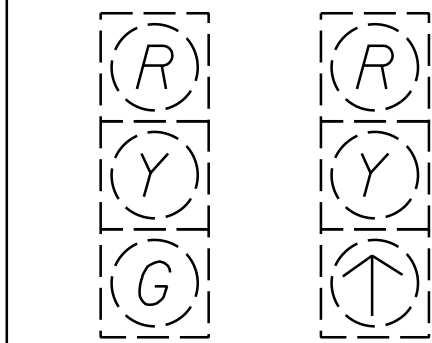
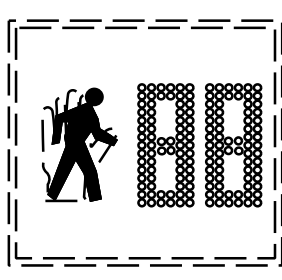


EXISTING SIGNALS



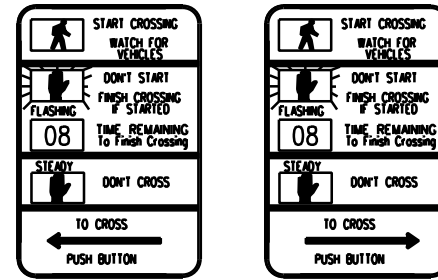
2.4 2

EXISTING PED SIGNALS TO BE REMOVED



HEAD
P2,P4

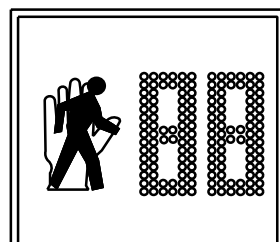
PROPOSED SIGNALS



S-1
R10-3E
(Left)
(9' x 15')

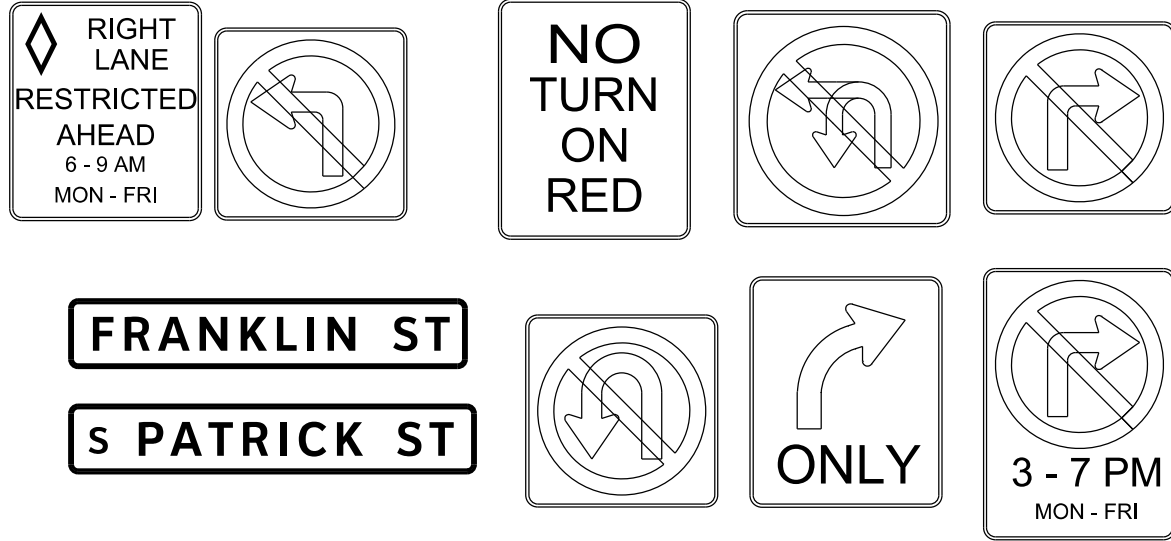
S-2
R10-3E
(Right)
(9' x 15')

PROPOSED SIGNALS

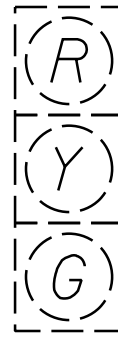


HEADS
P2A,P4A

EXISTING SIGNS



EXISTING VEHICULAR SIGNALS TO BE REMOVED

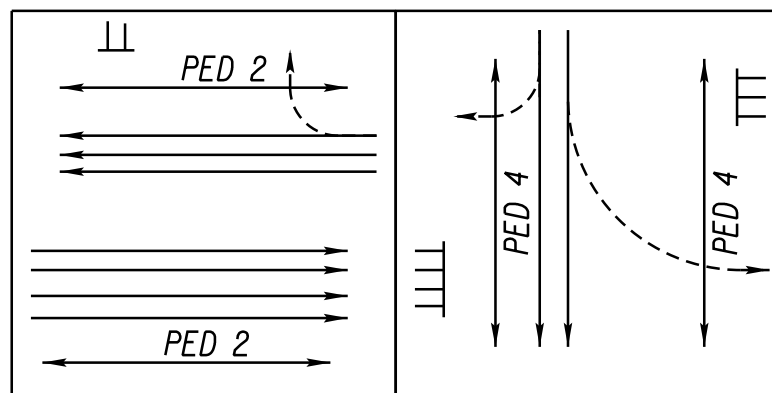


4

CONSTRUCTION NOTES

1. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P2 AND P4 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE SW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING SIGNAL POLE AND INSTALL NEW PEDESTRIAN SIGNAL HEADS P2A AND P4A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
2. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P2 AND P4 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE NW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL POLE, SIGNAL HEADS AND PUSHBUTTONS. INSTALL NEW PEDESTRIAN SIGNAL HEADS P2A AND P4A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
3. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P2 AND P4 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE NE QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING SIGNAL POLE AND INSTALL NEW PEDESTRIAN SIGNAL HEADS P2A AND P4A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
4. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P2 AND P4 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE SE QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING SIGNAL POLE AND INSTALL NEW PEDESTRIAN SIGNAL HEADS P2A AND P4A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
5. INSTALL PROPOSED PEDESTAL POLE FOUNDATION INTO CURB IN THE SW QUADRANT (SEE DETAIL).

