

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 441886-1-52-01

MIAMI-DADE COUNTY (87060000)

STATE ROAD NO. A1A

COLLINS AVENUE AT 36TH, 83RD AND 87TH STREETS

INDEX OF SIGNALIZATION PLANS

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T-10	RECTANGULAR RAPID FLASHING BEACON DETAILS
T-11	ELECTRICAL POWER SERVICE DETAIL
GT-1*	REPORT OF CORE BORINGS

* This sheet is included in the Index of Signalization Plans only to indicate that it is part of the Signalization Plans. This sheet is contained in a separate digitally signed and sealed document.

SIGNALIZATION PLANS

SIGNALIZATION PLANS
ENGINEER OF RECORD:

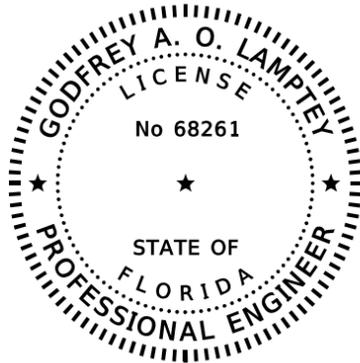
GODFREY LAMPTEY, P.E., PTOE
P.E. NO. 68261
GOAL ASSOCIATES INC.
14750 NW 77TH COURT, SUITE 320
MIAMI LAKES, FLORIDA 33016
(786) 600-3350
CONTRACT NO.: C9T01
VENDOR NO.: F464649215
CERTIFICATE OF AUTHORIZATION NO.: 30697

FDOT PROJECT MANAGER:

LUIS TEJEDA, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E6XXX	23	T-1

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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

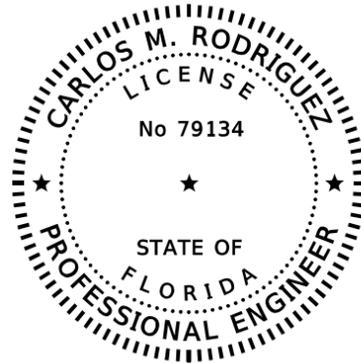
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GOAL ASSOCIATES INC.
14750 NW 77TH COURT, SUITE 320
MIAMI LAKES, FLORIDA 33016
CERTIFICATE OF AUTHORIZATION: 30697
GODFREY A. O. LAMPTEY, P.E. NO. 68261

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5 - T-7	SIGNALIZATION PLANS
T-8	SIGNALIZATION MAST ARM TABULATION
T-10	RECTANGULAR RAPID FLASHING BEACON DETAIL
T-11	ELECTRICAL POWER SERVICE DETAIL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

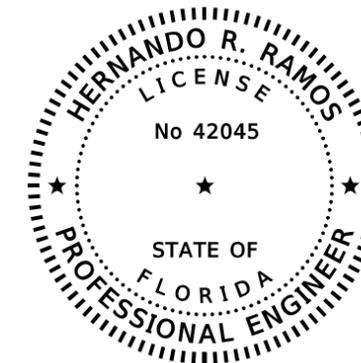
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ASA CONSULTANTS, INC.
510 SHOTGUN ROAD, SUITE 402
SUNRISE, FLORIDA 33236
CERTIFICATE OF AUTHORIZATION: 30932
CARLOS M. RODRIGUEZ, PE NO. 79134

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-9	STANDARD MAST ARM ASSEMBLIES DATA TABLE



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ON THE DATE ADJACENT TO THE SEAL

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HR ENGINEERING SERVICES, INC.
7815 NW 72ND AVENUE
MEDLEY, FLORIDA 33166
CERTIFICATE OF AUTHORIZATION: 7991
HERNANDO R. RAMOS, P.E. NO. 42045

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
GT-1	REPORT OF CORE BORINGS

REVISIONS				GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. T-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR A1A	MIAMI-DADE	441886-1-52-01	

SIGNATURE SHEET

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			T-5		T-6		T-7													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	170		400		400										970		970	
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	60		315		310										685		685	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	11		10		11										32		32	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1		1		1										3		3	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	60		315		310										685		685	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPW P-II SERVICE POLE	EA	1		1		1										3		3	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1		1		1										3		3	
654-2-12	RECTANGULAR RAPID FLASHING BEACON, F&I- AC POWERED, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS	2		2		2										6		6	
654-2-15	RECTANGULAR RAPID FLASHING BEACON, F&I- AC POWER, MAST ARM MOUNT RRFB SIGN ASSEMBLY	AS	3		3		3										9		9	
700-3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2		2		2										6		6	

PAY ITEM NOTE

PAY ITEM 630-2-12 INCLUDES COST OF CONDUIT PLACED UNDER EXISTING PAVEMENT (ROADWAY, DRIVEWAYS, OR SIDEWALK) WHETHER BY DIRECTIONAL BORE OR OPEN TRENCH.

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697</p>			<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR A1A</td> <td>MIAMI-DADE</td> <td>441886-1-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR A1A	MIAMI-DADE	441886-1-52-01	<p align="center">TABULATION OF QUANTITIES</p>				<p align="center">SHEET NO. T-3</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
SR A1A	MIAMI-DADE	441886-1-52-01																										

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GENERAL NOTES:

1. THE SIGNAL MAINTAINING AGENCY IS:

MIAMI DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (DTPW), TRAFFIC SIGNALS & SIGNS DIVISION. THE CONTACT TELEPHONE NUMBER FOR THE DTPW, TRAFFIC SIGNALS & SIGNS DIVISION, IS: (305) 592-3470.

