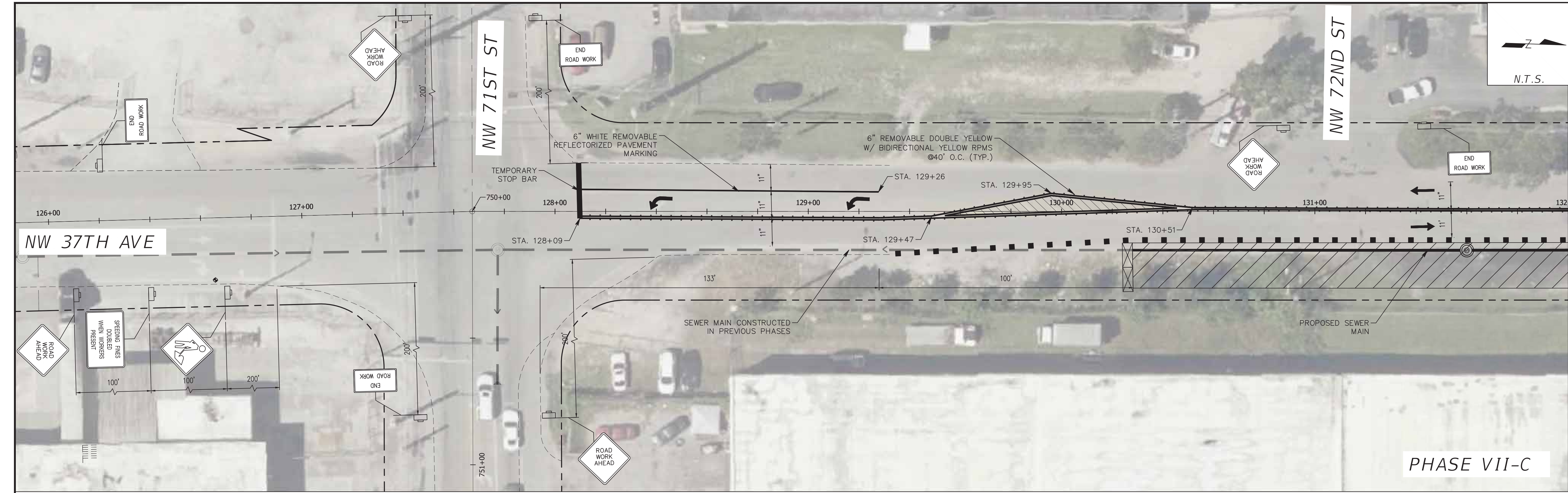




LEGEND:

WORK AREA

TYPE III BARRICADE

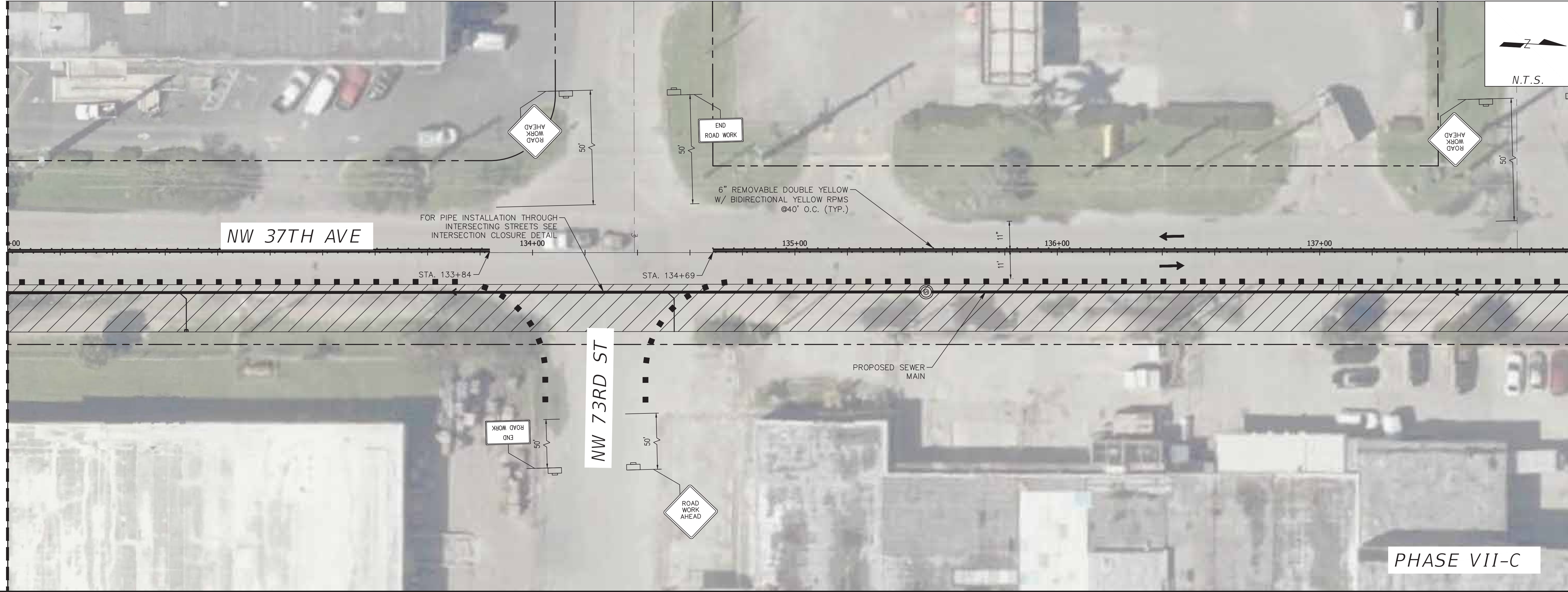
WORK ZONE SIGN

TYPE I OR TYPE II CHANNELIZING DEVICE

DIRECTION OF TRAFFIC

P:\02020500293 8N SEWER MOT NW 37 AVE (APCTE)\E15WAS03B\ROADWAY\PHASE VII-C.DWG

MATCH LINE O-O



MATCH LINE O-O

MATCH LINE P-P

MIAMI-DADE COUNTY

Delivering Excellence Every Day

WATER & SEWER DEPARTMENT

3575 S. LEEUWEN RD.
MIAMI, FL 33133
305-465-7471
www.miamidade.gov/water

HBC Engineering Company

CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

FILE NAME: TQDSRD19 PHASE VII-C.DWG
DATE: 03/05/2021 SCALE: AS SHOWN
SHEET P-73 OF 104
DWG. No.

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEEJUNE RD.
MIAMI, FL 33133
305-465-7471
www.miamidade.gov/water

HBC

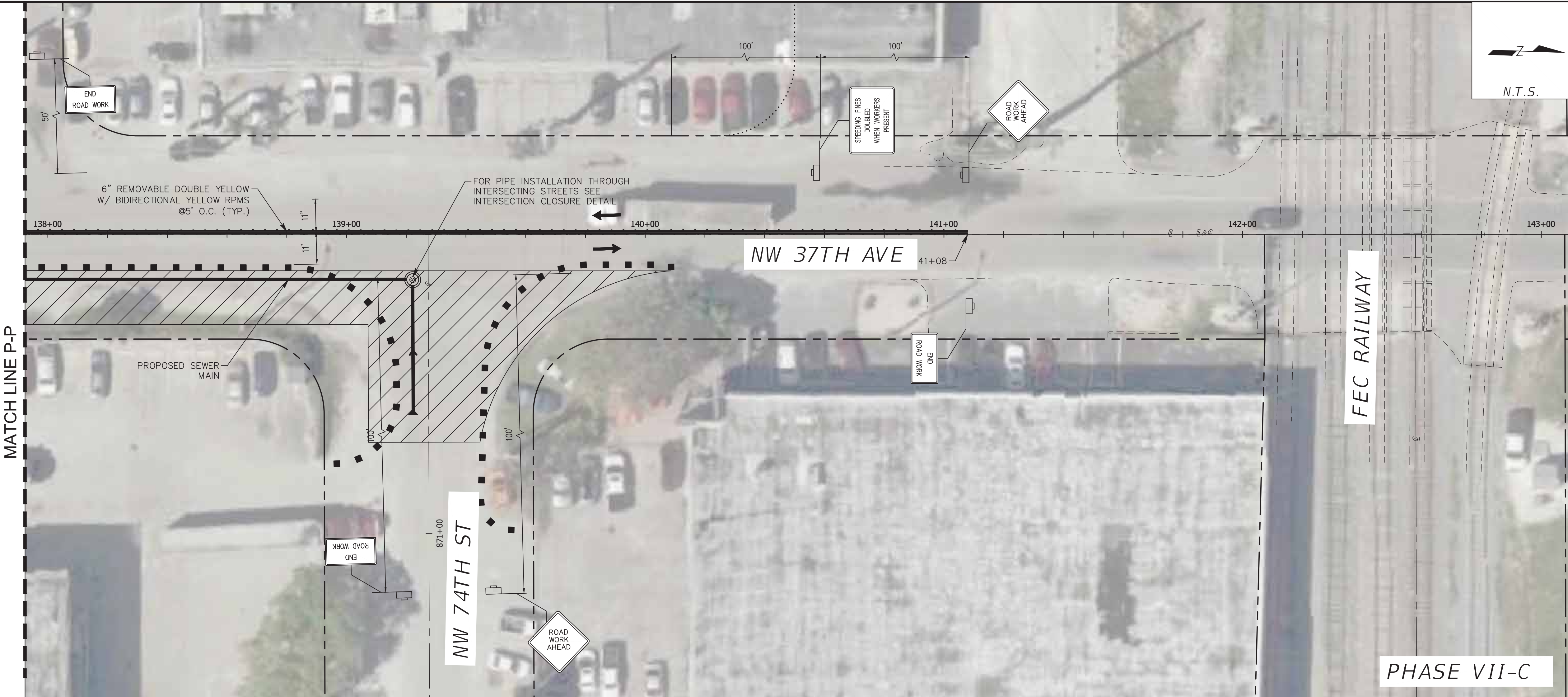
Engineering
Company

CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY			
	RELEASED FOR	DATE	BY
1	90% SUBMITTAL	08/21/20	H.L.
1	PERMIT SUBMITTAL	10/28/20	H.L.
1	PERMIT RESUBMITTAL	1/20/21	H.L.
1	100% SUBMITTAL	03/05/21	H.L.
REVISIONS			
No.	DESCRIPTION	DATE	BY
APPROVALS			
PROJECT MGR:		CHECKED: H.L.	
DESIGNED: J.F.		DRAWN: D.O.	
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			
HERNAN A. LUGO, P.E. CIVIL ENGINEER State of Florida - License No. 74961 8935 NW 35th LN, SUITE 201, MIAMI FL 33172 (305) 232-7932			
FILE NAME:TQDSRD19 PHASE VII-C.DWG			
DATE: 03/05/2021		SCALE: AS SHOWN	
SHEET P-74 OF 104			
DWG. No.			



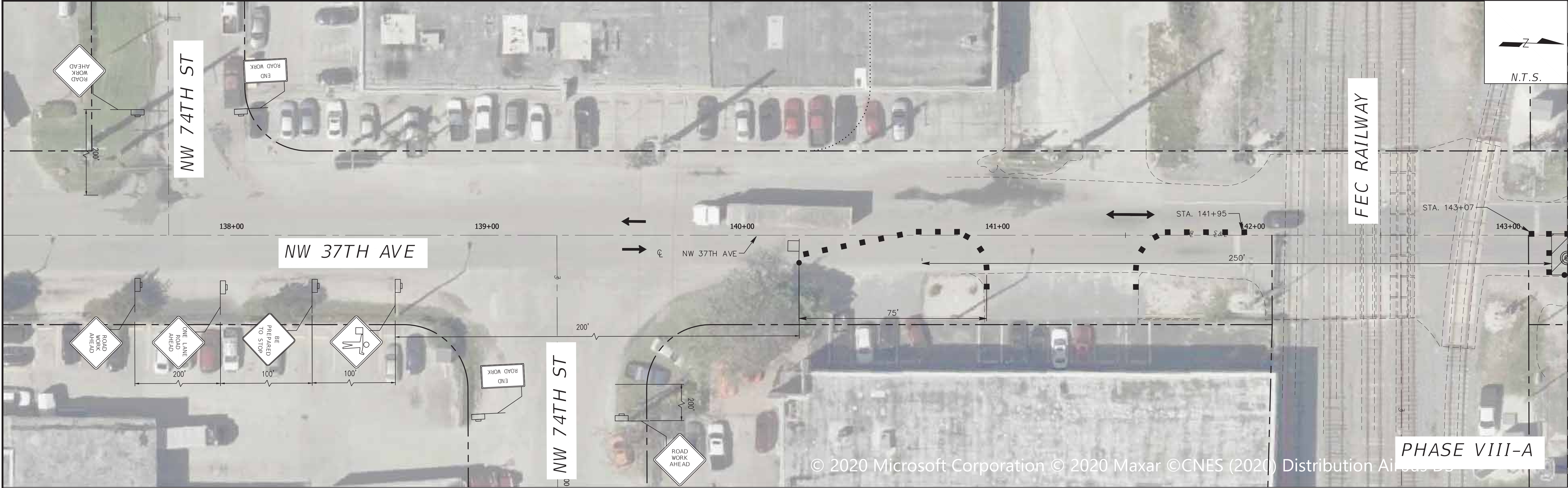
LEGEND:

WORK AREA

DIRECTION OF TRAFFIC

WORK ZONE SIGN

TYPE I OR TYPE II CHANNELIZING DEVICE



MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-465-7475
www.miamidade.gov/water

HBC Engineering Company
CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

REVISIONS			
No.	DESCRIPTION	DATE	BY

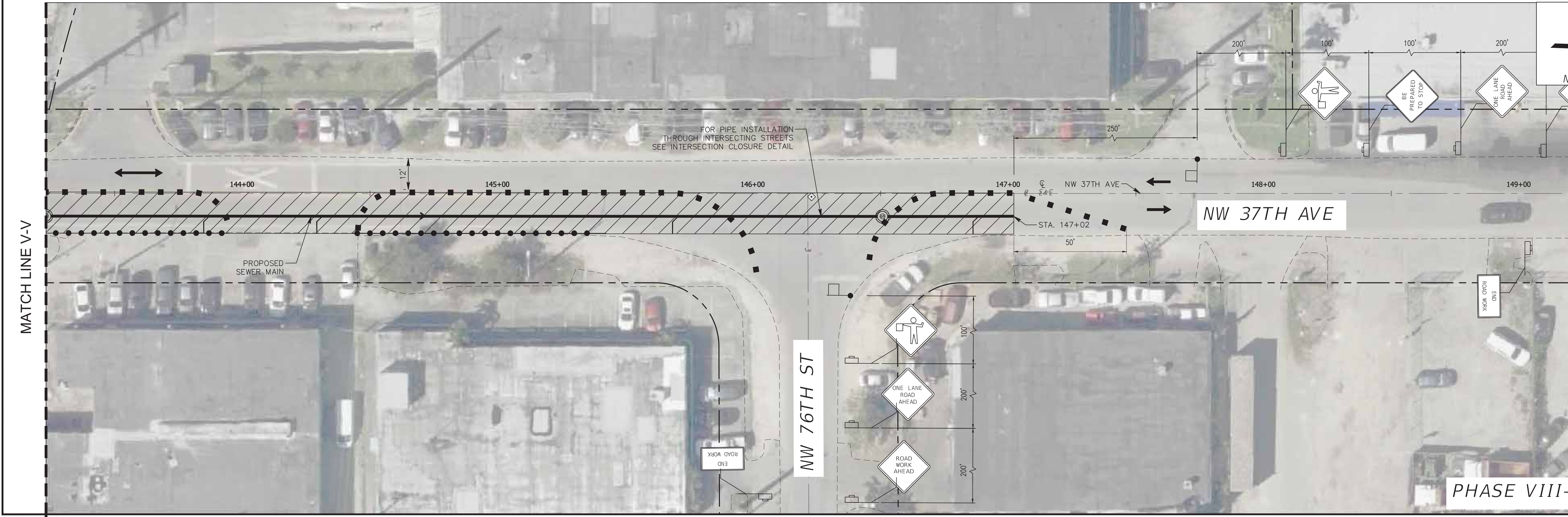
APPROVALS	
PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

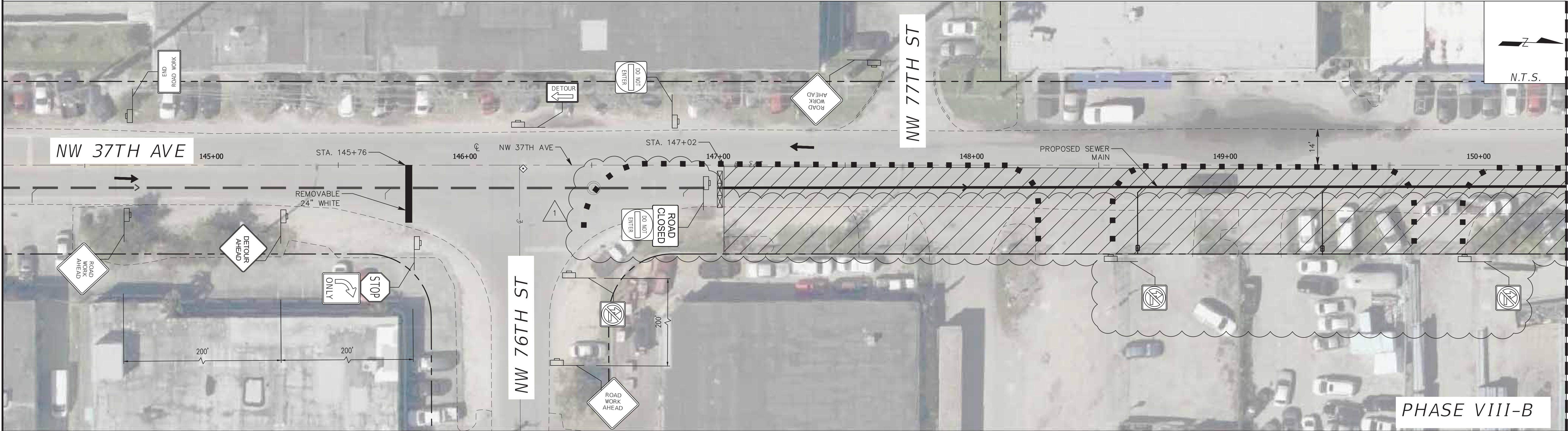
FILE NAME: TCDSD18 PHASE VIII-ADWG
DATE: 03/05/2021 SCALE: AS SHOWN
SHEET P-75 OF 104
DWG. No.

LEGEND:

- WORK AREA
- WORK ZONE SIGN
- FLAGGER
- DIRECTION OF TRAFFIC
- TYPE I OR TYPE II CHANNELIZING DEVICE
- PED. LONGITUDINAL CHANNELIZING DEVICE



P:\020200500293 8N SEWER MOT NW 37 AVE (APCTE)\E15WASD03B\ROADWAY\PHASE I\TCDSD18 PHASE VIII-ADWG



MATCH LINE W-W

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

REVISIONS

No.	DESCRIPTION	DATE	BY
△	REVISION #1	10/11/21	D.O.

APPROVALS

PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

FILE NAME: TCDSD20 PHASE VII-B.DWG

DATE: 03/05/2021 SCALE: AS SHOWN

SHEET P-76 OF 104

DWG. No.

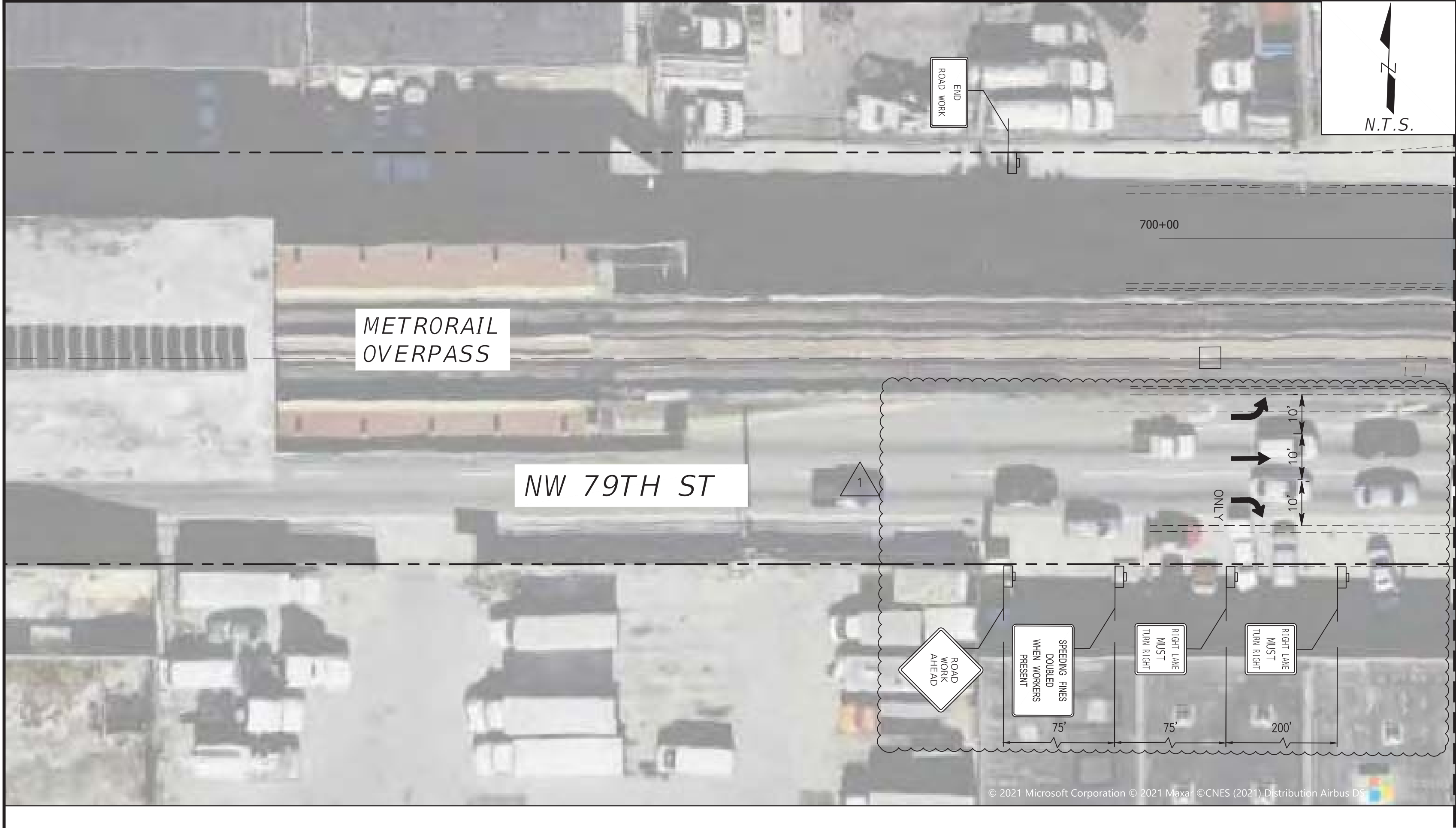
LEGEND:

- WORK AREA

TYPE III BARRICADE

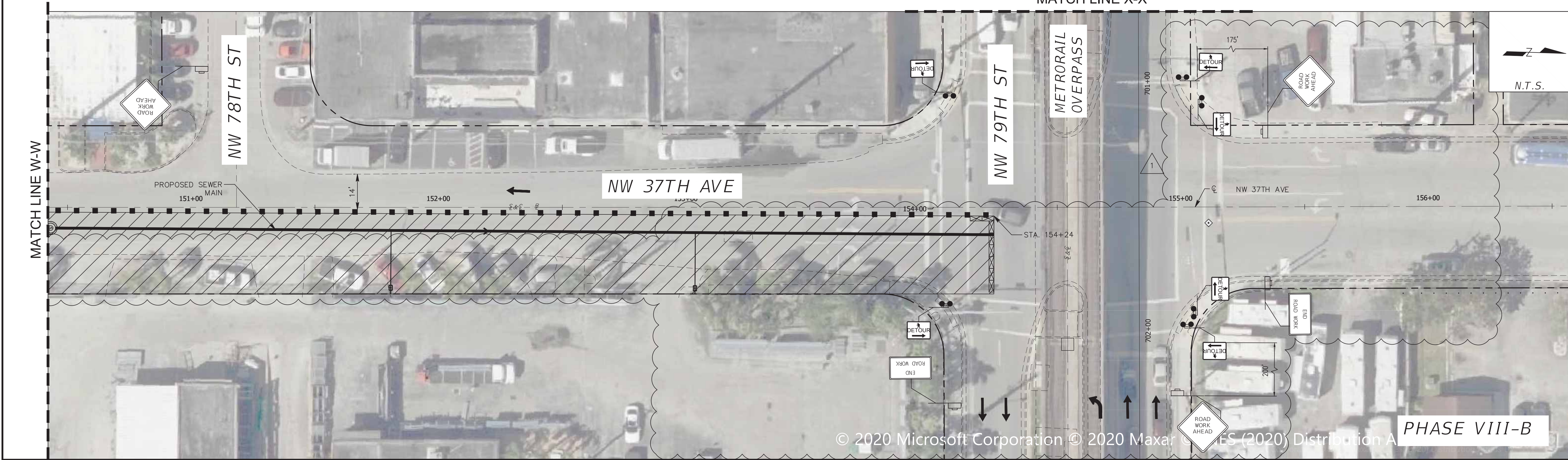
DIRECTION OF TRAFFIC
- WORK ZONE SIGN

TYPE I OR TYPE II CHANNELIZING DEVICE



MATCH LINE X-X

- LEGEND:**
- WORK AREA
 - TYPE III BARRICADE
 - DIRECTION OF TRAFFIC
 - PED. LONGITUDINAL CHANNELIZING DEVICE WITH MOUNTED WORK ZONE SIGN
 - WORK ZONE SIGN
 - TYPE I OR TYPE II CHANNELIZING DEVICE



© 2020 Microsoft Corporation © 2020 Maxar © ES (2020) Distribution A

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073
TEMPORARY TRAFFIC CONTROL PLAN

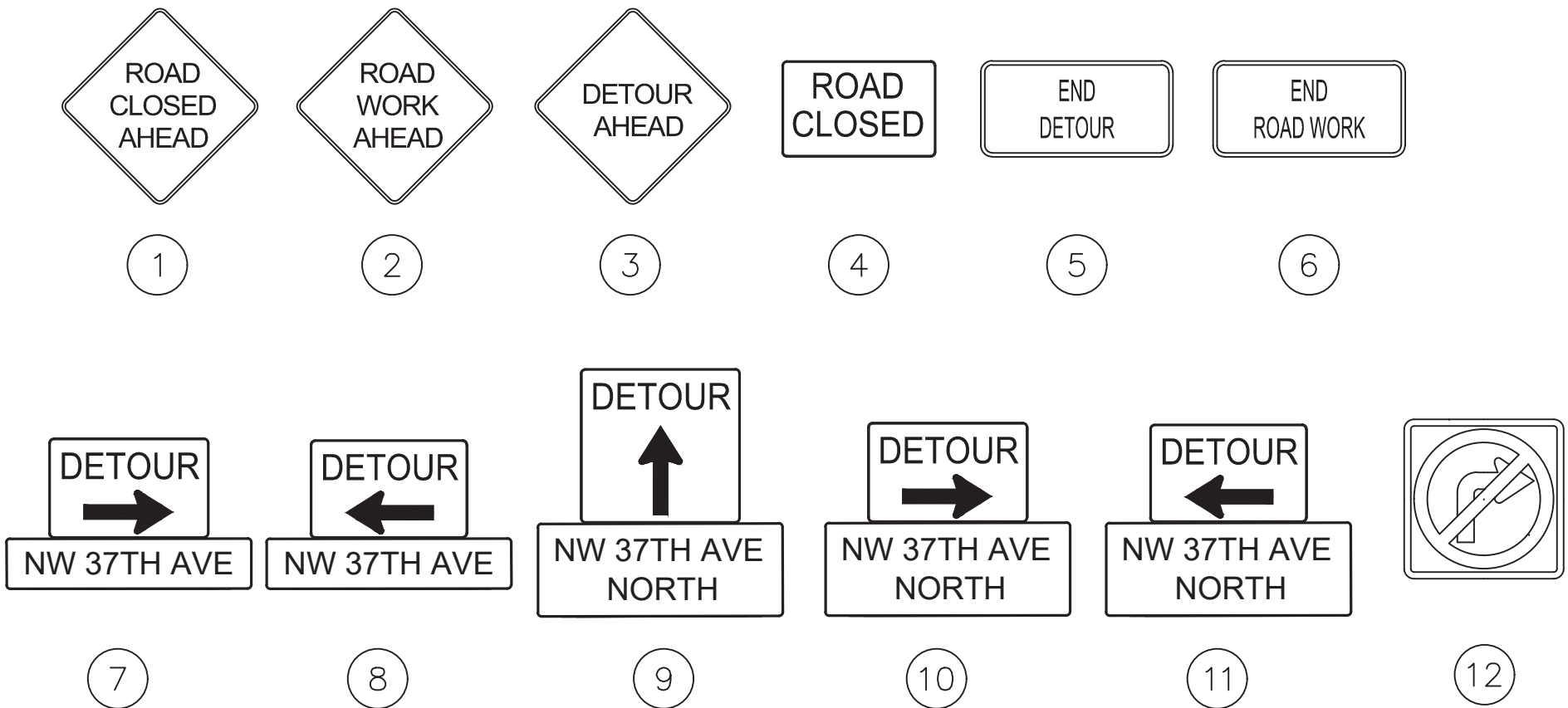
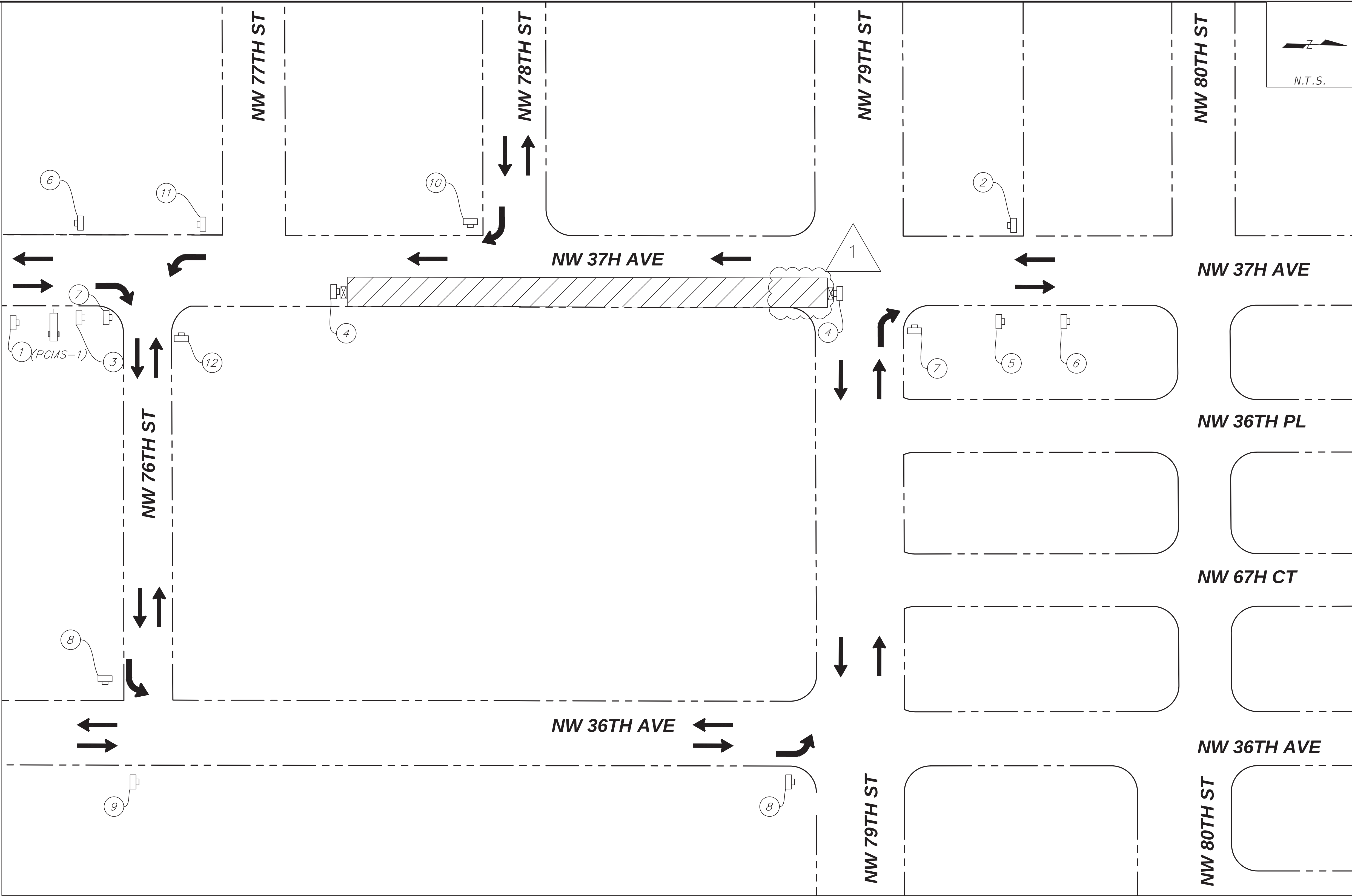
DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS	
PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

FILE NAME: TQDSR020 PHASE VIII-B.DWG
DATE: 03/05/2021 SCALE: AS SHOWN
SHEET P-77 OF 104
DWG. No.



PCMS #1
(BEFORE ROAD CLOSURE)

NB 37 AVE CLOSED @ 76 ST	MM DD-DD X AM - X AM
--------------------------------	----------------------------

(DURING ROAD CLOSURE)

NB 37 AVE CLOSED @ 76 ST	DETOUR NW 76 ST
--------------------------------	-----------------------

DETOUR PLAN – PHASE VIII-B
INSTALLATION OF PROP. 8" GRAVITY SEWER
STA. 147+01 TO STA. 154+24

- LEGEND:**
- WORK AREA
 - TYPE III BARRICADE
 - WORK ZONE SIGN
 - DIRECTION OF TRAFFIC

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-465-7471
www.miamidade.gov/water

HBC Engineering Company
CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET – PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

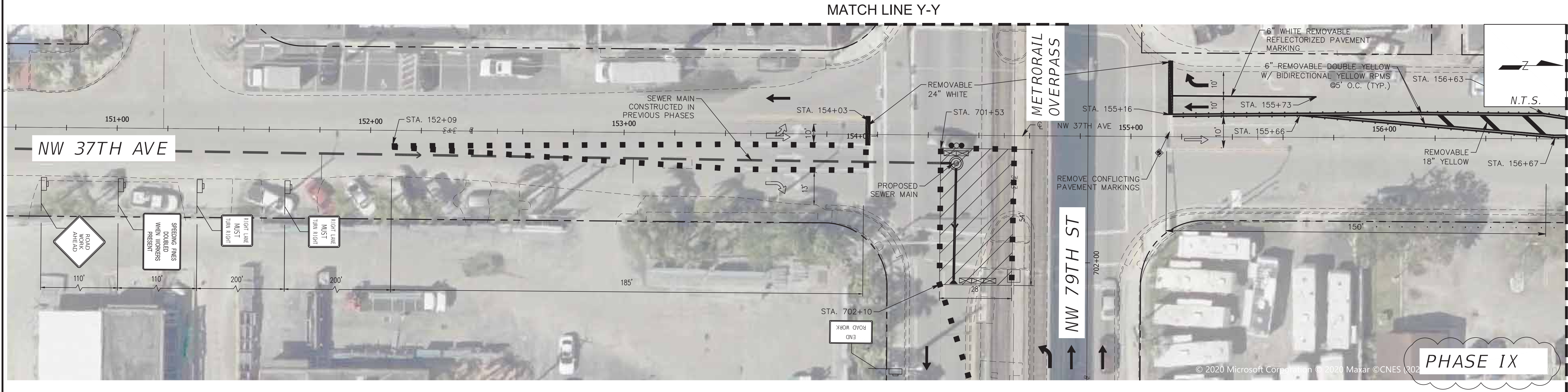
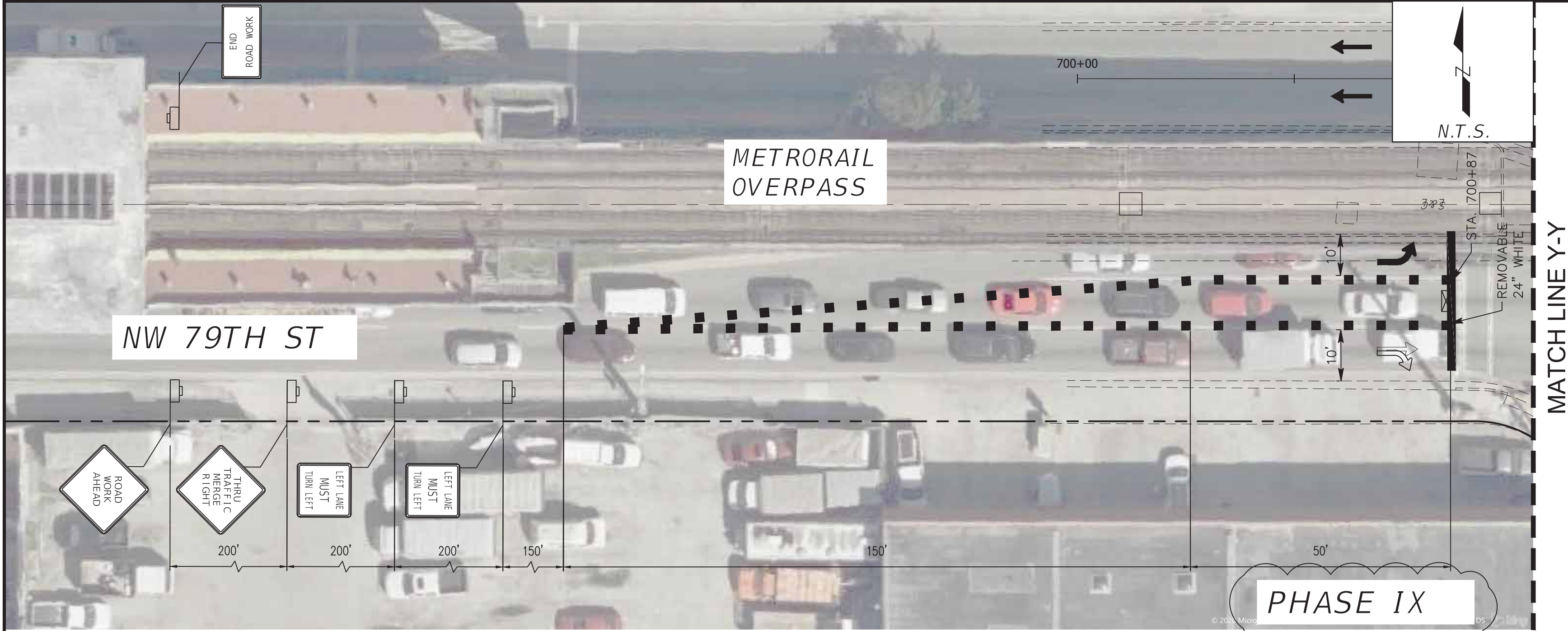
REVISIONS

No.	DESCRIPTION	DATE	BY
△	REVISION #1	10/11/21	D.O.

