

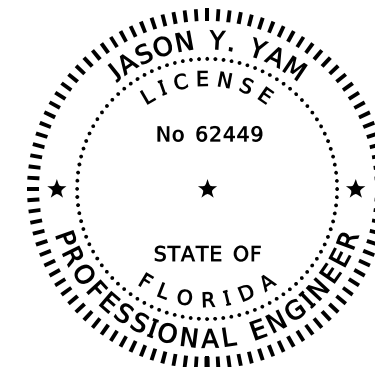
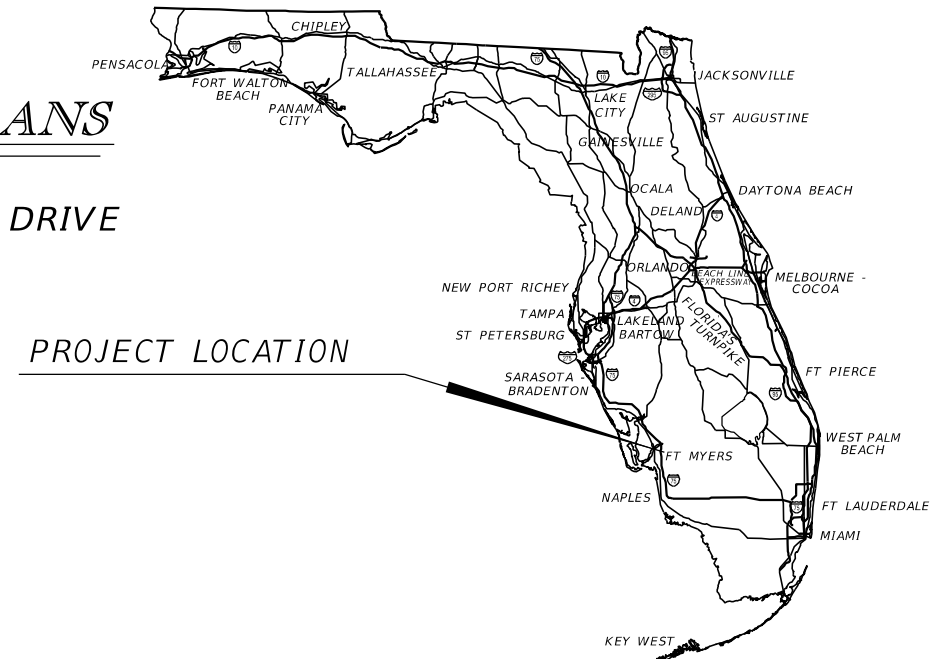
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLANS

*GATEWAY BOULEVARD AT GRIFFIN DRIVE/FAIRWAY LAKES DRIVE
INTERSECTION CONTROL (ROUNDBOUT)*

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
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S-3	PROJECT NOTES AND DETAILS
S-4 THRU S-9	SIGNING AND PAVEMENT MARKINGS
S-10	GUIDE SIGN WORKSHEET



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL
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THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

**SIGNING AND PAVEMENT MARKING
PLANS ENGINEER OF RECORD:**

JASON Y. YAM, P.E.
P.E. NO.: 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759
(727) 531-3505
CERTIFICATE OF AUTHORIZATION NO.: 29915

COUNTY PROJECT MANAGER:
Alejandro J. Slaibe, P.E.


60% PLANS
MARCH 2020
(NOT FOR CONSTRUCTION)

CIP NO.	FISCAL YEAR	SHEET NO.
200671	20	S-1

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-4		S-5		S-6		S-7		S-8		S-9		PLAN	FINAL	PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
654-2-21	RECTANGULAR RAPID FLASHING BEACON, F&I-SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS															1		1	
654-2-22	RECTANGULAR RAPID FLASHING BEACON, F&I-SOLAR POWERED, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS															1		1	
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS															1		1	
700-1-60	SINGLE POST SIGN, REMOVE	AS															1		1	
700-2-11	MULTI-POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS															1		1	
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF															1		1	
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS															1		1	
*	RETRO-REFLECTIVE PAVEMENT MARKERS - BI-DIRECTIONAL WHITE/RED	EA																		
*	RETRO-REFLECTIVE PAVEMENT MARKERS - BI-DIRECTIONAL YELLOW/YELLOW	EA																		
*	STANDARD, WHITE, SOLID, 6"	GM																		
*	STANDARD, WHITE, SOLID, 8"	GM																		
*	STANDARD, WHITE, SOLID, 12"	LF																		
*	STANDARD, WHITE, SOLID, 18"	LF																		
*	STANDARD, WHITE, SOLID, 24"	LF																		
*	STANDARD, YELLOW, SOLID, 6"	GM																		
*	STANDARD, YELLOW, SOLID, 18"	LF																		
*	STANDARD, WHITE, 10-30 SKIP, 6"	GM																		
*	STANDARD, WHITE, 2-2 DOTTED GUIDELINE, 12" FOR ROUNDABOUT	GM																		
*	STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM																		
*	STANDARD, YELLOW, 6-10 DOTTED EXTENSION LINE, 6"	GM																		
*	STANDARD WHITE MESSAGE																			
*	YIELD	EA																		
*	LEFT	EA																		
*	THROUGH	EA																		
*	THROUGH / RIGHT	EA																		
*	THROUGH / LEFT ROUNDABOUT	EA																		
*	THROUGH / LEFT	EA																		
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF															1		1	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM															1		1	
711-11-144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED GUIDELINE, 12" FOR ROUNDABOUT	GM															1		1	
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF															1		1	
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED EXTENSION LINE, 6"	GM															1		1	
711-14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF															1		1	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK/STOPBAR	LF															1		1	
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE																			
	YIELD	EA															1		1	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW																			
	LEFT	EA															1		1	
	THROUGH	EA															1		1	
	THROUGH / RIGHT	EA															1		1	
	THROUGH / LEFT ROUNDABOUT	EA															1		1	
	THROUGH / LEFT	EA															1		1	
711-16-101	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 6"	GM															1		1	
711-16-102	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 8"	GM															1		1	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM															1		1	
711-16-201	THERMOPLASTIC, STANDARD, OTHER SURFACES, YELLOW, SOLID, 6"	GM															1		1	

