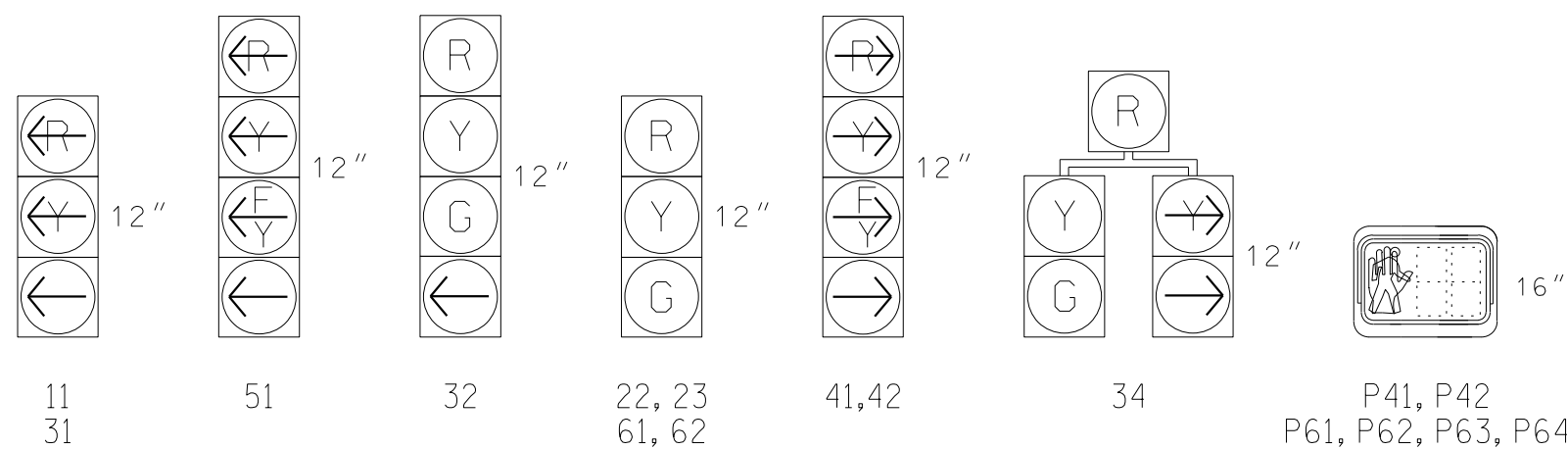


	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE						
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	F L A S H
11	←	←	→	→	→	→	←
22, 23	R	R	G	G	R	R	R
31	→	→	→	→	←	→	R
32	R	R	R	R	G	R	R
34	R	R	R	R	G	R	R
41, 42	←	→	←	→	→	→	→
51	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	R	R
P41, P42	DW	DW	DW	DW	DW	W	DRK
P61, P62 P63, P64	DW	W	DW	W	DW	DW	DRK

All Heads L.E.D.



DETECTOR					PROGRAMMING							
L00P	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	*	0	*	X	1	-	-	X	-	X	-	*
1B	*	0	*	X	1	15.0	-	X	-	X	-	*
2A	*	70	*	X	2	-	-	X	-	X	-	*
3A	*	0	*	X	3	3.0	-	X	-	X	-	*
3B	*	0	*	X	3	-	-	X	-	X	-	*
4A	*	0	*	-	4	5.0	-	X	-	X	-	*
5A	*	0	*	X	5	15.0	-	X	-	X	-	*
					2	-	-	X	-	X	-	*
6A	*	70	*	X	6	-	-	X	-	X	-	*
6B	*	70	*	X	6	-	-	X	-	X	-	*

