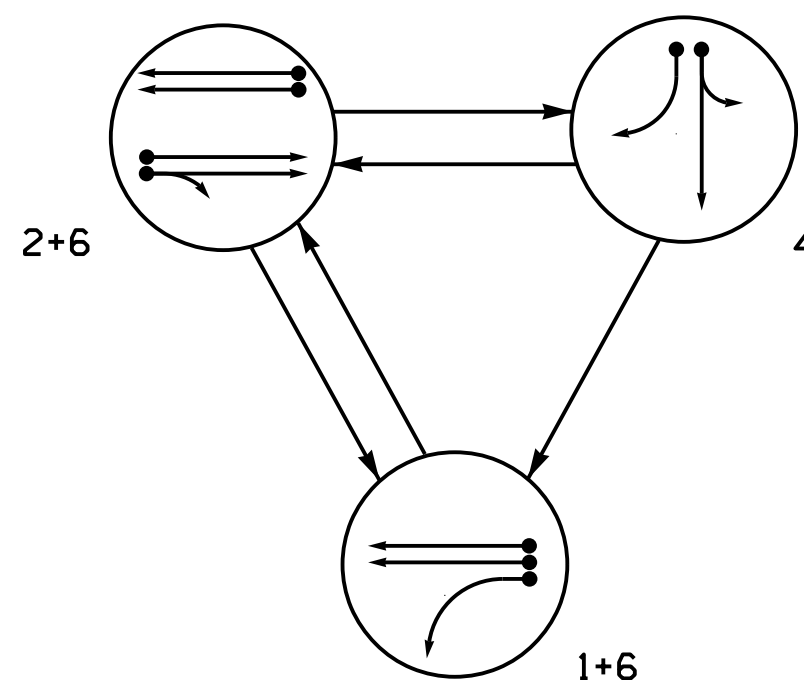
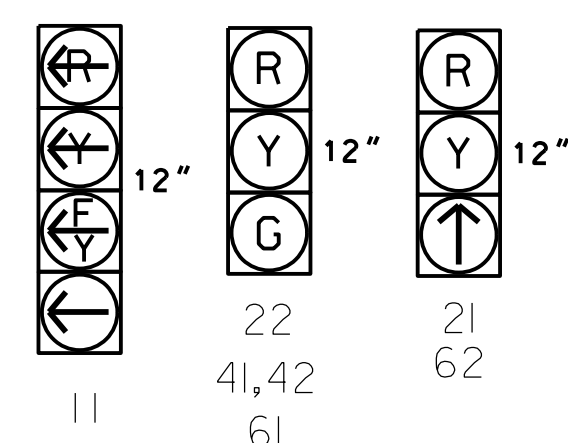


SIGNAL FACE I.D.

All Heads L.E.D.



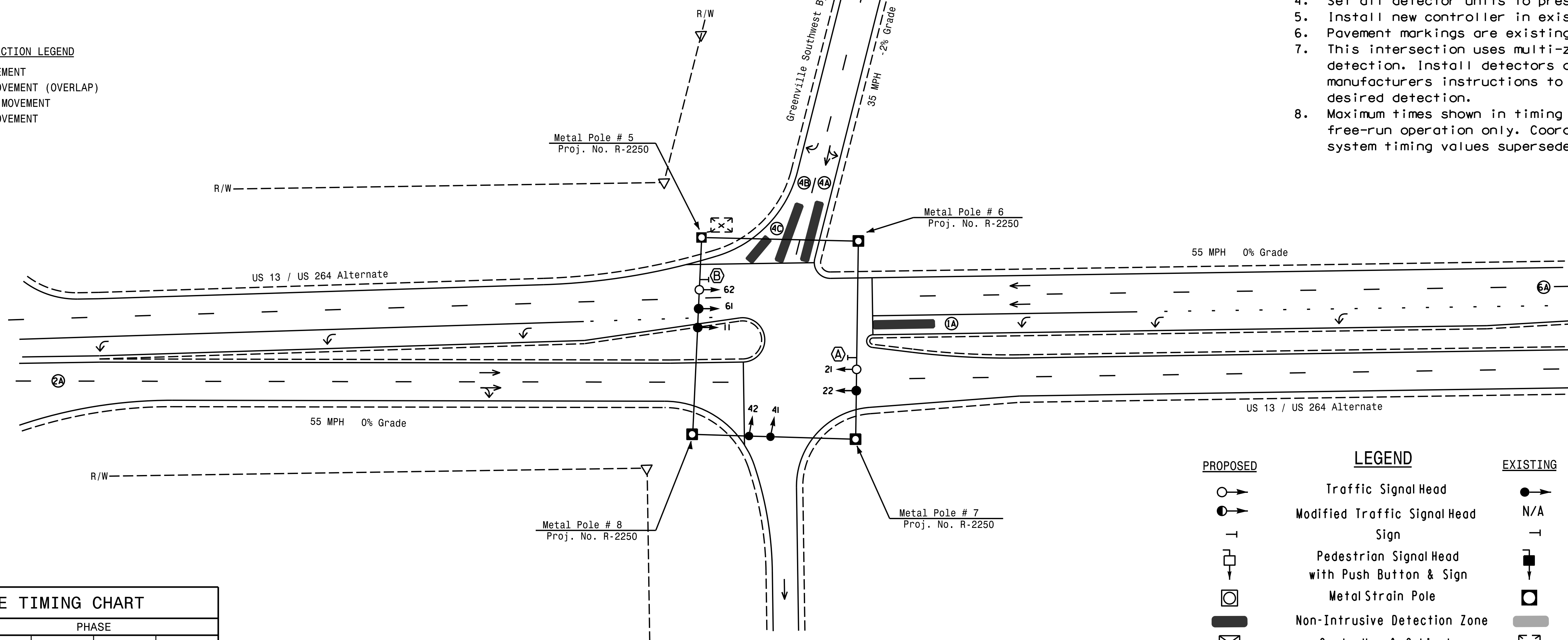
ALTERNATE TABLE OF OPERATION				
SIGNAL FACE	PHASE			
	1 + 5	2 + 6	4	FLIGHT
11	—	R	R	R
21	R	↑	R	R
22	R	G	R	R
41, 42	R	R	G	R
61	G	G	R	R
62	↑	↑	R	R