APPROVALS

PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida – License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932



- LEGEND:**
- WORK AREA
 - TYPE III BARRICADE
 - WORK ZONE SIGN
 - TYPE I OR TYPE II CHANNELIZING DEVICE
 - DIRECTION OF TRAFFIC
 - TEMPORARY PAVEMENT MARKINGS
 - ADVANCE WARNING ARROW BOARD

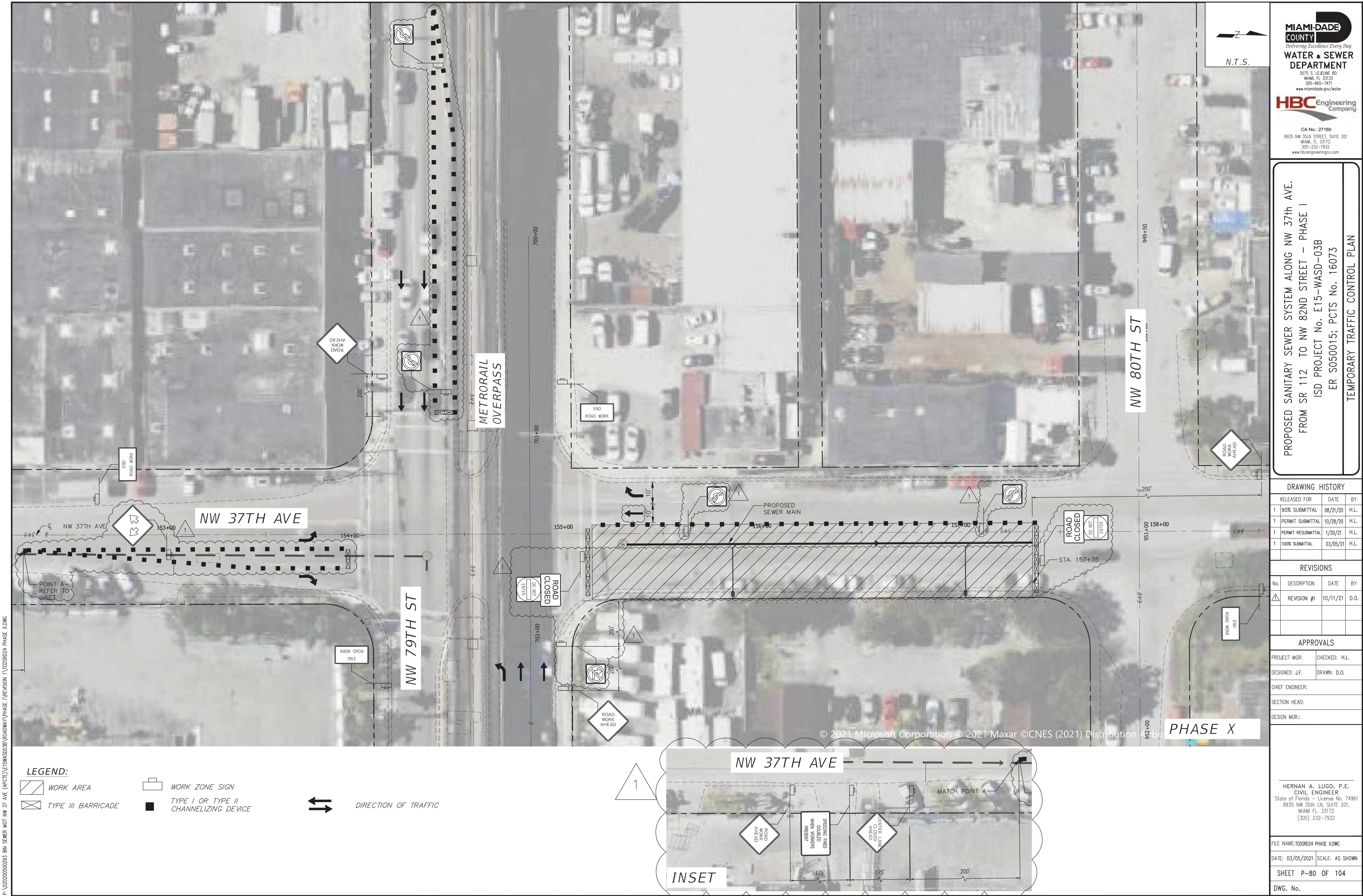
PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/21/20	H.L.	
1 PERMIT SUBMITTAL	10/28/20	H.L.	
1 PERMIT RESUBMITTAL	1/20/21	H.L.	
1 100% SUBMITTAL	03/05/21	H.L.	

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS			
PROJECT MGR:	CHECKED:	H.L.	
DESIGNED: J.F.	DRAWN:	D.O.	
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI, FL 33172
(305) 232-7932



P:\02020500293 8N SEWER NOT NW 37 AVE (APCIE)\E15WAS03B ROADWAY\PHASE 1\VISION 1\TDSR024 PHASE X.DWG

LEGEND:

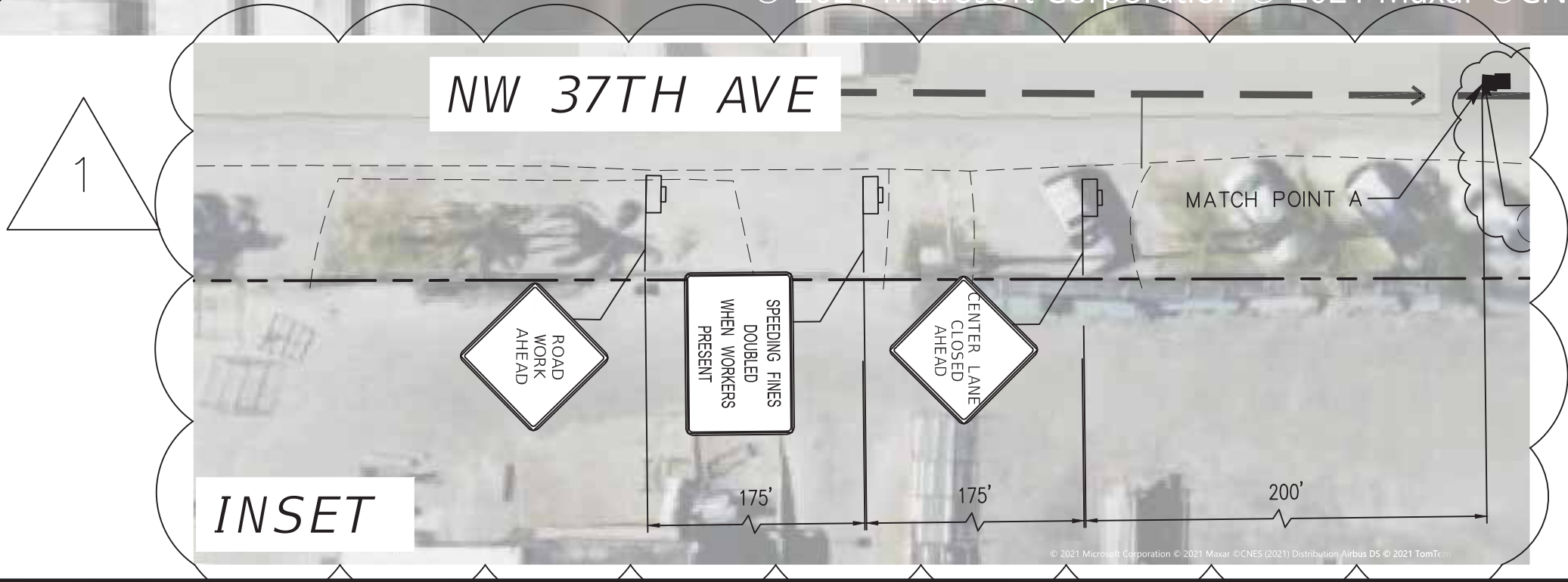
WORK AREA

TYPE III BARRICADE

WORK ZONE SIGN

TYPE I OR TYPE II CHANNELIZING DEVICE

DIRECTION OF TRAFFIC



MIAMI-DADE COUNTY

Delivering Excellence Every Day

WATER & SEWER DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-465-7475
www.miamidade.gov/water

HBC

Engineering Company

CA No.: 27160

8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073
TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/21/20	H.L.	
1 PERMIT SUBMITTAL	10/28/20	H.L.	
1 PERMIT RESUBMITTAL	1/20/21	H.L.	
1 100% SUBMITTAL	03/05/21	H.L.	

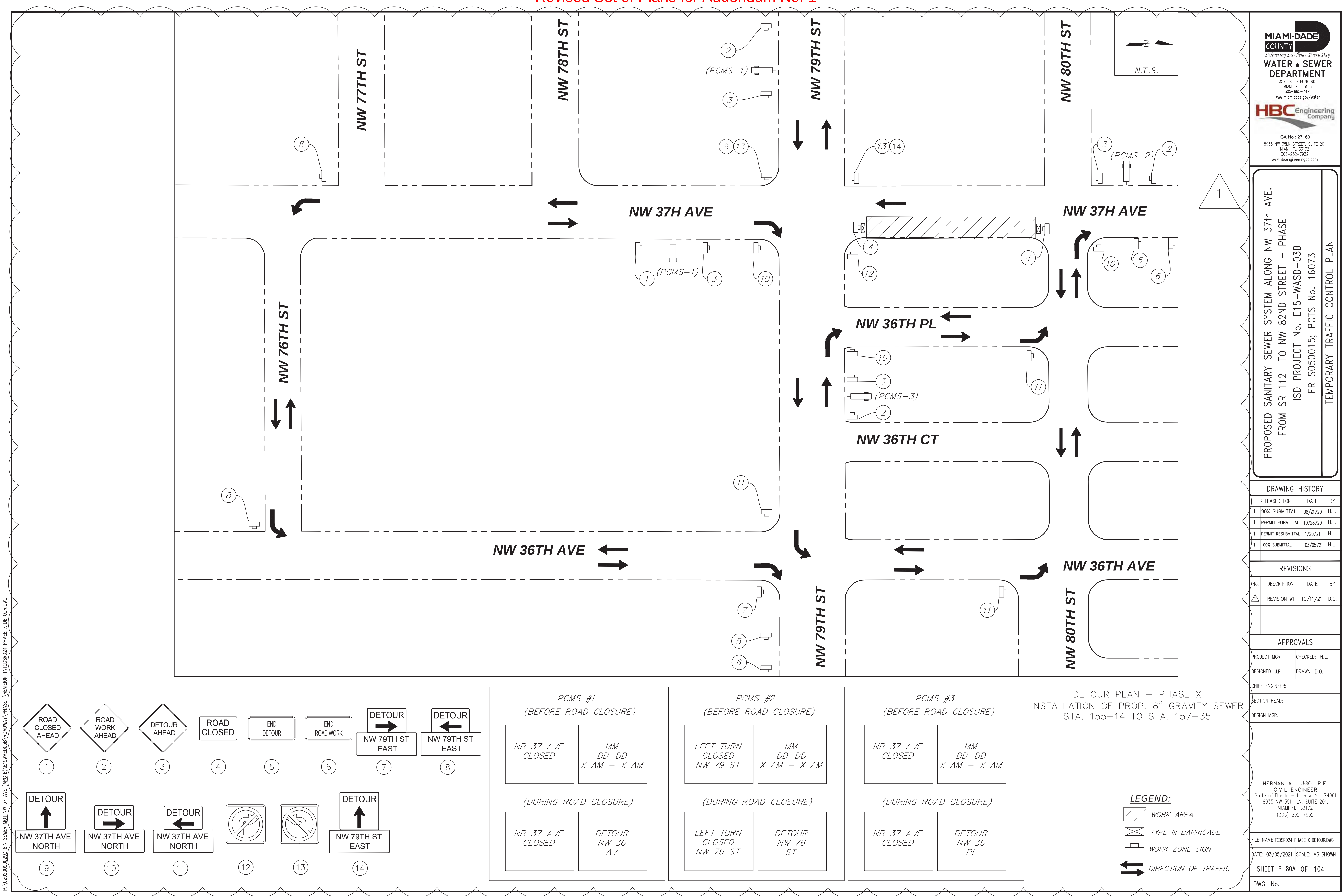
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS	
PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

FILE NAME: TDSR024 PHASE X.DWG
DATE: 03/05/2021 SCALE: AS SHOWN
SHEET P-80 OF 104
DWG. No.

P:\0202050243 8IN SEWER MOT NW 37 AVE (APCIE)\E15WAS0303B ROADWAY PHASE I\VISION 1\TCD5024 PHASE X DETOUR.DWG



MIAMI-DADE

COUNTY

Delivering Excellence Every Day

WATER & SEWER

DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-465-7471
www.miamidade.gov/water

HBC

Engineering
Company

CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

TEMPORARY TRAFFIC CONTROL PLAN

DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/21/20	H.L.	
1 PERMIT SUBMITTAL	10/28/20	H.L.	
1 PERMIT RESUBMITTAL	1/20/21	H.L.	
1 100% SUBMITTAL	03/05/21	H.L.	

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS	
PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI, FL 33172
(305) 232-7932

FILE NAME: TCD5024 PHASE X DETOUR.DWG
DATE: 03/05/2021 SCALE: AS SHOWN
SHEET P-80A OF 104
DWG. No.

ROAD CLOSED AHEAD

1

ROAD WORK AHEAD

2

DETOUR AHEAD

3

ROAD CLOSED

4

END DETOUR

5

END ROAD WORK

6

DETOUR

7

DETOUR

8

DETOUR

9

DETOUR

10

DETOUR

11

NO LEFT TURN

12

NO RIGHT TURN

13

DETOUR

14

PCMS #1
(BEFORE ROAD CLOSURE)

NB 37 AVE
CLOSED

MM
DD-DD
X AM - X AM

(DURING ROAD CLOSURE)

NB 37 AVE
CLOSED

DETOUR
NW 36
AV

PCMS #2
(BEFORE ROAD CLOSURE)

LEFT TURN
CLOSED
NW 79 ST

MM
DD-DD
X AM - X AM

(DURING ROAD CLOSURE)

LEFT TURN
CLOSED
NW 79 ST

DETOUR
NW 76
ST

PCMS #3
(BEFORE ROAD CLOSURE)

NB 37 AVE
CLOSED

MM
DD-DD
X AM - X AM

(DURING ROAD CLOSURE)

NB 37 AVE
CLOSED

DETOUR
NW 36
PL

DETOUR PLAN - PHASE X
INSTALLATION OF PROP. 8" GRAVITY SEWER
STA. 155+14 TO STA. 157+35

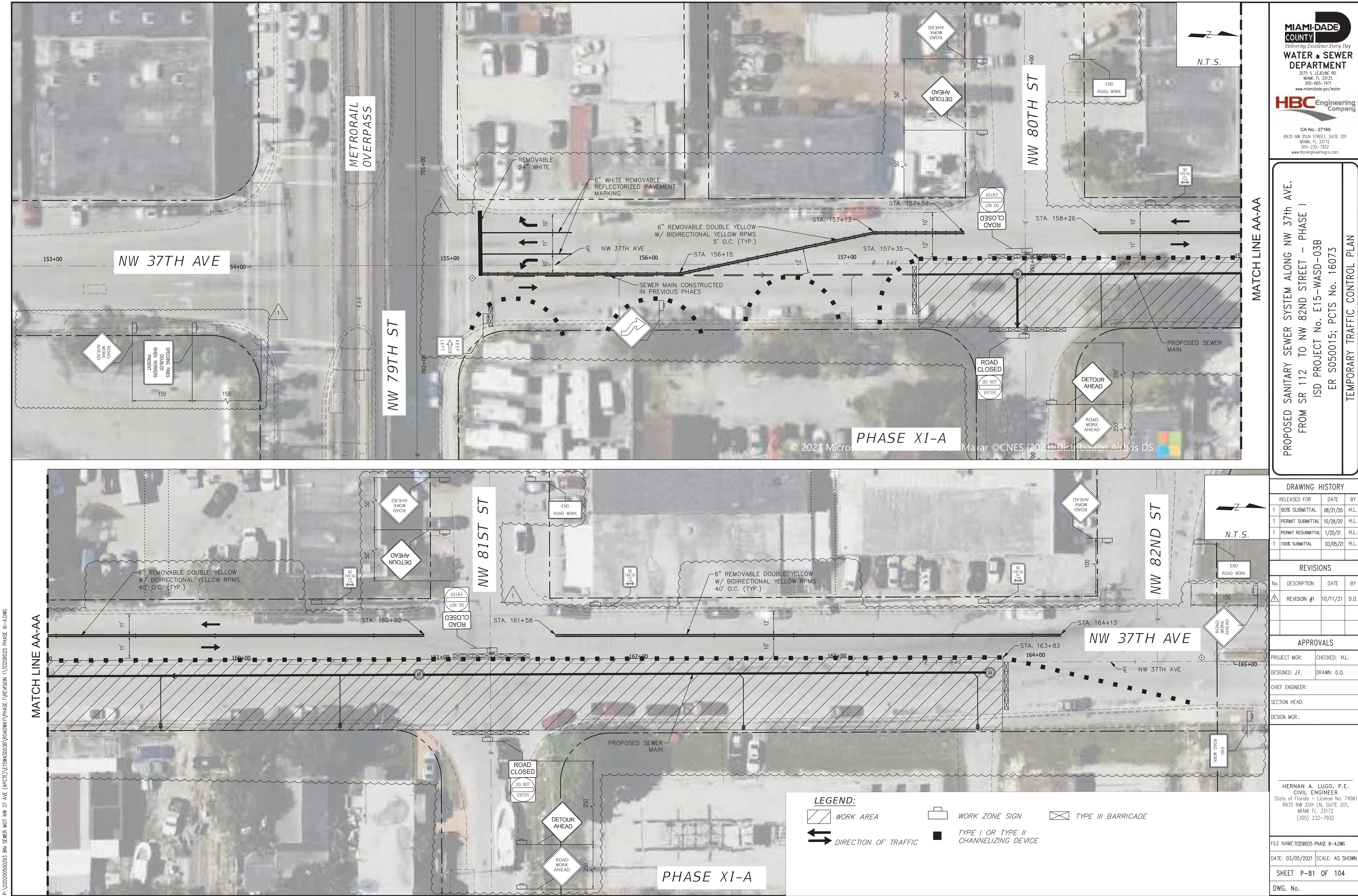
LEGEND:

WORK AREA

TYPE III BARRICADE

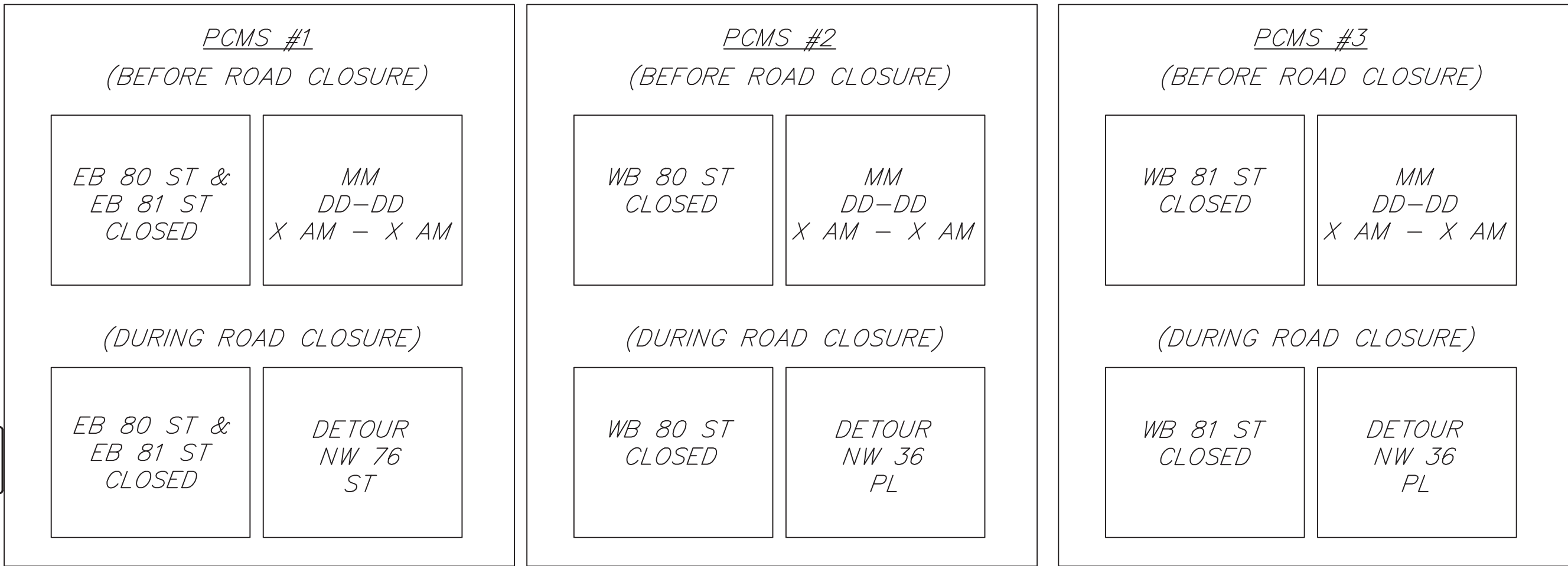
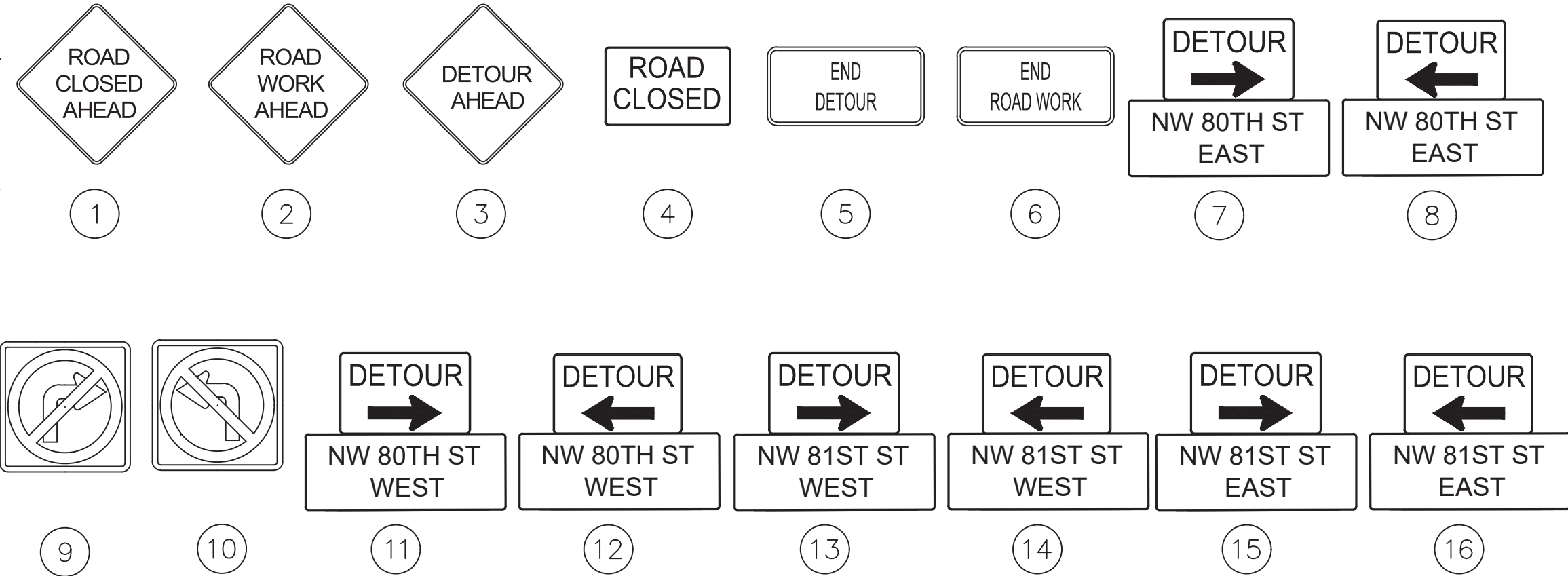
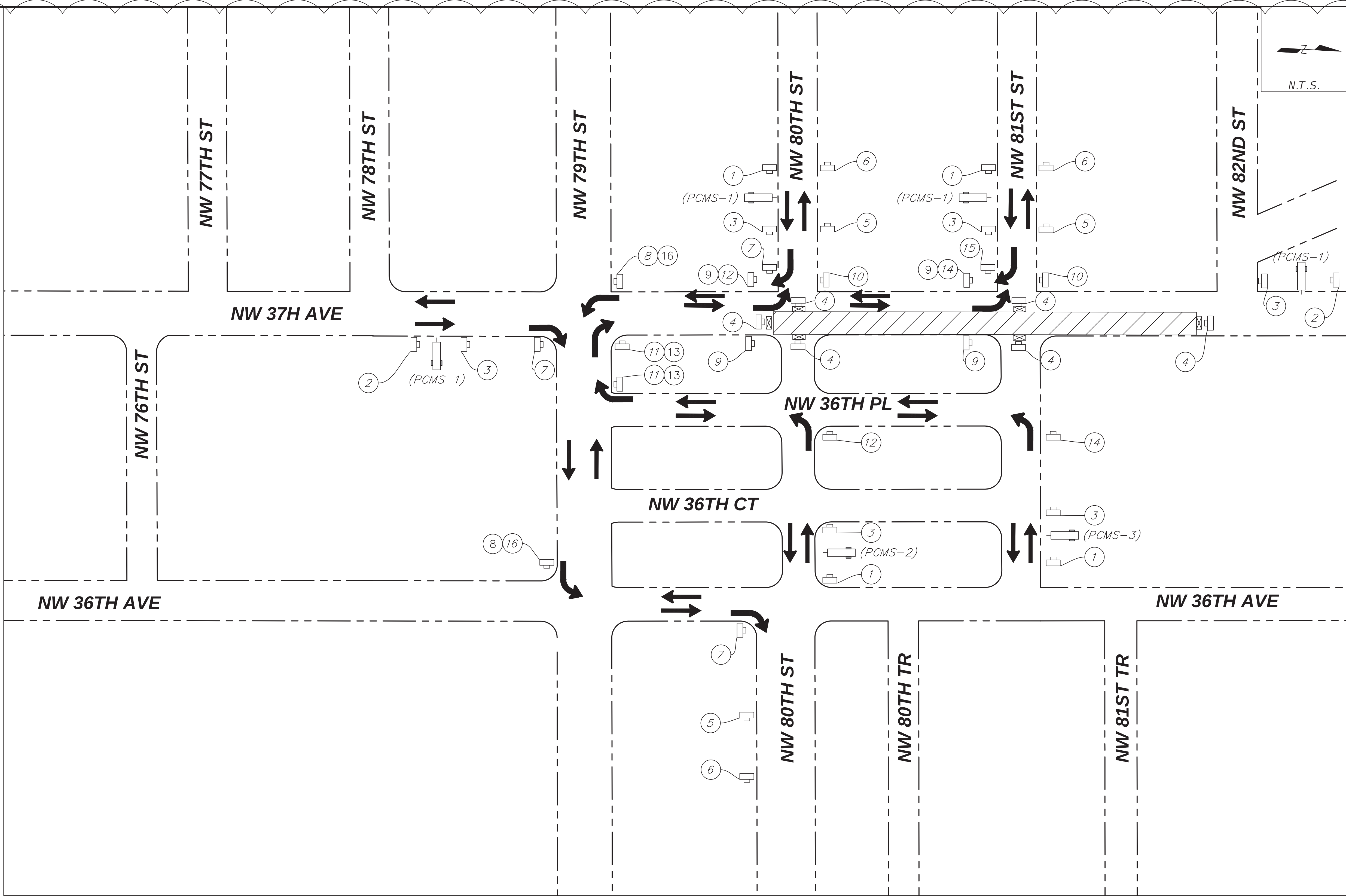
WORK ZONE SIGN

DIRECTION OF TRAFFIC



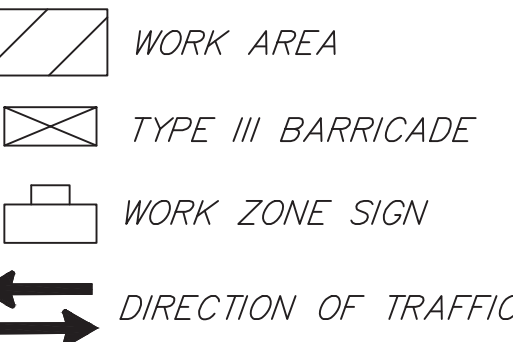
P:\02020500293 8N SEWER NOT NW 37 AVE (APCTE)\E15WAS0303B ROADWAY\PHASE 1\REVISION 1\TOSR025 PHASE XI-ADWG

P:\02020500283_8N_SEWER_MOT_NW_37_AVE_(APCIE)\E15WAS03035_ROADWAY_PHASE_1\TCD5025_PHASE_XI-A_DETOUR.DWG



DETOUR PLAN - PHASE XI-A
INSTALLATION OF PROP. 8" GRAVITY SEWER
STA. 157+35 TO STA. 163+83

LEGEND:



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/21/20	H.L.
1 PERMIT SUBMITTAL	10/28/20	H.L.
1 PERMIT RESUBMITTAL	1/20/21	H.L.
1 100% SUBMITTAL	03/05/21	H.L.

REVISIONS

No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS

PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

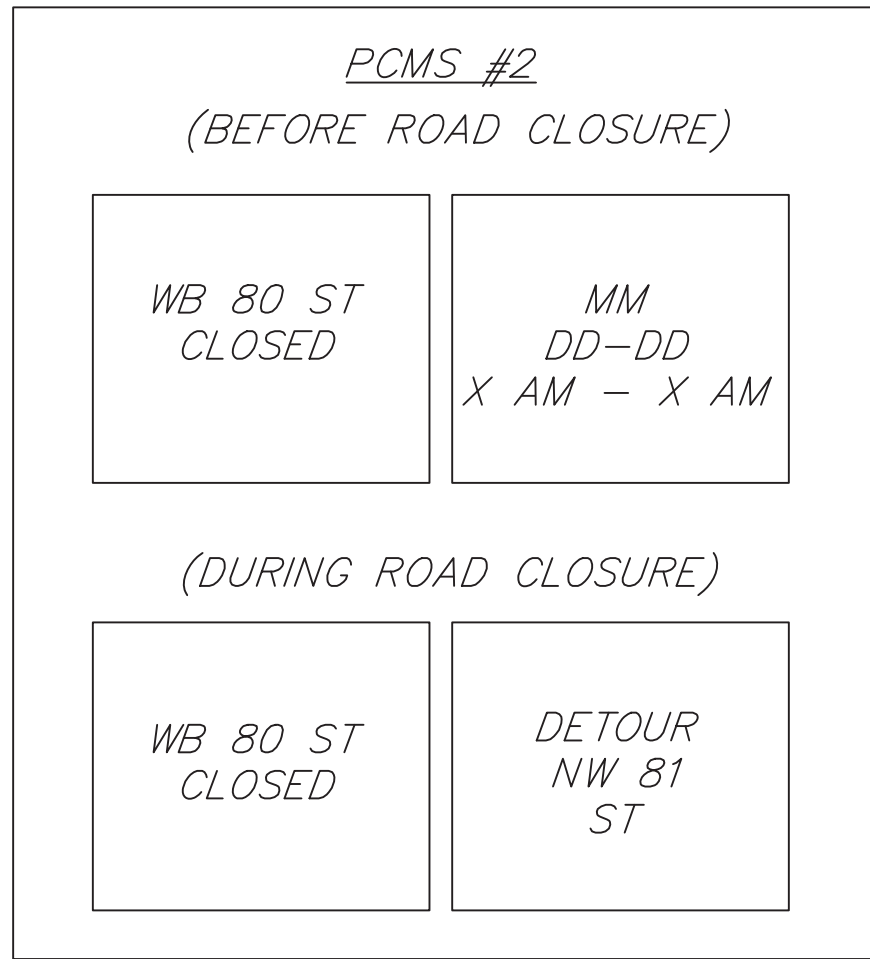
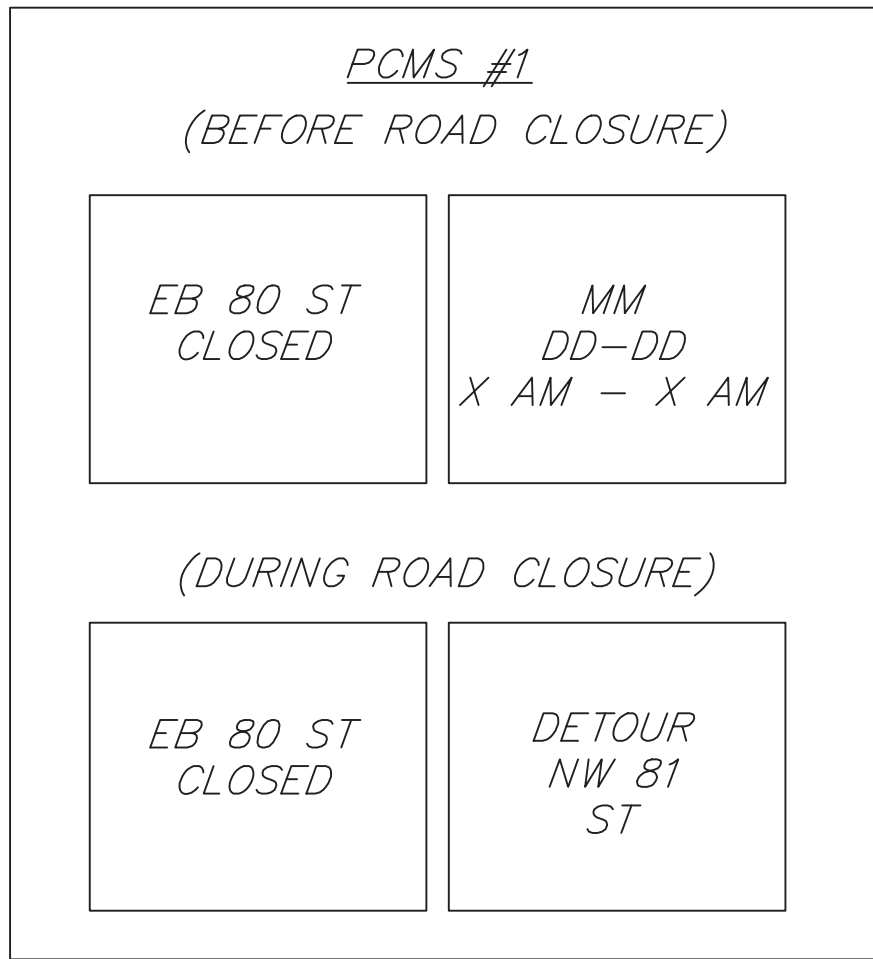
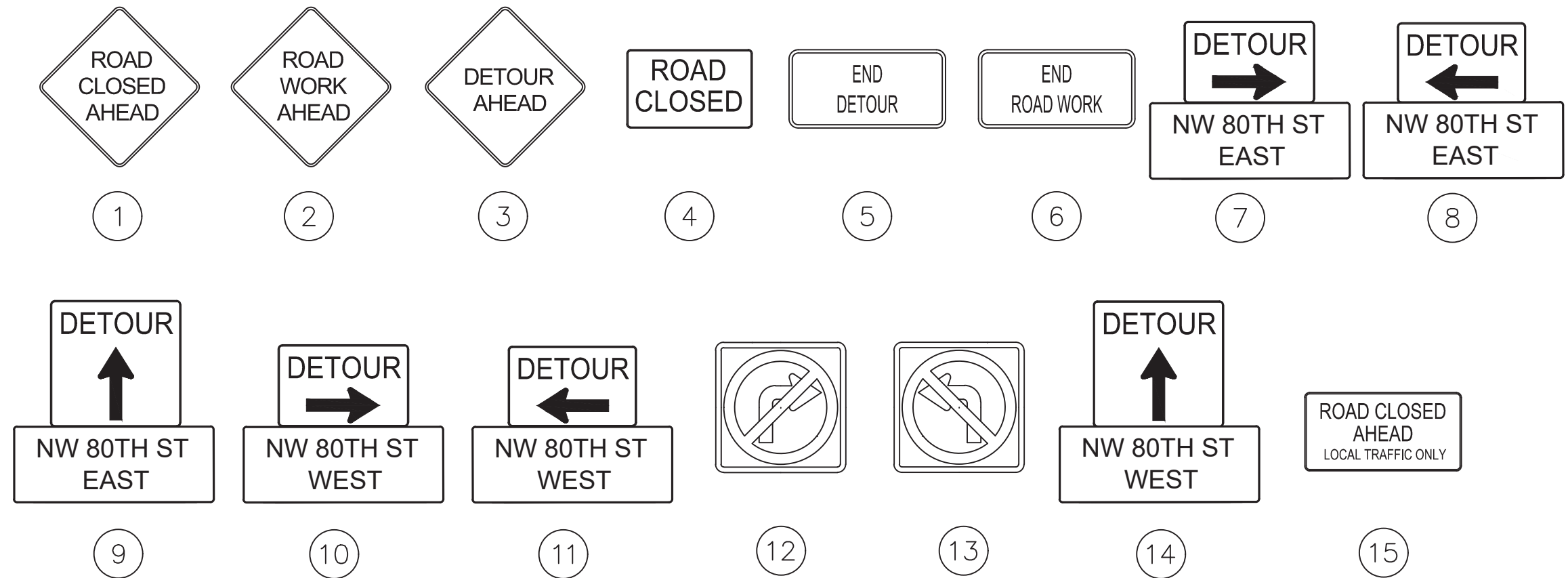
FILE NAME: TCD5025_PHASE_XI-A_DETOUR.DWG

DATE: 03/05/2021 SCALE: AS SHOWN

SHEET P-82 OF 104

DWG. No.

P:\0202050241 8N SEWER MOT NW 37 AVE (ARCTIC)\E15WAS0303\ROADWAY PHASE I\VISION 1\TCD5027 PHASE XI-B DETOUR.DWG



DETOUR PLAN - PHASE XI-B
INSTALLATION OF PROP. 8" GRAVITY SEWER
STA. 951+32 TO STA. 951+63

LEGEND:

- WORK AREA
- TYPE III BARRICADE
- WORK ZONE SIGN
- DIRECTION OF TRAFFIC

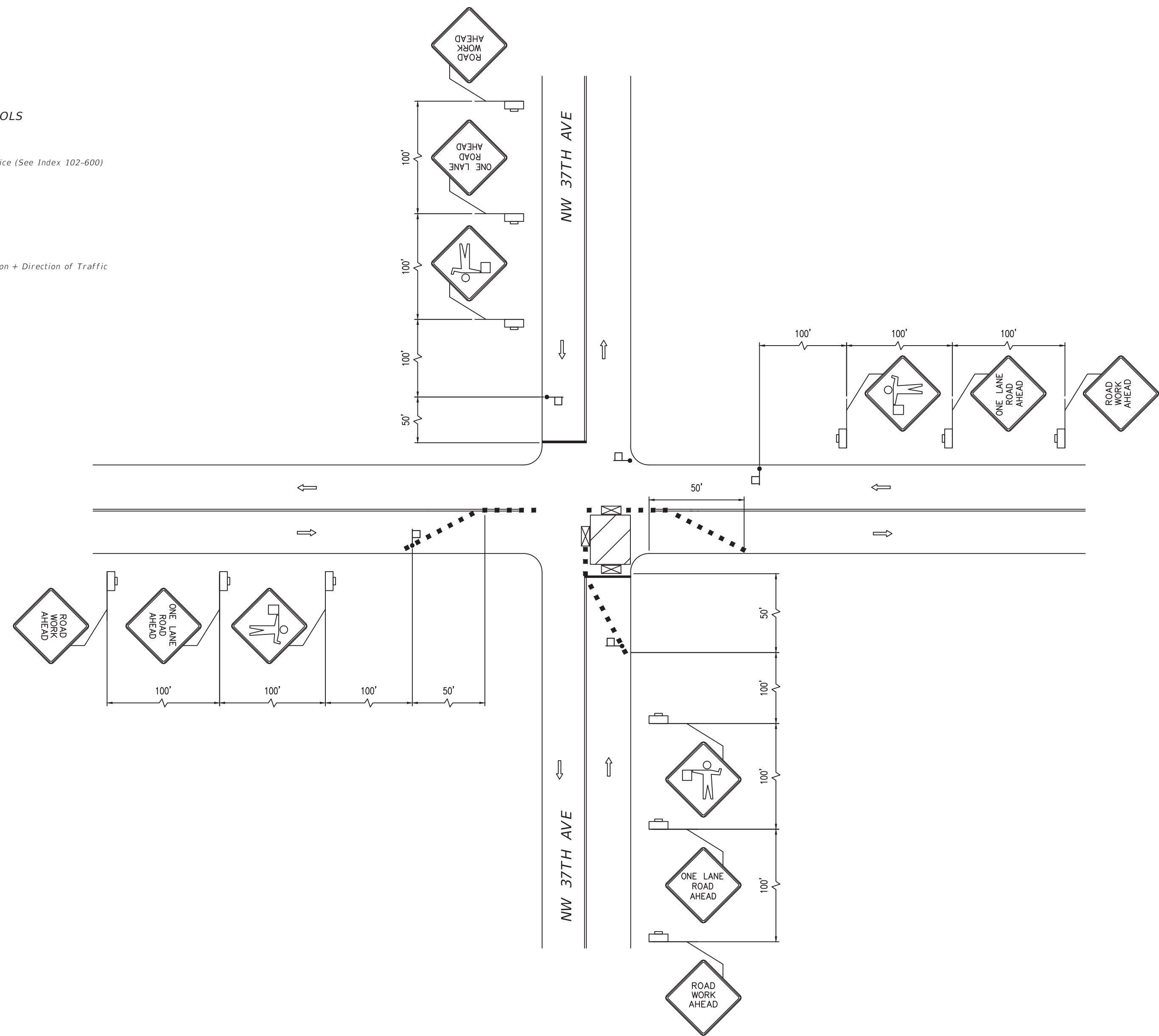
PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/21/20	H.L.	
1 PERMIT SUBMITTAL	10/28/20	H.L.	
1 PERMIT RESUBMITTAL	1/20/21	H.L.	
1 100% SUBMITTAL	03/05/21	H.L.	

