

6 Phase Fully Actuated NC 8 (Winston Road) CLS Signal System #:D09-19.Lexington

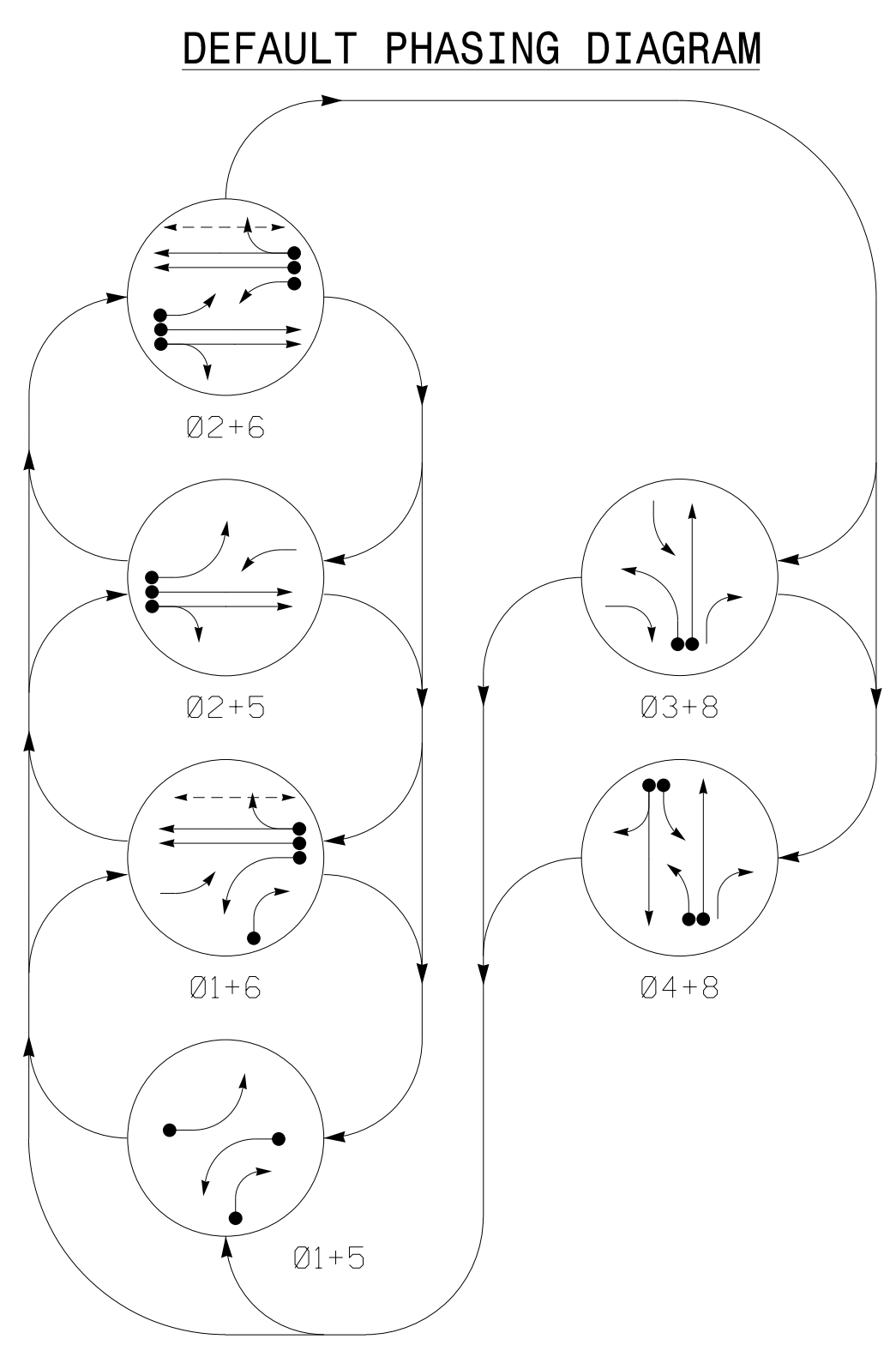
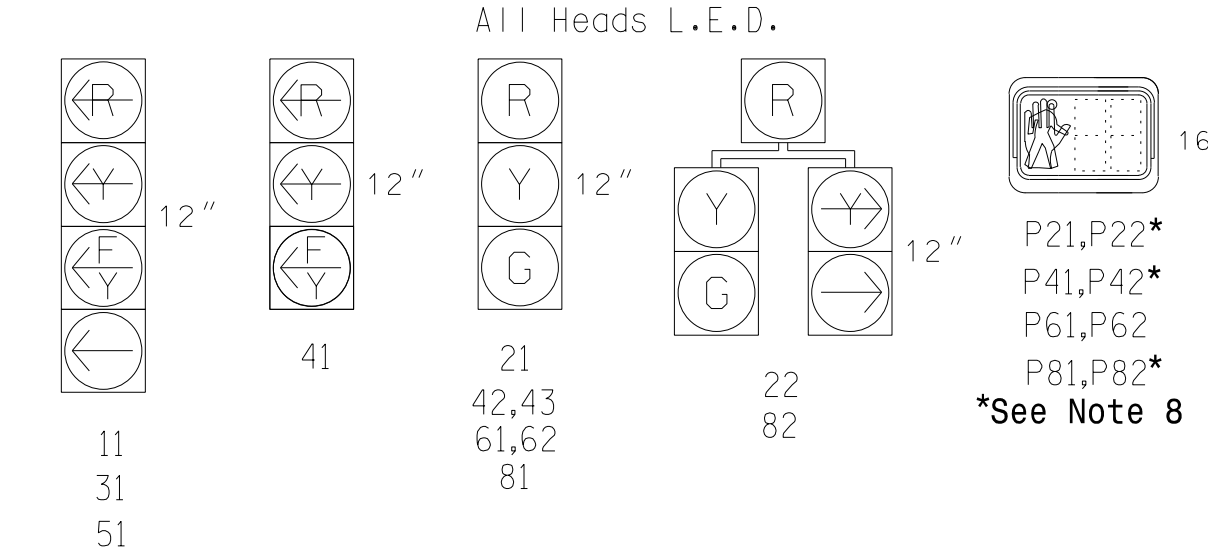
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or Phase 5 may be lagged.
- Phase 3 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Due to sidewalk closures during TMP I, disconnect and bag Pedestrian Heads P21, P22, P41, P42, P81 & P82 during this phase of construction.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Reposition signal head number 31.
- Pavement markings are existing.
- Install new controller in existing cabinet.