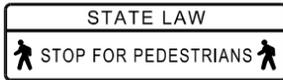
REVISIONS				GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR A1A	MIAMI-DADE		441886-1-52-01

SIGNS DETAILS



RRFB
W11-2
36" X 36"

654-2-15 3 AS



R01-09a
90" X 24"

700-3-202 2 EA

SERVICE POINT ITEMS

635-2-11	3 EA
639-1-122	1 AS
639-2-1	60 LF
641-2-12	1 EA

MAST ARM

632-7-2	65 LF
635-2-11	1 EA
649-21-6	1 EA

RRFB

635-2-11	2 EA
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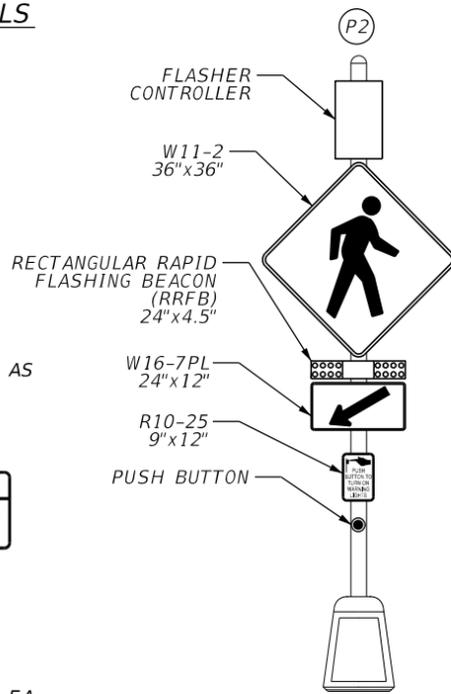
CONDUIT

630-2-12	170 LF
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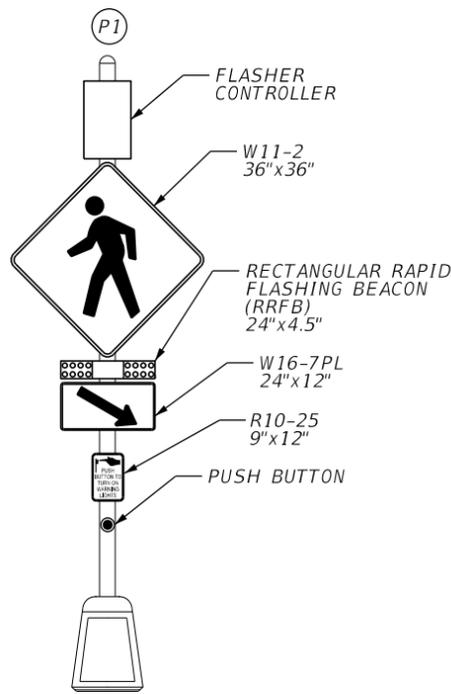
- ① 60 LF (1 RUN, 1 SIGNAL)
- ② 10 LF (1 RUN, 1 SIGNAL)
- ③ 15 LF (1 RUN, 1 SIGNAL)
- ④ 20 LF (1 RUN, 1 POWER)
- ⑤ 40 LF (1 RUN, 1 POWER)
- ⑥ 25 LF (1 RUN, 1 POWER)