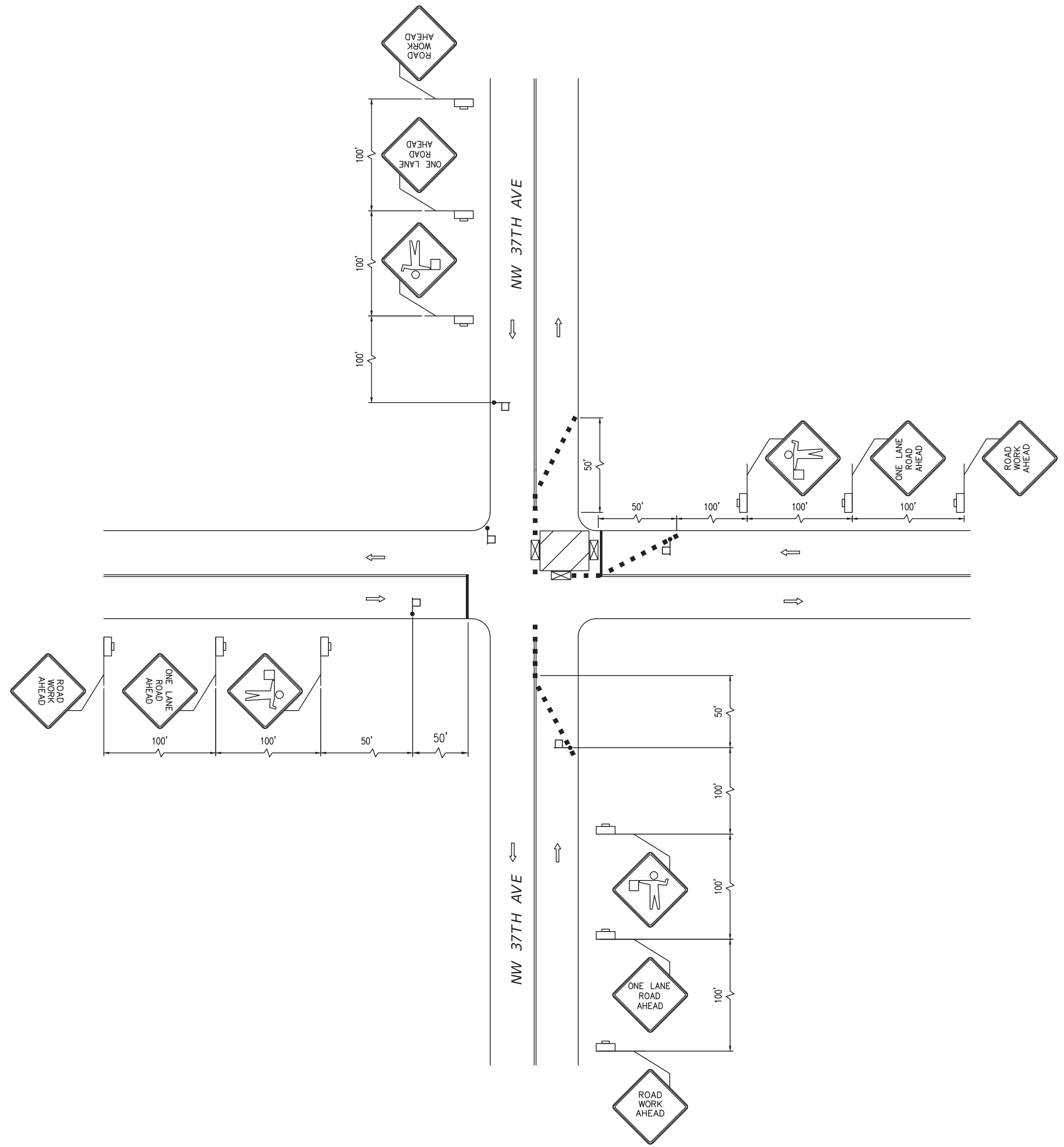
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	REVISION #1	10/11/21	D.O.

APPROVALS	
PROJECT MGR:	CHECKED: H.L.
DESIGNED: J.F.	DRAWN: D.O.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932



CLOSURE AT SIDE OF INTERSECTION - STANDARD DETAIL 1



CLOSURE AT SIDE OF INTERSECTION - STANDARD DETAIL 2

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEAUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

HBC Engineering Company
CA No.: 27160
8935 NW 35th STREET, SUITE 201
MIAMI, FL 33172
305-232-7932
www.hbcengineeringco.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ISD PROJECT No. E15-WASD-03B
ER S050015; PCTS No. 16073

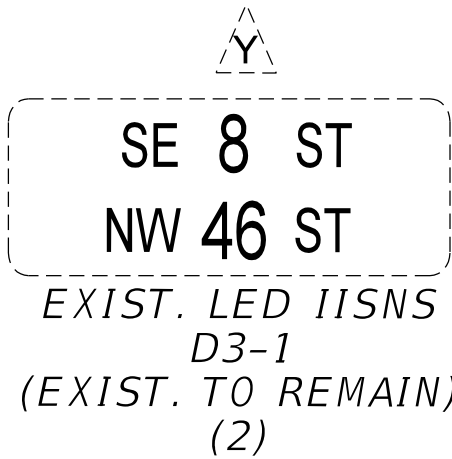
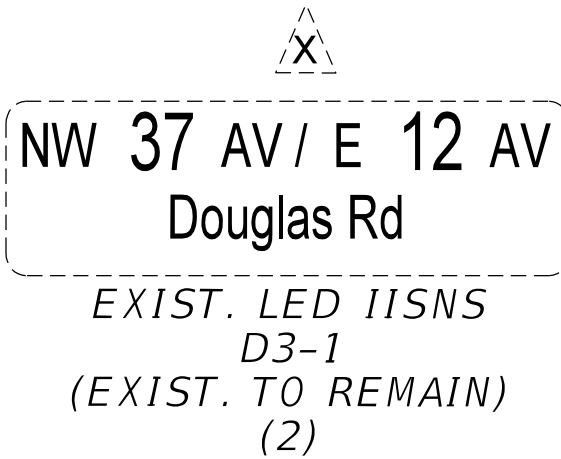
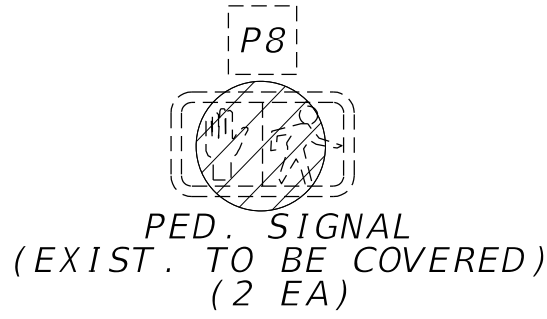
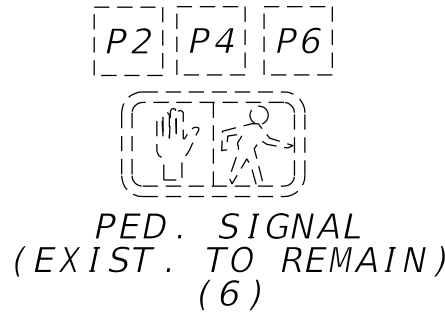
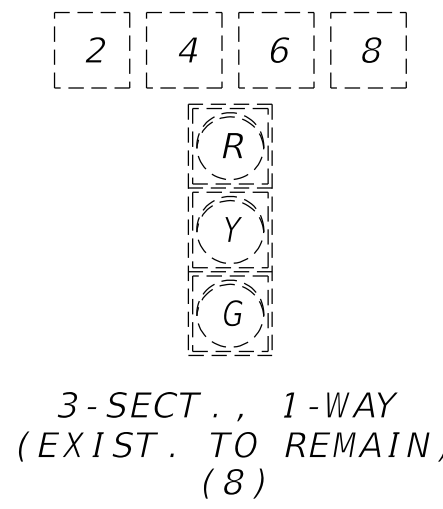
DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/21/20	H.L.	
1 PERMIT SUBMITTAL	10/28/20	H.L.	
1 PERMIT RESUBMITTAL	1/20/21	H.L.	
1 100% SUBMITTAL	03/05/21	H.L.	

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS			
PROJECT MGR:	CHECKED:	H.L.	
DESIGNED: J.F.	DRAWN: D.O.		
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

HERNAN A. LUGO, P.E.
CIVIL ENGINEER
State of Florida - License No. 74961
8935 NW 35th LN, SUITE 201,
MIAMI FL 33172
(305) 232-7932

SIGNAL HEAD & SIGN DETAILS



CONTROLLER OPERATION:

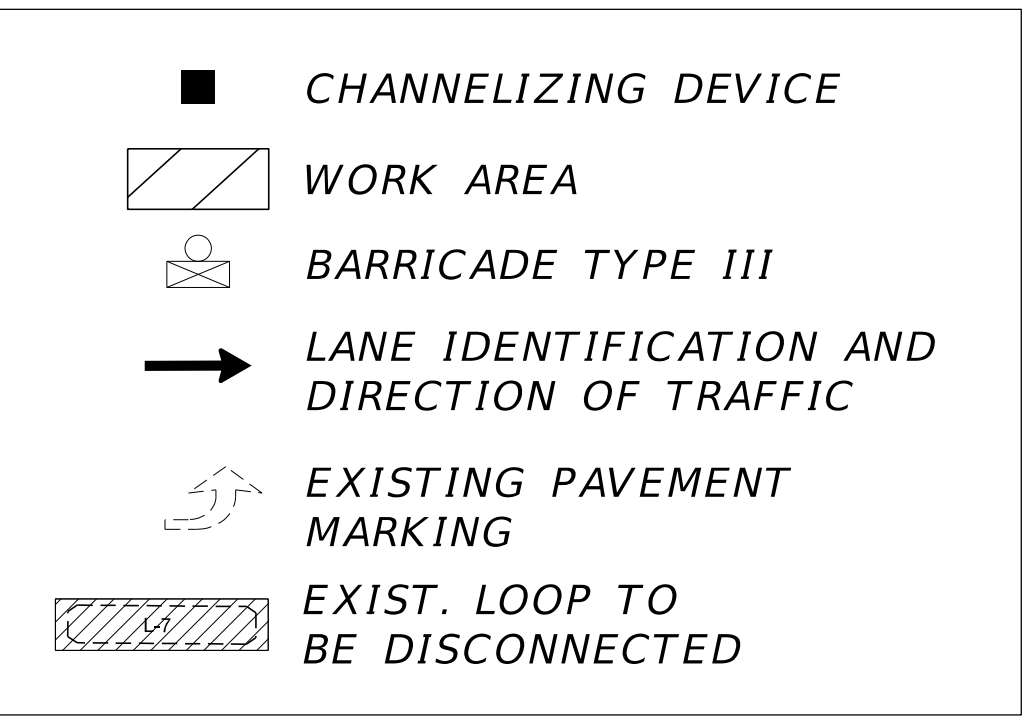
1. MAJOR STREET: NW 37 AVE/ E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

NOTES:

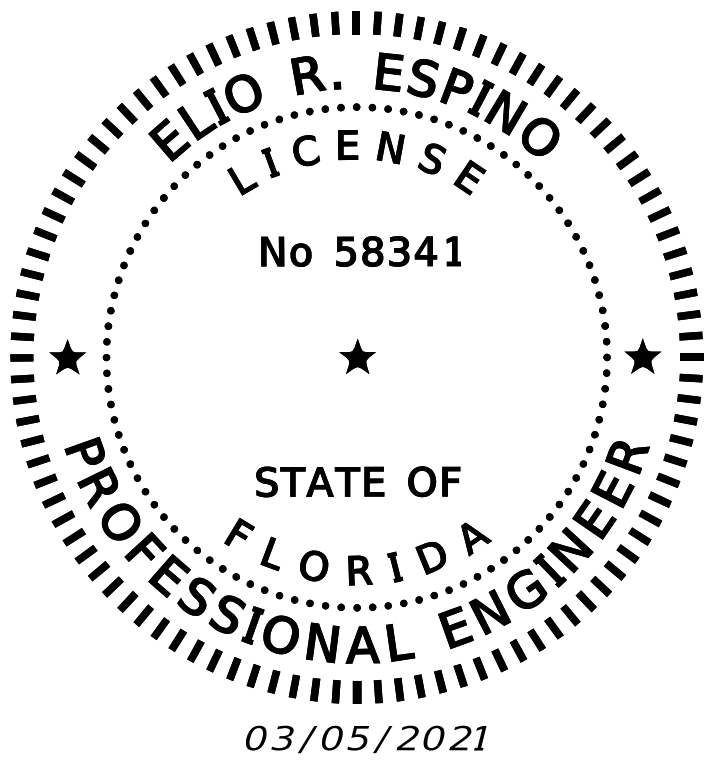
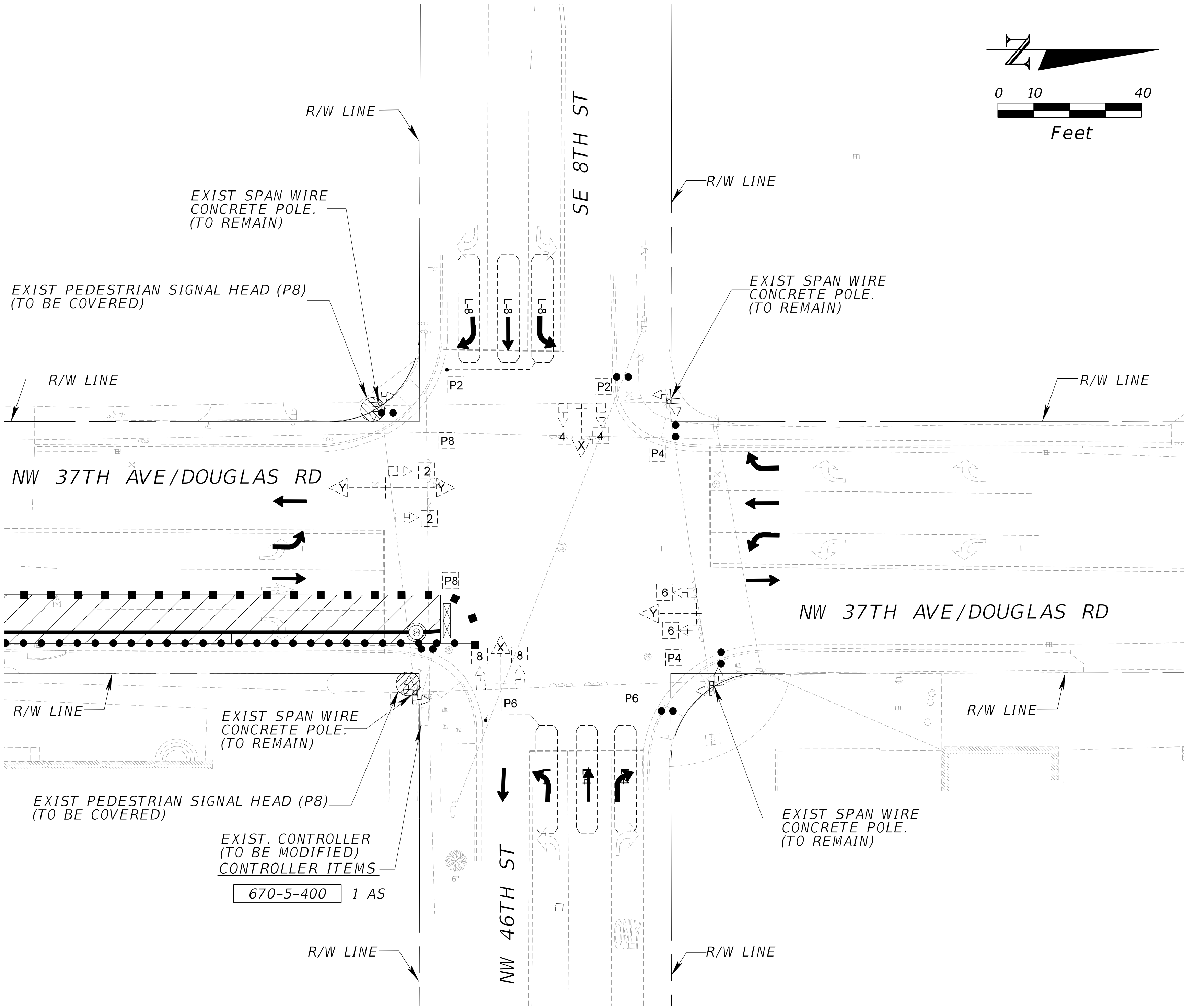
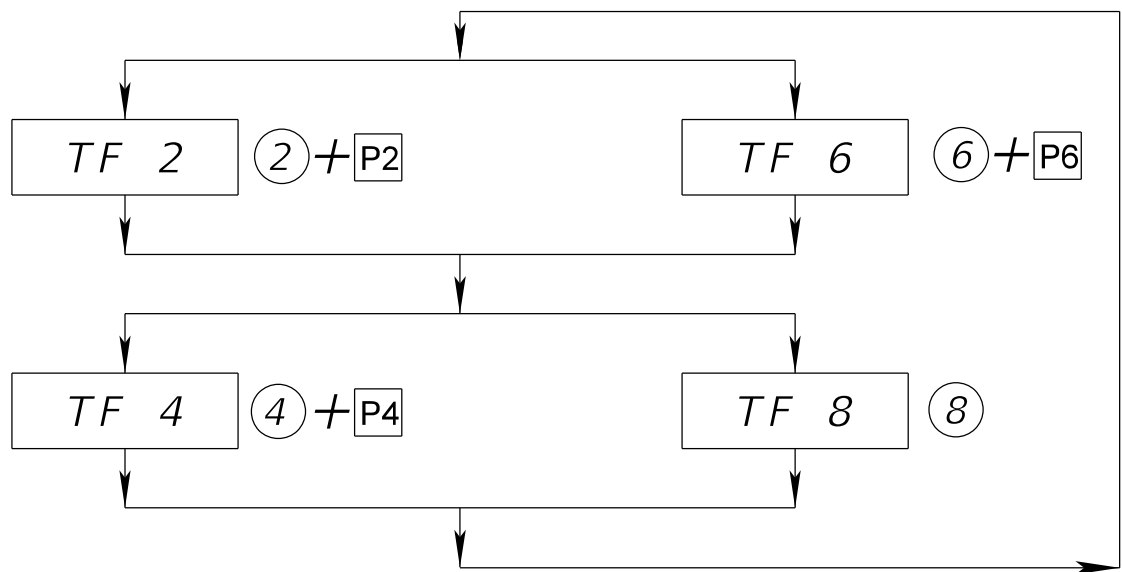
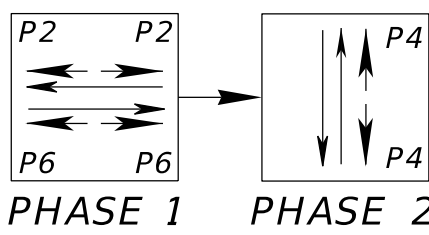
1. PEDESTRIAN HEADS P8 TO BE BAGGED.
2. SIGNAL TO REMAIN ON AT ALL TIME.

EXIST. DETECTORS FOR LOOP		
LOOP	NO. OF EXIST. LOOPS	NO. EXIST. OF DETS.
L-4	3	2
L-8	3	2

LEGEND



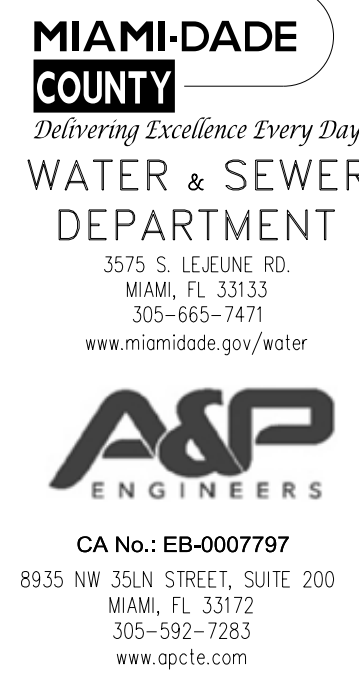
PROP. S.O.P.



PHASE II

TEMPORARY SIGNALIZATION
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST

ID NO. 2903



PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

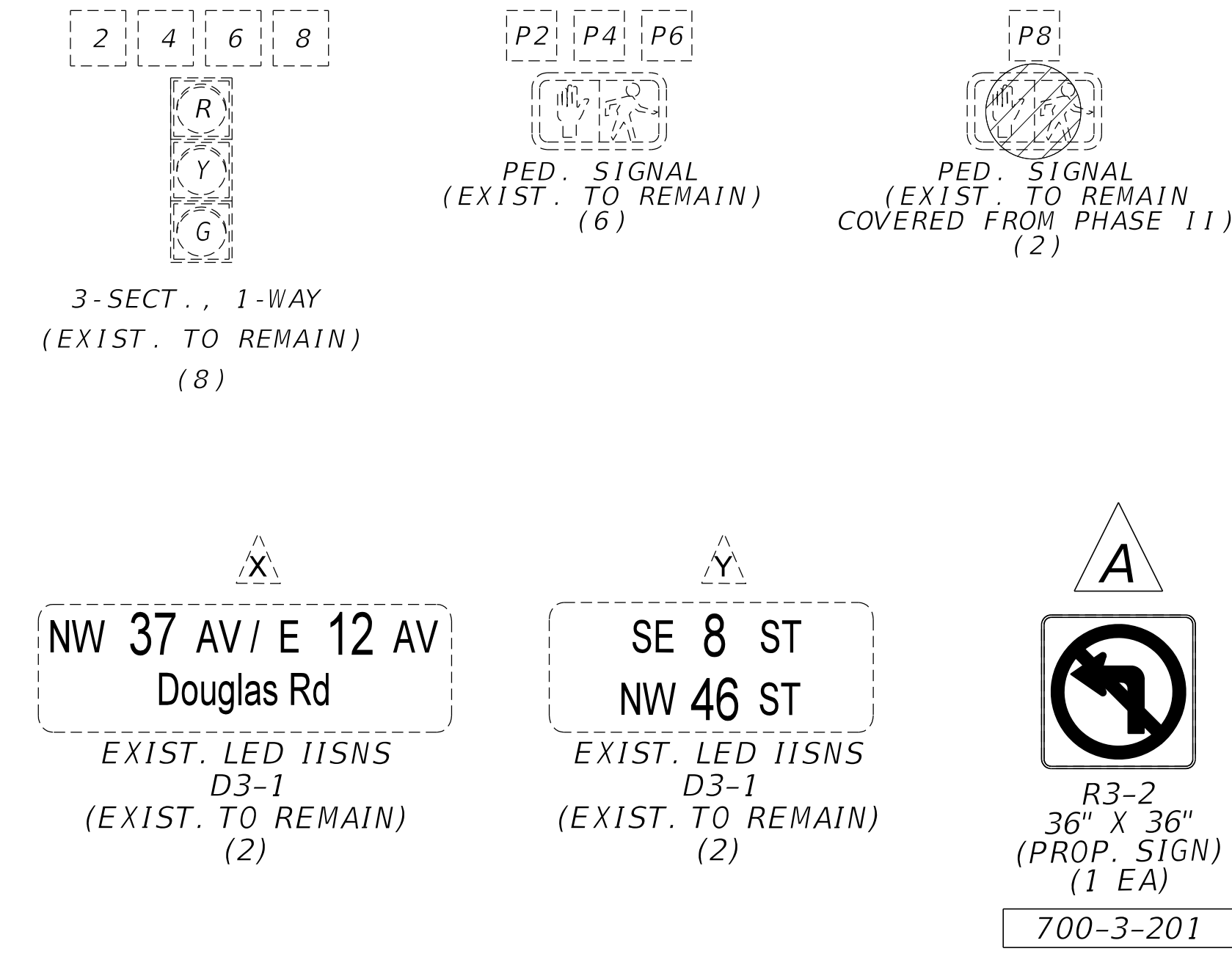
DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 85 OF 104	
DWG. No.	

SIGNAL HEAD & SIGN DETAILS

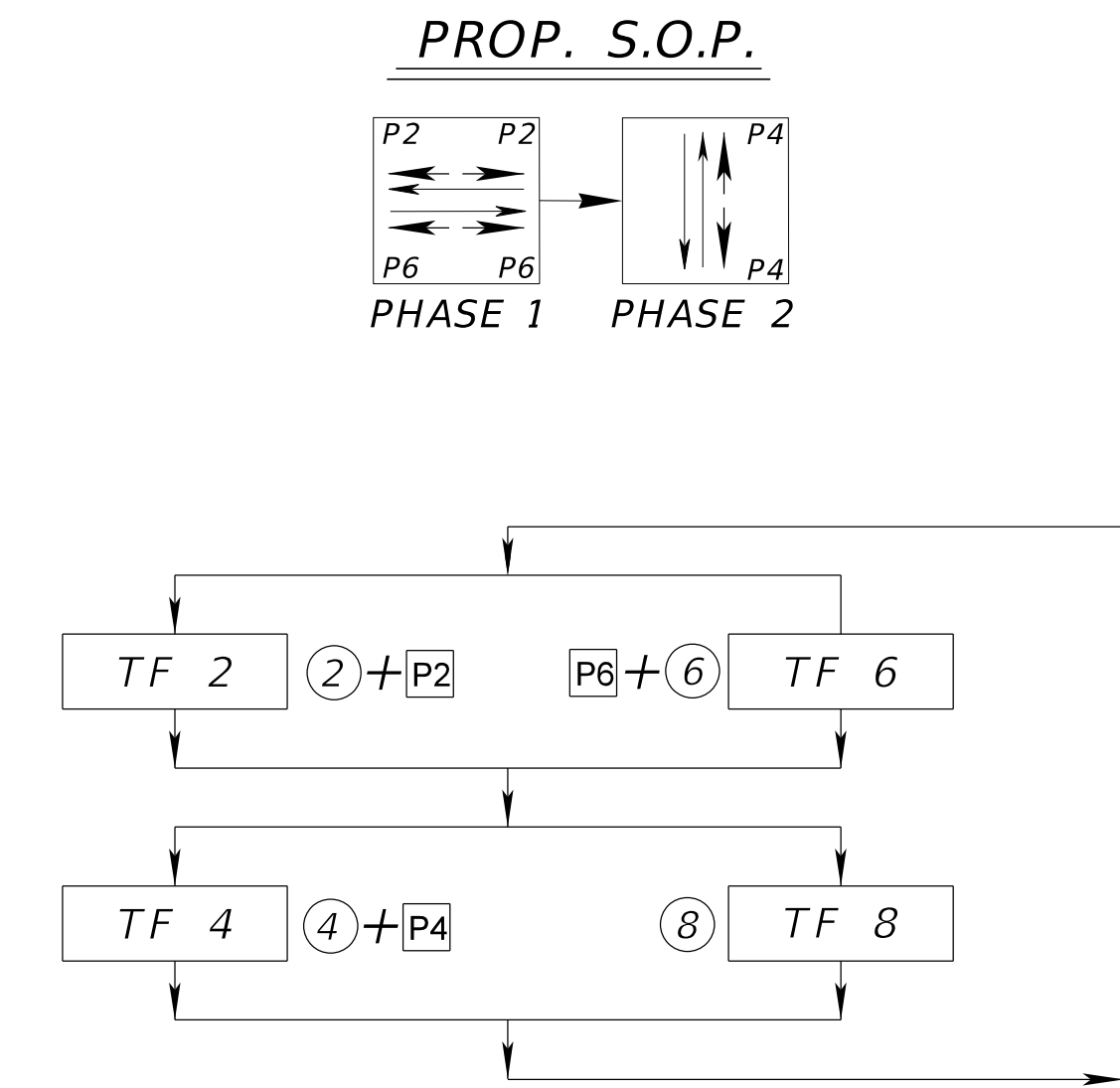


CONTROLLER OPERATION:

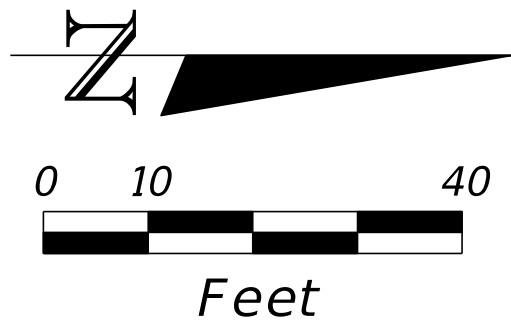
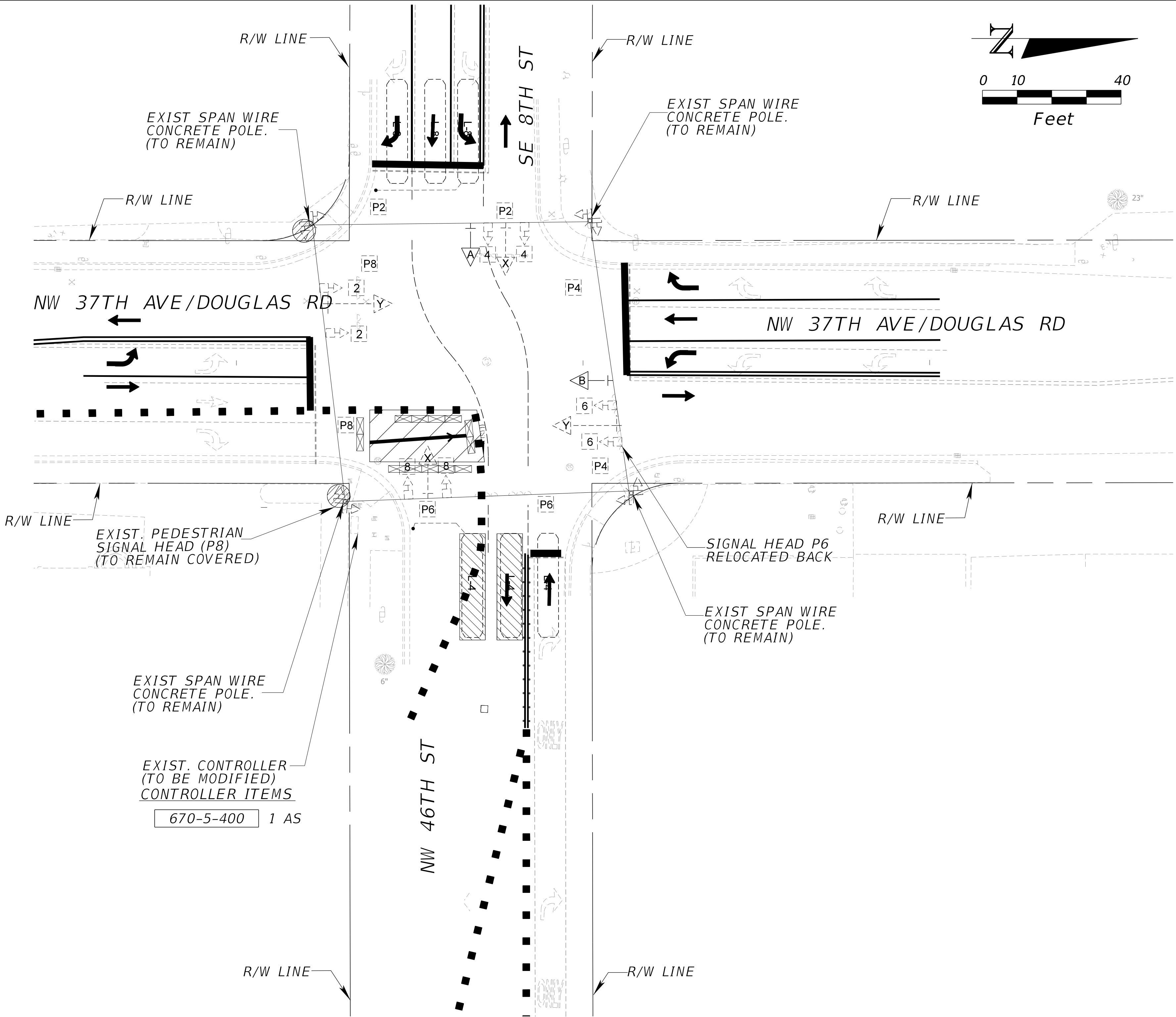
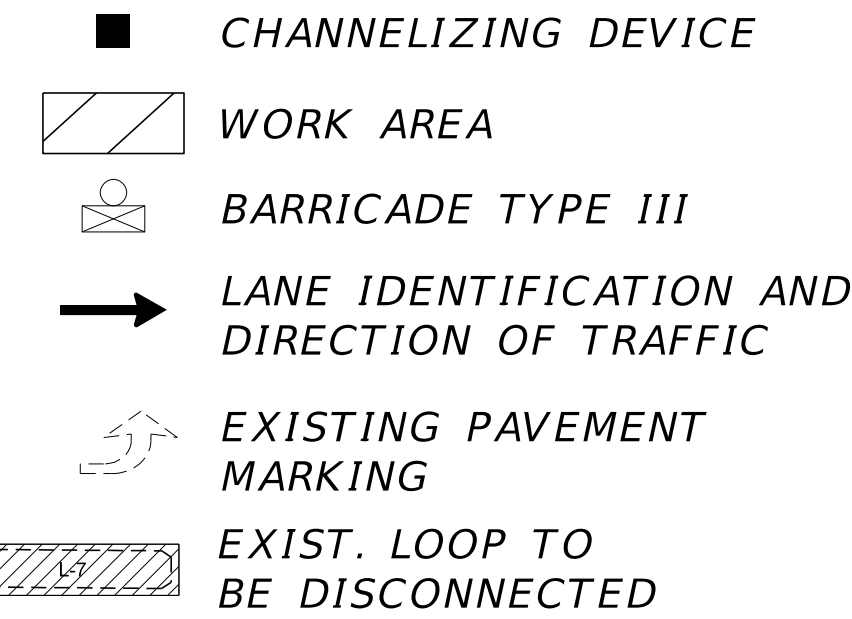
1. MAJOR STREET: NW 37 AVE / E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

NOTES:

1. PEDESTRIAN HEADS P8 TO BE BAGGED. (DONE IN PREVIOUS PHASE)
2. DISABLE DETECTION L-4 (TWO INSIDE LANES).
3. SIGNAL TO REMAIN ON AT ALL TIME.



LEGEND



PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

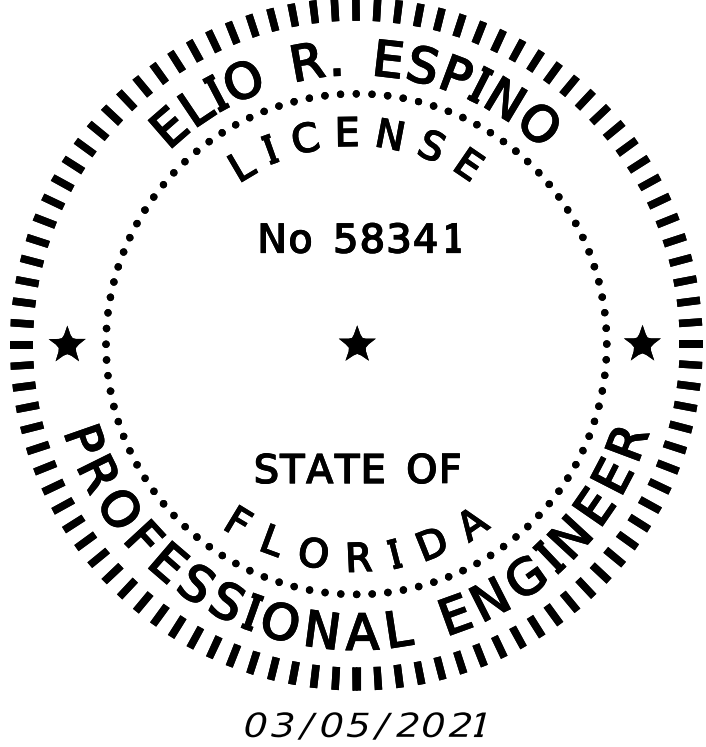
DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 86 OF 104	
DWG. No.	