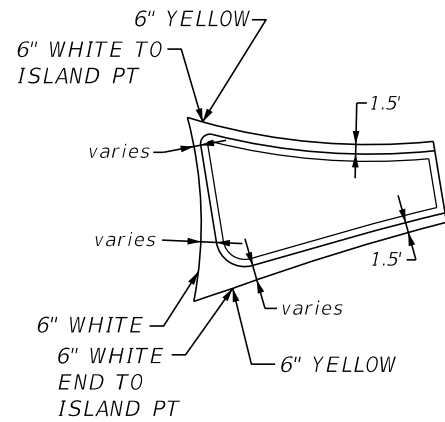
* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS				JASON Y. YAM, P.E. P.E. LICENSE NUMBER 62449 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FLORIDA 33759 CERTIFICATE OF AUTHORIZATION 29915		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			TABULATION OF QUANTITIES	200672	S-2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SIGNING AND PAVEMENT MARKING NOTES:

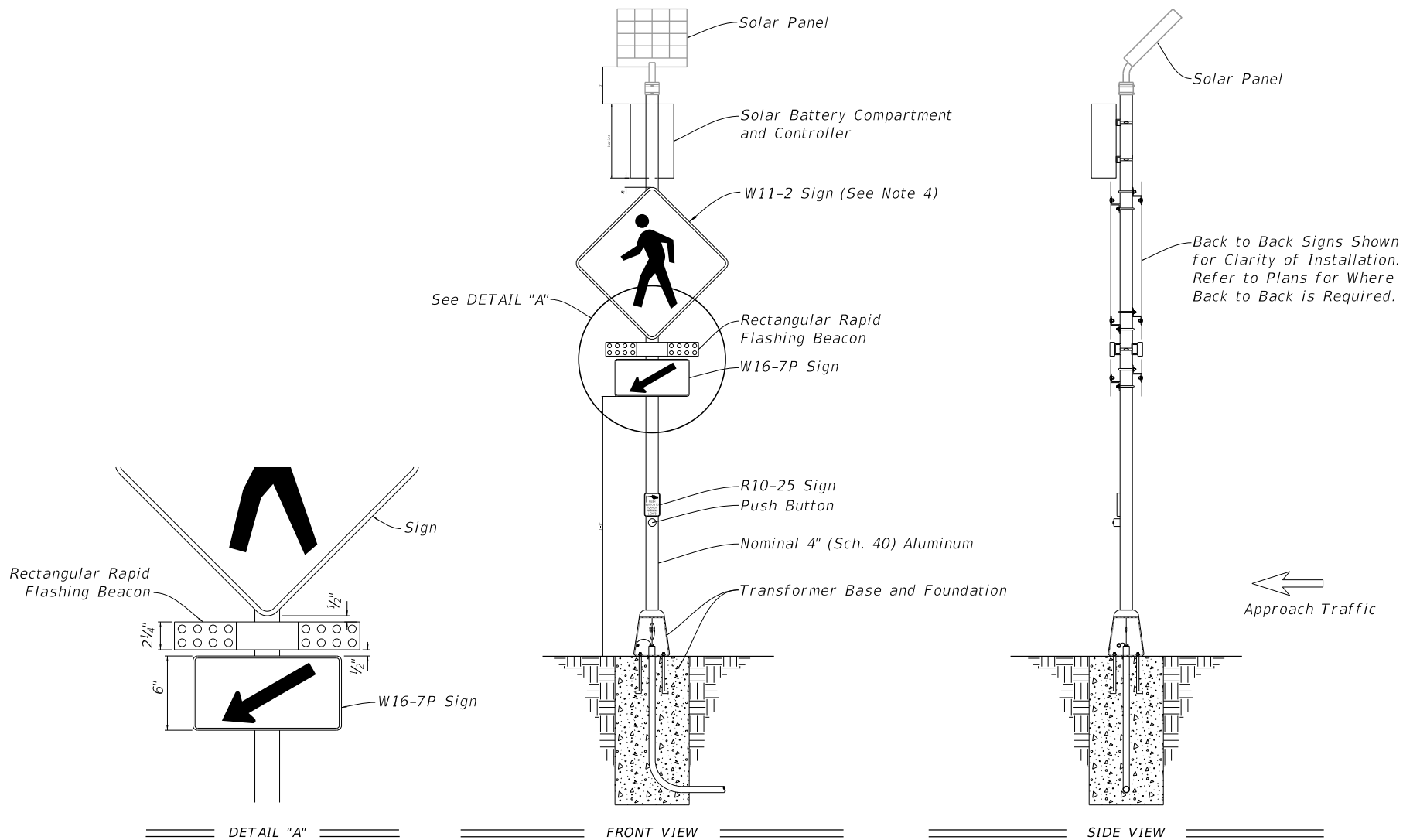
1. SIGNS SHALL BE PLACED BASED ON FDOT STANDARD PLANS INDEX NO. 700-101, UNLESS OTHERWISE NOTED ON PLANS. ALL SIGNS MOUNTED OVER SIDEWALKS SHALL HAVE A VERTICAL CLEARANCE OF EIGHT FEET (8') STANDARD.
2. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL CROSSWALKS SHALL BE TEN FEET (10') IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
3. ALL PAVEMENT MARKINGS AND CROSSING MARKINGS ARE TO CONFORM TO FDOT STANDARD PLANS INDEX NO. 711-001 AND 711-002 UNLESS OTHERWISE SHOWN ON PLANS.
4. REFER TO FDOT STANDARD PLANS INDEX NO. 706-001 FOR PLACEMENT, TYPE AND SPACING OF ALL REFLECTIVE PAVEMENT MARKERS (RPM'S) UNLESS OTHERWISE SHOWN ON PLANS.
5. FINAL ASPHALT COURSE SHALL HAVE TEMPORARY PAVEMENT MARKINGS FOR 14 DAYS PRIOR TO INSTALLATION OF FINAL (PERMANENT) THERMOPLASTIC MARKINGS.
6. ALL THE TEMPORARY PAVEMENT MARKINGS NOT FULLY COVERED BY THE PERMANENT PAVEMENT SHALL BE REMOVED PRIOR TO INSTALLING FINAL (PERMANENT) THERMOPLASTIC MARKINGS.
7. PAVEMENT MARKING AROUND THE NOSES OF ROUNDABOUT MEDIAN ISLANDS SHALL BE COMPLETED AS SHOWN IN THE MEDIAN ISLAND DETAIL BELOW, UNLESS OTHERWISE SHOWN ON THE PLANS.
8. PAY ITEM 700-1-11: ALL SIGN POSTS SHALL BE SELECTED USING THE PROCESS DESCRIBED IN FDOT STANDARD PLANS INDEX NO. 700-010. ALL SIGN REFLECTIVE SHEETING SHALL BE TYPE 11 DIAMOND GRADE.