PHASING DIAGRAM



Ø2

Ø4

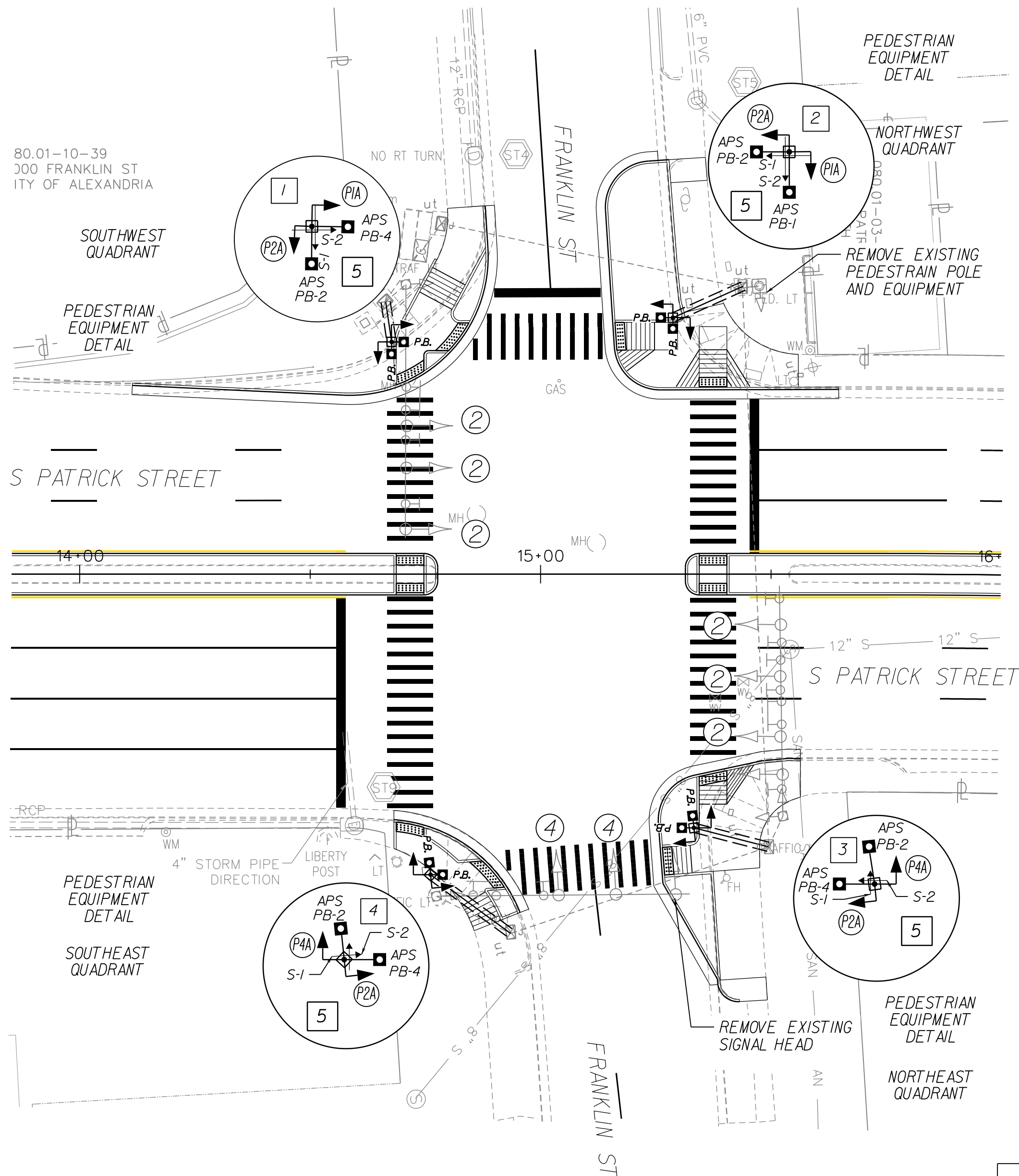
COLOR SEQUENCE CHART

SIGNAL	PHASES		COMBINATIONS	FLASH
	2	4		
2	G		G	Y
4		G		R
APS 2A	W	DW	W	BLANK
APS 4A	DW	W	DW	BLANK

Initial Timing Chart

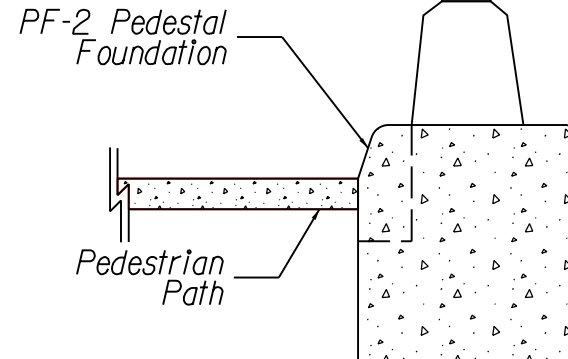
PHASE	BOLD = NEW							
	1	2	3	4	5	6	7	8
MOVEMENT		NB-SB THRU		EB				
PHASE ON		X		X	X	X	X	X
PHASE OFF	X		X	X	X	X	X	X
INTERVAL	PHASE TIMINGS							
MIN GR		10.0		14.0				
PASSAGE		0.0		2.0				
AMBER		3.5		3.3				
RED		1.0		3.0				
MAX 1		80		30				
MAX 2		0.0		0.0				
MIN GAP		0.0		2.0				
LEADING PED WALK		0.0		0.0				
PED WALK		7.0		7.0				
PED CLEARANCE		14.0		23.0				
MODE		MIN RECALL		NON-LOCK				

NOTE: EXISTING TIMINGS ABOVE ARE BASED ON TIMING DATA PROVIDED BY THE CITY.



PEDESTAL POLE & RAMP DETAIL

POLE IN NE, NW, SE, AND SW QUADRANTS SHALL BE INSTALLED WITH THE FOUNDATION CONSTRUCTED INTO THE CURB ON THE BACKSIDE OF THE LANDING AS SHOWN.



PUSHBUTTON (QUADRANT)	SPEECH PB INFORMATION MESSAGE	AUDIBLE WALK INDICATION
P2 (NE, NW, SE, SW)	WAIT TO CROSS S PATRICK AT FRANKLIN	S PATRICK WALK SIGN IS ON TO CROSS S PATRICK.
