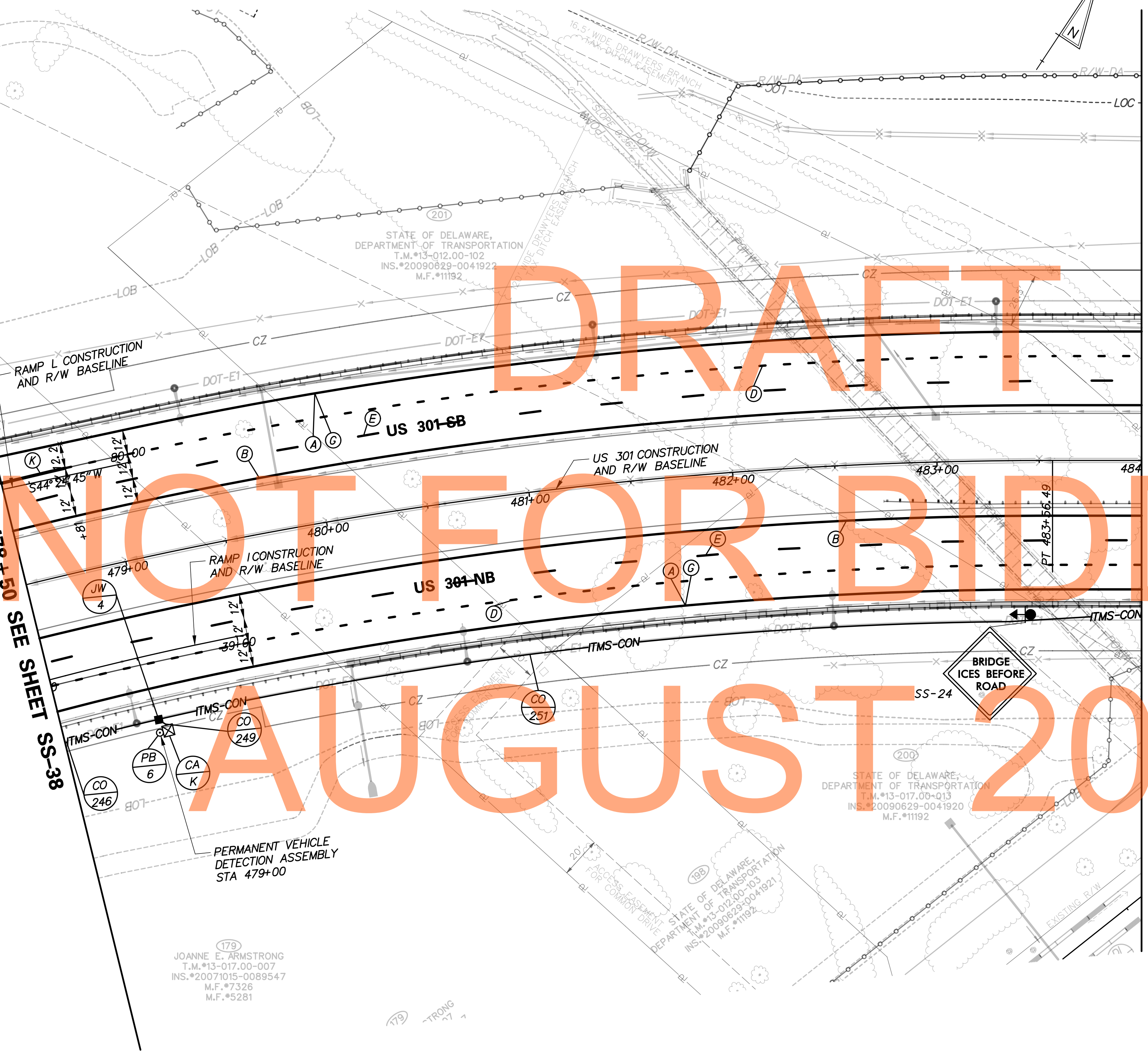
CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DRB SF
NEW CASTLE		

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-39
SHEET NO.
1073
TOTAL SHTS.
1256

MATCHLINE STA 478+50 SEE SHEET SS-38

MATCHLINE STA 484+00 SEE SHEET SS-40



NOT FOR BIDDING
AUGUST 2015

DRAFT

179
JOANNE E. ARMSTRONG
T.M.#13-017.00-007
INS.#20071015-0089547
M.F.#7326
M.F.#5281

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
T.M.#13-017.00-013
INS.#20090629-0041920
M.F.#11192

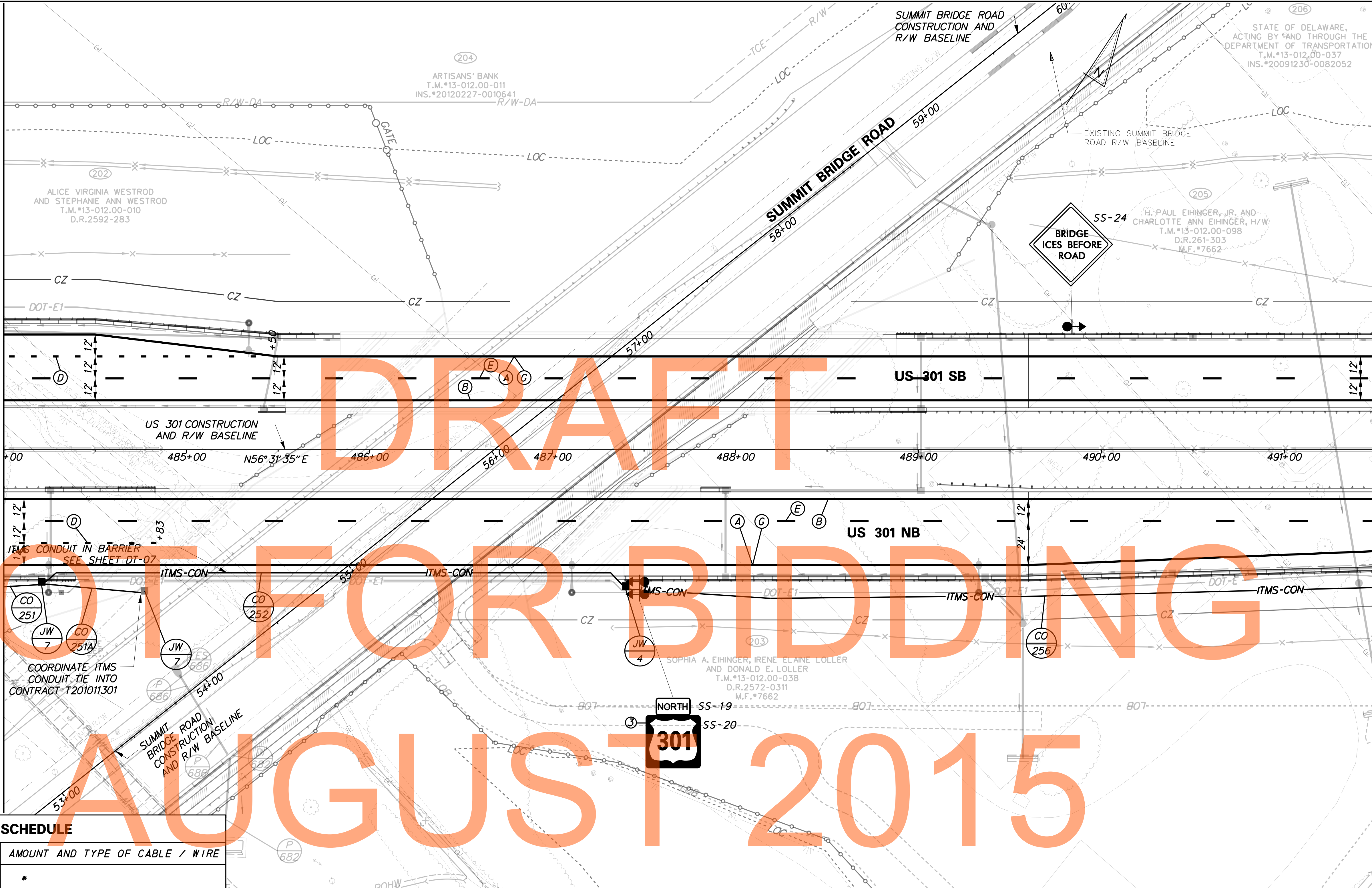
STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
T.M.#13-012.00-03
INS.#20090923#0041921
M.F.#11192

NOT FOR BIDDING

AUGUST 2015

MATCHLINE STA 484+00 SEE SHEET SS-39

MATCHLINE STA 491+50 SEE SHEET SS-41



* INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS
 ** INDICATES CONDUIT RUN INSTALLED WITHIN BARRIER

CONDUIT RUN SCHEDULE					
CR#	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
251*	*	*	*	*	*
251A	1	4" PVC	60'	T	
252	1	4" PVC	320'	**	
253					NOT USED
254					NOT USED
255					NOT USED
256	1	4" PVC	525'	T	
257					NOT USED

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

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
Ⓐ	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1, 501 LF
Ⓑ	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	1, 500 LF
Ⓓ	13" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 3' LINE & 9' GAP (ITEM 748567)	58 LF
Ⓔ	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	375 LF
Ⓒ	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	1, 501 LF

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-19	③	M3-1	30" x 15"	1
SS-20	③	M1-4	60" x 48"	1
SS-24	③	WB-13	48" x 48"	1

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

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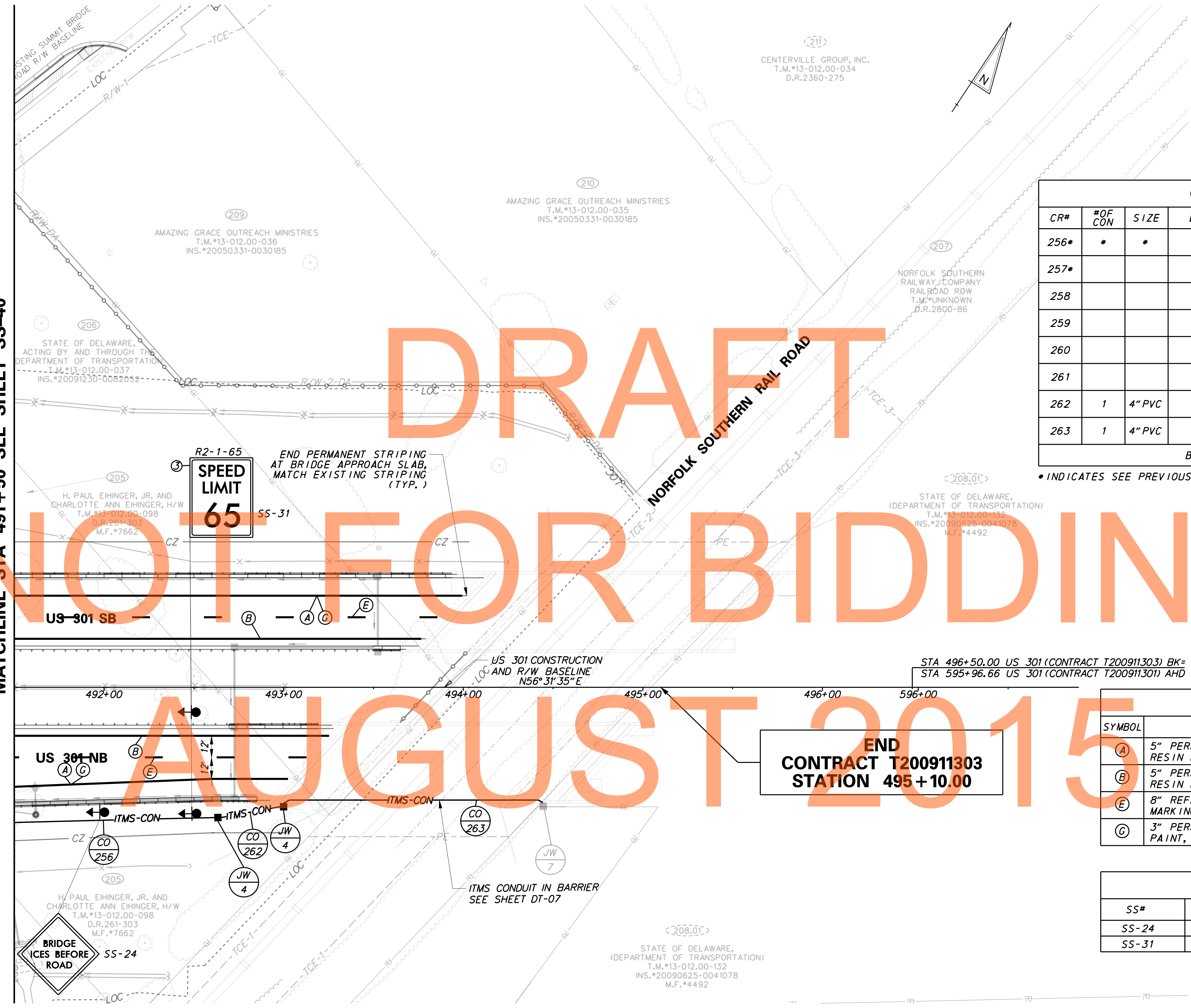
<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS	SCALE 	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT T20091303 COUNTY NEW CASTLE	BRIDGE NO. DESIGNED BY: JE JW CHECKED BY: DRB SF	SIGNING, STRIPING & CONDUIT PLAN	SS-40 SHEET NO. 1074 TOTAL SHTS. 1256
	<p style="text-align: right;">STATE OF DELAWARE, ACTING BY AND THROUGH THE DEPARTMENT OF TRANSPORTATION T.M.#13-012,00-037 INS.#20091230-0082052</p>						

DRAFT

NOT FOR BIDDING

AUGUST 2015

MATCHLINE STA 491+50 SEE SHEET SS-40



CONDUIT RUN SCHEDULE					
CR#	#OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
256*	*	*	*	*	*
257*					NOT USED
258					NOT USED
259					NOT USED
260					NOT USED
261					NOT USED
262	1	4" PVC	35'	T	
263	1	4" PVC	145'	O	

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

*INDICATES SEE PREVIOUS SHEET FOR CONDUIT RUN DETAILS

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

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	402 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	402 LF
(E)	8" REFLECTIVE PREFORMED PATTERNED CONTRAST MARKINGS, 10' LINE & 30' GAP (ITEM 748566)	100 LF
(C)	3" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK (ITEM 748557)	402 LF

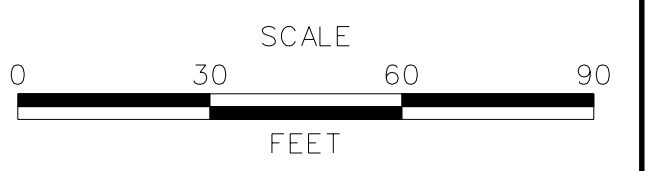
STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-24	③	W8-13	48" x 48"	1
SS-31	③	R2-1-65	48" x 60"	2

NOTE: REFER TO SHEET SS-01 FOR PROJECT SIGNING NOTES.

P:\CADD\260049040 US 301 CIVIL PLANS\2A CPV\AET\SS-41.DGN



ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DRB SF
NEW CASTLE		

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-41
SHEET NO.
1075
TOTAL SHTS.
1256

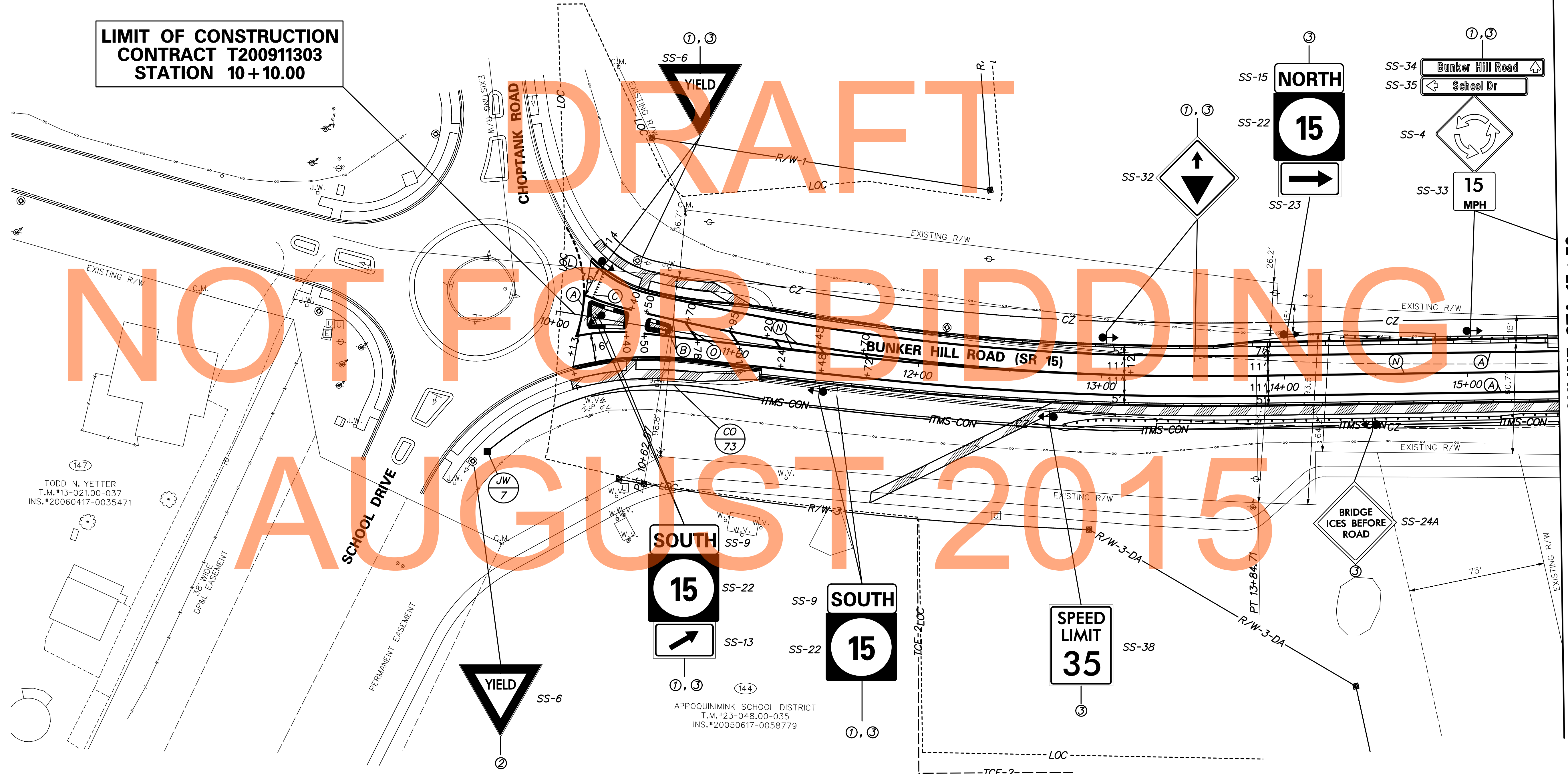
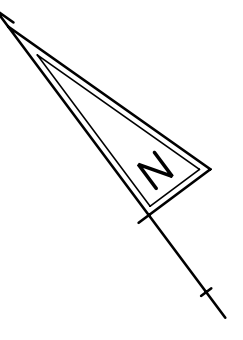
CONDUIT RUN SCHEDULE					
CO#	# OF CON	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
73	1	4" PVC	600'	T	

PAVEMENT MARKING LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE (ITEM 748548)	1,100 LF
(B)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748548)	83 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD THERMOPLASTIC, WHITE (ITEM 748015)	8 SF
(L)	10" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE, 2' LINE AND 2' GAP (ITEM 748549)	20 LF
(N)	5" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW (ITEM 748548)	1,471 LF
(O)	12" PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW (ITEM 748509)	33 LF

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

NOTE:
1. REFER TO SHEET SS-01 FOR PROJECT SIGNING, STRIPING AND CONDUIT NOTES

STANDARD SIGN SCHEDULE				
SS#	LEGEND	SIGN	SIZE	QUANTITY (EA)
SS-4	1, 3	W2-6	30" x 30"	1
SS-6	1, 2, 3	R1-2	36" x 36" x 36"	2
SS-9	1, 3	M3-3	24" x 12"	2
SS-13	1, 3	M6-2R	21" x 15"	1
SS-15	3	M3-1	24" x 12"	1
SS-22	1, 3	M1-5	24" x 24"	3
SS-23	3	M6-1R	21" x 15"	1
SS-24A	3	W8-13	30" x 30"	1
SS-32	1, 3	W3-2	36" x 36"	1
SS-33	1, 3	W13-1-15	18" x 18"	1
SS-34	1, 3	W16-8a-DE	44" x 8"	1
SS-35	1, 3	W16-8a-DE	36" x 8"	1
SS-38	3	R2-1-35	24" x 30"	1



TODD N. YETTER
T.M.*13-021.00-037
INS.*20060417-0035471

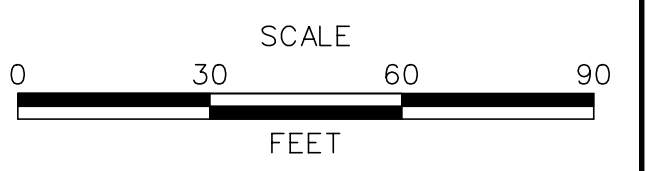
APPOQUINIMINK SCHOOL DISTRICT
T.M.*23-048.00-035
INS.*20050617-0058779

MATCHLINE STA. 15+50
SEE SHEET SS-12

T:\NEW CASTLE\301\ROAD\T200911303\PLANS\CPA\SS03_12A_URS.DGN



ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	AG
COUNTY	CHECKED BY:	MT
NEW CASTLE		

**SIGNING, STRIPING &
CONDUIT PLAN**

SS-42	SHEET NO.
1076	TOTAL SHTS.
1256	

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS	
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH				RADIUS
OH-3	20	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W (2) CLEARVIEWHWY -5-W (TO BE CONSTRUCTED BY OTHERS)
				210	15'-0"	14'-0"	W	G	2"	12"	TYPE A @ 45°	SR 896 45" x 36"	
OH-4 OH-5	30 38	1 1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
				240	24'-0"	10'-0"	W	G	2"	12"	TYPE A @ 45°	SR 71 36" x 36"	

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LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\26049040 US301\CIVIL\PLANS\2A\CPA\ET\SS-47.DGN

	ADDENDUMS / REVISIONS	SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-47
				T20091303			SHEET NO.
				COUNTY	DESIGNED BY: DB JW		TOTAL SHTS.
				NEW CASTLE	CHECKED BY: SH SF		1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE			COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH	RADIUS			
GM-5	10	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W (2) CLEARVIEWHWY -5-W (TO BE CONSTRUCTED BY OTHERS)
				238	14'-0"	17'-0"	W	G	2"	12"	-	SR896 45" x 36"	
GM-	-	-		77	14'-0"	5'-6"	W	G	2"	12"	-	-	EXTRUDED ALUMINUM SERIES D

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AUGUST 2015

LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\2160049040 US301\CIVIL\PLANS\2A\CP\AET\SS-48.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-48
					T200911303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1082
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS.
								1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH			
GM-6	10	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-
				285	19'-0"	15'-0"	W	G	2"	12"	-	SR299 45" x 36"
GM-7	15	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-
				238	14'-0"	17'-0"	W	G	2"	12"	-	SR896 45" x 36"
GM-8	14	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-
				285	19'-0"	15'-0"	W	G	2"	12"	-	SR299 45" x 36"

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AUGUST 2015

LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\AET\SS-49.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-49
					T200911303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1083
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS.
								1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH			
OH-1A	01	1		112	16'-0"	7'-0"	E	Y				EXTRUDED ALUMINUM E SERIES
				112	16'-0"	7'-0"	W	G	2"	12"	-	-
OH-1B	01	1		117	13'-0"	9'-0"	W	G	2"	12"	-	E-ZPass 99" x 24" ONLY 66" x 20" EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W
OH-2	03	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
				276	23'-0"	12'-0"	W	G	2"	12"	TYPE A @ 45° SR299 45" x 36"	

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LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\AET\SS-46.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-46
					T200911303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1080
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS.
								1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS	
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH				RADIUS
OH-3	20	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W (2) CLEARVIEWHWY -5-W (TO BE CONSTRUCTED BY OTHERS)
				210	15'-0"	14'-0"	W	G	2"	12"	TYPE A @ 45°	SR 896 45" x 36"	
OH-4 OH-5	30 38	1 1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
				240	24'-0"	10'-0"	W	G	2"	12"	TYPE A @ 45°	SR 71 36" x 36"	

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LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\216049040 US301\CIVIL\PLANS\2A\CP\AET\SS-47.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-47	
					T20091303			SHEET NO.	1081
					COUNTY	DESIGNED BY: DB JW		TOTAL SHTS.	1256
				NEW CASTLE	CHECKED BY: SH SF				

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE			COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH	RADIUS			
GM-5	10	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W (2) CLEARVIEWHWY -5-W (TO BE CONSTRUCTED BY OTHERS)
				238	14'-0"	17'-0"	W	G	2"	12"	-	SR896 45" x 36"	
GM-	-	-		77	14'-0"	5'-6"	W	G	2"	12"	-	-	EXTRUDED ALUMINUM SERIES D

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AUGUST 2015

LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\2160049040 US301\CIVIL\PLANS\2A\CP\AET\SS-48.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-48
					T20091303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1082
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS.
								1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS	
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH				RADIUS
GM-6	10	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
GM-7	15	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -4-W (2) CLEARVIEWHWY -5-W (TO BE CONSTRUCTED BY OTHERS)
GM-8	14	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W

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NOT FOR BIDDING
AUGUST 2015

LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\AET\SS-49.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-49
					T20091303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1083
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS.
								1256

PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS	
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH				RADIUS
GM-9	21	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
				240	20'-0"	12'-0"	W	G	2"	12"	-	SR71 30" x 36"	
GM-10	25	1		23.75	9'-6"	2'-6"	W	G	2"	3"	-	-	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (1) CLEARVIEWHWY -4-W
				240	20'-0"	12'-0"	W	G	2"	12"	-	SR71 36" x 36"	
GM-12	32	1		221	17'-0"	13'-0"	W	G	2"	12"	FH LT & UP	SR 71 24" x 24" TOLL 36" x 12" US 301 30" x 24"	EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W

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AUGUST 2015

LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\260049040 US301\CIVIL\PLANS\2A\CP\AET\SS-50.DGN

	ADDENDUMS / REVISIONS		SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-50
					T200911303			SHEET NO.
					COUNTY	DESIGNED BY: DB JW		1084
					NEW CASTLE	CHECKED BY: SH SF		TOTAL SHTS. 1256

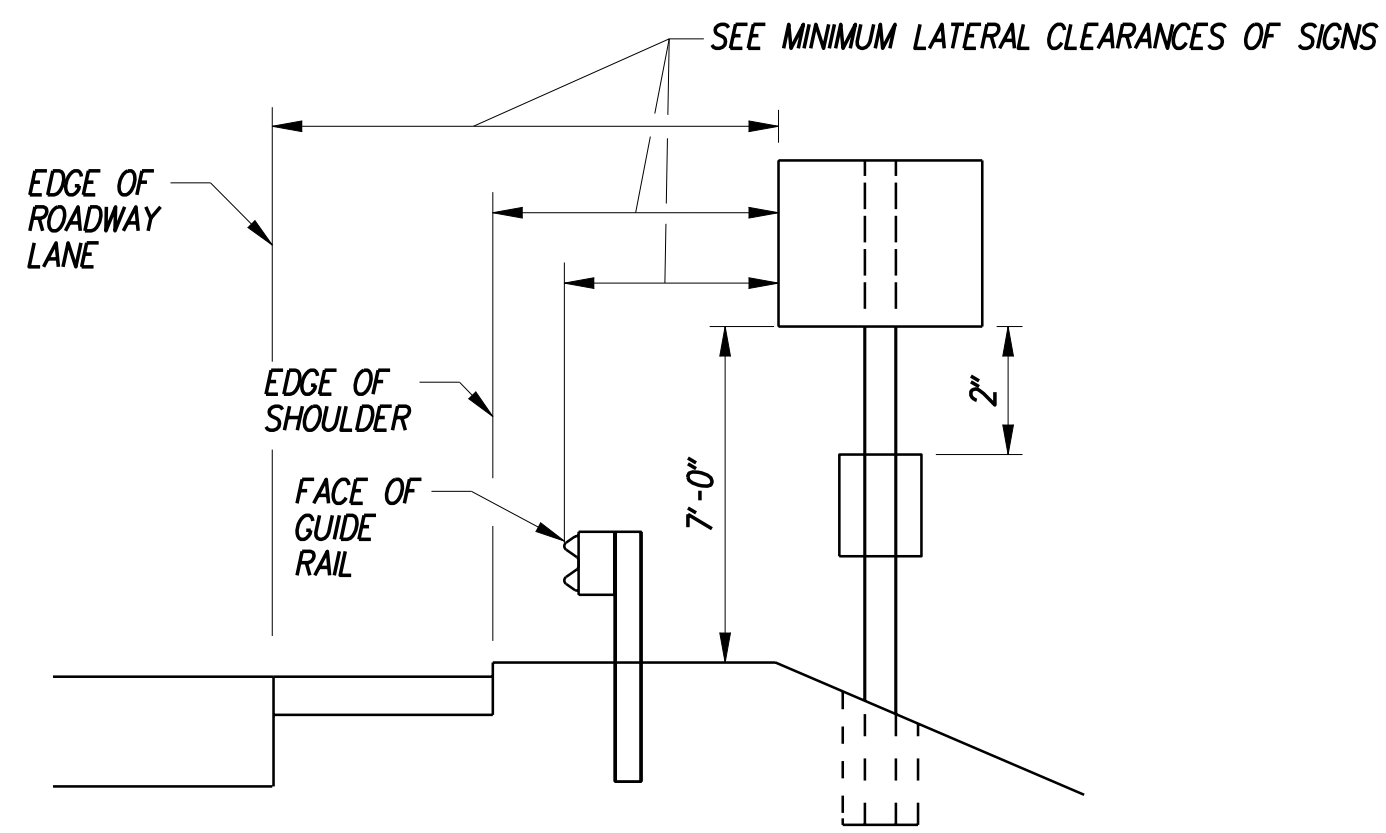
PANEL DESIGNATION	DWG. NO. (SS-)	QUANTITY	LEGEND	SIZE		COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH			
GM-13	32	1		228	19'-0"	12'-0"	W	G	2"	12"	FH LT & UP	TOLL 36" x 12" US 301 30" x 24" SR 71 24" x 24" EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
GM-14	32	1		128	16'-0"	8'-0"	W	G	2"	12"	FH LT	TOLL 36" x 12" US 301 30" x 24" EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W
GM-20	33	1		204	17'-0"	12'-0"	W	G	2"	12"	FH UP & RT	US 301 30" x 24" US 301 30" x 24" EXTRUDED ALUMINUM (1) CLEARVIEWHWY -5-W (2) CLEARVIEWHWY -4-W

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NOT FOR BIDDING
AUGUST 2015

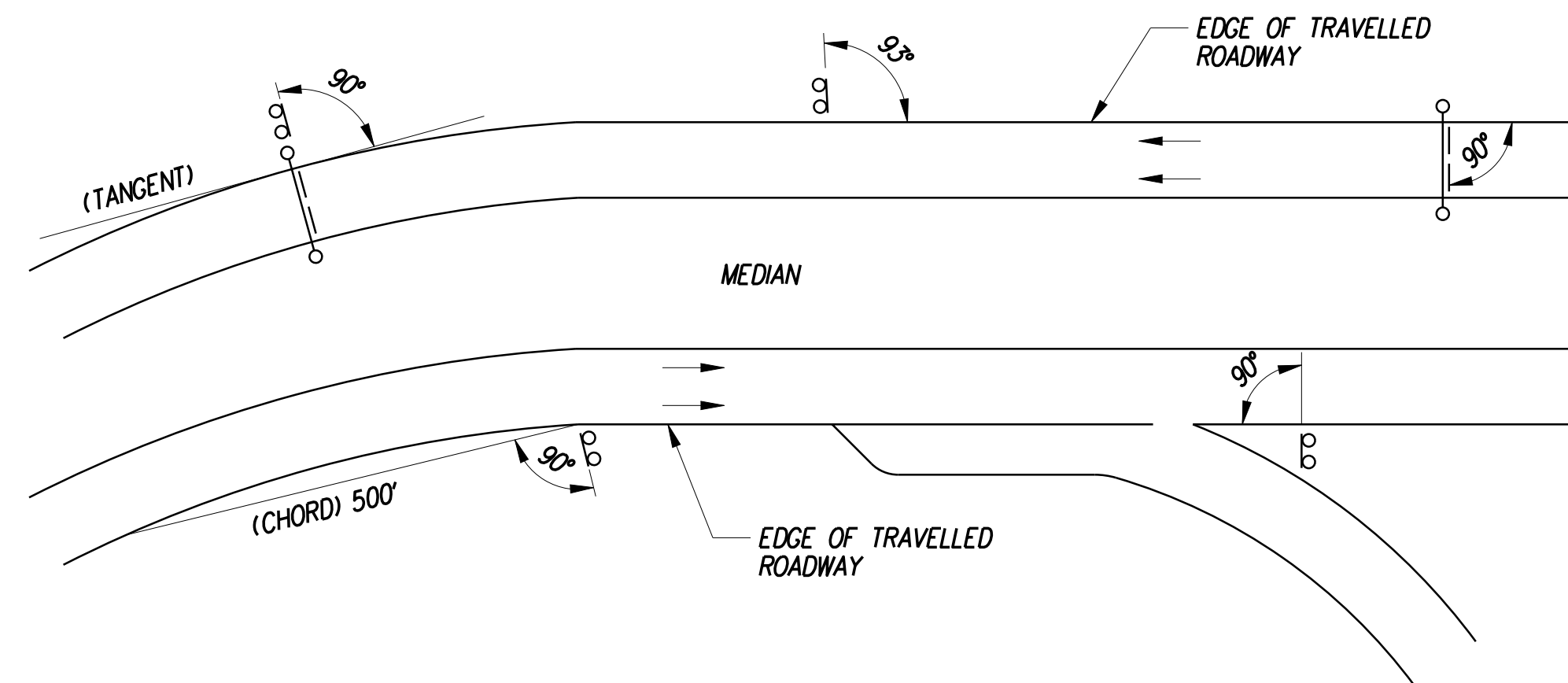
LEGEND & BACKGROUND COLORS: B=BLACK, BLU=BLUE, G=GREEN, R=RED, W=WHITE/SILVER, Y=YELLOW, FY=FLUORESCENT YELLOW, P=PURPLE, LT=LEFT, RT=RIGHT, FH=FISH-HOOK ARROW PER DE-MUTCD

LAST REVISED: 5/5/2009 P:\CADD\260049040 US301\CIVIL\PLANS\2A\CPV\LET\SS-51.DGN

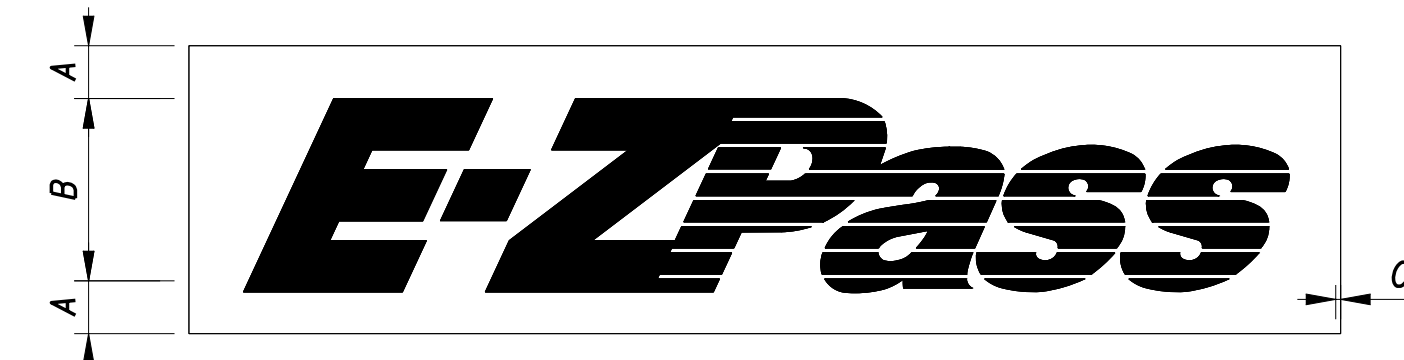
	ADDENDUMS / REVISIONS	SCALE AS SHOWN	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN DETAILS	SS-51	
				T200911303			SHEET NO.	1085
				COUNTY	DESIGNED BY: DB JW		TOTAL SHTS.	1256
				NEW CASTLE	CHECKED BY: SH SF			



STANDARD SIGN VERTICAL AND LATERAL CLEARANCE DETAIL
N.T.S.



ORIENTATION OF SIGN FACES
N.T.S.



DETAIL	DIMENSIONS (INCHES)			AREA	WIDTH	HEIGHT
	A	B	C			
E-ZPASS-H	4-1/2	15	3/4	16.5 SF	99	24
E-ZPASS-K	4-1/2	21	3/4	21.1875 SF	130-1/2	30

FOR EZPASS LOGO - REFER TO MCTA-09.01 GRID.

E-Z PASS LOGO DETAIL

MINIMUM LATERAL CLEARANCE OF SIGNS

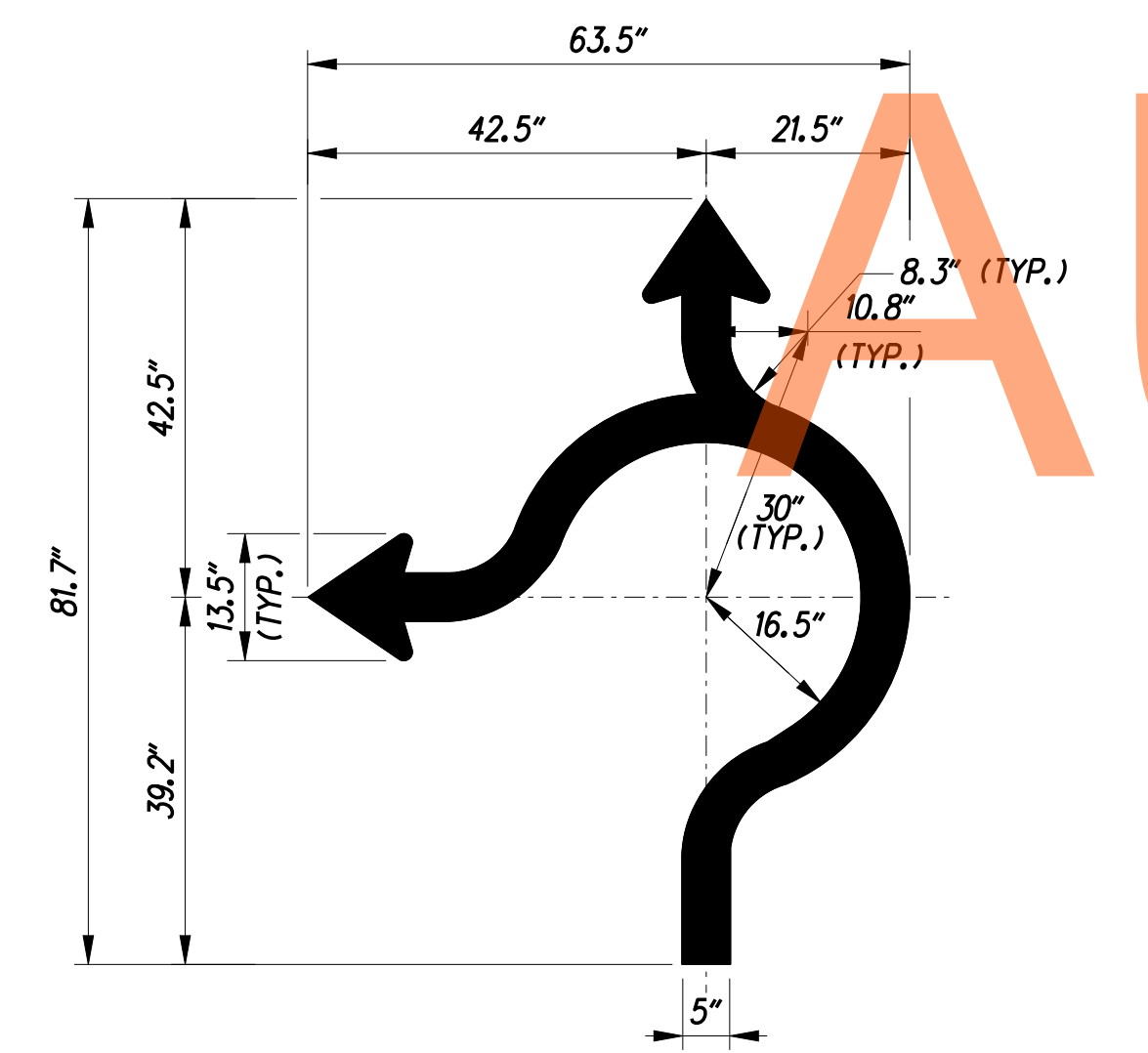
- 1 = EDGE OF SIGN 6' FROM FACE OF W-BEAM TRAFFIC BARRIER
- 2 = EDGE OF SIGN 6' PREFERABLE MIN (2' ABSOLUTE MIN. FROM FACE OF CURB
- 3 = EDGE OF SIGN 6' FROM EDGE OF SHOULDER
- 4 = EDGE OF SIGN 6' PREFERABLE MIN. (2' ABSOLUTE MIN.) FROM EACH EDGE OF SHOULDER IN MEDIAN

NOTE: ALL SUPPORTS WITHIN THE CLEAR ZONE SHALL BE BREAKAWAY UNLESS PROTECTED.

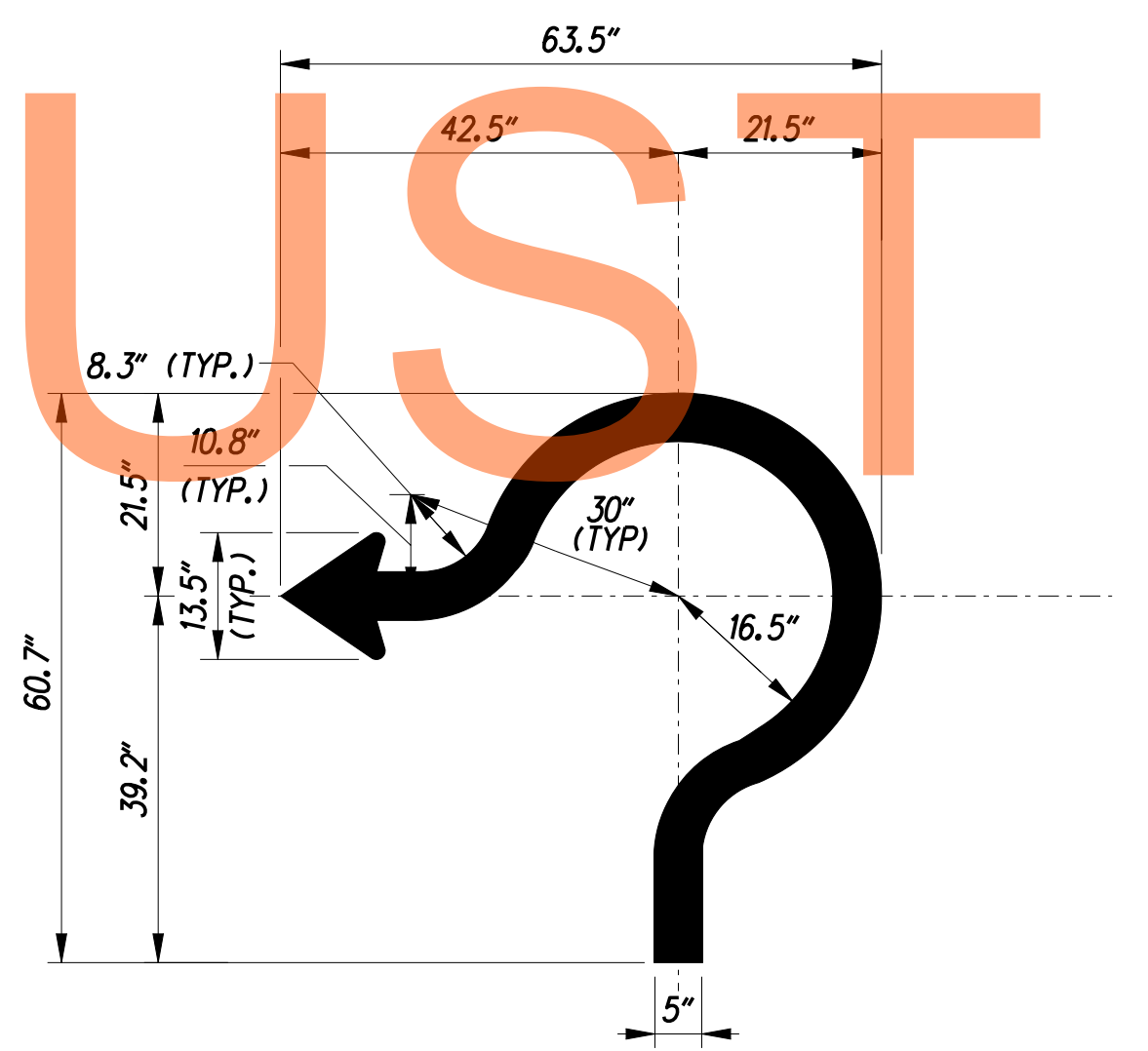
ROADSIDE SIGNS:

1. VERTICAL ALIGNMENT POSITION PANEL SO FACE IS PLUMB.
2. HORIZONTAL ALIGNMENT (SEE DIAGRAM ABOVE)
 - A.) ON STRAIGHT ROADWAY SECTIONS, ANGLE OF SIGN FACE TO ROADWAY SHALL BE 93° TO EDGE OF ROAD.
 - B.) ON THE INSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL MAKES AN ANGLE OF 90° WITH A CHORD BETWEEN A POINT ON NEAR EDGE OF PAVEMENT AT SIGN LOCATION AND A POINT ON EDGE OF PAVEMENT 500' IN ADVANCE OF SIGN.
 - C.) ON THE OUTSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT THE SIGN LOCATION.
 - D.) ANGLE OF SIGNS AT GORES AND RAMP SEPARATIONS SHALL BE 90° TO EDGE OF MAINLINE ROADWAY.