MEDIAN ISLAND DETAIL (TYP.)

RRFB NOTES:

1. A TRANSFORMER BASE IS REQUIRED FOR BOTH CONVENTIONALLY-POWERED AND SOLAR-POWERED APPLICATIONS.
2. INSTALL THE RRFB IN PAIRS, ONE ON EITHER SIDE OF APPROACH TRAFFIC.
3. INSTALL CONTROLLER ON THE BACKSIDE OF POST FROM APPROACH TRAFFIC.
4. INSTALL A 30" X 30" W11-2 SIGN ON TWO-LANE ROADWAYS AND A 36" X 36" W11-2 SIGN FOR MULTILANE ROADWAYS.
5. INSTALL PUSH BUTTON AND R10-25 SIGN IN ACCORDANCE WITH INDEX 665-001.
6. ENGAGE ALL THREADS ON THE TRANSFORMER BASE AND POST UNLESS THE ALUMINUM POST IS FULLY SEATED INTO BASE.
7. MEET THE REQUIREMENTS OF SPECIFICATION 646 FOR ALUMINUM POLES AND TRANSFORMER BASES.
8. INSTALL A CONCRETE SLAB AROUND ALL PULL BOXES. THE MINIMUM SLAB DIMENSION IS 4'-0" BY 4'-0". IN URBAN AREAS WHERE SPACE IS LIMITED SLAB DIMENSIONS MAY BE ADJUSTED AS SHOWN IN THE PLANS.
9. FOR ASSEMBLIES CONNECTED TO CONVENTIONAL POWER, PROVIDE SINGLE POLE NON-FUSED WATERTIGHT BREAKAWAY ELECTRICAL CONNECTORS IN THE FRANGIBLE TRANSFORMER BASE.
10. WHEN WIRE ENTRY HOLES ARE DRILLED IN THE SIGN COLUMN, USE A BUSHING OR RUBBER GROMMET TO PROTECT CONDUCTORS.
11. FOR SOLAR-POWERED APPLICATIONS, ORIENT SOLAR PANEL TO FACE SOUTH FOR OPTIMAL EXPOSURE TO SUNLIGHT.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