P4 (NE, NW, SE, SW)	WAIT TO CROSS FRANKLIN AT S PATRICK	FRANKLIN WALK SIGN IS ON TO CROSS FRANKLIN.

NOTE: ALL OTHER TONES AND BEACONING ASSOCIATED WITH APS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.

HORIZONTAL SCALE
0 20' 40'



30% DESIGN



CITY OF ALEXANDRIA, VIRGINIA
DEPARTMENT OF PROJECT IMPLEMENTATION
301 KING STREET
ALEXANDRIA, VIRGINIA 22314

REVISIONS
DATE BY DESCRIPTION

DATE	BY	DESCRIPTION

8150 LEESBURG PIKE
SUITE 630
VIENNA, VA 22182
(703) 942-8900
WWW.MEADHUNT.COM



SHEET
31 OF 37

SCALE 1"=20'



30% DESIGN

CITY OF ALEXANDRIA, VIRGINIA
DEPARTMENT OF PROJECT IMPLEMENTATION
301 KING STREET
ALEXANDRIA, VIRGINIA 22314

S. PATRICK STREET (US ROUTE 1) AND GIBBON STREET (TRAFFIC SIGNAL PLAN)

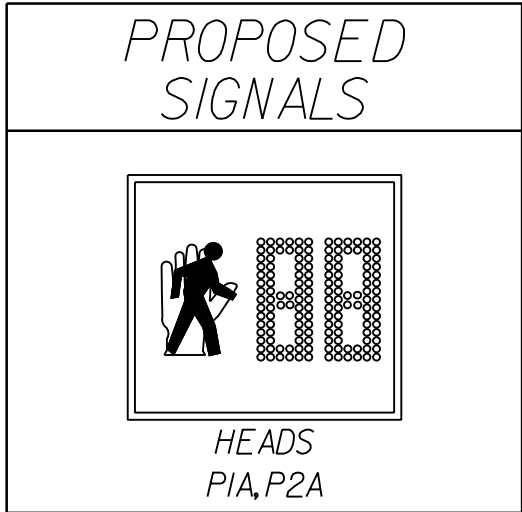
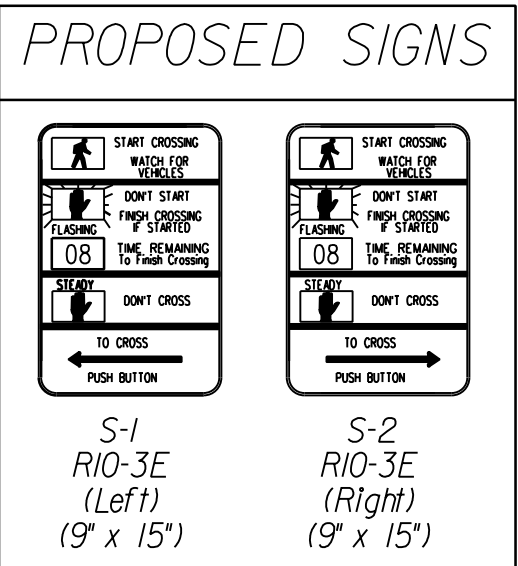
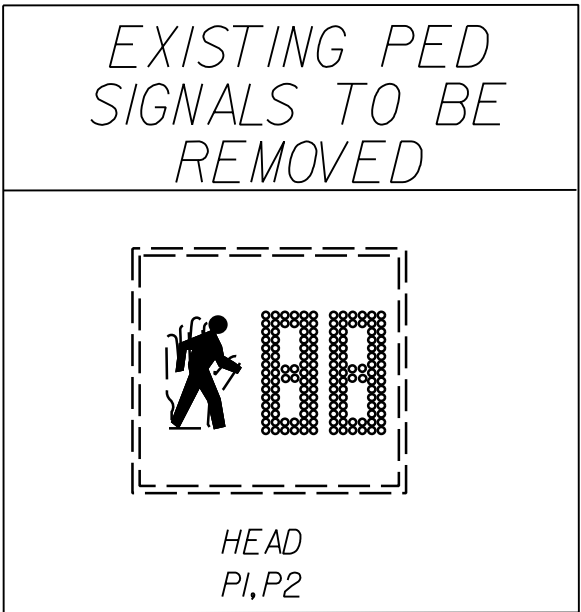
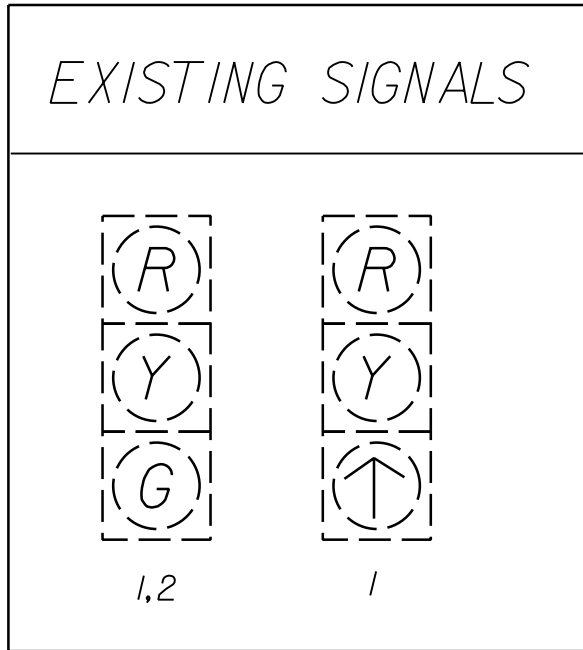
REVISIONS	DESCRIPTION
DATE	BY
2663	ALEXANDRIA PROJECT NO.:
DATE OF PLAN ISSUANCE:	CONSULTANT PROJECT ID.:
DESIGNED BY: BN DATE:	DRAWN BY: BN DATE:
CHECKED BY: JP DATE:	APPROVED BY: DATE:

8150 LEESBURG PIKE
SUITE 630
VIENNA, VA 22182
(703) 942-8900
WWW.MEADHUNT.COM

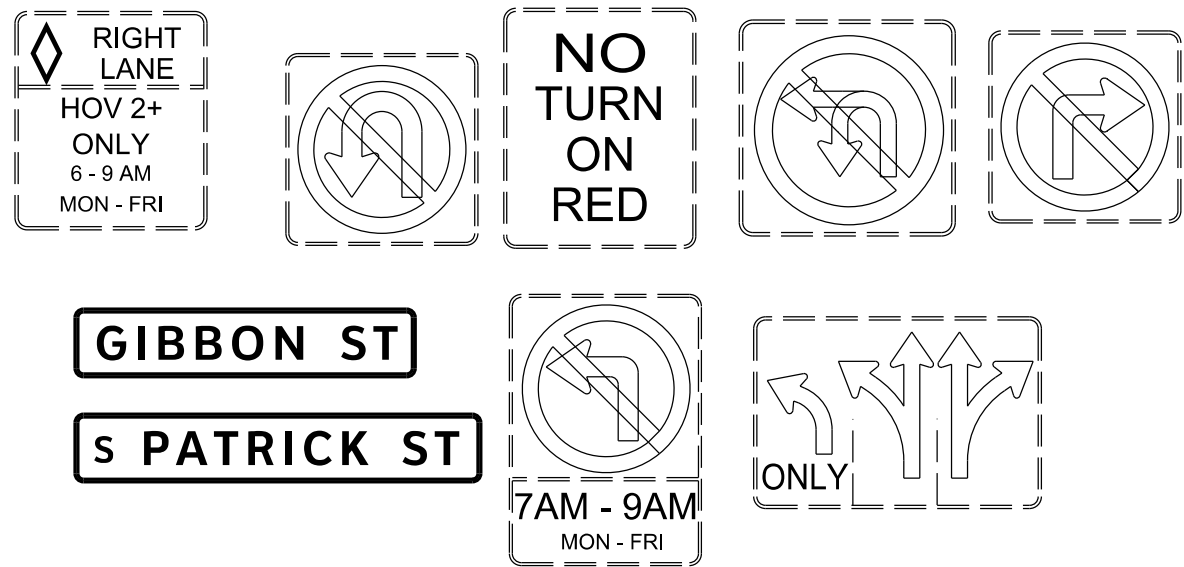


SHEET
32 OF 37

SCALE 1"=20'