PULL BOX

635-2-11	5 EA
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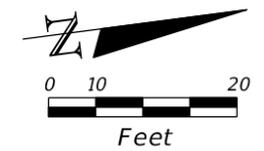
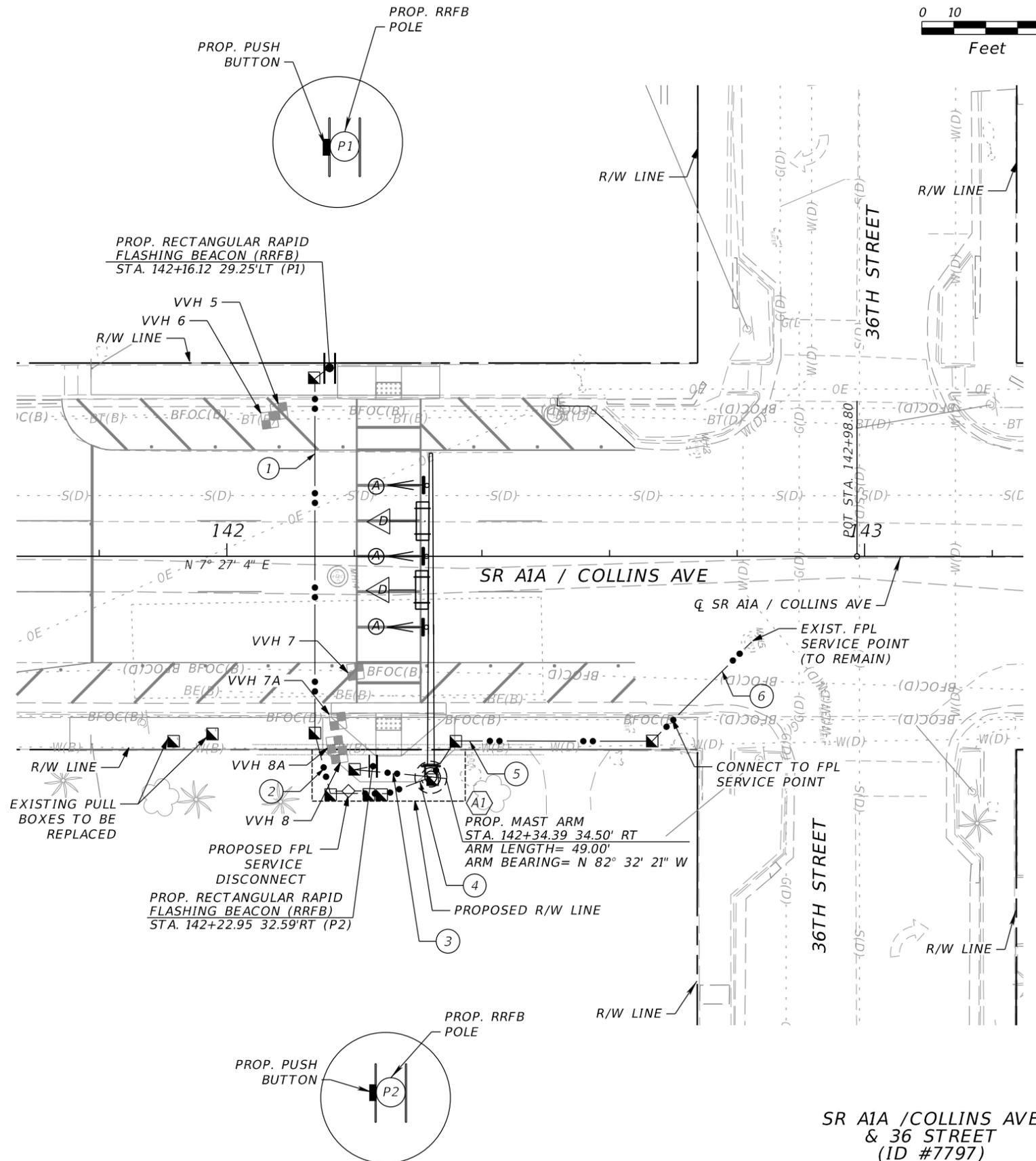
654-2-12 1 AS



654-2-12 1 AS

OPERATION NOTES:

1. MAJOR STREET: SR A1A/ COLLINS AVE
2. PEDESTRIAN FLASHER UPON ACTUATION ONLY
3. PEDESTRIAN FLASHING DURATION SHALL BE 25 SECONDS PER INTERVAL.



SR A1A / COLLINS AVE & 36 STREET (ID #7797)

REVISIONS				GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. T-5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR A1A	MIAMI-DADE	441886-1-52-01	

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SIGNS DETAILS



RRFB
W11-2
36" X 36"

654-2-15 3 AS



R01-09a
90" X 24"