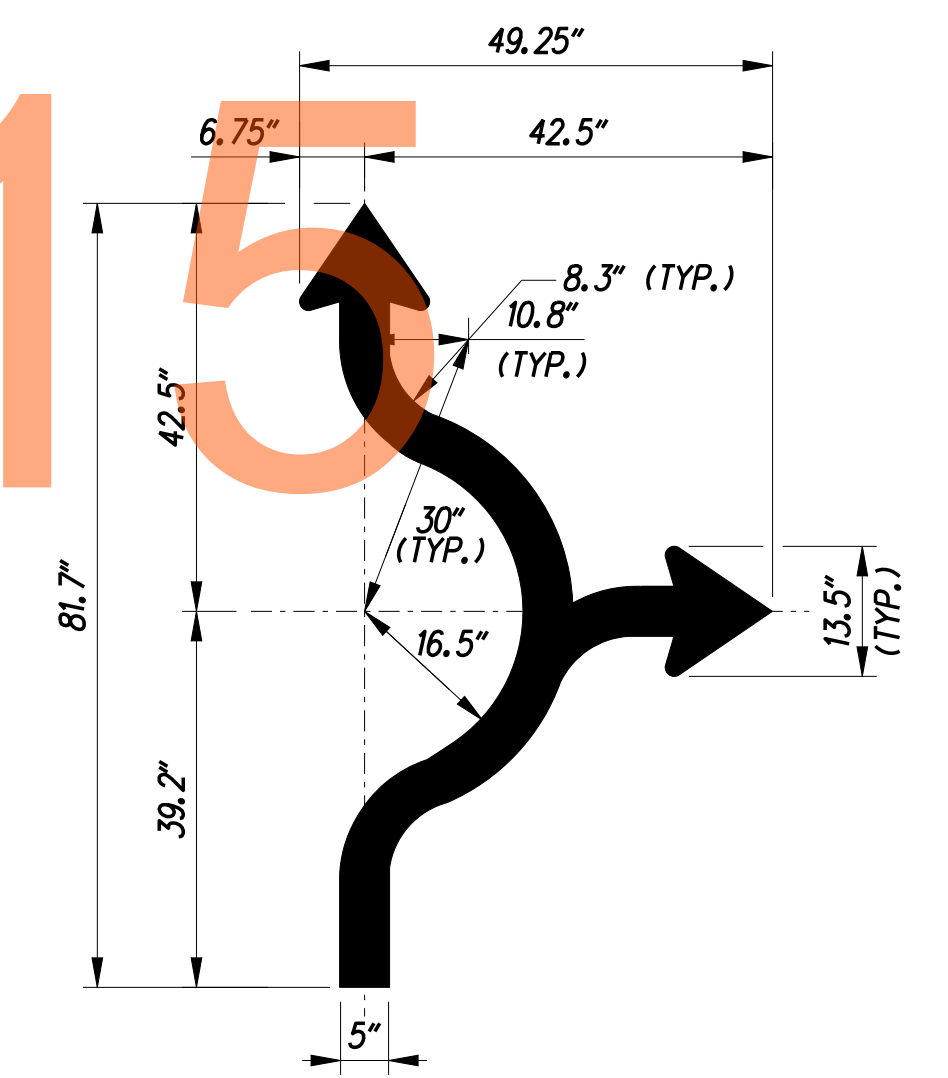
NOT FOR BIDDING



CIRCULAR INTERSECTION ARROW DETAIL, - GM-12 & GM-13
N.T.S.



CIRCULAR INTERSECTION ARROW DETAIL, GM-14
N.T.S.



CIRCULAR INTERSECTION ARROW DETAIL, GM-20
N.T.S.

LAST REVISED: 5/5/2009 G:\60049040-US50\CIVIL\PLANS\2A\CP\SS-52.DGN

ADDENDUMS / REVISIONS

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: DWB JW CHECKED BY: JF SF

SS-52
SHEET NO. 1086
TOTAL SHTS. 1256

GROUND MOUNTED SIGN SUPPORT TABLE

SIGN NO.	SHEET NO.	BASELINE	STATION	SIDE	OFFSET FROM EDGE OF LANE	PANEL WIDTH W (ft)	PANEL HEIGHT H (ft)	NO. OF POSTS	L1 (FT)	L2 (FT)	L3 (FT)	L4 (FT)	REMARKS**	DELDOT Provided STANDAR D SIGN & POSTS	BOS EL.	*** MAX. POST HEIGHT "L"	CHANNEL BAR POST LENGTH "B"	CHANNEL BAR POST SIZE (LB/FT)/ I-BEAM SIZE	LENGTH POST 1 (FT)	LENGTH POST 2 (FT)	LENGTH POST 3 (FT)	FOUND ATION TYPE	FOOTING DIA (INCHES)	FOOTING LENGTH (FT)	TOP OF FOOTING P1 ELEV	TOP OF FOOTING P2 ELEV	TOP OF FOOTING P3 ELEV
GM-5	SS-10	US 301	330+50.00	RT	39	14.0	17.0	2	2.80	8.40	2.80	NA	I-BEAM		78.62	10.30	NA	W18X35	10.30	7.50	0	C	36	11	68.32	71.12	NA
GM-6	SS-10	US 301	336+42.00	LT	16	19.0	15.0	3	2.21	7.54	7.54	2.21	I-BEAM*		77.03	10.12	NA	W12X26	8.86	9.94	10.12	P1=C P2=A P3=A	36	9	68.17	67.09	66.91
GM-7	SS-15	US 301	370+11.00	RT	39	14.0	17.0	2	2.80	8.40	2.80	NA	I-BEAM		81.54	10.30	NA	W18X35	10.30	7.50	0	C	36	11	71.24	74.04	NA
GM-8	SS-14	US 301	362+82.00	LT	40	19.0	15.0	3	2.19	7.56	7.56	2.19	I-BEAM *		81.20	11.91	NA	W14X30	8.29	9.39	11.91	P1=A P2=C P3=C	36	10	72.91	71.81	69.29
GM-9	SS-21	US 301	402+15.00	RT	32	20.0	12.0	2	4.00	12.00	4.00	NA	I-BEAM		79.23	10.44	NA	W14X30	10.44	9.05	0	P1=C P2=B	36	10	68.79	70.18	NA
GM-10	SS-25	US 301	427+08.00	RT	38	20.0	12.0	2	4.00	12.00	4.00	NA	I-BEAM		84.07	11.48	NA	W18X40	11.48	7.50	0	C	36	11	72.59	76.57	NA
GM-12	SS-32	CONNECTOR RD.	15+25.00	RT	23	17.0	13.0	2	3.40	10.20	3.40	NA	I-BEAM		80.27	7.63	NA	W10x26	7.50	7.63	0	A	36	8.5	72.77	72.64	NA
GM-13	SS-32	RAMP L	91+75.00	RT	12	19.0	12.0	2	3.80	11.40	3.80	NA	I-BEAM		79.88	8.39	NA	W12x26	8.19	8.39	0	A	36	9	71.69	71.49	NA
GM-14	SS-32	CONNECTOR RD.	15+00.00	LT	20	16.0	8.0	2	3.20	9.60	3.20	NA	I-BEAM		81.08	7.57	NA	W8x18	7.50	7.57	0	A	30	7.5	73.58	73.51	NA
GM-20	SS-33	CONNECTOR RD.	20+00.00	LT	20	17.0	12.0	2	3.40	10.20	3.40	NA	I-BEAM		80.92	12.60	NA	W18X40	12.60	10.13	0	A	36	10	68.32	70.79	NA
GM-21	SS-06	RAMP C	12+00.00	RT	14	14.0	5.5	2	2.80	8.40	2.80	NA	I-BEAM		74.13	12.83	NA	W8x18	10.02	12.83	0	C	30	7.5	64.11	61.30	NA
GM-22	SS-03	RAMP F	43+00.00	RT	14	14.0	5.5	2	2.80	8.40	2.80	NA	I-BEAM		57.95	10.36	NA	W8x18	8.96	10.36	0	C	30	7.5	65.17	63.77	NA
GM-23	SS-32	RAMP I	26+50.00	RT	14	14.0	5.5	2	2.80	8.40	2.80	NA	I-BEAM		80.57	8.37	NA	W8x18	8.03	8.37	0	A	30	7.5	66.10	65.76	NA
GM-24	SS-37	RAMP L	85+00.00	RT	14	14.0	5.5	2	2.80	8.40	2.80	NA	I-BEAM		93.18	11.86	NA	W8x18	9.01	11.86	0	C	30	7.5	65.12	62.27	NA
GM-25	SS-06	RAMP C	12+00.00	LT	12	14.0	5.5	2	2.80	8.40	2.80	NA	I-BEAM		75.00	12.56	NA	W8x18	9.76	12.56	0	C	30	7.5	64.37	61.57	NA

- NOTES:
- *POST SPACING ADJUSTED TO MAINTAIN 7.0' MIN. BETWEEN POSTS.
 - **REFER TO SIGN DETAIL SHEETS FOR INSTALLATION DETAILS FOR CHANNEL BAR POSTS. ALL CHANNEL BAR POSTS SUPPLIED BY DELDOT.
 - *** LONGEST SUPPORT LENGTH FROM GROUND THAT GOVERNS DESIGN.
 - EOS = EDGE OF SHOULDER
 - FOGR = FACE OF GUIDERAIL
 - ALL SIGNS ARE BREAK-A-WAY. I-BEAM POST DESIGN IS PER MARYLAND STATE HIGHWAY ADMINISTRATION TRAFFIC CONTROL DEVICES DESIGN MANUAL APPENDIX A-7 AS APPROVED FOR USE BY DELDOT.

VERTICAL CLEARANCE OF SIGNS

- 7'-6" MINIMUM FOR BREAKAWAY SUPPORTS.
- 2'-0" MINIMUM
- 7'-6" MINIMUM & PREFERABLE. THIS DIMENSION IS TO BE INCREASED ONLY WHEN REQUIRED TO MEET A = 7'-6" FOR BREAKAWAY OR A (MIN.) = 5'-6" FOR NON-BREAKAWAY AND B (MIN) 2'-0"

ALL DIMENSIONS ARE TO BOTTOM OF SIGN

LATERAL CLEARANCE OF SIGNS

SEE SUPPORT CHARTS FOR LATERAL CLEARANCE OF SIGNS.

DESIGN GUIDELINES BASED ON THE FOLLOWING:

PREFERRED LOCATION IS OUTSIDE THE CLEAR ZONE. IF THIS CONDITION CAN NOT BE MET, THE SIGN SHOULD BE PLACED AS FAR FROM THE ROADWAY AS POSSIBLE

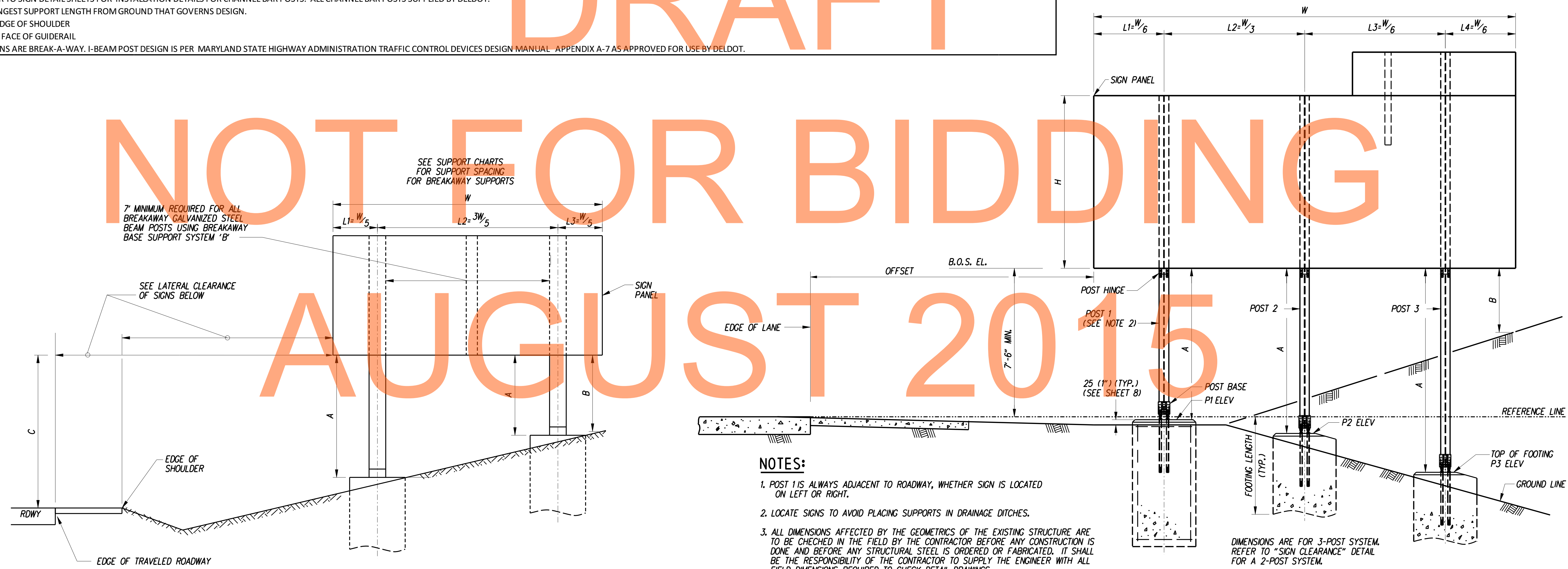
MINIMUM LATERAL CLEARANCES FOR SIGNS ARE:

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

DRAFT

NOT FOR BIDDING

AUGUST 2015



NOTES:

- POST 1 IS ALWAYS ADJACENT TO ROADWAY, WHETHER SIGN IS LOCATED ON LEFT OR RIGHT.
- LOCATE SIGNS TO AVOID PLACING SUPPORTS IN DRAINAGE DITCHES.
- ALL DIMENSIONS AFFECTED BY THE GEOMETRICS OF THE EXISTING STRUCTURE ARE TO BE CHECKED IN THE FIELD BY THE CONTRACTOR BEFORE ANY CONSTRUCTION IS DONE AND BEFORE ANY STRUCTURAL STEEL IS ORDERED OR FABRICATED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY THE ENGINEER WITH ALL FIELD DIMENSIONS REQUIRED TO CHECK DETAIL DRAWINGS.

LEGEND:

B.O.S. BOTTOM OF SIGN

SIGN ELEVATION

N.T.S.

SIGN CLEARANCE

N.T.S.

ADDENDUMS / REVISIONS

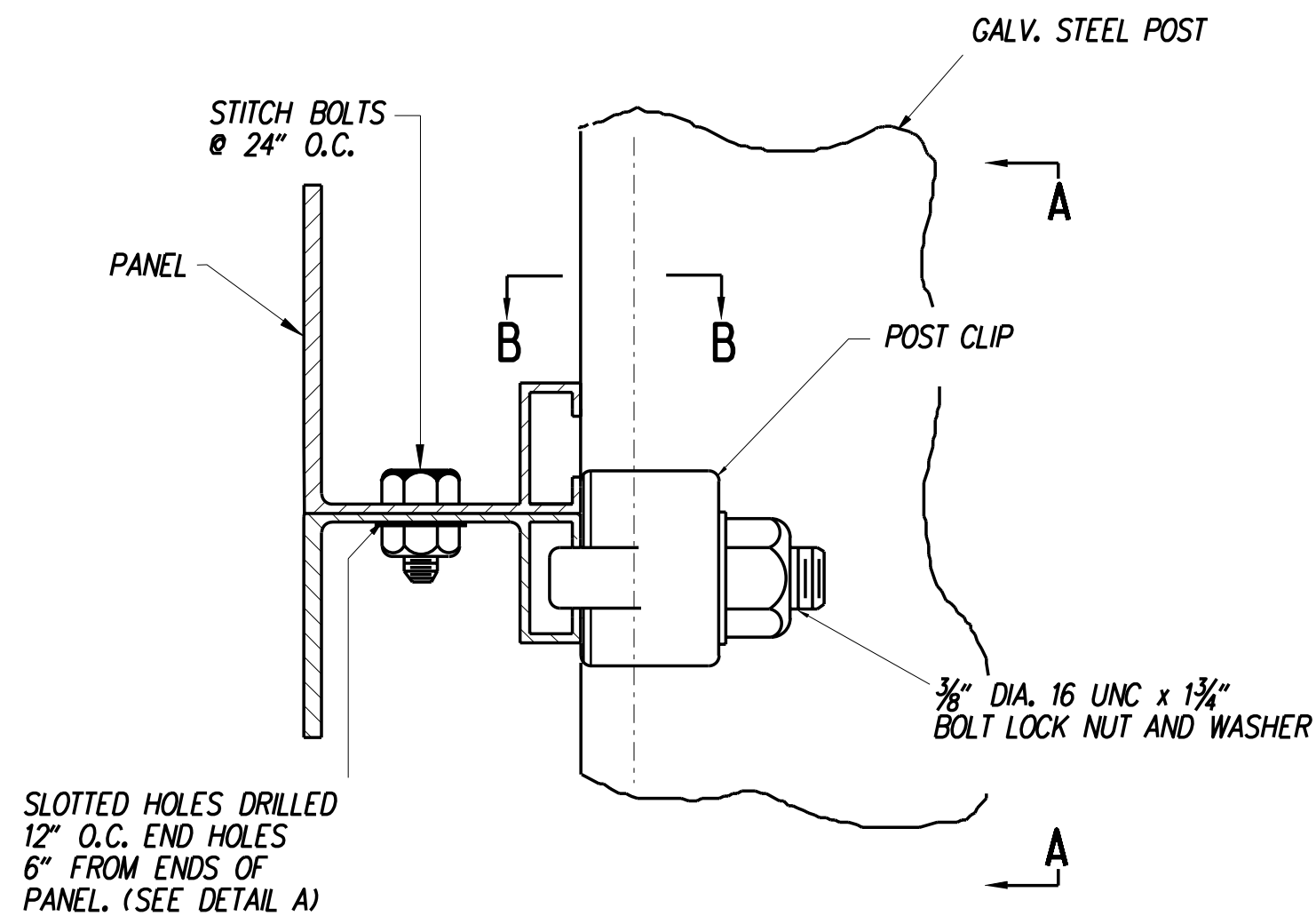


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

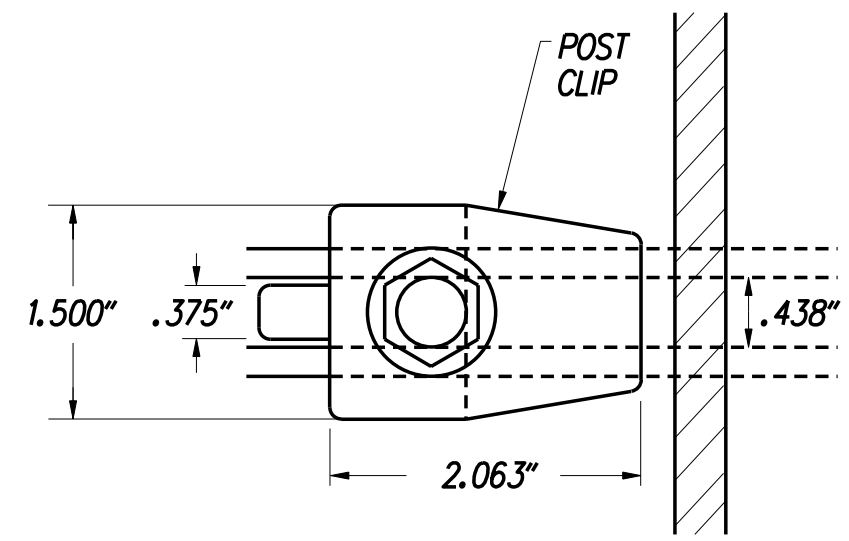
CONTRACT	BRIDGE NO.	SIGN DETAILS
T20091303	DESIGNED BY: DWB JW	
COUNTY	CHECKED BY: JF SF	
NEW CASTLE		

SS-53	SHEET NO.
	1087
	TOTAL SHTS.
	1256

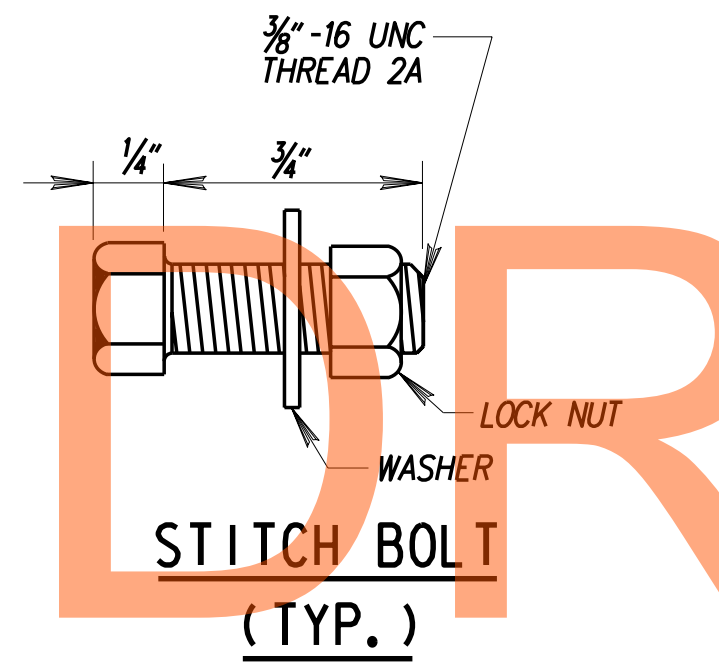
LAST REVISED: 5/5/2009 G:\60049040-US301\CIVIL\PLANS\2A.CP\SS-53.DGN



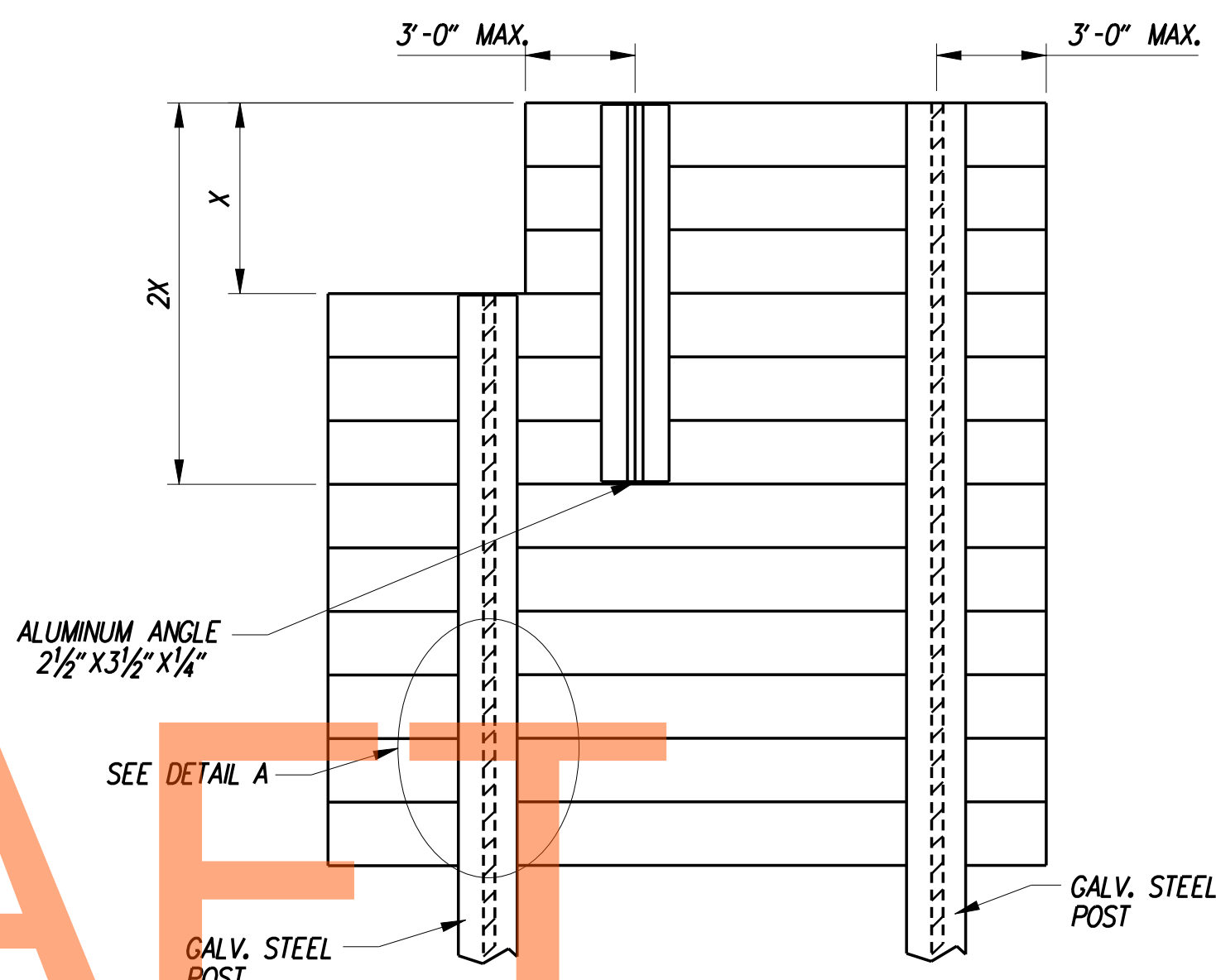
SIGN PANEL ASSEMBLY



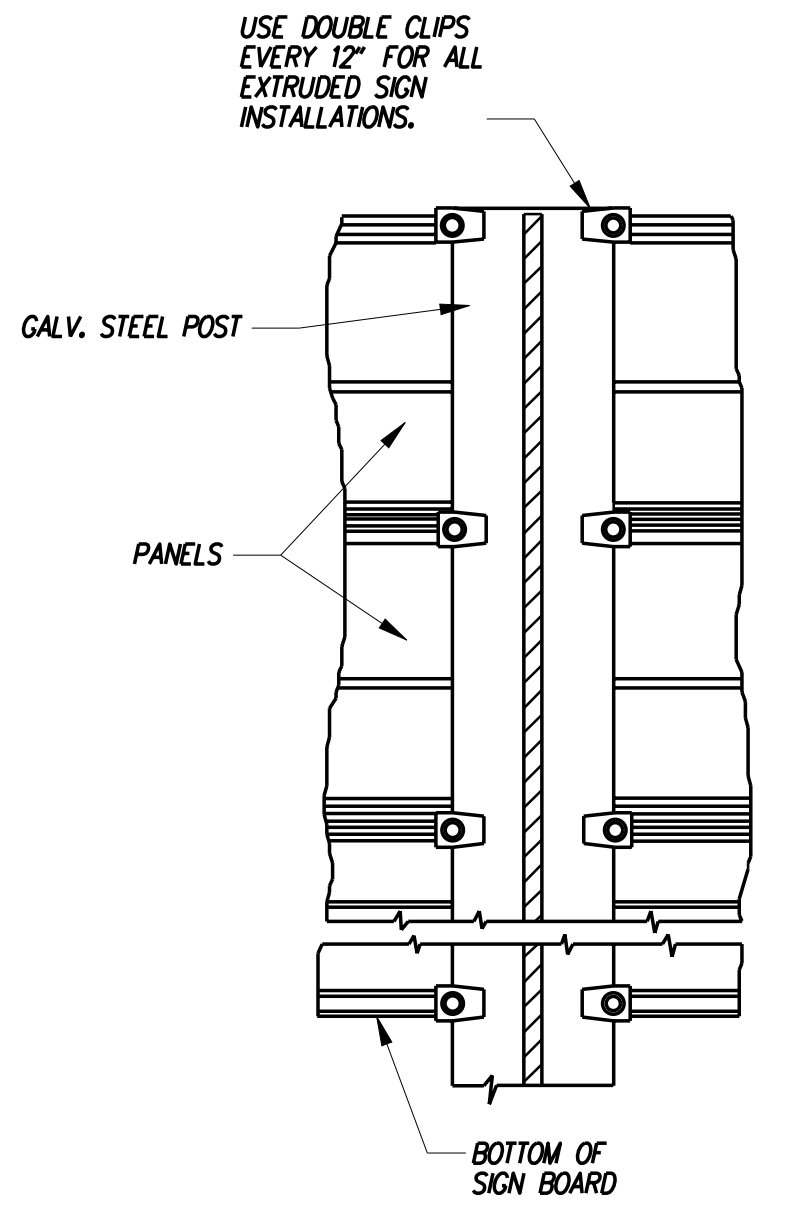
SECTION A-A



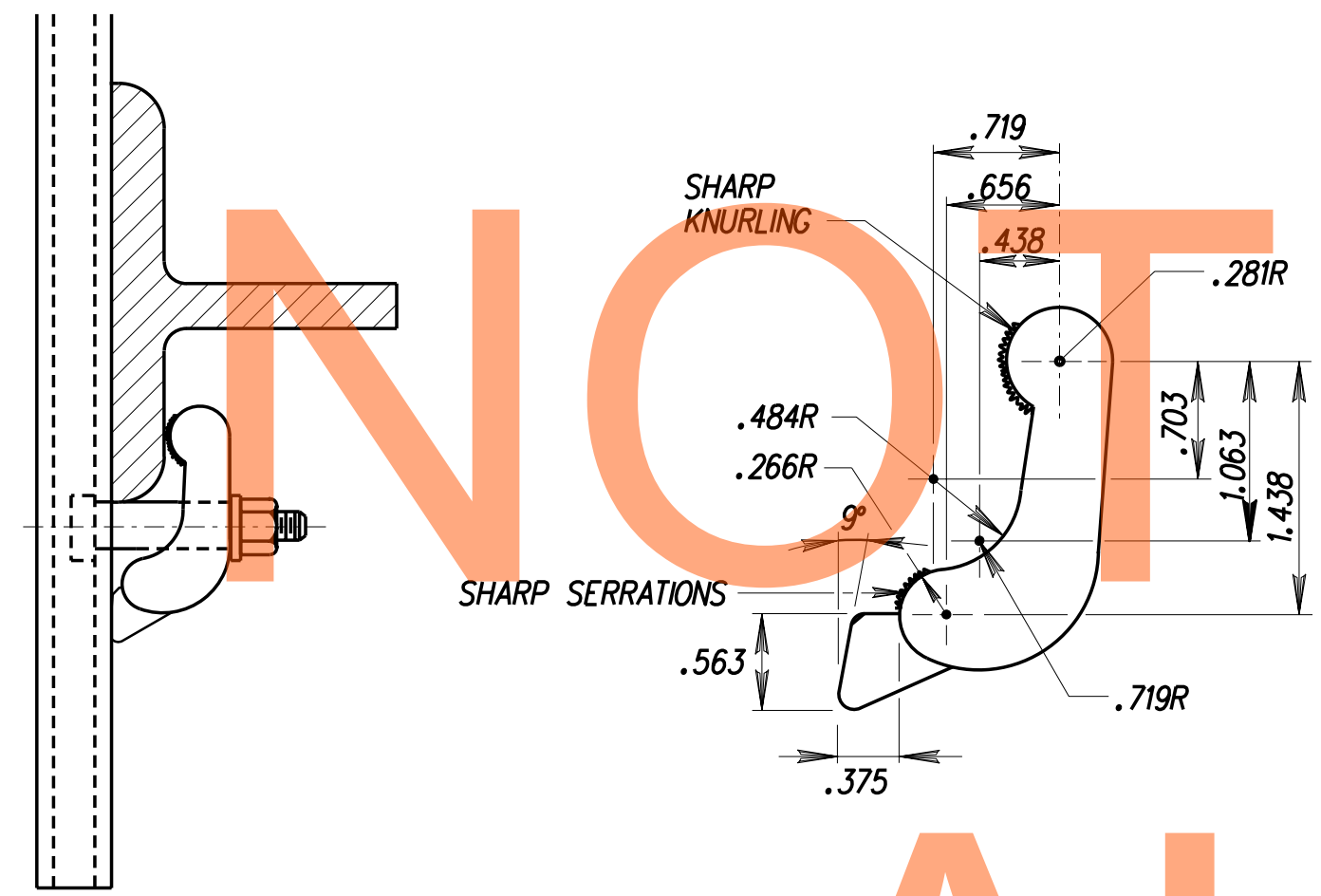
STITCH BOLT (TYP.)



INSTALLATION OF EXIT PANEL TO EXTRUDED SIGN

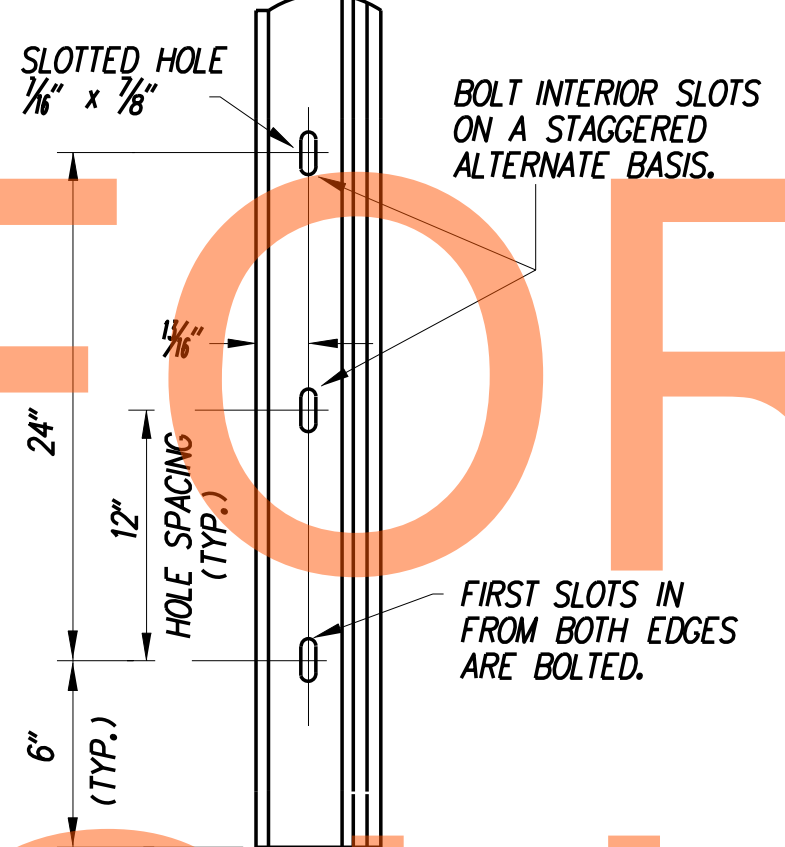


DETAIL A

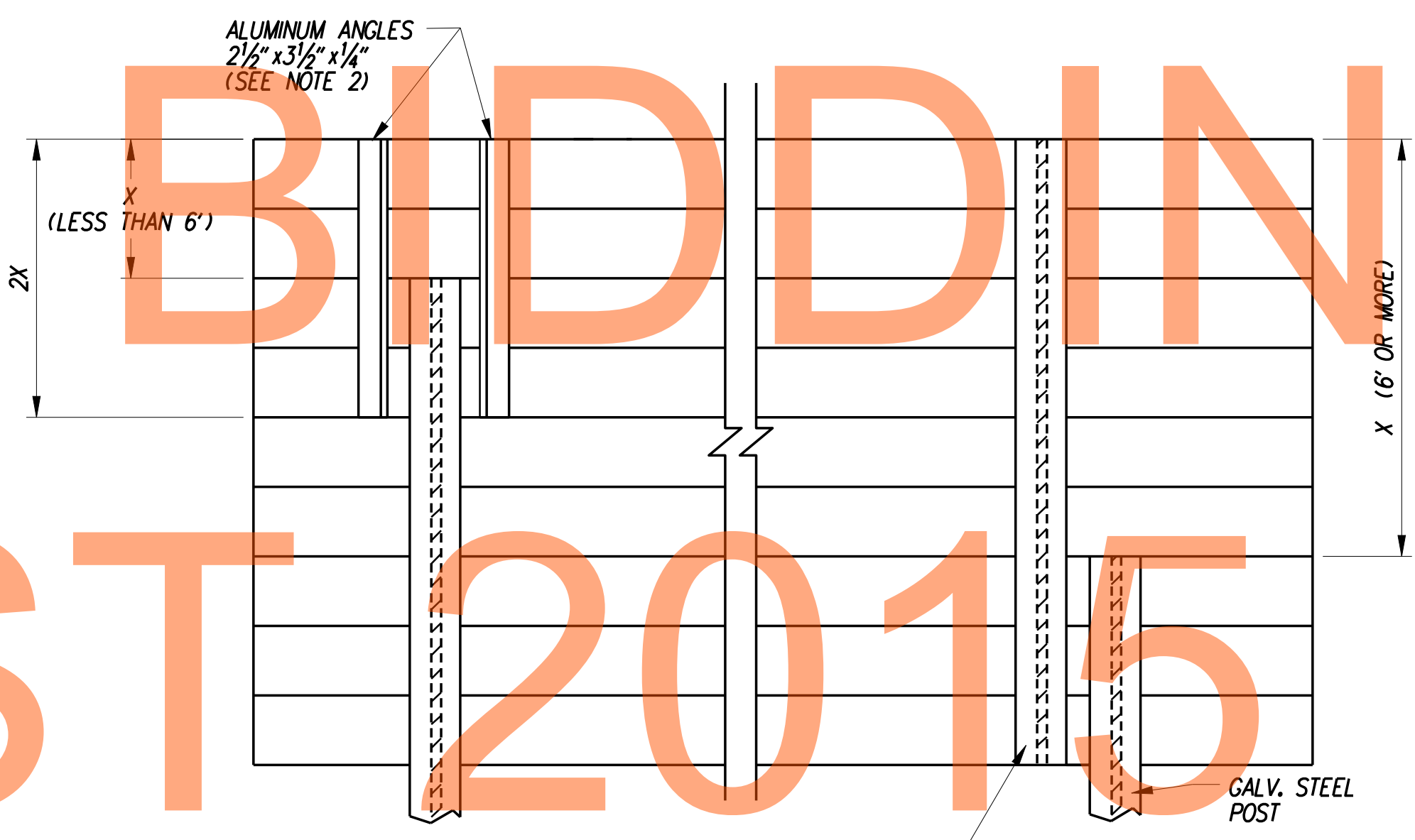


SECTION B-B

POST CLIP (TYP.)



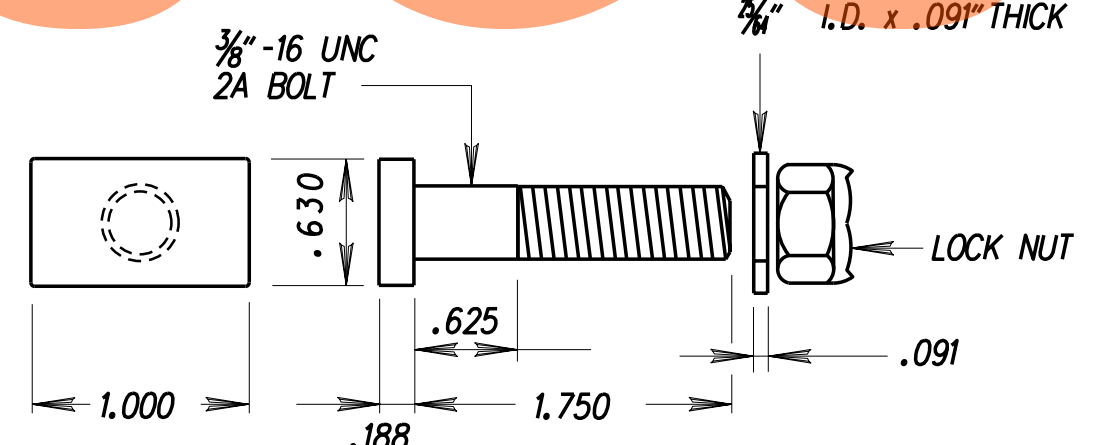
DETAIL A



INSTALLATION OF ADDITIONAL EXTRUDED PANELS TO EXTRUDED SIGN

BOLTS
FLAT WASHERS
RIVETS
NUTS
POST CLIPS

B211, ALLOY 2024-T4, 6262-T9 OR 6061-T6
B209, ALLOY 2024-T4
ALLOY 5052
B211, ALLOY 2017-T4
B108, ALLOY 356-T6



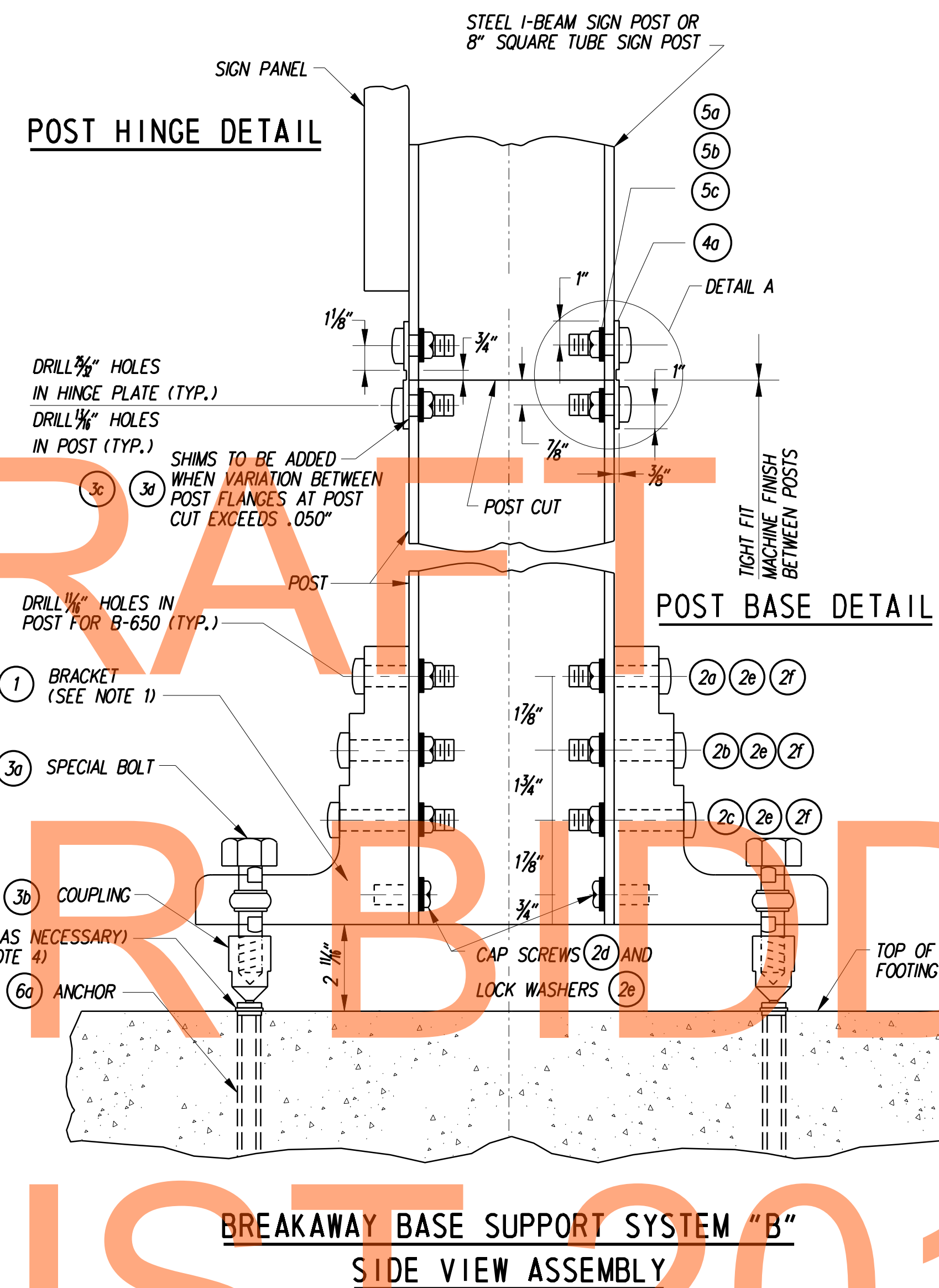
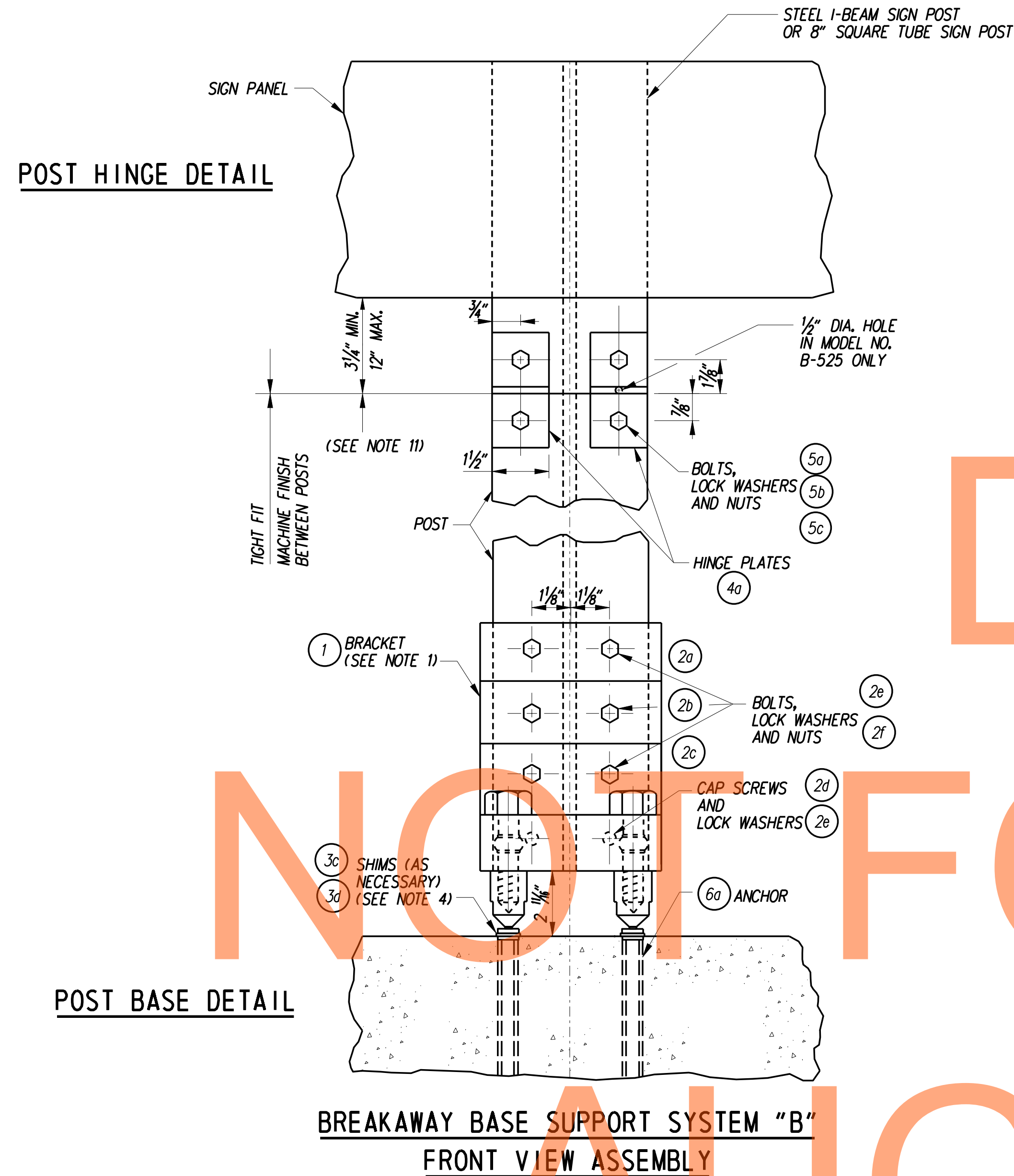
POST CLIP BOLT (TYP.)

