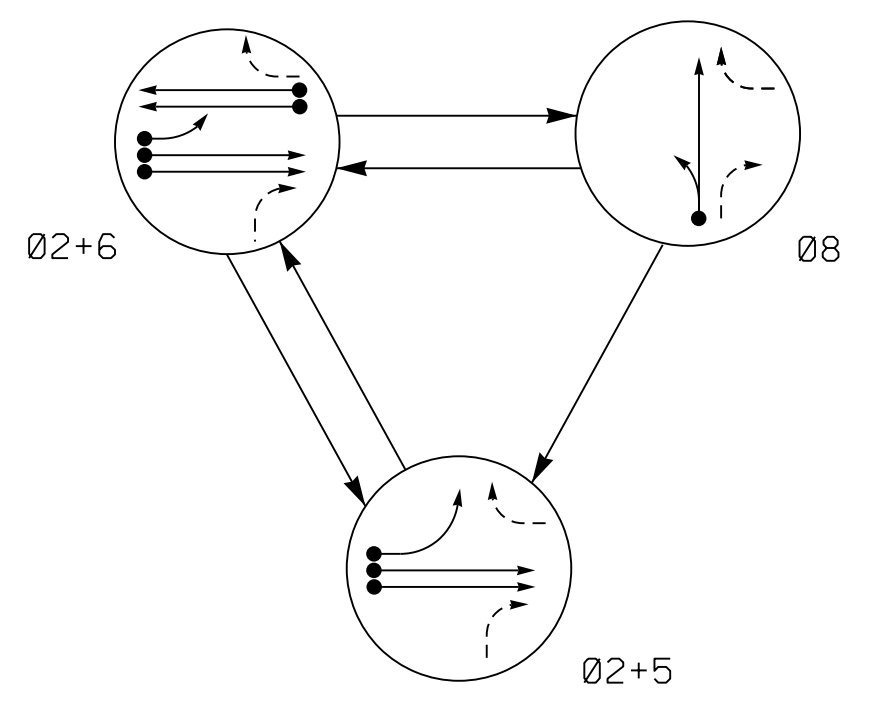


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

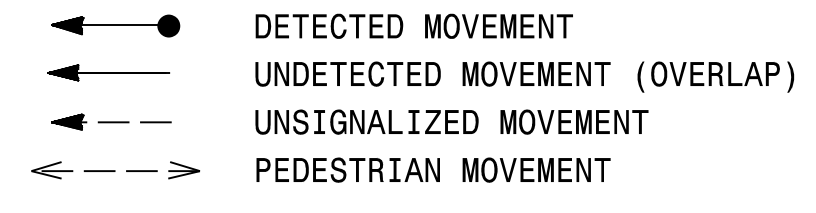
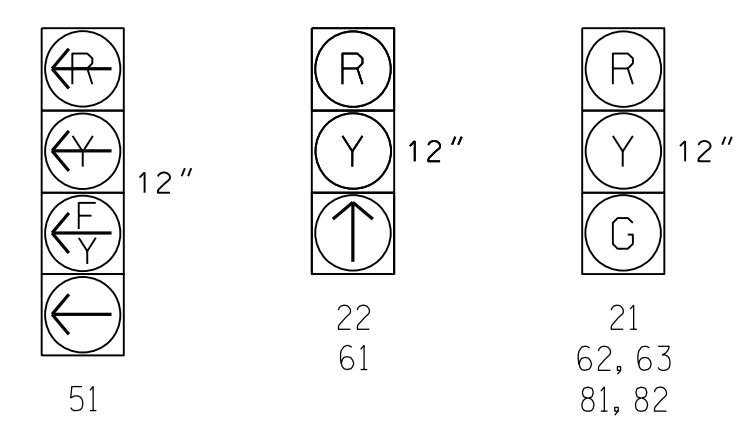


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	08	FLASH
21	G	G	R	Y
22	↑	↑	R	Y
51	←	←	R	Y
61	R	↑	R	Y
62, 63	R	G	R	Y
81, 82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