700-3-202 2 EA

SERVICE POINT ITEMS

635-2-11	3 EA
639-1-122	1 AS
639-2-1	315 LF
641-2-12	1 EA

MAST ARM

632-7-2	315 LF
635-2-11	1 EA
649-21-6	1 EA

RRFB

635-2-11	2 EA
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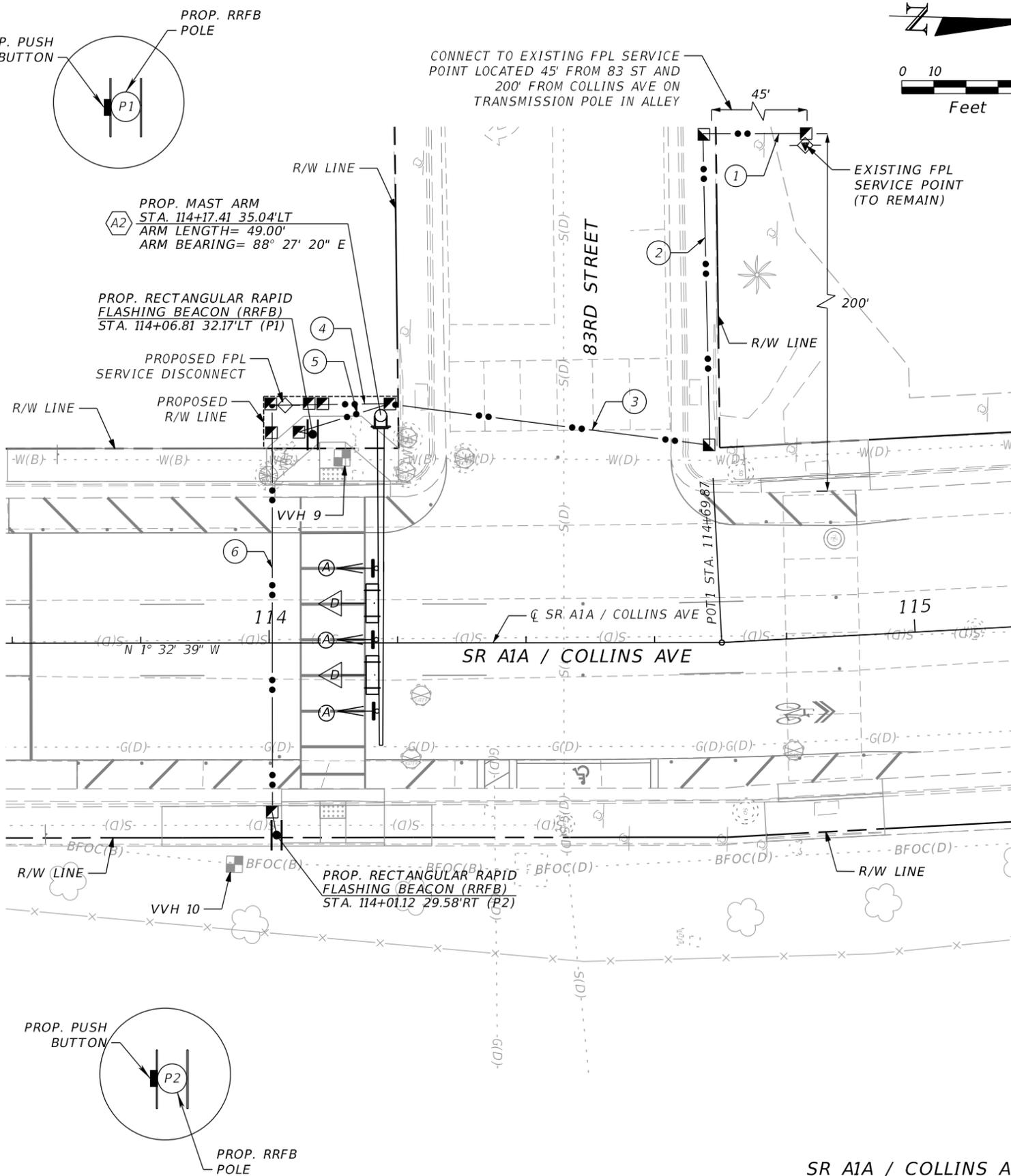
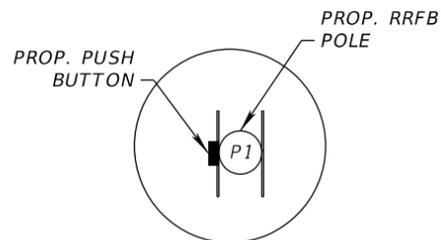
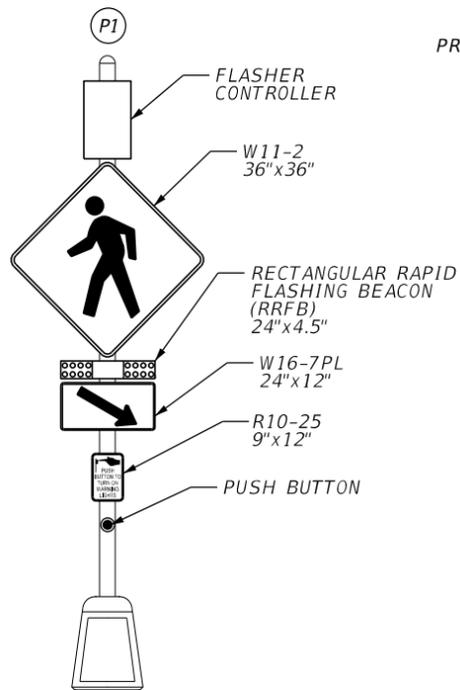
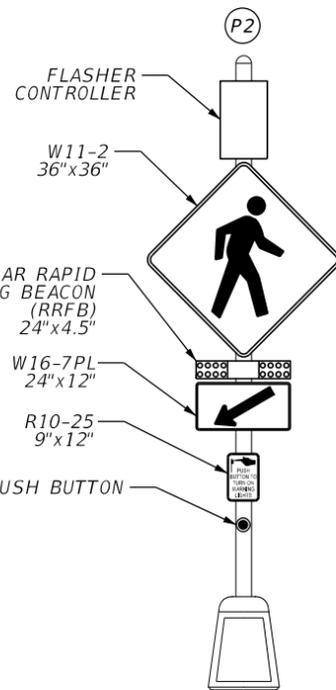
CONDUIT

630-2-12	400 LF
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- ① 45 LF (1 RUN, 1 POWER)
- ② 200 LF (1 RUN, 1 POWER)
- ③ 50 LF (1 RUN, 1 POWER)
- ④ 20 LF (1 RUN, 1 POWER)
- ⑤ 15 LF (1 RUN, 1 SIGNAL)
- ⑥ 70 LF (1 RUN, 1 SIGNAL)

PULL BOX

635-2-11	4 EA
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OPERATION NOTES:

1. MAJOR STREET: SR A1A/ COLLINS AVE
2. PEDESTRIAN FLASHER UPON ACTUATION ONLY
3. PEDESTRIAN FLASHING DURATION SHALL BE 25 SECONDS PER INTERVAL.