3 Phase
Fully Actuated
US 264A/US 13 Signal System

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 may be lagged.
4. Set all detector units to presence mode.
5. Install new controller in existing cabinet.
6. Pavement markings are existing.
7. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturers instructions to achieve the desired detection.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT



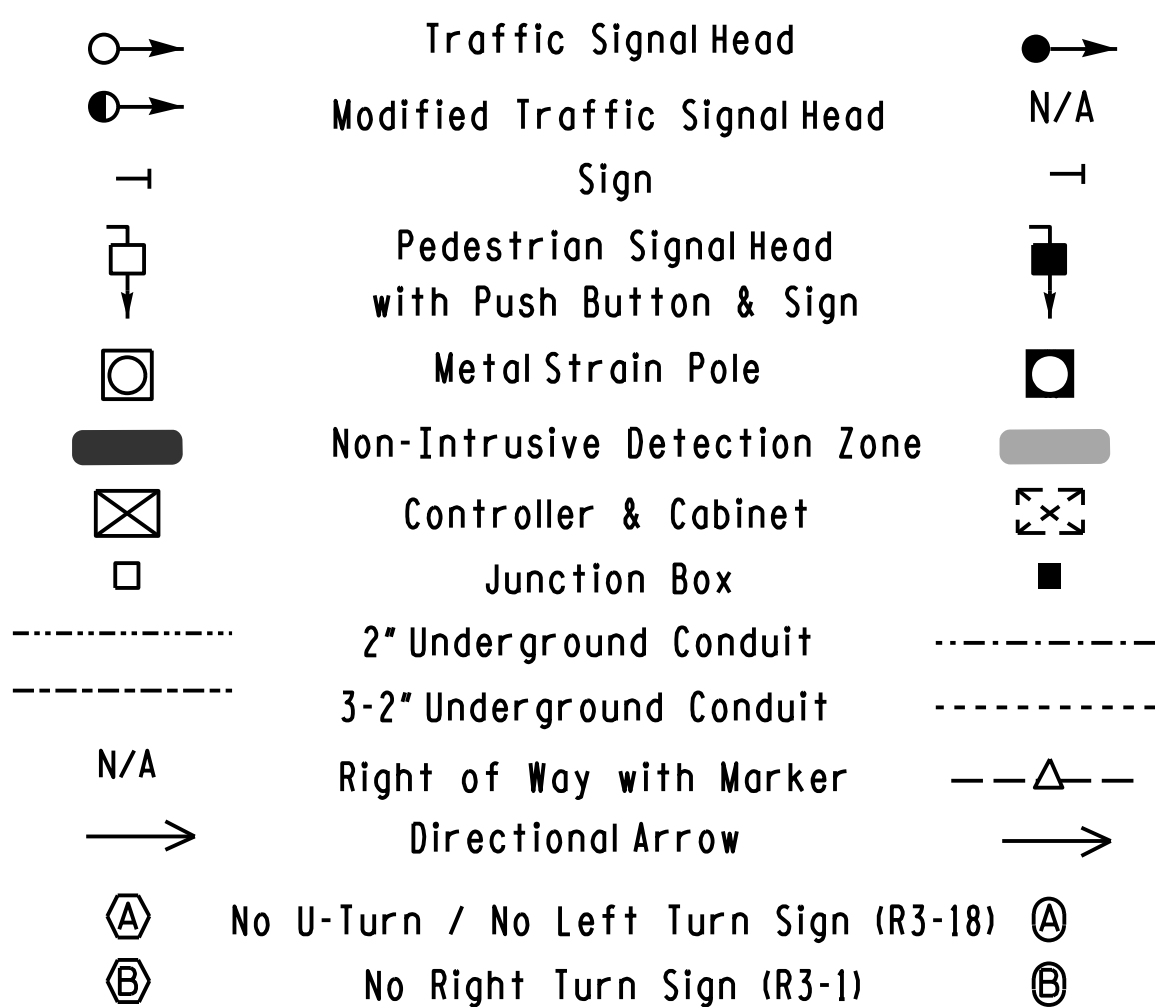
FEATURE	PHASE			
	1	2	4	6
Walk *	–	–	–	–
Ped Clear	–	–	–	–
Min Green *	7	14	7	14
Passage *	2.0	2.0	2.0	2.0
Max 1 *	20	90	30	90
Yellow Change	3.0	5.2	4.0	5.2
Red Clear	2.6	1.1	1.8	1.1
Added Initial *	–	–	–	–
Maximum Initial *	–	–	–	–
Time Before Reduction *	–	–	–	–
Time To Reduce *	–	–	–	–
Minimum Gap	–	–	–	–
Advance Walk	–	–	–	–
Non Lock Detector	X	–	X	–
Vehicle Recall	–	MIN RECALL	–	MIN RECALL
Dual Entry	–	–	–	–

MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR					PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	6X40	0	*	*	1 6	15 ⁺ -	-	X	-	X	-	*
4A	6X40	0	*	*	4	-	-	X	-	X	-	*
4B	6X40	0	*	*	4	10	-	X	-	X	-	*
4C	6X20	0	*	*	4	15	-	X	-	X	-	*

- * Multizone Microwave Detection
- + Disable Delay during Alt Phasing Ops
- @ Disable phase call during Alt Phasing Ops

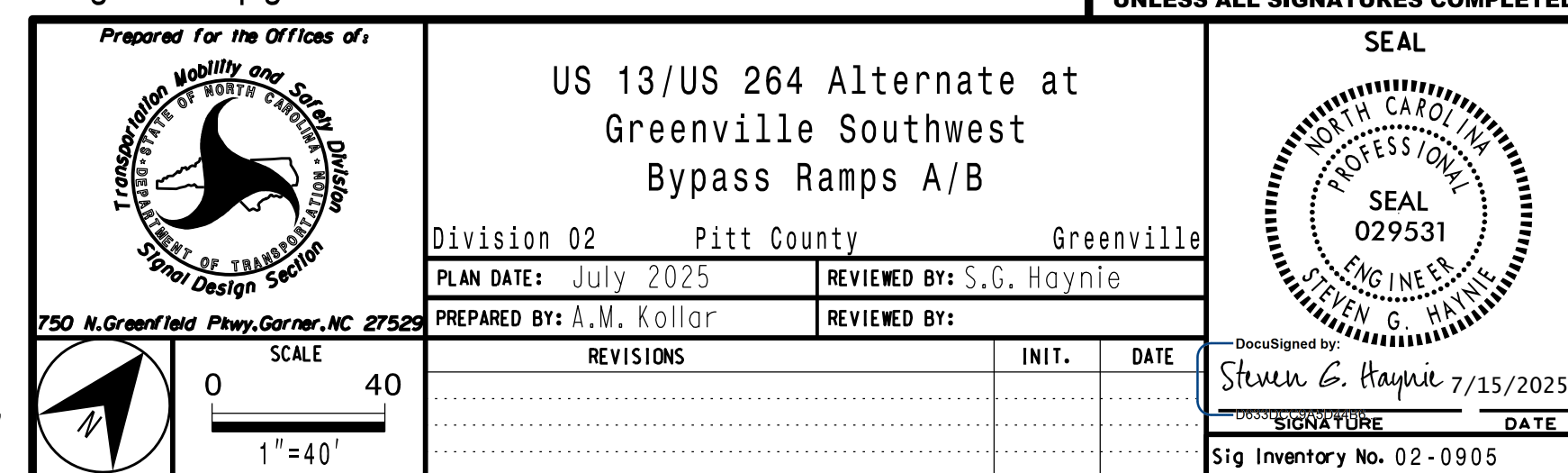
MICROWAVE DETECTION				
	2A		6A	
FUNCTION	Sensor 1		Sensor 2	
Channel	1		1	
Phase	2		6	
Direction of Travel	NB		SB	
Type	Priority		Priority	
Level	2	QUEUE	2	QUEUE
Discovery Zone (ft)	<750	-	<750	-
Range (ft)	600-100	150-100	600-100	150-100
Enable Speed	Y	Y	Y	Y
Speed Range (mph)	35-100	1-35	35-100	1-35
Enable Estimated Time of Arrival	Y	N	Y	N
Estimated Time of Arrival (sec)	2.5-6.5	-	2.5-6.5	-

EXISTING



Signal Upgrade

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETE**



RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 40
RALEIGH, NC 27615
(919) 926-4100