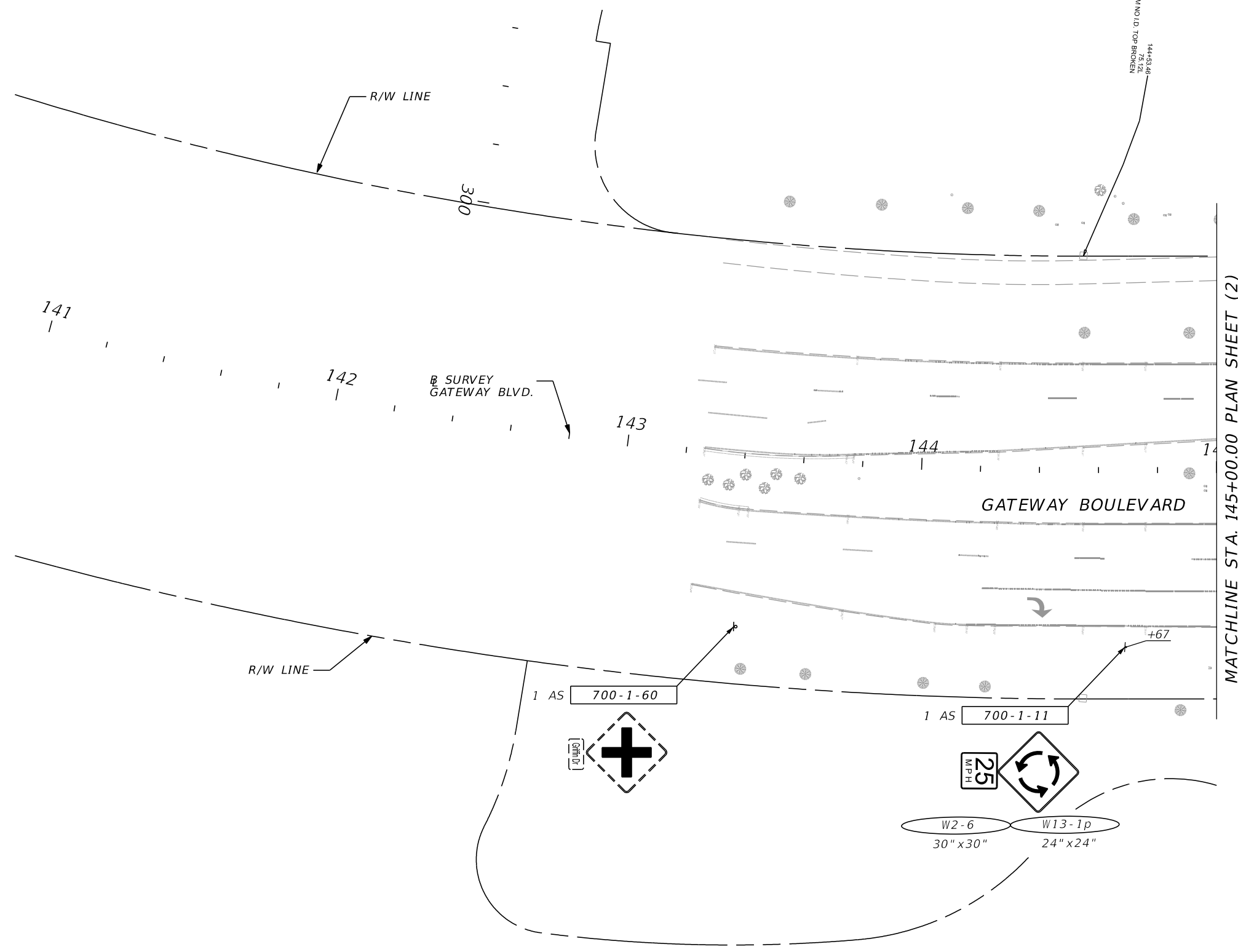
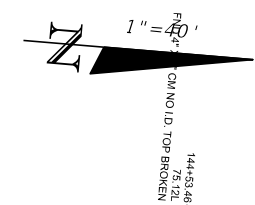
JASON Y. YAM, P.E.
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CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915



GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)
PROJECT NOTES AND DETAILS

COUNTY PROJECT NO.	SHT. NO.
200672	S-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 145+00.00 PLAN SHEET (2)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

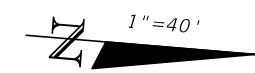
JASON Y. YAM, P.E.
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 380 PARK PLACE BOULEVARD, SUITE 300
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GATEWAY BOULEVARD AT GRIFFIN DRIVE
 INTERSECTION CONTROL (ROUNDABOUT)
SIGNING AND PAVEMENT MARKINGS (1)

COUNTY PROJECT NO.	SHT. NO.
200672	S-4

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- (A) 700-1-11 8 AS
R1-2
36" x 36" x 36"
- (B) 654-2-21 8 AS
W16-7PL 30" x 18"
W11-2 36" x 36"

1 EA

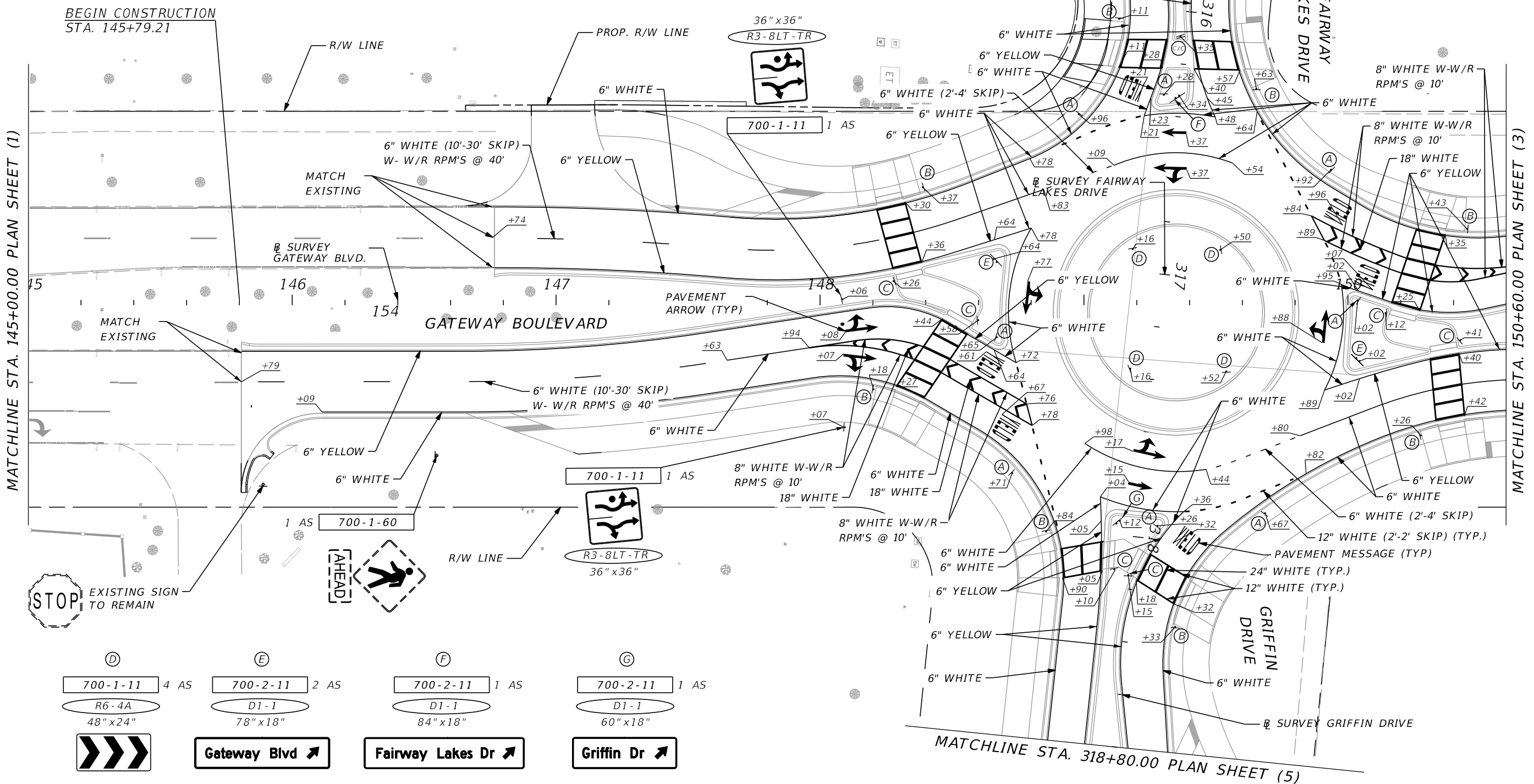
1 EA
- (C) 654-2-21 6 AS
W16-7PR 30" x 18"
W11-2 36" x 36"