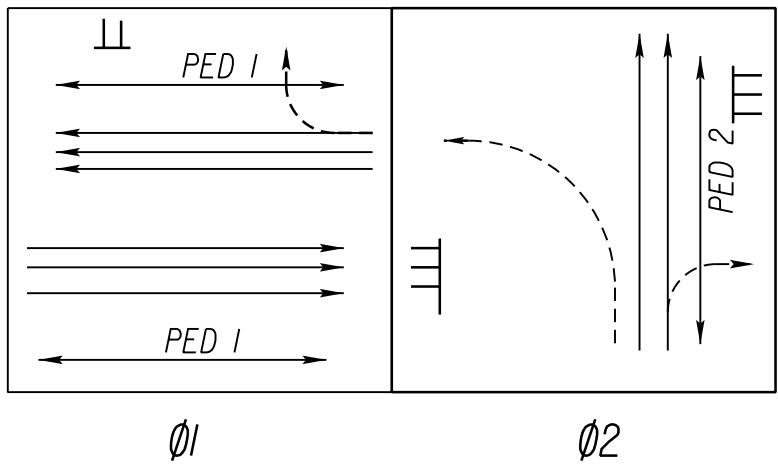
EXISTING SIGNS



CONSTRUCTION NOTES

1. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P1 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE SW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING SIGNAL POLE AND INSTALL NEW PEDESTRIAN SIGNAL HEAD P1A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
2. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P1 AND P2 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE NW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL POLE, SIGNAL HEADS AND PUSHBUTTONS. INSTALL NEW PEDESTRIAN SIGNAL HEADS P1A AND P2A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
3. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P1 AND P2 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE NE QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL POLE, SIGNAL HEADS AND PUSHBUTTONS. INSTALL NEW PEDESTRIAN SIGNAL HEADS P1A AND P2A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
4. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P2 AND P4 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE SE QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL POLE, SIGNAL HEADS AND PUSHBUTTONS. INSTALL NEW PEDESTRIAN SIGNAL HEADS P1A AND P2A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
5. INSTALL PROPOSED PEDESTAL POLE FOUNDATION INTO CURB IN THE SW QUADRANT (SEE DETAIL).
6. INSTALL PROPOSED PEDESTAL POLE FOUNDATION FLUSH WITH THE ADA RAMP.