- NOTES:**
1. VERTICAL SUPPORTS ARE TO BE CONTINUOUS TO ENTIRE HEIGHT OF SIGN, INCLUDING EXIT PANEL WHERE APPLICABLE.
 2. ON MODIFICATIONS WHERE X IS LESS THAN 6', NON-CONTINUOUS SUPPORTS WILL BE PERMITTED. TOTAL LENGTH OF DOUBLE ANGLES SHALL BE 2X AS NOTED ABOVE.
 3. ON MODIFICATIONS WHERE X IS 6' OR MORE, NON-CONTINUOUS SUPPORTS WILL BE PERMITTED. SPICED SECTIONS SHALL HAVE A W6 x 9 OR EQUAL SECTION ATTACHED TO FULL HEIGHT OF SIGN.
 4. ALL SUPPORTS (INCLUDING ANGLES) SHALL BE POST CLIPPED AT 12" INTERVALS.

EXTRUDED ALUMINUM DETAILS AND VERTICAL SUPPORT ATTACHMENT
N.T.S.

LAST REVISED: 5/5/2009 G:\60049040-US50\CIVIL\PLANS\2A\CPI\SS-54.DGN

<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUMS / REVISIONS		<p>US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD</p>	CONTRACT	BRIDGE NO.	<p>SIGN DETAILS</p>	SS-54	
				T200911303			SHEET NO.	1088
				COUNTY	DESIGNED BY: DWB JW		TOTAL SHTS.	1256
				NEW CASTLE	CHECKED BY: JF SF			

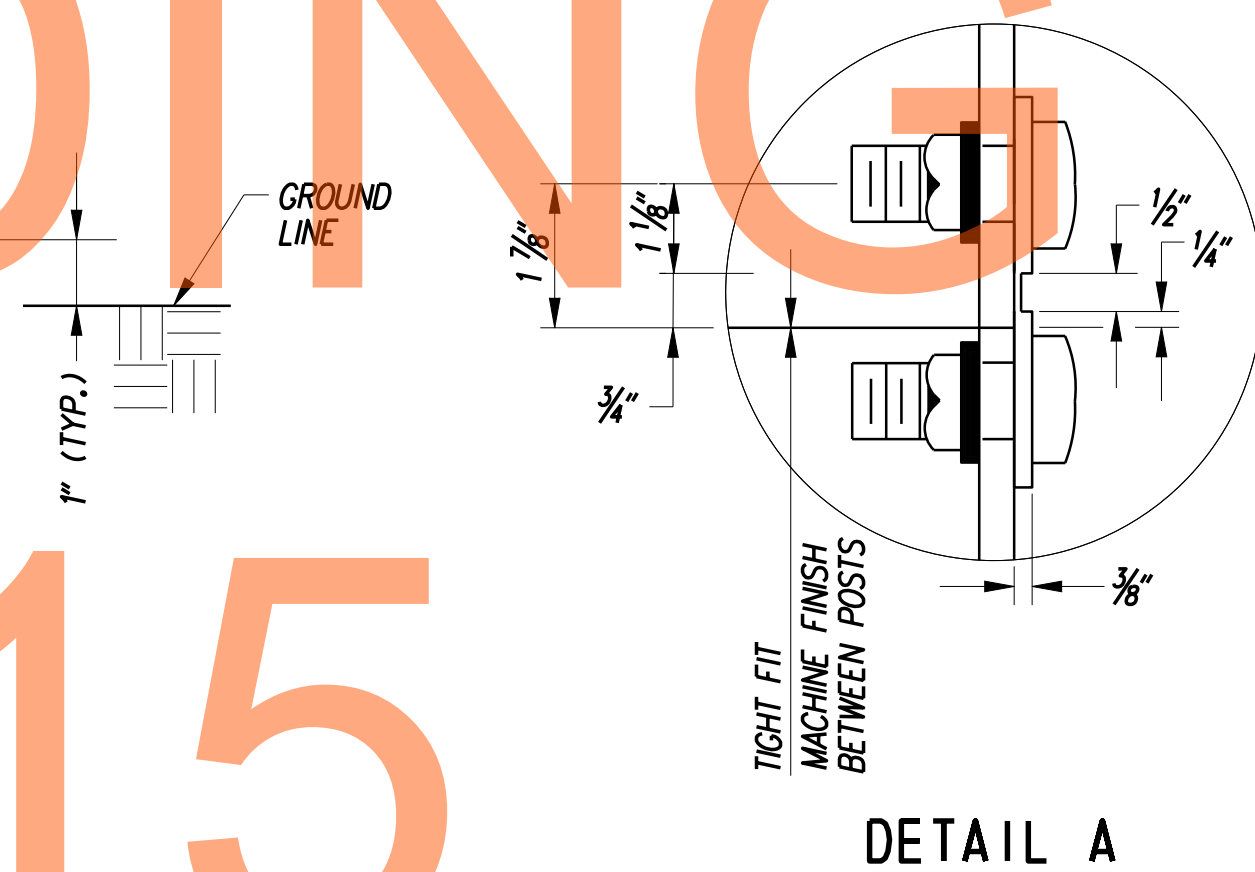


NOTES:

1. THE BRACKET NUMBER IS STAMPED ON THE BRACKET.
2. BOLT THE BRACKETS TO POST, THEN PLACE POST AND CONNECTED BRACKET TO BREAKAWAY COUPLING.
3. ALL BOLTS TO BE TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
4. REFER TO OTHER BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES FOR HINGE PLATE, SHIM AND BRACKET DETAILS.
5. REFER TO OTHER BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES FOR ANCHOR, BREAKAWAY COUPLING AND COUPLING BOLT DETAILS.
6. W6X9 SIGN POSTS SHALL NOT BE USED WITH BREAKAWAY BASE SUPPORT SYSTEM 'B'.
7. REFER TO OTHER BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES FOR ADJUSTMENTS TO CONCRETE FOUNDATIONS TO SUIT VARIOUS GROUND SLOPES.
8. DESIGNATION B-525 IS FOR 6" (LARGER THAN W6X9) AND 8" BEAM SIZES OR 5" AND 6" SQUARE TUBE SIGN POST.
9. DESIGNATION B-650 IS FOR 10", 12", 14", 16", 18" AND 21" BEAM SIZES OR 7" AND 8" SQUARE TUBE SIGN POST.
10. REFER TO OTHER BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES FOR MATERIAL PARTS.
11. HINGE PLATES SHALL NOT BE USED WITH SINGLE STEEL SUPPORT INSTALLATIONS FOR SIGNS.
12. A 7" MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN I-BEAMS UTILIZING BREAKAWAY SUPPORT SYSTEM 'B' FOR HIGHWAY SIGNS. THE 7" MINIMUM CLEAR DISTANCE SHALL BE MEASURED FROM INSIDE FLANGE EDGE TO INSIDE FLANGE EDGE, NOT BETWEEN CENTER OF I-BEAMS.

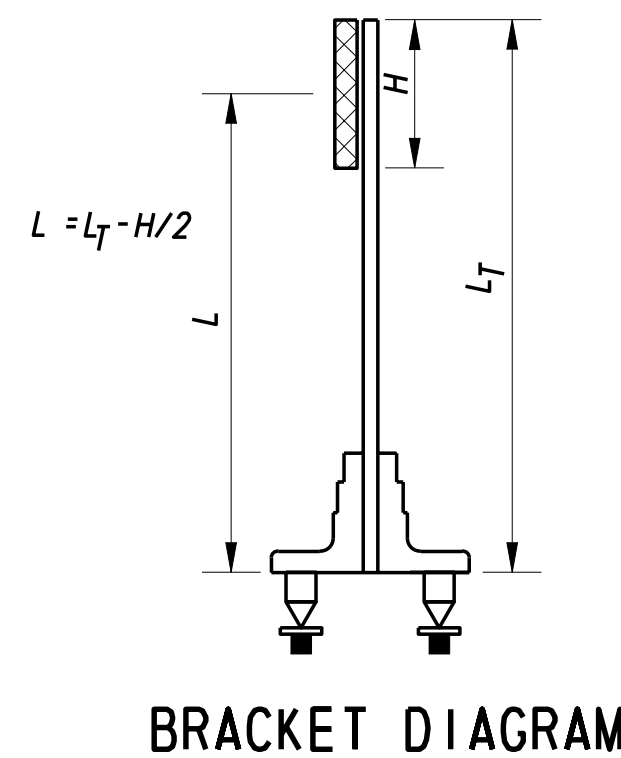
HINGE ASSEMBLY:

1. BUTT UPPER AND LOWER POSTS TOGETHER ON FLAT SURFACE.
2. PLACE HINGE PLATES (4a) ON OUTER FLANGES AND SNUGLY SECURE WITH 3/4" - UNC BOLTS (5a)(5b) AND (5c). DO NOT TIGHTEN.
3. MAKE SURE UPPER AND LOWER POSTS ARE IN ALIGNMENT. THEN TIGHTEN ALL NUTS (5c) TO PROOF LOAD - ONE HALF OF A TURN BEYOND SNUG.



STRUCTURAL SUPPORT NOTES:

1. INSTALLATION MUST MEET AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".
2. ALL HARDWARE SHALL BE HOT DIP GALVANIZED PER A153.
3. FASTENERS, EXCEPT FOR SPECIAL BOLT AND COUPLING, SHALL BE INSTALLED WITH LOCKWASHERS OR LOCKNUTS AND DO NOT HAVE SPECIFIC TORQUE REQUIREMENTS. FASTENERS SHOULD BE MADE AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES.
4. SQUARE AND LEVEL INDIVIDUAL COMPONENTS TO MINIMIZE NEED FOR SHIMMING.
5. NO MORE THAN TWO SHIMS SHALL BE USED UNDERNEATH ANY ONE COUPLING, NO MORE THAN THREE SHIMS SHALL BE USED UNDERNEATH ANY TWO COUPLINGS.
6. STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER A123 FABRICATION.
7. ALL BRACKETS SHALL BE PERMANENTLY LABELED WITH THE APPROPRIATE BRACKET TYPE AND BRACKET SECTION NUMBER.
8. SELECT CORRECT BRACKET NUMBER FROM BRACKET SELECTION TABLE USING THE PROPER 'L' VALUE AS SHOWN IN THE BRACKET DIAGRAM.



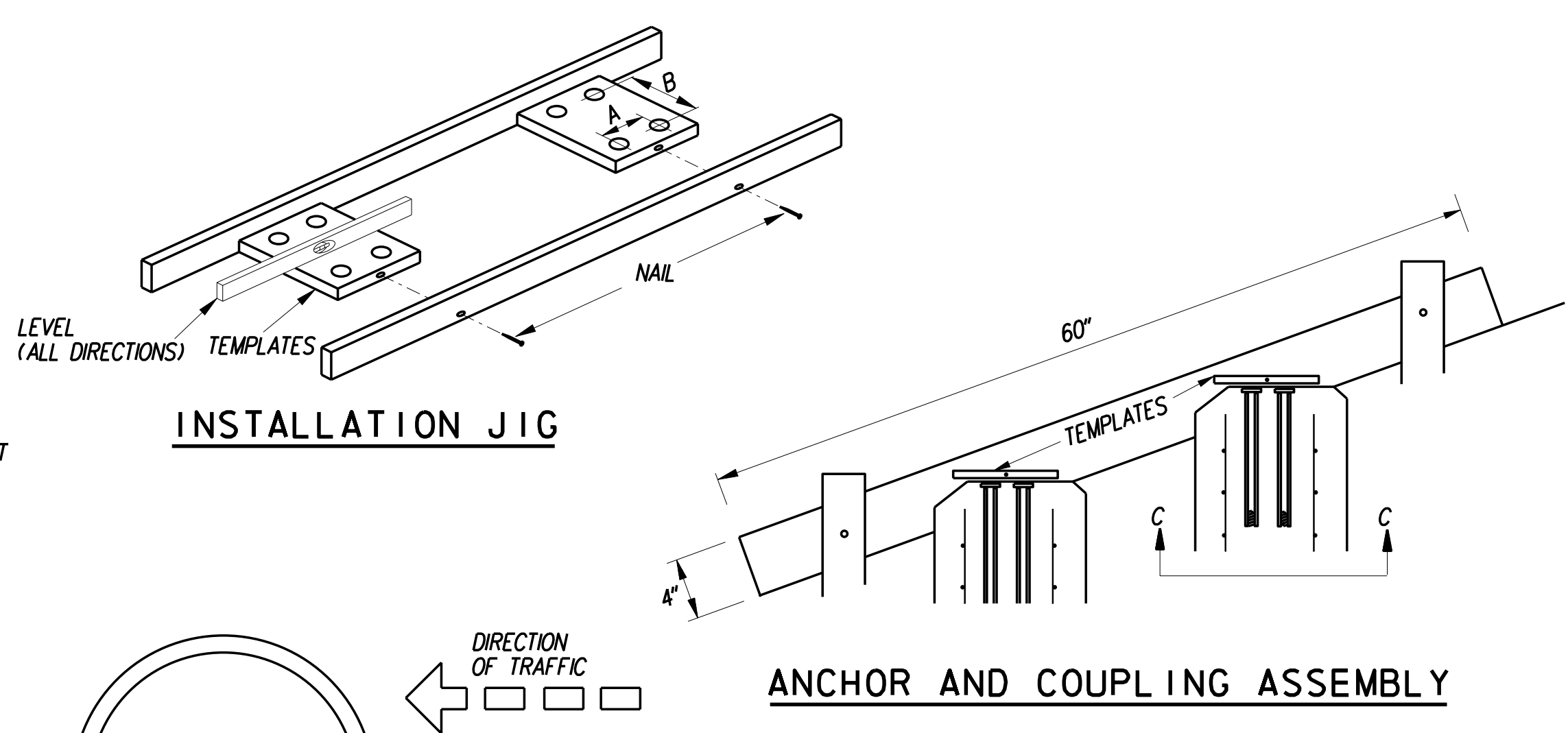
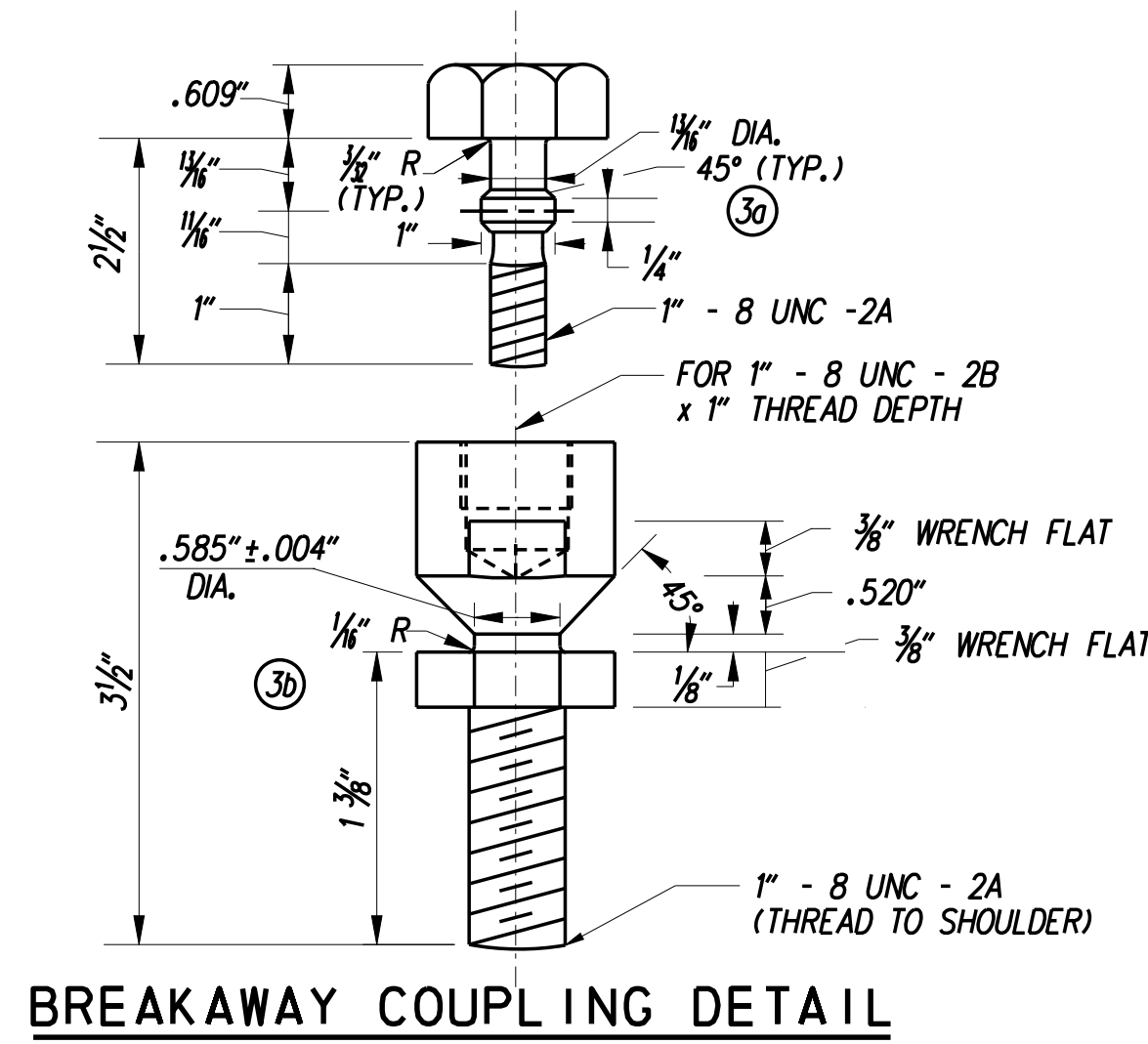
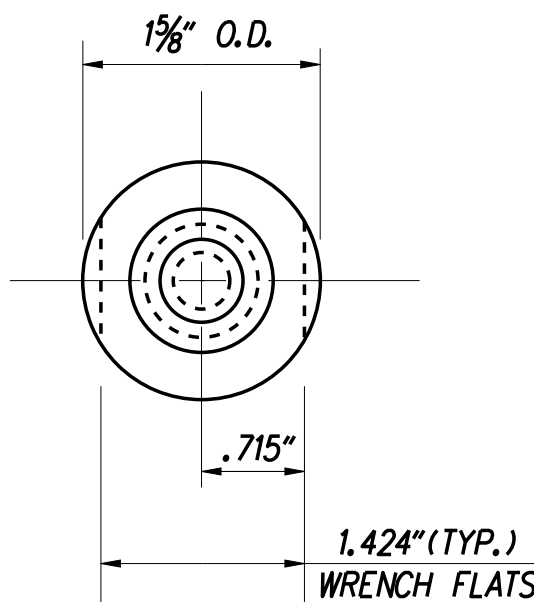
POST WIDTH (IN.)	BRACKET 1		BRACKET 2		BRACKET 3	
	MIN. L (FT.)	MAX. L (FT.)	MIN. L (FT.)	MAX. L (FT.)	MIN. L (FT.)	MAX. L (FT.)
6	12	29	9	12	0	9
8	14	29	10	14	0	10
10	16	29	11	16	0	11
12	18	29	13	18	0	13
14	19	29	14	19	0	14
16	21	29	15	21	0	15
18	23	29	16	23	0	16
21	25	29	18	25	0	18

LAST REVISED: 5/5/2009 G:\60049040-US301\CIVIL\PLANS\2A.CP.VSS-55.DGN

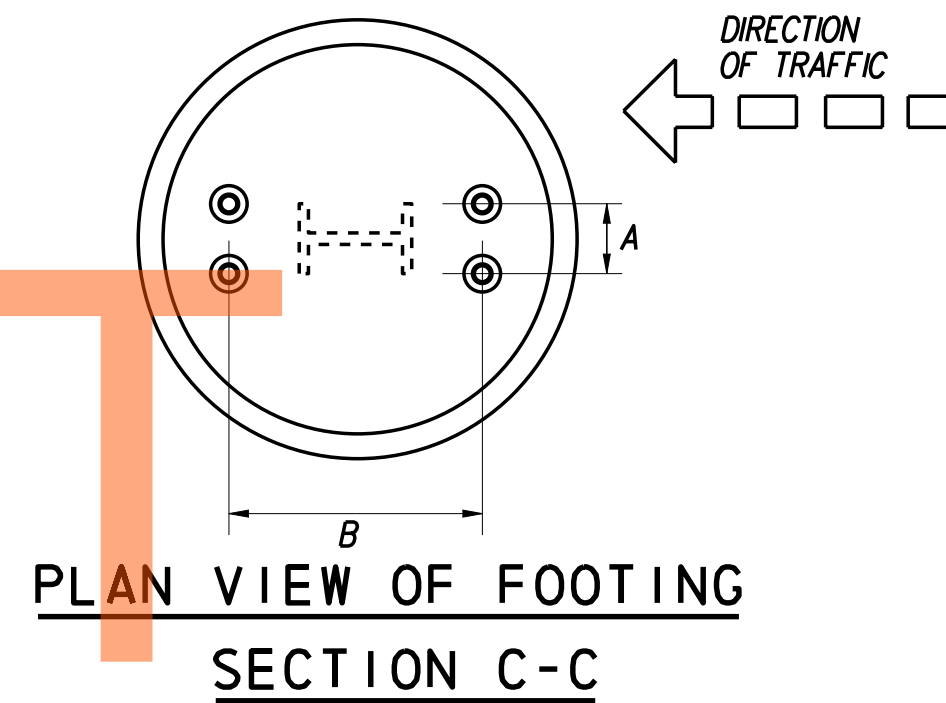
NOTES:

1. W6X9 SIGN POSTS SHALL NOT BE USED WITH BREAKAWAY BASE SUPPORT SYSTEM 'B'.
2. DESIGNATION B-650 IS FOR 10", 12", 14", 16", 18" AND 21" BEAM SIZES OR 7" AND 8" SQUARE TUBE SIGN POST.
3. DO NOT PLACE TORQUE WRENCH ACROSS NECK OF COUPLING.
4. HINGE PLATES SHALL NOT BE USED WITH SINGLE STEEL SUPPORT INSTALLATIONS FOR SIGNS.
5. REFER TO GALVANIZED STEEL BEAM SIGN POSTS FOUNDATION DETAILS STANDARD PLATE FOR ADJUSTMENTS TO CONCRETE FOUNDATIONS NECESSITATED BY VARIOUS GROUND SLOPES.
6. FIXED, NON-BREAKAWAY FOOTING SHALL NOT BREAK THE 4" X 60" PLANE.
7. ANCHOR AND COUPLING ASSEMBLY TO BE ASSEMBLED PER (OR IN ACCORDANCE WITH) MANUFACTURER'S RECOMMENDATIONS.
8. WRENCH SIZES REQUIRED: 3/8", 7/8", 1 1/8", 1 1/4", 1 1/2", 1 3/8"

COUPLING BOLT DETAIL

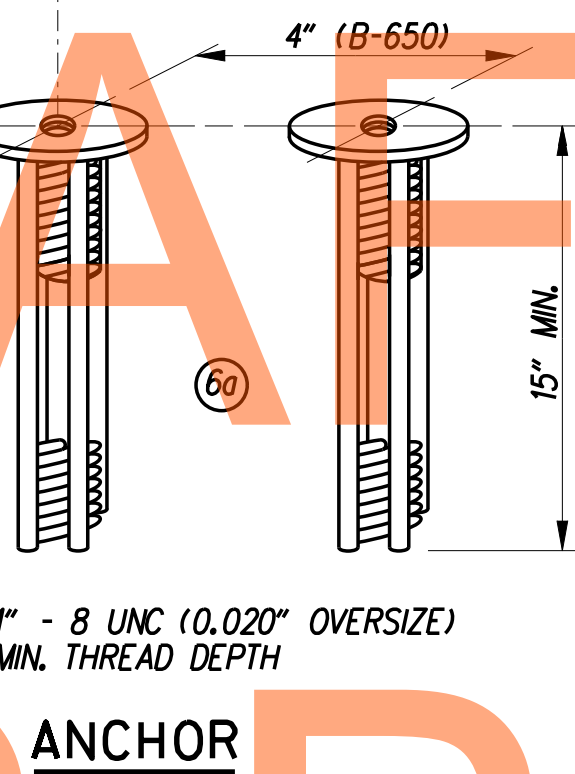


BREAKAWAY COUPLING DETAIL



ANCHOR AND COUPLING ASSEMBLY

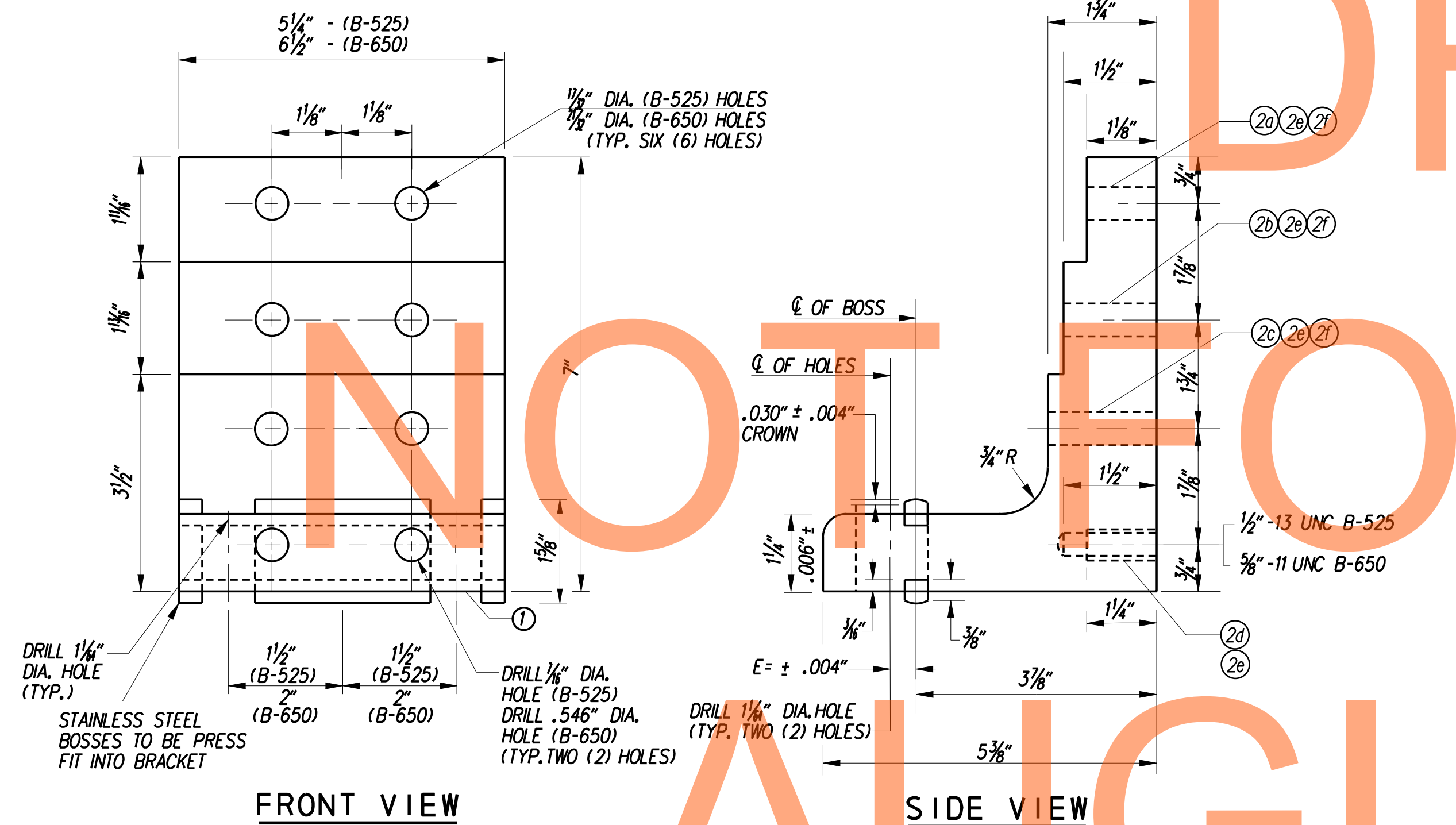
A = LATERAL SPACING FOR ANCHORS
 4" FOR B-650 USED ON 10", 12", 14", 16", 18" AND 21" WIDE FLANGE POSTS OR 7" AND 8" SQUARE TUBE SIGN POST.
 B = LONGITUDINAL SPACING FOR ANCHORS
 BRACKET 1 - DEPTH OF POST SECTION PLUS 7 1/8" INCHES
 BRACKET 2 - DEPTH OF POST SECTION PLUS 8 1/8" INCHES
 BRACKET 3 - DEPTH OF POST SECTION PLUS 8 1/8" INCHES



ANCHOR

BRACKET ASSEMBLY

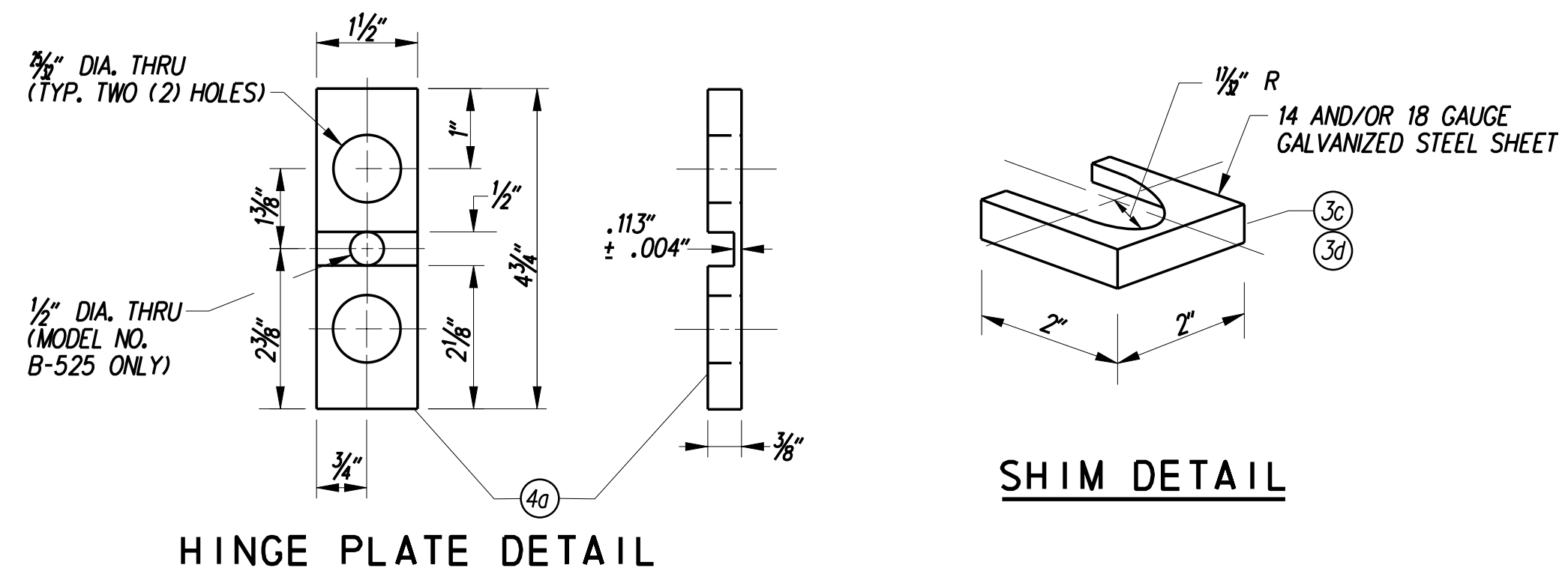
ATTACH BRACKETS TO POST WITH BOLTS PROVIDED. SQUARE AND TIGHTEN.
 (ITEMS 20, 2b, 2c, 2d, 2e AND 2f)



FRONT VIEW

SIDE VIEW

BRACKET DETAIL



HINGE PLATE DETAIL

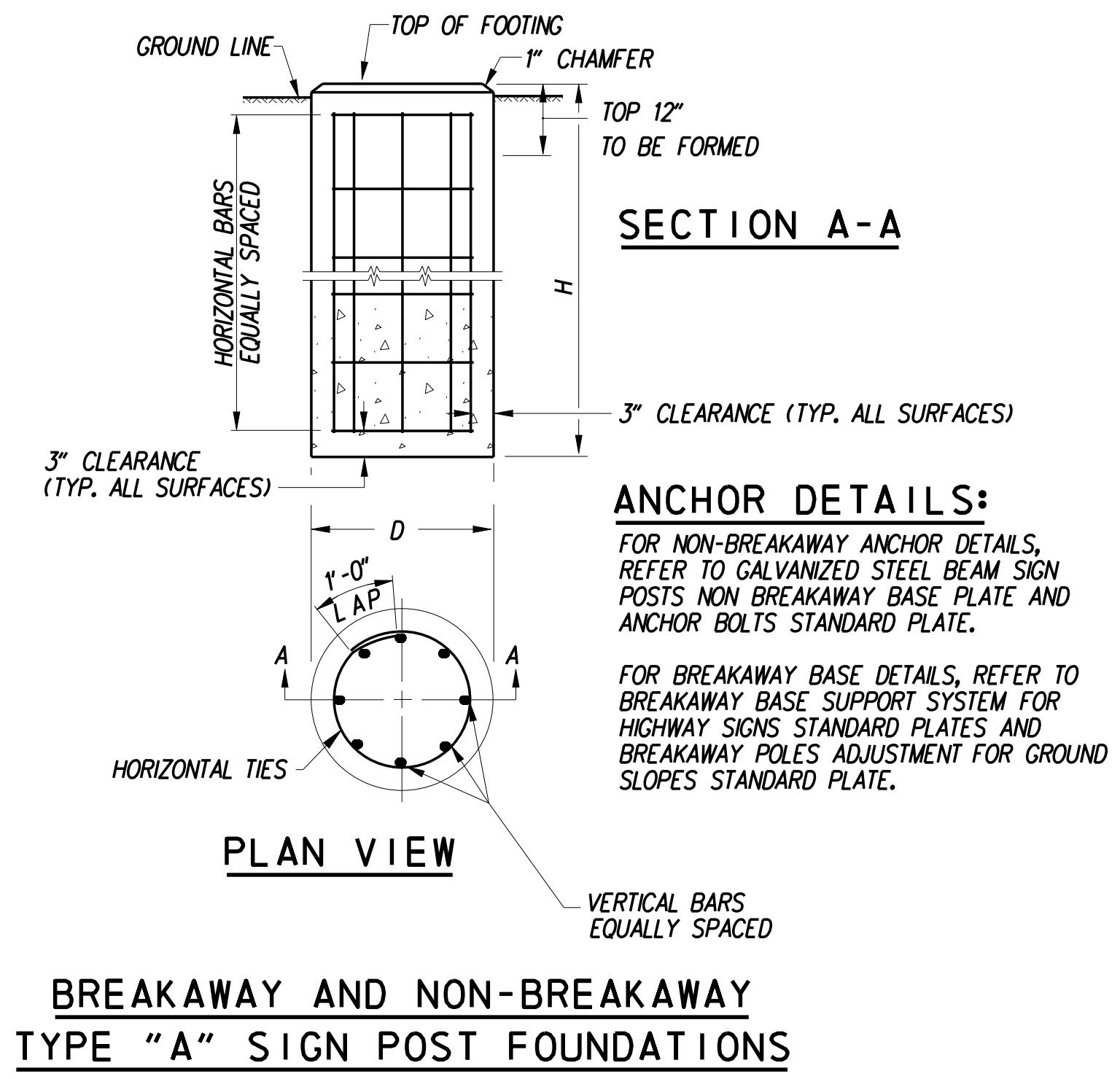
SHIM DETAIL

ITEM	DESCRIPTION	SIZE / SPECIFICATIONS	QTY. / POST	PART NO.
1	BRACKET, TYPE B650	6061-T6 ALUMINUM (SEE BRACKET SELECTION TABLE FOR NUMBER)	2	SBBK650-1A, -2A, -3A
2	BRACKET HARDWARE ASSEMBLY, TYPE B650, INCLUDES:		1	SB-B650LPH
20	BOLT	5/8" - 11 UNC x 2 3/4" HEX HD., ASTM A325, GALV. ASTM A153	4	
2b	BOLT	5/8" - 11 UNC x 3" HEX HD., ASTM A325, GALV. ASTM A153	4	
2c	BOLT	5/8" - 11 UNC x 3 1/4" HEX HD., ASTM A325, GALV. ASTM A153	4	
2d	CAP SCREW	5/8" - 11 UNC x 1 1/4" HEX HD., ASTM A307, GALV. ASTM A153	4	
2e	LOCKWASHER	5/8", ANSIB18-21-1, GALV. ASTM A153	16	
2f	NUT	5/8" - 11 UNC, HEAVY HEX, ASTM A563 GR. DH, GALV. ASTM A153	12	
3	COUPLING & SPECIAL BOLT ASSEMBLY, TYPE B, INCLUDES:		1	SB-CBLP
30	SPECIAL BOLT	1" - 8 UNC, ASTM A449, GALV. ASTM A153/B695	4	
3b	COUPLING	1" - 8 UNC, LP., AMS 6378D, GALV. ASTM A153, POLYESTER COAT	4	
3c	SHIM	1" HORSESHOE, 14 GAUGE, GALV. STEEL SHEET	2	
3d	SHIM	1" HORSESHOE, 18 GAUGE, GALV. STEEL SHEET	2	
4	HINGE ASSEMBLY, TYPE B650, INCLUDES:		1	SB-HB2
40	HINGE PLATE	TYPE B650, AISI 4130 STEEL, GALV. ASTM A123	4	
5	HINGE HARDWARE ASSEMBLY, TYPE B, INCLUDES:		1	SB-HHB
50	BOLT	HINGE, 3/4" - 10 UNC x 2 1/4" HEX HD., ASTM A325, GALV. ASTM A153	8	
5b	LOCKWASHER	3/4", ANSIB18-21-1, GALV. ASTM A153	8	
5c	NUT	3/4" - 10 UNC, HEAVY HEX, ASTM A563, GR, DH, GALV. ASTM A153	8	
6	ANCHOR ASSEMBLY, TYPE B, INCLUDES:		1	SBABPK
60	ANCHOR	1"-8 UNC, 304 STAINLESS STEEL FERRULE, AISI 1045 ROD, AISI 1008 COIL	4	

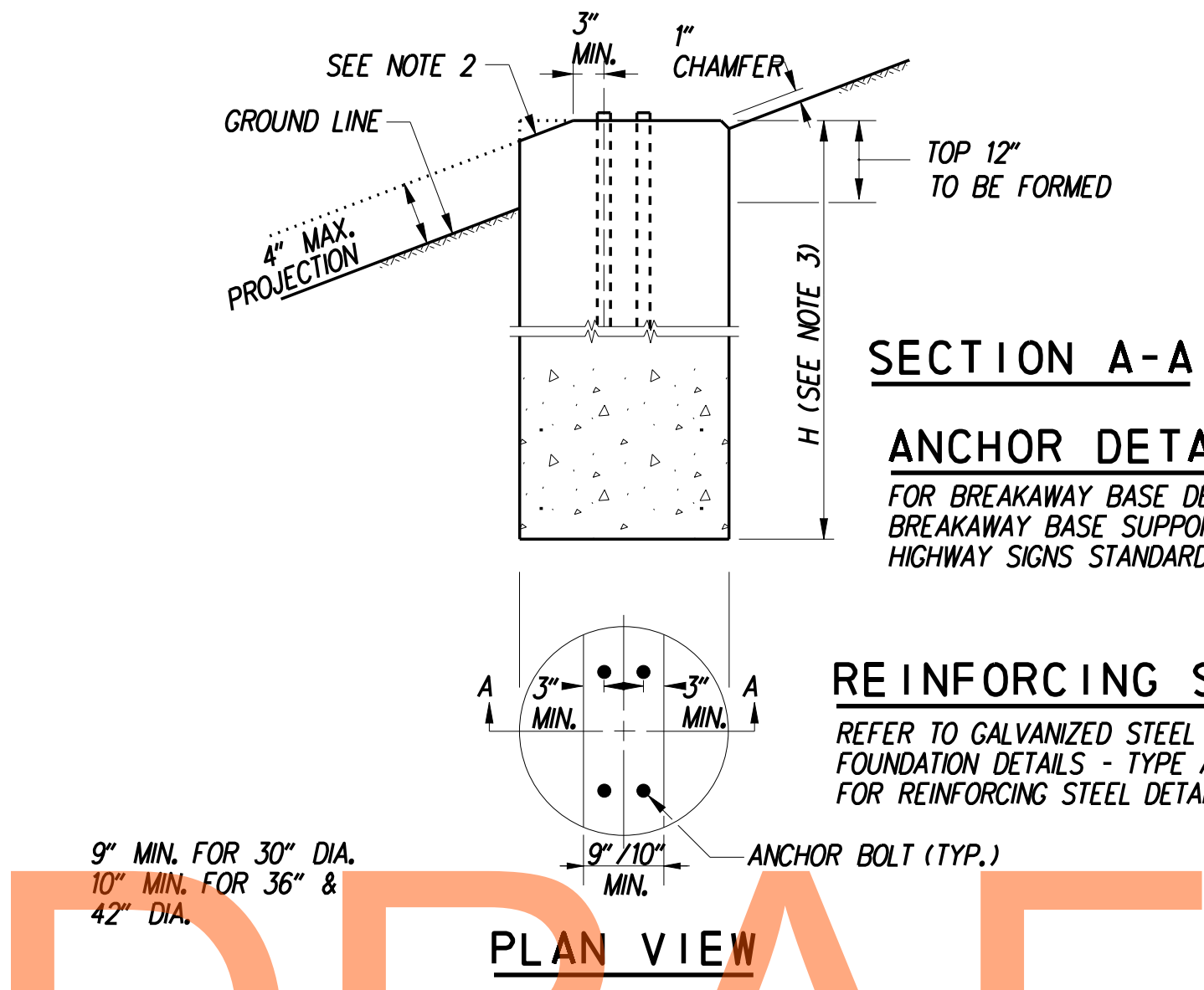
* WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES.