**SR A1A / COLLINS AVE
& 83 STREET
(ID #7798)**

REVISIONS				GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN	SHEET NO. T-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR A1A	MIAMI-DADE	441886-1-52-01		

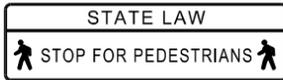
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SIGNS DETAILS



RRFB
W11-2
36" X 36"

654-2-15 3 AS



STATE LAW
R01-09a
90" X 24"

700-3-202 2 EA

SERVICE POINT ITEMS

635-2-11	3 EA
639-1-122	1 AS
639-2-1	310 LF
641-2-12	1 EA

MAST ARM

632-7-2	310 LF
635-2-11	1 EA
649-21-6	1 EA

RRFB

635-2-11	2 EA
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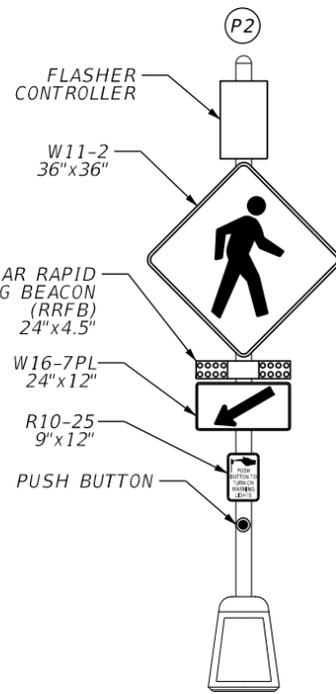
CONDUIT

630-2-12	400 LF
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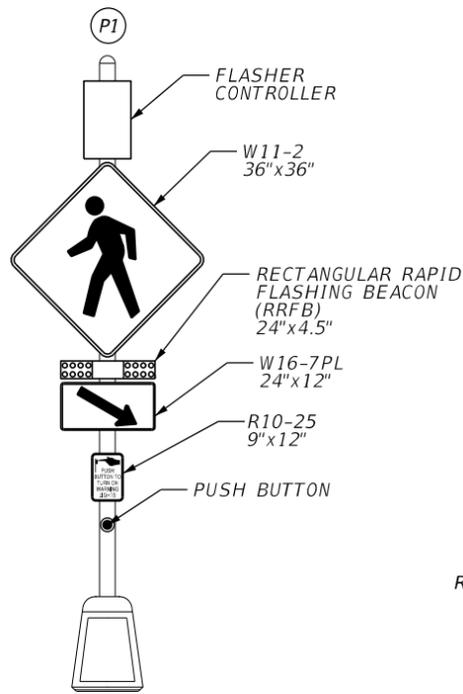
- ① 60 LF (1 RUN, 1 SIGNAL)
- ② 10 LF (1 RUN, 1 SIGNAL)
- ③ 25 LF (1 RUN, 1 POWER)
- ④ 20 LF (1 RUN, 1 SIGNAL)
- ⑤ 15 LF (1 RUN, 1 POWER)
- ⑥ 25 LF (1 RUN, 1 POWER)
- ⑦ 200 LF (1 RUN, 1 POWER)
- ⑧ 45 LF (1 RUN, 1 POWER)

