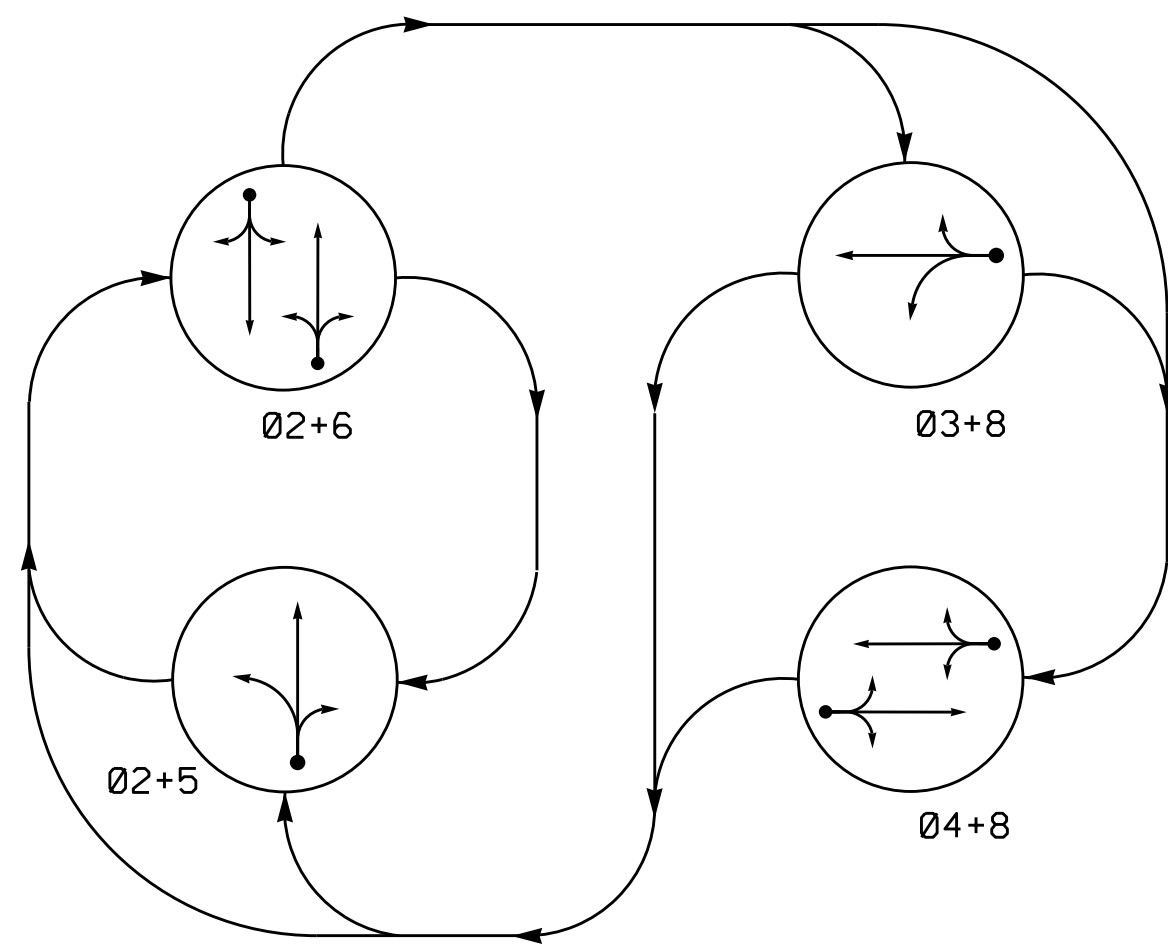


PHASING DIAGRAM



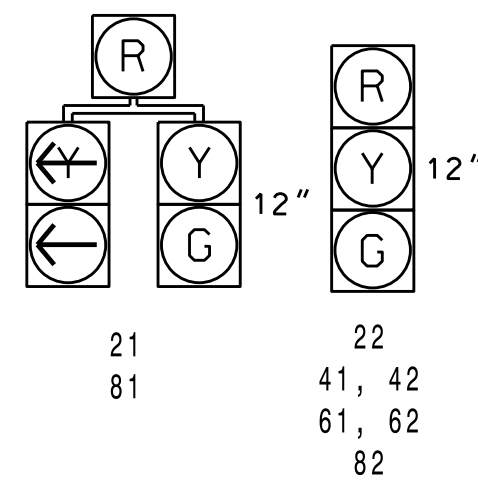
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ↔ PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE				
	02+5	02+6	03+8	04+8	FLASH
21	G	R	R	Y	
22	G	R	R	Y	
41, 42	R	R	G	R	
61, 62	R	G	R	Y	
81	R	R	G	R	
82	R	R	G	R	

SIGNAL FACE I.D.

All Heads L.E.D.

