

PROJECT REFERENCE NO.	SHEET NO.
R-5857	Sig. 8.0

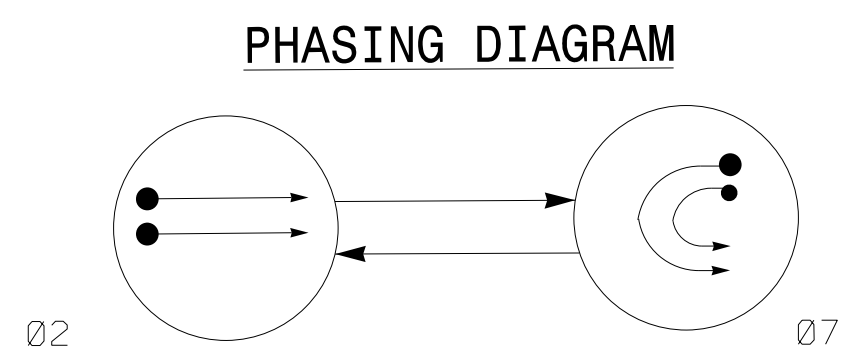









TABLE OF OPERATION			
SIGNAL FACE	PHASE		
	Ø 2	Ø 7	F L A S H
21,22	G	R	R
71,72			

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.

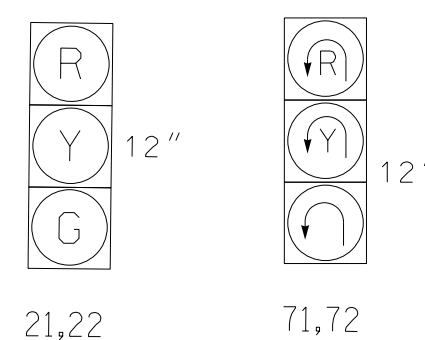
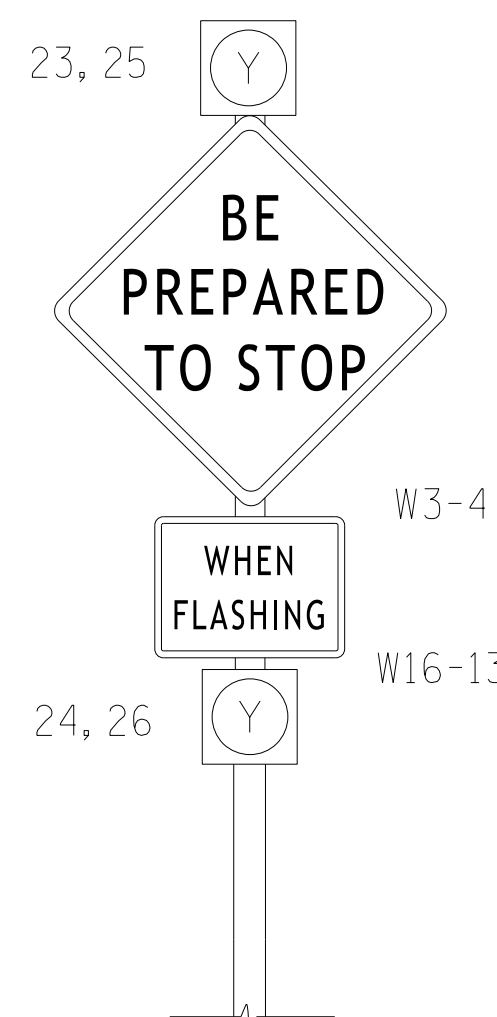