PULL BOX

635-2-11	5 EA
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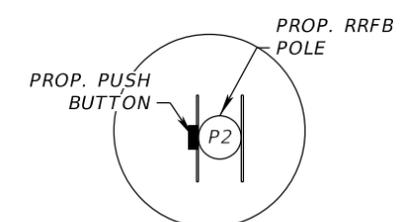
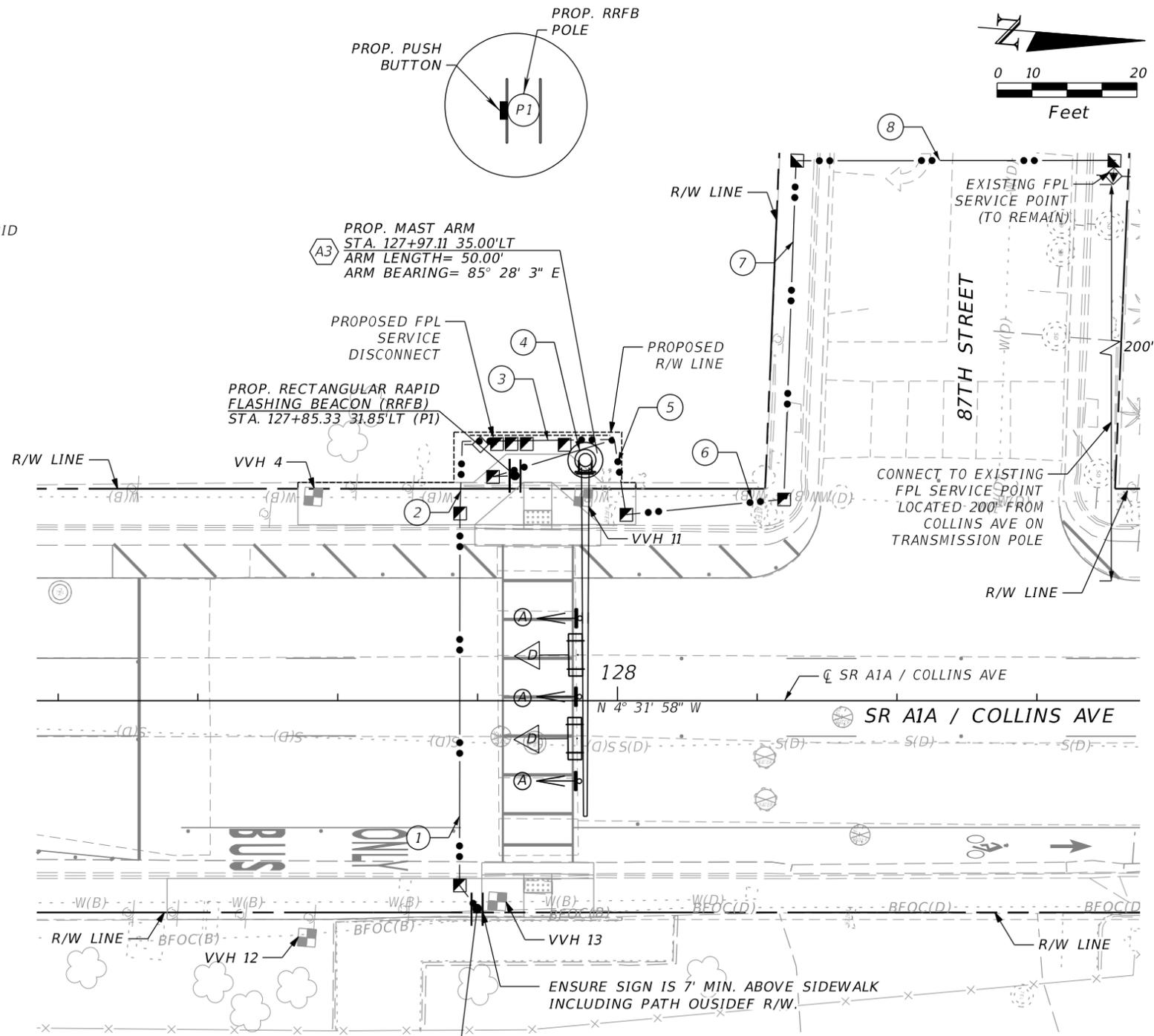
654-2-12 1 AS



654-2-12 1 AS

OPERATION NOTES:

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2. PEDESTRIAN FLASHER UPON ACTUATION ONLY
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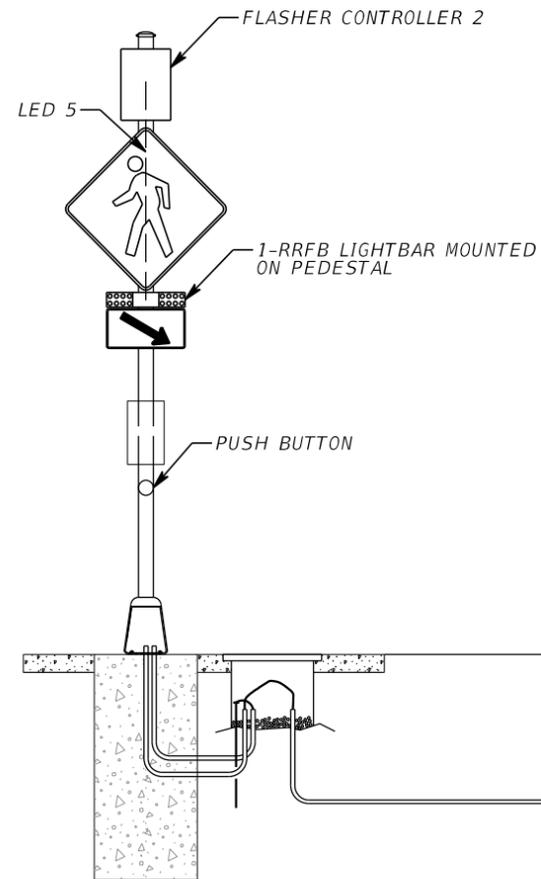
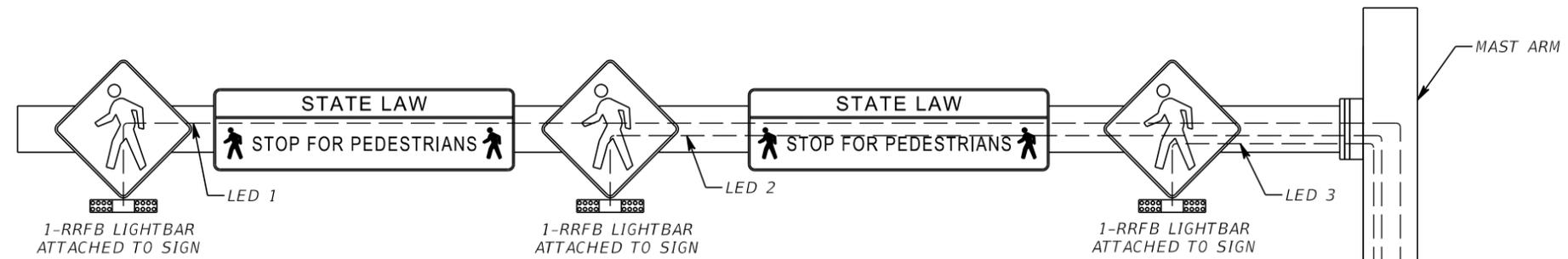


