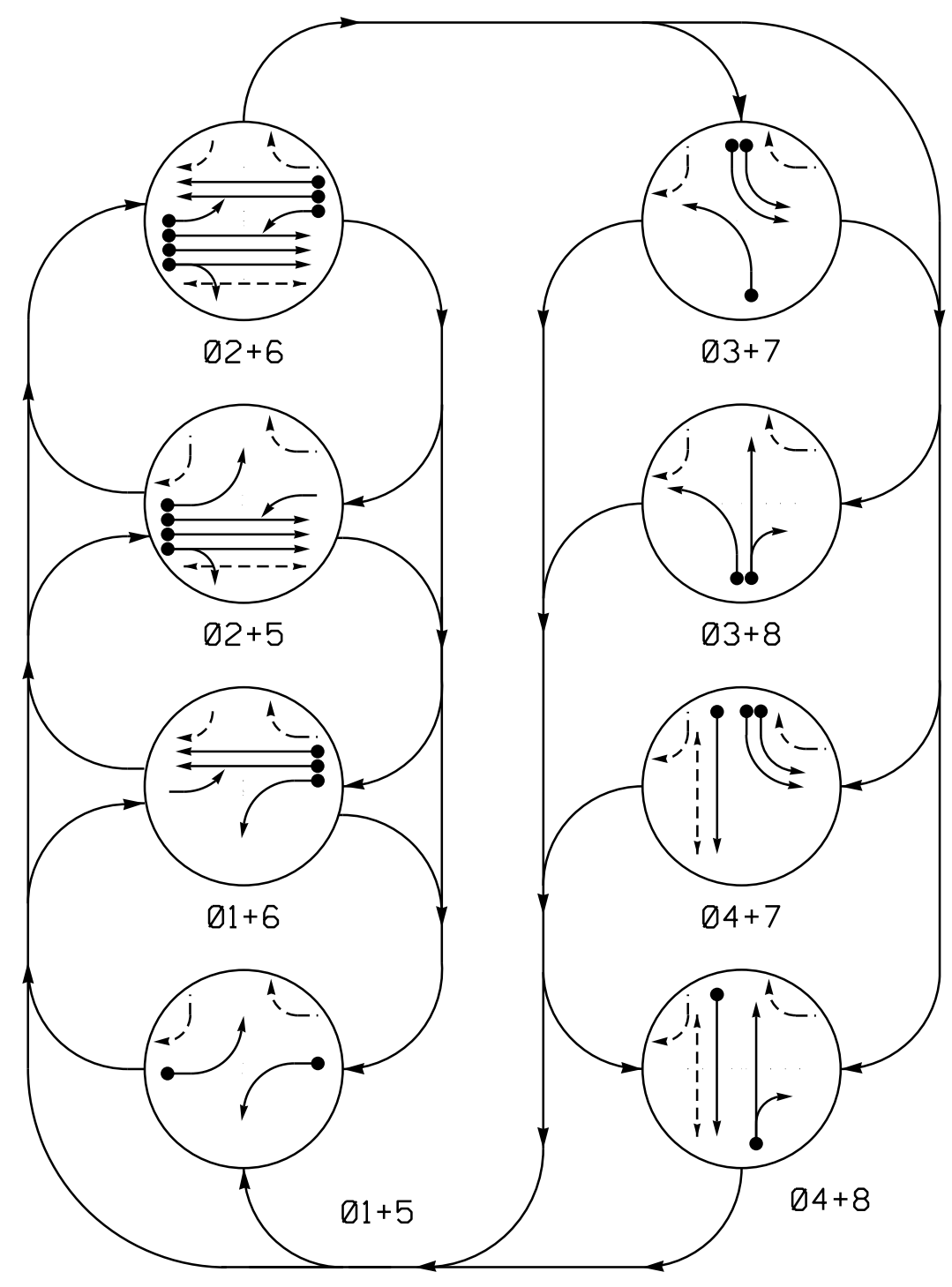


**DEFAULT PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

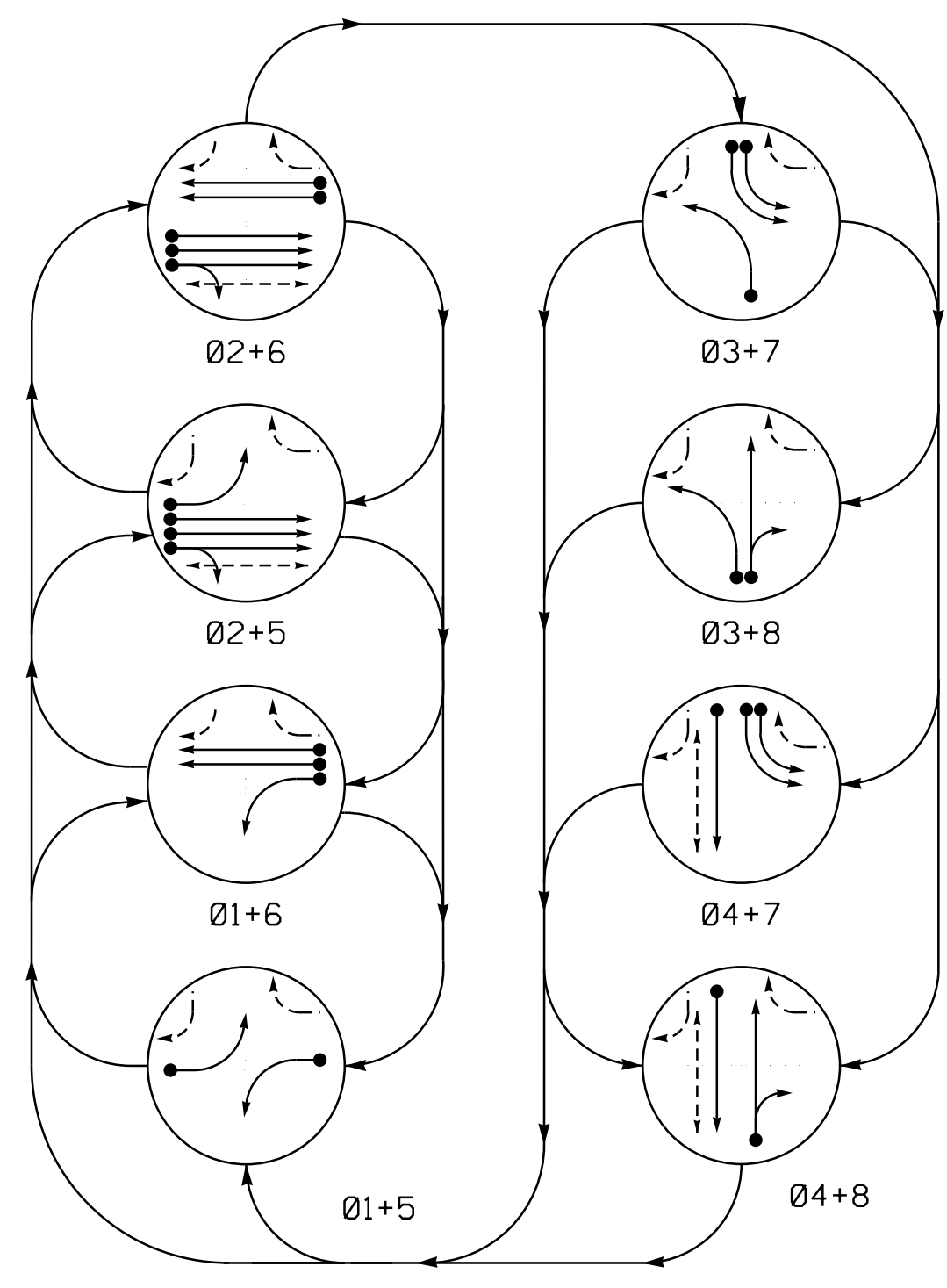
**DEFAULT PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE								
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	FLASH
11	←	←	←	←	←	←	←	←	Y
21,22,23	R	R	G	G	R	R	R	R	Y
31	←	←	←	←	←	←	←	←	Y
41,42	R	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←	Y
61,62	R	G	R	G	R	R	R	R	Y
71,72	←	←	←	←	←	←	←	←	Y
81,82	R	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

**8 Phase Fully Actuated (Wilmington Signal System)**

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018.
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. Reposition existing signal heads numbered 41, 42 and 81.
6. Set all detector units to presence mode.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program the pedestrian heads to countdown the flashing "DON'T WALK" time only.
9. The Division Traffic Engineer will determine the hours of use for each phasing plan.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
11. Relabel existing loops 8A as 3A and 1B as 8A.
12. Incorporate Microwave Detection system for vehicle detection.
