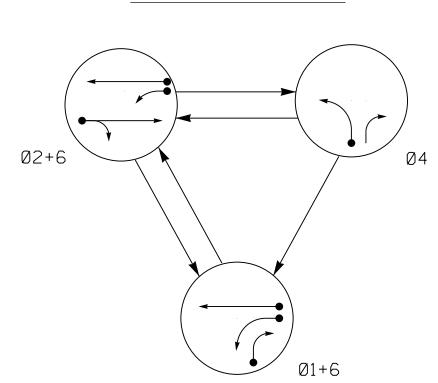
PROJECT REFERENCE NO. U-5783

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

→ DETECTED MOVEMENT

 \leftarrow - > PEDESTRIAN MOVEMENT

TABLE OF	OPE	ERA [®]	TIO	N			
	PHASE						
SIGNAL FACE	Ø 1 + 6	ØN+6	Ø 4	止」位のエ			
21,22	R	G	R	Y			
41,42	₩	#	↓	#			
43		R	1	R			
61	7/	G	R	Y			
62,63	9	G	R	Y			

SIGNAL FACE I.D.									
All Heads L.E.D.									
R Y G 12"	12"	R Y 12"	R 12'						
61	41,42	21,22 62,63	43						

MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1 A	ملہ	0 *	ملہ	<u>با</u> د	1	15.0	<u>-</u>	Χ	-	Χ	_	*
	*		*	× ×	*	6	<u>-</u>	<u>-</u>	Χ	_	Χ	_
1B	*	0	*	*	1	15.0	_	Χ	-	Χ	-	*
2·A	*	7:0	*	*	2	_	_	Χ	-	Χ	-	*
4·A	*	0	*	*	4	_	_	Χ	_	Χ	_	*
6·A	*	7:0	*	*	6	<u>-</u>	<u>-</u>	Χ	-	Χ	_	*

★ Multi-Zone Microwave Detection Area

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.

NOTES

3 Phase

Fully Actuated Isolated

- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 may be lagged.
- 4 Set all detector units to presence mode.
- 5 Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. All proposed permanent signal heads, pedestals, posts and bases shall be hunter green in color.
- 7. See Roadway Pavement Marking Plans for pavement marking locations.

