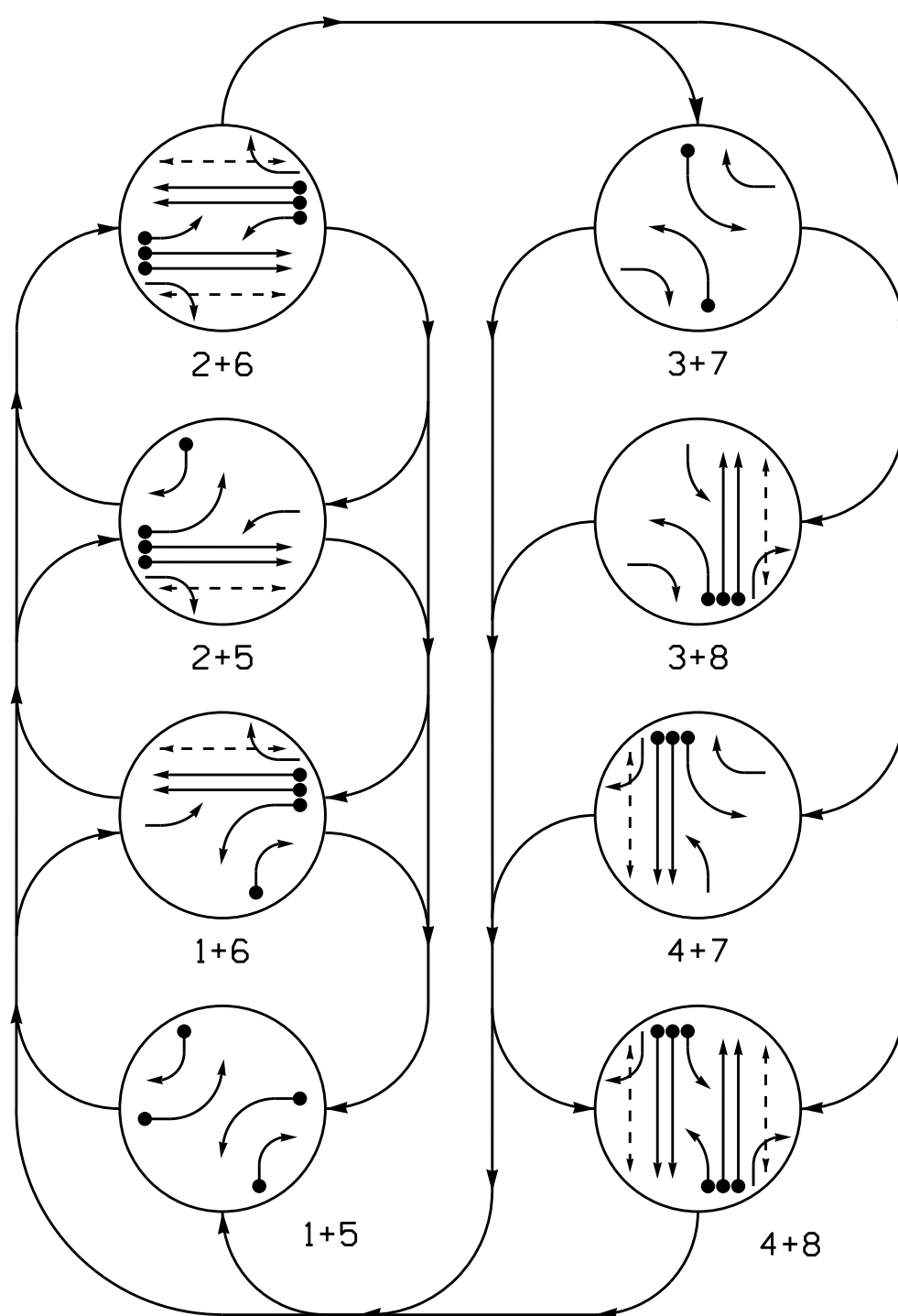


DEFAULT PHASING DIAGRAM

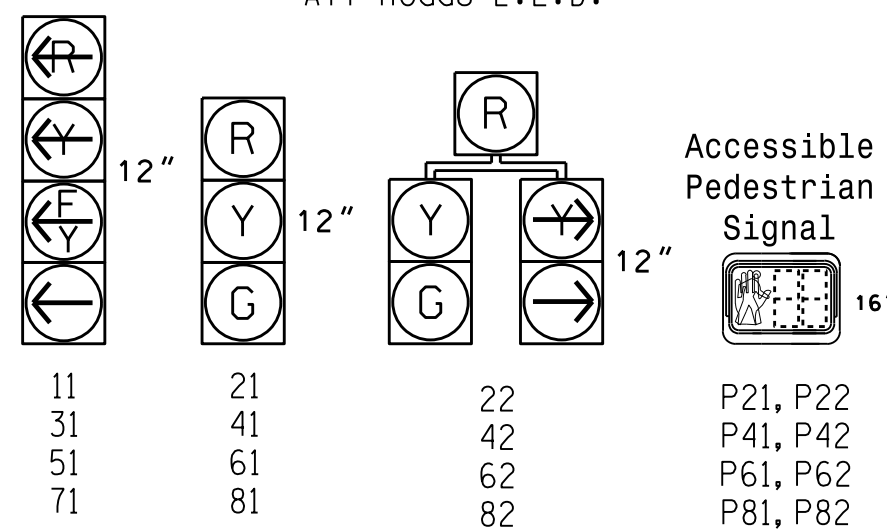


DEFAULT PHASING TABLE OF OPERATION

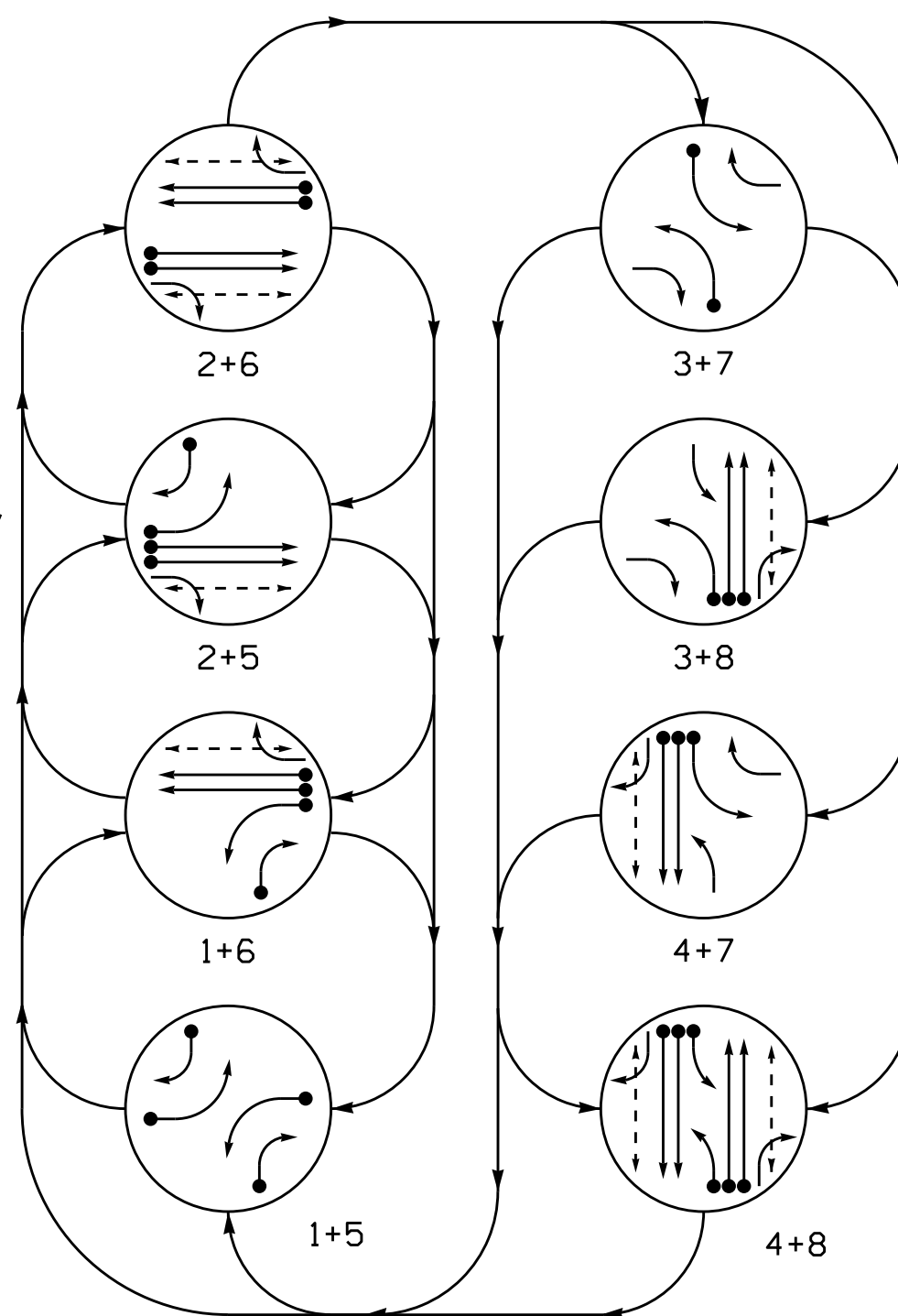
SIGNAL FACE	PHASE								
	1 + 5	1 + 6	2 + 5	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8	FLASH
11	←	←	\overleftarrow{F}	\overleftarrow{F}	→	→	→	→	→
21	R	R	G	G	R	R	R	R	R
22	R	R	G	G	\overrightarrow{R}	\overrightarrow{R}	R	R	R
31	→	→	→	→	←	←	\overleftarrow{F}	\overleftarrow{F}	→
41	→	→	R	R	R	R	G	G	R
42	\overrightarrow{R}	\overrightarrow{R}	\overrightarrow{R}	R	R	R	G	G	R
51	←	\overleftarrow{F}	←	\overleftarrow{F}	→	→	→	→	→
61	R	G	R	G	R	R	R	R	R
62	R	G	R	G	\overrightarrow{R}	\overrightarrow{R}	\overrightarrow{R}	\overrightarrow{R}	R
71	→	→	→	→	←	←	\overleftarrow{F}	→	→
81	R	R	R	R	R	G	R	G	R
82	\overrightarrow{R}	\overrightarrow{R}	R	R	R	G	R	G	R
P21, P22	DW	DW	W	W	DW	DW	DW	DW	DRK
P41, P42	DW	DW	DW	DW	DW	DW	W	W	DRK
P61, P62	DW	W	DW	W	DW	DW	DW	DW	DRK
P81, P82	DW	DW	DW	DW	DW	W	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