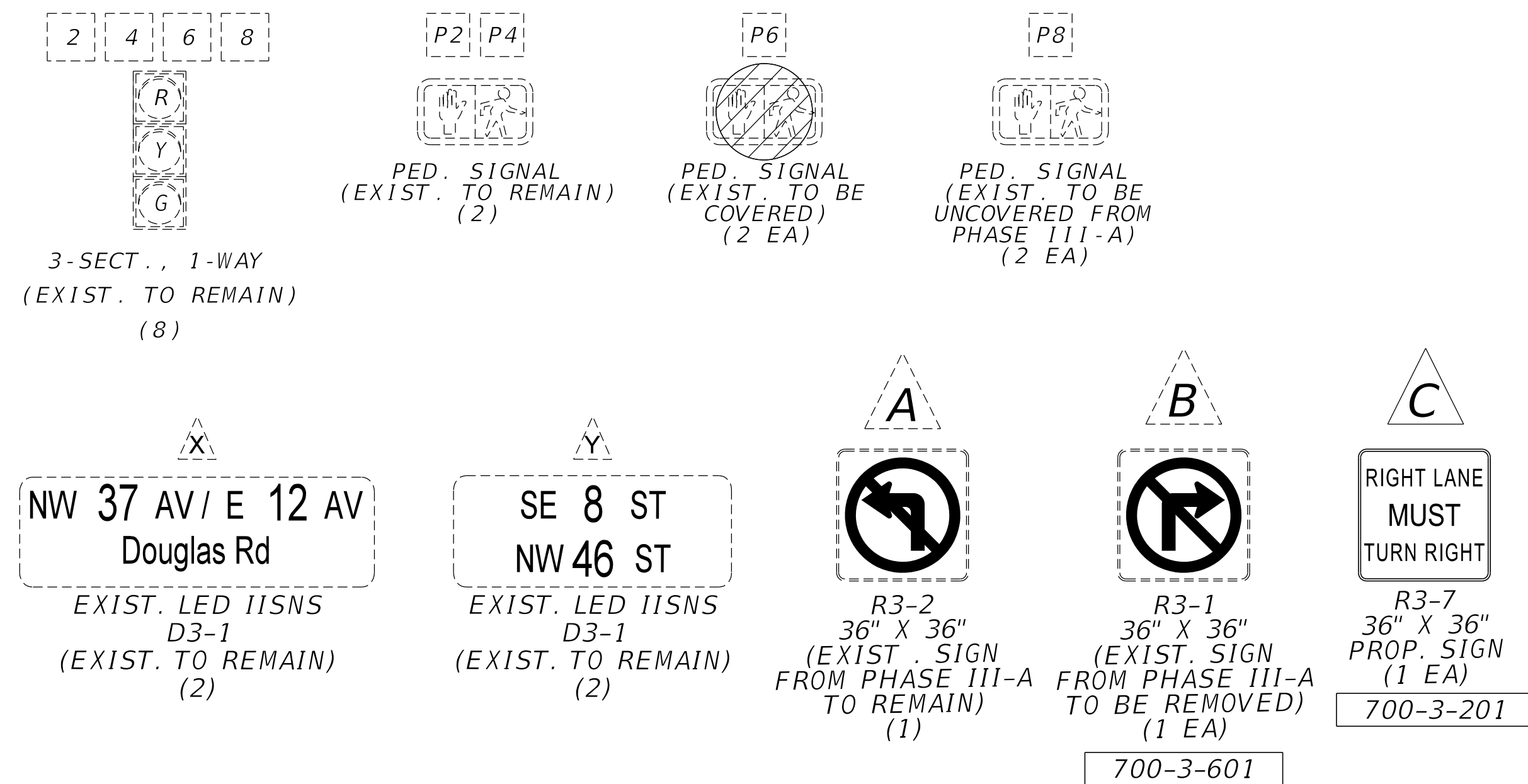


PHASE III-A

TEMPORARY SIGNALIZATION
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST

ID NO. 2903

SIGNAL HEAD & SIGN DETAILS



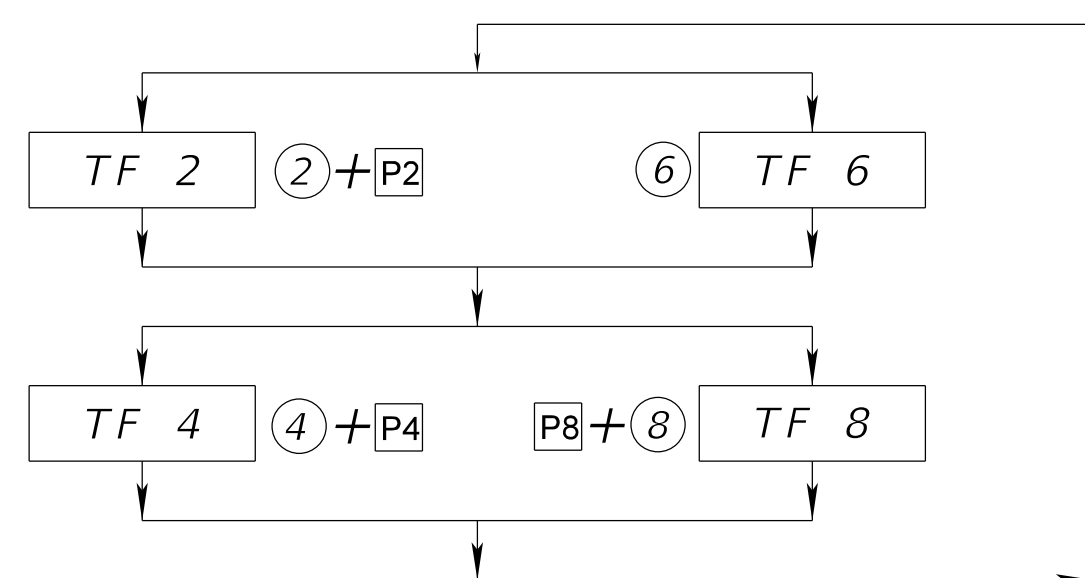
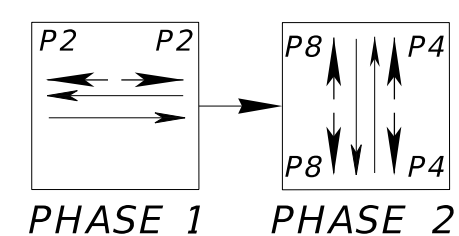
CONTROLLER OPERATION:

1. MAJOR STREET: NW 37 AVE/ E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

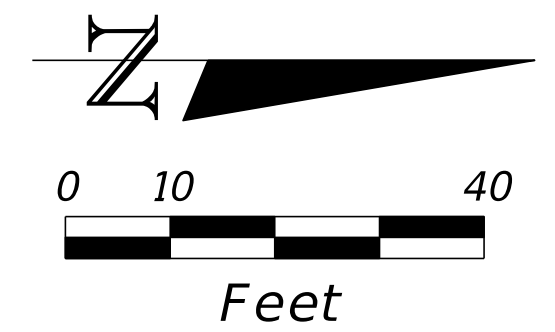
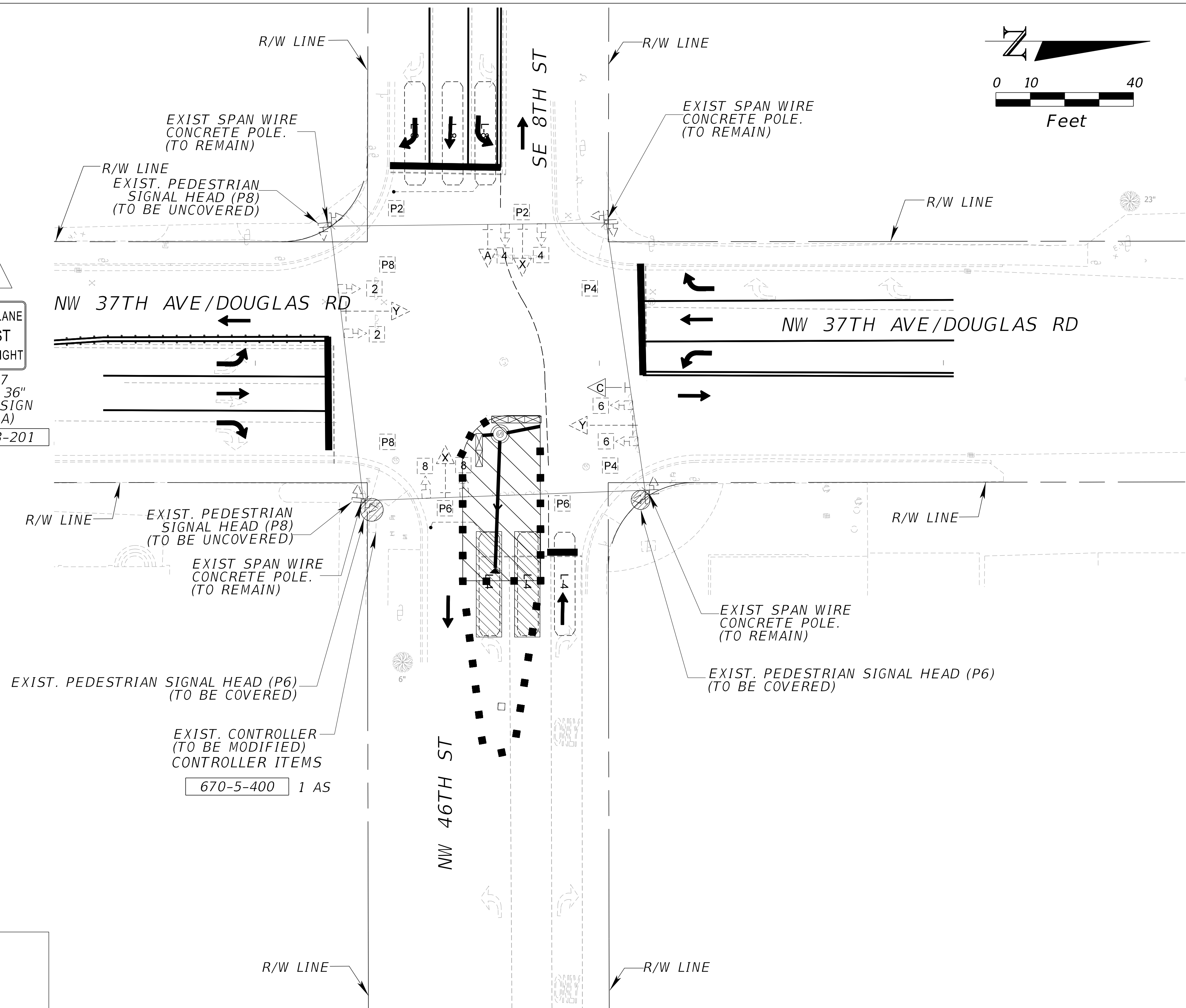
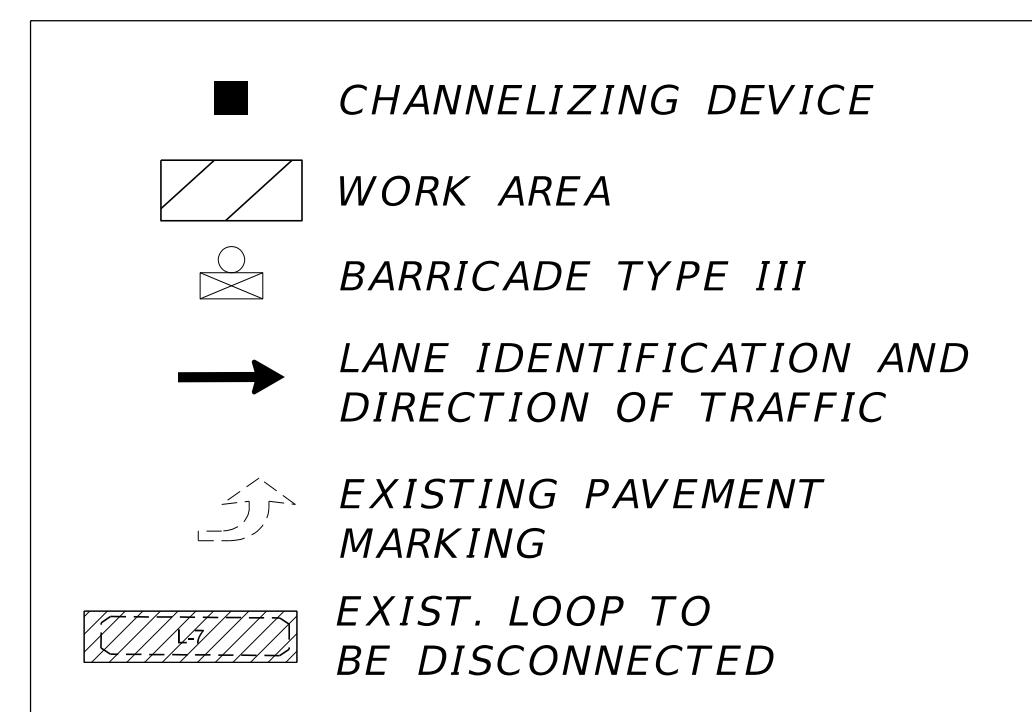
NOTES:

1. UNCOVER PEDESTRIAN HEADS P8.
PEDESTRIAN HEADS P6 TO BE BAGGED.
2. (DISABLE DETECTION L-4 (TWO INSIDE LANES)) (DONE IN PREVIOUS PHASE).
3. SIGNAL TO REMAIN ON AT ALL TIMES.

PROP. S.O.P.



LEGEND



**MIAMI-DADE
COUNTY**
Delivering Excellence Every Day
**WATER & SEWER
DEPARTMENT**
3575 S. LEJEUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797

1935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR		DATE	BY
1	90% SUBMITTAL	08/28/20	ERE
2	PERMIT SUBMITTAL	10/28/20	ERE
3	PERMIT RESUBMITTAL	03/16/21	ERE
4	100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR:	CHECKED: D.P.,
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

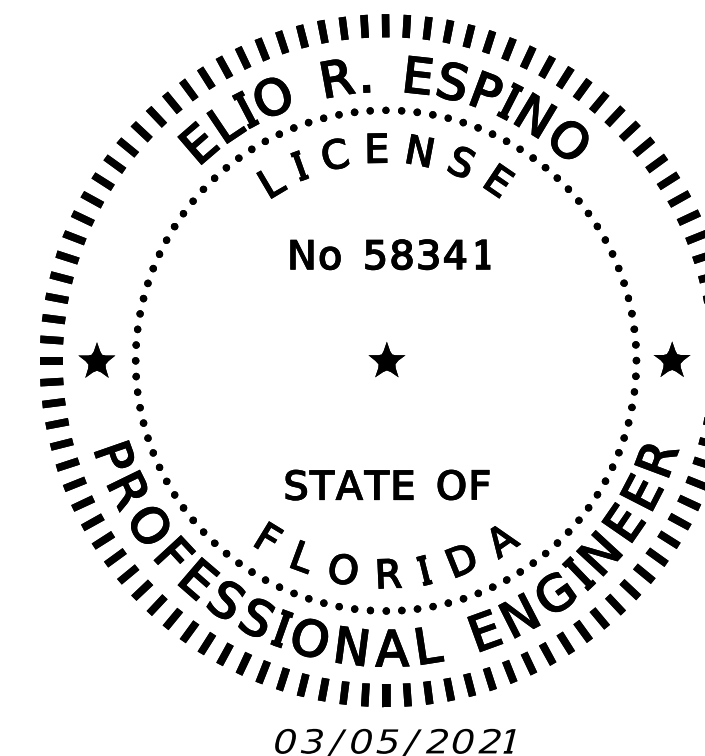
ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL. 33178
(305) 592-7283

FILE NAME:

DATE: 03/05/21	SCALE: 1"=40'
----------------	---------------

SHEET	87	OF	104
-------	----	----	-----

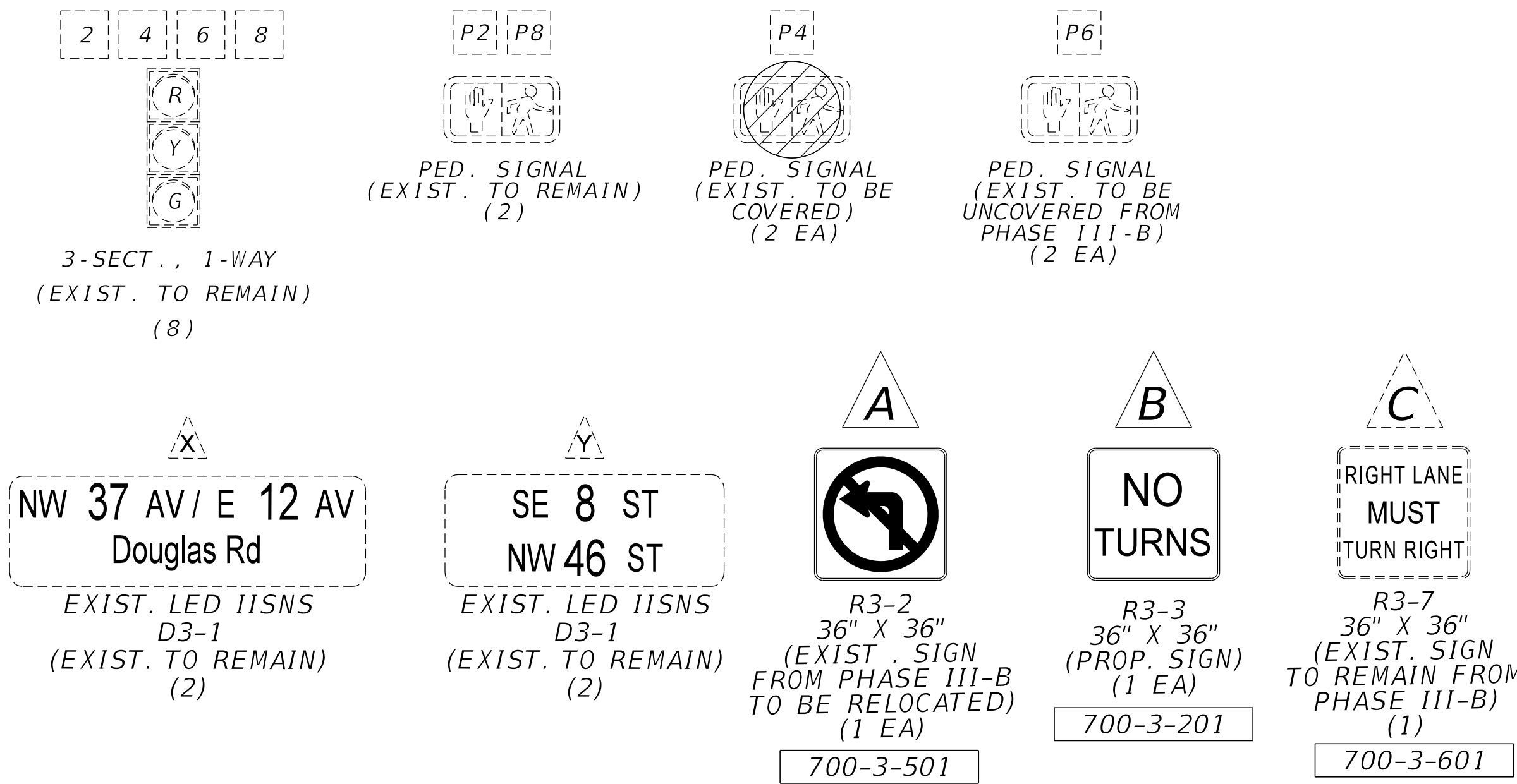
3	DWG. No.
---	----------



PHASE III-B

TEMPORARY SIGNALIZATION		ID NO. 2903
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST		

SIGNAL HEAD & SIGN DETAILS



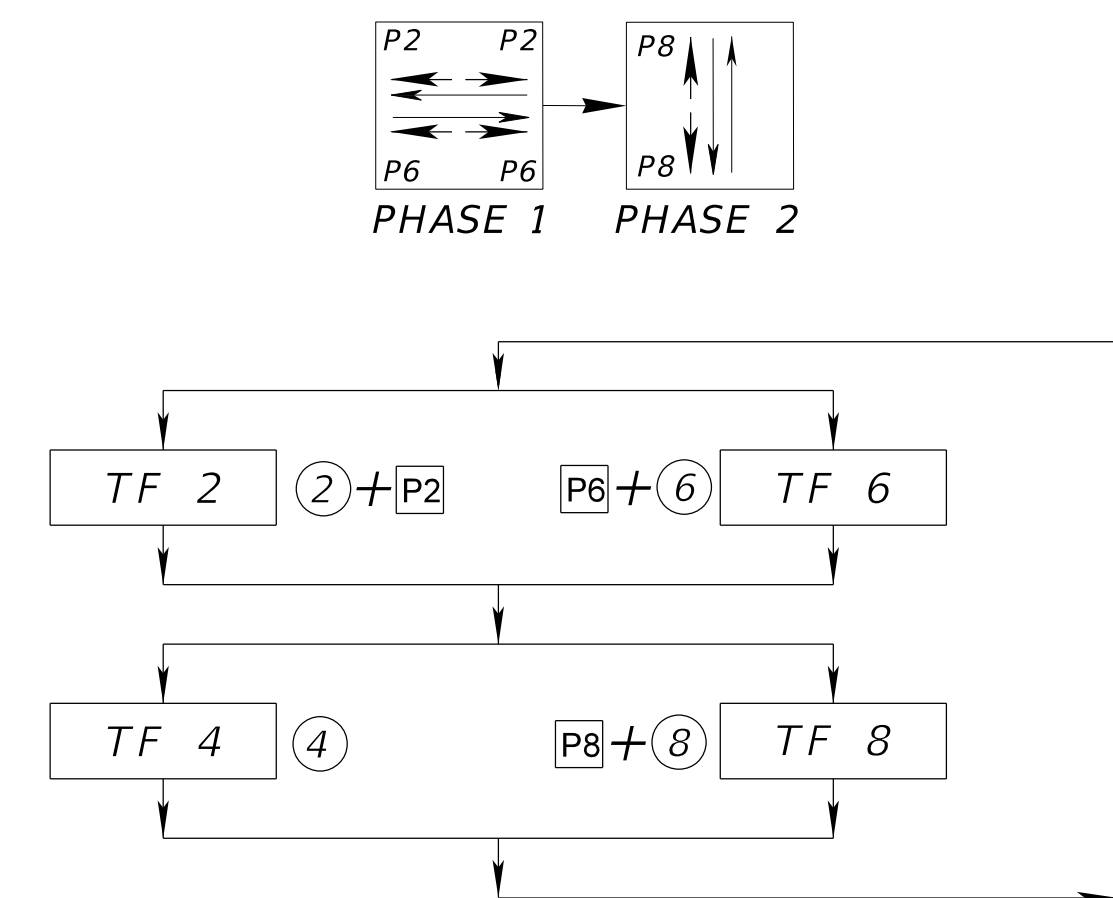
CONTROLLER OPERATION:

1. MAJOR STREET: NW 37 AVE/ E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

NOTES:

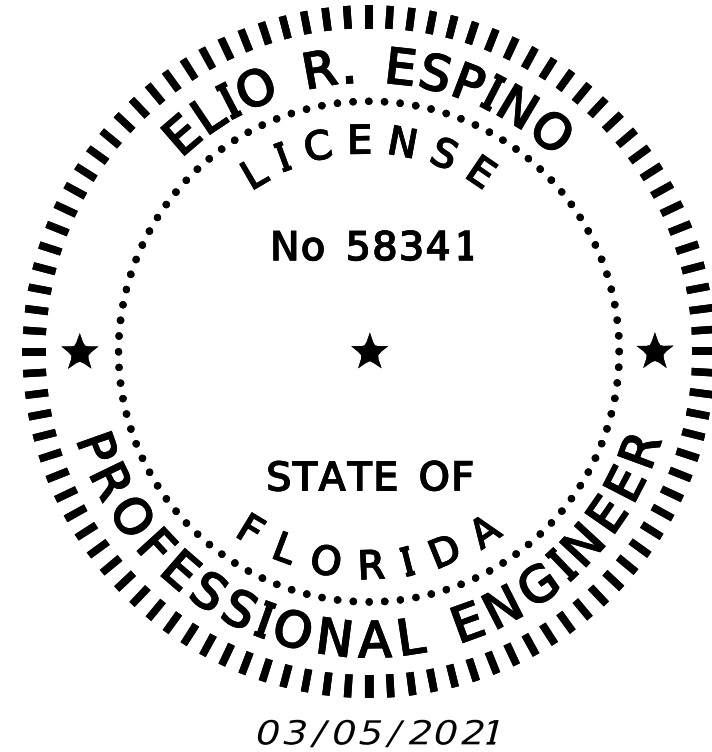
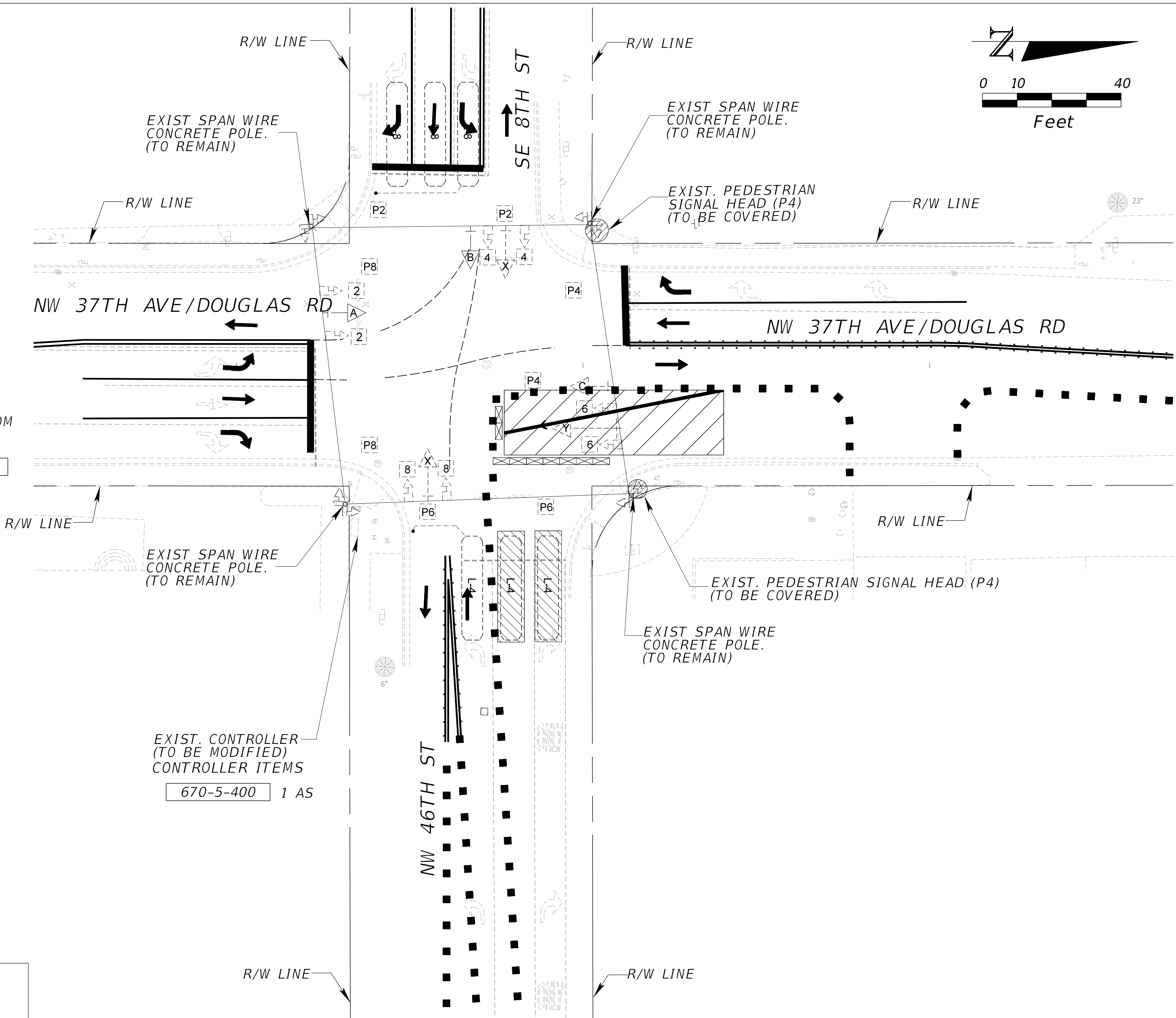
1. UNCOVER PEDESTRIAN HEADS P6.
PEDESTRIAN HEADS P4 TO BE BAGGED.
2. RE-ENABLE L-4 DETECTION (INSIDE LANE).
DISABLE L-4 DETECTION (TWO OUTSIDE LANES)
3. SIGNAL TO REMAIN ON AT ALL TIMES.

PROP. S.O.P.



LEGEND

- CHANNELIZING DEVICE
- WORK AREA
- BARRICADE TYPE III
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING
- EXIST. LOOP TO BE DISCONNECTED



PHASE III-C

TEMPORARY SIGNALIZATION
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST ID NO. 2903

MIAMI-DADE
COUNTY
Delivering Excellence Every Day
WATER & SEWER
DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

ASP
ENGINEERS
CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcle.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY

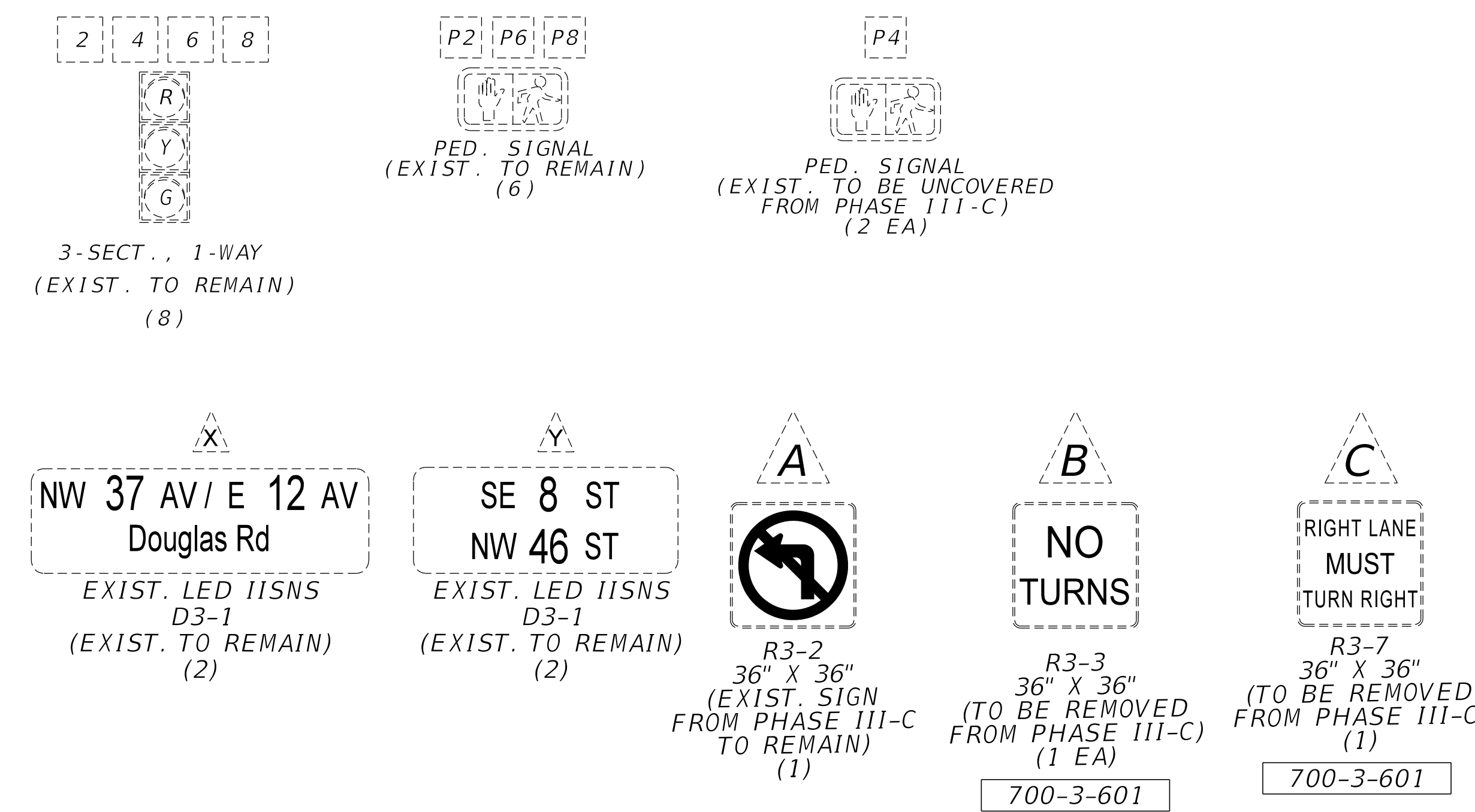
APPROVALS

PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:

DATE: 03/05/21	SCALE: 1"=40'
SHEET 88 OF 104	
DWG. No.	

SIGNAL HEAD & SIGN DETAILS

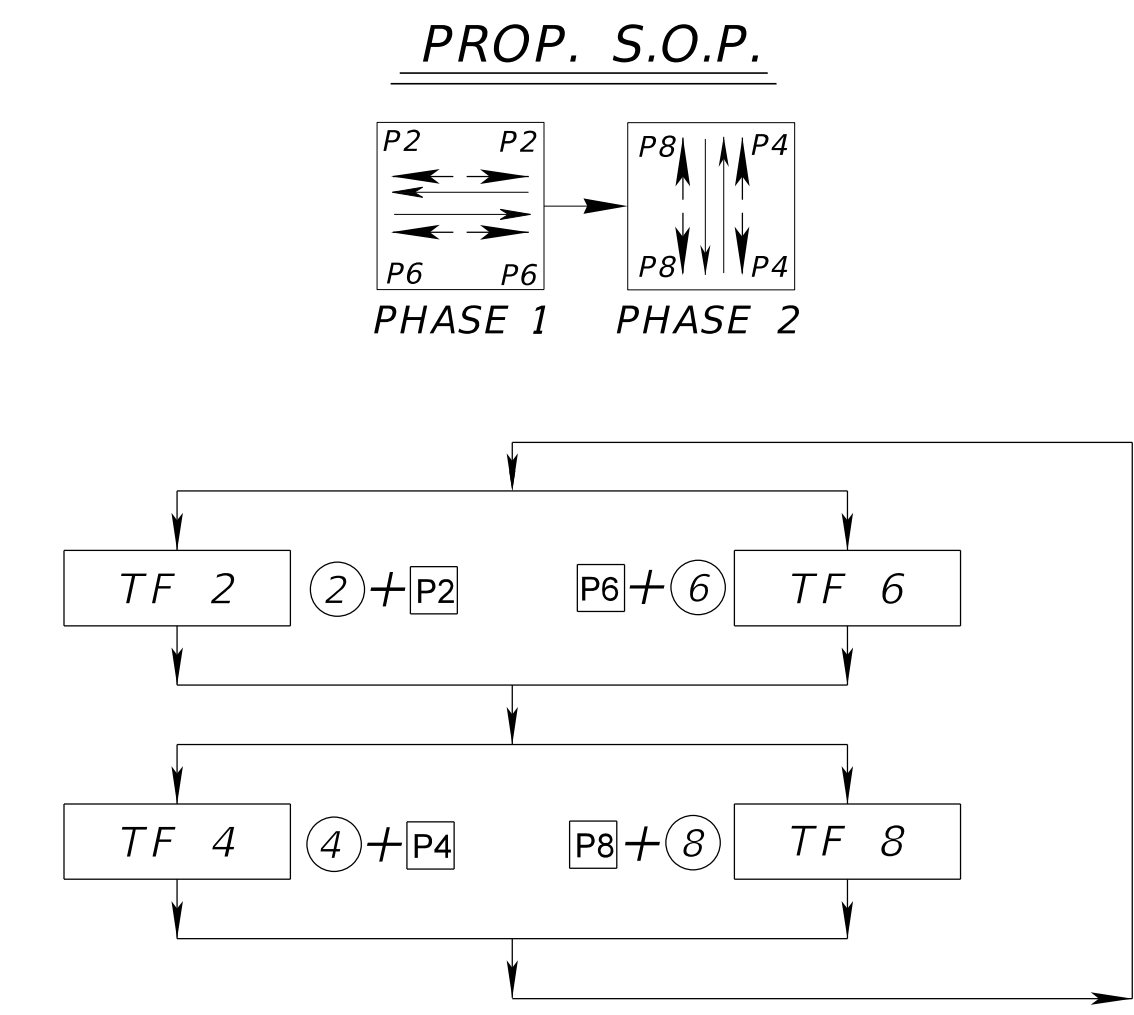


CONTROLLER OPERATION:

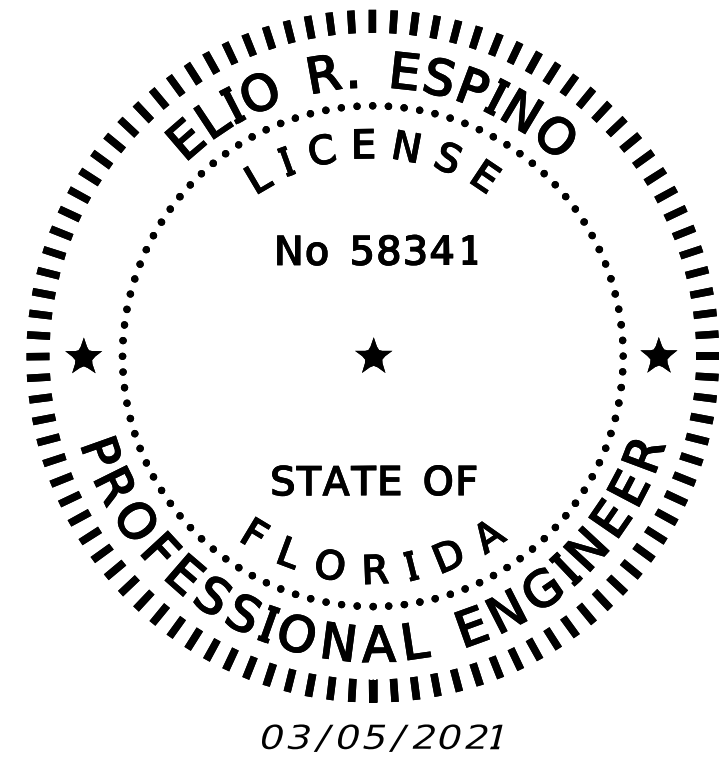
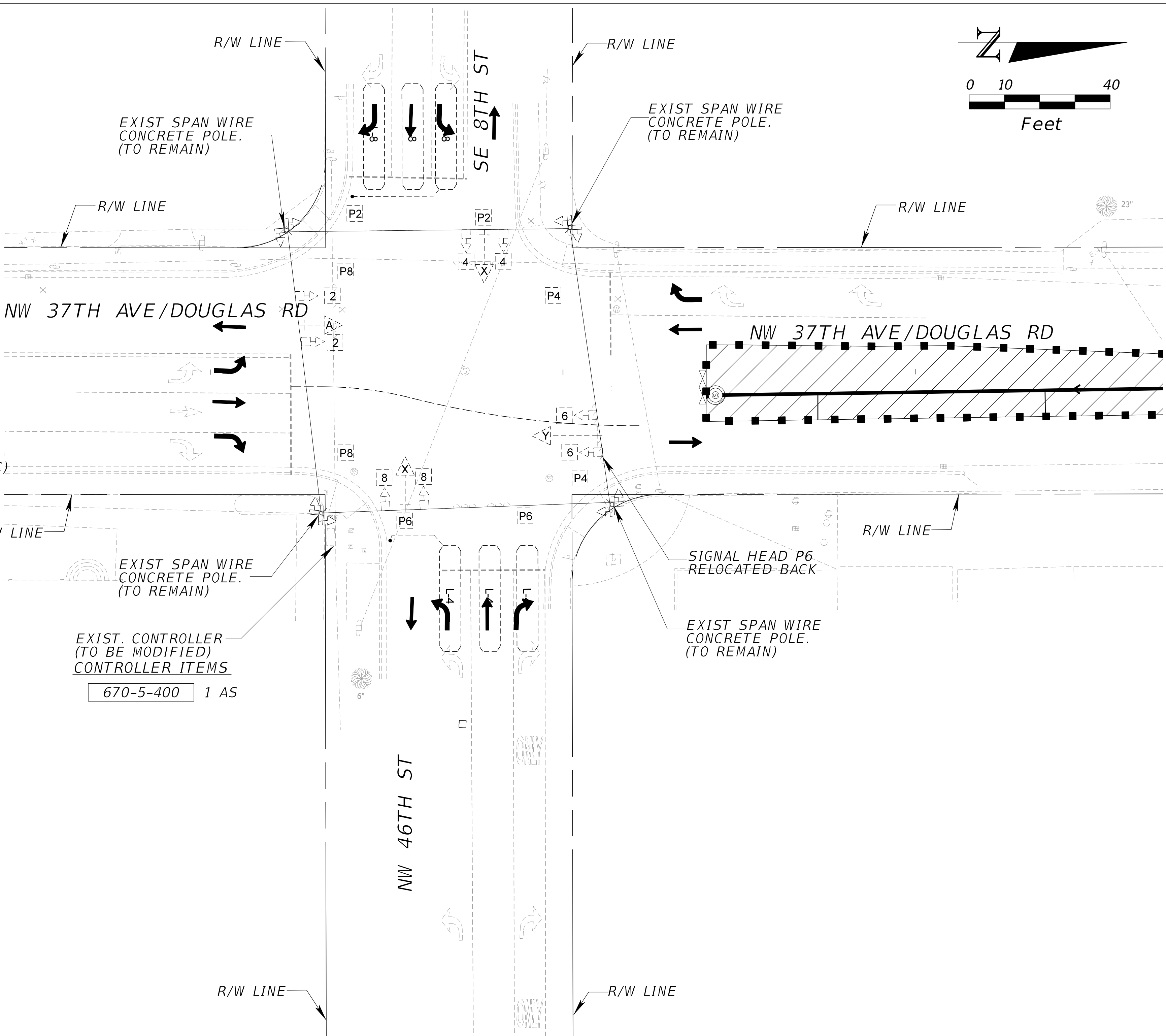
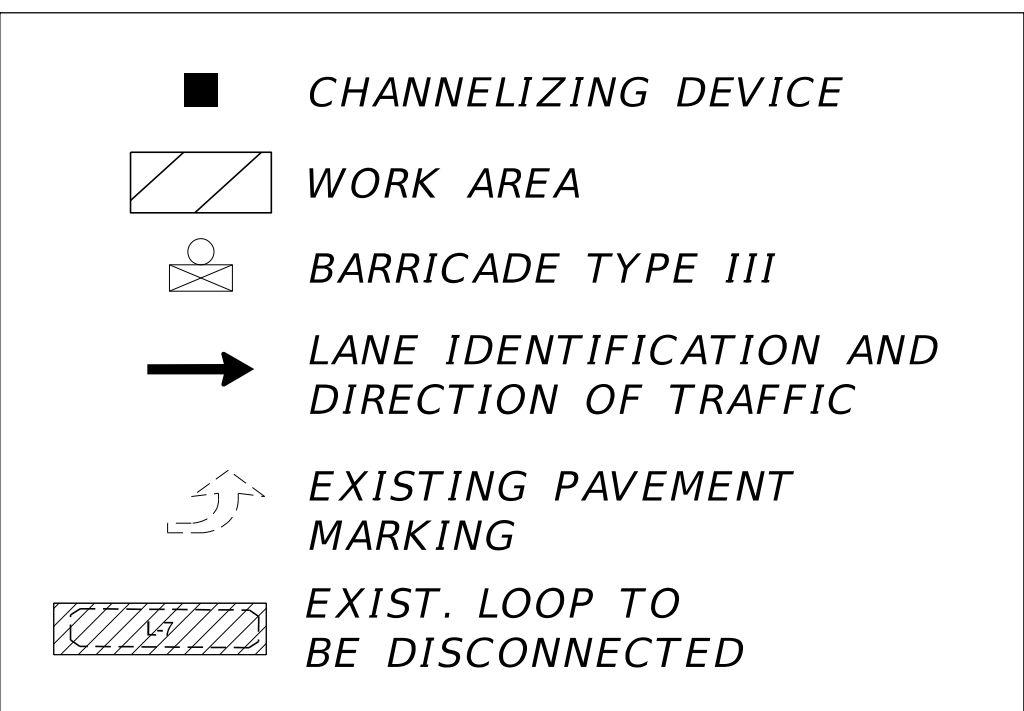
1. MAJOR STREET: NW 37 AVE / E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

NOTES:

1. PEDESTRIAN HEADS P4 TO BE UNCOVERED.
2. ENABLE ALL LOOPS
3. SIGNAL TO REMAIN ON AT ALL TIME.



LEGEND



PHASE IV-A

TEMPORARY SIGNALIZATION
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST ID NO. 2903

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

ASP ENGINEERS
CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcle.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 89 OF 104	
DWG. No.	