PHASING DIAGRAM



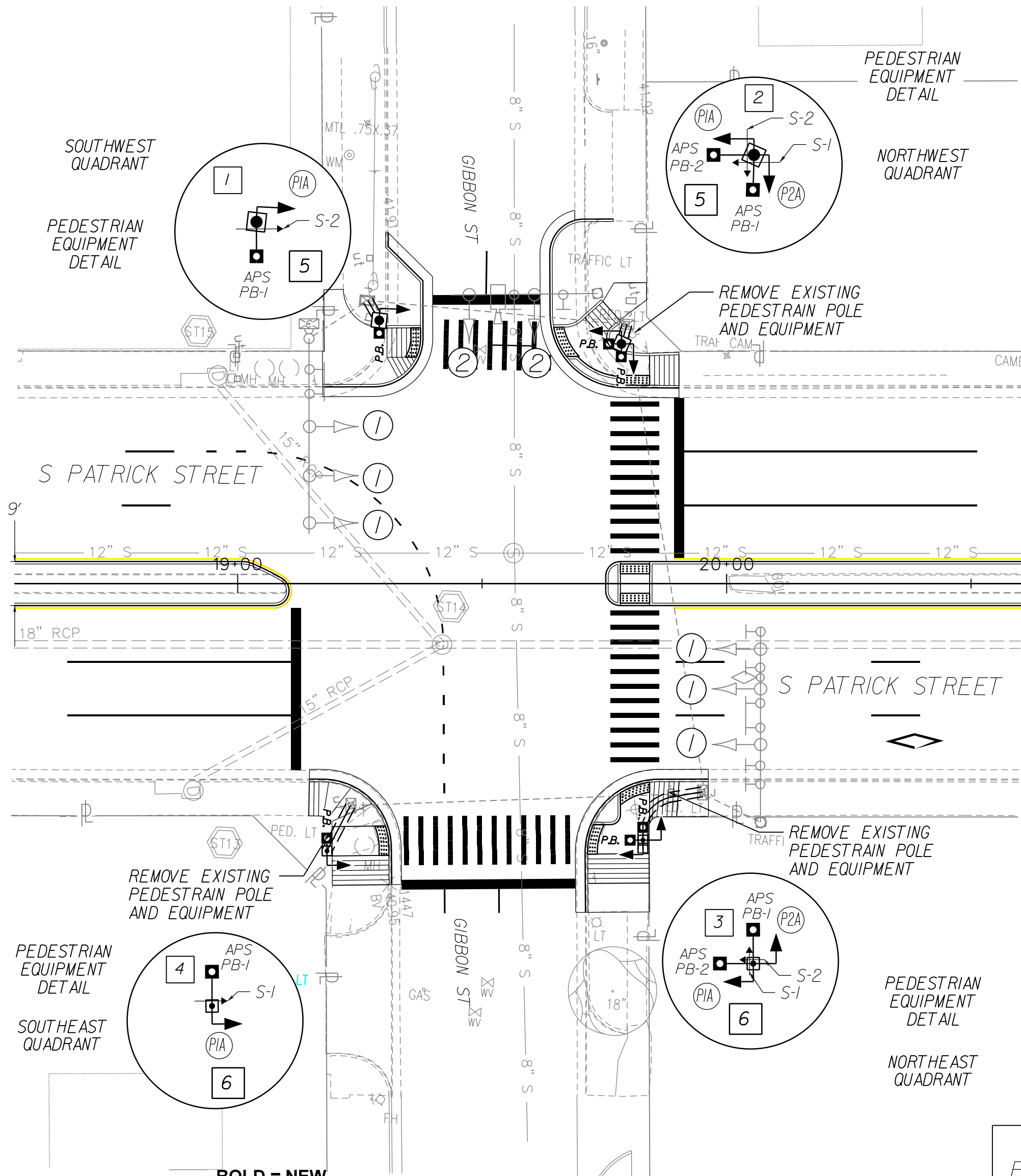
COLOR SEQUENCE CHART

SIGNAL	PHASES		COMBINATIONS	FLASH
	1	2		
1	G		G	Y
2		G		R
APS 1A	W	DW	W	BLANK
APS 2A	DW	W	DW	BLANK

Initial Timing Chart

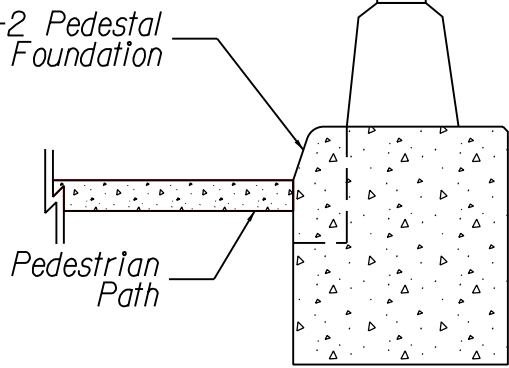
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NB-SB THRU	WB						
PHASE ON	X	X						
PHASE OFF			X	X	X	X	X	X
INTERVAL	PHASE TIMINGS							
MIN GR	10.0	7.0						
PASSAGE	2.0	2.0						
AMBER	3.5	3.3						
RED	1.0	3.0						
MAX 1	40	36						
MAX 2	0.0	0.0						
MIN GAP	2.0	0.0						
LEADING PED WALK	0.0	0.0						
PED WALK	5	4						
PED CLEARANCE	17	24						
MODE								

NOTE: EXISTING TIMINGS ABOVE ARE BASED ON TIMING DATA PROVIDED BY THE CITY.



PEDESTAL POLE & RAMP DETAIL

POLES IN NW AND SW QUADRANT SHALL BE INSTALLED WITH THE FOUNDATION CONSTRUCTED INTO THE CURB ON THE BACKSIDE OF THE LANDING AS SHOWN.

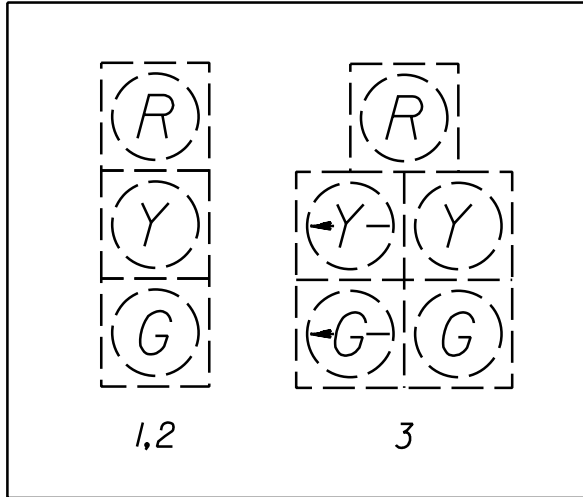


PUSHBUTTON (QUADRANT)	SPEECH PB INFORMATION MESSAGE	AUDIBLE WALK INDICATION
P1 (NE, NW)	WAIT TO CROSS S GIBBON AT PATRICK	GIBBON.WALK SIGN IS ON TO CROSS GIBBON.
P2 (NE, NW)	WAIT TO CROSS PATRICK AT GIBBON	PATRICK.WALK SIGN IS ON TO CROSS PATRICK.
P1 (SE, SW)	WAIT TO CROSS S GIBBON AT PATRICK	PERCUSSIVE TONE

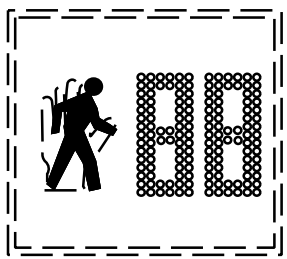
NOTE: ALL OTHER TONES AND BEACONING ASSOCIATED WITH APS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.



EXISTING SIGNALS

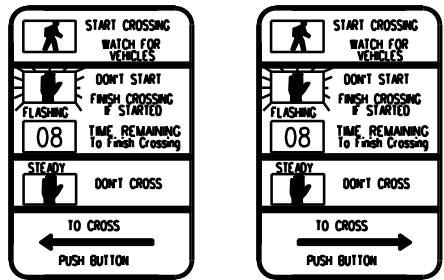


EXISTING SIGNALS TO BE REMOVED



HEAD
P1,P2

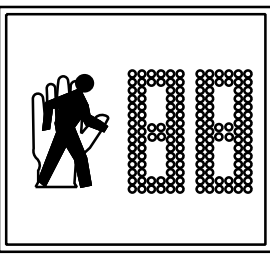
PROPOSED SIGNS



S-1
R10-3E
(Left)
(9' x 15')

S-2
R10-3E
(Right)
(9' x 15')