Figure 1

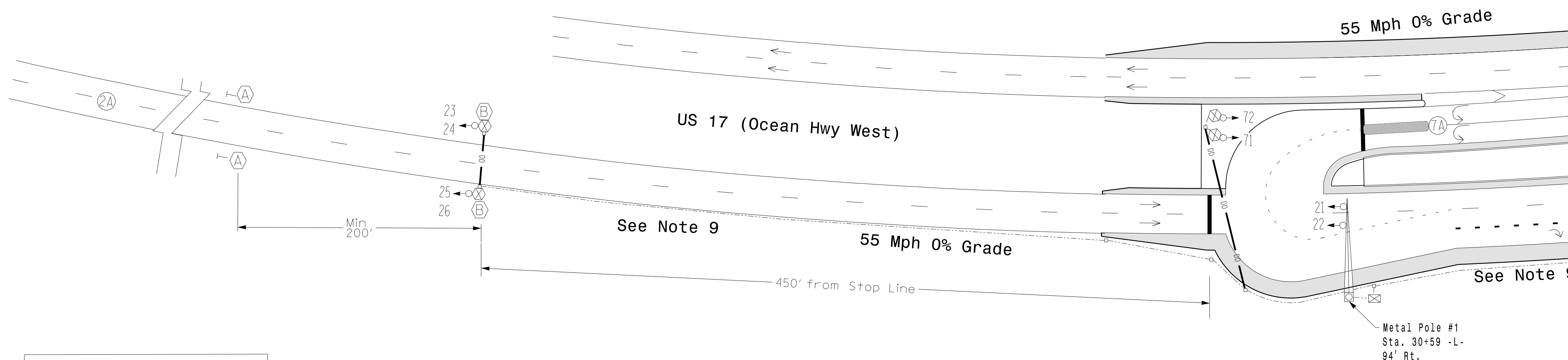


See notes 6 and 7

MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR					PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
7A	*	0	*	X	7	-	-	X	-	X	-	*

* Multizone microwave detection zone.








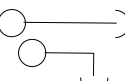
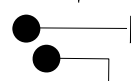











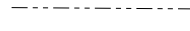


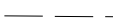



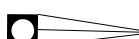




TABLE OF OPERATION		
SIGNAL FACE	INTERVAL	
	1	2
23,25	ON	OFF
24,26	OFF	ON





MAXTIME TIMING CHART		
FEATURE	PHASE	
	2	7
Walk *	—	—
Ped Clear *	—	—
Min Green *	14	7
Passage *	2.0	2.0
Max 1 *	100	25
Yellow Change	5.2	3.0
Red Clear	1.2	4.6
Added Initial *	—	—
Maximum Initial *	—	—
Time Before Reduction *	—	—
Time To Reduce *	—	—
Minimum Gap	—	—
Advance Walk	—	—
Pre-Clearance	3.0	—
Non Lock Detector	—	X
Vehicle 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.


ADVANCED MICROWAVE EXTENDED RANGE DETECTION			
FUNCTION	Sensor 1 2A		
Channel	1		
Phase	2		
Direction of Travel	NB		
Type	PRIORITY		
Level	1	2	QUEUE
Discovery Zone (ft)	>=750	<750	N/A
Range (ft)	100-900	100-600	100-150
Enable Speed	Y	Y	Y
Speed Range (mph)	35-100	35-100	1-35
Enable Estimated Time of Arrival	Y	Y	N
Estimated Time of Arrival (sec)	2.5-10.0	2.5-6.5	-

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		
	Type III Signal Pedestal		
	Detection zone		
	Controller & Cabinet		
	Junction Box		
N/A	Curb Ramp		
	2-in Underground Conduit		
	Directional Drill		N/A
N/A	Right of Way		
	Directional Arrow		
	Metal Pole with Mastarm		
	Signal Ahead Sign (W3-3)		
	"BE PREPARED TO STOP" Sign (W3-4) w/ "WHEN FLASHING" Plaque (W16-3) (See Figure 1)		

New Installation

 <p>1 Glenwood Avenue Raleigh, NC 27603 Tel: 919.789.9977 Fax: 919.789.9591 License: F-0453</p>	<p style="text-align: center;">Prepared For the Offices of:</p>  <p style="text-align: center;">750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p style="text-align: center; font-size: 1.2em;">US 17 NB (Ocean Highway W) at U-Turn South of US 17 Bus/Old Shallotte Rd</p> <p>Division 3 Brunswick County Shallotte</p> <p>PLAN DATE: <u>March 2025</u> REVIEWED BY: <u>G. G. Murr, Jr.</u></p> <p>PREPARED BY: <u>Nadia Degbotse</u> REVIEWED BY:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">REVISIONS</th> <th style="width: 15%;">INIT.</th> <th style="width: 15%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	INIT.	DATE																														
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Seal: 

Signed by: Gene G. Murr, Jr. 3/31/2025

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