SIGNAL HEAD & SIGN DETAILS

2

4

6

8

R

Y

G

3-SECT., 1-WAY
(EXIST. TO REMAIN)
(8)

P2

P4

P6

P8

PED.

SIGNAL

PED. SIGNAL
(EXIST. TO REMAIN)
(8)

A

R3-2

36" X 36"

(EXIST. SIGN
FROM PHASE IV-A
TO BE REMOVED)
(1 EA)

700-3-601

D

R10-11

36" X 36"

(PROP. SIGN)
(1 EA)

700-3-201

X

NW 37 AV / E 12 AV

Douglas Rd

EXIST. LED TISNS
D3-1
(EXIST. TO REMAIN)
(2)

Y

SE 8 ST

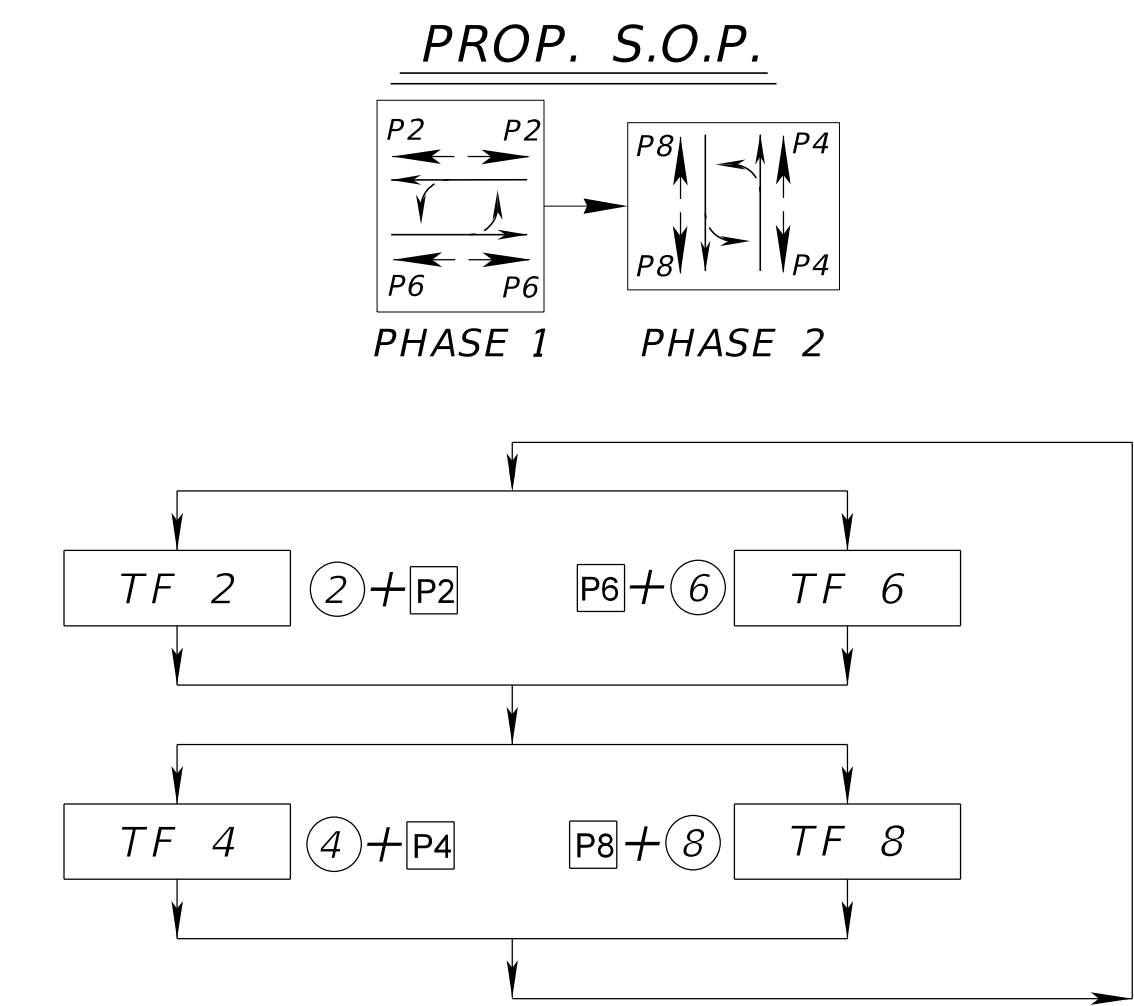
NW 46 ST

EXIST. LED TISNS
D3-1
(EXIST. TO REMAIN)
(2)

CONTROLLER OPERATION:

1. MAJOR STREET: NW 37 AVE / E 12 AVE / DOUGLAS RD
MINOR STREET: SE 8 ST / NW 46 ST
2. PHASE 1 & 2 ON RECALL
3. SOP: AS SHOWN

EXIST. DETECTORS FOR LOOP		
LOOP	NO. EXIST. OF LOOPS	NO. EXIST. OF DETS.
L-4	3	2
L-8	3	2



LEGEND

■

CHANNELIZING DEVICE

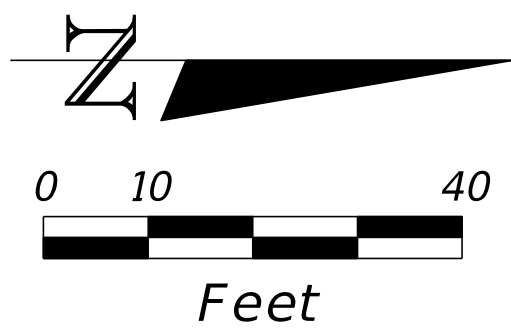
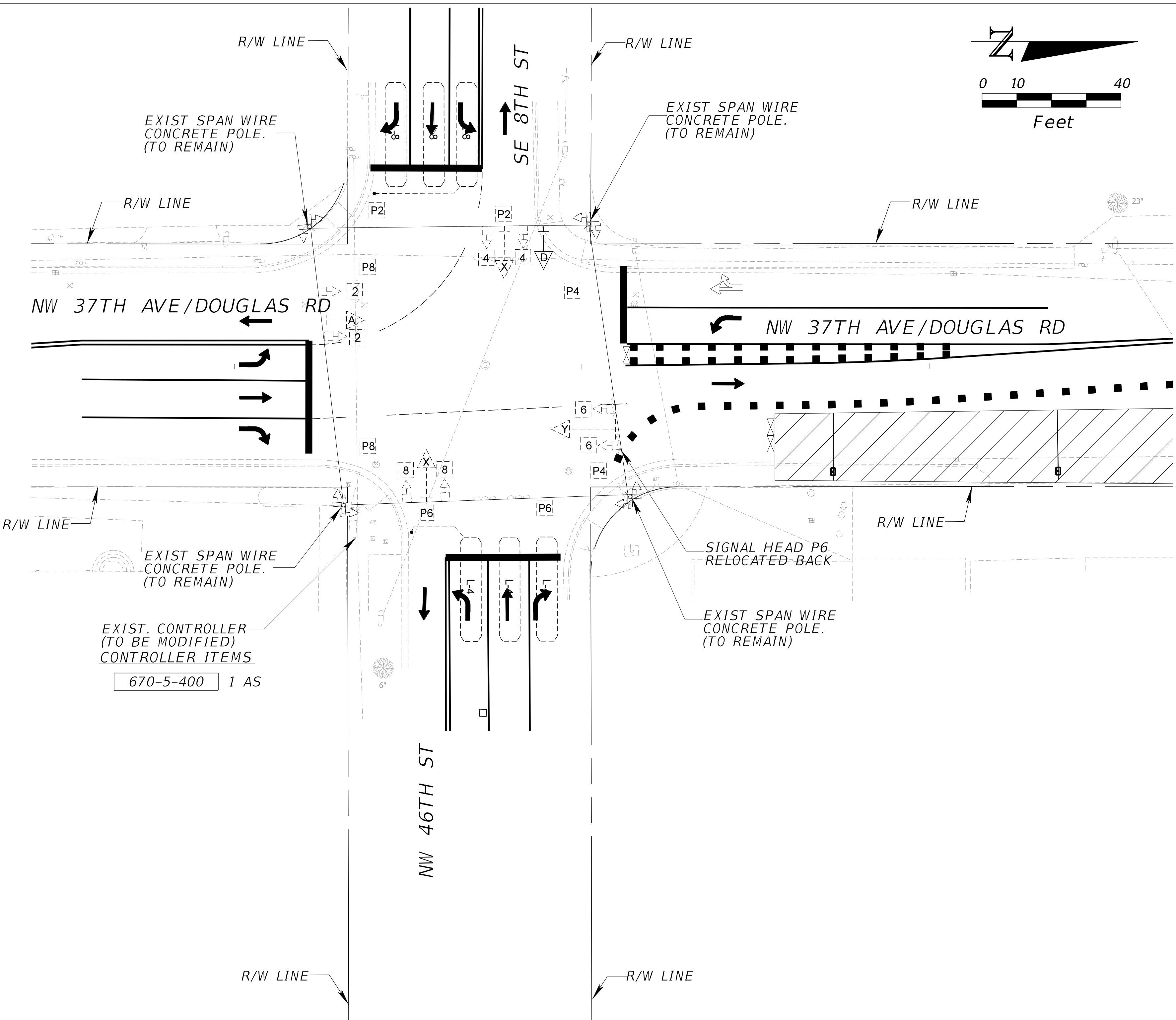
WORK AREA

BARRICADE TYPE III

LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC

EXISTING PAVEMENT
MARKING

EXIST. LOOP TO
BE DISCONNECTED



MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

ASP
ENGINEERS

CA No.: EB-0007797

8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

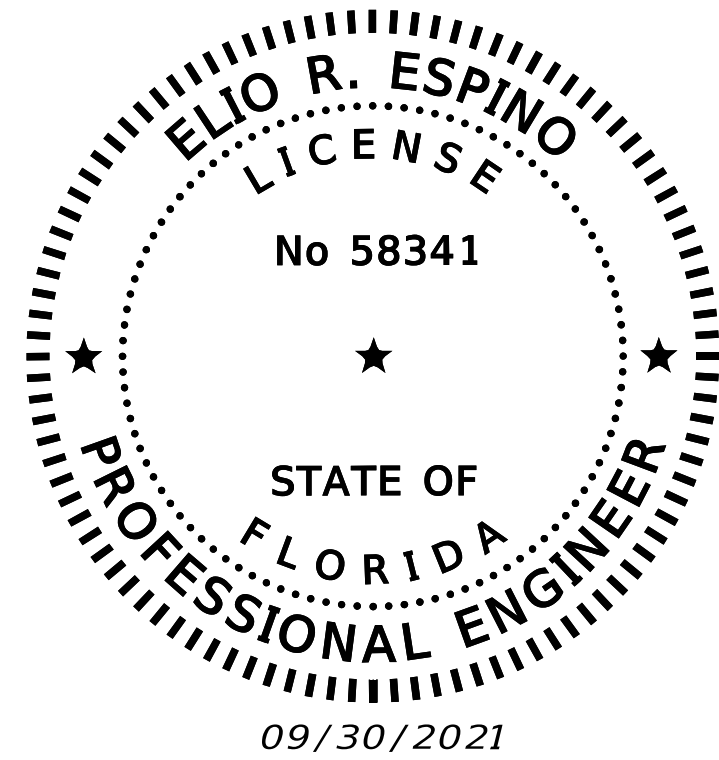
TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY
△	ADDENDUM #1	09/30/21	ERE

APPROVALS	
PROJECT MGR:	CHECKED: E.L.
DESIGNED: H.V.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 89.B OF 104	
DWG. No.	



TEMPORARY SIGNALIZATION
NW 37TH AVE/DOUGLAS RD & SE 8TH ST/NW 46 ST ID NO. 2903

(2903) NW 37 Ave & 46 St (Phases II, III-A, III-B, III-C & IV-A)

Phase Bank 1	Phase 1 NBL	Phase 2 SBT	Phase 3 EBL	Phase 4 WBT	Phase 5 SBL	Phase 6 NBT	Phase 7 WBL	Phase 8 EBT
Max (Limit) 1		60		60		60		60

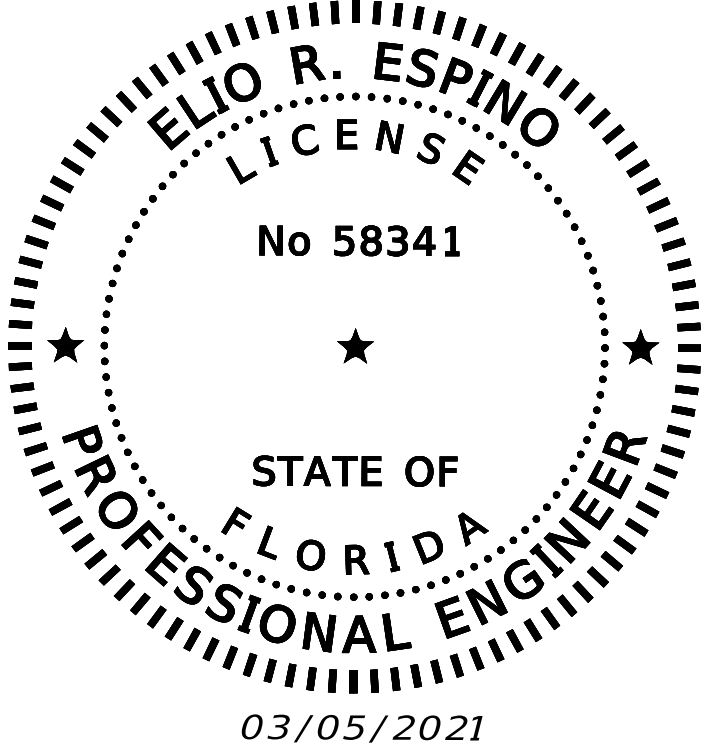
Phase Bank 2	Phase 1 NBL	Phase 2 SBT	Phase 3 EBL	Phase 4 WBT	Phase 5 SBL	Phase 6 NBT	Phase 7 WBL	Phase 8 EBT
Max (Limit) 1		60		65		60		65

Local TOD Schedule								
Time	Plan	DOW						
0	Free	Su	M	T	W	Th	F	S

Local TOD Function								
Time	Settings*	DOW						
0		Su	M	T	W	Th	F	S
700	1		M	T	W	Th	F	
900			M	T	W	Th	F	
1600	1		M	T	W	Th	F	
1900			M	T	W	Th	F	

*Settings
Blank - Free - Phase Bank 1, Max 1
1 - Phase Bank 2, Max 1

Notes:
1. Place Phases 4 and 8 on Max Recall



PHASE II, III-A, III-B, III-C, & IV-A

TEMPORARY SIGNAL TIMING
SE 8TH ST/NW 46TH ST & NW 37TH AVE/DOUGLAS RD ID NO. 2903

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

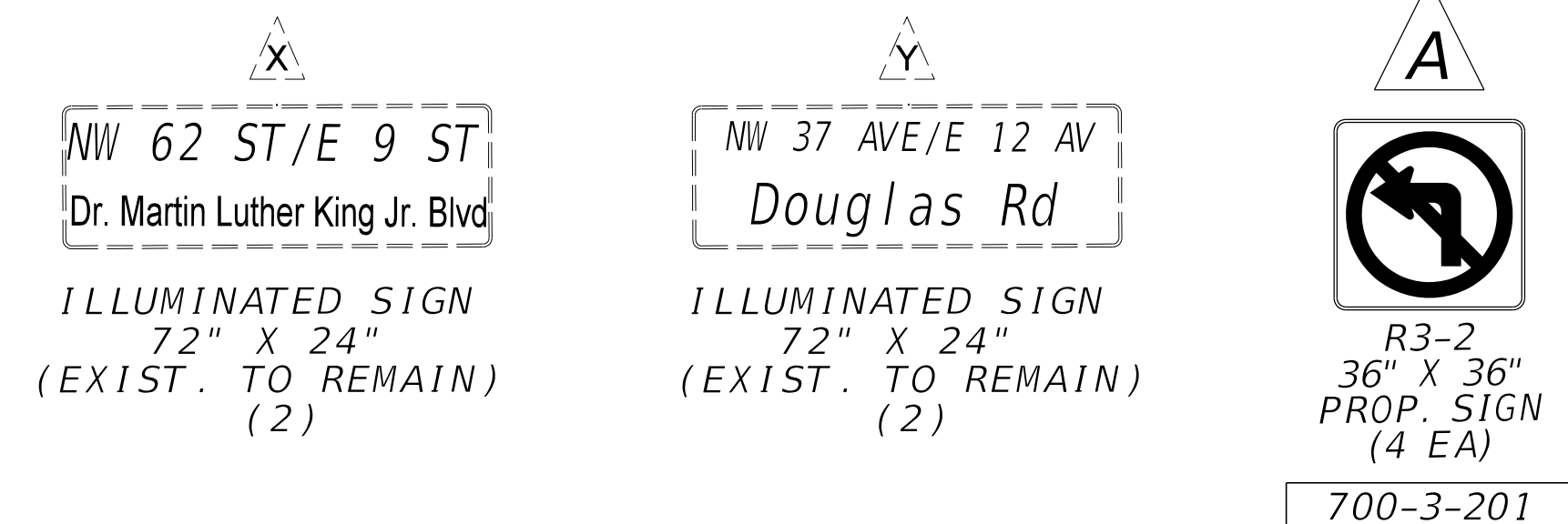
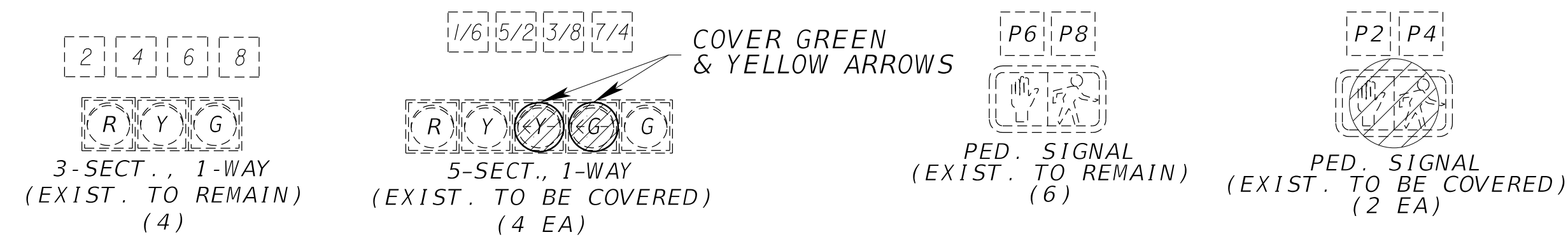
DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/28/20	ERE	
2 PERMIT SUBMITTAL	10/28/20	ERE	
3 PERMIT RESUBMITTAL	01/20/21	ERE	
4 100% SUBMITTAL	03/05/21	ERE	

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P..
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida – License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 90 OF 104	
DWG. No.	

SIGNAL HEAD & SIGN DETAILS



CONTROLLER OPERATION

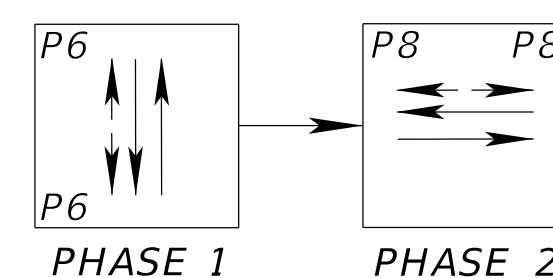
1. MAJOR STREET: MARTIN LUTHER KING BLVD / E 9 ST / NW 62 ST
MINOR STREET: NW 37 Av / Douglas RD
2. STANDARD SIGNAL OPERATING PLAN AS SHOWN.
PHASES 1 AND 2 ON RECALL
3. PED. SIGNALS P4 & P8 UPON ACTUATION ONLY
PED. SIGNALS P2 & P6 RECALL.

EXIST. DETECTORS FOR LOOPS		
LOOP	NO. OF EXIST. LOOPS	NO. OF EXIST. DETS.
L - 1	1	1
L - 3	1	1
L - 4	1	1
L - 5	1	1
L - 7	1	1
L - 8	1	1

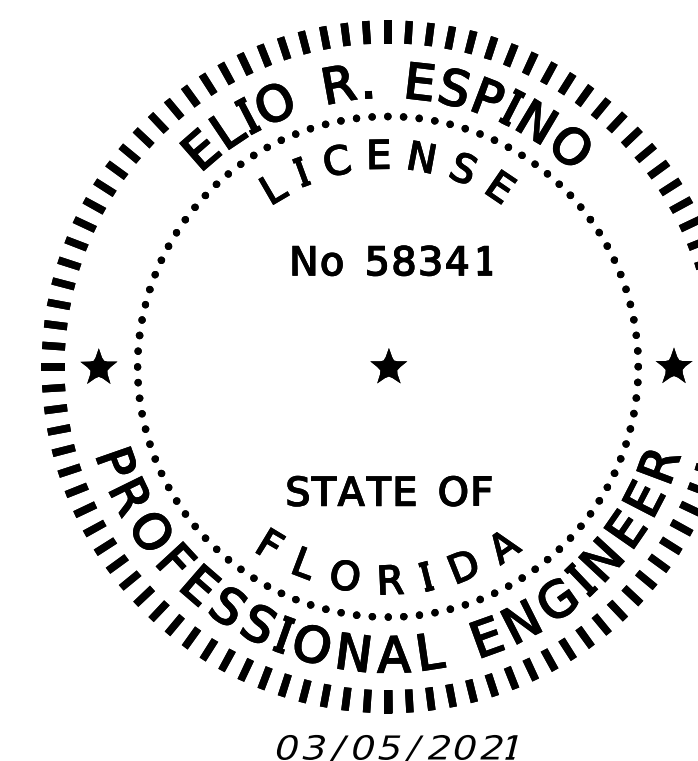
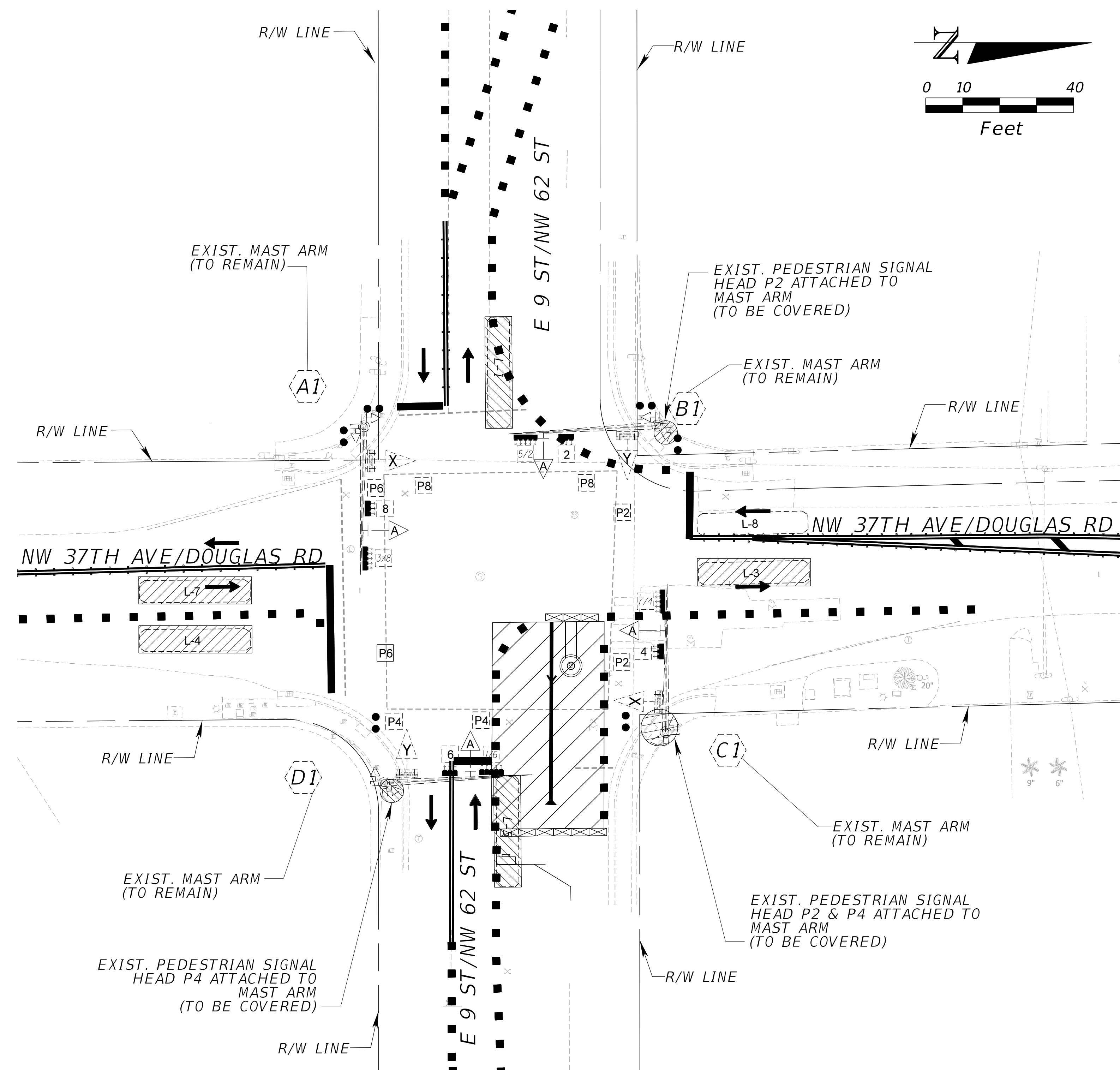
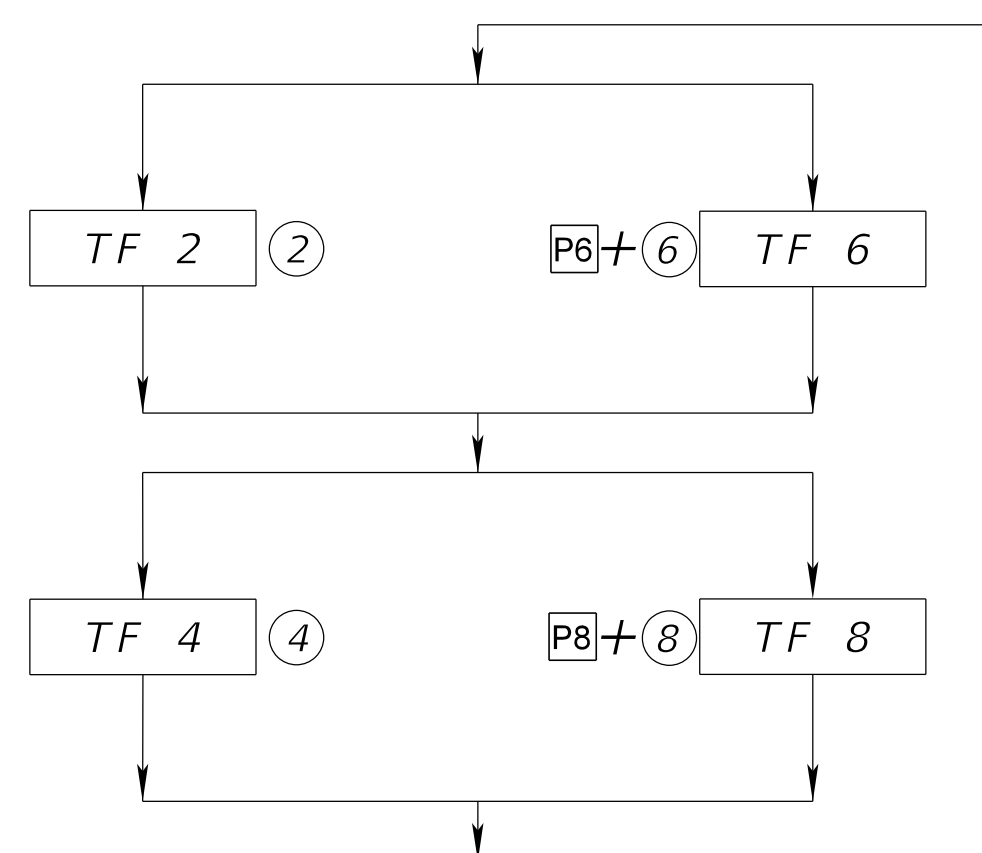
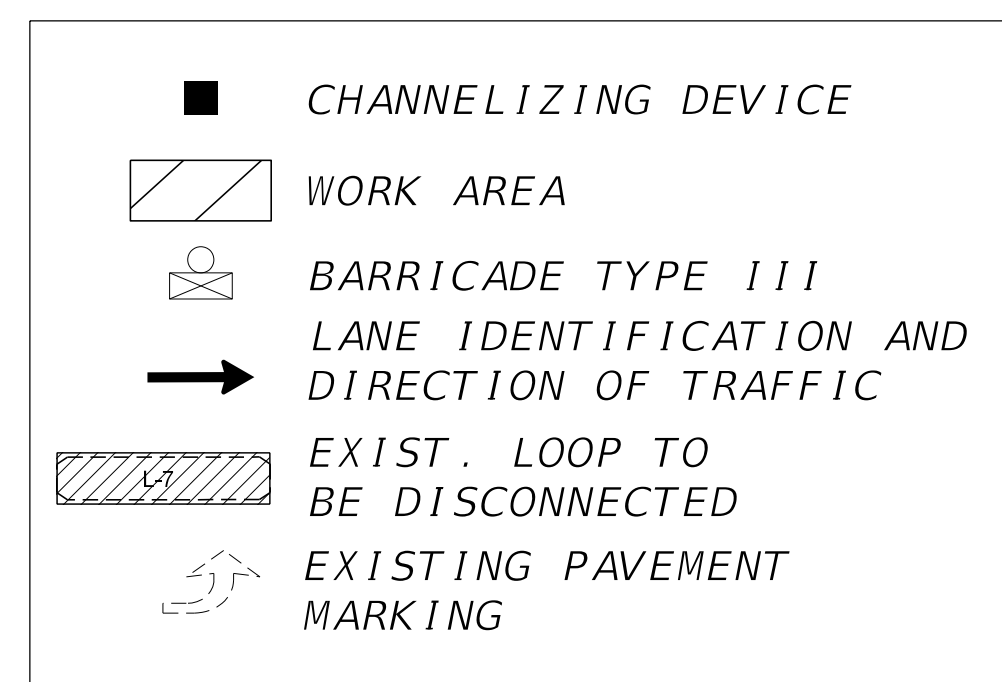
NOTES:

1. *DISABLE L-1, L-3, L-4, L-5, & L-7 DETECTION*
2. *PEDESTRIAN HEADS P2 & P4 TO BE BAGGED.*
3. *SIGNAL TO REMAIN ON AT ALL TIMES*

PROP. SOP



LEGEND



PHASE V-A

E 9 ST/NW	TEMPORARY SIGNALIZATION 62ND ST & NW 37TH AVE/DOUGLAS RD	ID NO. 2904
-----------	---	-------------

**MIAMI-DADE
COUNTY**
Delivering Excellence Every Day
**WATER & SEWER
DEPARTMENT**
3575 S. LEJEUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidadegov/water

**A&P
ENGINEERS**

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

FROM NW 36th STREET TO NW 82nd STREET.
 ISD PROJECT No. E15-WASD-03B
 ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY			
RELEASED FOR		DATE	BY
1	90% SUBMITTAL	08/28/20	ERE
2	PERMIT SUBMITTAL	10/28/20	ERE
3	PERMIT RESUBMITTAL	01/20/21	ERE
4	100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P..
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41ST SUITE 115, MIAMI FL. 33178 (305) 592-7283	

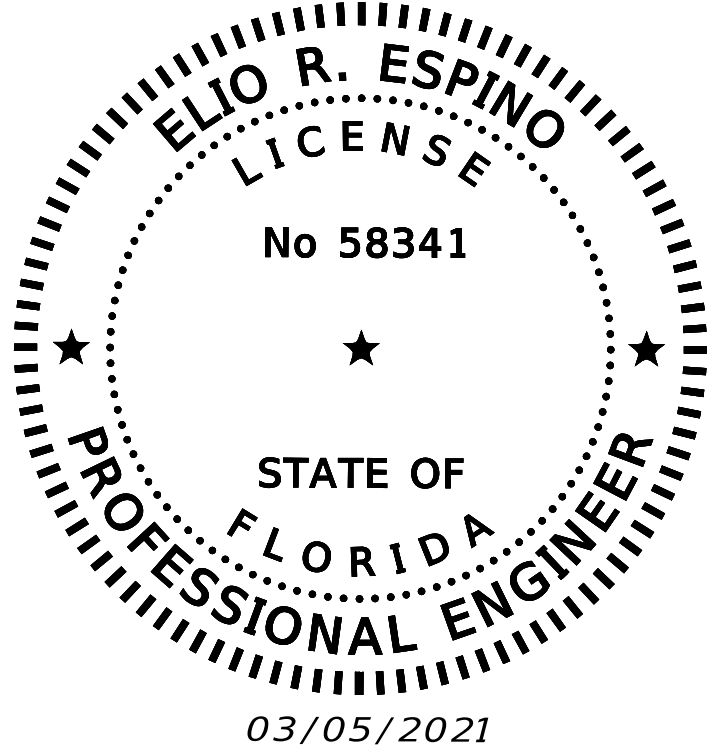
FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 91 OF 104	
DWG. No.	

(2904) NW 37 Ave & 62 St (Phase V-A)

			Green Time							
Current TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
530	Free									
600	5	100	0	46	0	42	0	46	0	42
730	6	130	0	66	0	52	0	66	0	52
830	16	100	0	48	0	40	0	48	0	40
900	5	100	0	46	0	42	0	46	0	42
1330	8	130	0	68	0	50	0	68	0	50
1530	7	110	0	42	0	56	0	42	0	56
1800	5	100	0	46	0	52	0	46	0	52
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60

Notes:
1. Place Phases 4 & 8 on Max Recall



PHASE V-A

TEMPORARY SIGNAL TIMING
E 9 ST/NW 62ND ST & NW 37TH AVE/DOUGLAS RD ID NO. 2904

MIAMI-DADE COUNTY

Delivering Excellence Every Day

WATER & SEWER DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P

ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR:	CHECKED: D.P.:
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida – License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	
FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 92 OF 104	DWG. No.