MATERIAL LIST FOR 10", 12", 14", 16", 18" AND 21" STEEL I-BEAM SIGN POSTS OR 7" AND 8" SQUARE TUBE SIGN POSTS (B-650)

LAST REVISED: 5/5/2009
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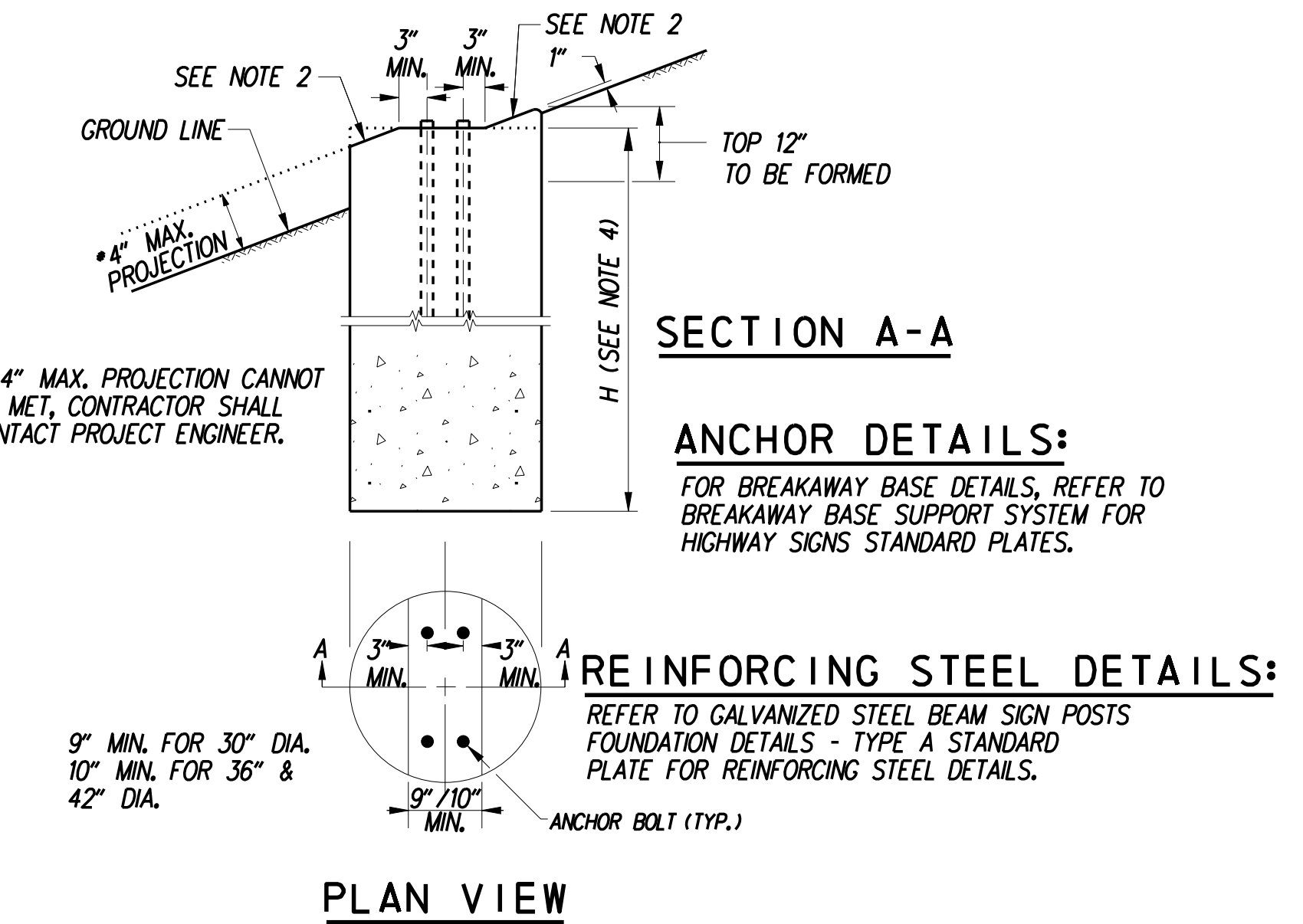
ANCHOR DETAILS:
 FOR NON-BREAKAWAY ANCHOR DETAILS, REFER TO GALVANIZED STEEL BEAM SIGN POSTS NON BREAKAWAY BASE PLATE AND ANCHOR BOLTS STANDARD PLATE.
 FOR BREAKAWAY BASE DETAILS, REFER TO BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES AND BREAKAWAY POLES ADJUSTMENT FOR GROUND SLOPES STANDARD PLATE.



ANCHOR DETAILS:
 FOR BREAKAWAY BASE DETAILS, REFER TO BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES.

REINFORCING STEEL DETAILS:
 REFER TO GALVANIZED STEEL BEAM SIGN POSTS FOUNDATION DETAILS - TYPE A STANDARD PLATE FOR REINFORCING STEEL DETAILS.

9" MIN. FOR 30" DIA.
 10" MIN. FOR 36" & 42" DIA.



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

ANCHOR DETAILS:
 FOR BREAKAWAY BASE DETAILS, REFER TO BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS STANDARD PLATES.

REINFORCING STEEL DETAILS:
 REFER TO GALVANIZED STEEL BEAM SIGN POSTS FOUNDATION DETAILS - TYPE A STANDARD PLATE FOR REINFORCING STEEL DETAILS.

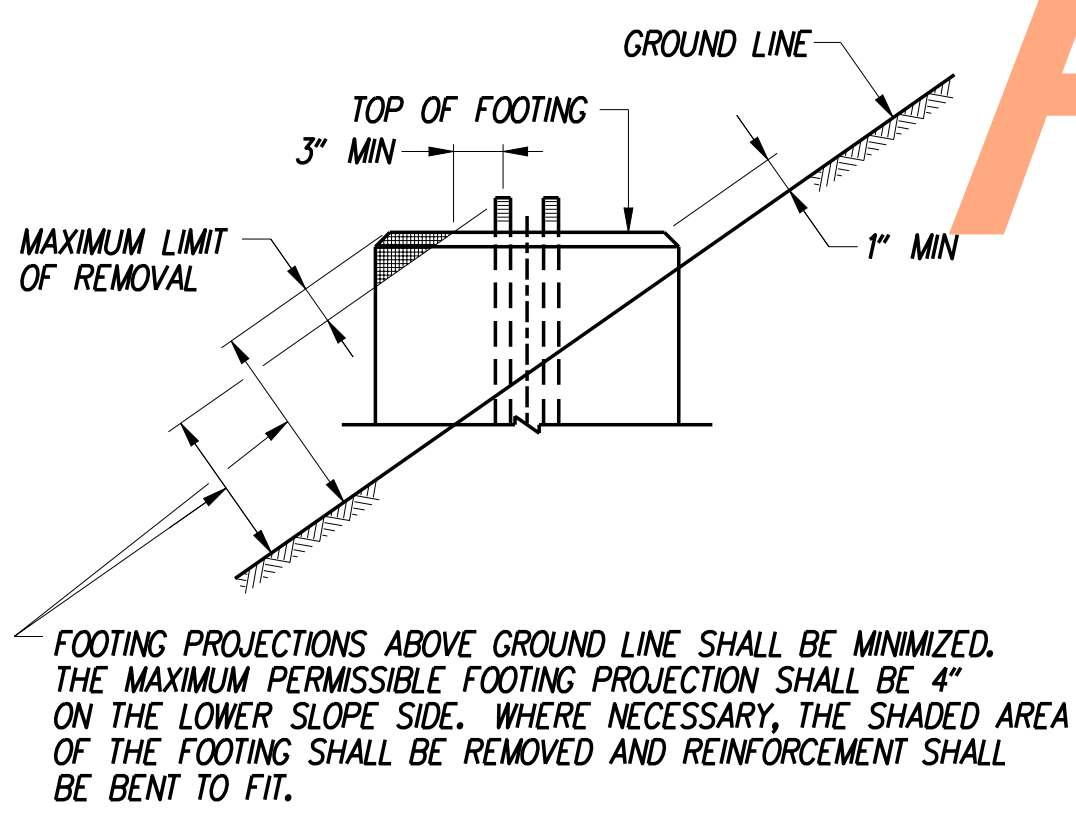
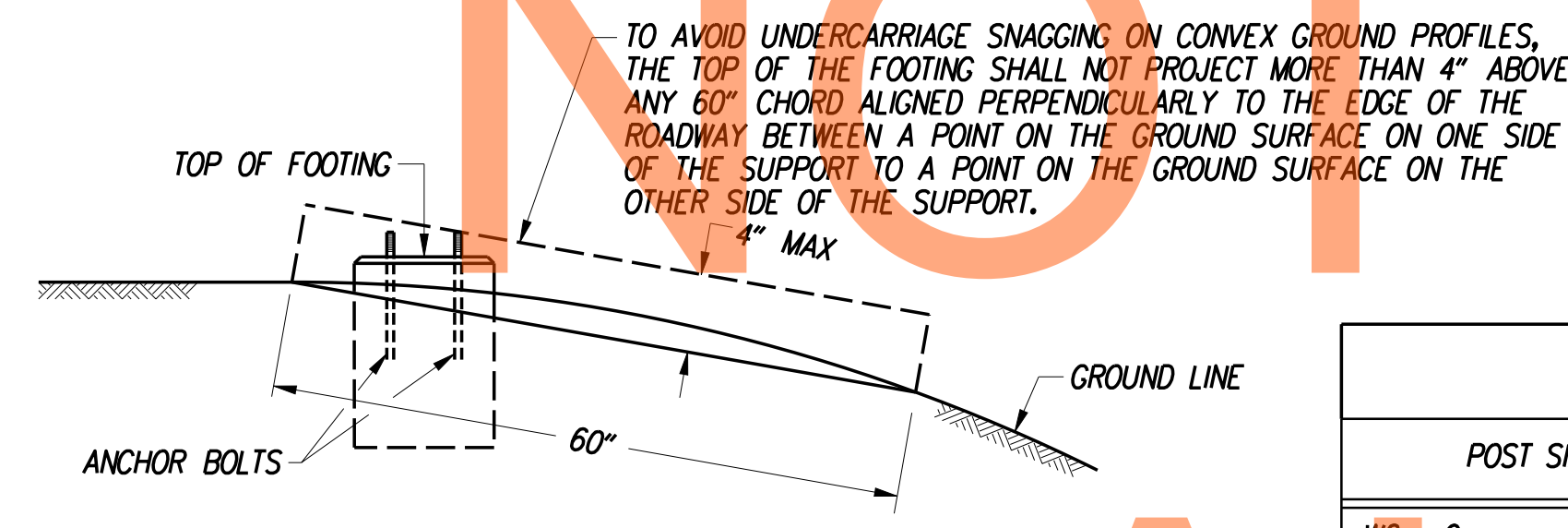
9" MIN. FOR 30" DIA.
 10" MIN. FOR 36" & 42" DIA.

BREAKAWAY TYPE "B" SIGN POST FOUNDATION

- NOTES:**
1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE FOUNDATION SELECTION MATRIX ON THIS SHEET.
 2. SLOPED PORTIONS OF THE FOUNDATION SHALL MATCH THE FINISHED GROUND SLOPE.
 3. REFER TO THE FOUNDATION DATA TABLE FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.

BREAKAWAY TYPE "C" SIGN POST FOUNDATION

- NOTES:**
1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE FOUNDATION SELECTION MATRIX ON THIS 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 14FT 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 THE FOUNDATION DATA TABLE FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.



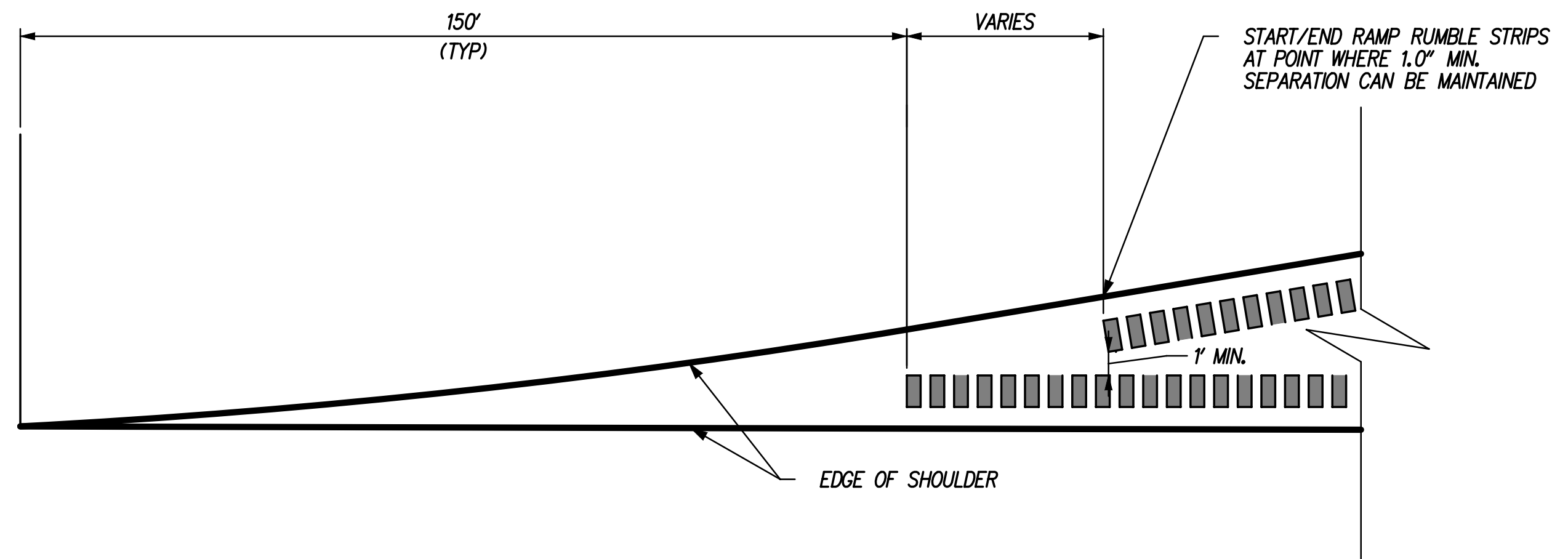
BREAKAWAY POLES ADJUSTMENT FOR GROUND SLOPES

POST SIZE	D	H	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE
					REQ'D C.Y.
W6 x 9	30"	6'-0"	EIGHT (8)- NO.7	SEVEN (7)- NO.4	1.1
W6 x 12 OR TS 5" x 5" x 1/4"	30"	6'-0"	EIGHT (8)- NO.7	SEVEN (7)- NO.4	1.1
W6 x 15 OR W6 x 16 OR TS 6" x 6" x 1/4"	30"	6'-6"	EIGHT (8)- NO.7	SEVEN (7)- NO.4	1.2
W8 x 18	30"	7'-6"	EIGHT (8)- NO.9	EIGHT (8)- NO.4	1.4
W8 x 21 OR TS 7" x 7" x 1/4"	30"	8'-0"	EIGHT (8)- NO.9	NINE (9)- NO.4	1.5
W10 x 22 OR TS 8" x 8" x 1/4"	36"	8'-6"	EIGHT (8)- NO.10	NINE (9)- NO.4	2.3
W10 x 26	36"	9'-0"	EIGHT (8)- NO.10	TEN (10)- NO.4	2.4
W12 x 26	36"	10'-0"	EIGHT (8)- NO.10	ELEVEN (11)- NO.4	2.7
W14 x 30	36"	11'-0"	EIGHT (8)- NO.10	TWELVE (12)- NO.4	2.9
W16 x 31	36"	12'-0"	EIGHT (8)- NO.10	THIRTEEN (13)- NO.4	3.2
W18 x 35 OR W18x40	36"	13'-0"	EIGHT (8)- NO.10	FOURTEEN (14)- NO.4	3.5
W21 x 44	42"	12'-0"	TWELVE (12)- NO.10	THIRTEEN (13)- NO.4	4.3

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	B	B	B	A	A	A
W6x12 or TS 5" x 5" x 1/4"	30"	*	C	C	C	C	B	B	B	A	A	A
W6x15, W6x16 or TS 6" x 6" x 1/4"	30"	*	C	C	C	C	B	B	B	A	A	A
W8x18	30"	*	C	C	C	C	B	B	B	A	A	A
W8x21 or TS 7" x 7" x 1/4"	30"	*	C	C	C	C	B	B	B	A	A	A
W10x22 or TS 8" x 8" x 1/4"	36"	*	*	C	C	C	C	B	B	B	A	A
W10x26	36"	*	*	C	C	C	C	B	B	B	A	A
W12x26	36"	*	*	C	C	C	C	B	B	B	A	A
W14x30	36"	*	*	C	C	C	C	B	B	B	A	A
W16x31	36"	*	*	C	C	C	C	B	B	B	A	A
W18x35 or W18x40	36"	*	*	C	C	C	C	B	B	B	A	A
W21x44	42"	*	*	C	C	C	C	C	B	B	B	A

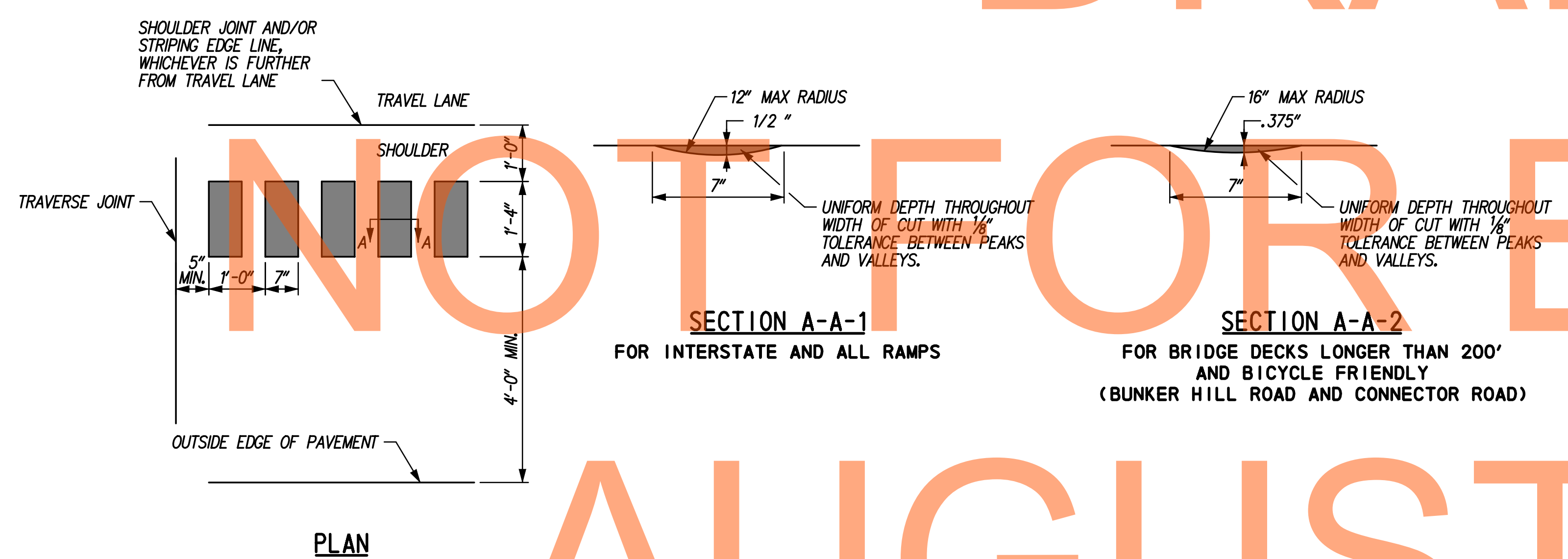
* IF A FOUNDATION EXCEEDS THE 4" AASHTO CRITERIA, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROPRIATE GUIDANCE.

LAST REVISED: 5/5/2009
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RUMBLE STRIPS AT GORE AREAS

DRAFT



PLAN

DETAIL 1
EDGELINE RUMBLE STRIPS

NOTES:

1. ALL WORK REQUIRED TO COMPLETE THE INSTALLATION OF EDGELINE RUMBLE STRIPS SHALL BE INCIDENTAL TO ITEM 760504 - RUMBLE STRIPS, HOT MIX AND/OR ITEM 760506 - RUMBLE STRIPS, CONCRETE.
2. EDGELINE RUMBLE STRIPS SHALL BE INSTALLED ALONG ALL INSIDE AND OUTSIDE SHOULDERS, AS PER THIS DETAIL.
3. PRIOR TO THE INSTALLATION OF EDGELINE RUMBLE STRIPS, THE CONTRACTOR SHALL SUBMIT A PLAN WITH THE TYPE AND LAYOUT OF PROPOSED RUMBLE STRIPS FOR APPROVAL BY THE ENGINEER.
4. ON CONCRETE SHOULDER PAVEMENTS, THE RUMBLE STRIPS SHALL BE INSTALLED A MINIMUM OF FIVE INCHES FROM THE TRANSVERSE JOINTS. THE CONTRACTOR SHALL LAYOUT THE RUMBLE STRIPS BETWEEN THE TRANSVERSE JOINTS PER THE DETAIL AND BALANCE THE AVAILABLE DISTANCE BETWEEN THE TRANSVERSE JOINTS AND THE FIRST AND LAST RUMBLE STRIPS. THE LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.
5. INSTALL RUMBLE STRIPS ON ALL SHOULDERS PER DETAILS, NOTING DIFFERENT CROSS SECTIONS FOR VARIOUS ROADWAYS.

ADDENDUMS / REVISIONS	

NOT TO SCALE

US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY: DB	JW
COUNTY	CHECKED BY: JZ	SF
NEW CASTLE		

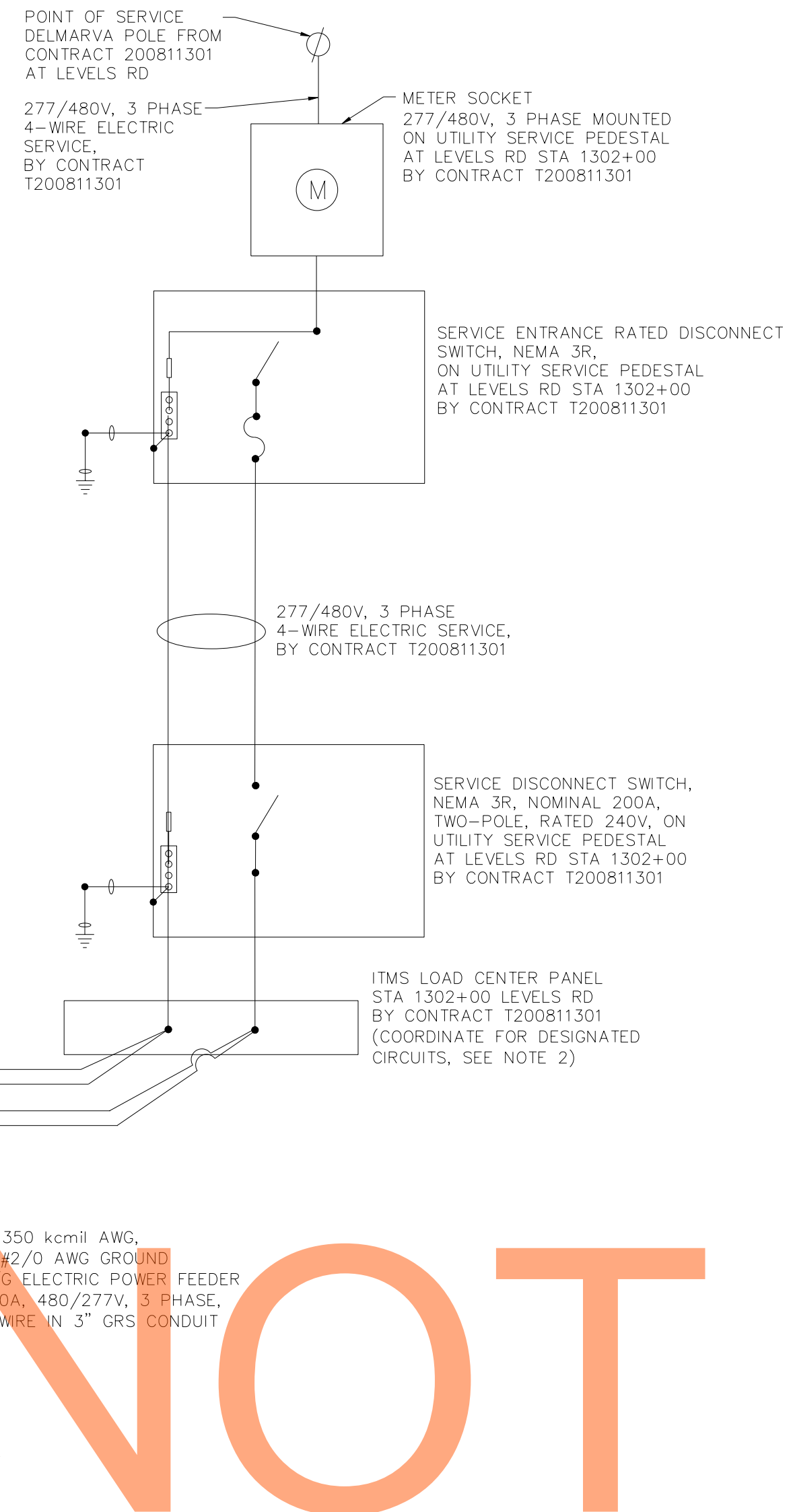
RUMBLE STRIPS

SIGNING, STRIPING &
CONDUIT DETAILS

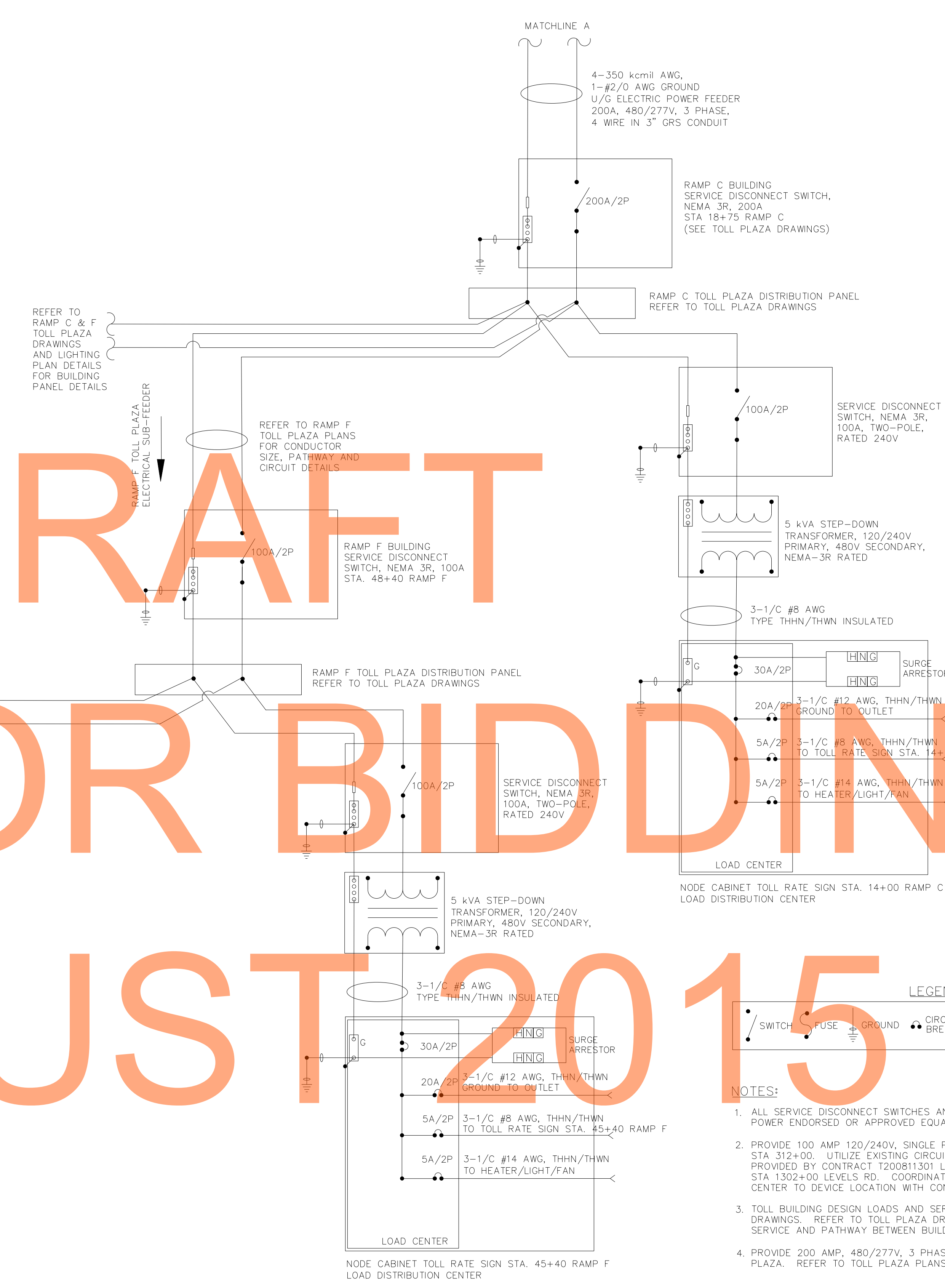
SS-58
SHEET NO.
1092
TOTAL SHTS.
1256

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LEVELS RD RTMS STA. 312+00 NB ELECTRICAL SERVICE DETAIL
NTS



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AUGUST 2015

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ADDENDUMS / REVISIONS	

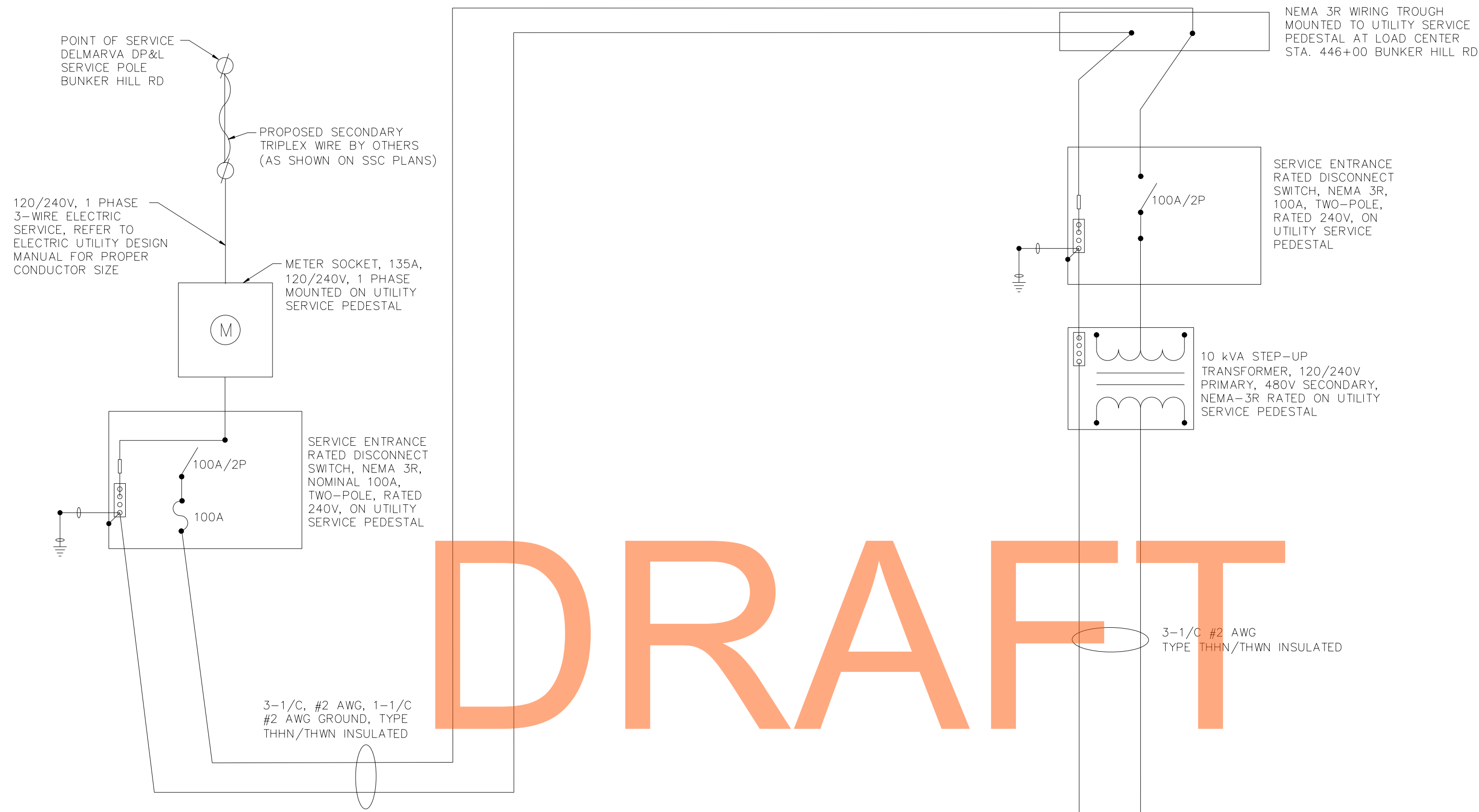
NOT TO SCALE

**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DB SF
NEW CASTLE		

SIGNING, STRIPING & CONDUIT DETAILS

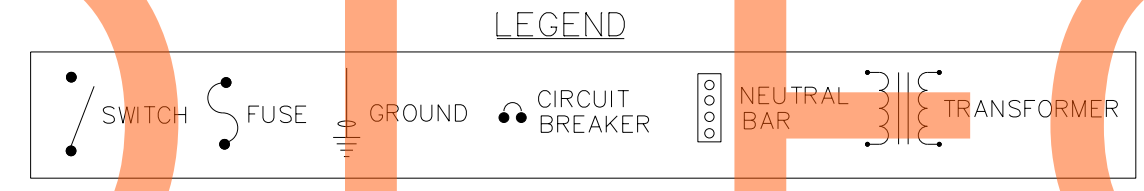
SS-59
SHEET NO.
1093
TOTAL SHTS.
1256



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NOT FOR BIDDING

AUGUST 2015



- NOTES:
1. PROPOSED 100 AMP 120/240V, SINGLE PHASE, 3 WIRE ELECTRICAL SERVICE TO BE INSTALLED FOR ITMS DEVICES SHOWN.
 2. ALL SERVICE DISCONNECT SWITCHES AND SERVICE METER SOCKETS TO BE DELMARVA POWER ENDORSED OR APPROVED EQUAL.
 3. EXACT LOCATION OF ELECTRICAL SERVICE TO BE COORDINATED WITH DELMARVA POWER PENDING UTILITY RELOCATION DESIGN. DELMARVA POWER HAS CONFIRMED AVAILABILITY OF ELECTRICAL SERVICE AS PER CONTRACT CONDUIT PLANS.
 4. PROVIDE 200 AMP, 480/277V, 3 PHASE, 4 WIRE ELECTRICAL SERVICE FOR RAMP TOLL PLAZA. REFER TO TOLL PLAZA PLANS FOR DETAILS AND ONE LINE DIAGRAM.

BUNKER HILL RD ELECTRICAL SERVICE DETAIL
NTS

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ADDENDUMS / REVISIONS

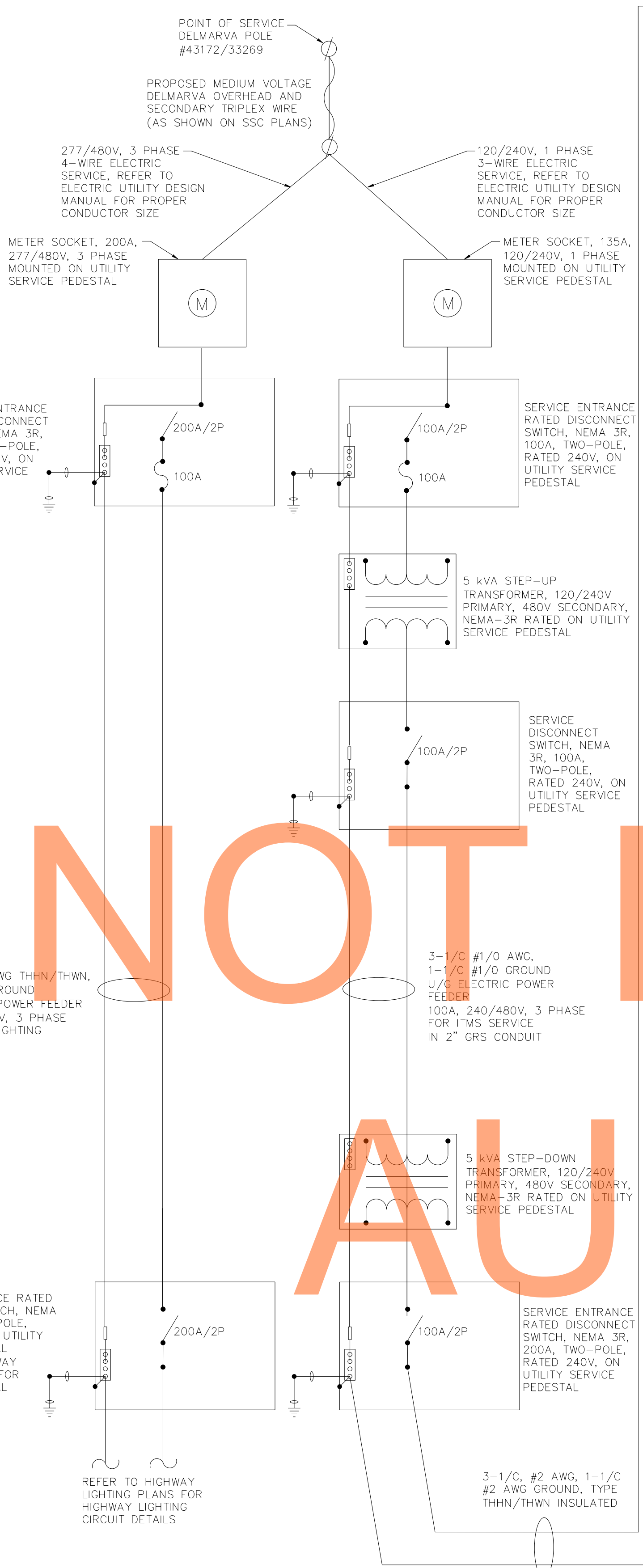
NOT TO SCALE

US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DB SF
NEW CASTLE		

SIGNING, STRIPING &
CONDUIT DETAILS

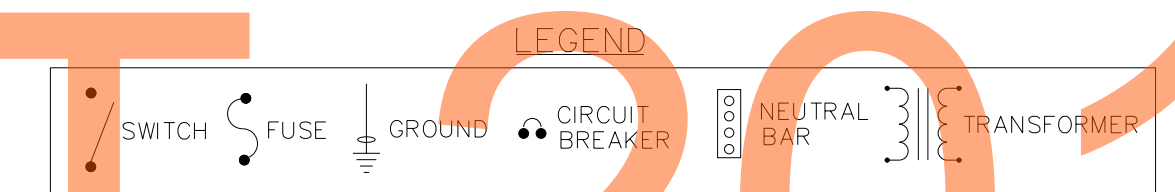
SS-60
SHEET NO.
1094
TOTAL SHTS.
1256



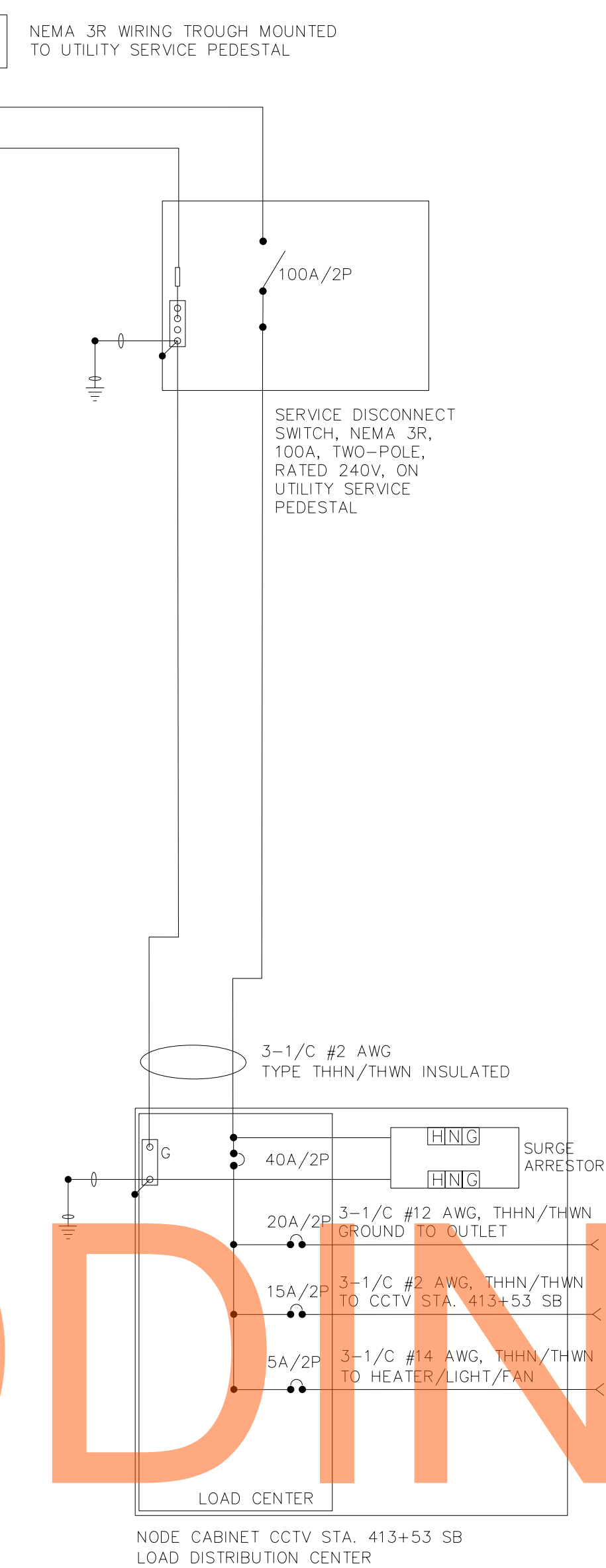
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AUGUST 2015



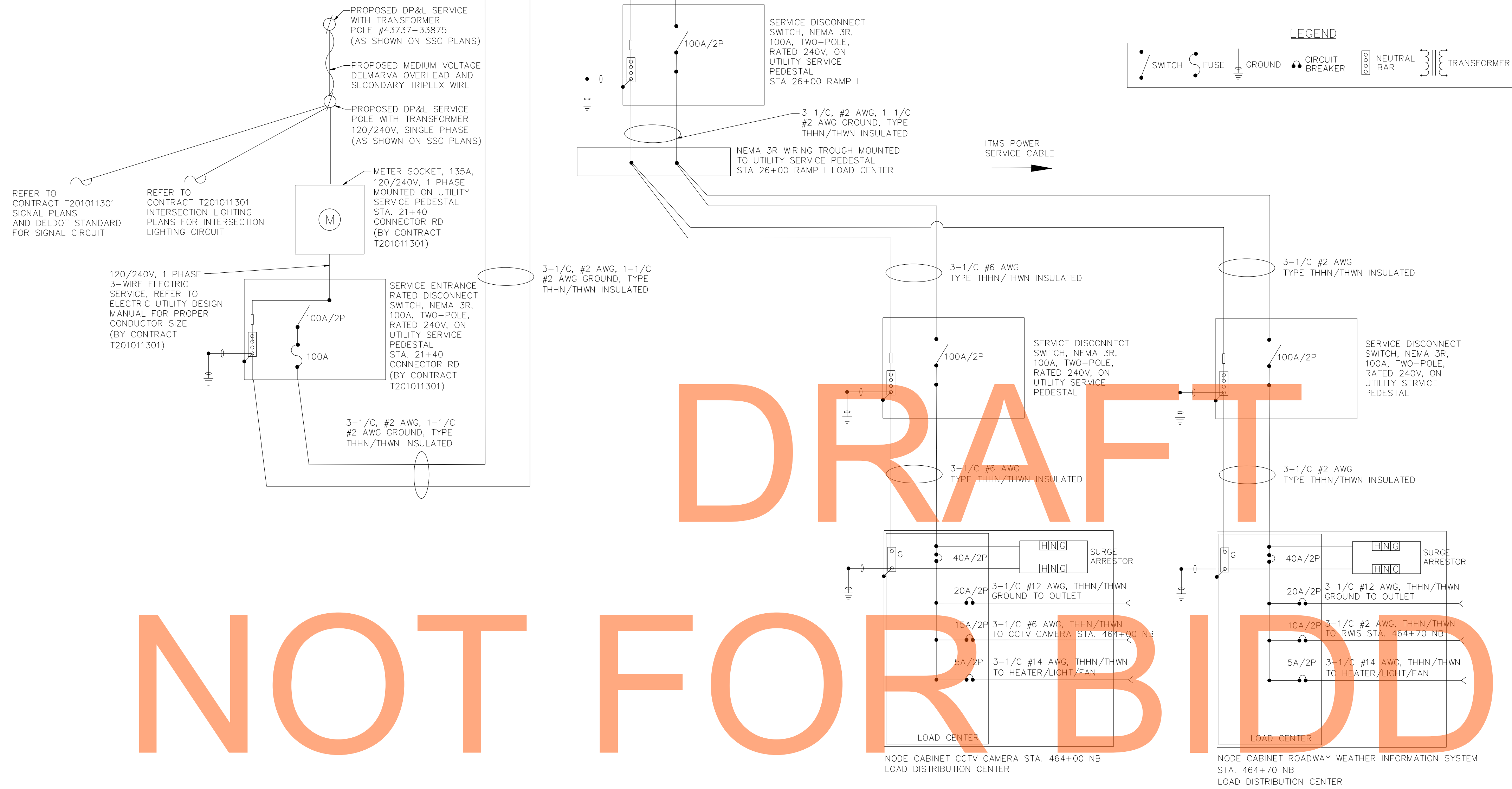
- NOTES:**
1. PROPOSED 100 AMP 120/240V, SINGLE PHASE, 3 WIRE ELECTRICAL SERVICE TO BE INSTALLED FOR ITMS DEVICES SHOWN.
 2. ALL SERVICE DISCONNECT SWITCHES AND SERVICE METER SOCKETS TO BE DELMARVA POWER ENDORSED OR APPROVED EQUAL.
 3. EXACT LOCATION OF ELECTRICAL SERVICE TO BE COORDINATED WITH DELMARVA POWER PENDING UTILITY RELOCATION DESIGN. DELMARVA POWER HAS CONFIRMED AVAILABILITY OF ELECTRICAL SERVICE AS PER CONTRACT CONDUIT PLANS.
 4. PROVIDE 200 AMP, 480/277V, 3 PHASE, 4 WIRE ELECTRICAL SERVICE FOR RAMP TOLL PLAZA. REFER TO TOLL PLAZA PLANS FOR DETAILS AND ONE LINE DIAGRAM.