1 EA

1 EA
- (E/C) 654-2-22 1 AS
W16-7PR 30" x 18"
W11-2 36" x 36"

2 EA

2 EA



STOP EXISTING SIGN TO REMAIN

- (D) 700-1-11 4 AS
R6-4A
48" x 24"
- (E) 700-2-11 2 AS
D1-1
78" x 18"
- (F) 700-2-11 1 AS
D1-1
84" x 18"
- (G) 700-2-11 1 AS
D1-1
60" x 18"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

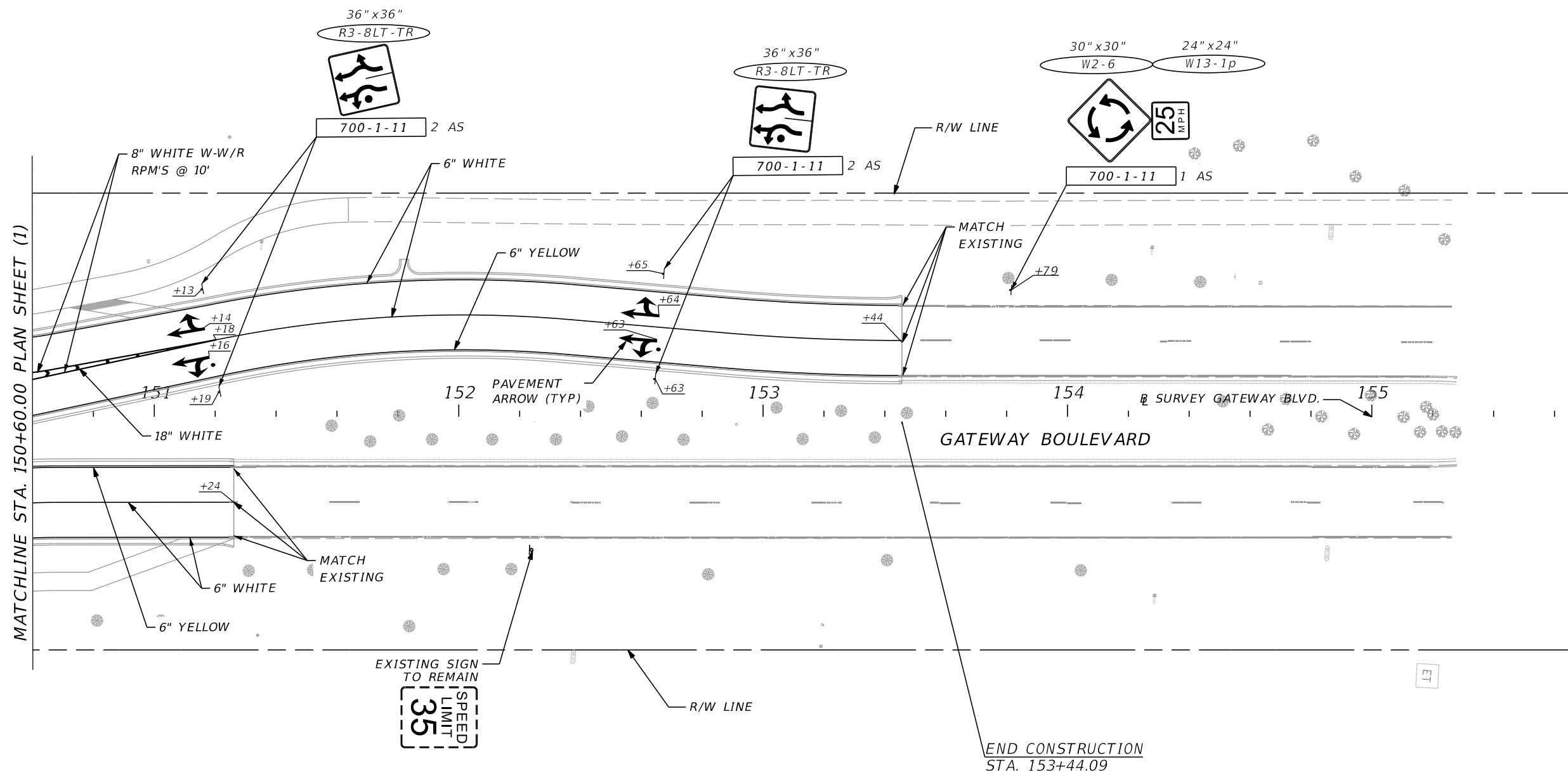
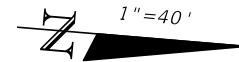
JASON Y. YAM, P.E.
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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDAABOUT)
SIGNING AND PAVEMENT MARKINGS (2)