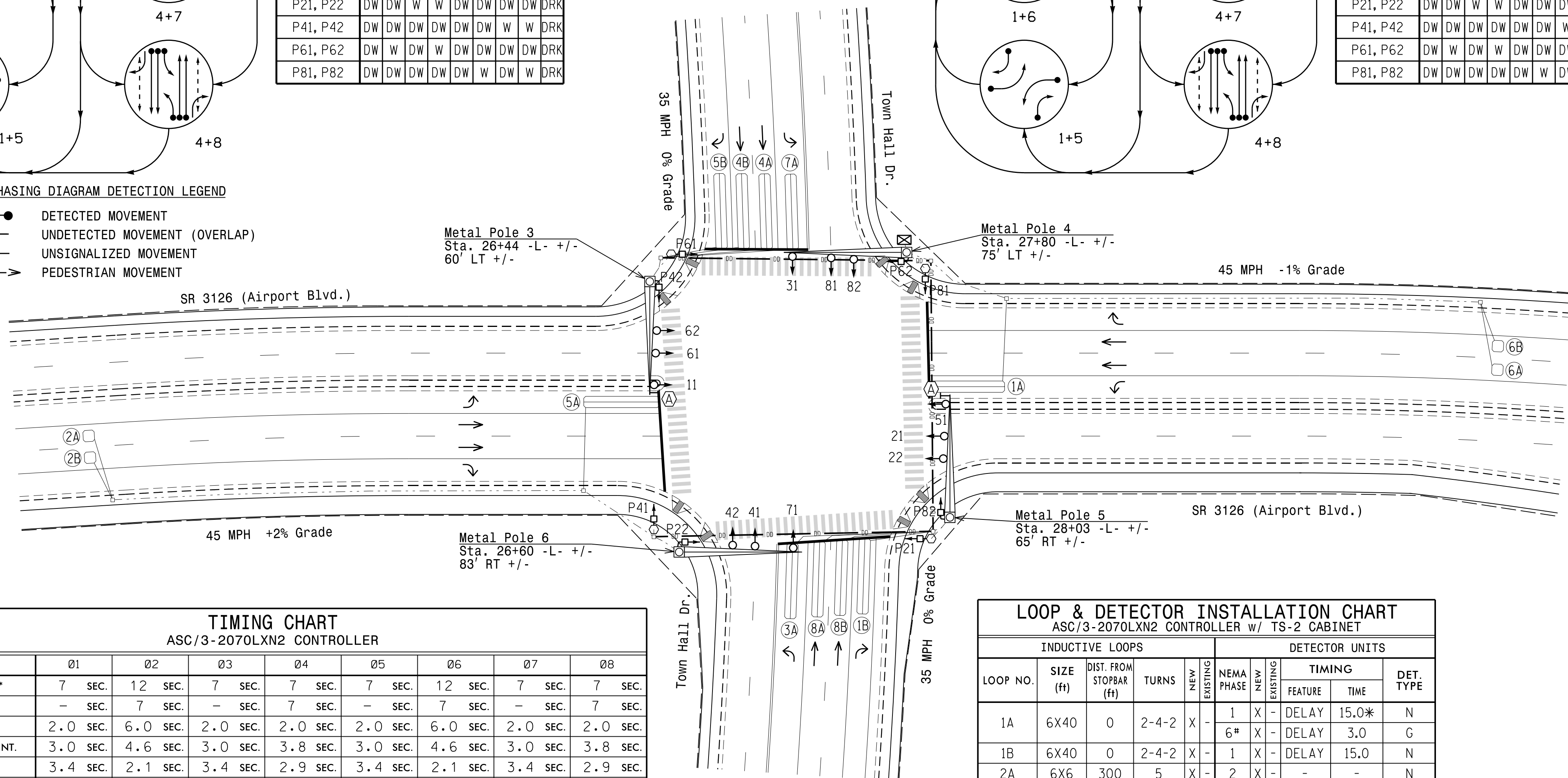
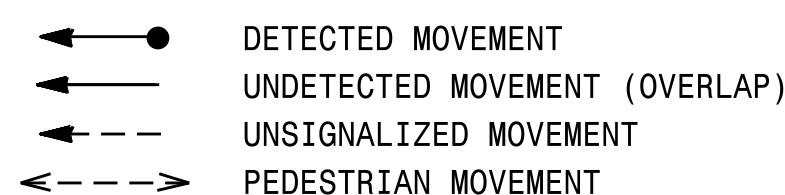
SIGNAL FACE	PHASE								
	1 + 5	1 + 6	2 + 5	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8	FLASH
11	←	←	→	→	→	→	→	→	→
21	R	R	G	G	R	R	R	R	R
22	R	R	G	G	R/R	R	R	R	R
31	→	→	→	→	←	←	←	←	←
41	R	R	R	R	R	G	G	G	R
42	R/R	R	R	R	R	R	G	G	R
51	←	→	←	→	→	→	→	→	→
61	R	G	R	G	R	R	R	R	R
62	R	G	R	G	R/R	R/R	R	R	R
71	→	→	→	→	←	←	←	←	←
81	R	R	R	R	R	G	G	G	R
82	R/R	R/R	R	R	R	G	G	G	R
P21, P22	DW	DW	W	W	DW	DW	DW	DW	DR
P41, P42	DW	DW	DW	DW	DW	DW	W	W	DR
P61, P62	DW	W	DW	W	DW	DW	DW	DW	DR
P81, P82	DW	DW	DW	DW	DW	W	DW	W	DR