CHOPTANK RD ELECTRICAL SERVICE DETAIL
NTS

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGNING, STRIPING & CONDUIT DETAILS	SHEET NO.
					T20091303		
				COUNTY	DESIGNED BY: JE JW	TOTAL SHTS.	1256
				NEW CASTLE	CHECKED BY: DB SF		



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NOT FOR BIDDING

CONNECTOR ROAD ITMS ELECTRICAL SERVICE DETAIL
NTS

AUGUST 2015

NOTES:

1. PROPOSED 100 AMP 120/240V, SINGLE PHASE, 3 WIRE ELECTRICAL SERVICE TO BE INSTALLED FOR ITMS DEVICES SHOWN.
2. ALL SERVICE DISCONNECT SWITCHES AND SERVICE METER SOCKETS TO BE DELMARVA POWER ENDORSED OR APPROVED EQUAL.
3. EXACT LOCATION OF ELECTRICAL SERVICE TO BE COORDINATED WITH DELMARVA POWER PENDING UTILITY RELOCATION DESIGN. DELMARVA POWER HAS CONFIRMED AVAILABILITY OF ELECTRICAL SERVICE AS PER CONTRACT CONDUIT PLANS.
4. A 2P (240V) CIRCUIT BREAKER SHALL BE PROVIDED FOR THE DEDICATED ROADWAY WEATHER INFORMATION SYSTEM (RWIS) CIRCUIT.
5. PROVIDE 200 AMP, 480/277V, 3 PHASE, 4 WIRE ELECTRICAL SERVICE FOR RAMP TOLL PLAZA. REFER TO TOLL PLAZA PLANS FOR DETAILS AND ONE LINE DIAGRAM.

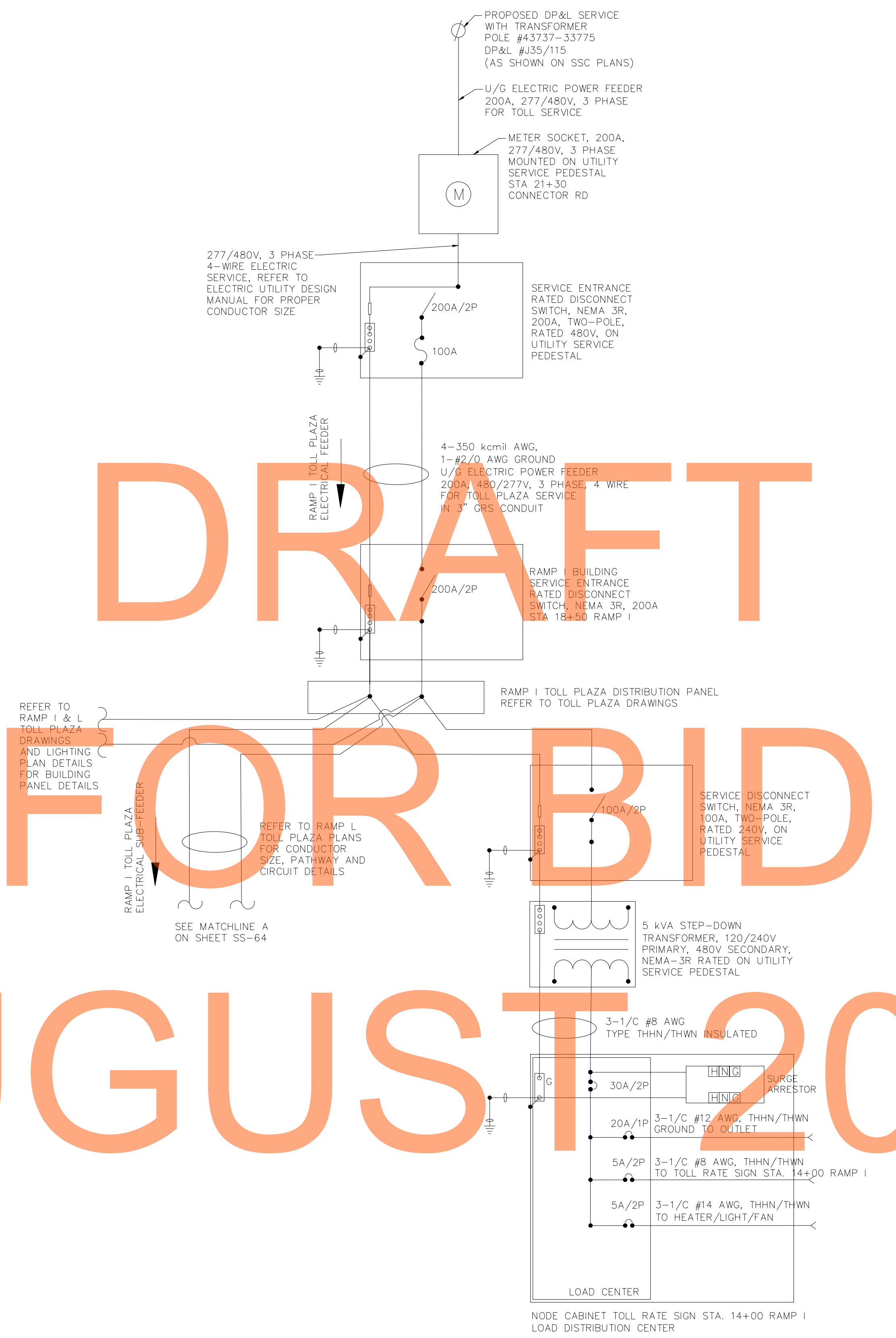
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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGNING, STRIPING & CONDUIT DETAILS	SS-62
	T20091303				SHEET NO.		1096
	COUNTY			DESIGNED BY: JE JW	TOTAL SHTS.		1256
	NEW CASTLE			CHECKED BY: DB SF			

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AUGUST 2015



CONNECTOR ROAD ELECTRICAL SERVICE DETAIL
NTS

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ADDENDUMS / REVISIONS	

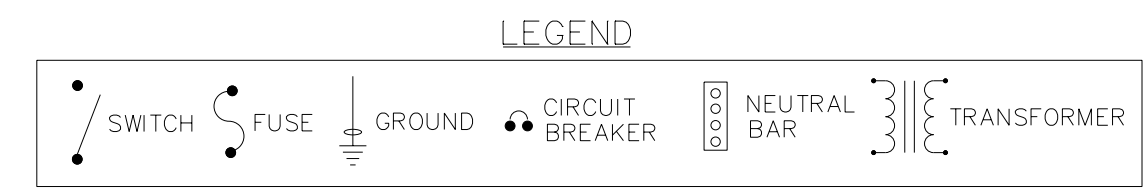
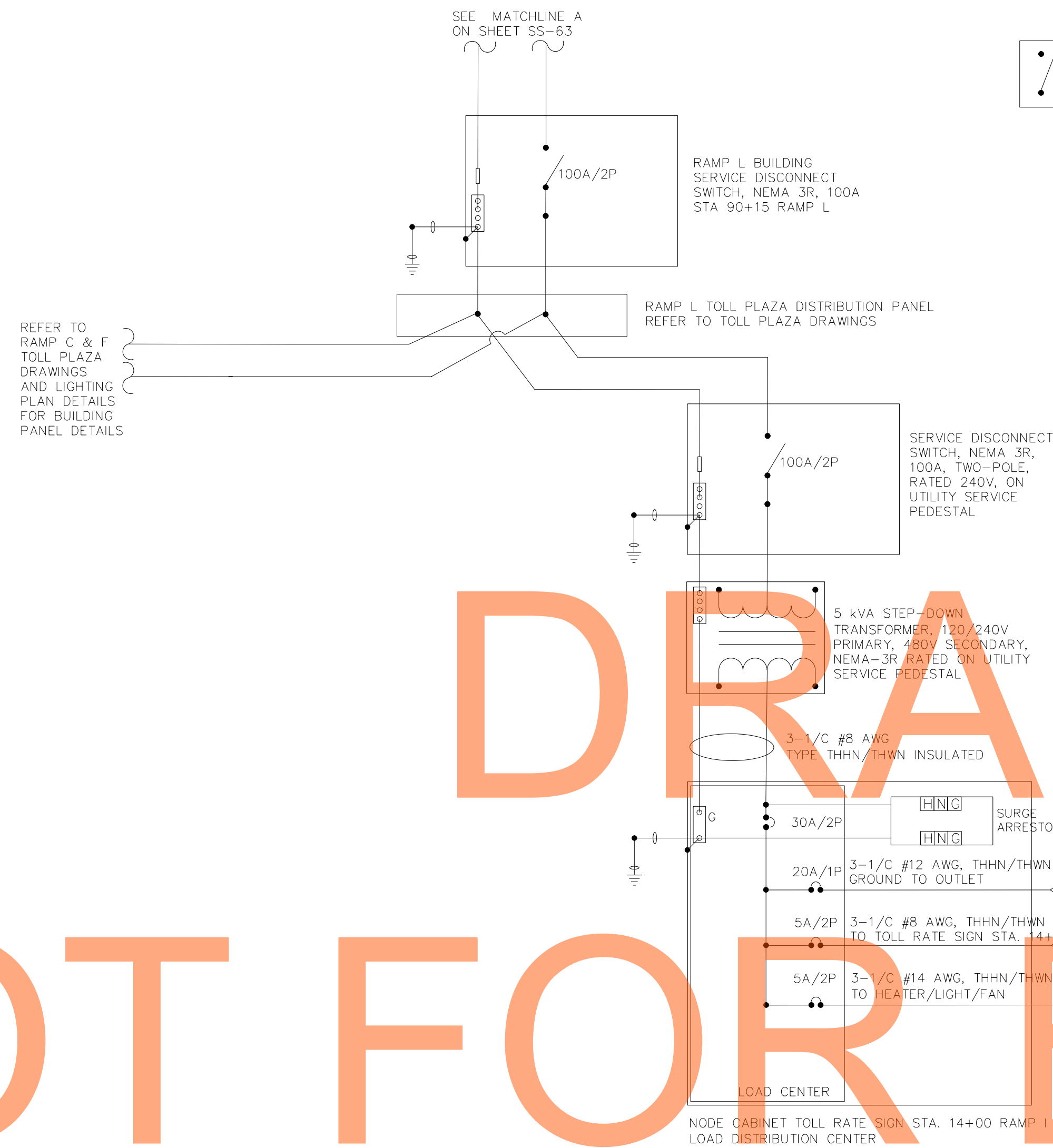
NOT TO SCALE

**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY: JE	JW
COUNTY	CHECKED BY: DB	SF
NEW CASTLE		

**SIGNING, STRIPING &
CONDUIT DETAILS**

SS-63
SHEET NO.
1097
TOTAL SHTS.
1256



- NOTES:**
1. ALL SERVICE DISCONNECT SWITCHES AND SERVICE METER SOCKETS TO BE DELMARVA POWER ENDORSED OR APPROVED EQUAL.
 2. TOLL BUILDING DESIGN LOADS AND SERVICE DETAILS ARE PROVIDED BY TOLL PLAZA DRAWINGS. REFER TO TOLL PLAZA DRAWINGS FOR ADDITIONAL DETAILS AND CONDUIT SERVICE AND PATHWAY BETWEEN BUILDINGS.
 3. PROVIDE 200 AMP, 480/277V, 3 PHASE, 4 WIRE ELECTRICAL SERVICE FOR RAMP TOLL PLAZA. REFER TO TOLL PLAZA PLANS FOR SERVICE DETAILS AND ONE LINE DIAGRAM.

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AUGUST 2015

CONNECTOR ROAD ELECTRICAL SERVICE DETAIL
NOTES

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ADDENDUMS / REVISIONS

NOT TO SCALE

US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JE JW
COUNTY	CHECKED BY:	DB SF
NEW CASTLE		

SIGNING, STRIPING &
CONDUIT DETAILS

SS-64
SHEET NO.
1098
TOTAL SHTS.
1256

GENERAL NOTES:

1. PROVIDE MATERIALS AND WORKMANSHIP IN THE ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, ANSI/AASHTO/AWS D1.5-2002 BRIDGE WELDING CODE AND CONTRACT SPECIAL PROVISIONS. USE ANSI/AWS/D1.1-2002 FOR WELDING NOT COVERED IN ANSI/AASHTO/AWS/D1.5-2002. WELDING OF STEEL SHALL BE AS SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS.
2. DESIGN SPECIFICATIONS: AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 2009, 5TH EDITION.
3. ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.
4. USE CLASS A CEMENT CONCRETE $f'c = 4500$ PSI IN PEDESTALS AND FOOTINGS.
5. CHAMFER EXPOSED CONCRETE EDGES $3/4" \times 3/4"$ EXCEPT AS NOTED.
6. PROVIDE A MINIMUM OF 2" CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.
7. PROVIDE GRADE 60 REINFORCEMENT BARS THAT MEET THE REQUIREMENTS OF ASTM A615/A 615-96A FOR CONCRETE REINFORCEMENT. DO NOT WELD REINFORCEMENT BARS.
8. PROVIDE MINIMUM LAP AND EMBEDMENT LENGTH IN ACCORDANCE WITH AASHTO REQUIREMENTS.
9. RAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS EXCEPT AS NOTED.
10. SIGN STRUCTURES DESIGNED TO ACCOMMODATE AN ADDITIONAL 15% OF PROPOSED SIGN AREA.
11. THE DESIGN WIND VELOCITY IS 100 MPH.
12. THE DESIGN ICE LOAD IS 3 PSF.
13. ALL STRUCTURAL DETAILS HAVE BEEN DESIGNED FOR FATIGUE RESISTANCE UNDER FATIGUE CATEGORY 1 ACCORDING TO AASHTO'S STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. THE FOLLOWING LOADS WERE USED:
 - GALLOPING (21 PSF)-CANTILEVER SIGNS ONLY
 - NATURAL WIND GUST ($5.2 * Cd$ PSF)
 - TRUCK INDUCED GUSTS ($18.8 * Cd$ PSF)
14. PROVIDE STRUCTURAL STEEL CONFORMING TO THE FOLLOWING:
 - ASTM A 53, TYPE S, GRADE B, $Fy = 35$ KSI FOR PIPE COLUMNS, CHORDS, AND STRUTS.
 - AASHTO M 270M, GRADE 36 (ASTM A709M, GRADE 36) FOR SHAPES, AND PLATES. ALL OF THIS SPECIFICATION STEEL SHALL MEET SUPPLEMENTARY REQUIREMENTS FOR NOTCH TOUGHNESS (CHARPY TESTING, ZONE #2 NON-FRACTURE CRITICAL).
15. PROVIDE ANCHOR BOLT HOLES $1/4"$ LARGER THAN BOLT DIAMETER. PROVIDE BOLT HOLES $1/8"$ LARGER THAN BOLT DIAMETER.
16. USE TEMPLATES TO ACCURATELY SET BASE PLATE ANCHOR BOLTS TO CORRECT ELEVATION AND ALIGNMENT. SECURELY BRACE ANCHOR BOLTS AGAINST DISPLACEMENT BEFORE PEDESTAL CONCRETE IS PLACED AND DURING CONCRETE CURING.
17. GROUT PADS SHALL NOT BE USED. BASE PLATES AND EXPOSED ANCHOR BOLTS SHALL BE PLACED SO RUN-OFF AND/OR RAIN WATER CANNOT RUN ONTO OR POND AT THIS AREA.
18. MODIFICATIONS TO ANY TRUSS-CHORD GUSSET PLATE CONNECTION IN ORDER TO ACCOMMODATE SIGN PANEL SUPPORTS SHALL NOT BE PERMITTED.
19. PROVIDE DOUBLE NUTS AND WASHERS FOR EACH ANCHOR BOLT.
20. ALL STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL CONFORM TO ASTM A123 OR ASTM A153, ASTM A143, AND ASTM A385.
21. GALVANIZED HIGH STRENGTH BOLTS SHALL CONFORM TO AASHTO M164/ASTM A325.
22. 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.

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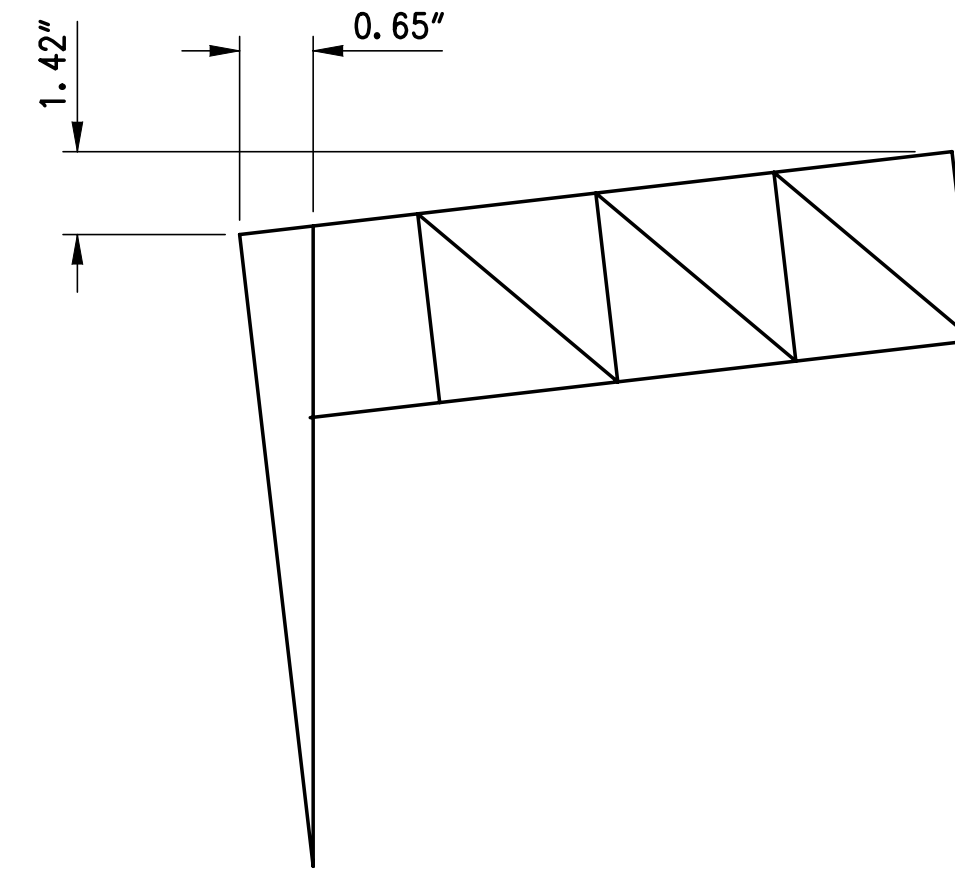
AUGUST 2015

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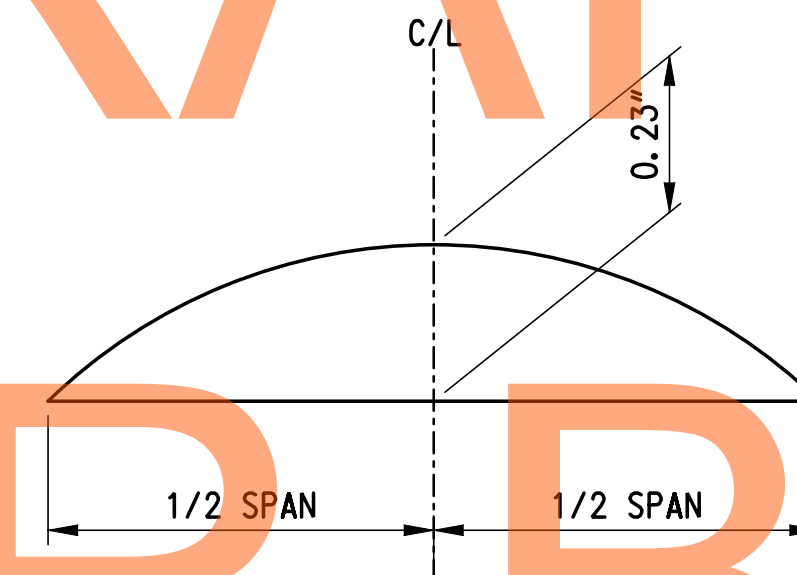
 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN STRUCTURES GENERAL NOTES	SHEET NO.	
				T20091303			DESIGNED BY: MJM	1099
				COUNTY			CHECKED BY: RMG	TOTAL SHTS.
				NEW CASTLE				1256

GENERAL NOTES (CON'T):

23. GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM F1554 GRADE 55.
24. INSTALL ACCESS HOLES ON POLE OPPOSITE DIRECTION OF TRAFFIC.
25. DIMENSIONS ARE BASED ON A NORMAL TEMPERATURE OF 68°F
26. VERIFY ALL ELEVATIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIALS.
27. FOOTINGS WILL BE POURED AGAINST FILL COMPACTED TO 98% RELATIVE MAXIMUM DENSITY OR ON UNDISTURBED MATERIAL.
28. DIVERT ALL SURFACE RUNOFF AWAY FROM EXCAVATIONS. PERFORM ALL EXCAVATIONS IN ACCORDANCE WITH OSHA REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT DEWATERING SO THAT EXCAVATIONS ARE DRY ENOUGH FOR INSPECTION AND CONSTRUCTION. DESIGN AND PROVIDE TEMPORARY SUPPORTS AS REQUIRED TO RETAIN EXCAVATED EARTH SURFACES IN ACCORDANCE WITH DELDOT SPECIFICATION SECTION 207.
29. COORDINATE, LOCATE, AND CONDUCT ALL WORK RELATED TO PUBLIC AND PRIVATE UTILITIES IN ACCORDANCE WITH DELDOT UTILITIES MANUAL. VERIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING WORK. CONDUCT OPERATIONS IN A MANNER WHICH ENSURES THAT THE UTILITIES WILL NOT BE DISTURBED OR ENDANGERED, AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO UTILITIES DURING CONSTRUCTION. THE DEPARTMENT DOES NOT ASSUME RESPONSIBILITY FOR REIMBURSEMENT, PARTICIPATION IN DESIGN AND/OR REVISIONS, OR LIABILITY FOR ACCURACY OF TYPE, SIZE, AND LOCATION OF ANY UTILITY.
30. PIPE, COLUMNS, AND CHORDS ARE DENOTED BY DIAMETER AND THICKNESS.
31. DYNAMIC MESSAGE SIGN STRUCTURAL DESIGN FOR 4 POST 4 CHORD GANTRY IS BASED ON A SIGN SURFACE AREA OF 33'-1" BY 8'-0" AND A DEPTH OF 3'-1 1/2". DESIGN SIGN WEIGHT IS 3200 LBS.
32. PROVIDE CONNECTIONS AT SUPPORTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SHOP DRAWINGS FOR STRUCTURAL STEEL SHALL BE SUBMITTED FOR APPROVAL.
33. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN, PROTECT, AND REPAIR COMPLETED WORK AND ADJACENT AREAS OF THE PAVEMENT OR THE SHOULDER FOR ANY DAMAGE RESULTING FROM CONSTRUCTION VEHICLES, EQUIPMENT, OR FROM NEGLIGENCE.
34. VERIFY THE LOCATION OF ALL CONDUIT ROUGH-INS WITH THE EQUIPMENT MANUFACTURER AND COMMISSION'S REPRESENTATIVE, PRIOR TO PLACEMENT OF CONCRETE FOUNDATIONS.
35. COORDINATE INSTALLATION WITH THE DMS VENDOR. ENSURE THAT THE DMS VENDOR REPRESENTATIVES WITNESS THE INSTALLATIONS.
36. PRIOR TO FABRICATION, CONTRACTOR MUST VERIFY CLEARANCE AND ADJUST THE PROPOSED MOUNTING HEIGHT ACCORDINGLY AND AS DIRECTED BY DELDOT.
37. CANTILEVER STRUCTURES SHALL INCLUDE A HORIZONTAL CAMBER OF 1.42" AND A VERTICAL CAMBER OF 0.65".
38. OVERHEAD DMS GANTRY SIGN SHALL INCLUDE A CAMBER OF 0.23".
39. TRUSS CAMBER FOR CANTILEVER STRUCTURES SHALL BE INCORPORATED DURING FABRICATION. THE CONTRACTOR SHALL ACHIEVE HORIZONTAL CAMBER BY TILTING THE POLE AND ADJUSTING LEVELING NUTS DURING INSTALLATION.



**CANTILEVER SIGNS
CAMBER DIAGRAM**



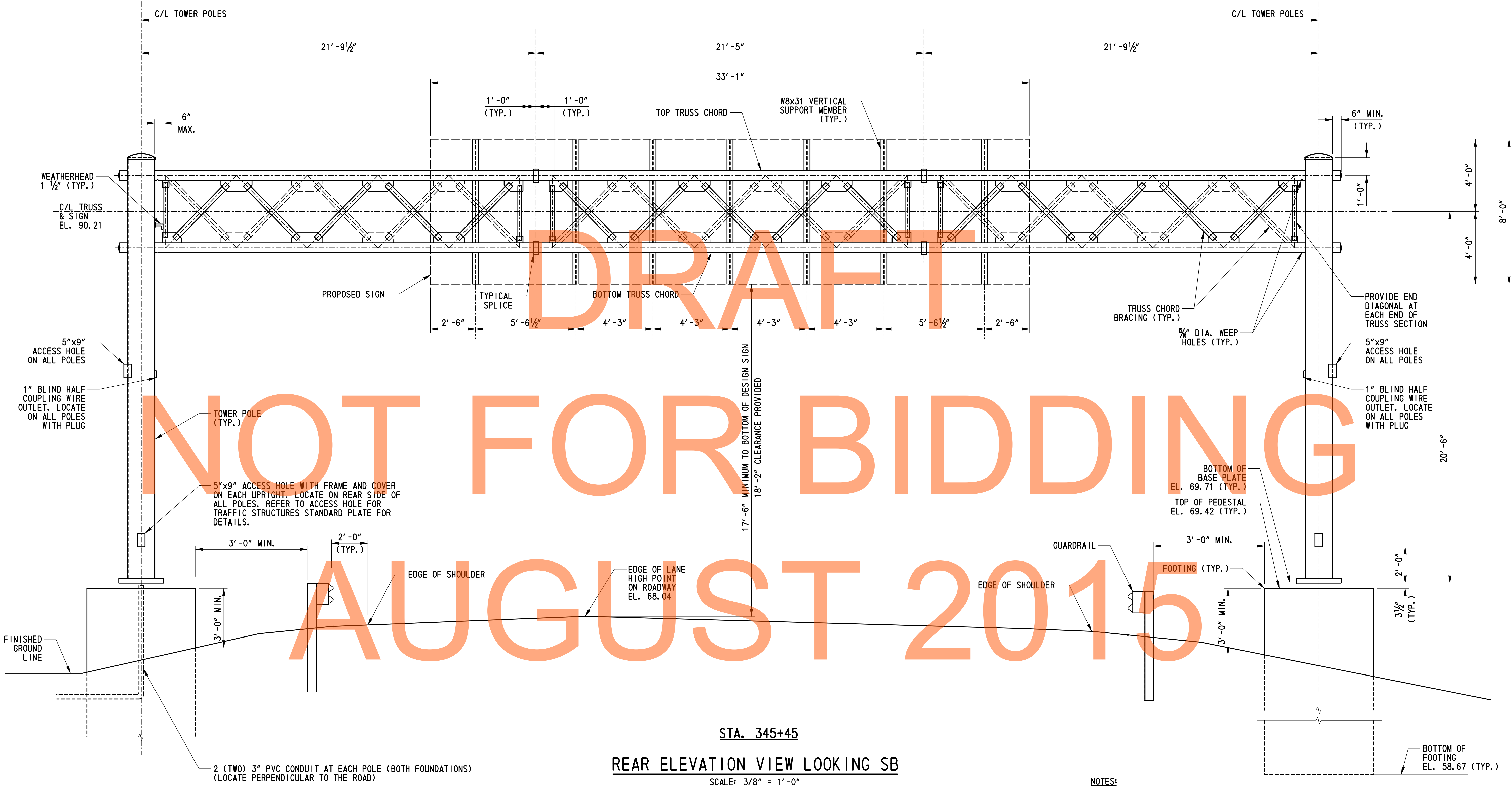
**OVERHEAD GANTRY SIGNS
CAMBER DIAGRAM**

DRAFT
NOT FOR BIDDING
AUGUST 2015

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE FEET	US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD	CONTRACT	BRIDGE NO.	SIGN STRUCTURES GENERAL NOTES	SHEET NO.
					T20091303		
				NEW CASTLE	CHECKED BY: RMG		TOTAL SHTS.
							1256

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DRAFT

NOT FOR BIDDING

AUGUST 2016

STA. 345+45

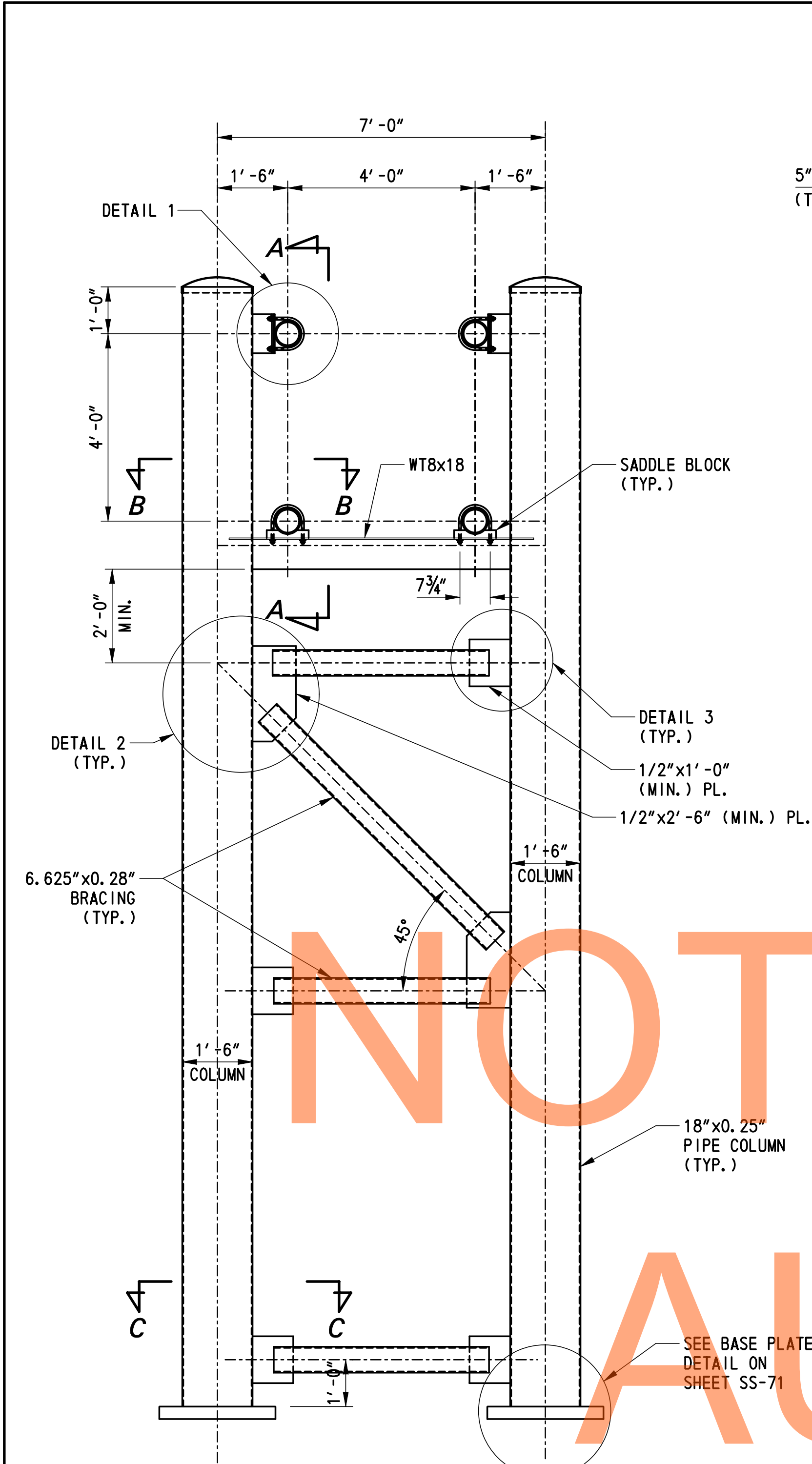
REAR ELEVATION VIEW LOOKING SB

SCALE: 3/8" = 1'-0"

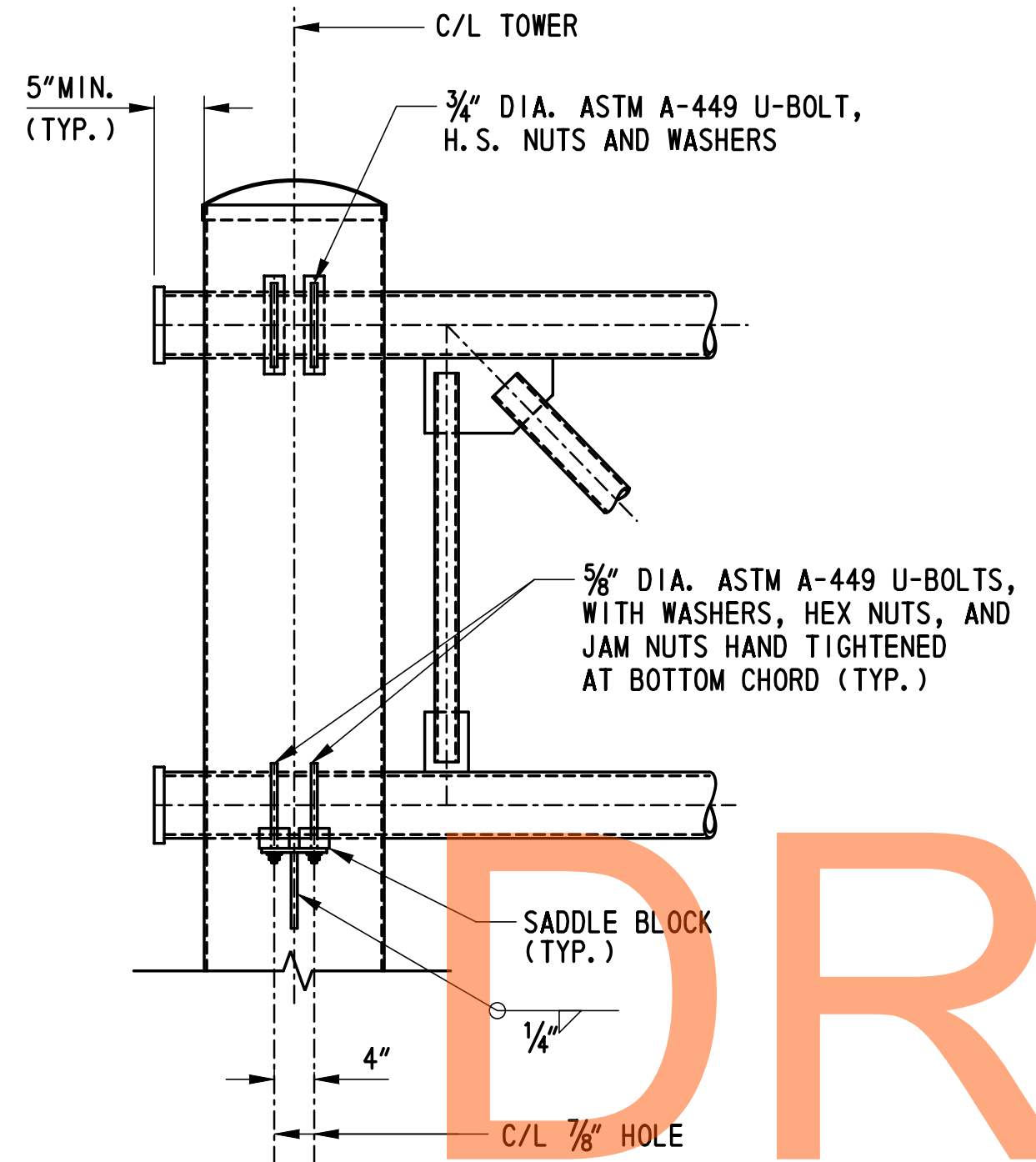
NOTES:

1. FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
2. FOR STRUCTURE DETAILS, SEE SHEETS SS-68, SS-69 AND SS-70.
3. FOR FOUNDATION DETAILS, SEE SHEET SS-71.