LEGEND

Traffic Signal Head

Modified Signal Head

Sign Pedestrian Signal Head With Push Button & Sign

Signal Pole with Guy

Signal Pole with Sidewalk Guy

Inductive Loop Detector

Controller & Cabinet

Junction Box 2-in Underground Conduit

> Right of Way Directional Arrow Construction Zone

Construction Zone Drums

Road Closure Barricades

Non-Intrusive Detection Zone

EXISTING

-

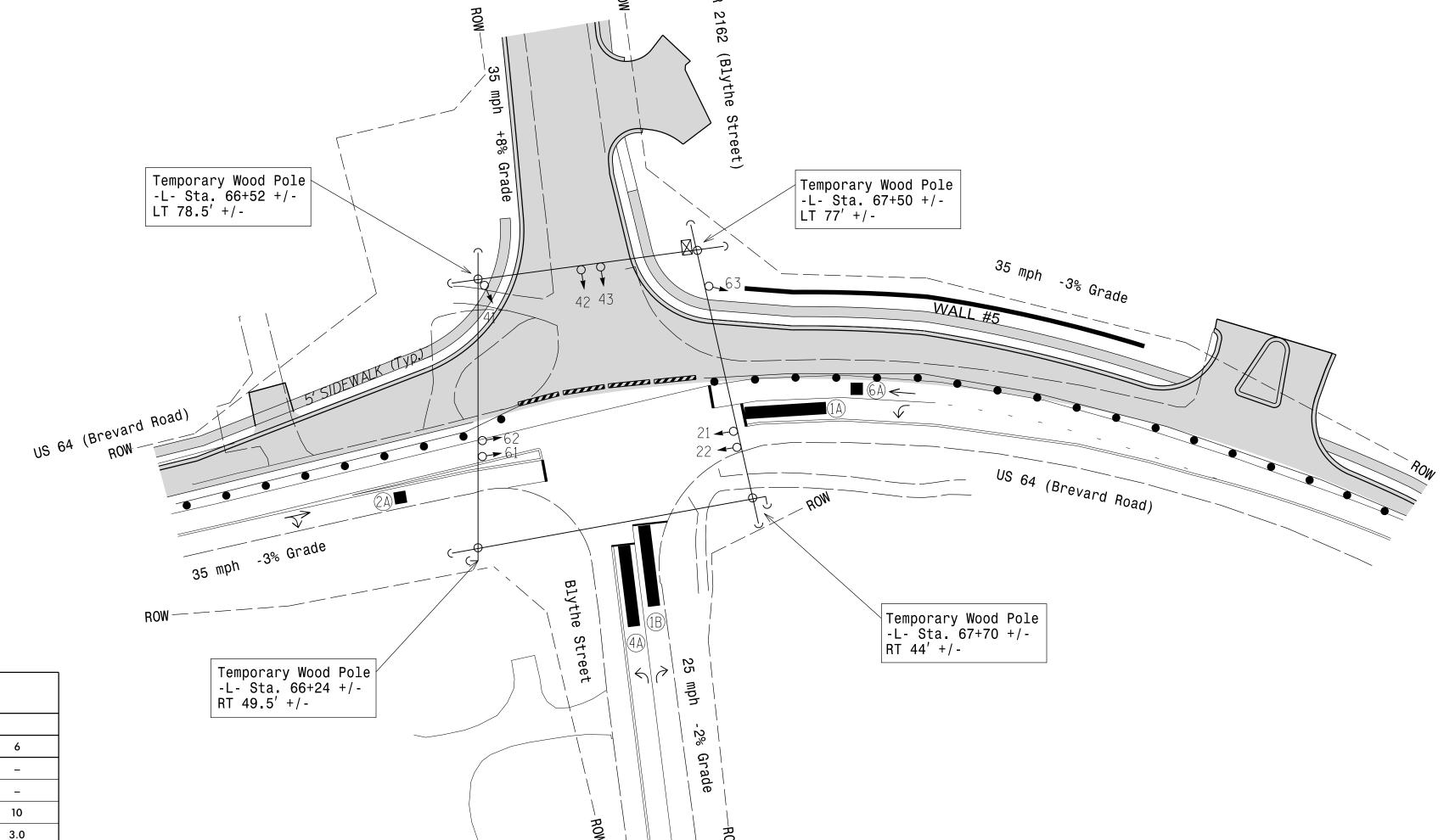
N/A

PROPOSED

 \bigcirc

N/A

8. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

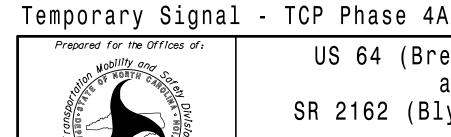


MAXTIME TIMING CHART								
FEATURE	PHASE							
FEATURE	1	2	4	6				
Walk *	_	-	_	_				
Ped Clear	_	_	_	_				
Min Green*	7	10	7	10				
Passage *	2.0	3.0	2.0	3.0				
Max 1 *	20	60	30	60				
Yellow Change	3.0	4.1	3.0	4.1				
Red Clear	2.8	1.4	2.3	1.7				
Added Initial *	_	_	_	_				
Maximum Initial *	_	_	_	_				
Time Before Reduction *	_	_	_	_				
Time To Reduce *	_	-	_	_				
Minimum Gap	_	-	_	_				
Advance Walk	_	_	_	_				
Non Lock Detector	Х	_	Х	_				
Vehicle Recall	_	MIN RECALL	-	MIN RECALL				
Dual Entry	_	_	-	_				

* 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.

Mattern & Craig ENGINEERS SURVEYORS

12 BROAD STREET ASHEVILLE, NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154



US 64 (Brevard Road) SR 2162 (Blythe Street)

Division 14 Henderson County Hendersonville PLAN DATE: September 2023 REVIEWED BY: JB Voso KG Eudy

SEAL 022599 INIT. DATE

SIG. INVENTORY NO. |4-0002]

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL SIGNATURES COMPLETED

750 N.Greenfield Pkwy,Garner,NC 27529 PREPARED BY: REVISIONS 1"=40'