8 Phase
Fully Actuated
(Cary Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
10. Pavement markings are existing unless otherwise shown.
11. The Division (Town) Traffic Engineer will determine the hours of use for each phasing plan.
12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

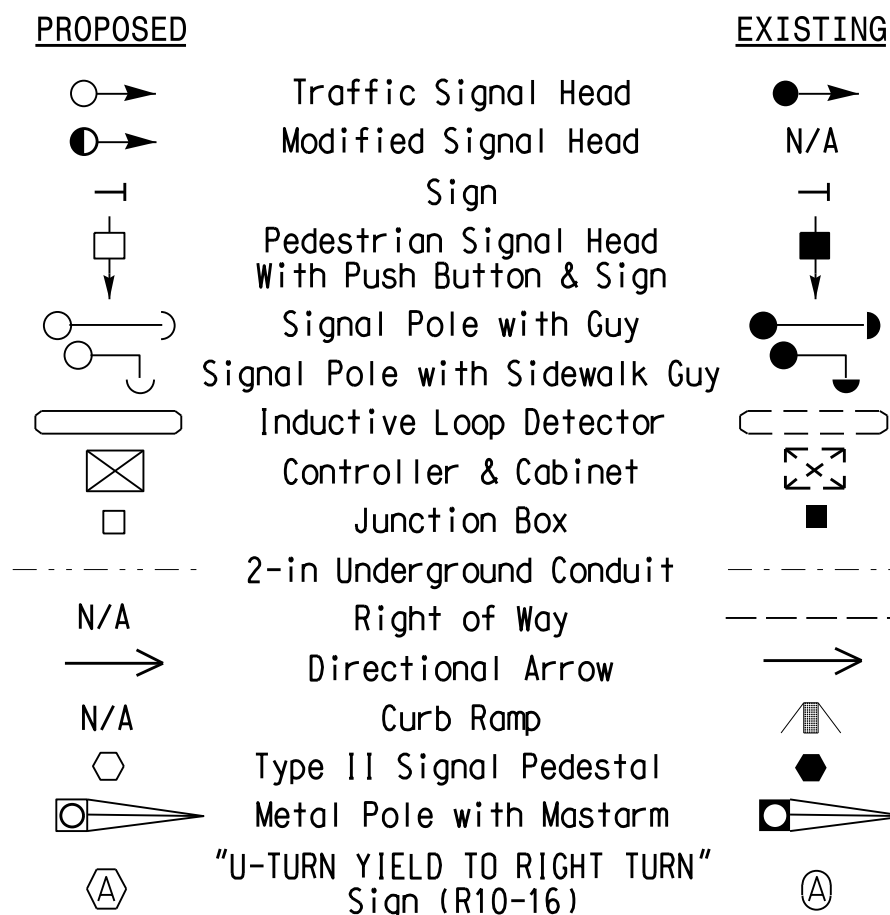
PHASING DIAGRAM DETECTION LEGEND



ACCESSIBLE PEDESTRIAN SIGNAL OPERATION

SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P21, P22	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Town Hall.
P41, P42	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Airport.
P61, P62	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Town Hall.
P81, P82	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Airport.

LEGEND



TIMING CHART

ASC/3-2070LXN2 CONTROLLER

[illegible]

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LOOP & DETECTOR INSTALLATION CHART

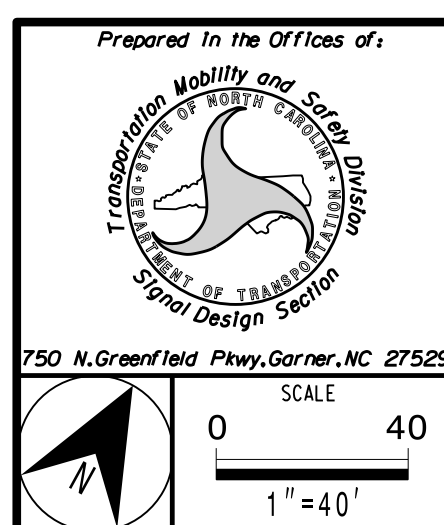
ASC/3-2070LXN2 CONTROLLER w/ TS-2 CABINET

INDUCTIVE LOOPS						DETECTOR UNITS					
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW	EXISTING	NEMA PHASE	NEW	EXISTING	TIMING		DET. TYPE