COUNTY PROJECT NO.	SHT. NO.
200672	S-5

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MATCHLINE STA. 150+60.00 PLAN SHEET (1)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

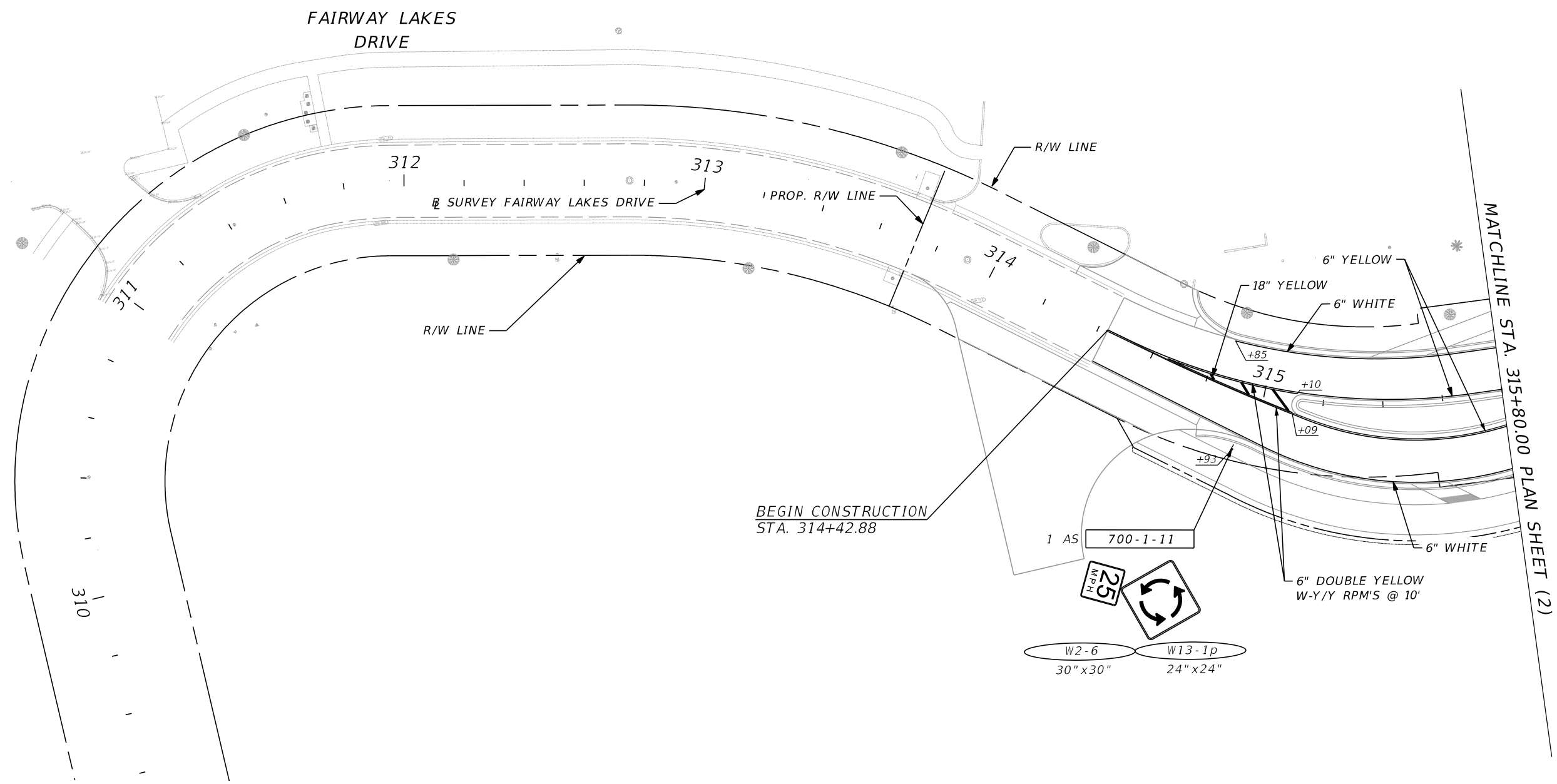
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 380 PARK PLACE BOULEVARD, SUITE 300
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GATEWAY BOULEVARD AT GRIFFIN DRIVE
 INTERSECTION CONTROL (ROUNDBABOUT)
SIGNING AND PAVEMENT MARKINGS (3)

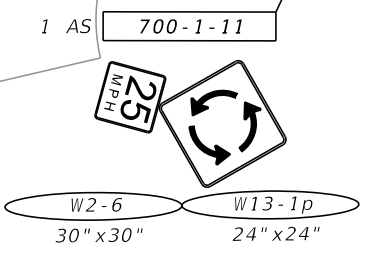
COUNTY PROJECT NO.	SHT. NO.
200672	S-6

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MATCHLINE STA. 315+80.00 PLAN SHEET (2)