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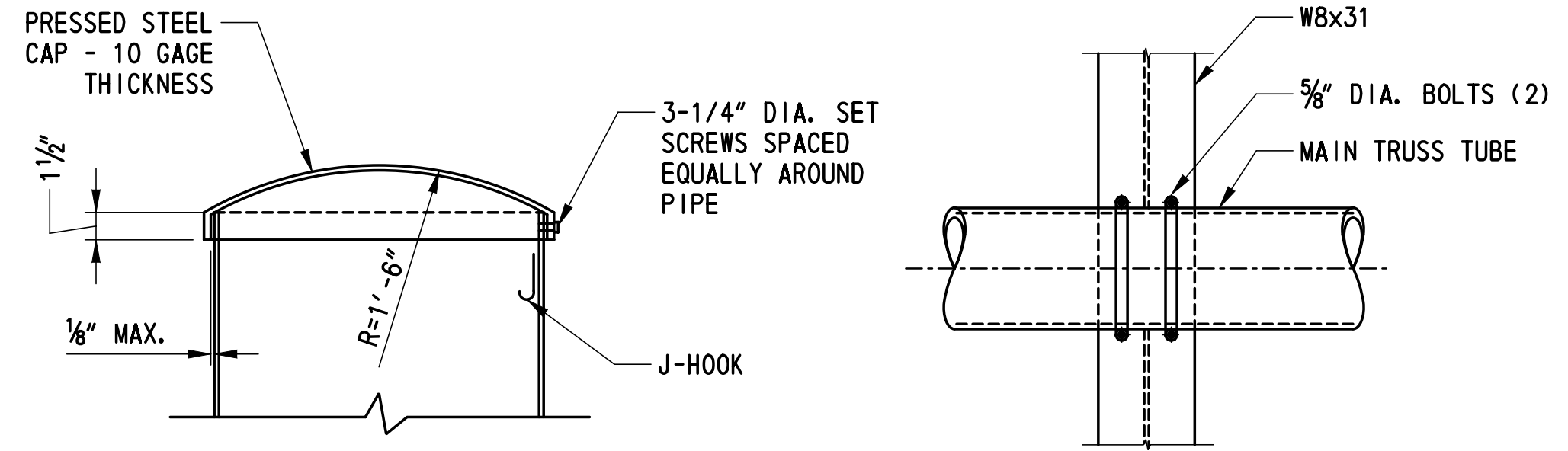
TOWER ELEVATION
SCALE: 1/2" = 1'-0"



SECTION A-A
SCALE: 3/4" = 1'-0"

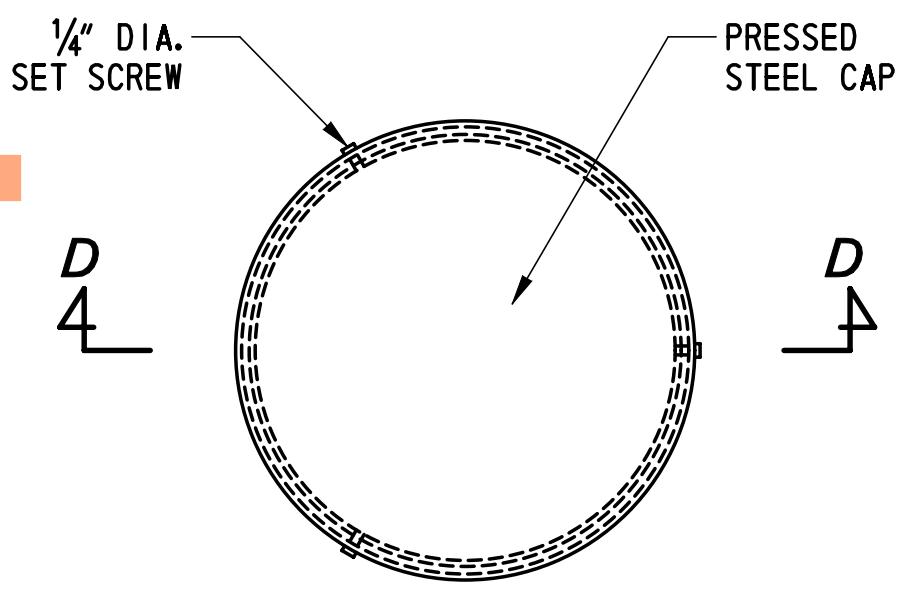
SECTION B-B
SCALE: 3/4" = 1'-0"

SECTION C-C
SCALE: 3/4" = 1'-0"

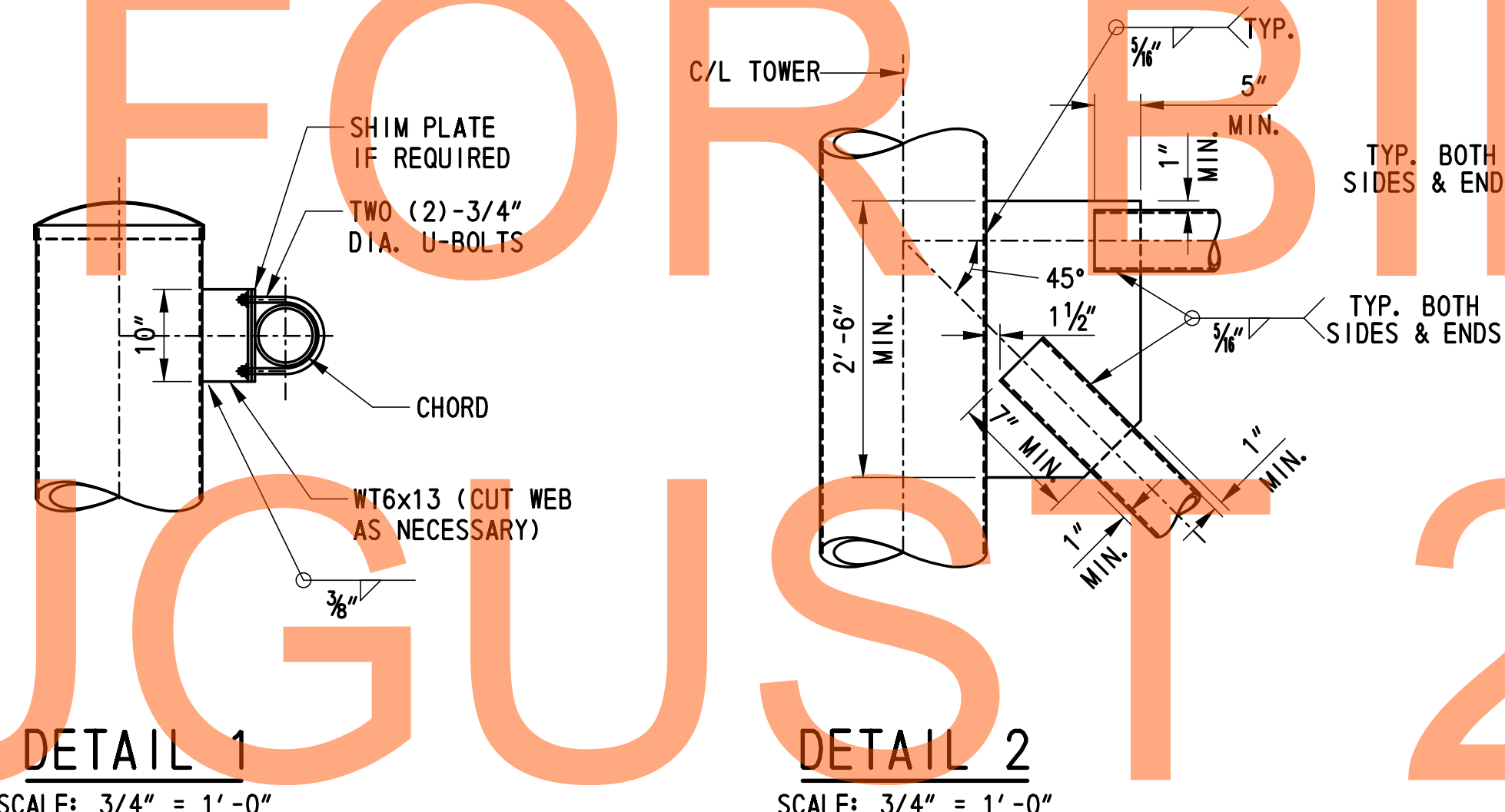


SECTION D-D
SCALE: 1 1/2" = 1'-0"

SIGN ATTACHMENT DETAIL
SCALE: 1 1/2" = 1'-0"



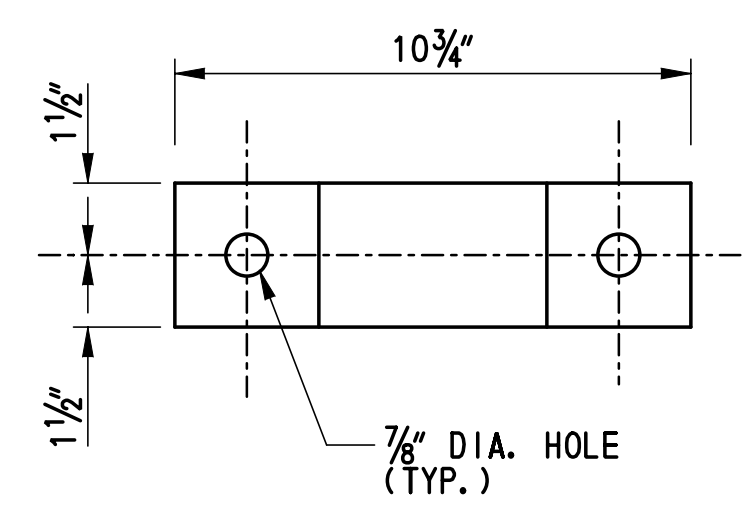
PIPE CAP DETAIL
SCALE: 1 1/2" = 1'-0"



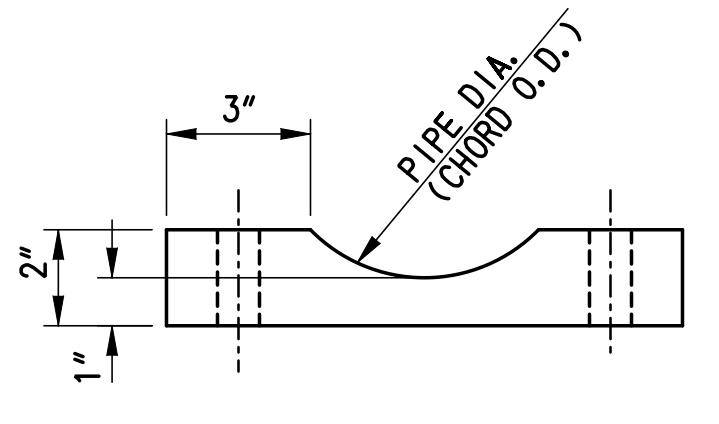
DETAIL 1
SCALE: 3/4" = 1'-0"

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

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



PLAN



ELEVATION

SADDLE BLOCK DETAIL
SCALE: 3" = 1'-0"

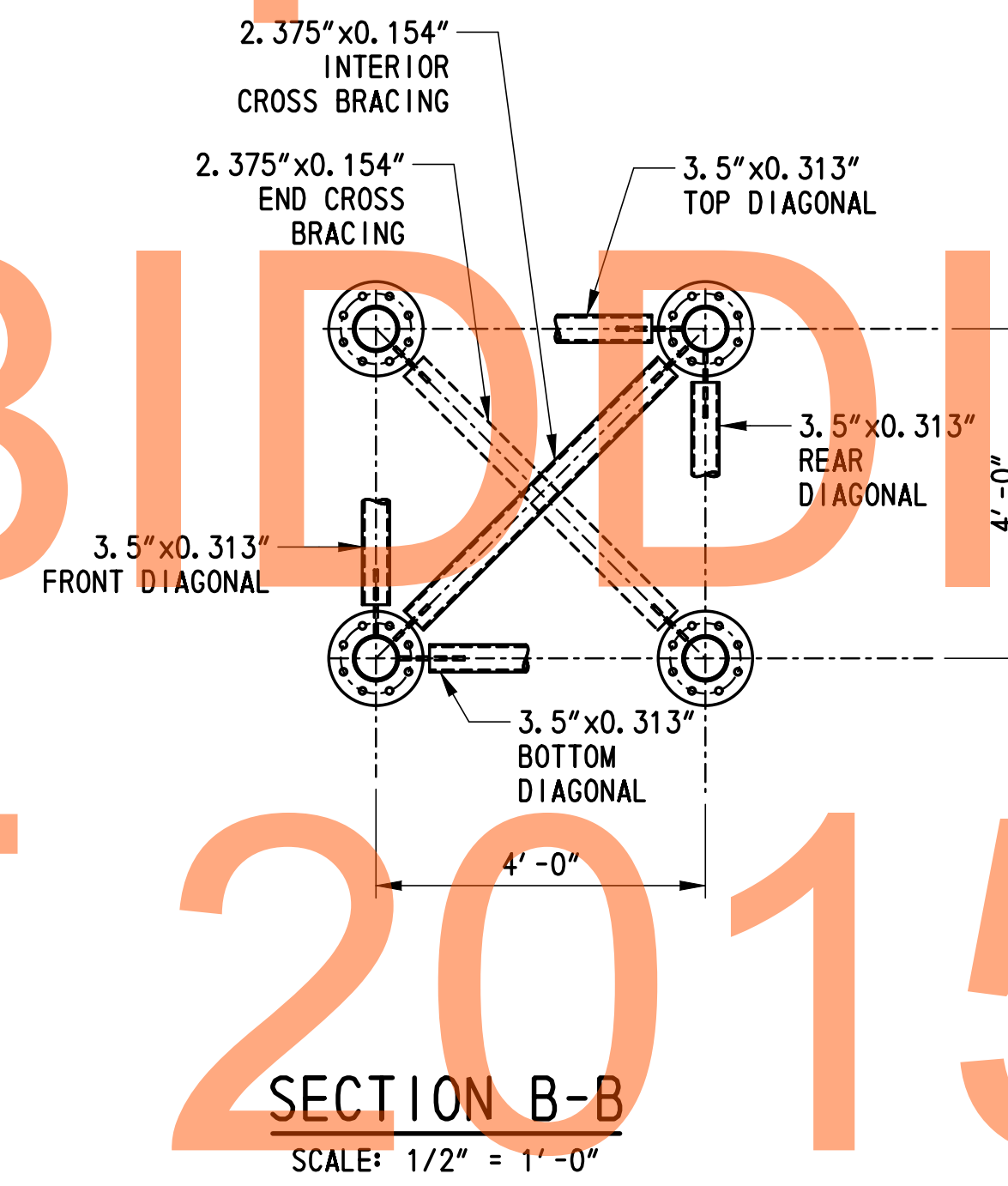
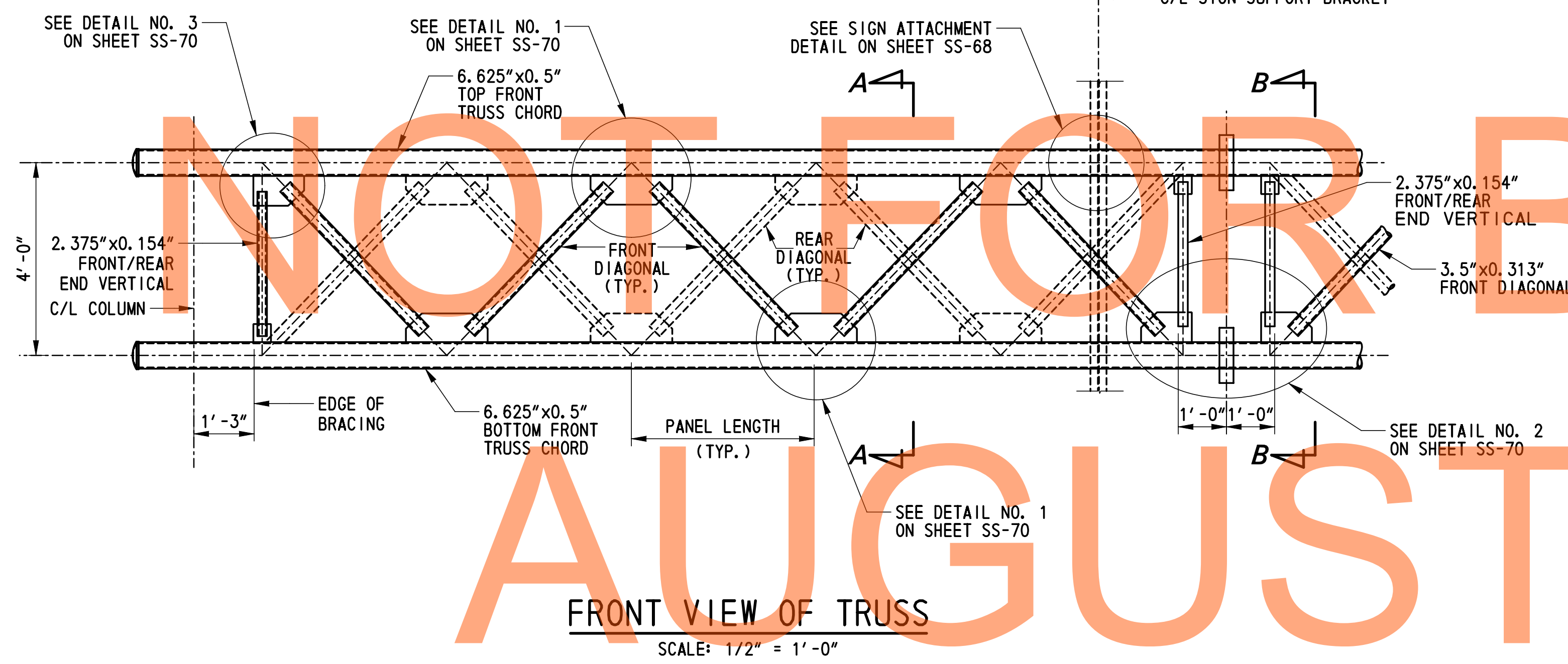
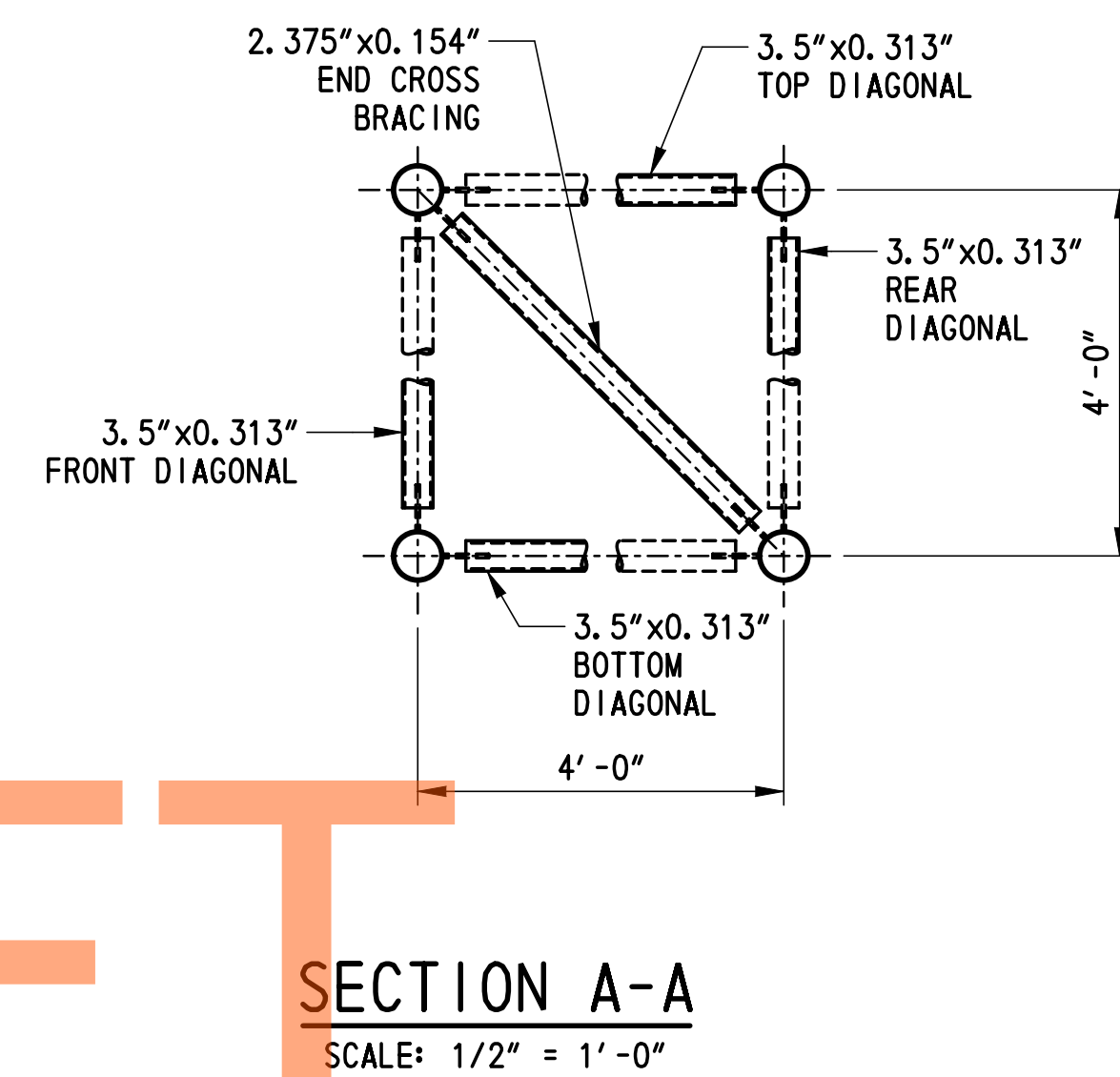
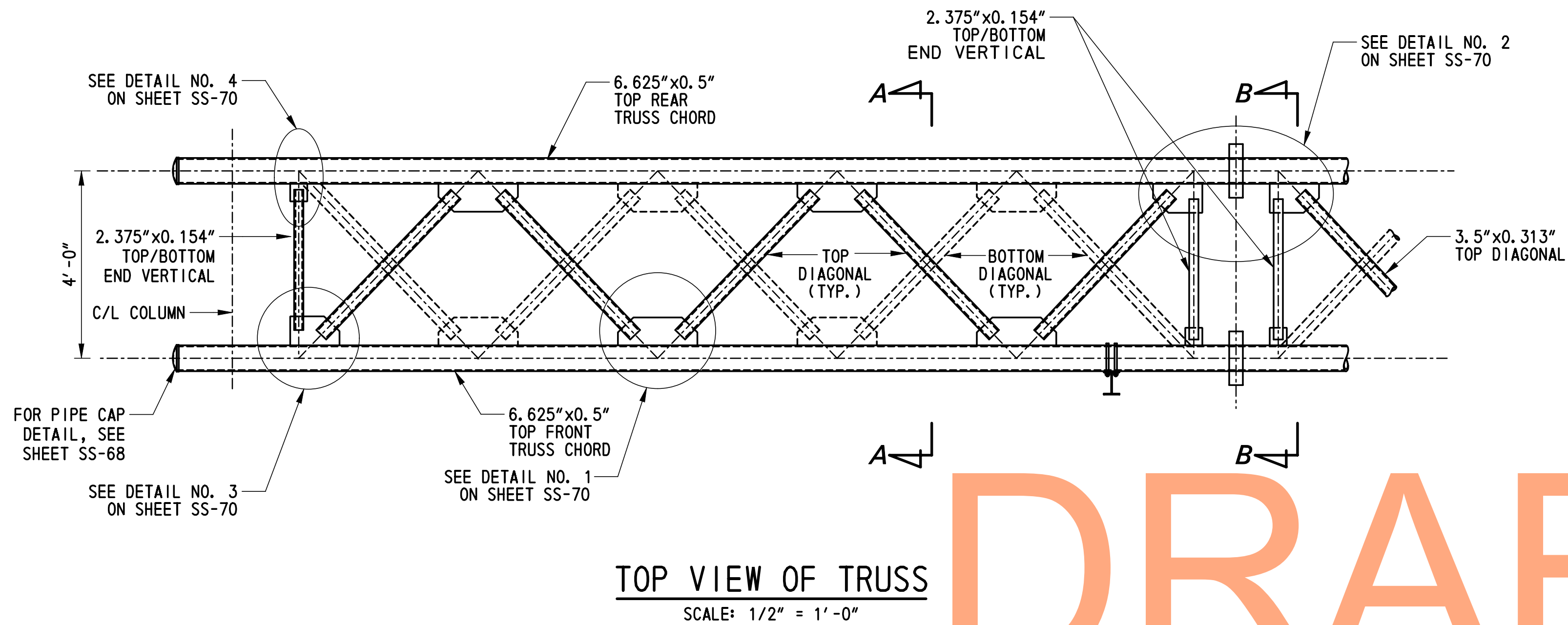
- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET. SS-65 & SS-66.
 2. FOR ANCHOR BOLT DETAILS, SEE SHEET SS-71.
 3. FOR ANCHOR PLATE AND STEEL TEMPLATE DETAILS, SEE SHEET SS-71.
 4. TO PREVENT INTERSECTING FILLET WELDS ON OPPOSITE SIDES OF COMMON PLANE, PROVIDE A WELD "HOLDBACK" AT THE EDGE OF THE GUSSET PLATE IN THE BRACING MEMBERS EQUAL TO THE MINIMUM WELD SIZE REQUIRED. ENSURE MINIMUM TOTAL WELD LENGTH ARE ACHIEVED.

ADDENDUMS / REVISIONS

CONTRACT	BRIDGE NO.	SO1416
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

SS-68
SHEET NO.
1102
TOTAL SHTS.
1256

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NOT FOR BIDDING
AUGUST 2015

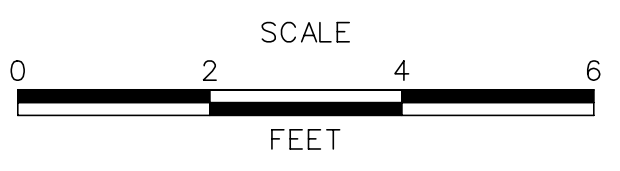


- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 2. TEMPORARY END FRAME TO BE USED TO PROVIDE ADDITIONAL SUPPORT TO ENDS OF TRUSS CHORDS DURING FABRICATION AND GALVANIZING PROCESSES. REMOVE AND REPAIR GALVANIZING AT POINTS OF CONTACT PRIOR TO TRUSS ASSEMBLY AND ERECTION. TEMPORARY FRAME IS NOT PART OF THE STRUCTURE AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
 3. TRUSSES SHALL BE FABRICATED WITH CAMBER AT THE CENTER OF THE SPAN EQUAL THE VALUE GIVEN BY THE CAMBER DIAGRAM ON THE CONTRACT DRAWING. ALL TRUSSES SHALL BE ASSEMBLED IN THE SHOP IN A NO LOAD CONDITION TO ENSURE FIT AT SPLICES AND TO CHECK CAMBER.

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ADDENDUMS / REVISIONS	

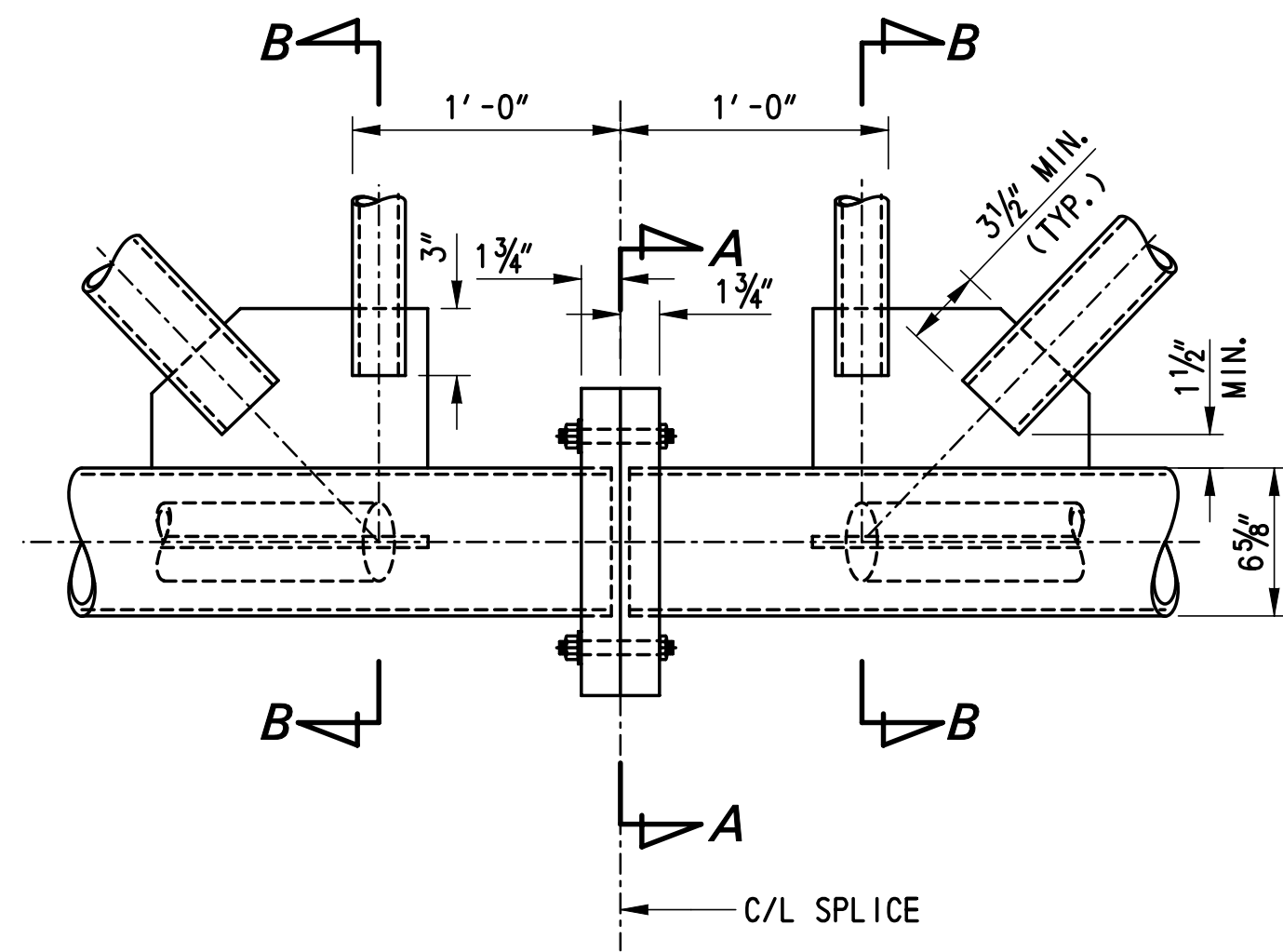


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

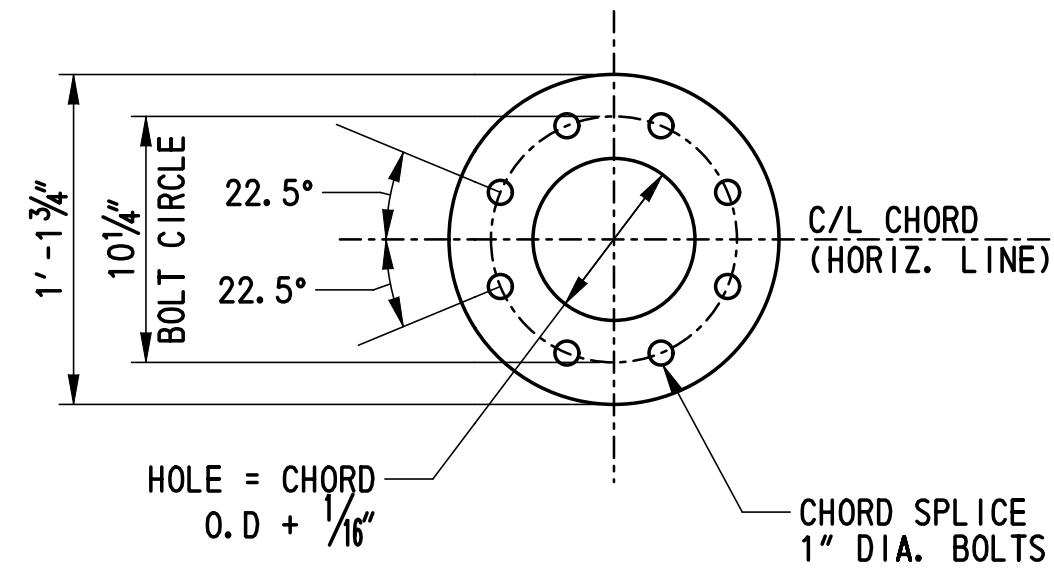
CONTRACT	BRIDGE NO.	SO1416
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

**GANTRY
SIGN STRUCTURE
TRUSS DETAILS**

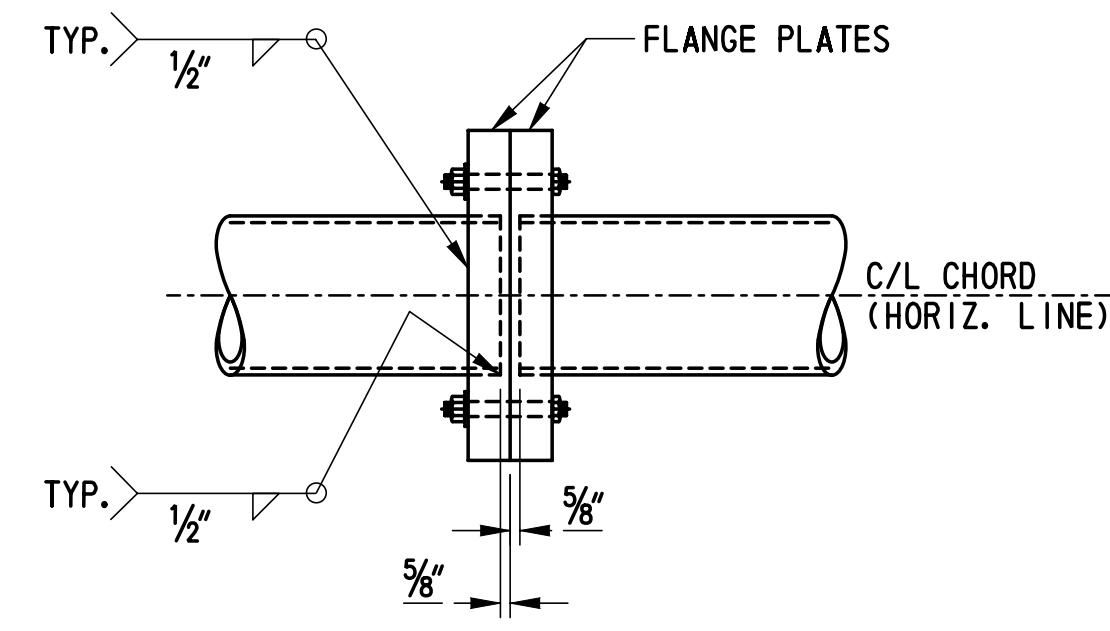
SS-69
SHEET NO.
1103
TOTAL SHTS.
1256



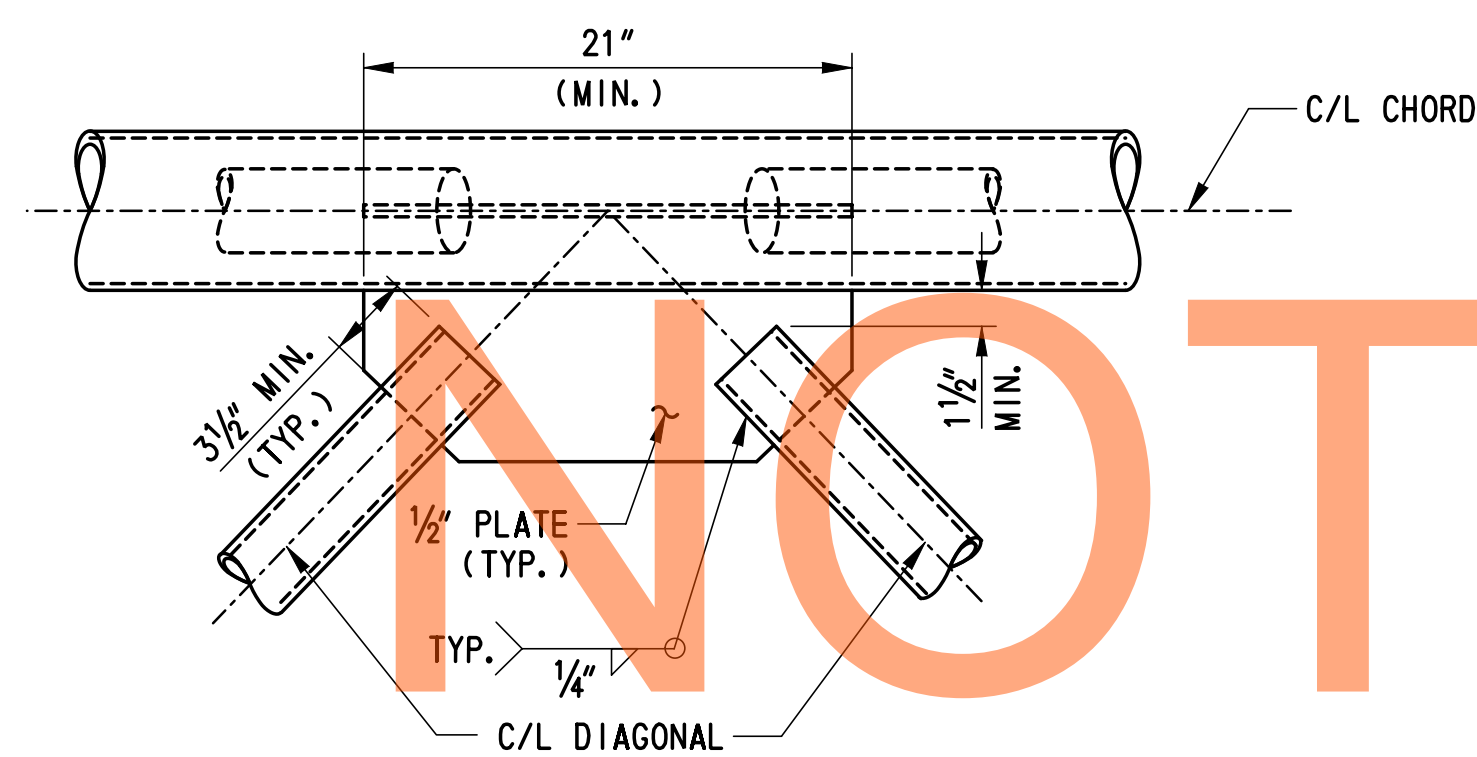
ELEVATION
CHORD SPLICE DETAIL
SCALE: 1 1/2" = 1'-0"



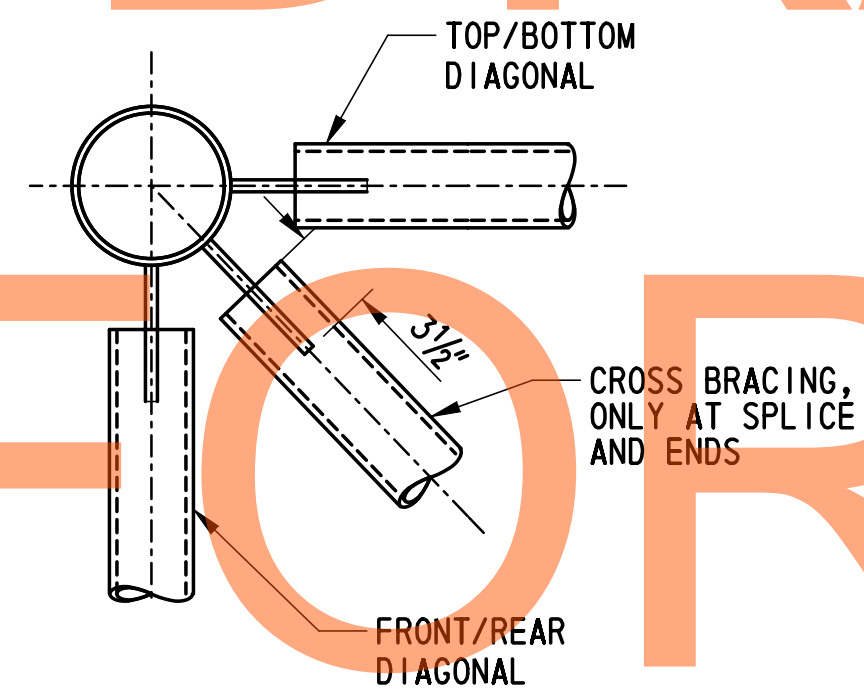
SECTION A-A
FLANGE PLATE
SCALE: 1 1/2" = 1'-0"



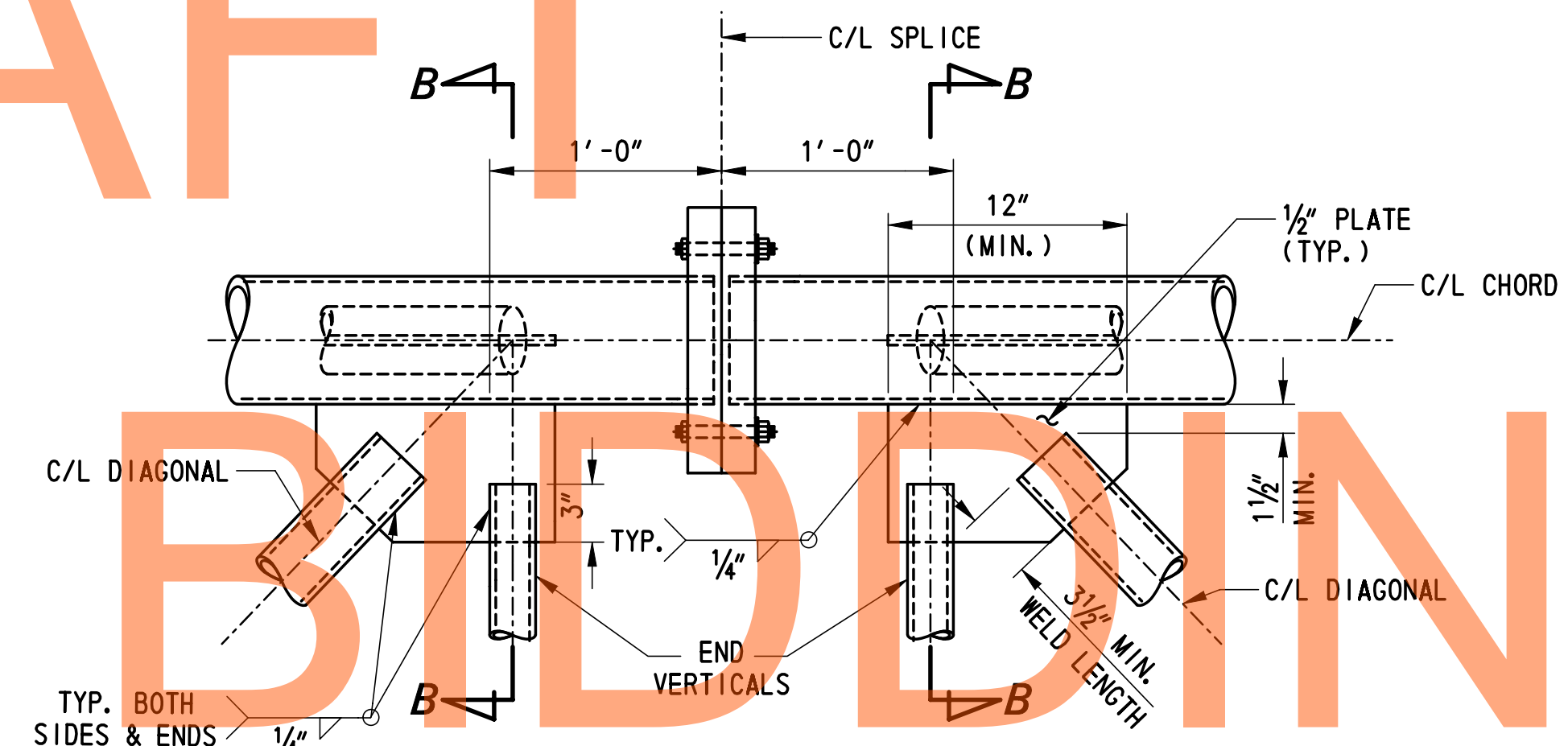
FLANGE SPLICE DETAIL
SCALE: 1 1/2" = 1'-0"



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

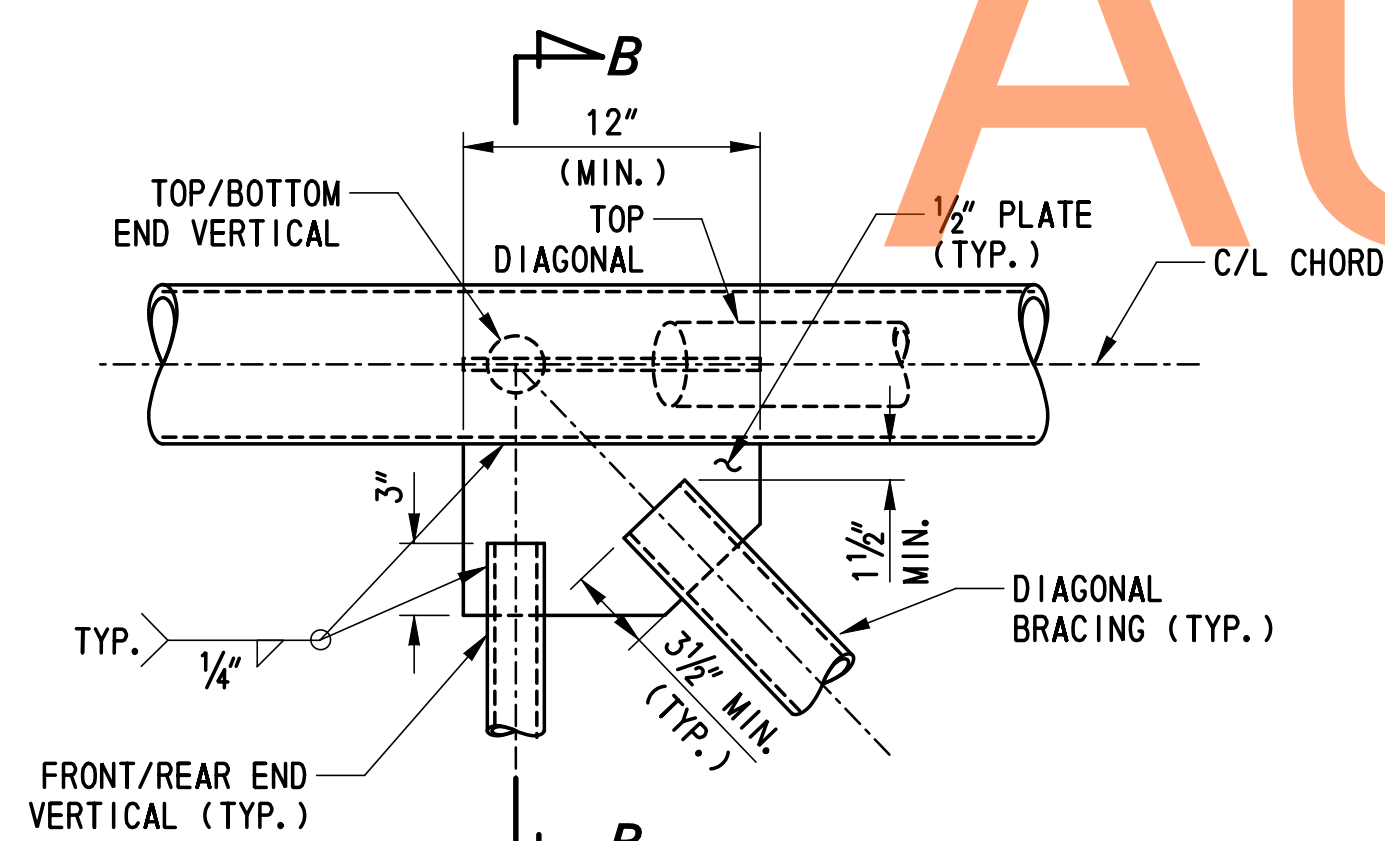


SECTION B-B
SCALE: 1 1/2" = 1'-0"