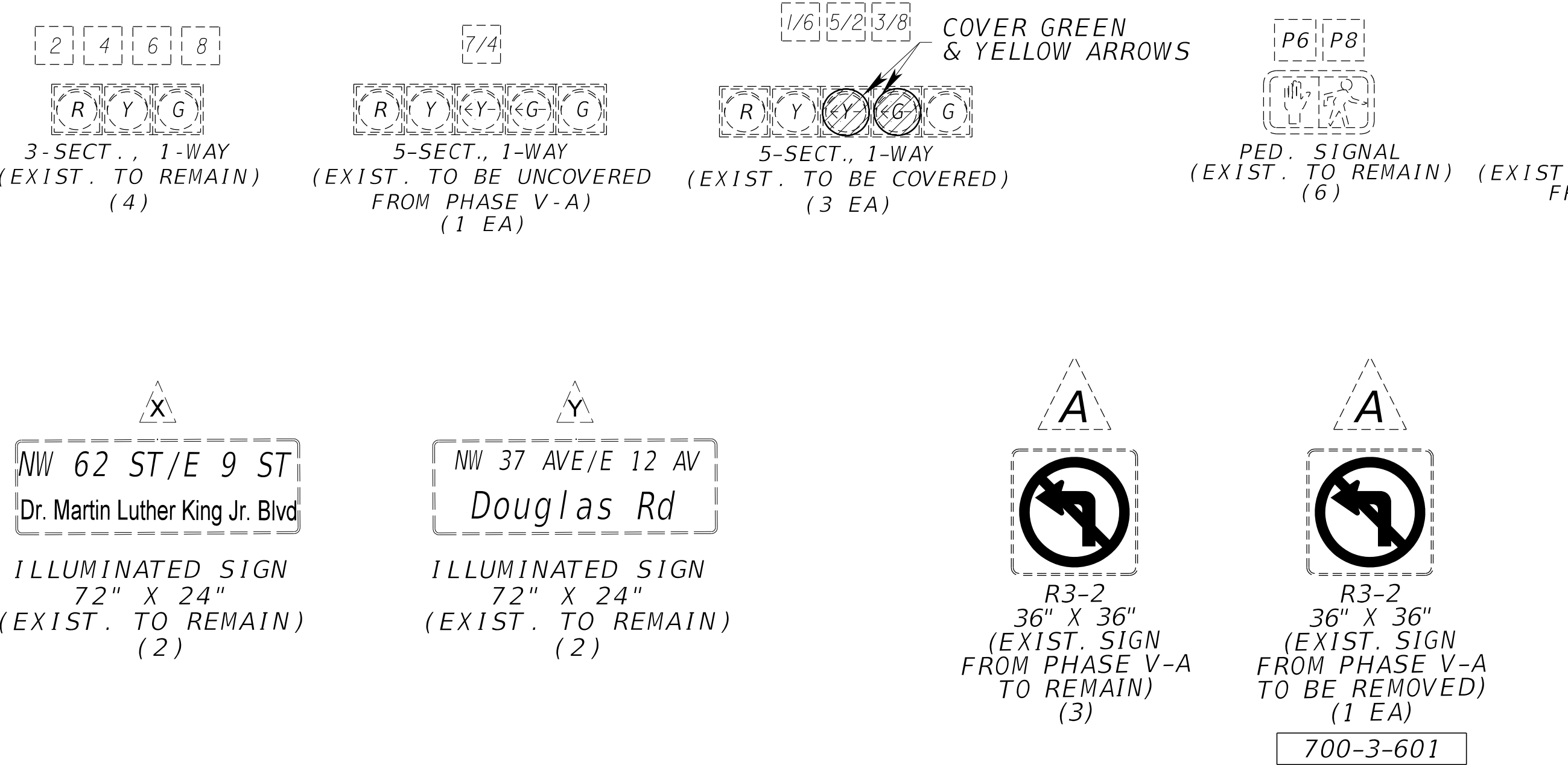
JMarulanda

3/5/2021

8:17:52 AM

P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase 1\2-Sheets\Signals\NW 62 St_Phase V-A\MSSGSG01.dgn

SIGNAL HEAD & SIGN DETAILS



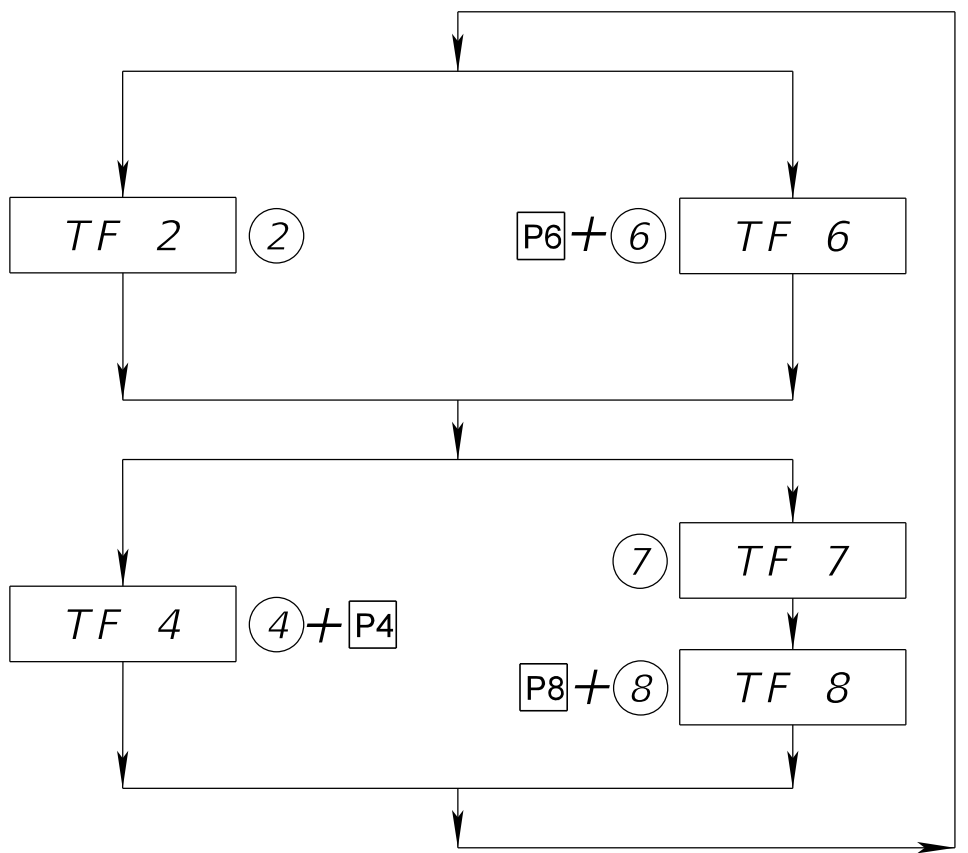
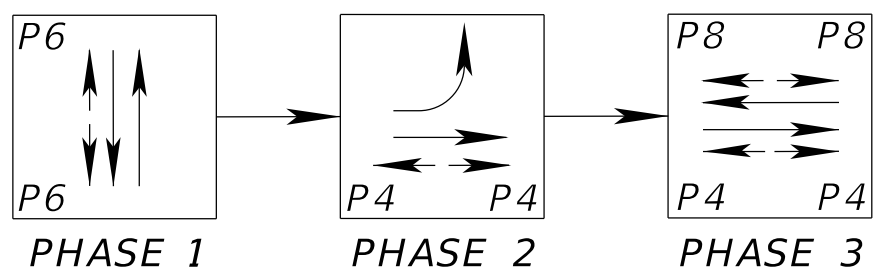
CONTROLLER OPERATION

- MAJOR STREET: MARTIN LUTHER KING BLVD / E 9 ST / NW 62 ST
MINOR STREET: NW 37 Av / Douglas RD
- STANDARD SIGNAL OPERATING PLAN AS SHOWN.
PHASES 1 ON RECALL, PHASE 2 AND 3 ACTUATED
FLASHING OPERATION: 1, 2, 5 & 6 - YELLOW
4 & 8 - RED
- PED. SIGNALS P4 & P8 UPON ACTUATION ONLY
PED. SIGNALS P2 & P6 RECALL.

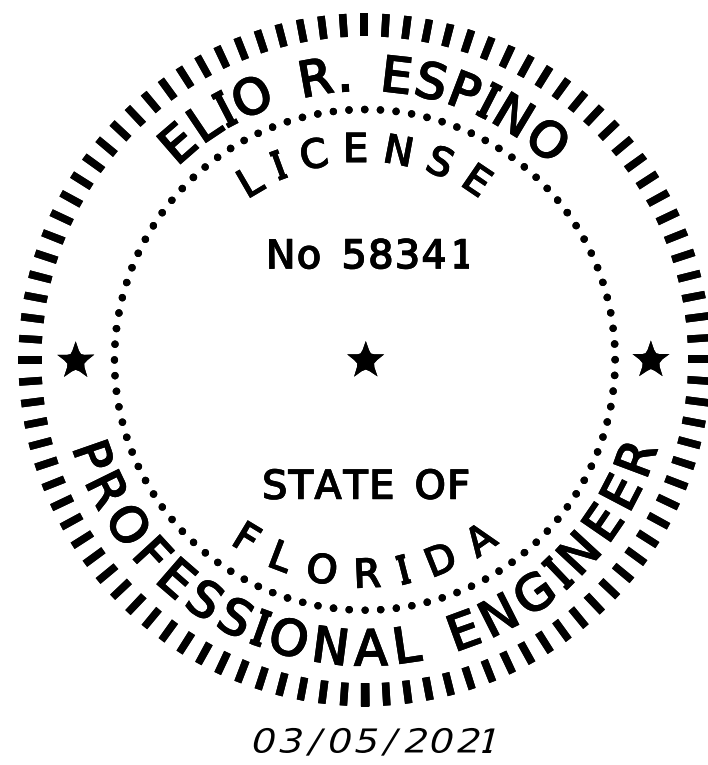
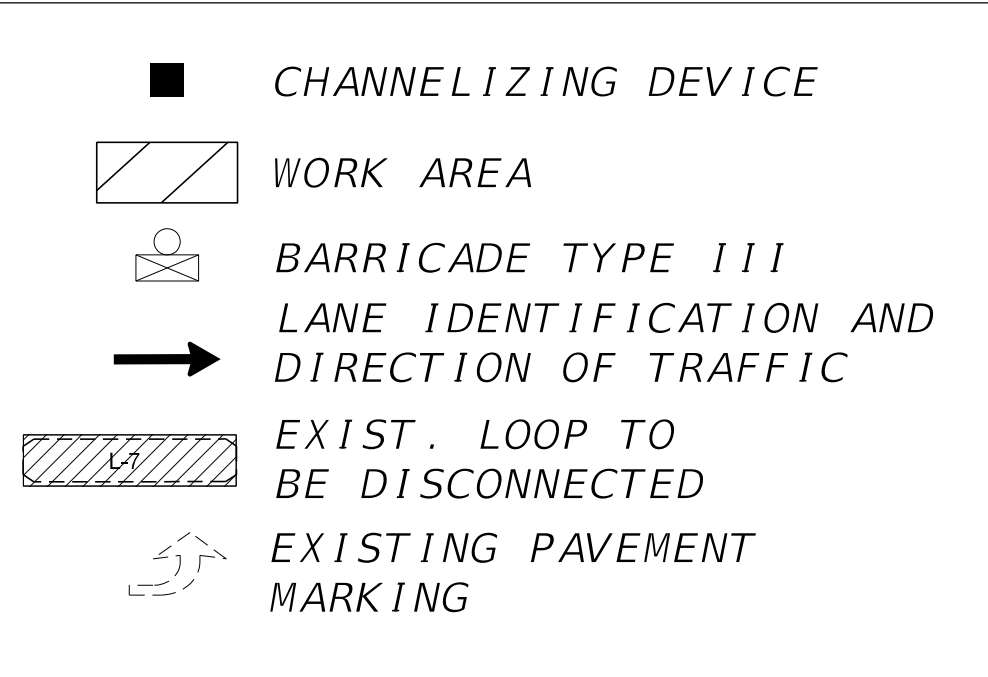
NOTES:

- DISABLE LOOPS:
 - L-1 (DISABLED FROM PREVIOUS PHASE)
 - L-3 (DISABLED FROM PREVIOUS PHASE)
 - L-5 (DISABLED FROM PREVIOUS PHASE)
- RE-ENABLE LOOPS:
 - L-4
 - L-7
- PEDESTRIAN HEADS P2 TO REMAIN BAGGED.
PEDESTRIAN HEADS P4 TO BE UNCOVERED.
- SIGNAL TO REMAIN ON AT ALL TIMES

PROP. SOP



LEGEND



PHASE V-B

TEMPORARY SIGNALIZATION
E 9 ST/NW 62ND ST & NW 37TH AVE/DOUGLAS RD

ID NO. 2904



PROPOSED 8-INCH SANITARY SEWER MAIN ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	06/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

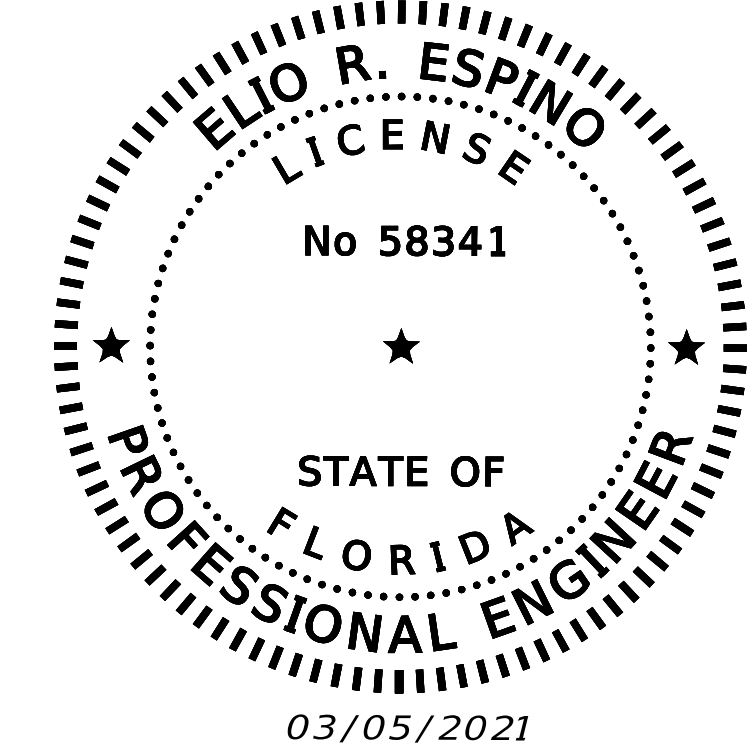
APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 93 OF 104	
DWG. No.	

(2904) NW 37 Ave & 62 St (Phase V-B)

			Green Time							
Current TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
530	Free									
600	5	100	0	46	0	42	0	46	6	30
730	6	130	0	66	0	52	0	66	6	40
830	16	100	0	48	0	40	0	48	6	28
900	5	100	0	46	0	42	0	46	6	30
1330	8	130	0	68	0	50	0	68	6	38
1530	7	110	0	42	0	56	0	42	6	44
1800	5	100	0	46	0	52	0	46	6	30
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60



03/05/2021

PHASE V-B

TEMPORARY SIGNAL TIMING
E 9 ST/NW 62ND ST & NW 37TH AVE/DOUGLAS RD ID NO. 2904

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR:	CHECKED: D.P.:
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida – License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:

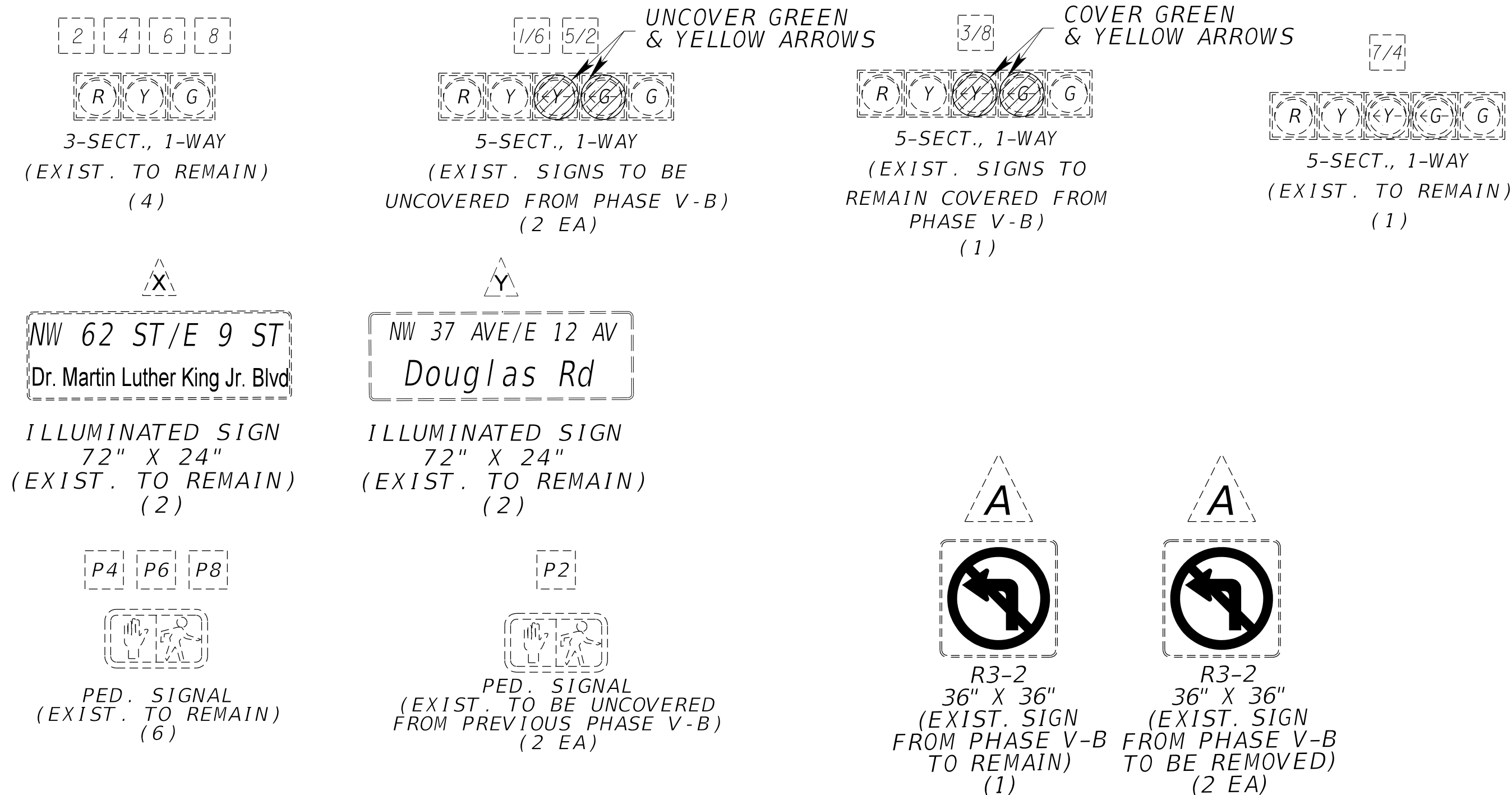
DATE: 03/05/21

SCALE: 1"=40'

SHEET 94 OF 104

DWG. No.

SIGNAL HEAD & SIGN DETAILS

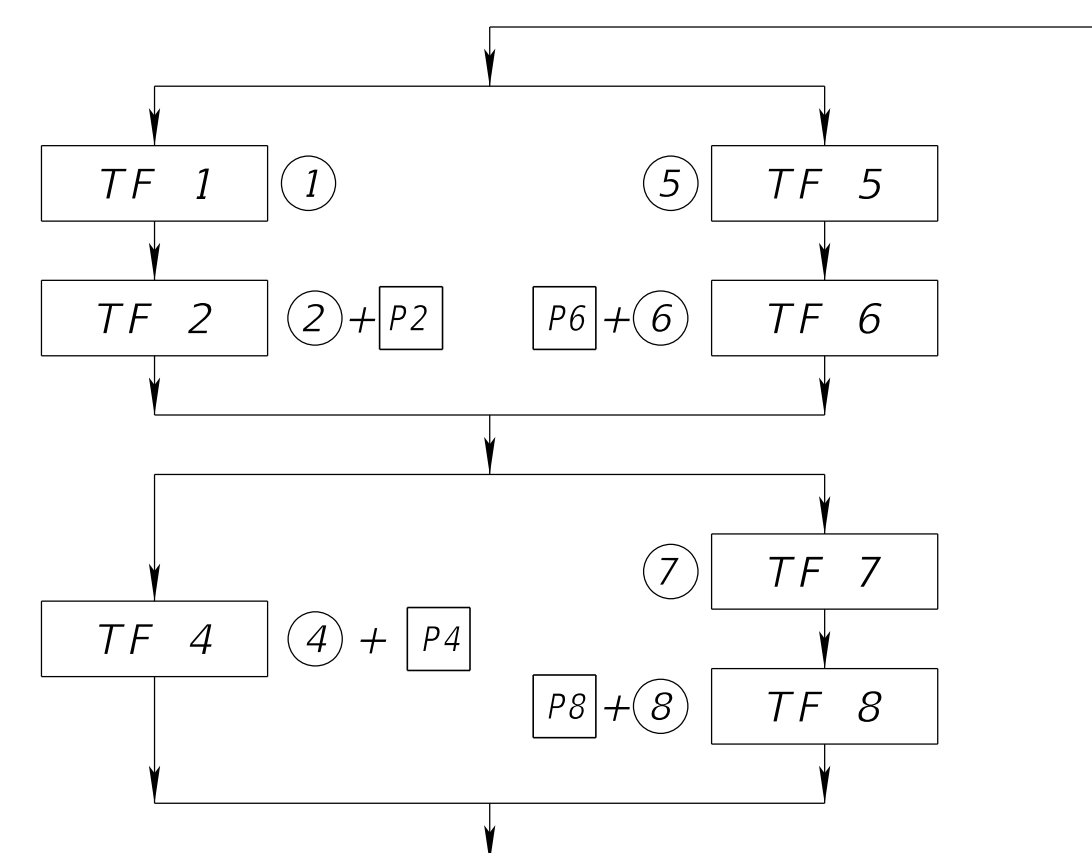
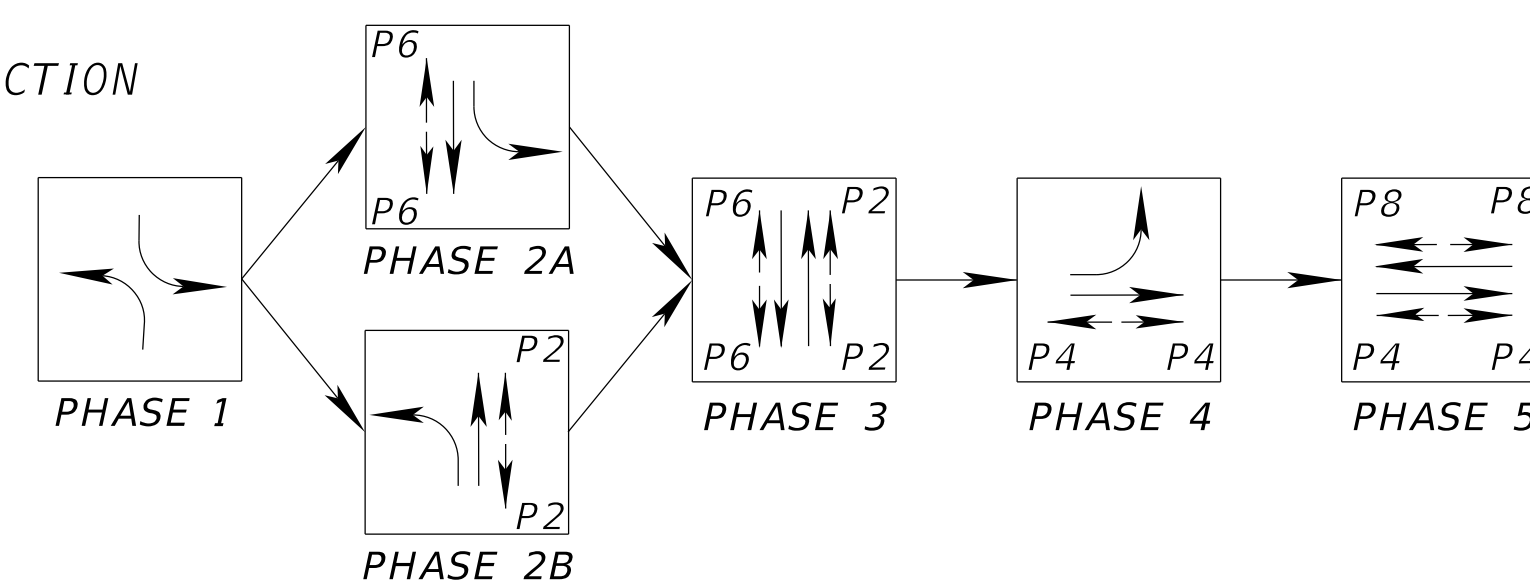


CONTROLLER OPERATION

1. MAJOR STREET: MARTIN LUTHER KING BLVD / NW 62 ST
MINOR STREET: NW 37 Av / Douglas RD
2. STANDARD SIGNAL OPERATING PLAN AS SHOWN.
PHASES 1, 2, 4, AND 5 ACTUATED, PHASE 3 RECALL
FLASHING OPERATION: 1, 2, 5 & 6 - YELLOW
4 & 8 - RED
PED. SIGNALS P4 & P8 UPON ACTUATION ONLY
PED. SIGNALS P2 & P6 RECALL.

NOTES:

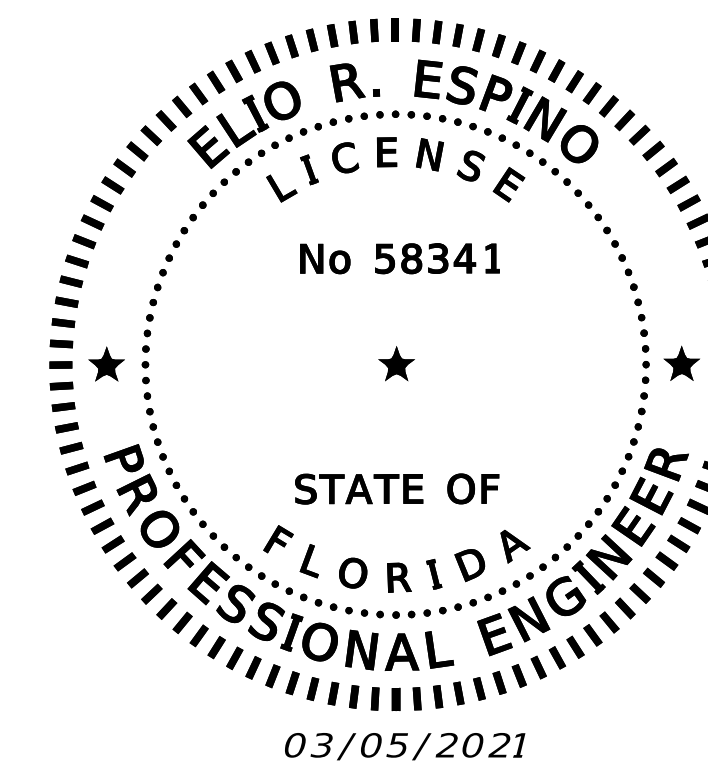
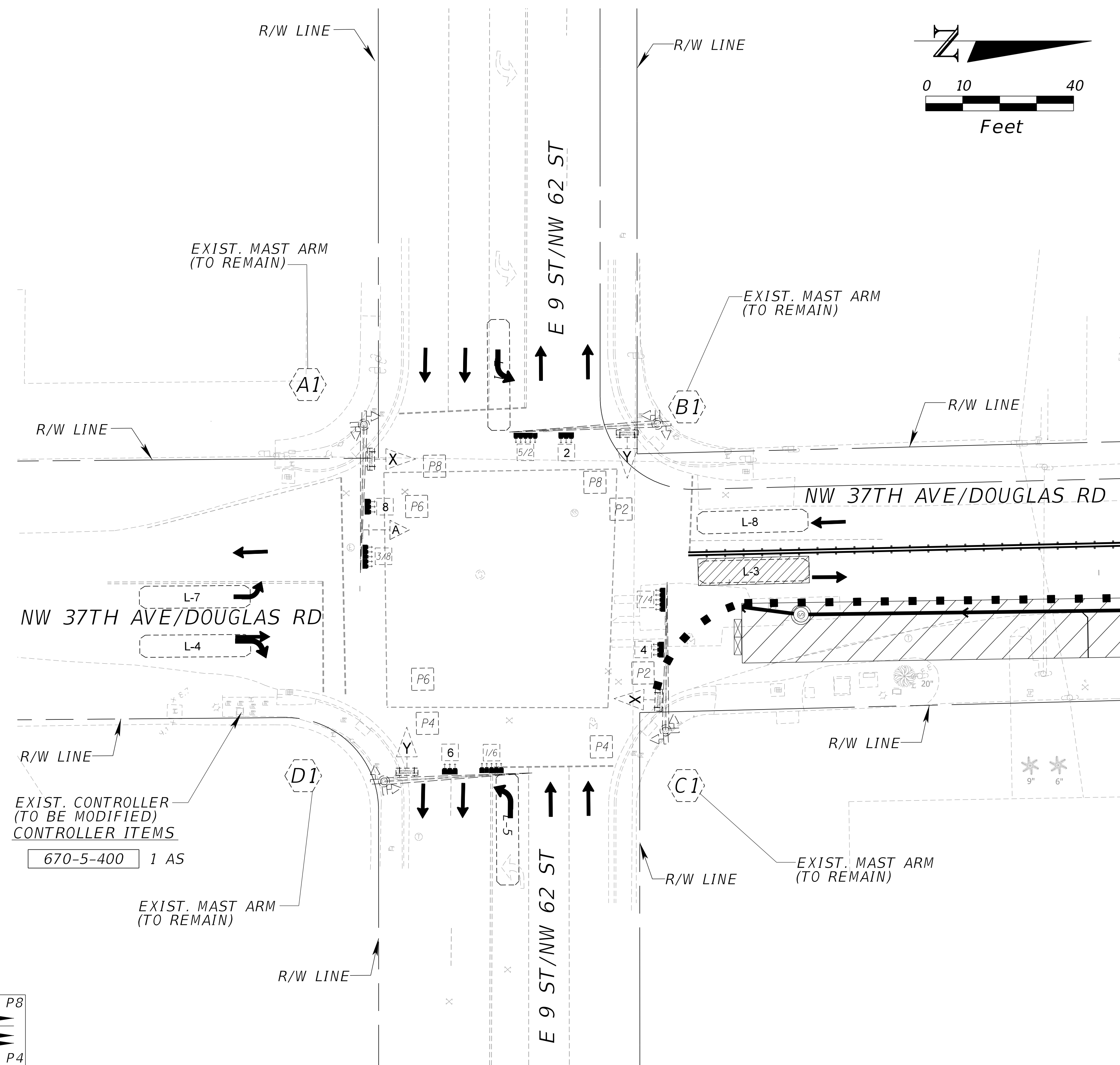
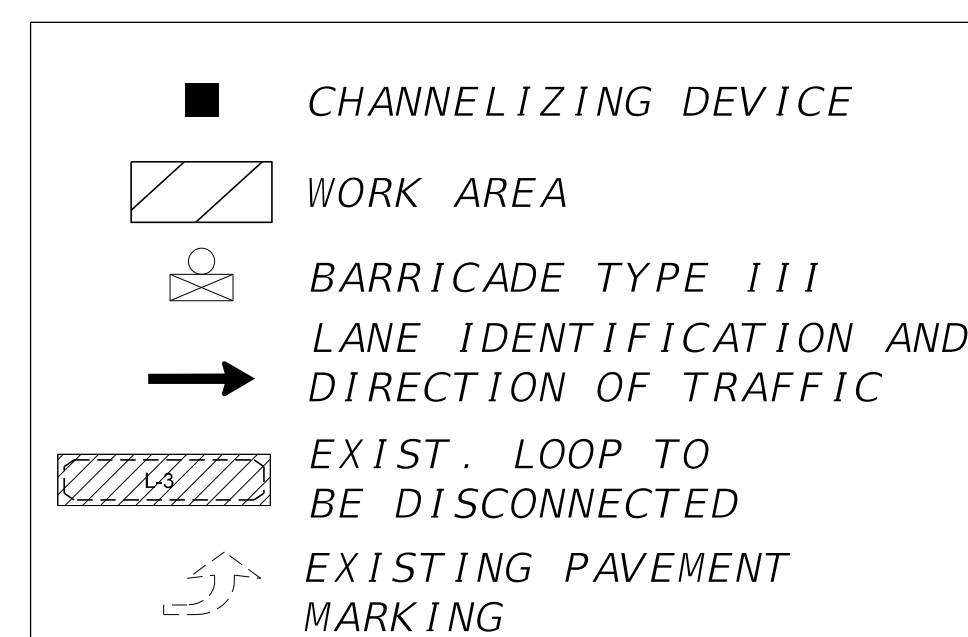
1. *DISABLE L-3 (DONE IN PREVIOUS PHASE) DETECTION*
RE-ENABLE L-1 & L-5 DETECTION
2. *UNCOVER PEDESTRIAN HEADS P2*
3. *SIGNAL TO REMAIN ON AT ALL TIMES*



EXIST. DETECTORS FOR LOOPS		
LOOP	NO. OF EXIST. LOOPS	NO. OF EXIST. DETS.
$L-1$	1	1
$L-3$	1	1
$L-4$	1	1
$L-5$	1	1
$L-7$	1	1
$L-8$	1	1

PROP. SOP

LEGEND



PHASE VI-A

E 9 ST/NW	TEMPORARY SIGNALIZATION 62ND ST & NW 37TH AVE/DOUGLAS RD	ID NO. 2904
-----------	---	-------------

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR		DATE	BY
1	90% SUBMITTAL	08/28/20	ERE
2	PERMIT SUBMITTAL	10/28/20	ERE
3	PERMIT RESUBMITTAL	01/20/21	ERE
4	100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT MGR:	CHECKED: D.P.,
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL. 33178
(305) 592-7283

FILE NAME:

DATE: 03/05/21	SCALE: 1"=40'
----------------	---------------

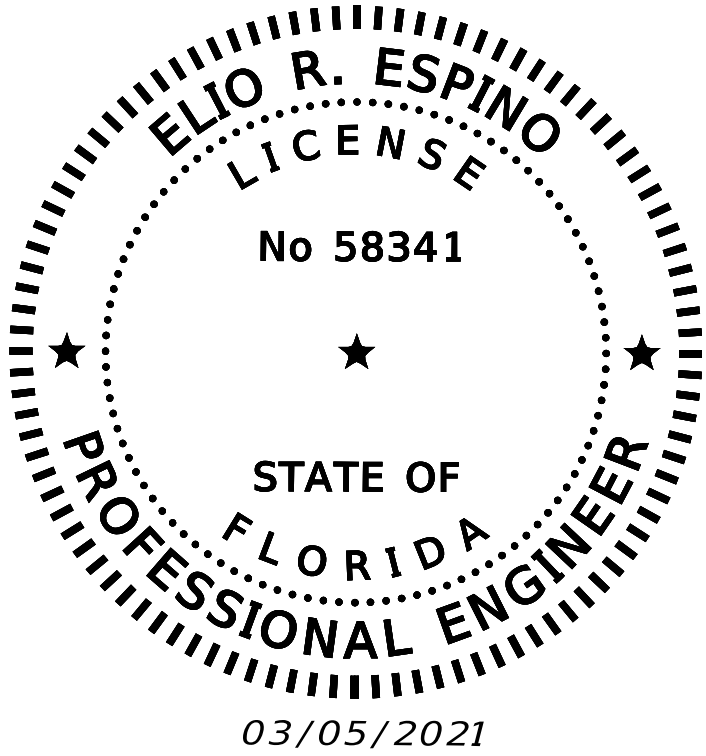
SHEET	95	OF	104
-------	----	----	-----

4	DWG. No.
---	----------

(2904) NW 37 Ave & 62 St (Phase VI-A)

			Green Time							
Current TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
530	Free									
600	5	100	6	34	0	42	6	34	6	30
730	6	130	6	54	0	52	6	54	6	40
830	16	100	6	36	0	40	6	36	6	28
900	5	100	6	34	0	42	6	34	6	30
1330	8	130	6	56	0	50	6	56	6	38
1530	7	110	6	30	0	56	6	30	6	44
1800	5	100	6	34	0	42	6	34	6	30
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60



PHASE VI-A

TEMPORARY SIGNAL TIMING
E 9 ST/NW 62ND ST & NW 37TH AVE/DOUGLAS RD ID NO. 2904

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/14/20	ERE
3 PERMIT RESUBMITTAL	03/16/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P.:
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida – License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

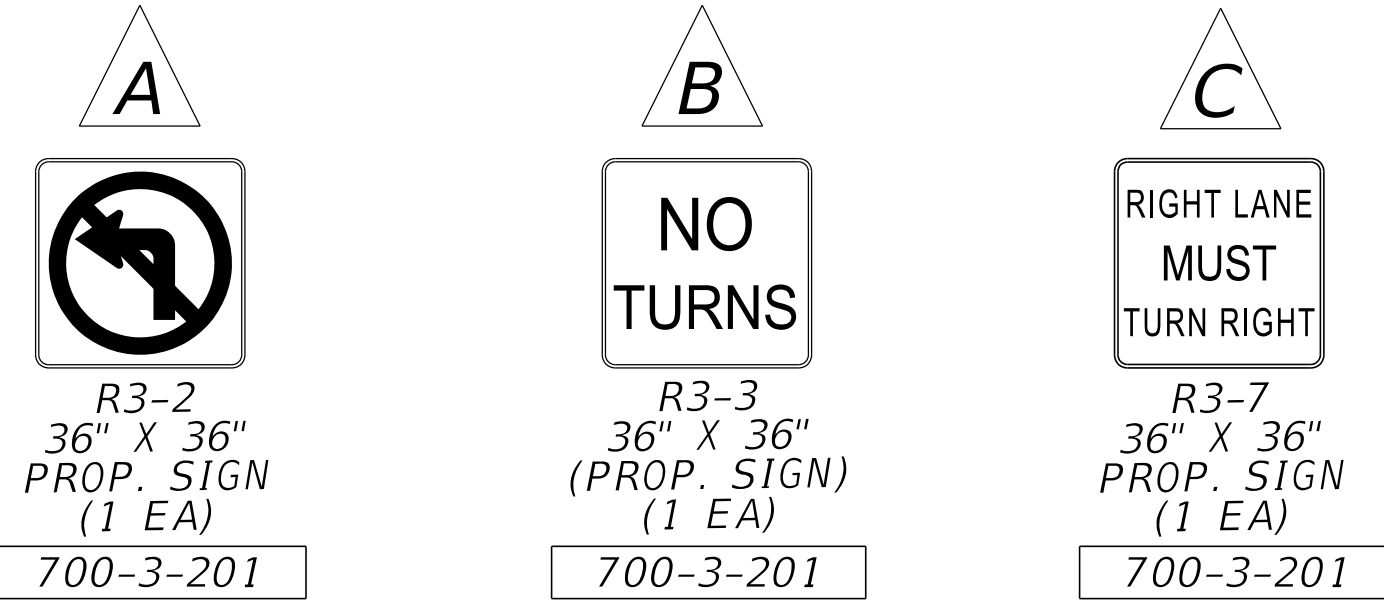
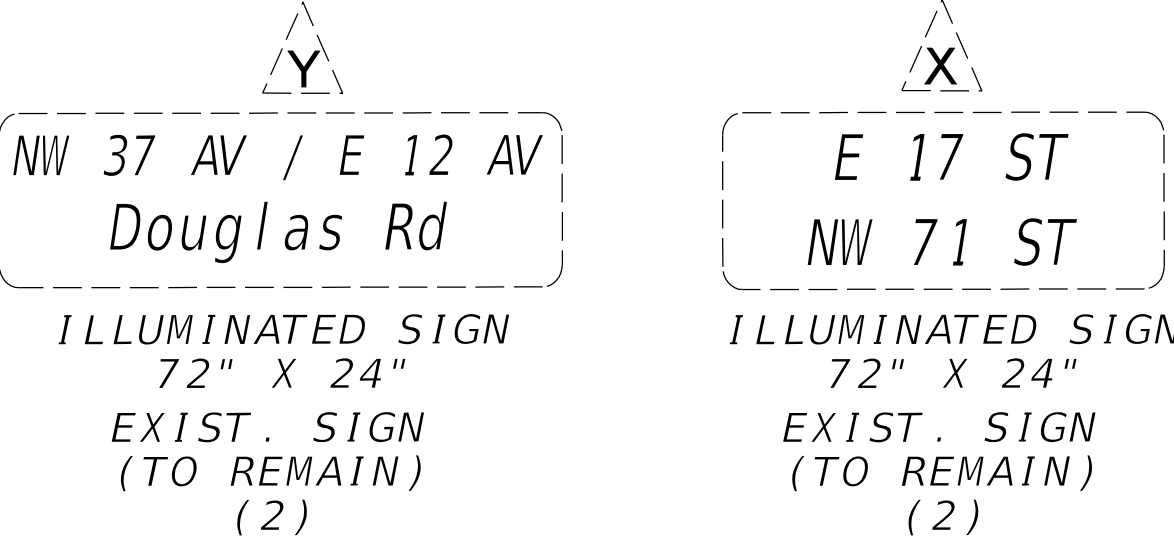
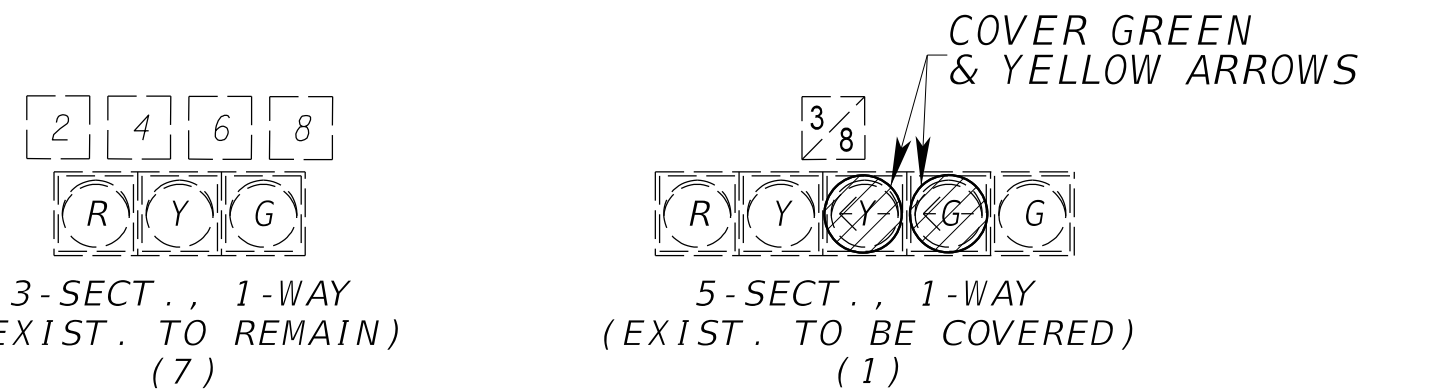
FILE NAME:

DATE: 03/05/21SCALE: 1"=40'

SHEET 96 OF 104

DWG. No.