SR A1A / COLLINS AVE
& 87 STREET
(ID #7799)

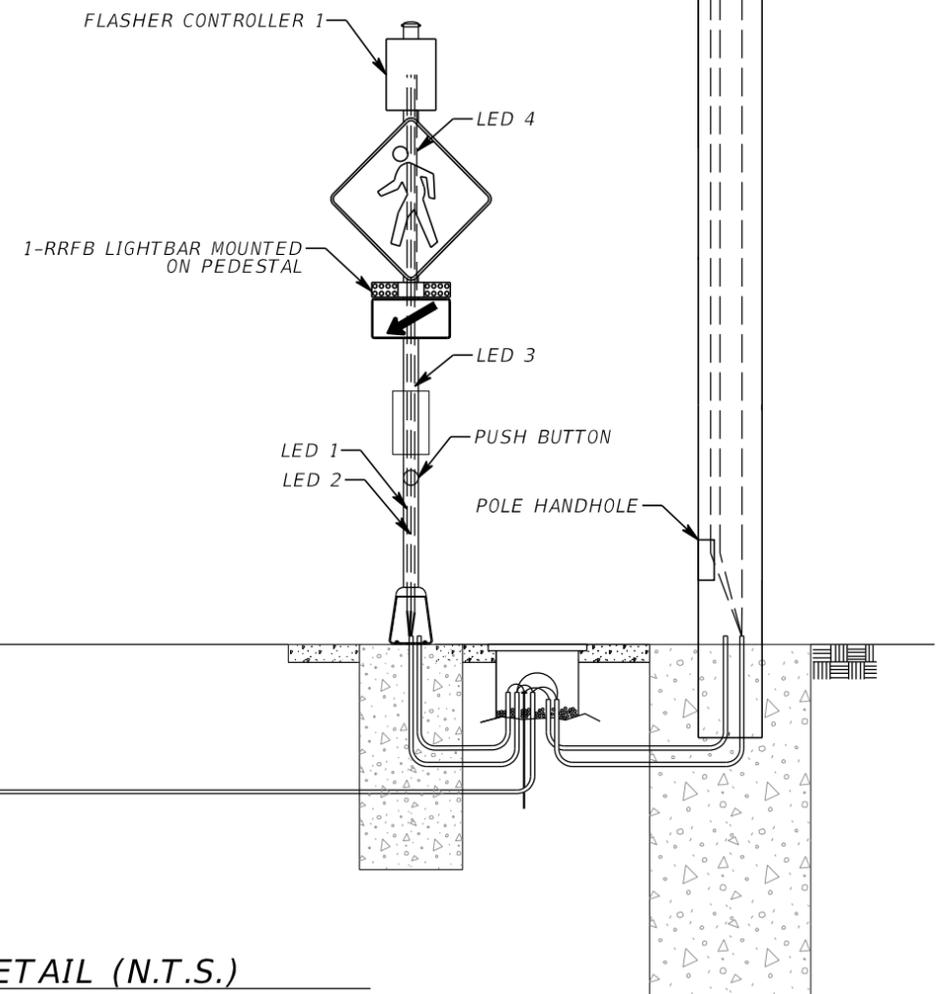
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNALIZATION PLAN	SHEET NO. T-7
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR A1A	MIAMI-DADE	441886-1-52-01		

GODFREY A. O. LAMPTEY, P.E., PTOE
P.E. LICENSE NUMBER 68261
GOAL ASSOCIATES, INC.
14750 NW 77TH COURT, SUITE 320
MIAMI LAKES, FL 33016
CERTIFICATE OF AUTHORIZATION NO. 30697

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LIGHTBARS CABLE LENGTH				
LED	UNIT	LENGTH MAST ARM A1	LENGTH MAST ARM A2	LENGTH MAST ARM A3
1	LF	88.50'	88.50'	90.00'
2	LF	77.50'	78.00'	78.00'
3	LF	66.50'	72.00'	66.75'
4	LF	6'	6'	6'
5	LF	6'	6'	6'



RECTANGULAR RAPID FLASHING BEACON DETAIL (N.T.S.)