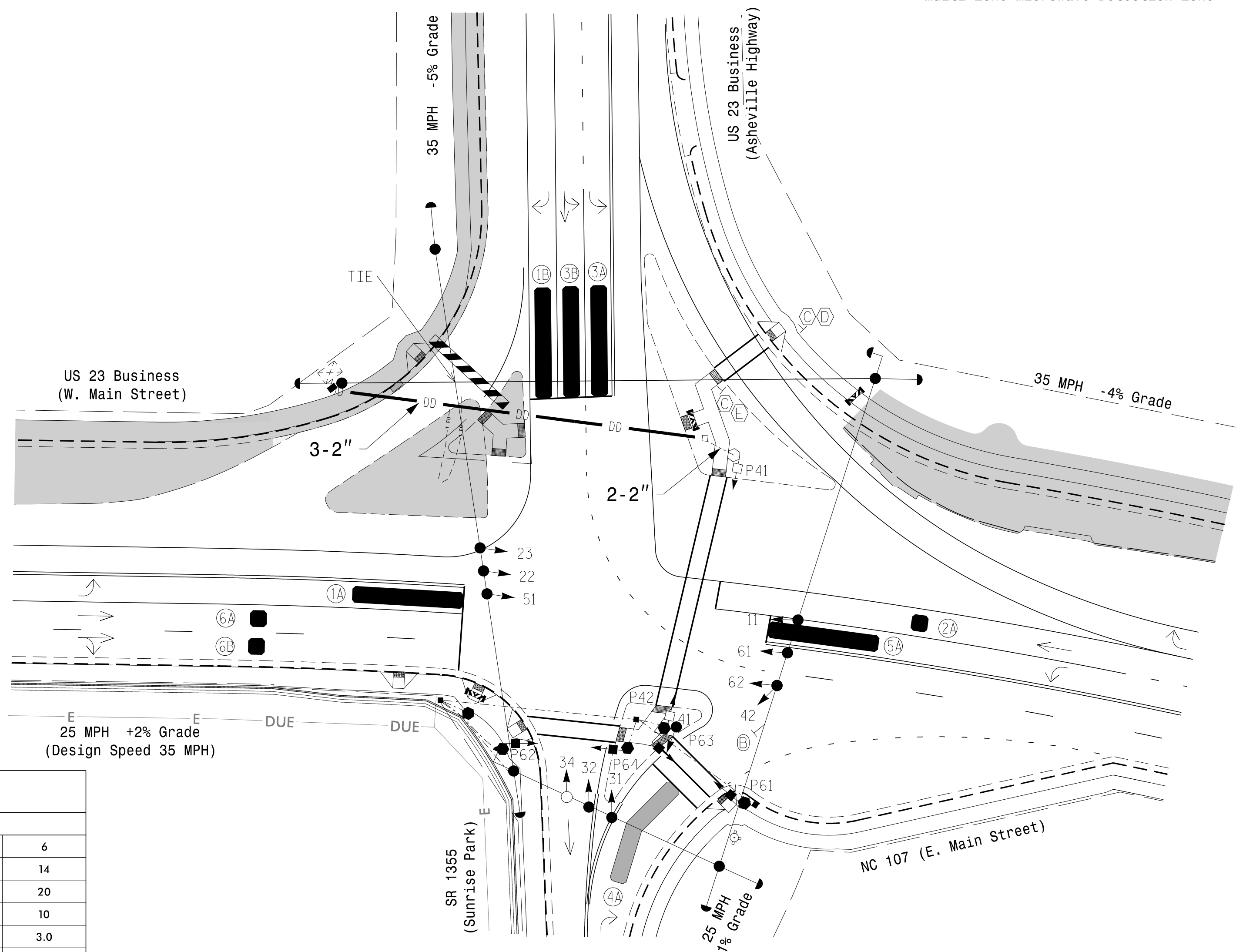
* Multi-Zone Microwave Detection Zone

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. The order of phase 3 and 4 may be reversed.
5. Reposition existing signal heads numbered 22, 31 and 32.
6. Bag and disconnect pedestrian head and pushbutton P31.
7. Unbag and reconnect signal head 23. Reposition as necessary.
8. Set all detector units to presence mode.
9. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
11. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head	
	With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	Oversized Junction Box	
	2-in Undergrnd Conduit	
	Directional Drill	N/A
N/A	Right of Way	
	Directional Arrow	
N/A	Curb Ramp	
N/A	Truncated Domes	
	Non-Intrusive Detection Zone	
	Construction Zone	N/A
	Type I Pushbutton Post	
	Type II Signal Pedestal	
N/A	Work Zone Traffic Barricade	
N/A	Construction Easement	
N/A	Perm. Drainage/Utility Easement	
	"ND TURN ON RED" Sign (R10-11a)	
	Pedestrian Crossing Sign (W11-2)	
	Left Downward Diagonal Arrow	
	Plaque (W16-7pL)	
	Right Downward Diagonal Arrow	
	Plaque (W16-7pR)	

FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	–	–	–	13	–	14
Ped Clear	–	–	–	11	–	20
Min Green *	7	10	7	7	7	10
Passage *	2.0	3.0	2.0	2.0	2.0	3.0
Max 1 *	25	85	20	25	25	85
Yellow Change	3.0	4.1	4.2	3.0	3.0	4.1
Red Clear	2.1	2.2	2.3	1.9	3.3	2.2
Added Initial *	–	–	–	–	–	–
Maximum Initial *	–	–	–	–	–	–
Time Before Reduction *	–	–	–	–	–	–
Time To Reduce *	–	–	–	–	–	–
Minimum Gap	–	–	–	–	–	–
Advance Walk	–	–	–	6	–	7
Non Lock Detector	X	–	X	X	X	–
Vehicle Recall	–	MIN RECALL	–	–	–	MIN RECALL
Dual Entry	–	–	–	–	–	–

* 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.

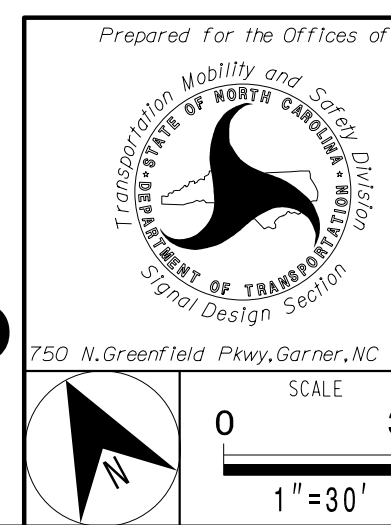


Signal Upgrade
Temporary Design 5 - TMP Ph2, S2

Plans Prepared By:



DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4261



US 23 Bus./NC 107 (Main Street)
at
US 23 Bus. (Asheville Hwy)/
SR 1355 (Sunrise Park)

Division 14 Jackson County Sylva

PLAN DATE:	August 2025	REVIEWED BY:	ZM Esposito
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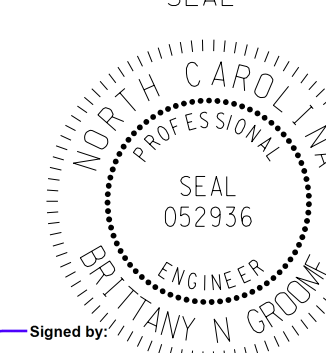
PREPARED BY: DJ White	REVIEWED BY: BN Groome
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REVISIONS	INIT.	DATE
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DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAI



Signed by: ANY N GRC

Brittany Groome 8/26/2025

1E09340E1094484... DATE

SIG. INVENTORY NO. 14-0397T