									FEATURE	TIME	
1A	6X40	0	2-4-2	X	-	1	X	-	DELAY	15.0*	N
1B	6X40	0	2-4-2	X	-	6*	X	-	DELAY	3.0	G
2A	6X6	300	5	X	-	2	X	-	-	-	N
2B	6X6	300	5	X	-	2	X	-	-	-	N
3A	6X40	0	2-4-2	X	-	3	X	-	DELAY	15.0	N
4A	6X40	0	2-4-2	X	-	8	X	-	DELAY	3.0	N
4B	6X40	0	2-4-2	X	-	4	X	-	-	-	N
5A	6X40	0	2-4-2	X	-	5	X	-	DELAY	15.0*	N
5B	6X40	0	2-4-2	X	-	2*	X	-	DELAY	3.0	G
6A	6X6	300	5	X	-	5	X	-	DELAY	15.0	N
6B	6X6	300	5	X	-	6	X	-	-	-	N
7A	6X40	0	2-4-2	X	-	7	X	-	DELAY	15.0	N
8A	6X40	0	2-4-2	X	-	4	X	-	DELAY	3.0	N
8B	6X40	0	2-4-2	X	-	8	X	-	-	-	N

* Disable Delay during Alternate Phasing Operation.

```
# Disable phase call for loop during Alternate Phasing Operation.
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New Installation



SR 3126 (Airport Boulevard)
at
Town Hall Drive

Division 5 Wake County Morrisville

PLAN DATE:	October 2025
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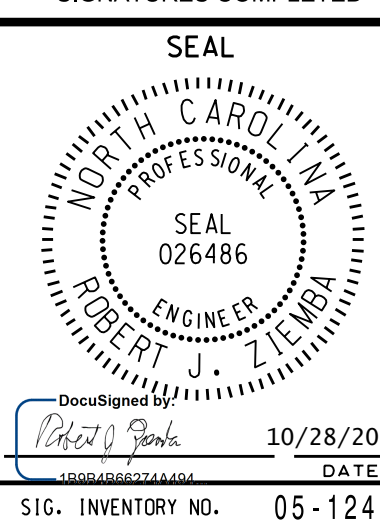
9 PREPARED BY: J.A. Lohr

REVISIONS

0 100 200 300 400 500 600 700 800 900 1000

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DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



SIG. INVENTORY NO. 05-124