PROPOSED SIGNALS



HEADS
P2A,P3A

EXISTING SIGNS



WILKES ST

S PATRICK ST

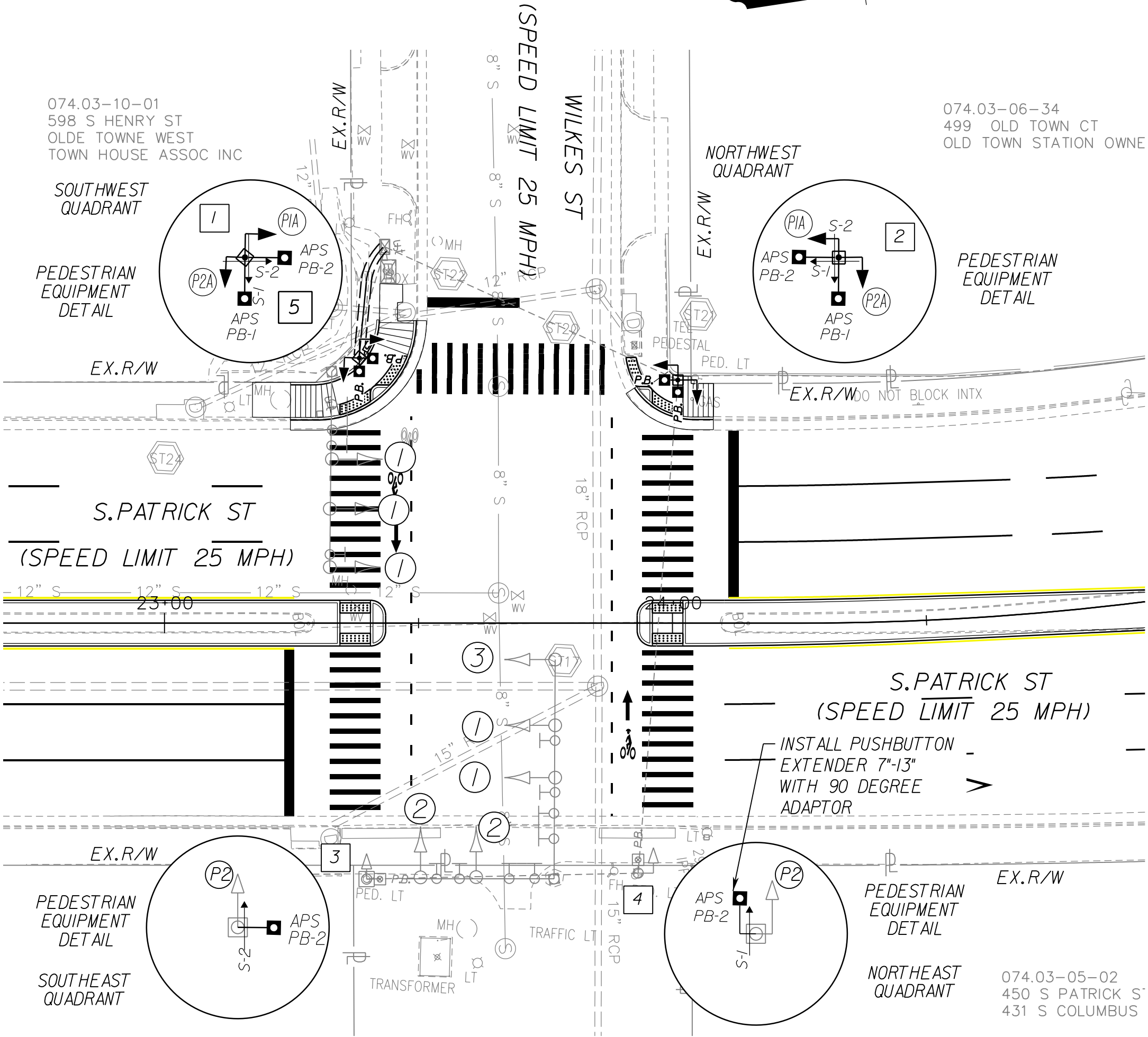
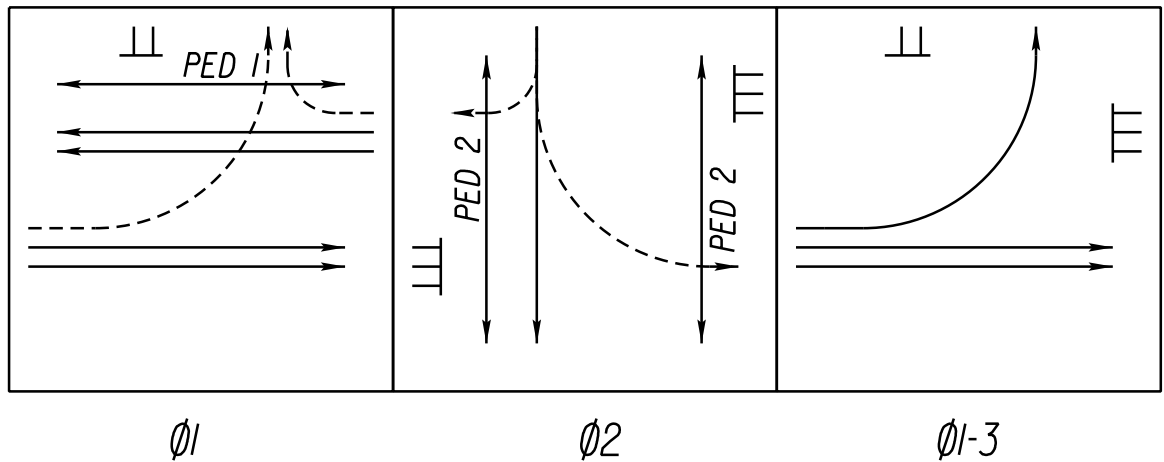
PUSHBUTTON (QUADRANT)	SPEECH PB INFORMATION MESSAGE	AUDIBLE WALK INDICATION
P2 (NW,SW)	WAIT TO CROSS PATRICK AT WILKES	PATRICK.WALK SIGN IS ON TO CROSS PATRICK.
P1 (NW, SW)	WAIT TO CROSS WILKES AT PATRICK	WILKES.WALK SIGN IS ON TO CROSS WILKES.
P2 (NE,SE)	WAIT TO CROSS WILKES AT PATRICK	PERCUSSIVE TONE

NOTE: ALL OTHER TONES AND BEACONING ASSOCIATED WITH APS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.