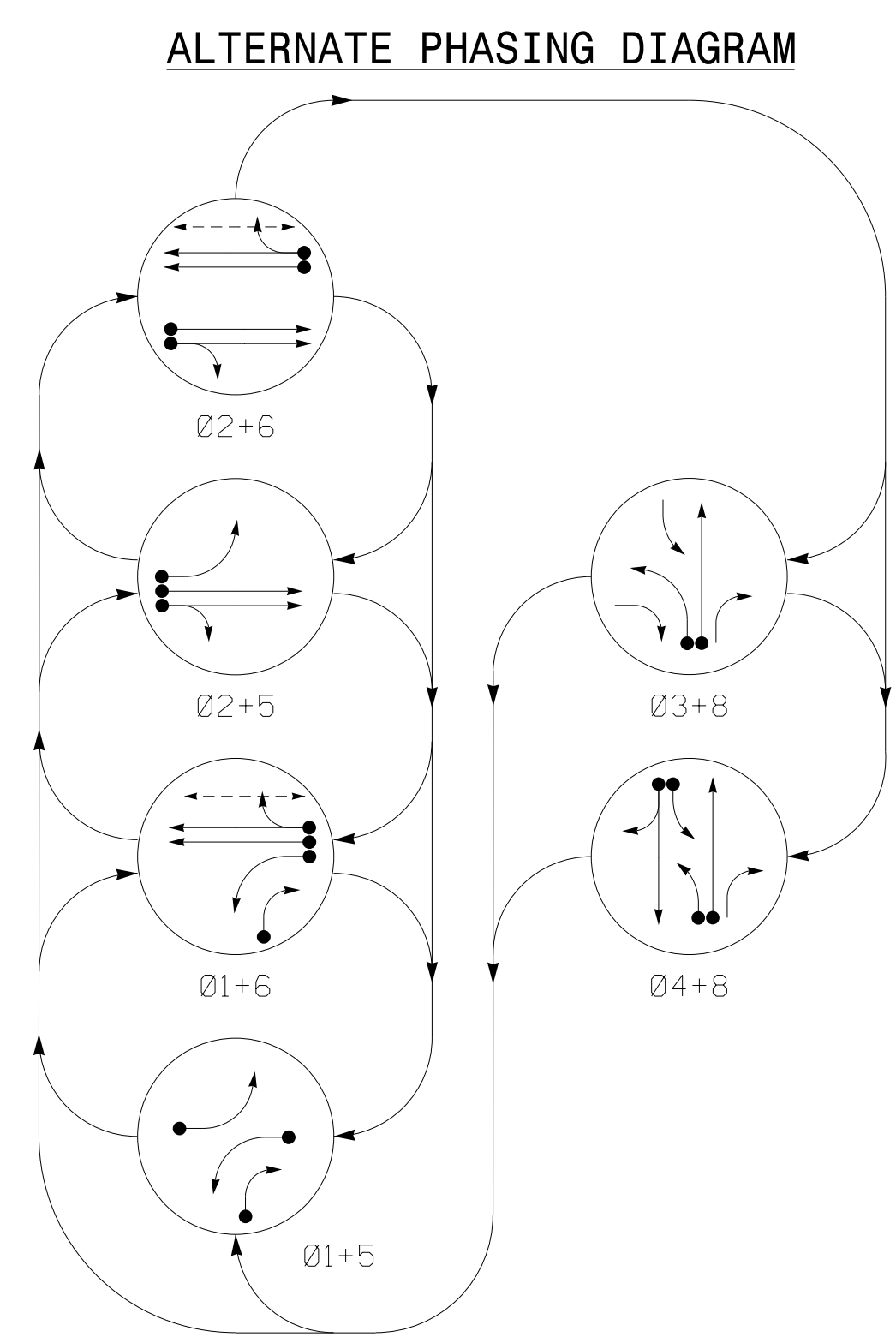
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	
1A	6X40	0	2-4-2	-	1	15.0**	-	X	-	X	-	-
1B	6X40	0	2-4-2	-	1	15.0	-	X	-	X	-	-
2A,2B	6X6	70	4	-	2	-	-	X	-	X	-	-
3A	6X40	0	2-4-2	-	3	15.0	-	X	-	X	-	-
4A	6X40	0	2-4-2	-	4	3.0	-	X	-	X	-	-
4B	6X40	0	2-4-2	-	4	10.0	-	X	-	X	-	-
4C	6X6	0	4	-	4	15.0	-	X	-	X	-	-
5A	6X40	0	2-4-2	-	5	15.0**	-	X	-	X	-	-
6A,6B	6X6	70	4	-	6	-	-	X	-	X	-	-
8A	6X40	0	2-4-2	-	8	-	-	X	-	X	-	-