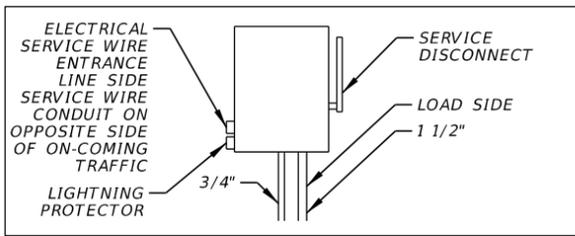
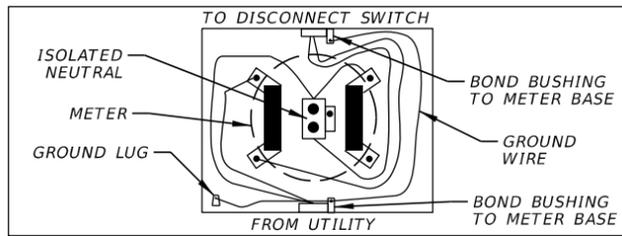
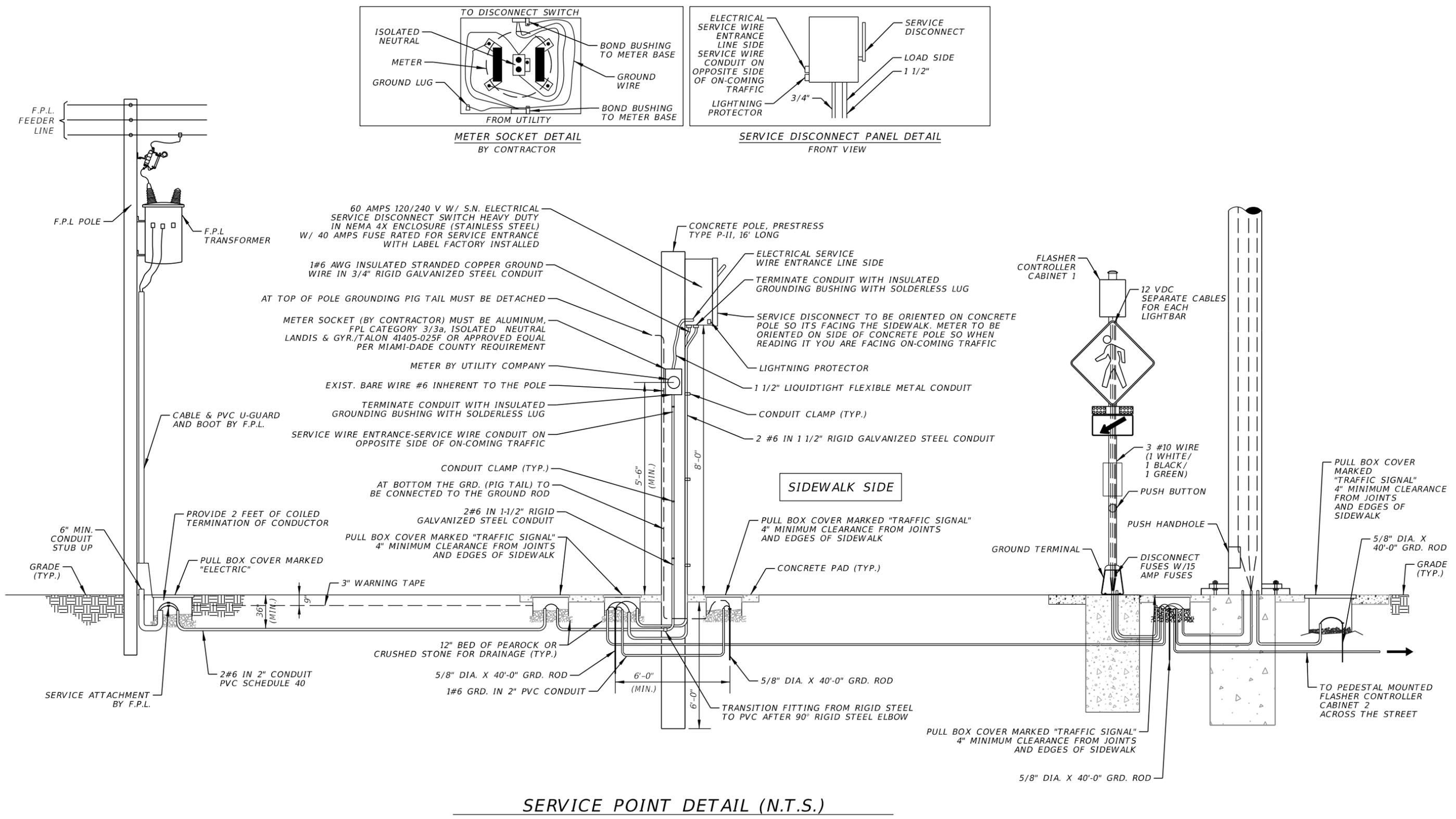
NOTES:

PEDESTAL POLE CONTROLLER:

1. LED 1, 2, 3 AND 4 TO BE CONNECTED TO FLASHER CONTROLLER 1.
2. LED 5 TO BE CONNECTED TO FLASHER CONTROLLER 2.

REVISIONS				GODFREY A. O. LAMPTEY, P.E., PTOE P.E. LICENSE NUMBER 68261 GOAL ASSOCIATES, INC. 14750 NW 77TH COURT, SUITE 320 MIAMI LAKES, FL 33016 CERTIFICATE OF AUTHORIZATION NO. 30697	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			RECTANGULAR RAPID FLASHING BEACON DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR A1A	MIAMI-DADE	441886-1-52-01		T-10

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SERVICE POINT DETAIL (N.T.S.)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GODFREY A. O. LAMPTEY, P.E., PTOE
 P.E. LICENSE NUMBER 68261
 GOAL ASSOCIATES, INC.
 14750 NW 77TH COURT, SUITE 320
 MIAMI LAKES, FL 33016
 CERTIFICATE OF AUTHORIZATION NO. 30697

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR A1A	MIAMI-DADE	441886-1-52-01

**ELECTRICAL POWER
SERVICE DETAIL**

SHEET NO.
T-11

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