COLOR SEQUENCE CHART

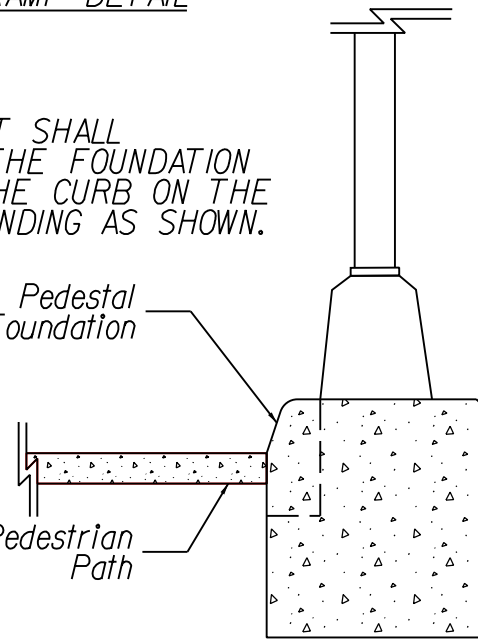
SIGNAL	PHASES			COMBINATIONS		FLASH
	1	2	3	I-3	I-1	
1	G			G	G	Y
2		G				R
3			G			Y
APS 1A	W	DW	DW	DW	W	BLANK
APS 2,2A	DW	W	DW	DW	DW	BLANK

PHASING DIAGRAM



PEDESTAL POLE & RAMP DETAIL

POLE IN SW QUADRANT SHALL BE INSTALLED WITH THE FOUNDATION CONSTRUCTED INTO THE CURB ON THE BACKSIDE OF THE LANDING AS SHOWN.



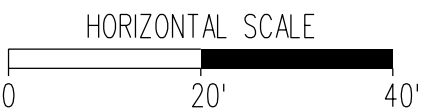
Initial Timing Chart

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NB-SB THRU	EB	NB LEFT					
PHASE ON	X	X	X					
PHASE OFF				X	X	X	X	X
INTERVAL	PHASE TIMINGS							
MIN GR	10.0	7.0	4.0					
PASSAGE	2.0	2.0	2.0					
AMBER	3.6	3.6	3.6					
RED	2.0	2.0	2.0					
MAX 1	40	20	4					
MAX 2	0.0	0.0	0.0					
MIN GAP	2.0	2.0	2.0					
LEADING PED WALK	0.0	0.0	0.0					
PED WALK	6.0	4.0	0.0					
PED CLEARANCE	19.0	27.0	0.0					
MODE		MIN RECALL	NON-LOCK					

NOTE: EXISTING TIMINGS ABOVE ARE BASED ON TIMING DATA PROVIDED BY THE CITY.

CONSTRUCTION NOTES

1. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P1 AND P2 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE SW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS ON THE EXISTING SIGNAL AND INSTALL NEW PEDESTRIAN SIGNAL HEADS P1A AND P2A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
2. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASES P1 AND P2 ON PROPOSED PEDESTAL POLE (ST'D PF-2) IN THE NW QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL POLE, SIGNAL HEADS AND PUSHBUTTONS. INSTALL NEW PEDESTRIAN SIGNAL HEADS P1A AND P2A ON THE PROPOSED PF-2 POLE. INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
3. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASE P2 ON EXISTING PEDESTRIAN POLE IN THE SE QUADRANT. REMOVE EXISTING PEDESTRIAN PUSHBUTTONS AND INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY AS SHOWN.
4. INSTALL ACCESSIBLE PEDESTRIAN PUSHBUTTONS FOR PEDESTRIAN PHASE P2 ON EXISTING PEDESTRIAN POLE IN THE NE QUADRANT. REMOVE EXISTING PEDESTRIAN PUSHBUTTONS AND INSTALL NEW PEDESTRIAN APS PUSHBUTTON ASSEMBLY WITH 7'-13' 90 DEGREE EXTENDER AS SHOWN.
5. INSTALL PROPOSED PEDESTAL POLE FOUNDATION INTO CURB IN THE SW QUADRANT (SEE DETAIL).



30% DESIGN



CITY OF ALEXANDRIA, VIRGINIA
DEPARTMENT OF PROJECT IMPLEMENTATION
301 KING STREET
ALEXANDRIA, VIRGINIA 22314

S. PATRICK STREET (US ROUTE 1) AND WILKES STREET (TRAFFIC SIGNAL PLAN)

REVISIONS	DATE	DESCRIPTION
1	11/12/2024	2663

ALEXANDRIA PROJECT NO.: 2663
DATE OF PLAN ISSUANCE: 11/12/2024
CONSULTANT PROJECT ID: 2663
DESIGNED BY: JYOTHRIMAL PALADUGU
DRAWN BY: JYOTHRIMAL PALADUGU
CHECKED BY: JYOTHRIMAL PALADUGU
APPROVED BY: JYOTHRIMAL PALADUGU

8150 LEESBURG PIKE
SUITE 630
VIENNA, VA 22182
(703) 942-8900
WWW.MEADHUNT.COM



SHEET
33 OF 37
SCALE 1"=20'