13. Provide the Engineer with the Manufacturer's approved Microwave Detection locations and mounting heights to obtain detection zones as shown.
14. Signal system data:  
Controller Asset #0752.
15. Refer to pavement marking plans for stop bar and crosswalk locations.
16. Type II pedestals shall be black powder-coated.

**ALTERNATE PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

**ALTERNATE PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE								
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	FLASH
11	←	←	←	←	←	←	←	←	Y
21,22,23	R	R	G	G	R	R	R	R	Y
31	←	←	←	←	←	←	←	←	Y
41,42	R	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←	Y
61,62	R	G	R	G	R	R	R	R	Y
71,72	←	←	←	←	←	←	←	←	Y
81,82	R	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

Signal Upgrade - Final Design  
Sheet 2 of 2

	US 17 (Military Cutoff Road) at Drysedale Drive		
	Division 3 New Hanover County Wilmington	PREPARED BY: A. Andrews RKA PROJ. NO.: 19258 (040)	
750 N. Greenfield Pkwy, Garner, NC 27529 SCALE: 0 40 1" = 40'	PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton	REVISIONS:	DATE: 11/08/2021 DATE:
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM J. HAMILTON 11/08/2021 SIG. INVENTORY NO. 03-0752



11/8/2021  
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 User: jhamon