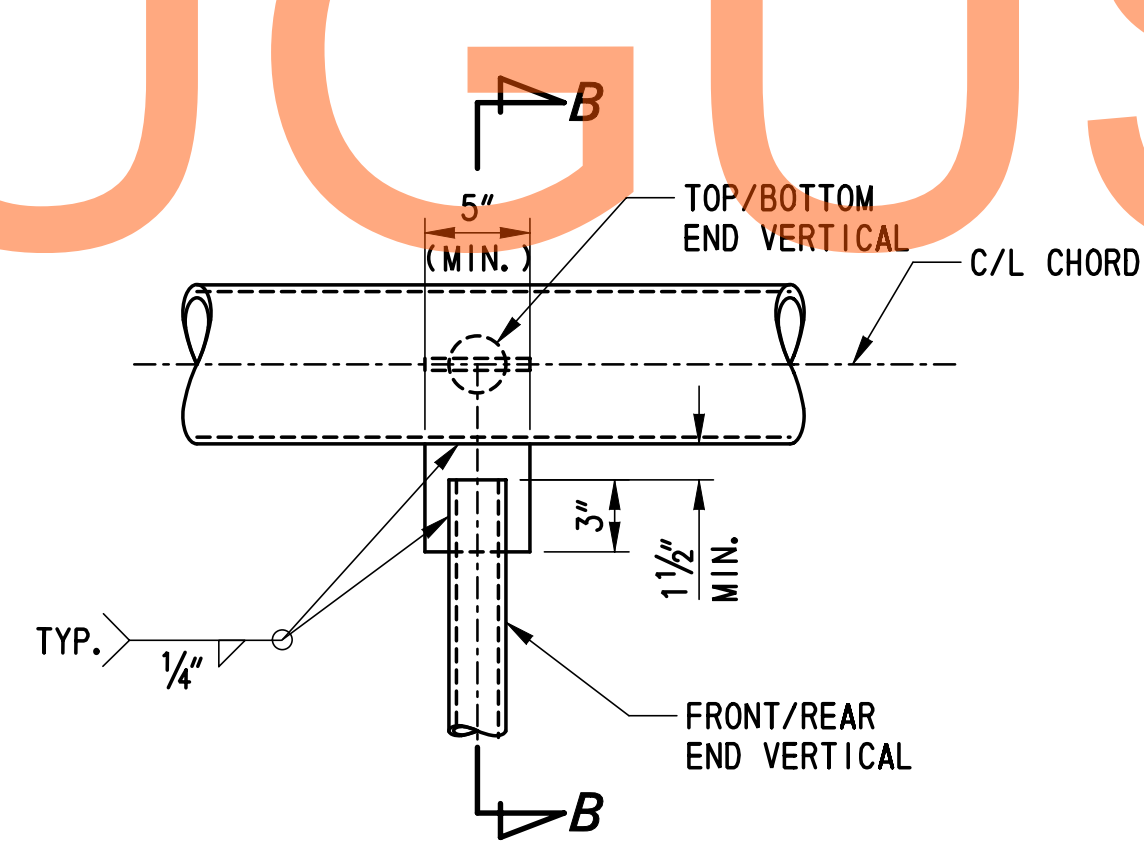


CROSS BRACING ONLY AT SPLICE & ENDS

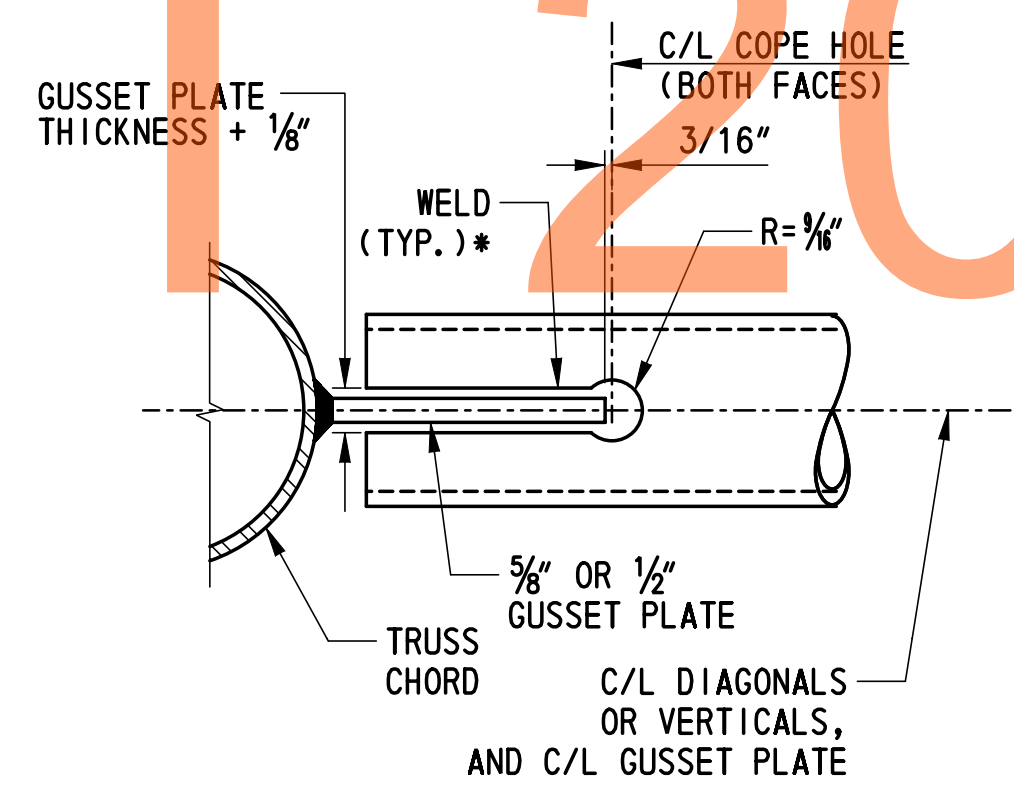
DETAIL 2
SCALE: 1 1/2" = 1'-0"



DETAIL 3
SCALE: 1 1/2" = 1'-0"



DETAIL 4
SCALE: 1 1/2" = 1'-0"



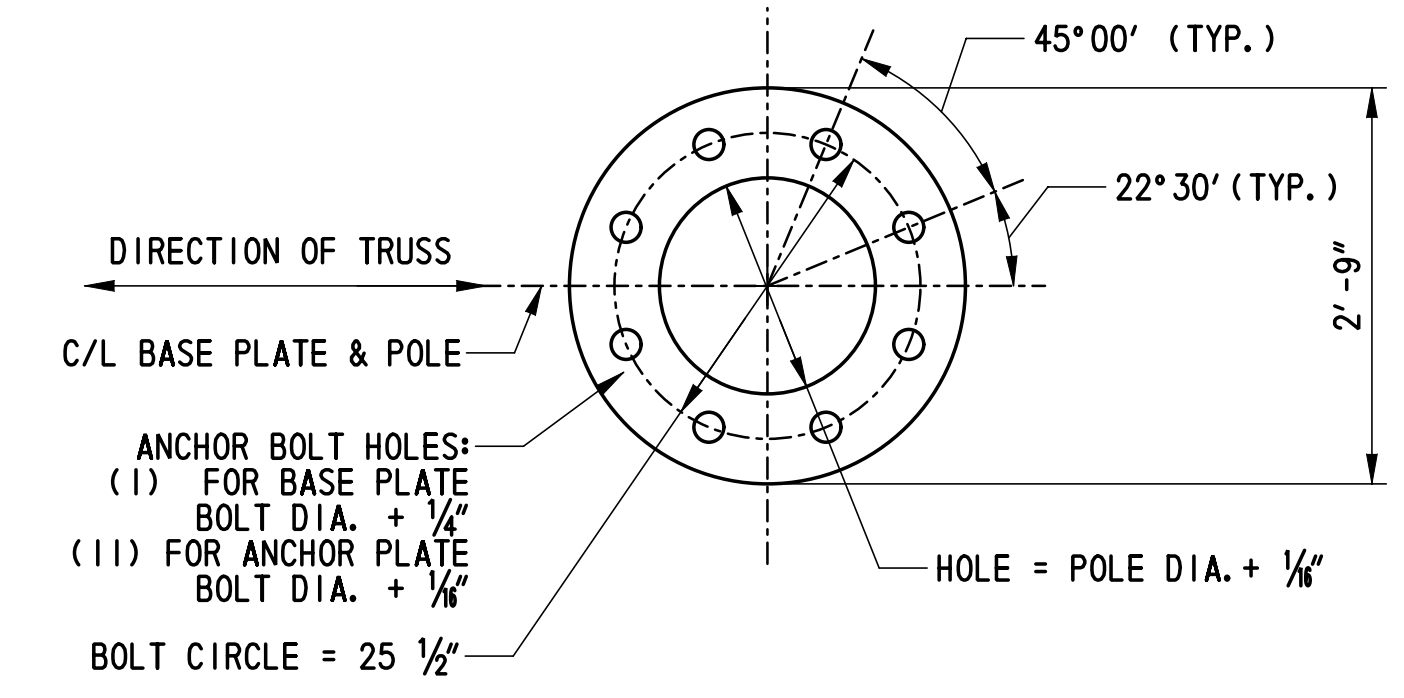
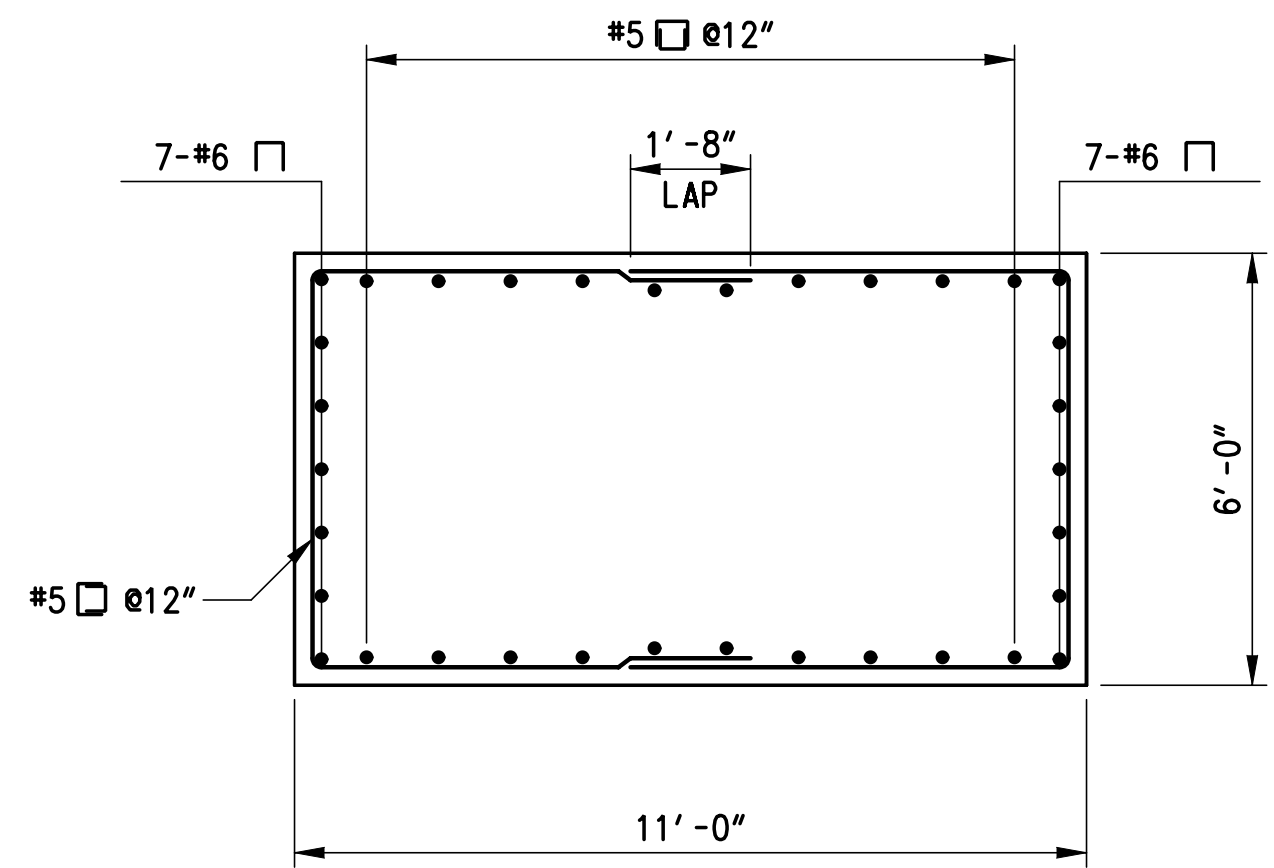
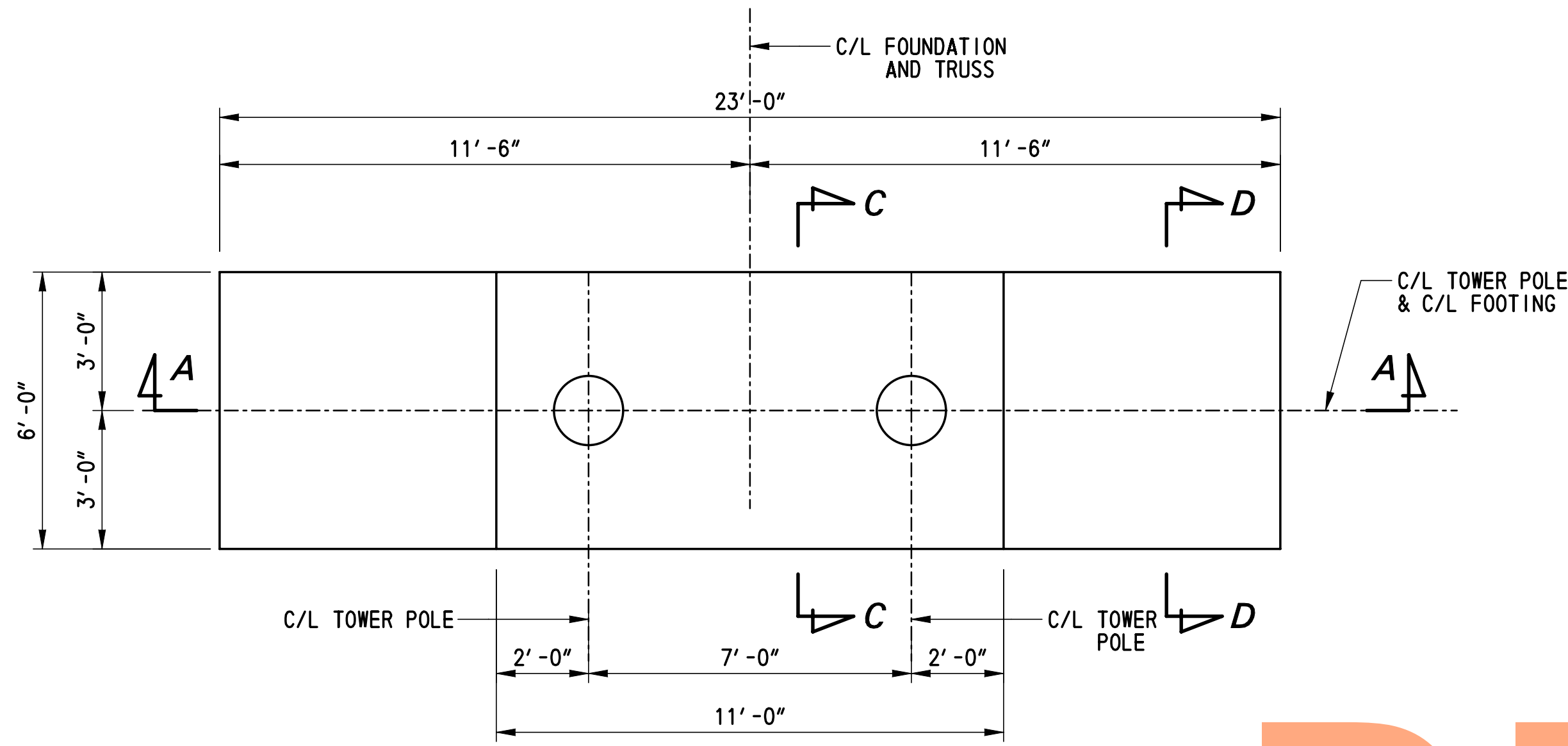
* PROVIDE A WELD "HOLDBACK" AT THE EDGE OF THE GUSSET PLATE IN THE BRACING MEMBER EQUAL TO THE MINIMUM WELD SIZE REQUIRED.

COPE HOLE DETAIL (TYP.)
N. T. S.

NOTES:

- FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
- CHORD SPLICE BOLTS SHALL BE ASTM A325 HIGH STRENGTH STEEL BOLTS. HOLES IN SPLICE PLATE SHALL BE 1/16" LARGER THAN BOLT DIAMETER.
- ASTM A325 SPLICE BOLTS SHALL BE HEAVY HEXAGON TYPE AND SHALL BE FURNISHED WITH HEAVY HEXAGON NUTS AND WASHER.
- THE THREADED PORTION OF THE SPLICE BOLTS SHALL BE EXCLUDED FROM THE SHEAR PLANE OF THE SPLICE.
- TO PREVENT INTERSECTING FILLET WELDS ON OPPOSITE SIDES OF COMMON PLANE, PROVIDE A WELD "HOLDBACK" AT THE EDGE OF THE GUSSET PLATE IN THE BRACING MEMBERS EQUAL TO THE MINIMUM WELD SIZE REQUIRED. ENSURE MINIMUM TOTAL WELD LENGTH ARE ACHIEVED

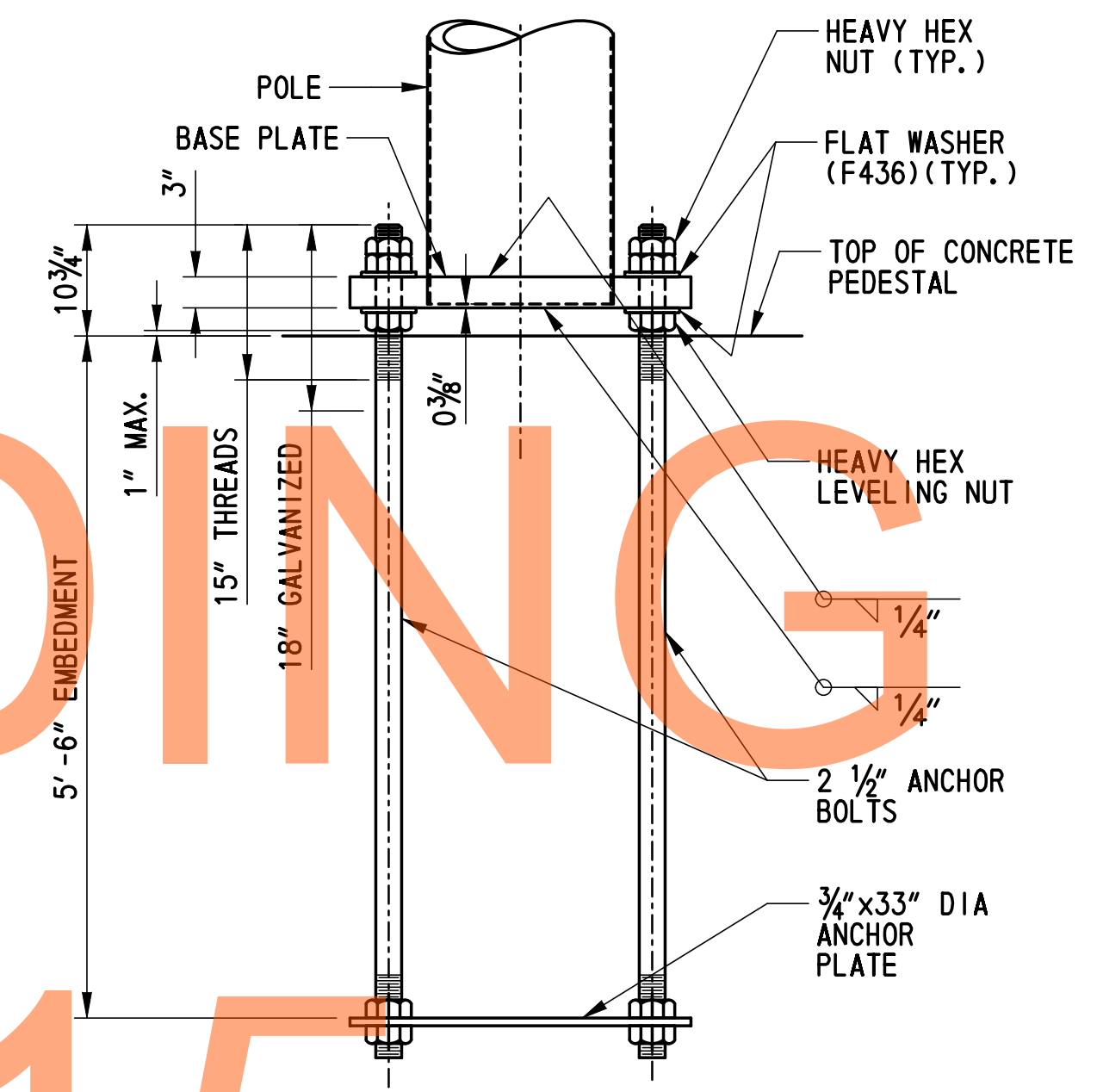
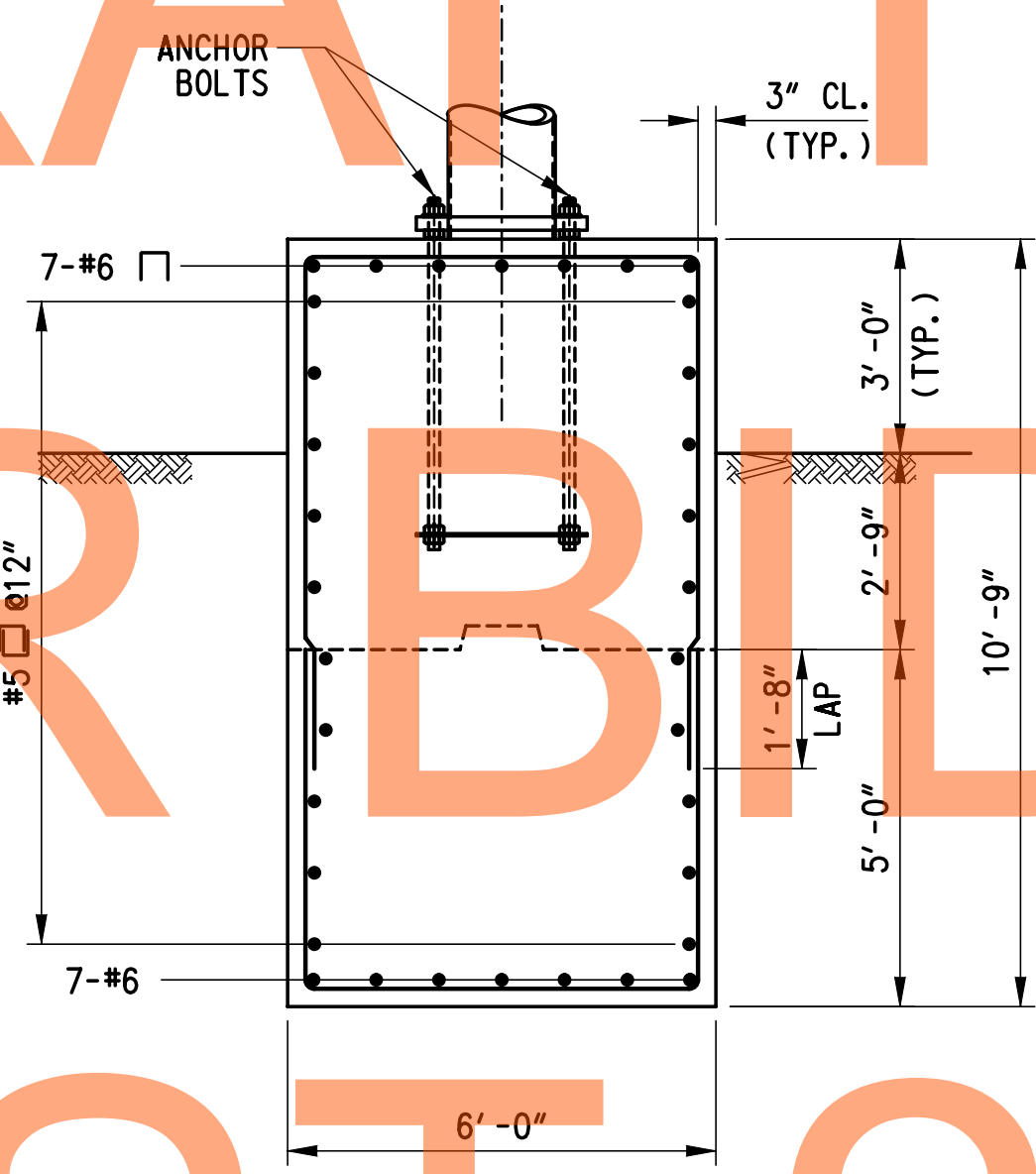
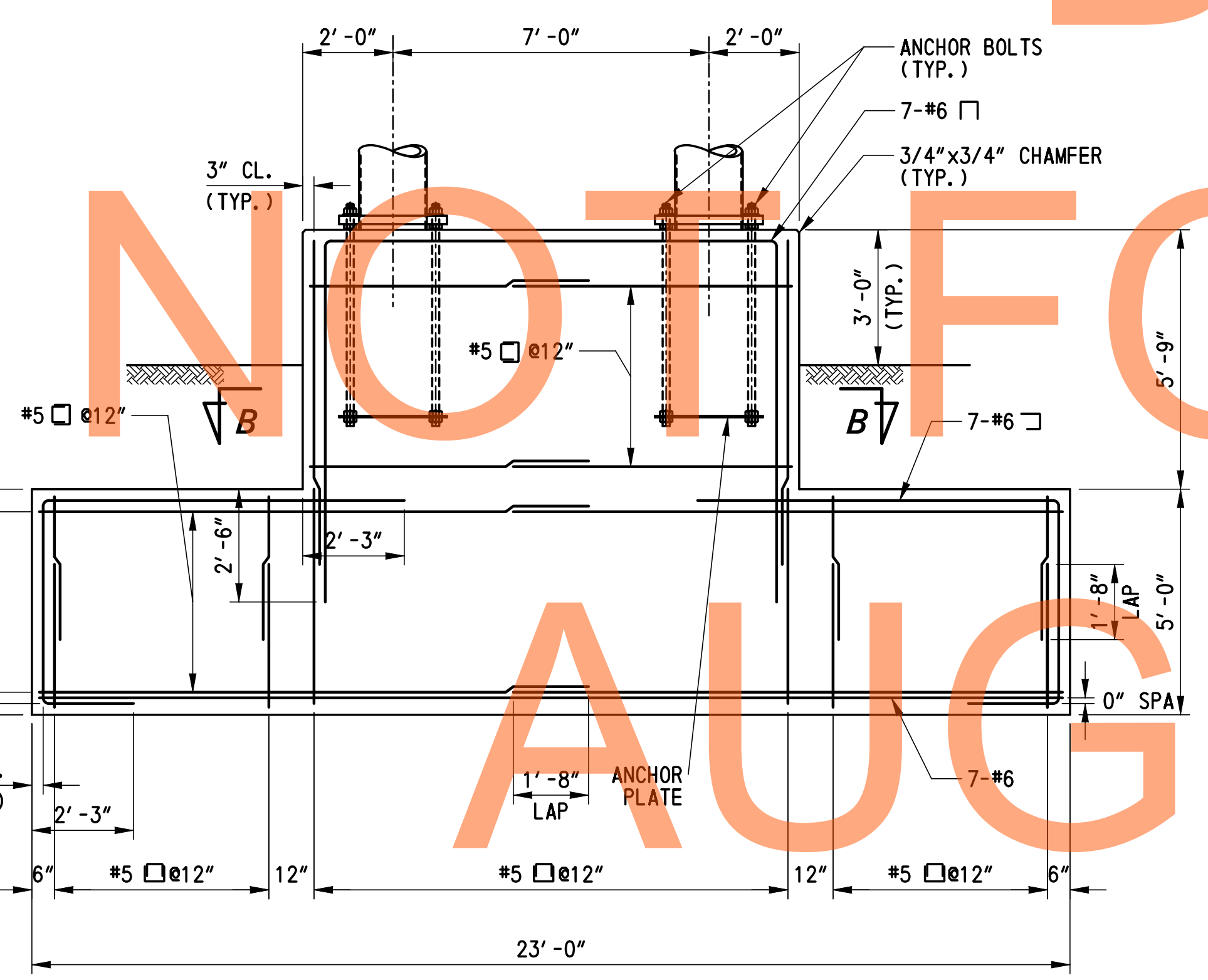
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PLAN
SCALE: 3/8" = 1'-0"

SECTION B-B
SCALE: 3/8" = 1'-0"

BASE PLATE PLAN VIEW



SECTION A-A
SCALE: 3/8" = 1'-0"

SECTION C-C
SCALE: 3/8" = 1'-0"

SECTION D-D
SCALE: 3/4" = 1'-0"

SECTION BASE PLATE & ANCHOR PLATE
SCALE: 3/4" = 1'-0"

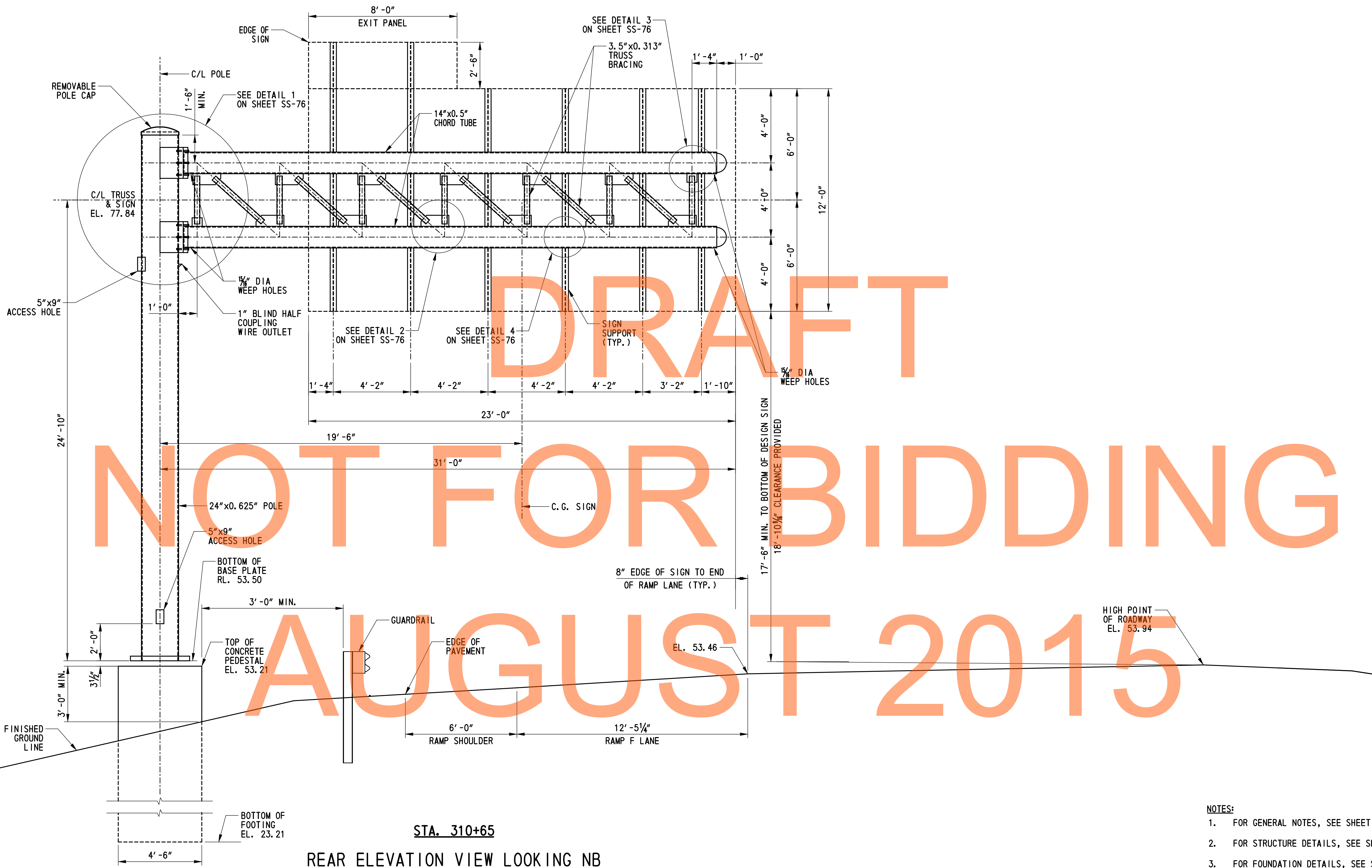
G:\60049040_US301\Structure\Plans\FINAL\SIGN\STRUCT\SS-71.dgn

DRAFT
NOT FOR BIDDING
AUGUST 2015

ADDENDUMS / REVISIONS	

CONTRACT	BRIDGE NO.	SO1416
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

SS-71
SHEET NO.
1105
TOTAL SHTS.
1256

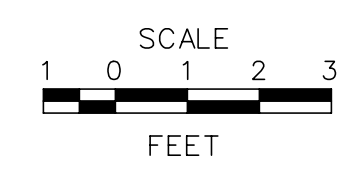


STA. 310+65
 REAR ELEVATION VIEW LOOKING NB
 SCALE: 3/8" = 1'-0"

- NOTES:
1. FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 2. FOR STRUCTURE DETAILS, SEE SHEET SS-76.
 3. FOR FOUNDATION DETAILS, SEE SHEET SS-77.

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ADDENDUMS / REVISIONS



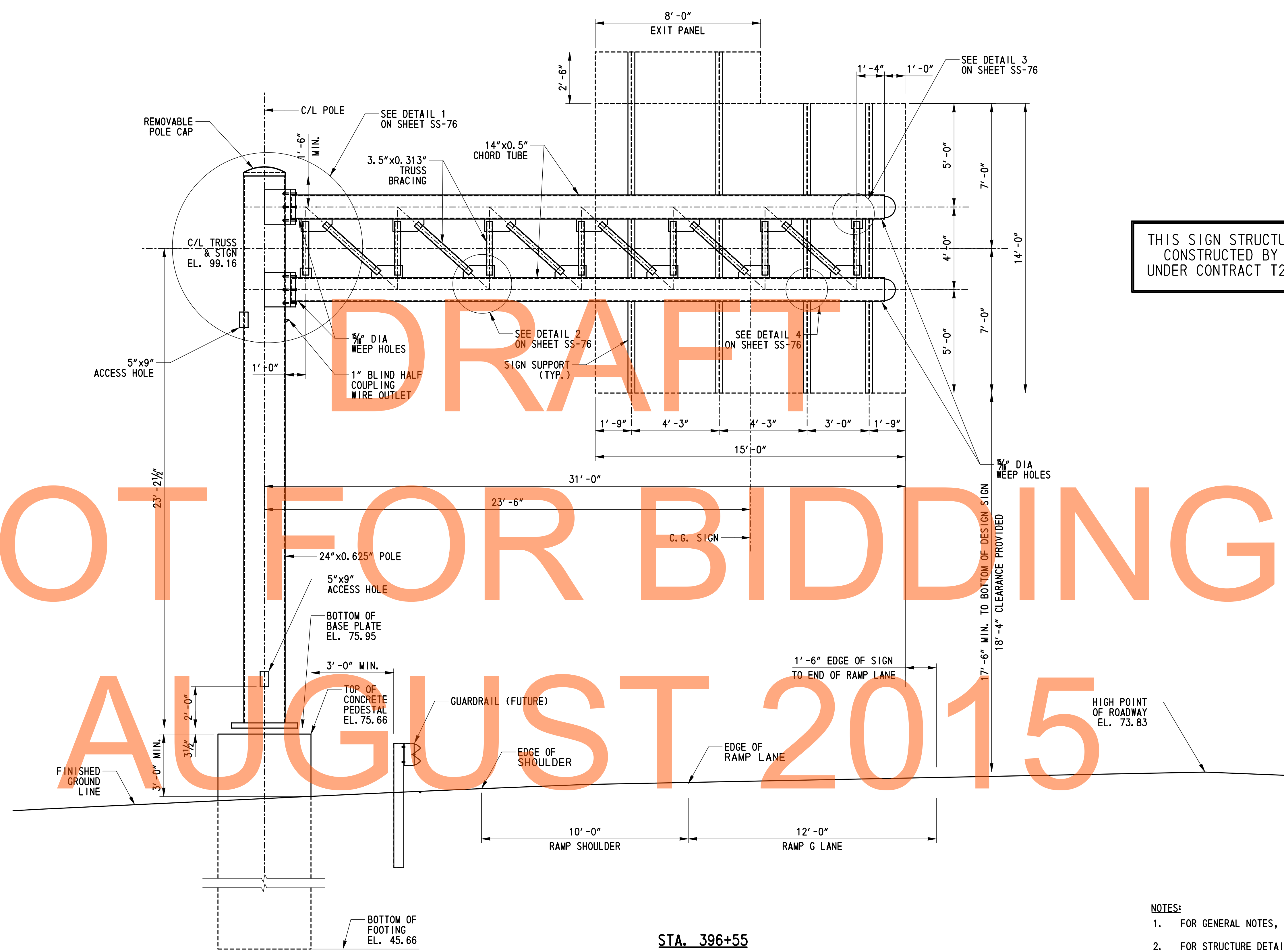
CONTRACT	BRIDGE NO.	SC1415
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

SS-72
SHEET NO.
1106
TOTAL SHTS.
1256

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AUGUST 2015



THIS SIGN STRUCTURE TO BE
CONSTRUCTED BY OTHERS
UNDER CONTRACT T200911307

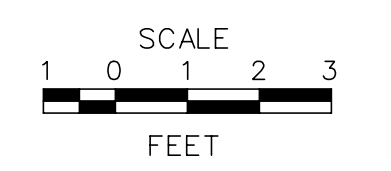
- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 2. FOR STRUCTURE DETAILS, SEE SHEET SS-76.
 3. FOR FOUNDATION DETAILS, SEE SHEET SS-77.

STA. 396+55
REAR ELEVATION VIEW LOOKING SB
SCALE: 3/8" = 1'-0"

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ADDENDUMS / REVISIONS

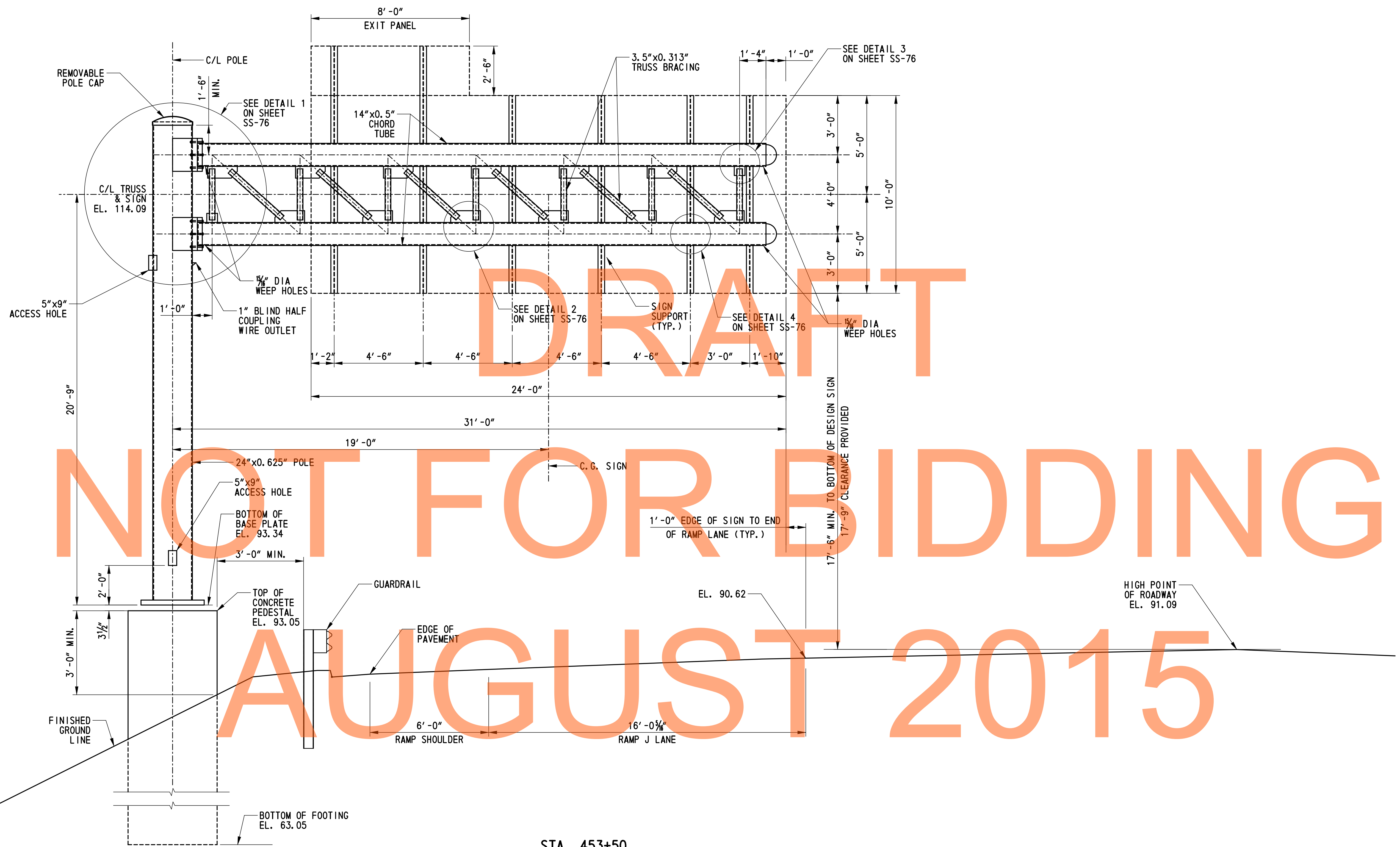


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	SC1417
T200911303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

**STA. 396 + 55
CANTILEVER SIGN
STRUCTURE ELEVATION**

SS-73
SHEET NO.
1107
TOTAL SHTS.
1256



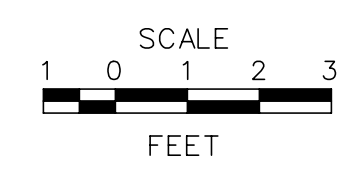
STA. 453+50
REAR ELEVATION VIEW LOOKING SB
 SCALE: 3/8" = 1'-0"

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 - FOR STRUCTURE DETAILS, SEE SHEET SS-76.
 - FOR FOUNDATION DETAILS, SEE SHEET SS-77.