**Disable delay during alternate phasing operation
Disable phase call for loop(s) during alternate phasing operation

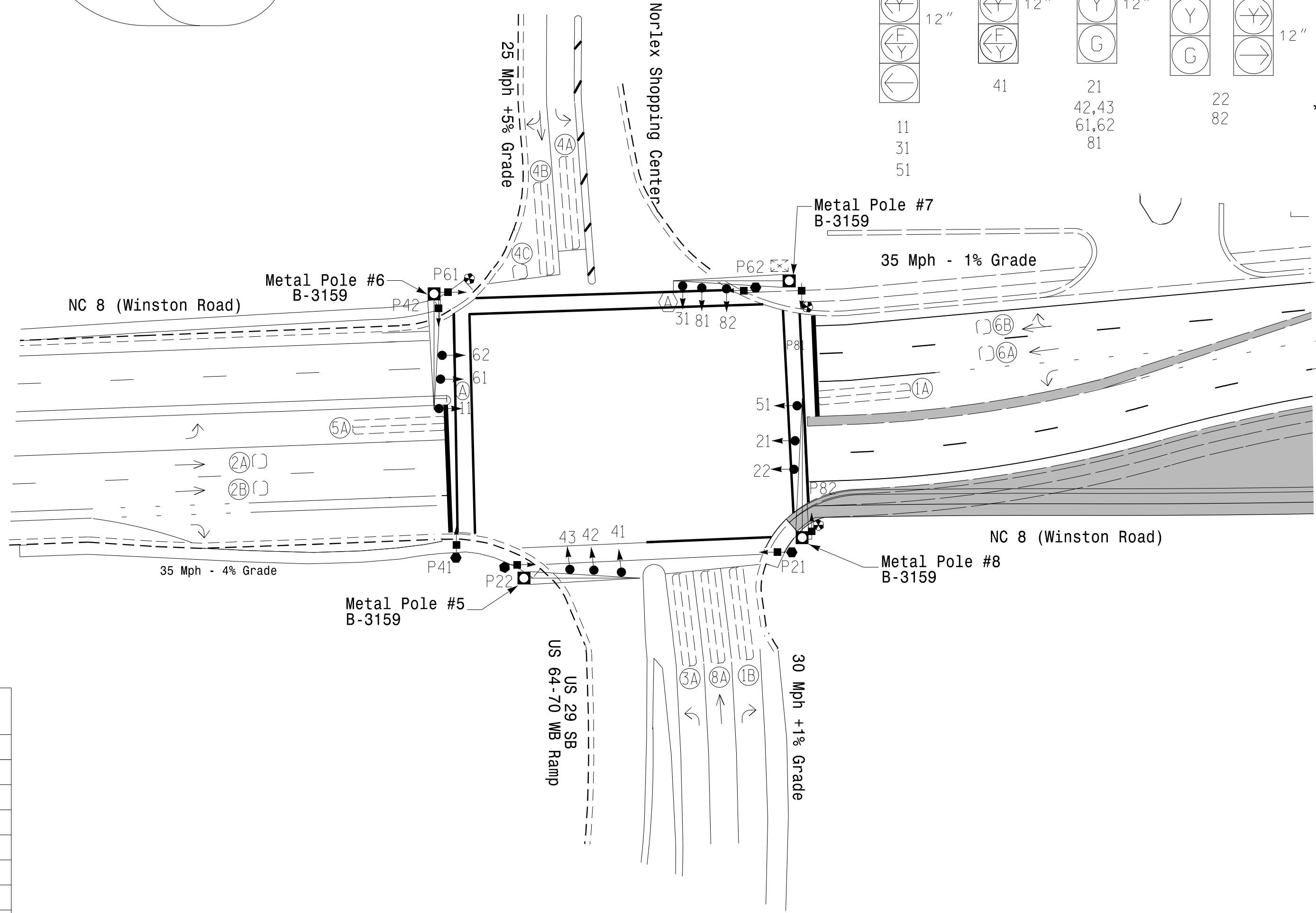
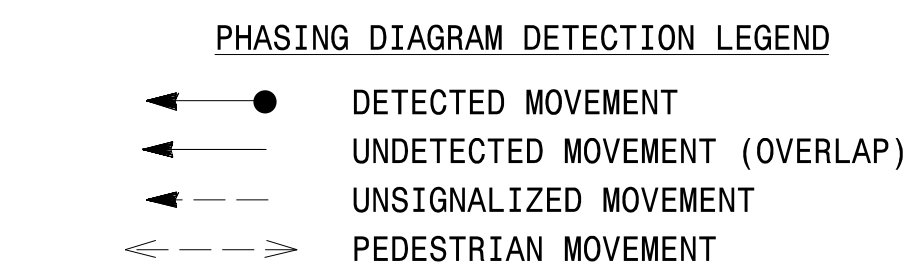
SIGNAL FACE I.D.



SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+8	04+8	FLASH	Y
11	-	-	-	-	-	-	-	-
21	R	R	G	G	R	R	Y	-
22	R	R	G	G	R	R	Y	-
31	R	R	R	R	-	-	-	-
41	R	R	R	R	-	-	-	-
42,43	R	R	R	R	R	G	R	-
51	-	-	-	-	-	-	-	-
61,62	R	G	R	G	R	R	Y	-
81	R	R	R	R	G	G	R	-
82	R	R	R	R	G	G	R	-
P61,P62	DW	W	DW	W	DW	DW	DRK	-