BEGIN CONSTRUCTION
STA. 314+42.88



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

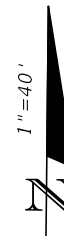
JASON Y. YAM, P.E.
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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)
SIGNING AND PAVEMENT MARKINGS (4)

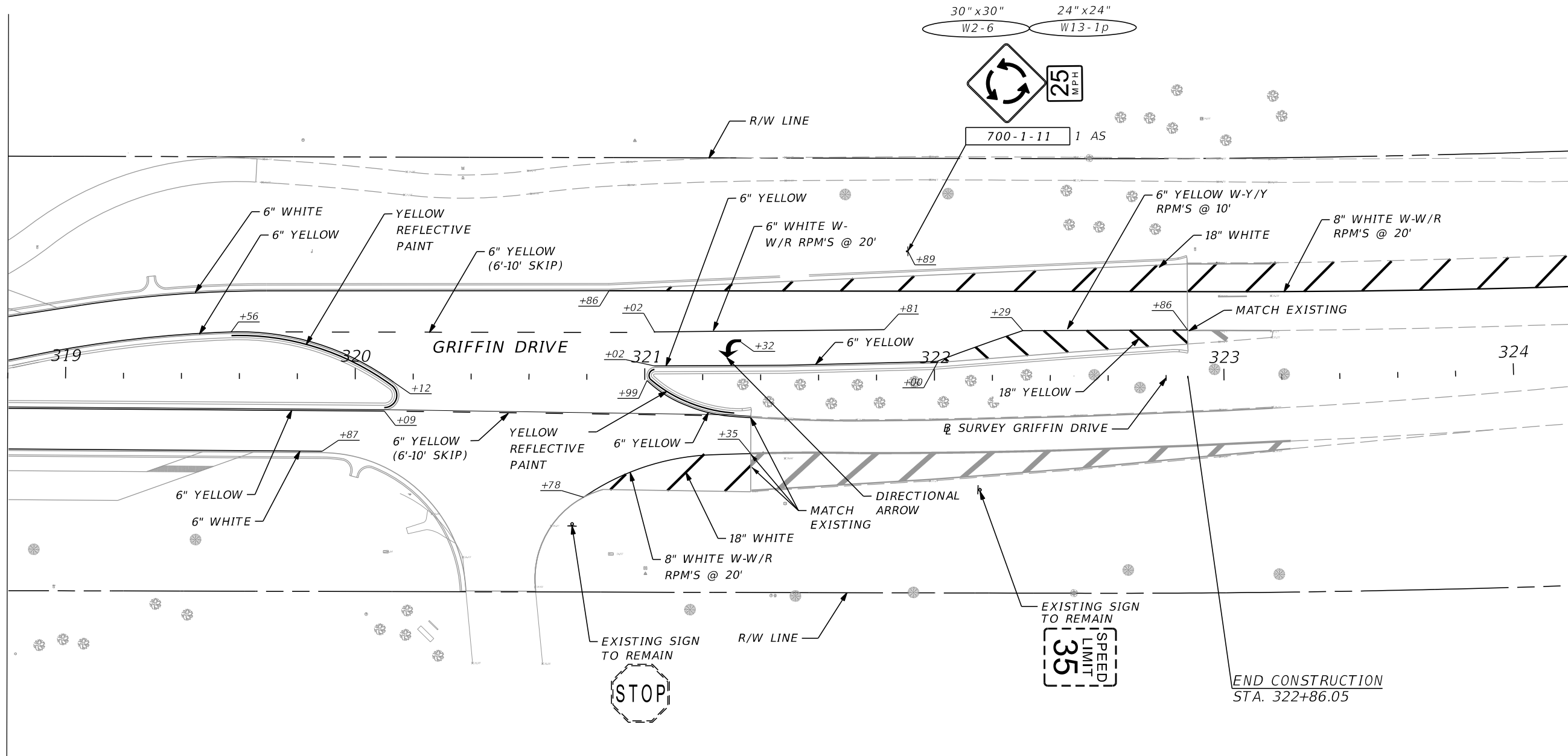
COUNTY PROJECT NO.	SHT. NO.
200672	S-7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 318+80.00 PLAN SHEET (2)