SIGNAL HEAD & SIGN DETAILS



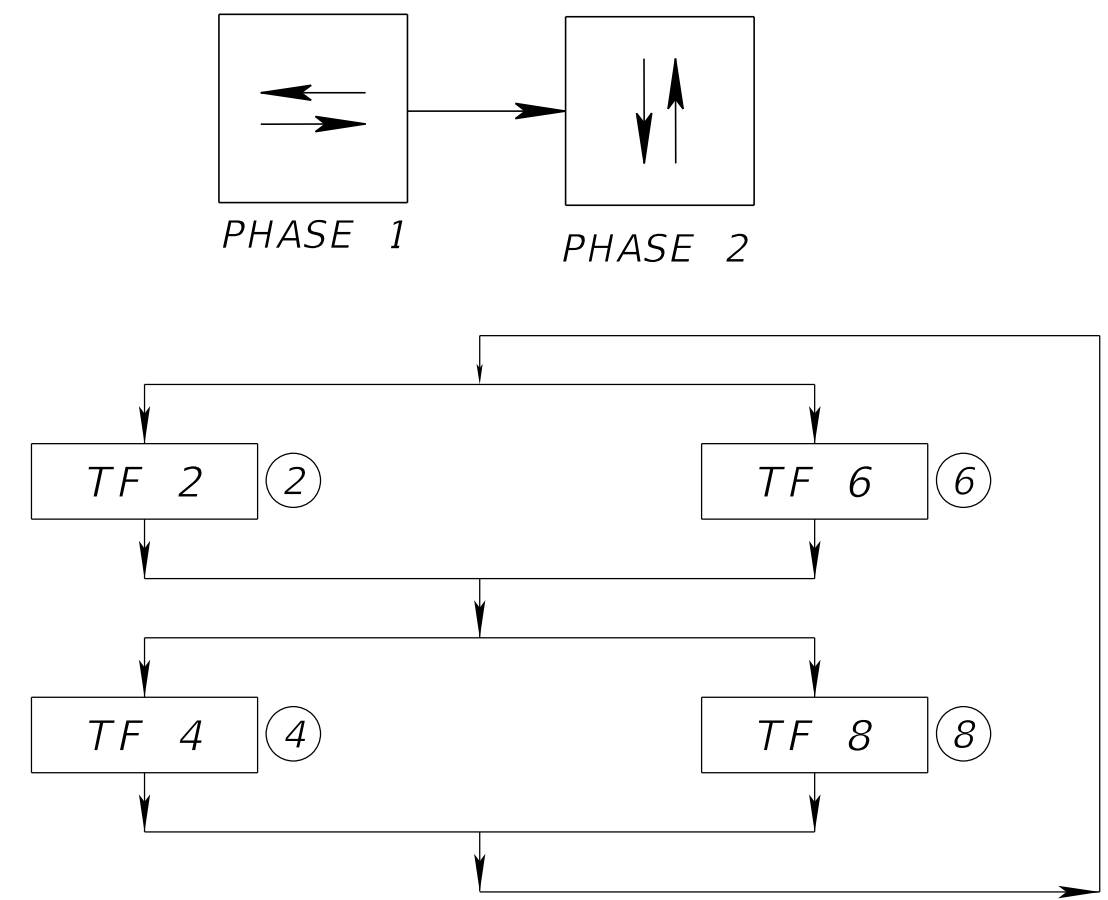
CONTROLLER OPERATION

1. MAJOR STREET: NW 37 AV / DOUGLAS RD
MINOR STREET: NW 71 ST / E 17 ST
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
PHASE 1 AND 2 ON RECALL
FLASHING OPERATION: 2 & 6 -YELLOW
3, 4 & 8 -RED

NOTES:

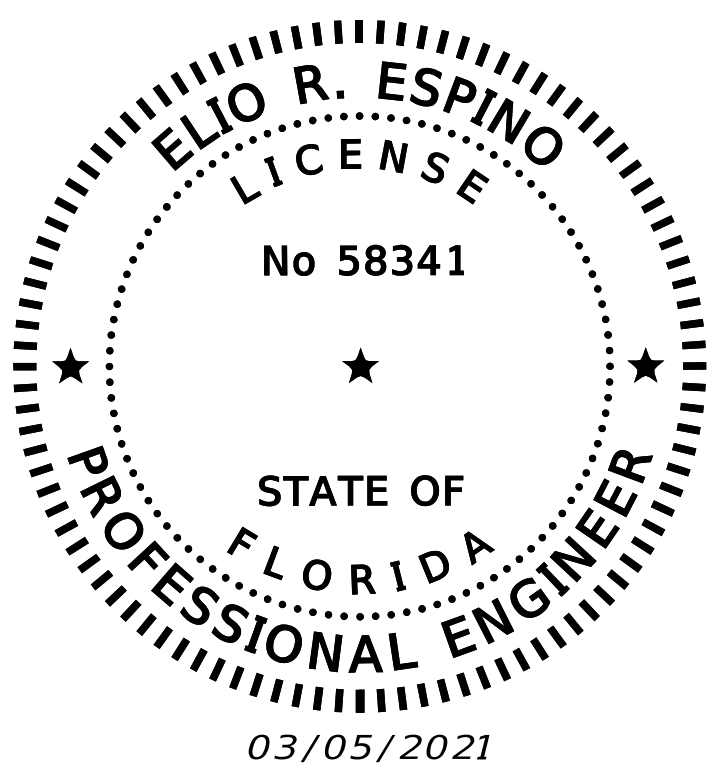
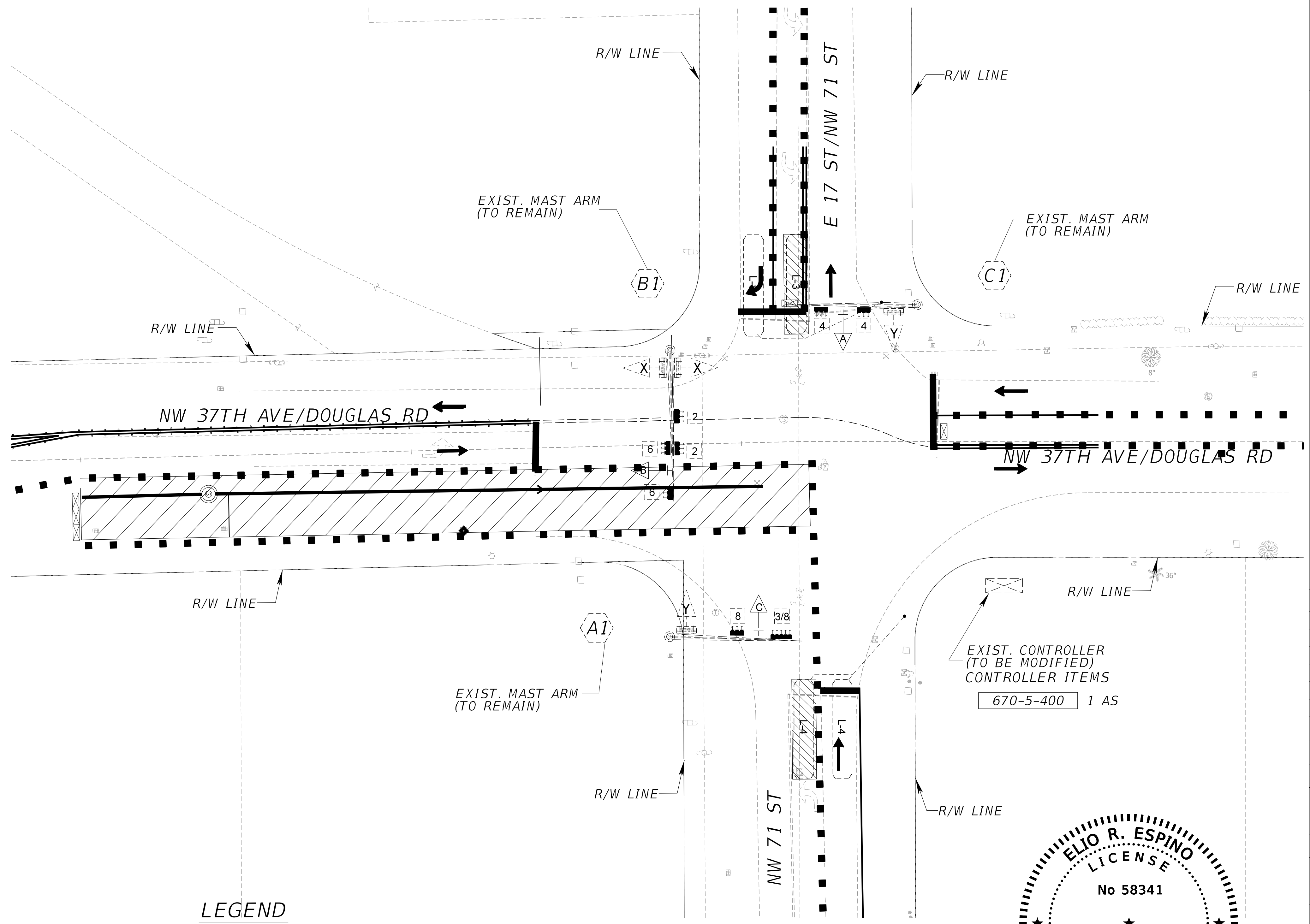
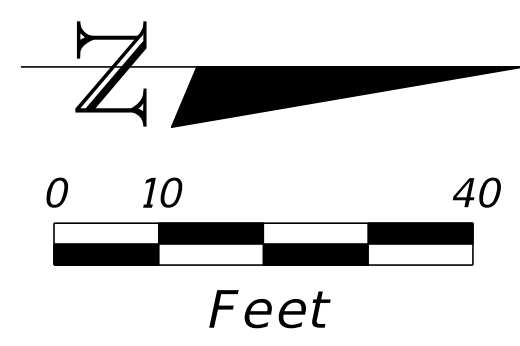
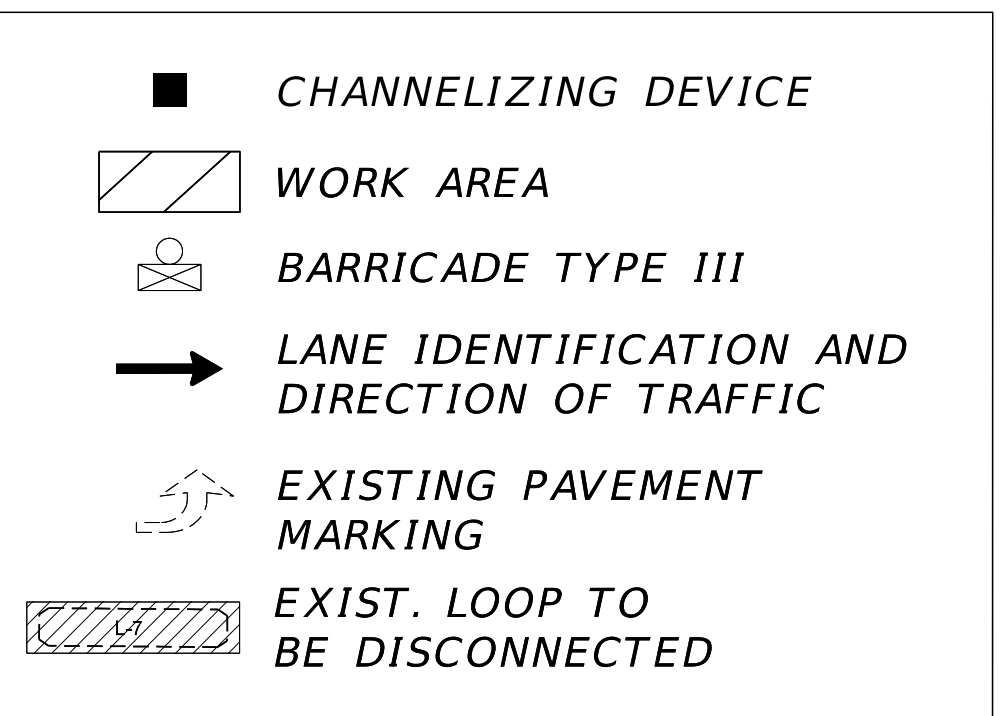
1. DISABLE L-3 & L-4 (INSIDE) DETECTION
2. SIGNAL TO REMAIN ON AT ALL TIMES

PROP. S.O.P.



DETECTORS FOR EXIST. LOOP		
LOOP	NO. EXIST. OF LOOPS	NO. EXIST. OF DETS.
L - 8	1	1
L - 4	2	1
L - 3	1	1

LEGEND



PHASE VII-A

TEMPORARY SIGNALIZATION
NW 71ST ST & NW 37TH AVE/DOUGLAS RD

ID NO. 2905

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P ENGINEERS
CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	06/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:
DATE: 03/05/21 SCALE: 1"=40'
SHEET 97 OF 104
DWG. No.

SIGNAL HEAD & SIGN DETAILS

2468

RYG

3-SECT., 1-WAY
(EXIST. TO REMAIN)
(6)

38

RYGG

5-SECT., 1-WAY
(EXIST. TO REMAIN
COVER FROM
PHASE VII-A)
(1)

A

R3-2
36" X 36"
EXIST. SIGN
FROM PHASE VII-A
(TO BE RELOCATED)
(1 EA)
700-3-501

A

R3-2
36" X 36"
(PROP. SIGN)
(1 EA)
700-3-201

X

NW 37 AV / E 12 AV
Douglas Rd

ILLUMINATED SIGN
72" X 24"
(EXIST. SIGN
TO REMAIN)
(2)

Y

E 17 ST
NW 71 ST

ILLUMINATED SIGN
72" X 24"
(EXIST. SIGN
TO REMAIN)
(2)

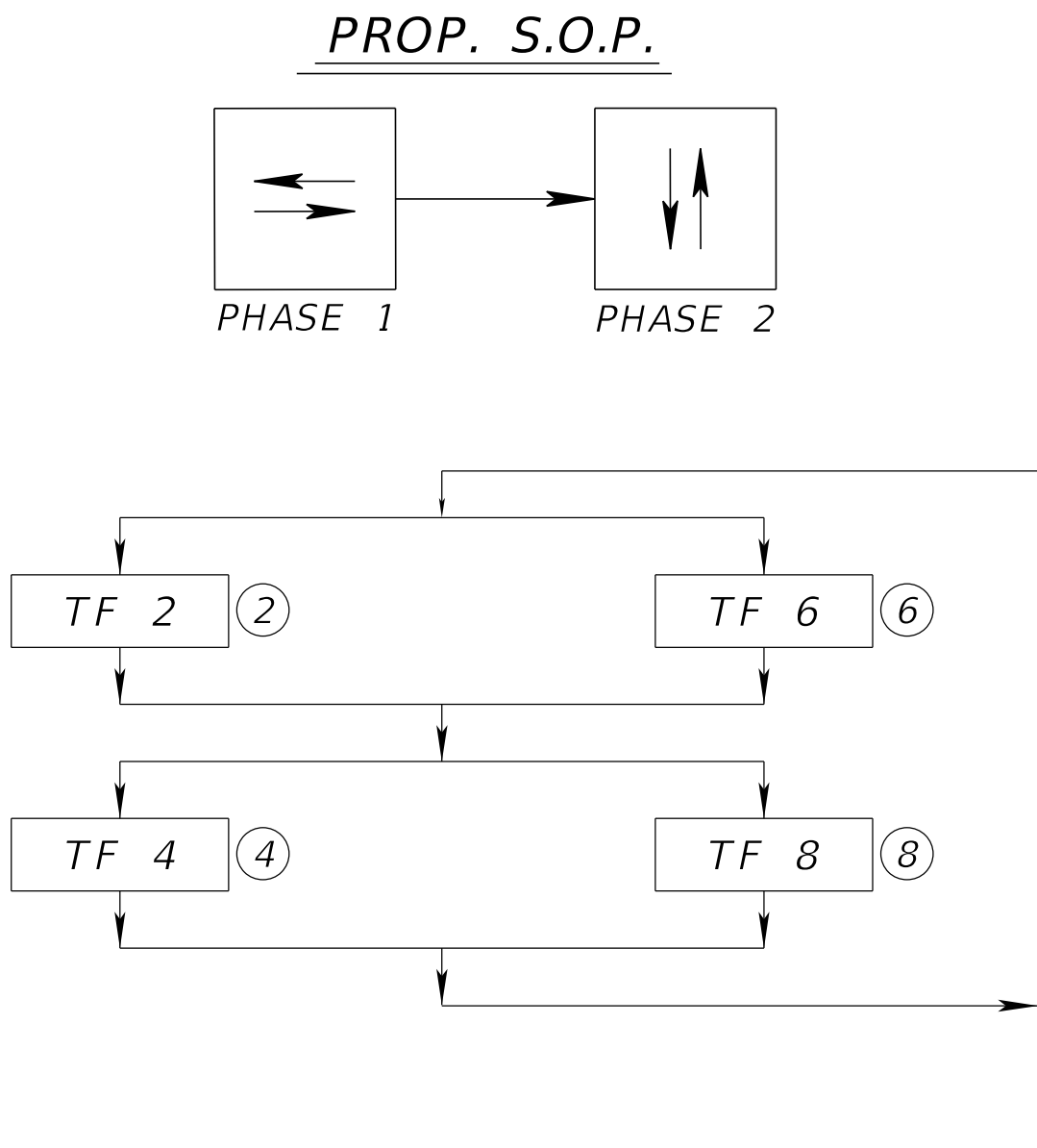
CONTROLLER OPERATION

1. MAJOR STREET: NW 37 AV / DOUGLAS RD
MINOR STREET: NW 71 ST / E 17 ST
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
PHASE 1 AND 2 ON RECALL
FLASHING OPERATION: 2 & 6 -YELLOW
3, 4 & 8 -RED
PED. SIGNALS P4 & P8 UPON ACTUATION ONLY
PED. SIGNALS P2 & P6 RECALL

NOTES:

1. DISABLE L-3 (FROM PREVIOUS PHASE) & L-4 (OUTSIDE)
RE-ENABLE L-4 (INSIDE) DETECTION
2. SIGNAL TO REMAIN ON AT ALL TIMES

DETECTORS FOR LOOPS		
LOOP	NO. EXIST. OF LOOPS	NO. EXIST. OF DETS.
L - 8	1	1
L - 4	2	1



LEGEND

CHANNELIZING DEVICE

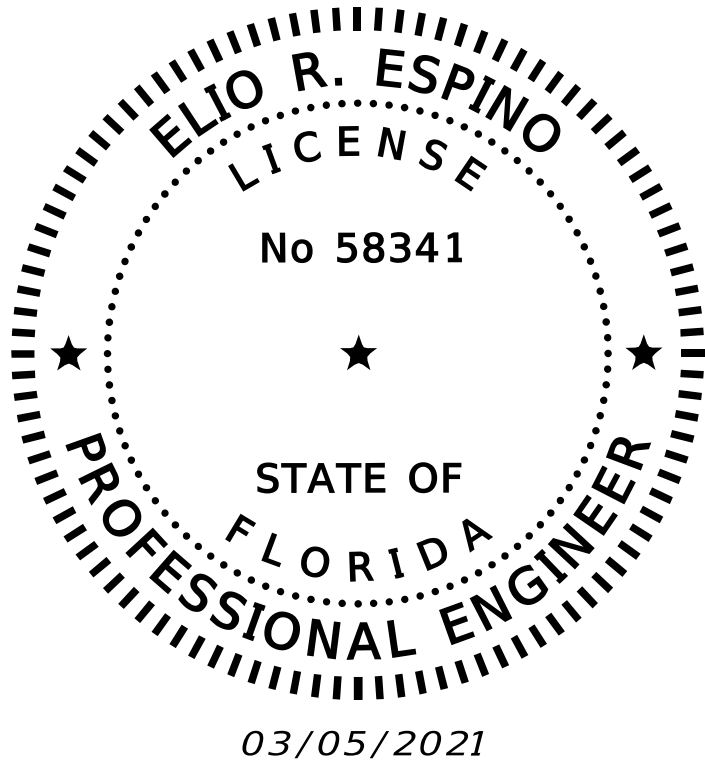
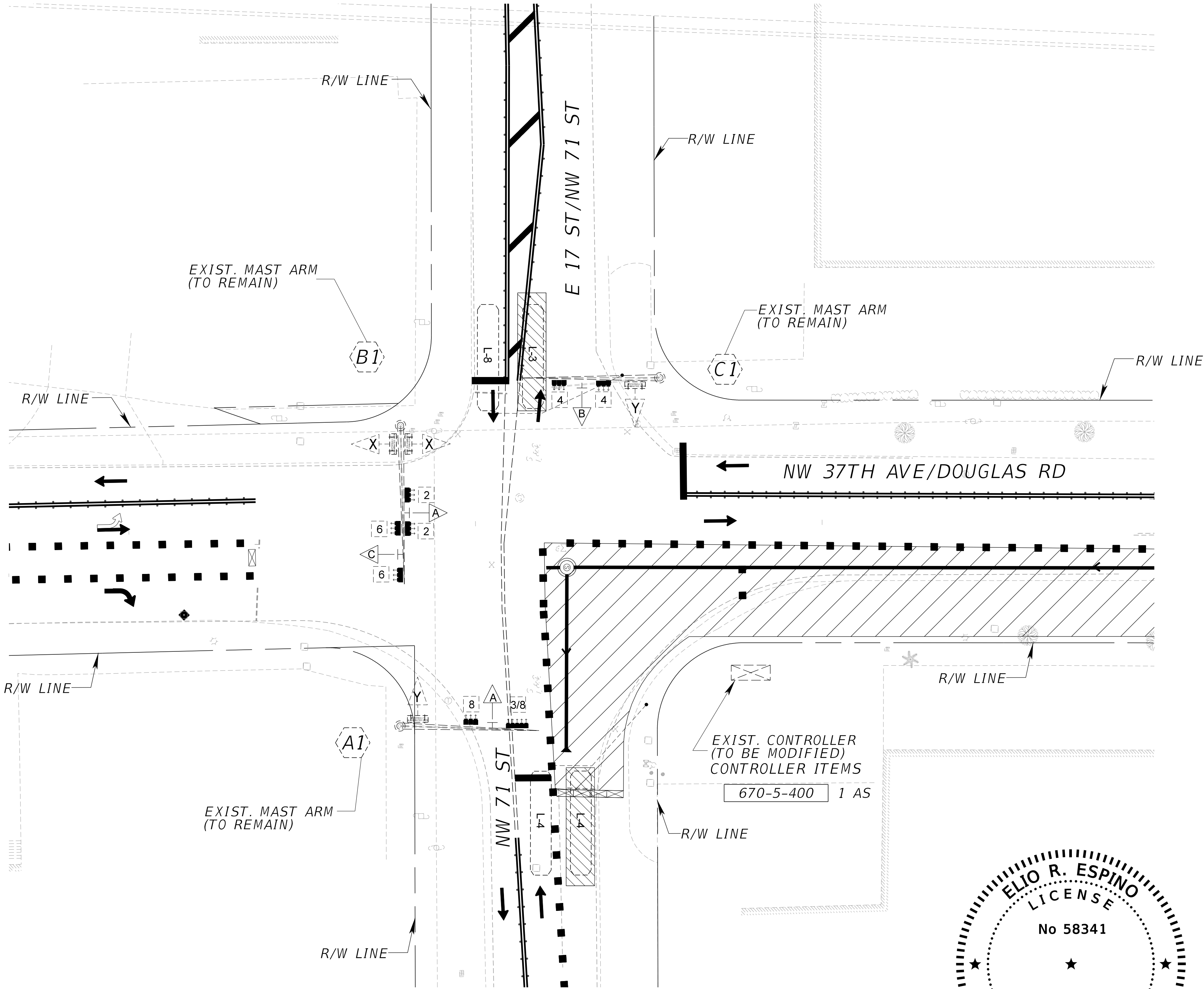
WORK AREA

BARRICADE TYPE III

LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC

EXIST. LOOP TO BE
DISCONNECTED

EXISTING PAVEMENT
MARKING



PHASE VII-B

TEMPORARY SIGNALIZATION
NW 71ST ST & NW 37TH AVE/DOUGLAS RD

ID NO. 2905

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797

8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	06/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY

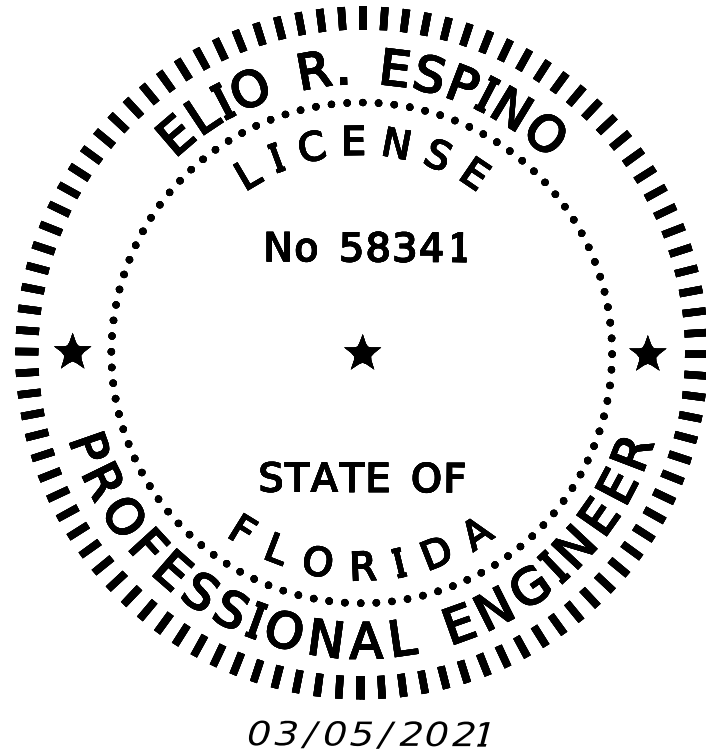
APPROVALS	
PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

FILE NAME:	DATE: 03/05/21	SCALE: 1"=40'
SHEET	98	OF 104
DWG. No.		

JMarulanda 3/5/2021 8:27:09 AM P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase I\2-Sheets\Signals\NW 71 St_Phase VII-B\PLANS\G01_VIIB.dgn

(2905) NW 37 Ave & 71 St (Phases VII-A &VII-B)

			Green Time							
TOD Schedule	Plan	Cycle	1 NBL	2 SBT	3 EBL	4 WBT	5 SBL	6 NBT	7 WBL	8 EBT
0	Free									
500	1	90		41	0	36		41		36
600	2	110		52	0	45		52		45
1000	3	100		44	0	43		44		43
1500	2	110		52	0	45		52		45
1800	Free									



Notes:
1. Place Phases 4 & 8 on Max Recall

PHASE VII-A & VII-B

TEMPORARY SIGNAL TIMING
NW 71ST ST & NW 37TH AVE/DOUGLAS RD

ID NO. 2905

MIAMI-DADE COUNTY

Delivering Excellence Every Day

WATER & SEWER DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P

ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

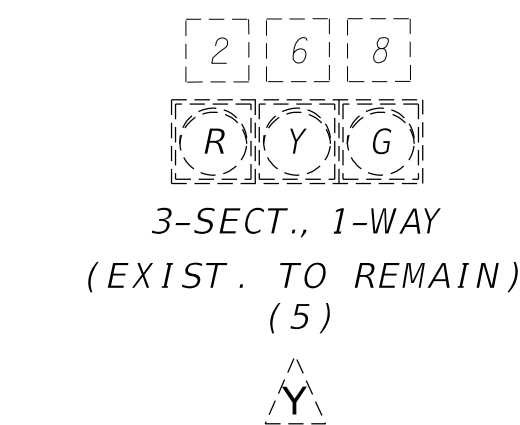
DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 90% SUBMITTAL	08/28/20	ERE	
2 PERMIT SUBMITTAL	10/28/20	ERE	
3 PERMIT RESUBMITTAL	01/20/21	ERE	
4 100% SUBMITTAL	03/05/21	ERE	

REVISIONS			
No.	DESCRIPTION	DATE	BY

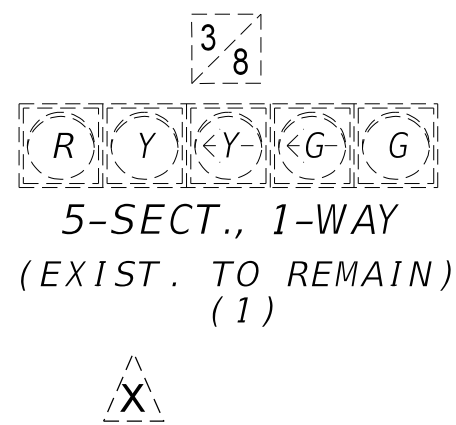
APPROVALS	
PROJECT MGR:	CHECKED: D.P..
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida – License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	
FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 99 OF 104	
DWG. No.	

JMarulanda 3/5/2021 8:34:49 AM P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase I\2-Sheets\Signals\NW 71 St_Phase VII-A\MSSGSG01.dgn

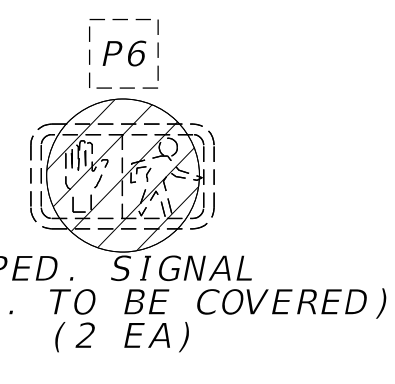
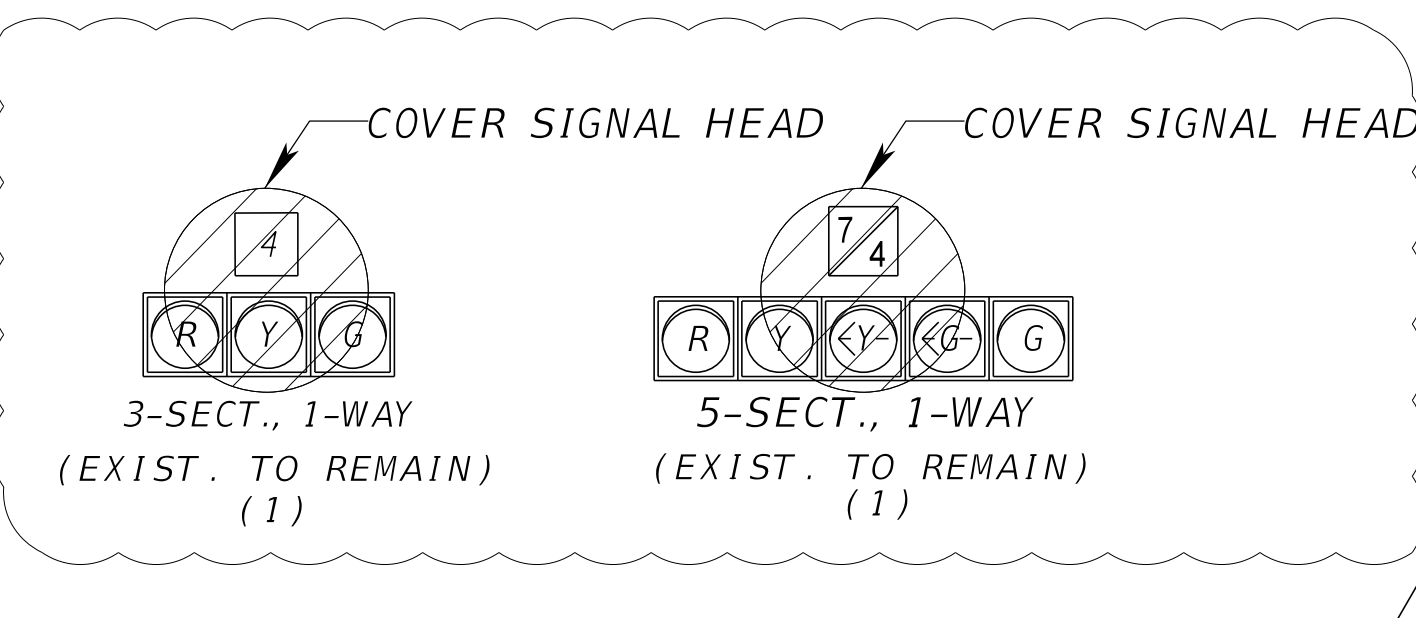
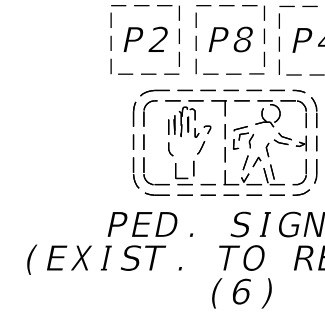
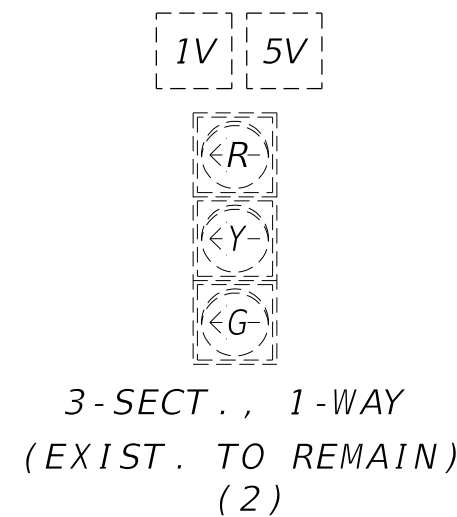
SIGNAL HEAD & SIGN DETAILS



NW 37 AV / E 12 AV
Douglas Rd
EXIST. LED IISNS
D3-1
(EXIST. TO REMAIN)
(2)



SE 25 ST
NW 79 ST
EXIST. LED IISNS
D3-1
(EXIST. TO REMAIN)
(2)



CONTROLLER OPERATION:

1. MAJOR STREET: SR 934/ E 25 AVE/ NW 79 ST
MINOR STREET: NW 37 AVE

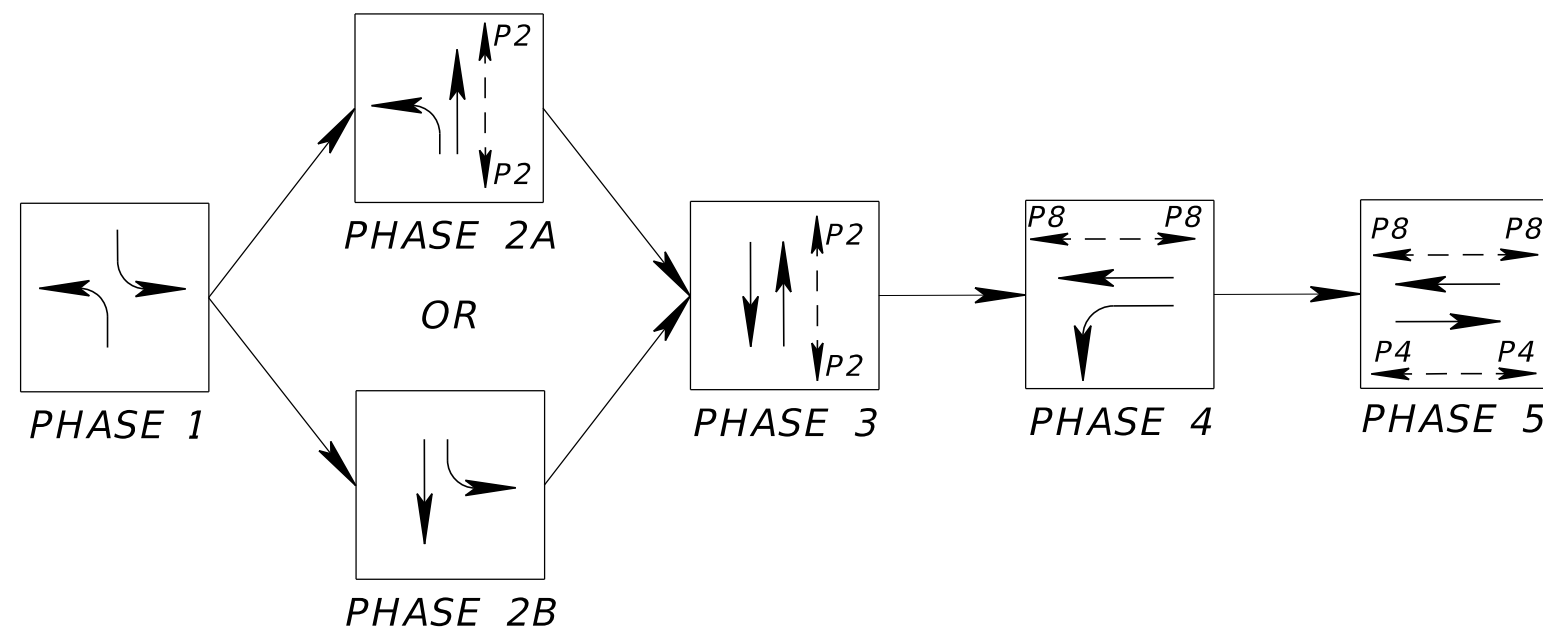
2. S.O.P.: AS SHOWN

NOTES:

1. DISABLE L-4 & L-7 DETECTION
2. PEDESTRIAN HEADS P6 TO BE BAGGED
3. SIGNAL TO REMAIN ON AT ALL TIMES

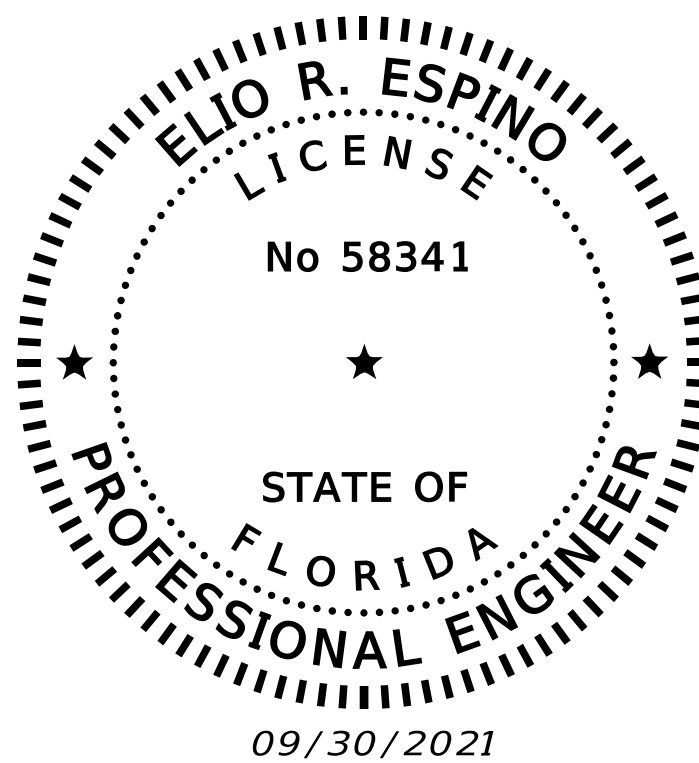
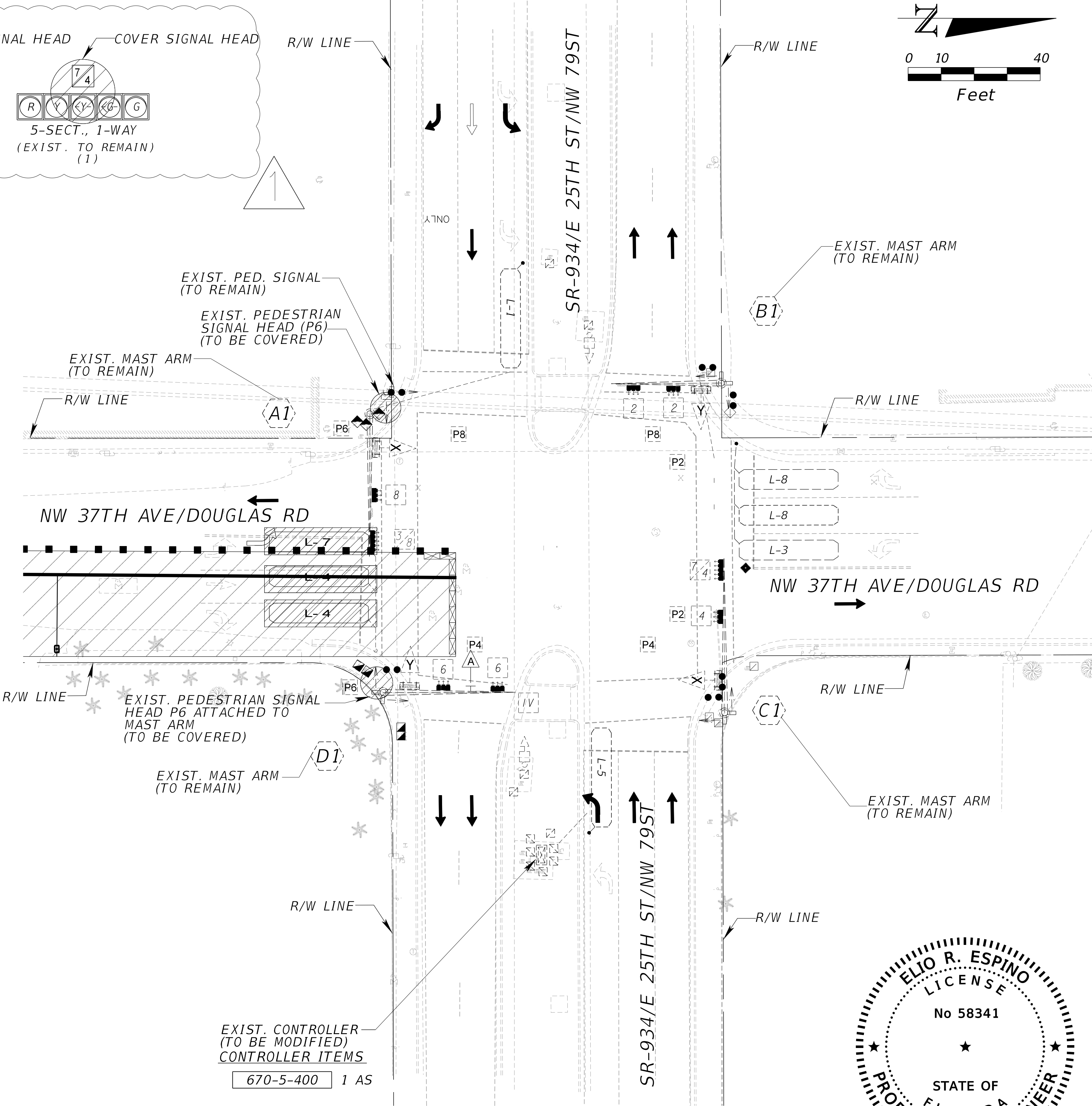
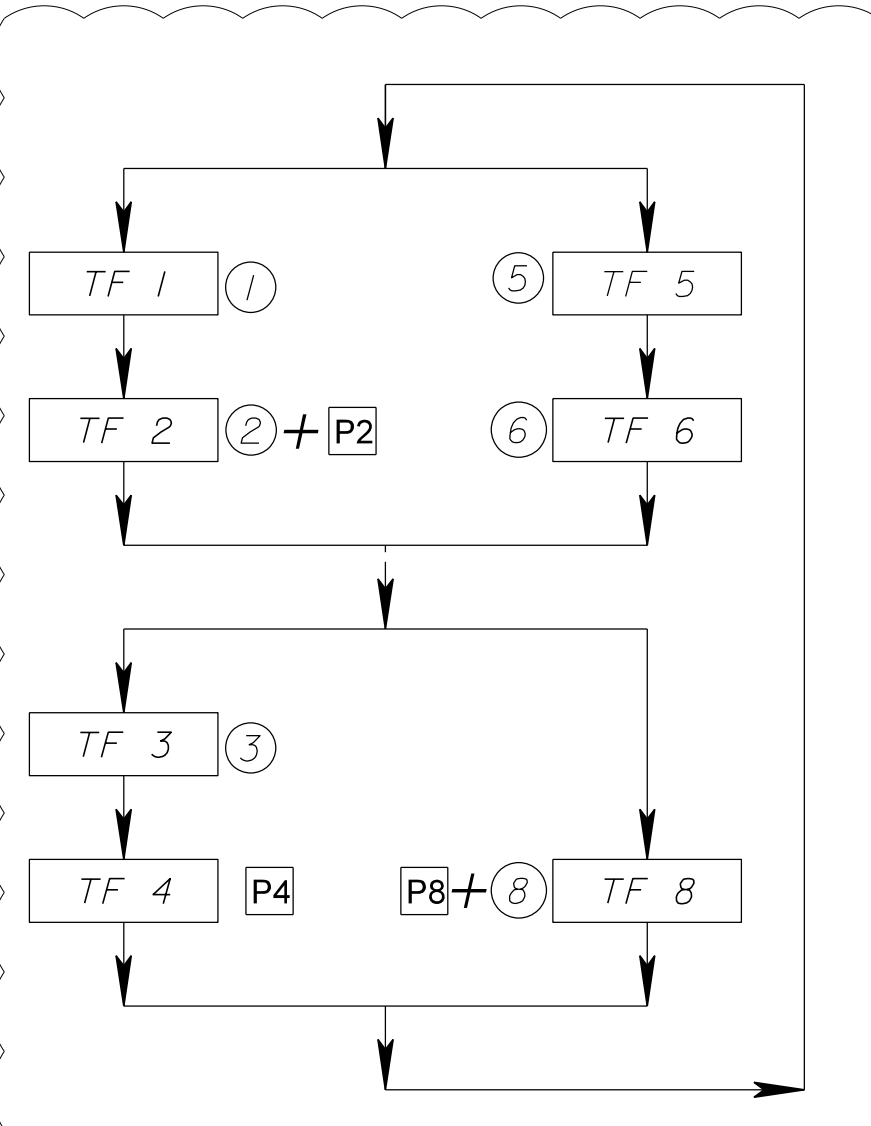
EXIST. DETECTORS FOR LOOP		
LOOP	NO. OF EXIST. LOOPS	NO. OF EXIST. DETS.
L-4	1	1
L-7	1	1
L-3	1	1
L-8	2	1
L-1	1	1
L-5	1	1

PROP. S.O.P.



LEGEND

- CHANNELIZING DEVICE
- WORK AREA
- BARRICADE TYPE III
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING
- EXIST. LOOP TO BE DISCONNECTED



PHASE VIII-B

TEMPORARY SIGNALIZATION
SR-934/E 25TH ST/NW 79TH ST & NW 37TH AVE ID NO. 3201

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water
ASP ENGINEERS
CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	ADDENDUM #1	09/30/21	ERE

APPROVALS	
PROJECT MGR:	CHECKED: E.L.
DESIGNED: H.V.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	
ELIO R. ESPINO, P.E. CIVIL ENGINEER State of Florida - License No. 58341 10305 NW 41 ST SUITE 115, MIAMI FL 33178 (305) 592-7283	

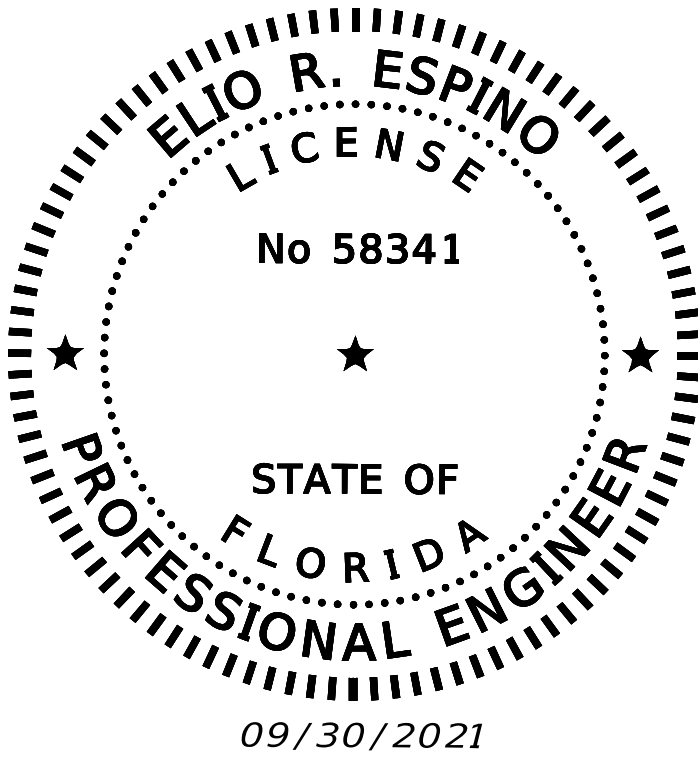
FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 100 OF 104	
DWG. No.	

(3201) NW 37 Ave & 79 St (Phase VIII-B)

			Green Time							
TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
0	Free									
600	6	120	8	50	8	30	8	50	0	44
700	5	150	10	69	10	37	10	69	0	53
930	6	120	8	50	8	30	8	50	0	44
1500	8	160	10	76	10	40	10	76	0	56
1900	6	120	8	50	8	30	8	50	0	44
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60

Notes:



1

PHASE VIII-B

TEMPORARY SIGNAL TIMING
NW 79TH ST & NW 37TH AVE/DOUGLAS RD ID NO. 3201

MIAMI-DADE COUNTY

Delivering Excellence Every Day

WATER & SEWER DEPARTMENT

3575 S. LEJEUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P

ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.opcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY
△	ADDENDUM #1	09/30/21	ERE

APPROVALS

PROJECT MGR:	CHECKED: E.L.
DESIGNED: H.V.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida – License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:

DATE: 03/05/21 SCALE: 1"=40'

SHEET 100.B OF 104

DWG. No.

hvargas

10/12/2021

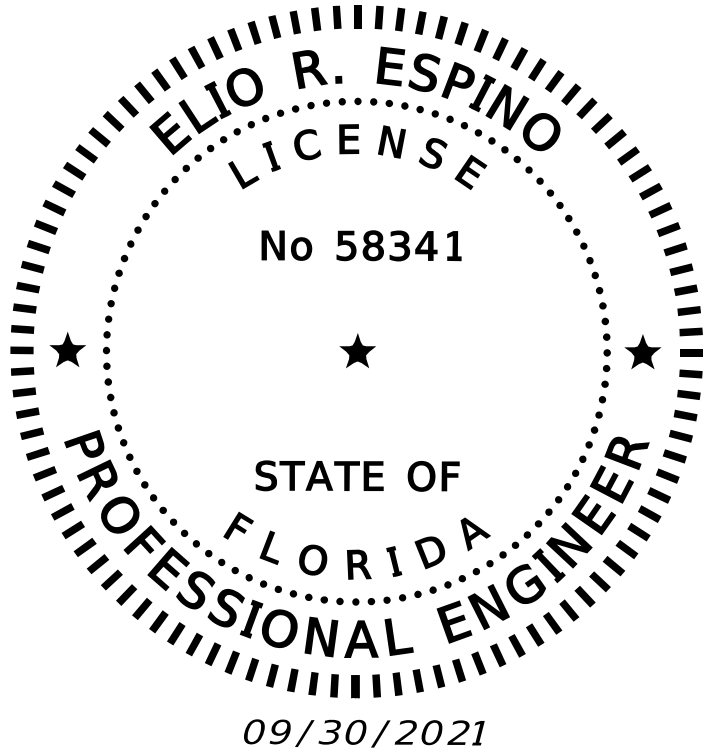
10:13:11 AM

P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase 1\2-Sheets\Signals\NW 79 St_Phase 1X-A\Addendum\MSSGSG01.dgn

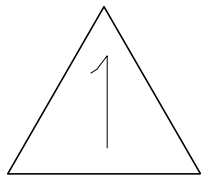
(3201) NW 37 Ave & 79 St (Phase IX)

			Green Time							
TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
0	Free									
600	6	120	7	51	0	44	8	50	8	30
700	5	150	8	71	0	53	10	69	10	37
930	6	120	7	51	0	44	8	50	8	30
1500	8	160	8	78	0	56	10	76	10	40
1900	6	120	7	51	0	44	8	50	8	30
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60



NOTES:
1. PHASE 1 TO REMAIN A LEADING PHASE
2. PHASE 5 TO BE PUT AS A LAGGING PHASE



PHASE IX

TEMPORARY SIGNAL TIMING
NW 79TH ST & NW 37TH AVE/DOUGLAS RD ID NO. 3201

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJEUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797

8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 8-INCH SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TEMPORARY SIGNALIZATION & TIMING PLANS

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY
△	ADDENDUM #1	09/30/21	ERE

APPROVALS

PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:

DATE: 03/05/21 SCALE: 1"=40'

SHEET 102 OF 104

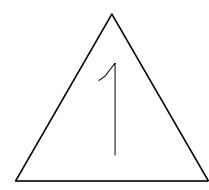
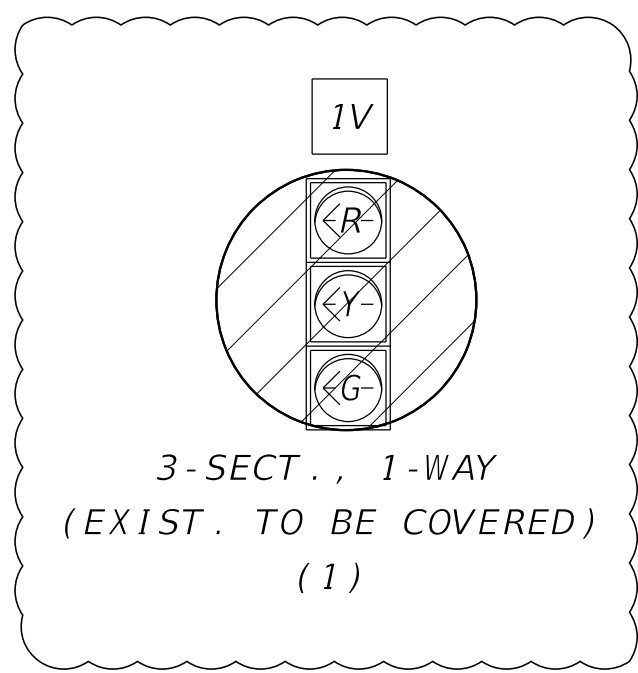
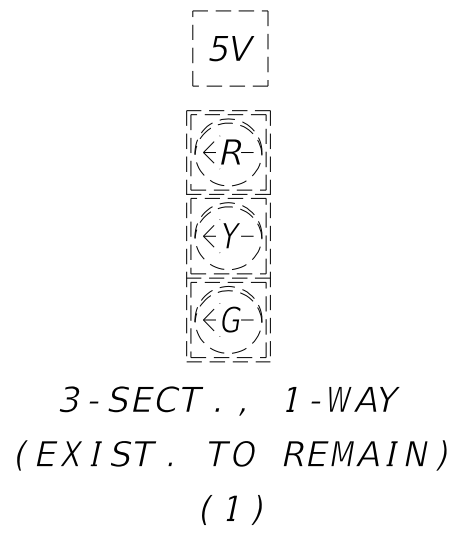
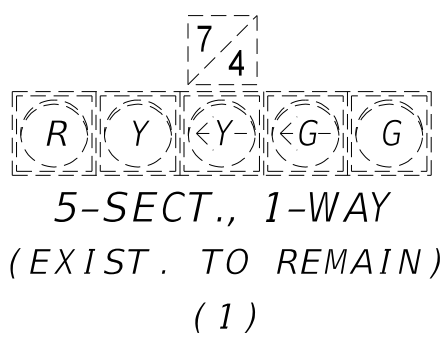
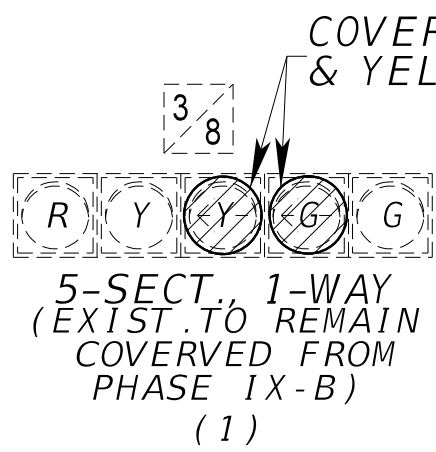
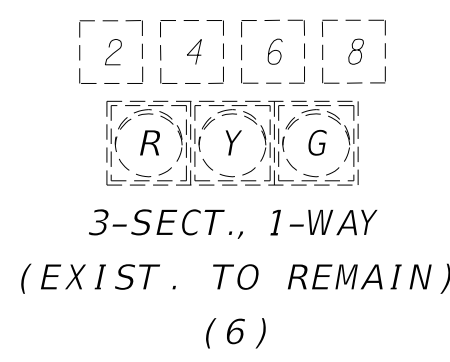
DWG. No.

hvargas

10/12/2021 10:13:31 AM

P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase I\2-Sheets\Signals\NW 79 St_Phase IX-A\Addendum\MSSGSG01.dgn

SIGNAL HEAD & SIGN DETAILS



SE 25 ST
NW 79 ST

EXIST. LED IISNS
D3-1
(EXIST. TO REMAIN)
(2)

NW 37 AV/ E 12 AV
Douglas Rd

EXIST. LED IISNS
D3-1
(EXIST. TO REMAIN)
(2)

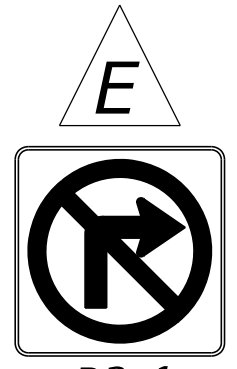
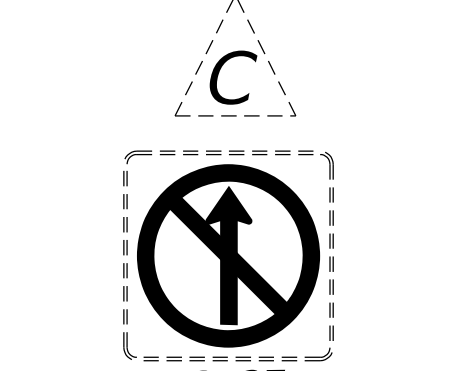
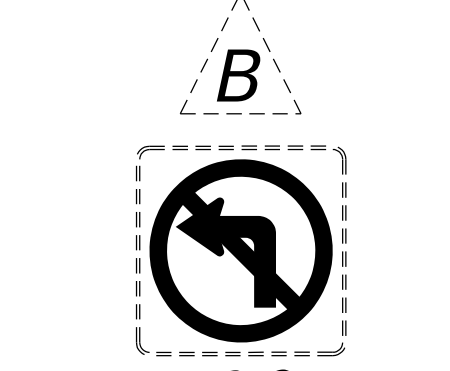
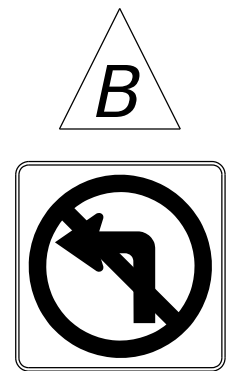
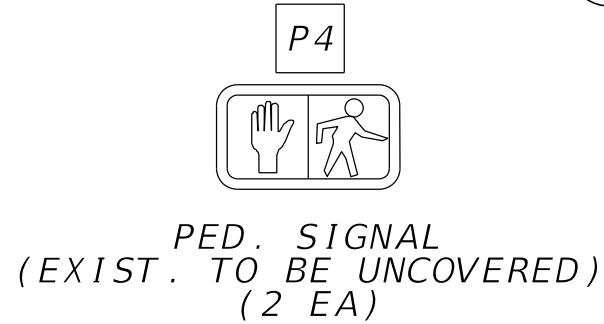
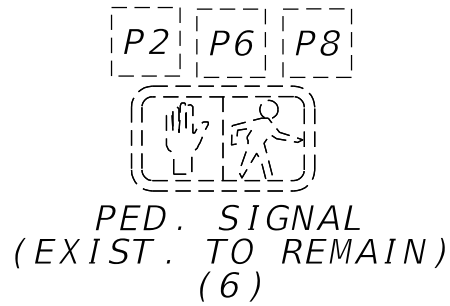
CONTROLLER OPERATION:

1. MAJOR STREET: SR 934/ E 25 AVE/ NW 79 ST
MINOR STREET: NW 37 AVE

2.SOP: AS SHOWN

NOTES:

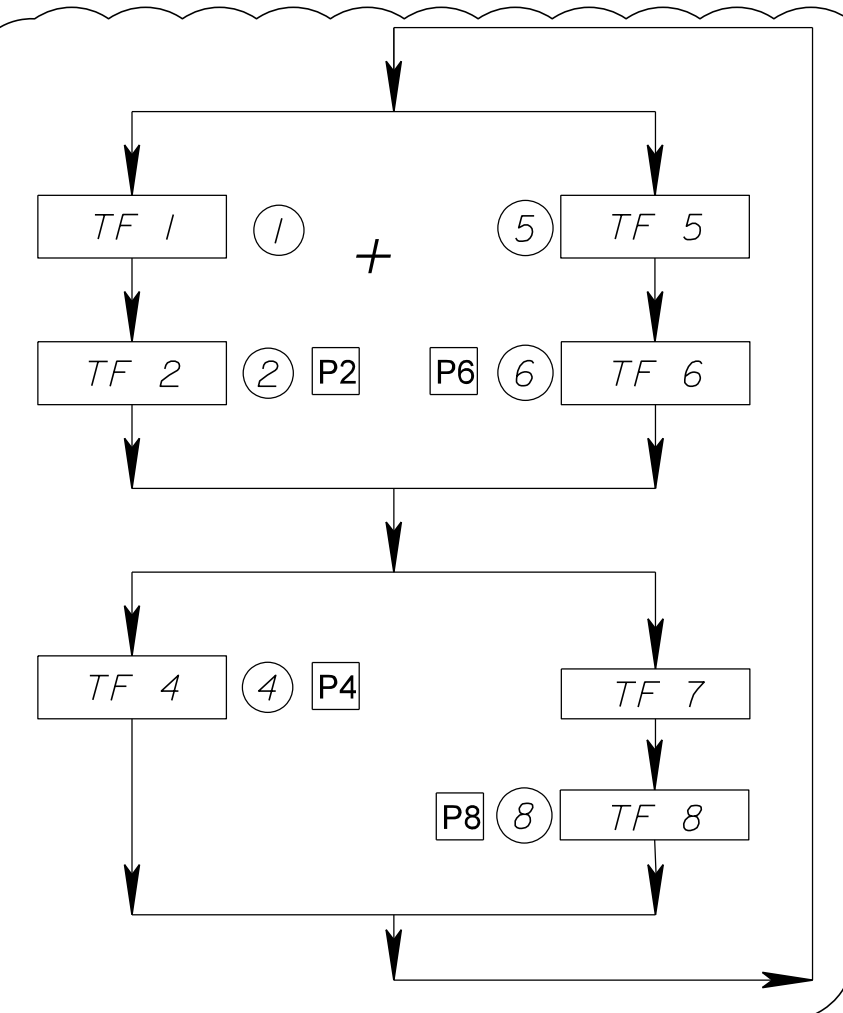
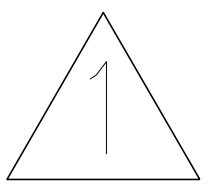
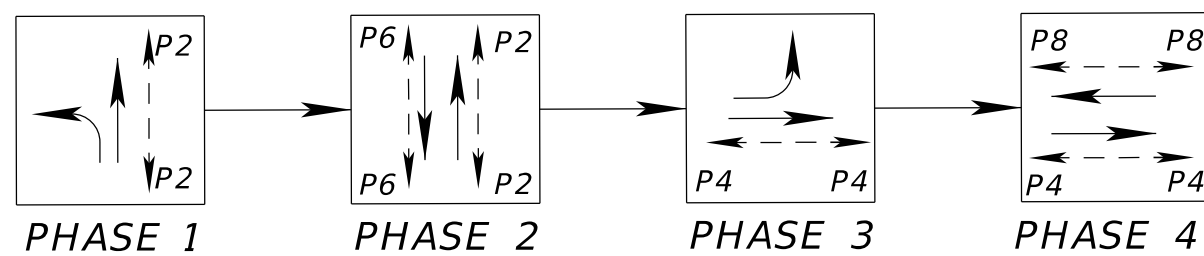
1. DISABLE L-3 & L-4 INSIDE
(DONE IN PREVIOUS PHASE) DETECTION



R3-1
36" X 36"
PROP. SIGN
(1 EA)
700-3-201

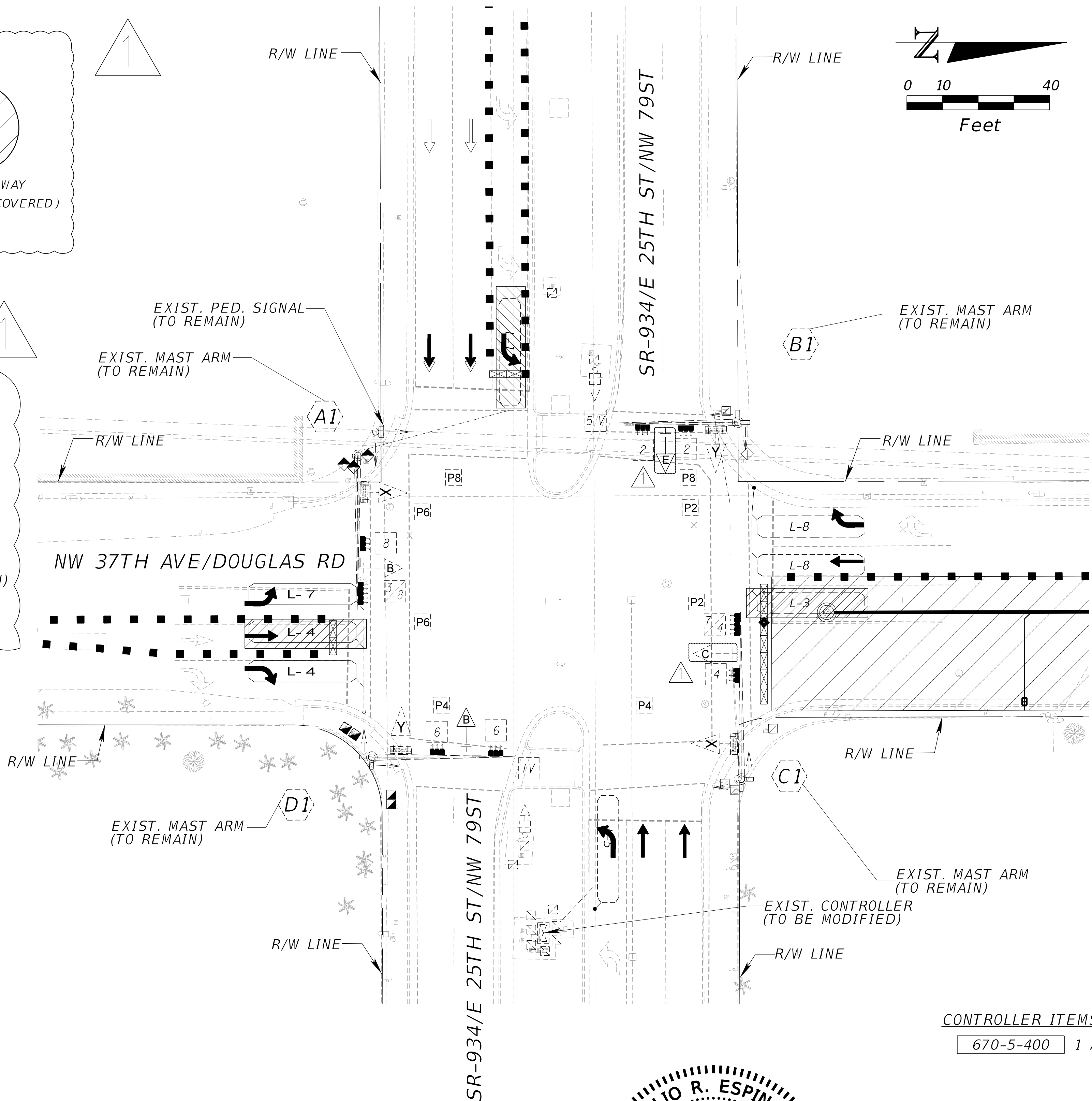
EXIST. DETECTORS FOR LOOP		
	NO. OF EXIST. LOOPS	NO. OF EXIST. DETS.
L-4	1	1
L-7	1	1
L-3	1	1
L-8	1	1
L-1	2	1
L-5	1	1

PROP. S.O.P.

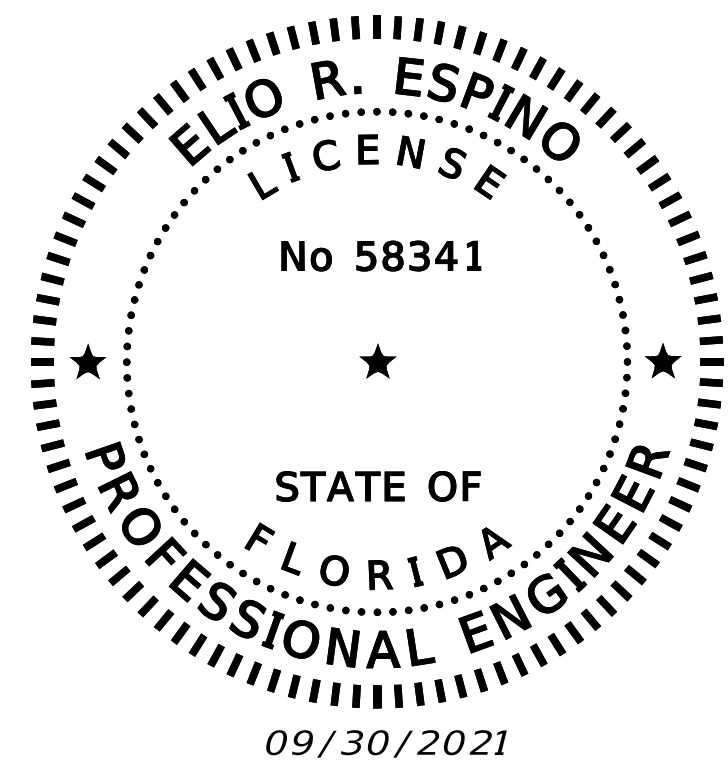


LEGEND

- CHANNELIZING DEVICE
- WORK AREA
- BARRICADE TYPE III
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING
- EXIST. LOOP TO BE DISCONNECTED



CONTROLLER ITEMS
670-5-400 1 AS



PHASE X

TEMPORARY SIGNALIZATION
SR-934/E 25TH ST/NW 79TH ST & NW 37TH AVE ID NO. 3201

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 90% SUBMITTAL	08/28/20	ERE
2 PERMIT SUBMITTAL	10/28/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	ADDENDUM #1	09/30/21	ERE

APPROVALS	
PROJECT MGR:	CHECKED: E.L.
DESIGNED: H.V.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR:	

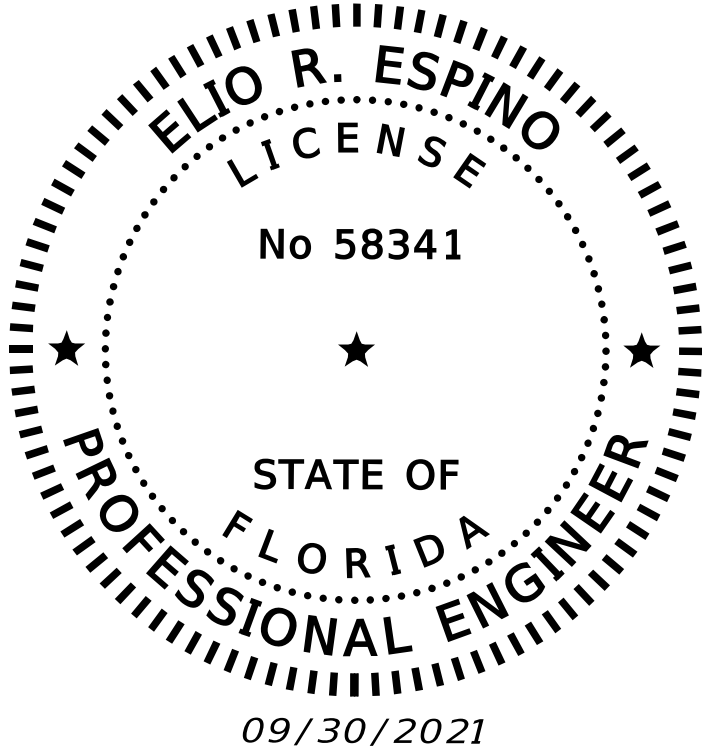
ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:	
DATE: 03/05/21	SCALE: 1"=40'
SHEET 103 OF 104	
DWG. No.	

(3201) NW 37 Ave & 79 St (Phase X)

			Green Time							
TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
0	Free									
600	6	120	0	64	0	44	8	50	8	30
700	5	150	0	85	0	53	10	69	10	37
930	6	120	0	64	0	44	8	50	8	30
1500	8	160	0	92	0	56	10	76	10	40
1900	6	120	0	62	0	44	8	50	8	30
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				60				60



NOTE:
1. PHASE 5 TO BE PUT AS A LEADING PHASE

1

PHASE X

TEMPORARY SIGNAL TIMING
NW 79TH ST & NW 37TH AVE/DOUGLAS RD ID NO. 3201

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 16-INCH WATER MAIN ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TRAFFIC CONTROL PLANS PHASE IX-A

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90 % SUBMITTAL	05/15/20	ERE
2 PERMIT SUBMITTAL	07/02/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY
△	ADDENDUM #1	09/30/21	ERE

APPROVALS

PROJECT MGR:	CHECKED: D.P.
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida - License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:

DATE: 07/02/20 SCALE: 1"=40'

SHEET 104 OF 104

DWG. No.

hvargas

10/12/2021

10:38:20 AM

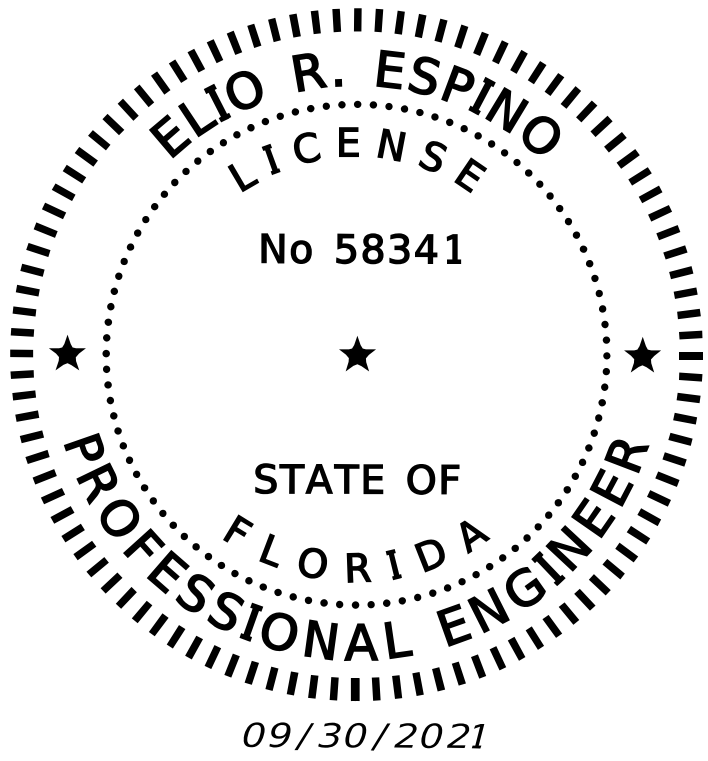
P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase I\2181621303 Signals\N10728-50 Phase IX\Phase I\N10728-50 WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CA

(3201) NW 37 Ave & 79 St (Phase XI-A)

			Green Time							
TOD Schedule	Plan	Cycle	1 EBL	2 WBT	3 SBL	4 NBT	5 WBL	6 EBT	7 NBL	8 SBT
0	Free									
600	6	120	8	50	8	30	8	50	8	30
700	5	150	10	69	10	37	10	69	10	37
930	6	120	8	50	8	30	8	50	8	30
1500	8	160	10	76	10	40	10	76	10	40
1900	6	120	8	50	8	30	8	50	8	30
2100	Free									

Phase Bank 1	Phase 1 EBL	Phase 2 WBT	Phase 3 SBL	Phase 4 NBT	Phase 5 WBL	Phase 6 EBT	Phase 7 NBL	Phase 8 SBT
Maximum 2				50				50

NOTES:



1

PHASE XI-A

TEMPORARY SIGNAL TIMING
NW 79TH ST & NW 37TH AVE/DOUGLAS RD ID NO. 3201

MIAMI-DADE
COUNTY

Delivering Excellence Every Day

WATER & SEWER
DEPARTMENT

3575 S. LEJEUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

A&P
ENGINEERS

CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apcte.com

PROPOSED 16-INCH WATER MAIN ALONG NW 37th AVENUE,
FROM NW 36th STREET TO NW 82nd STREET.
ISD PROJECT No. E15-WASD-03B
ER W017329; PCTS No. 16054

TRAFFIC CONTROL PLANS PHASE IX-A

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 90 % SUBMITTAL	05/15/20	ERE
2 PERMIT SUBMITTAL	07/02/20	ERE
3 PERMIT RESUBMITTAL	01/20/21	ERE
4 100% SUBMITTAL	03/05/21	ERE

REVISIONS

No.	DESCRIPTION	DATE	BY
△	ADDENDUM #1	09/30/21	ERE

APPROVALS

PROJECT MGR:	CHECKED: D.P..
DESIGNED: L.M.G.	DRAWN: H.V.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ELIO R. ESPINO, P.E.
CIVIL ENGINEER
State of Florida – License No. 58341
10305 NW 41 ST SUITE 115,
MIAMI FL 33178
(305) 592-7283

FILE NAME:

DATE: 07/02/20 SCALE: 1"=40'

SHEET 104.C OF 104

DWG. No.

hvargas

10/12/2021

10:14:42 AM

P:\M-D WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CAD\Phase I\2101161201Signals\NW 79 St Phase XI-A\WASD-E15-WASD-03B Small Diameter Pipes\Projects\8-inch Sanitary Sewer System NW 37 AVE\CA