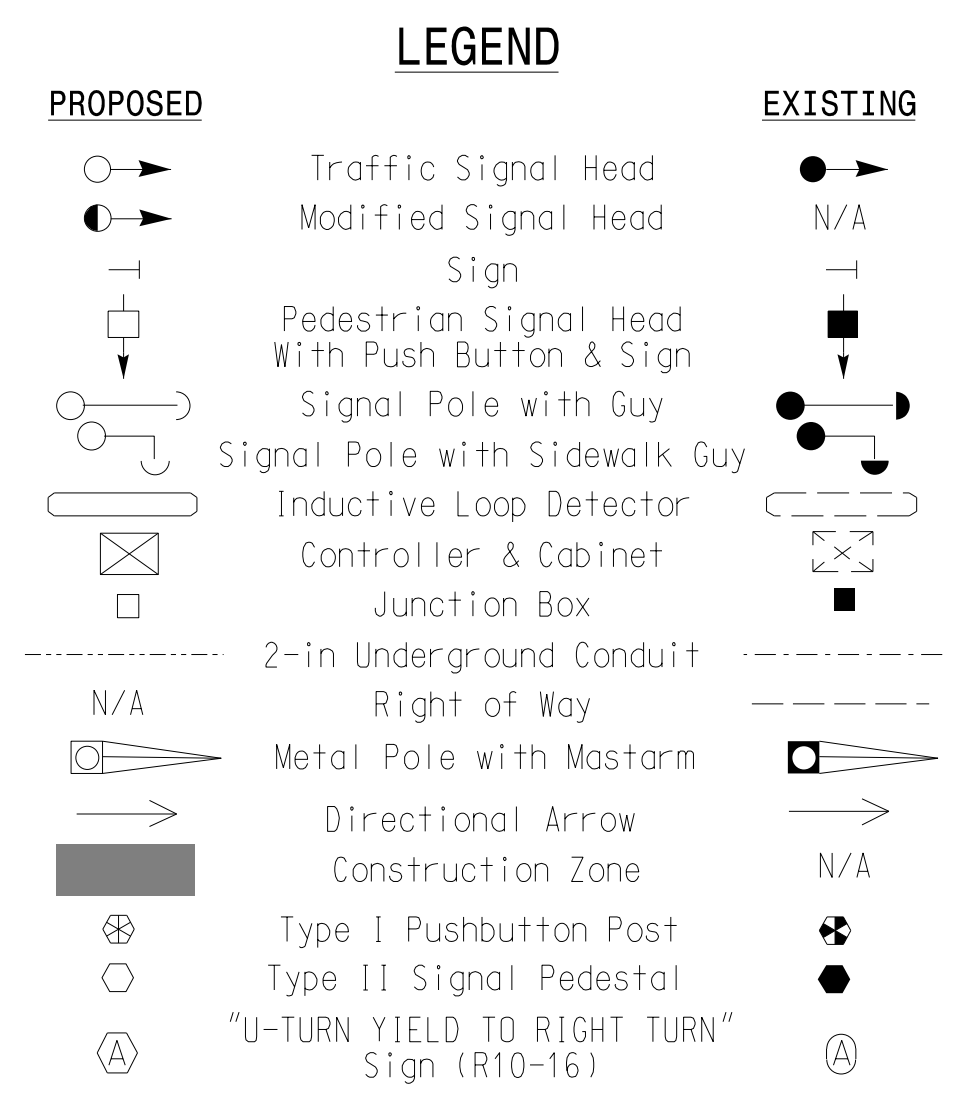


SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+8	04+8	FLASH	Y
11	-	-	-	-	-	-	-	-
21	R	R	G	G	R	R	Y	-
22	R	R	G	G	R	R	Y	-
31	R	R	R	R	-	-	-	-
41	R	R	R	R	-	-	-	-
42,43	R	R	R	R	R	G	R	-
51	-	-	-	-	-	-	-	-
61,62	R	G	R	G	R	R	Y	-
81	R	R	R	R	G	G	R	-
82	R	R	R	R	G	G	R	-
P61,P62	DW	W	DW	W	DW	DW	DRK	-



FEATURE	PHASE							
	1	2	3	4	5	6	8	
Walk *	-	-	-	-	-	13	-	
Ped Clear *	-	-	-	-	-	31	-	
Min Green *	7	10	7	7	7	10	7	
Passage *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	
Max 1 *	20	50	20	25	15	50	25	
Yellow Change	3.0	4.1	3.0	3.5	3.0	4.1	3.5	
Red Clear	3.3	3.0	3.7	3.9	2.9	3.0	3.9	
Added Initial *	-	-	-	-	-	-	-	
Maximum Initial *	-	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	-	
Advance Walk	-	-	-	-	-	6	-	
Non Lock Detector	X	-	X	X	X	-	X	
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	
Dual Entry	-	-	-	X	-	-	X	

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



Signal Upgrade - Temporary Design 1(TMP Phase I) DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TRANSYSTEMS
1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: F-0453

Prepared for the Offices of:
NC 8 (Winston Road) at US 29 SB/US 64-70 WB Ramp

Division 9 Davidson County Lexington
PLAN DATE: May 2024 REVIEWED BY: G.G. Murr, Jr.
PREPARED BY: B.E. Wynn REVIEWED BY:

SCALE: 1"=40'

DocuSigned by: Gene G. Murr, Jr.
14458681CDD458

SIG. INVENTORY NO. 09-0735T1