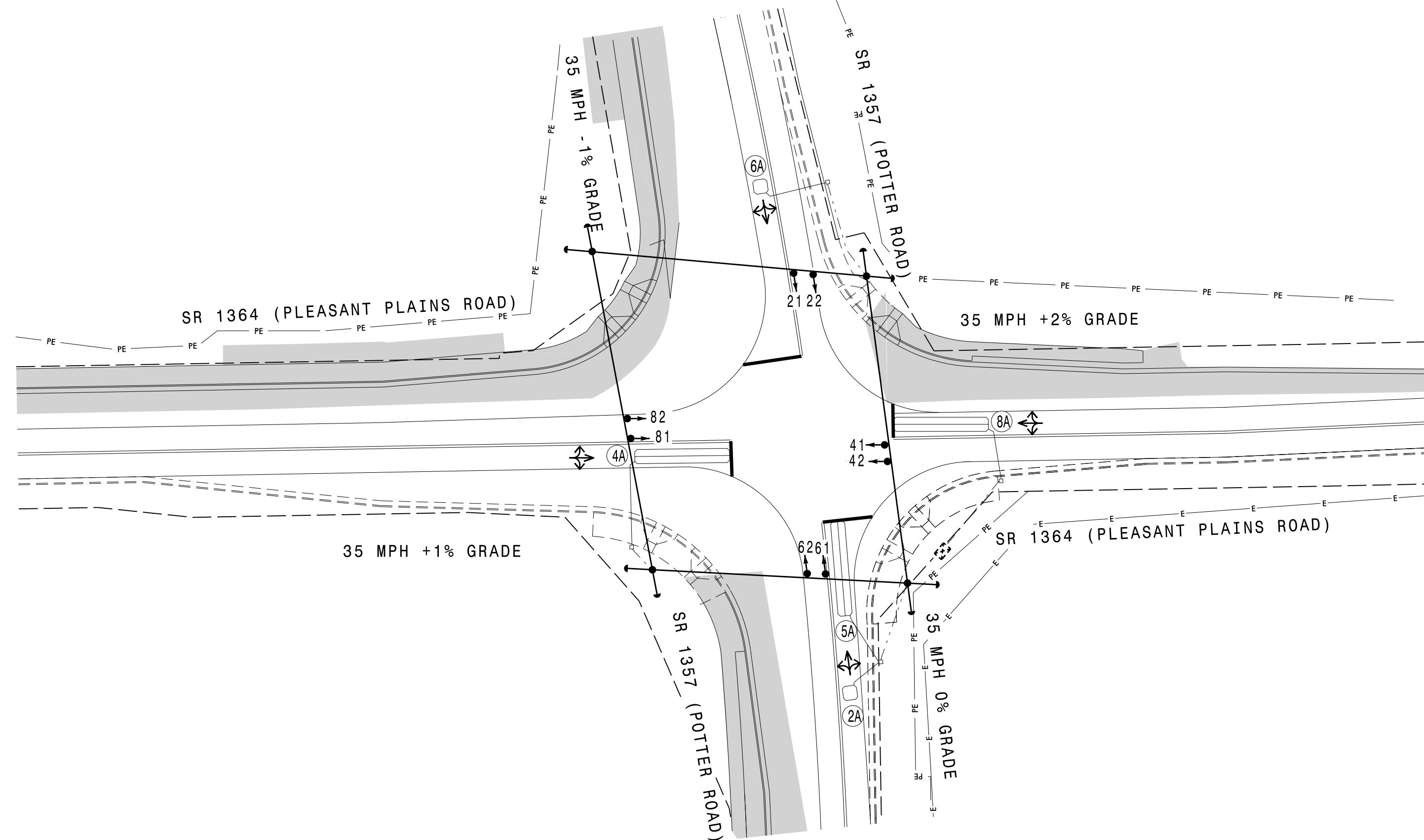


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A	6X6	70	3	X	2	-	-	X	-	X	-
4A	6X40	0	2-4-2	X	4	3.0	-	X	-	X	-
5A	6X40	0	2-4-2	X	5	15.0	-	X	-	X	-
6A	6X6	70	4	X	6	-	-	X	-	X	-
8A	6X40	0	2-4-2	X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

2 Phase Fully Actuated (Isolated)

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.
- Enable Backup Prevent to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- Reposition all existing signal heads.
- Set all detector units to presence mode.



MAXTIME TIMING CHART

FEATURE	PHASE					
	2	3	4	5	6	8
Walk *	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-
Min Green	10	7	7	7	10	7
Passage *	3.0	2.0	2.0	2.0	3.0	2.0
Max 1 *	70	15	30	15	70	30
Yellow Change	3.8	3.0	3.8	3.0	3.9	3.7
Red Clear	1.0	1.4	1.0	1.6	1.0	1.0
Red Revert	5.0	2.0	2.0	2.0	2.0	2.0
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Advance Walk	-	-	-	-	-	-
Non Lock Detector	-	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 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.

LEGEND

- | | | | |
|--|--|--|-----|
| | Traffic Signal Head | | N/A |
| | Modified Signal Head | | N/A |
| | Sign | | N/A |
| | Pedestrian Signal Head With Push Button & Sign | | N/A |
| | Signal Pole with Guy | | N/A |
| | Inductive Loop Detector | | N/A |
| | Controller & Cabinet | | N/A |
| | Junction Box | | N/A |
| | 2-in Underground Conduit | | N/A |
| | Right of Way | | N/A |
| | Permanent Easement | | N/A |
| | Temporary Easement | | N/A |
| | Directional Arrow | | N/A |
| | Construction Zone | | N/A |

This plan supersedes the plan signed and sealed on 8/11/23.

Signal Upgrade - Temporary Design 2
TMP Phase 2

	SR 1357 (Potter Road) AT SR 1364 (Pleasant Plains Road)		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RICHARD N. ZINSER 043914
	Division 10 Union County Stallings	PLAN DATE: December 2023 REVIEWED BY: R.N. Zinser	
750 N. Greenfield Pkwy, Garner, NC 27529	SCALE 0 40' 1"=40'	REVISIONS INIT. DATE	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED DATE: 12/05/2023 SIGNED: R. Nicholas Zinser SIG. INVENTORY NO. 10-0696T2