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ADDENDUMS / REVISIONS	

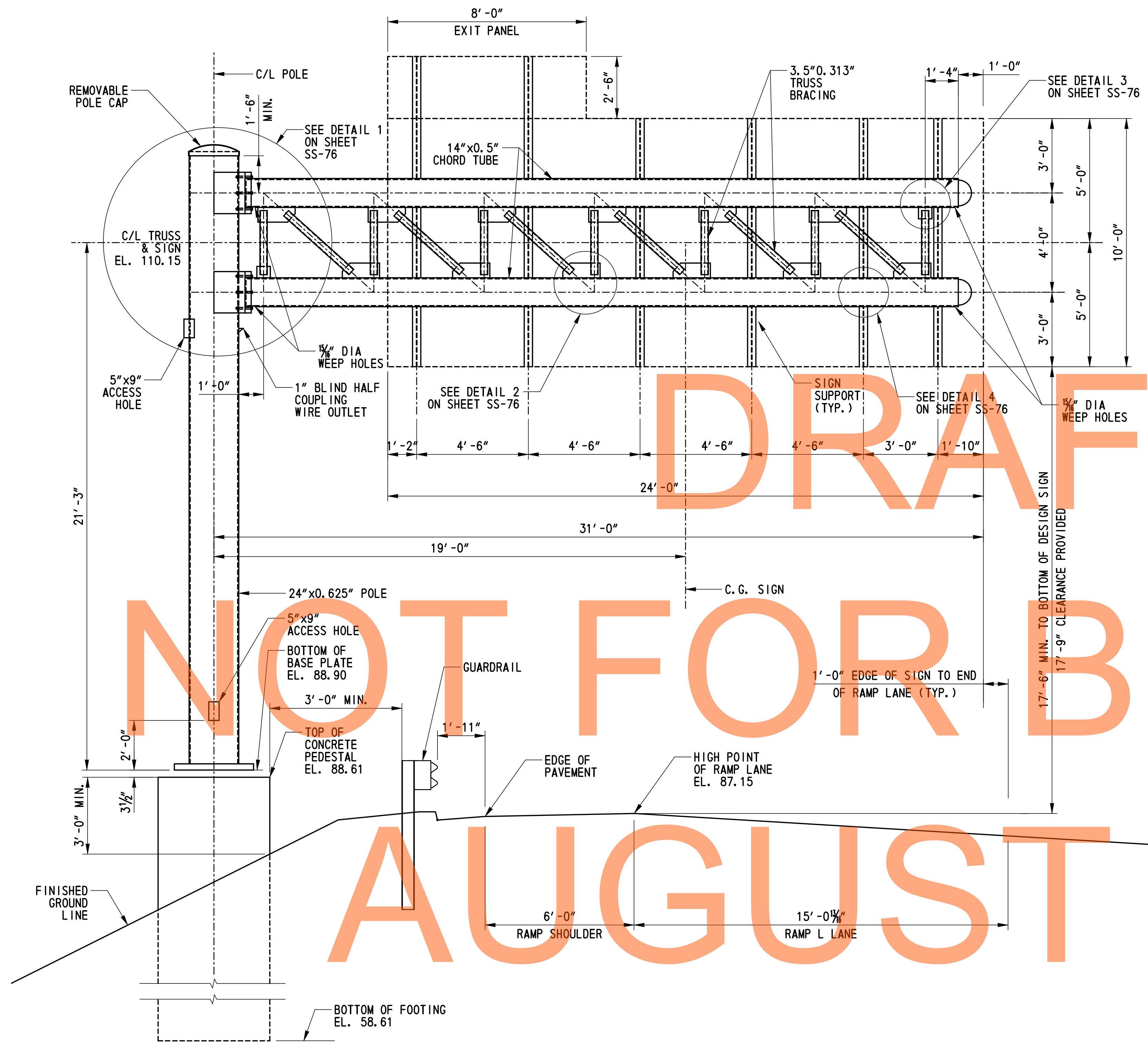


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	SC1418
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

**STA. 453 + 50
 CANTILEVER SIGN
 STRUCTURES ELEVATION**

SS-74
SHEET NO.
1108
TOTAL SHTS.
1256

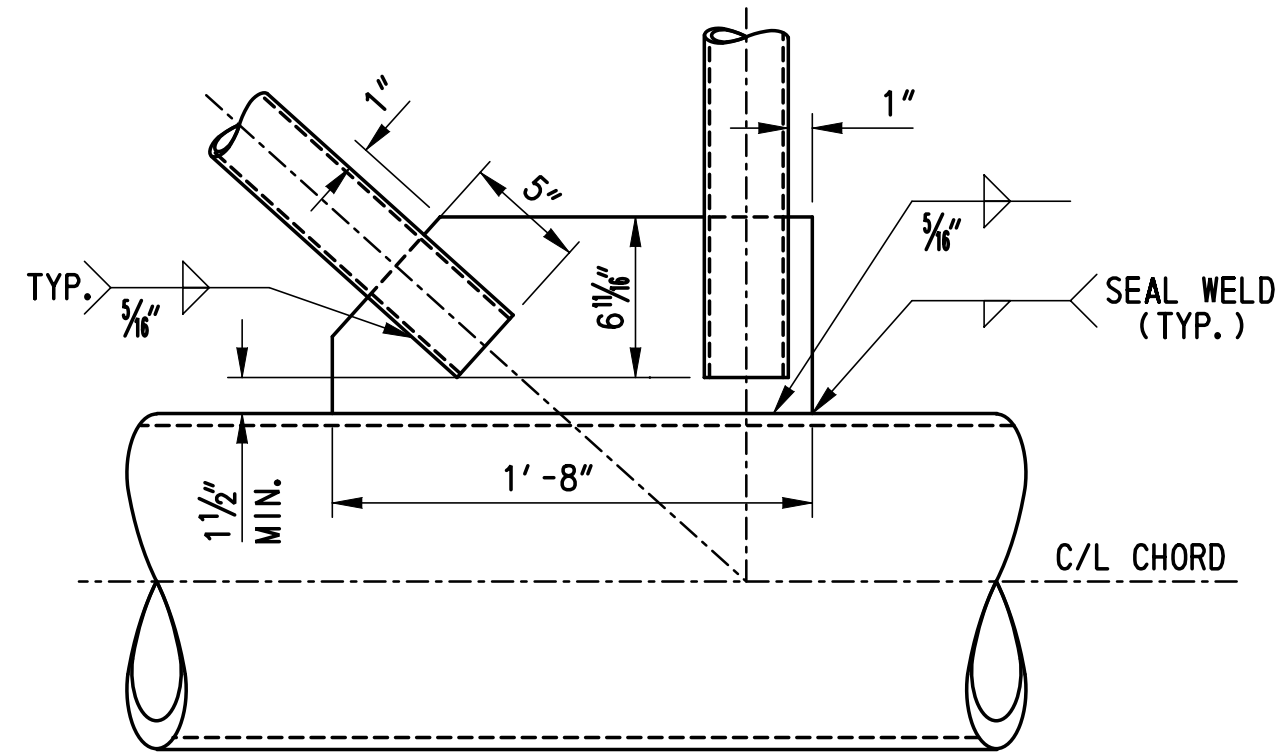
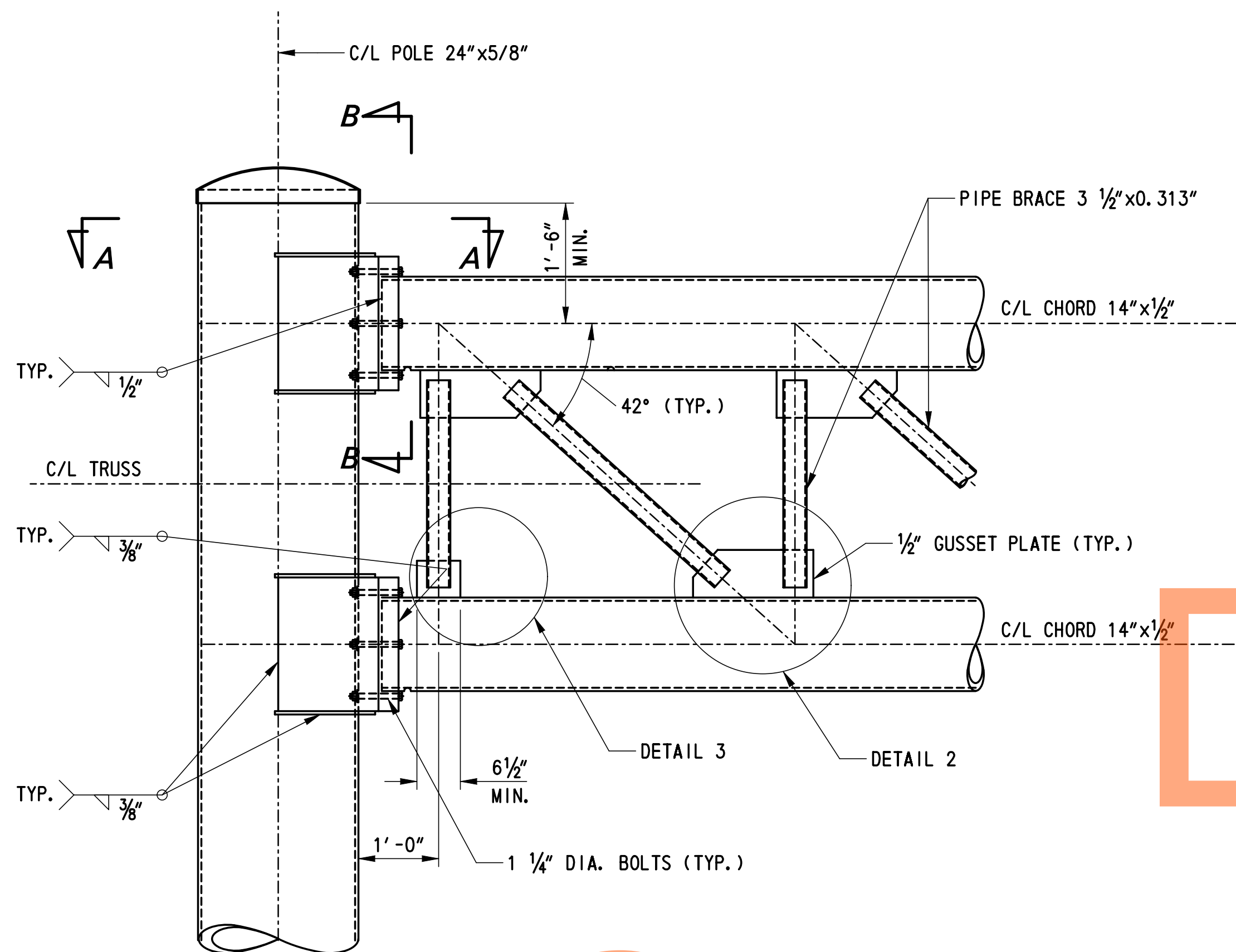


STA. 478+00
REAR ELEVATION VIEW LOOKING NB
 SCALE: 3/8" = 1'-0"

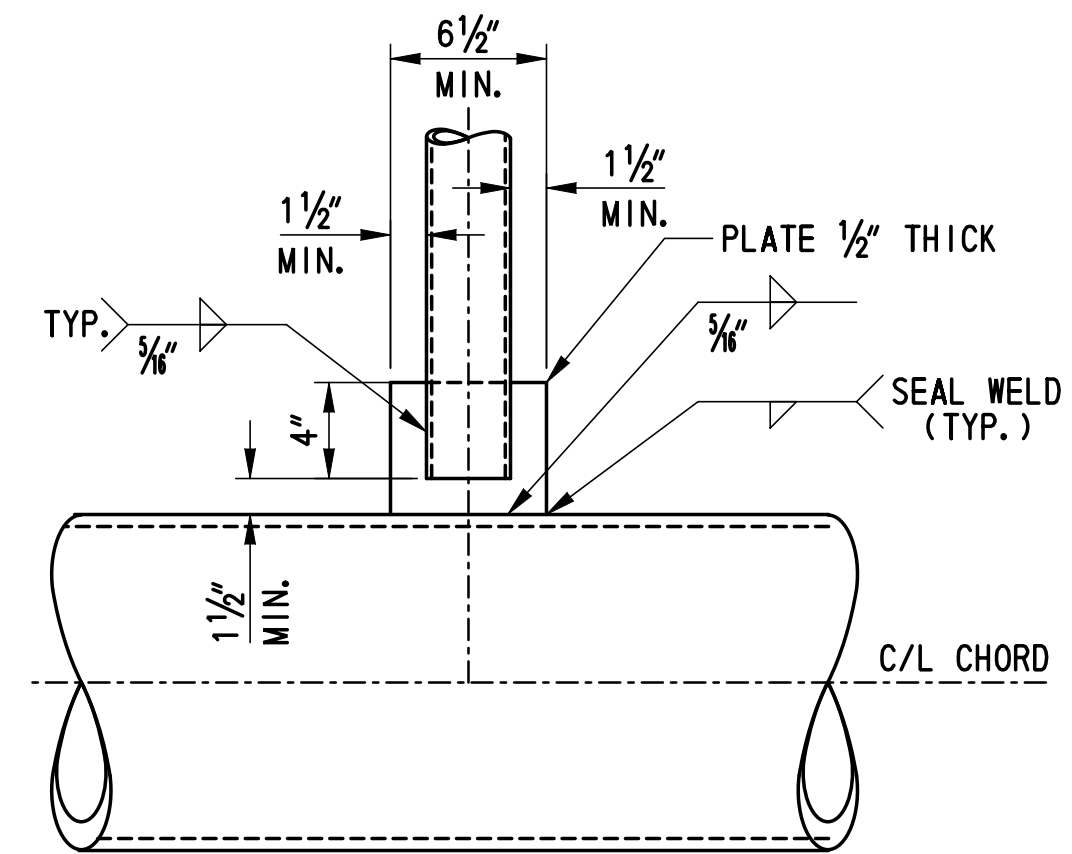
- NOTES:**
- FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 - FOR STRUCTURE DETAILS, SEE SHEET SS-76.
 - FOR FOUNDATION DETAILS, SEE SHEET SS-77.

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	ADDENDUMS / REVISIONS			US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD		CONTRACT T20091303	BRIDGE NO. SC1419	STA. 478 + 00 CANTILEVER SIGN STRUCTURES ELEVATION	SHEET NO. 1109
					COUNTY NEW CASTLE	DESIGNED BY: MJM	TOTAL SHTS. 1256		
					CHECKED BY: RMG				

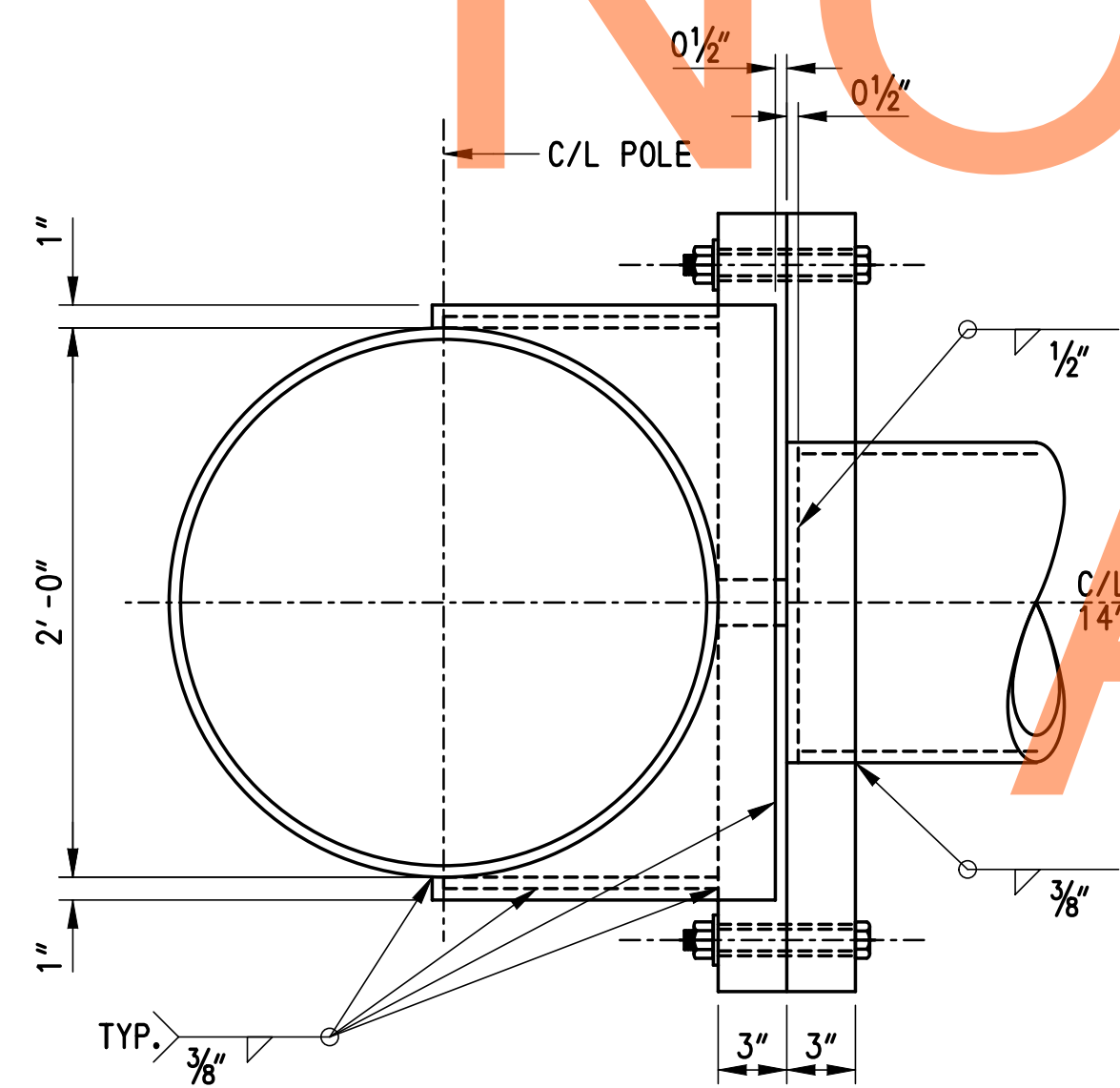


DETAIL 2
SCALE: 1 1/2" = 1'-0"

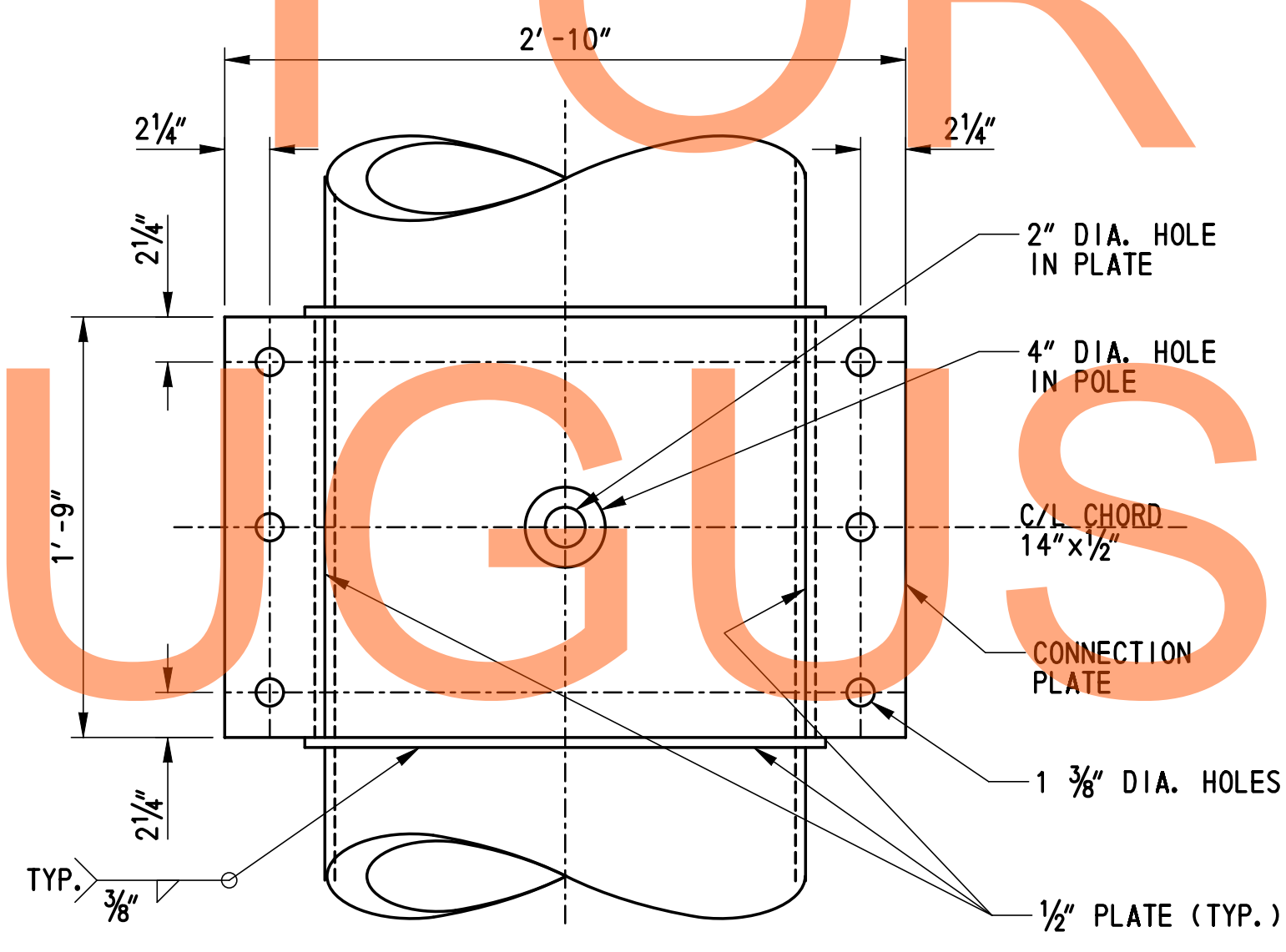


DETAIL 3
SCALE: 1 1/2" = 1'-0"

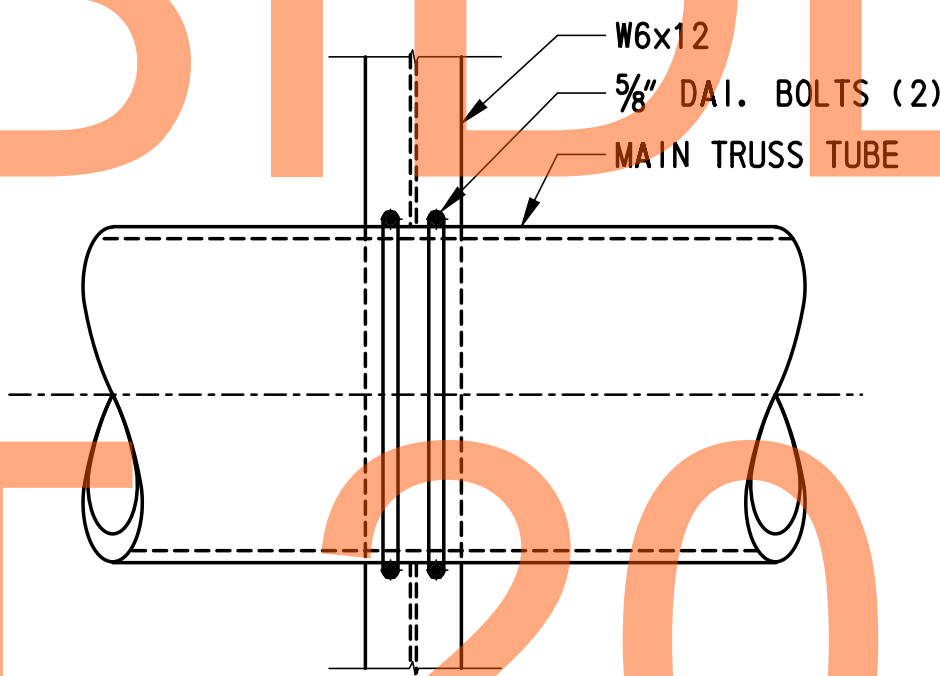
ELEVATION
SCALE: 3/4" = 1'-0"



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



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



DETAIL 4
SCALE: 1 1/2" = 1'-0"

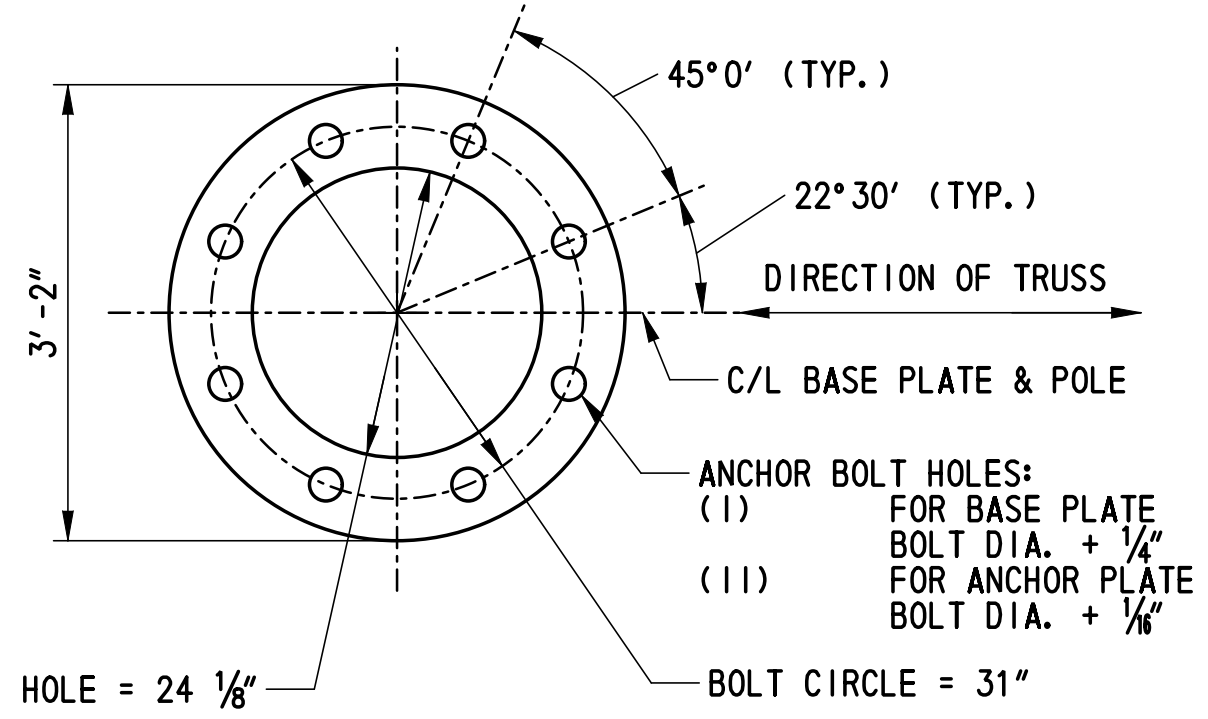
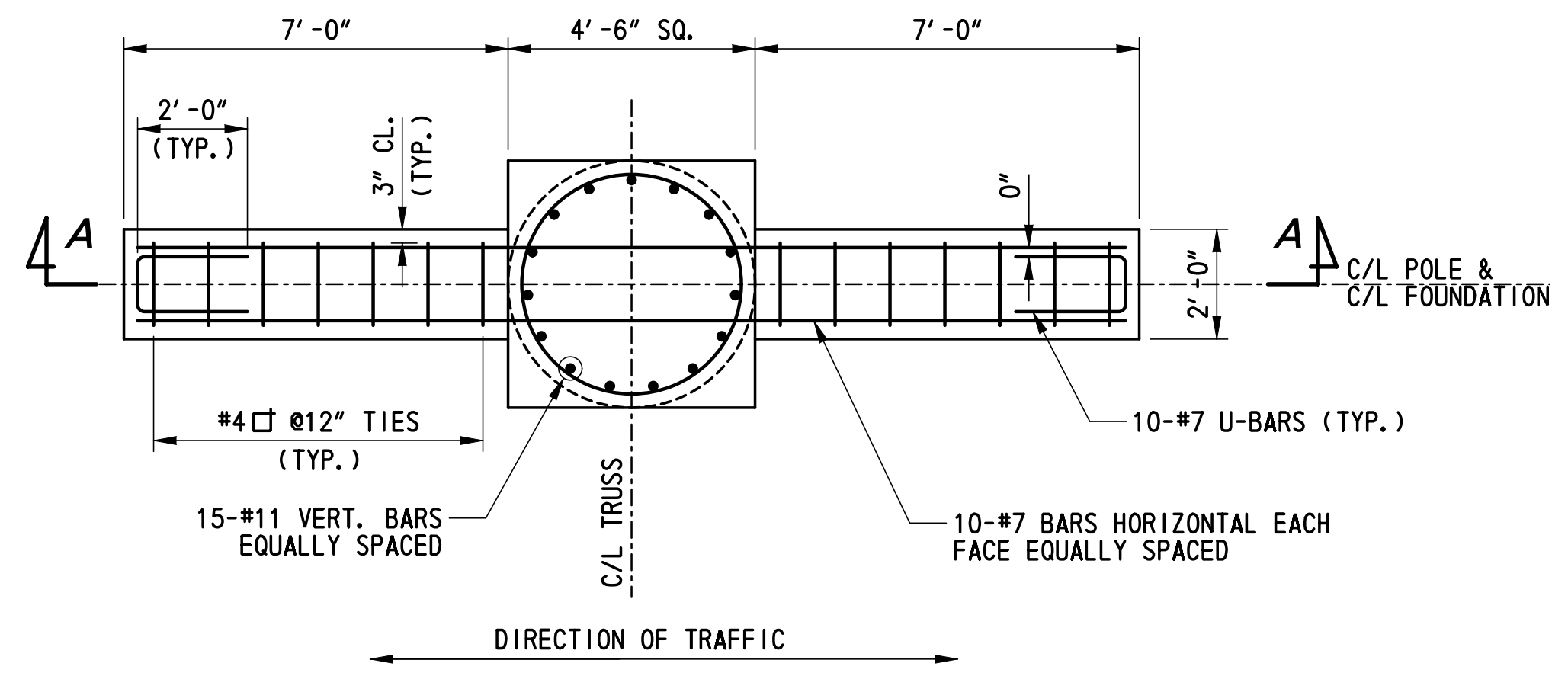
- NOTES:**
- FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 - TO PREVENT INTERSECTING FILLET WELDS ON OPPOSITE SIDES OF COMMON PLANE, PROVIDE A WELD "HOLDBACK" AT THE EDGE OF THE GUSSET PLATE IN THE BRACING MEMBERS EQUAL TO THE MINIMUM WELD SIZE REQUIRED. ENSURE MINIMUM TOTAL WELD LENGTH ARE ACHIEVED.

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ADDENDUMS / REVISIONS	

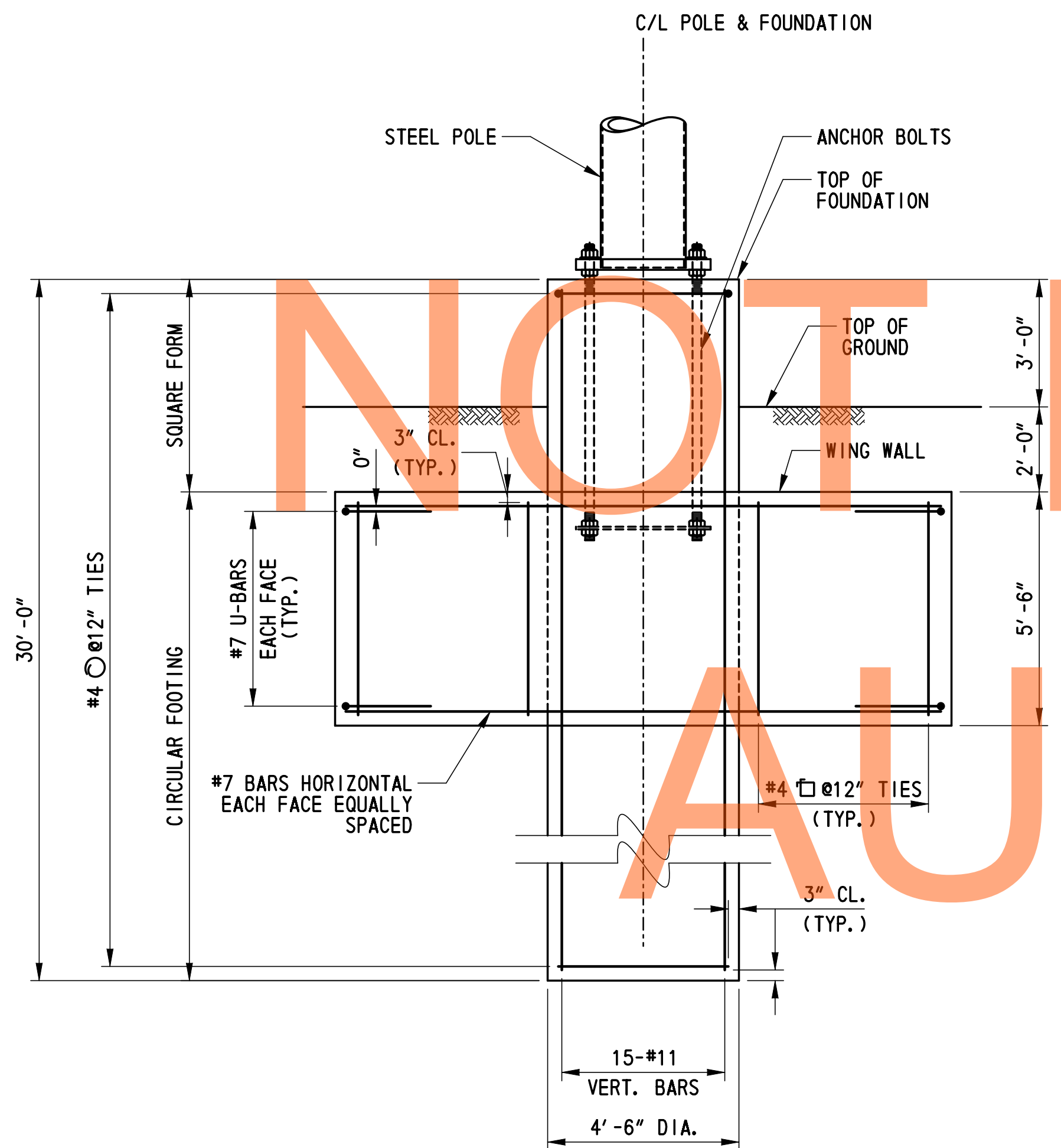
CONTRACT	BRIDGE NO.	*
T20091303	DESIGNED BY:	MJM
COUNTY	CHECKED BY:	RMG
NEW CASTLE		

DRAFT
NOT FOR BIDDING
AUGUST 2015

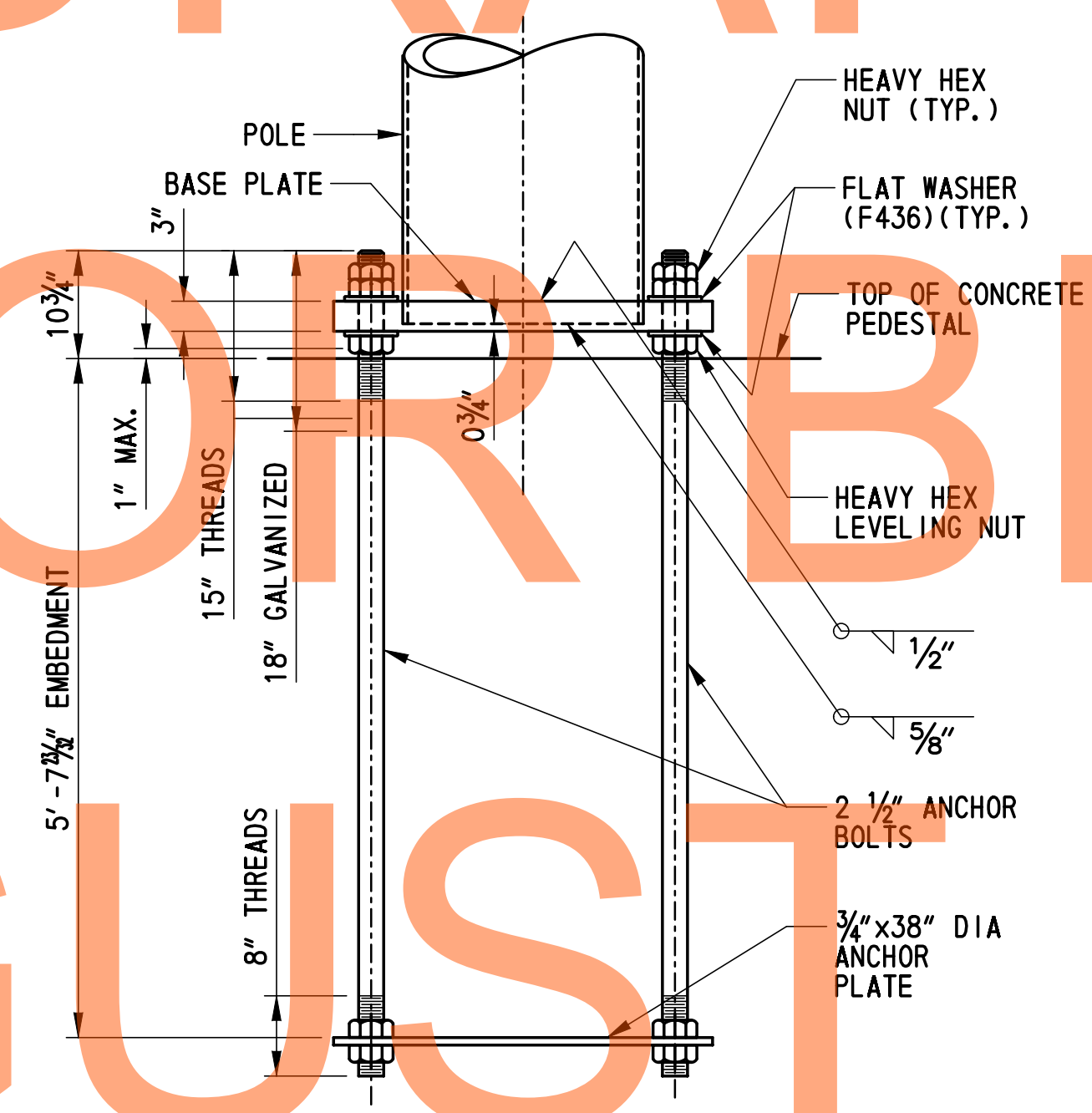


PLAN
SCALE: 3/8" = 1'-0"

BASE PLATE PLAN VIEW



SECTION A-A
SCALE: 3/8" = 1'-0"



SECTION

BASE PLATE & ANCHOR PLATE DETAIL
SCALE: 3/4" = 1'-0"

DRAFT
NOT FOR BIDDING
AUGUST 2015

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.
 - ALL ANCHOR BOLTS SHALL BE PLUMB AFTER FOUNDATION INSTALLATION. STEEL TEMPLATE PLATE SHALL BE USED TO SET ANCHOR BOLTS.
 - BASE PLATE SHALL BE IN FULL CONTACT WITH ALL FLAT WASHERS.
 - ALL ANCHOR BOLT NUTS SHALL BE TIGHTENED USING TURN OF NUT METHOD. (30° MIN. TO 45° MAX. TURN AFTER SNUG TIGHT).
 - GROUT SHALL NOT BE PLACED BETWEEN THE BASE PLATE AND CONCRETE BASE.
 - FOR FOUNDATION DETAILS REFER TO CANTILEVER STRUCTURE FOUNDATION DATA.

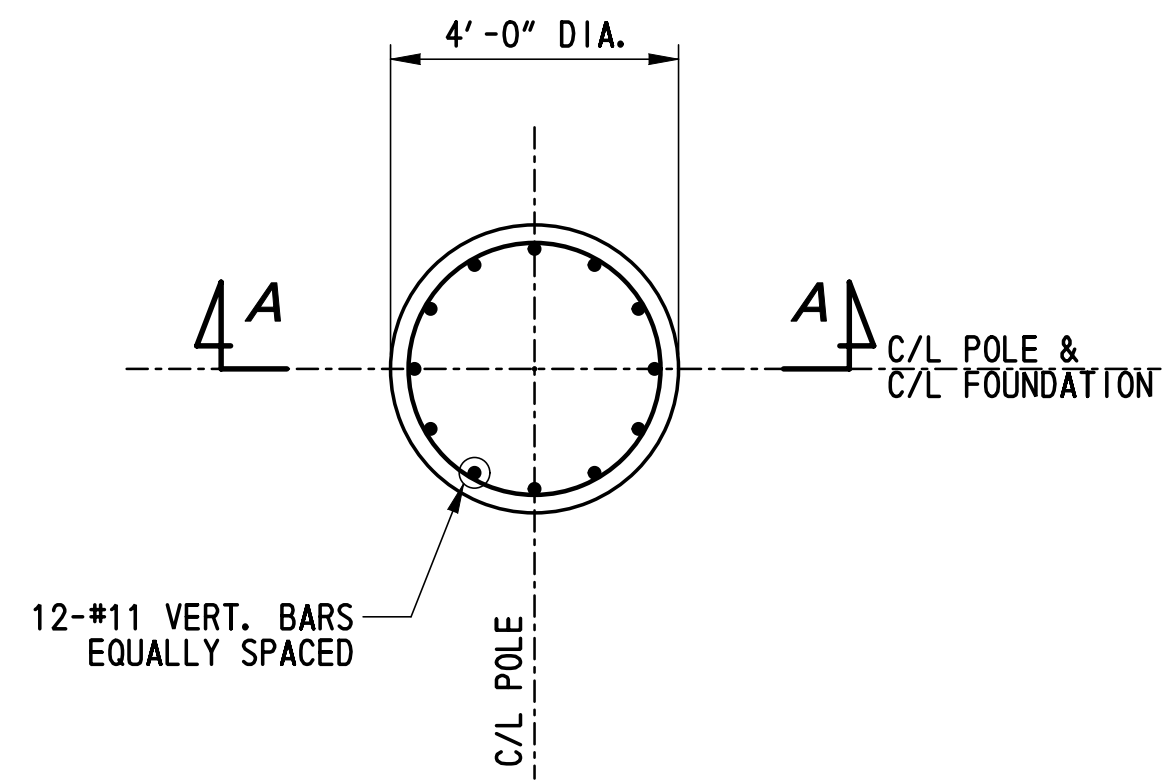
* SC1415, SC1417, SC1418, SC1419

ADDENDUMS / REVISIONS	

CONTRACT	BRIDGE NO.	*
T20091303	DESIGNED BY: MJM	
COUNTY	CHECKED BY: RMG	
NEW CASTLE		

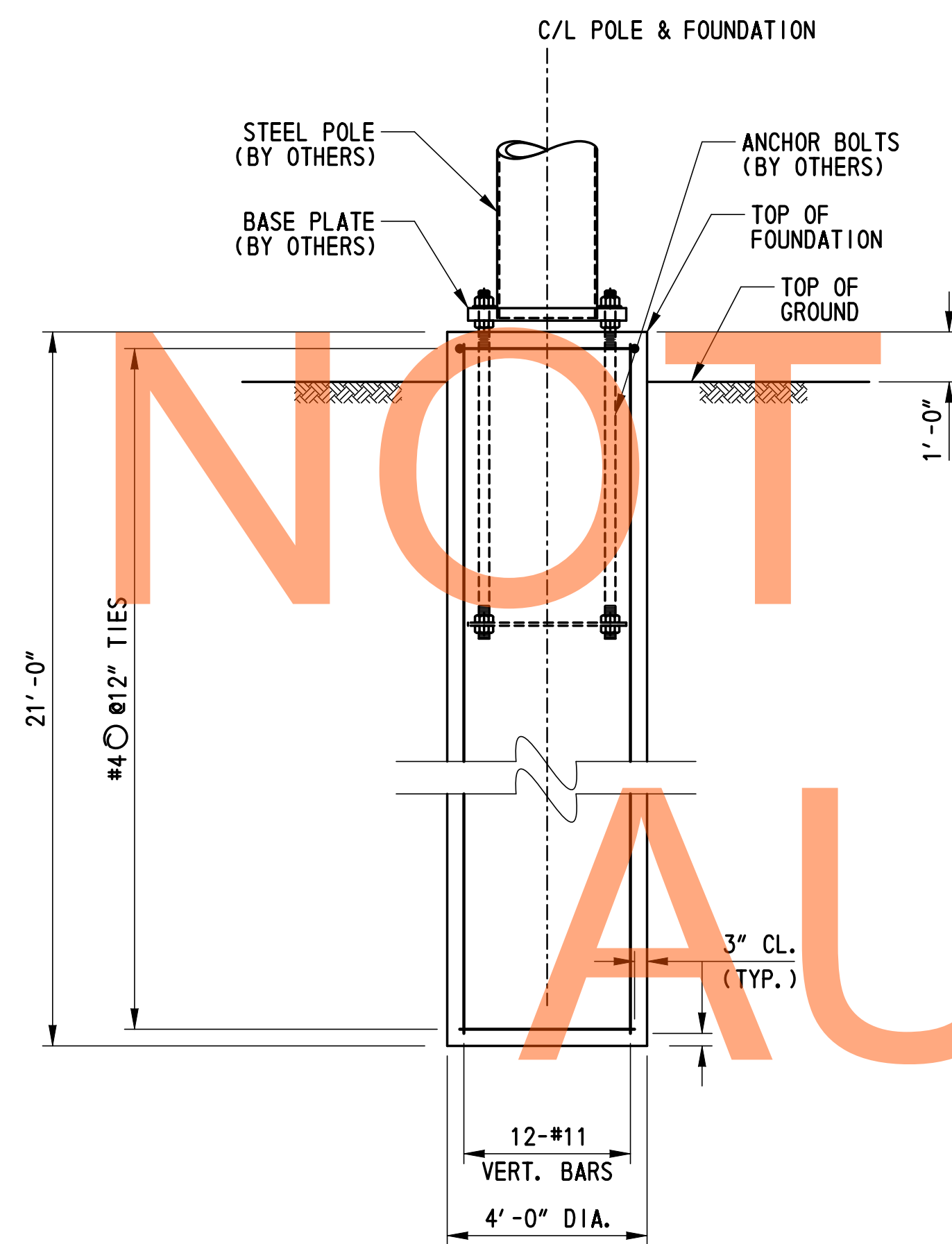
SS-77
SHEET NO.
1111
TOTAL SHTS.
1256

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PLAN

SCALE: 3/8" = 1'-0"



SECTION A-A

SCALE: 3/8" = 1'-0"

DRAFT

NOT FOR BIDDING

AUGUST 2015

NOTES:

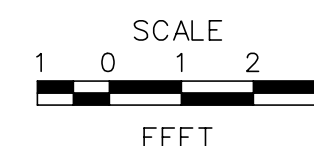
1. FOR GENERAL NOTES, SEE SHEET SS-65 & SS-66.

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ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: MJM
NEW CASTLE	CHECKED BY: RMG

CCTV POLE FOUNDATION

SS-78
SHEET NO.
1112
TOTAL SHTS.
1256