MATCHLINE STA. 324+20.00 PLAN SHEET (6)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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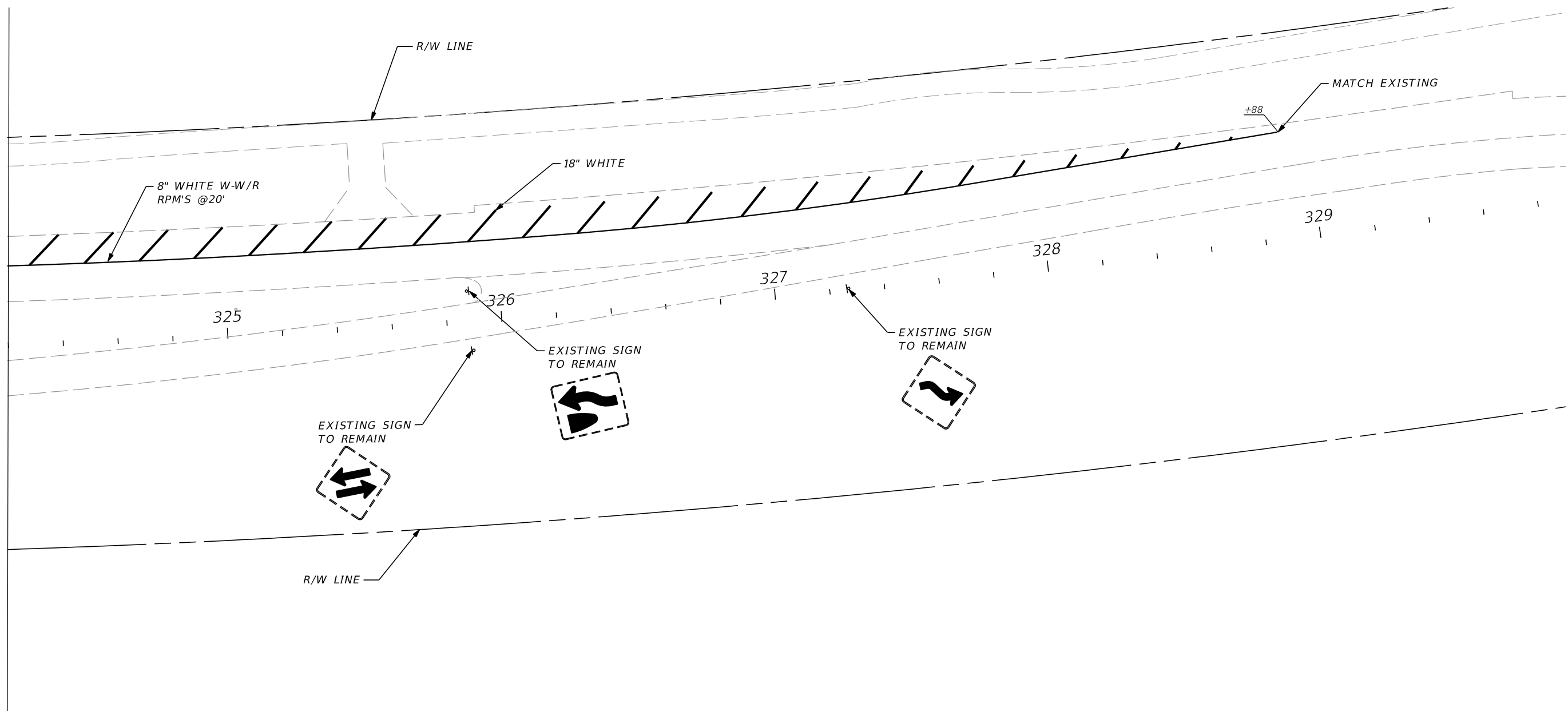


GATEWAY BOULEVARD AT GRIFFIN DRIVE
 INTERSECTION CONTROL (ROUNDBOUT)
**SIGNING AND PAVEMENT
 MARKINGS (5)**

COUNTY PROJECT NO.	SHT. NO.
200672	S-8

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MATCHLINE STA. 324+20.00 PLAN SHEET (5)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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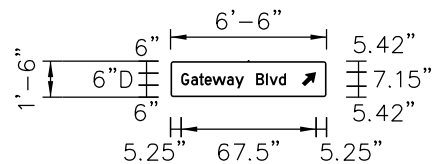


GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDBOUT)
SIGNING AND PAVEMENT
MARKINGS (6)

COUNTY PROJECT NO.	SHT. NO.
200672	S-9

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SIGN NAME	E (D1-1d)	QTY	2	SIGN NUMBER		STATION(S)	148+64
PANEL	BORDER						
WIDTH	6'-6"	WIDTH	0.75"				150+02
HEIGHT	1'-6"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type	D	315	65.6	5.4	6	9	

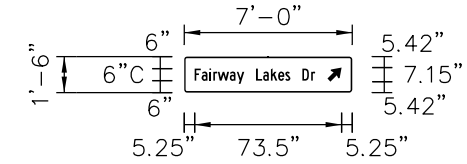


BORDER
R=1.5"
TH=0.75"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	G	a	t	e	w	a	y	B	l	v	d	L								
SPACE	5.3	10.2	14.3	17.1	21	28.2	32.3	36.8	42.8	47.7	49.4	54.2	52.5							

SIGN NAME	F (D1-1d)	QTY	1	SIGN NUMBER		STATION(S)	149+34
PANEL	BORDER						
WIDTH	7'-0"	WIDTH	0.75"				
HEIGHT	1'-6"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type	D	315	71.6	5.4	6	9	

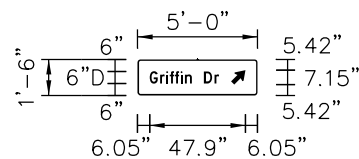


BORDER
R=1.5"
TH=0.75"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	F	a	i	r	w	a	y	L	a	k	e	s	D	r	L					
SPACE	5.3	8.7	12.6	14.6	16.8	22.8	26.3	30	36	39.5	43.4	47	50.6	53.1	59.1	63.5	60.2			

SIGN NAME	G (D1-1d)	QTY	1	SIGN NUMBER		STATION(S)	149+12
PANEL	BORDER						
WIDTH	5'-0"	WIDTH	0.75"				
HEIGHT	1'-6"	RADII	1.5"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type	D	315	46.8	5.4	6	9	



BORDER
R=1.5"
TH=0.75"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	G	r	i	f	f	i	n	D	r	L										
SPACE	6.1	11.3	14.3	16.1	18.7	21.5	23.7	27.2	33.2	38.5	34.7									

SIGN NAME		QTY		SIGN NUMBER		STATION(S)	
PANEL	BORDER						
WIDTH	WIDTH						
HEIGHT	RADII						
LEGEND	COLOR						
COLOR							
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type							

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)
GUIDE SIGN WORKSHEET

COUNTY PROJECT NO. 200672
SHT. NO. S-9