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	QUEUE	CALL	PASSAGE 2	SYSTEM LOOP	NEW CARD
2A*	*	300	*	*	2	-	-	X	X	-	X	-	-	*
5A	6X40	0	2-4-2	X	5	15	-	X	-	-	X	X	-	X
6A	6X6	300	5	X	6	-	-	X	X	-	X	-	-	X
6B	6X6	300	5	X	6	-	-	X	X	-	X	-	-	X
8A	6X40	0	2-4-2	X	8	-	-	X	-	-	X	-	-	X

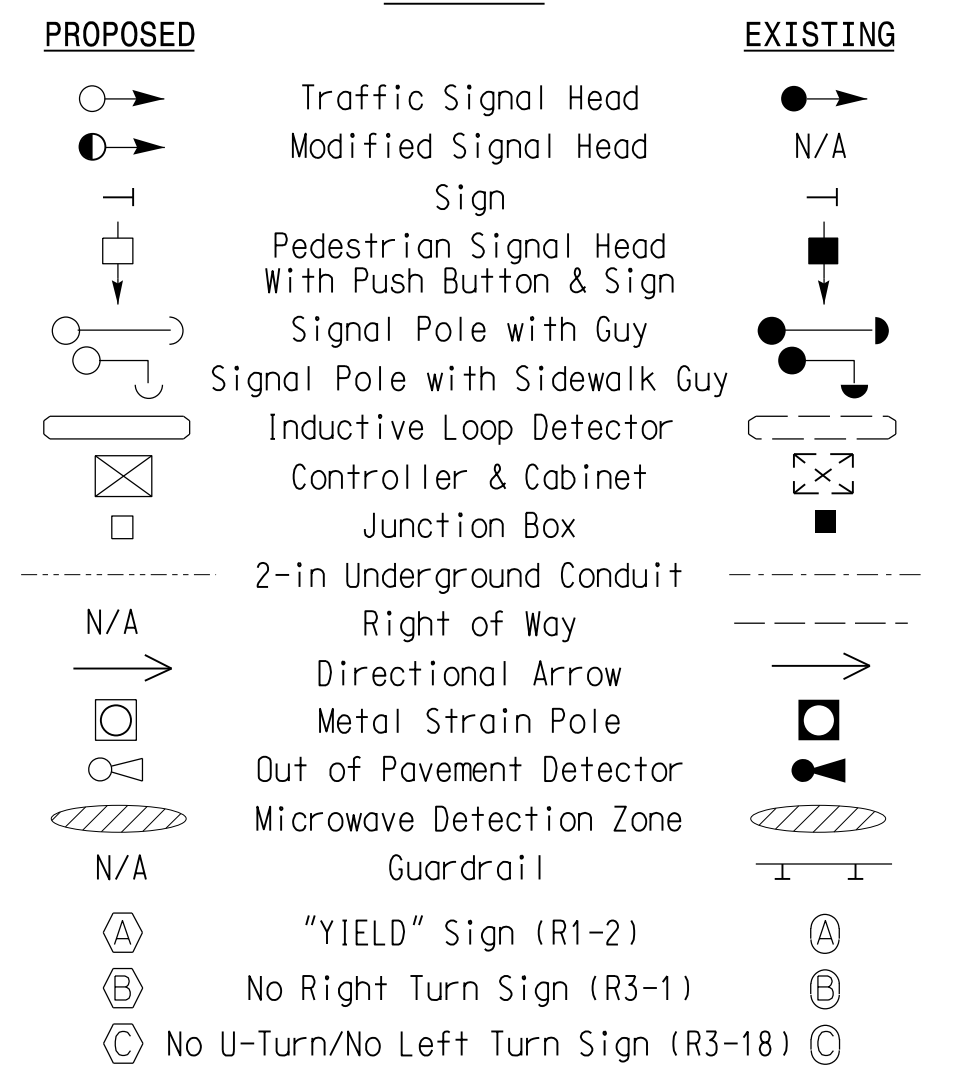
* Microwave Detection Zone

3 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Install backplates for signal heads numbered 21, 22, 51, 61, 62, and 63.
5. Set all detector units to presence mode.
6. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

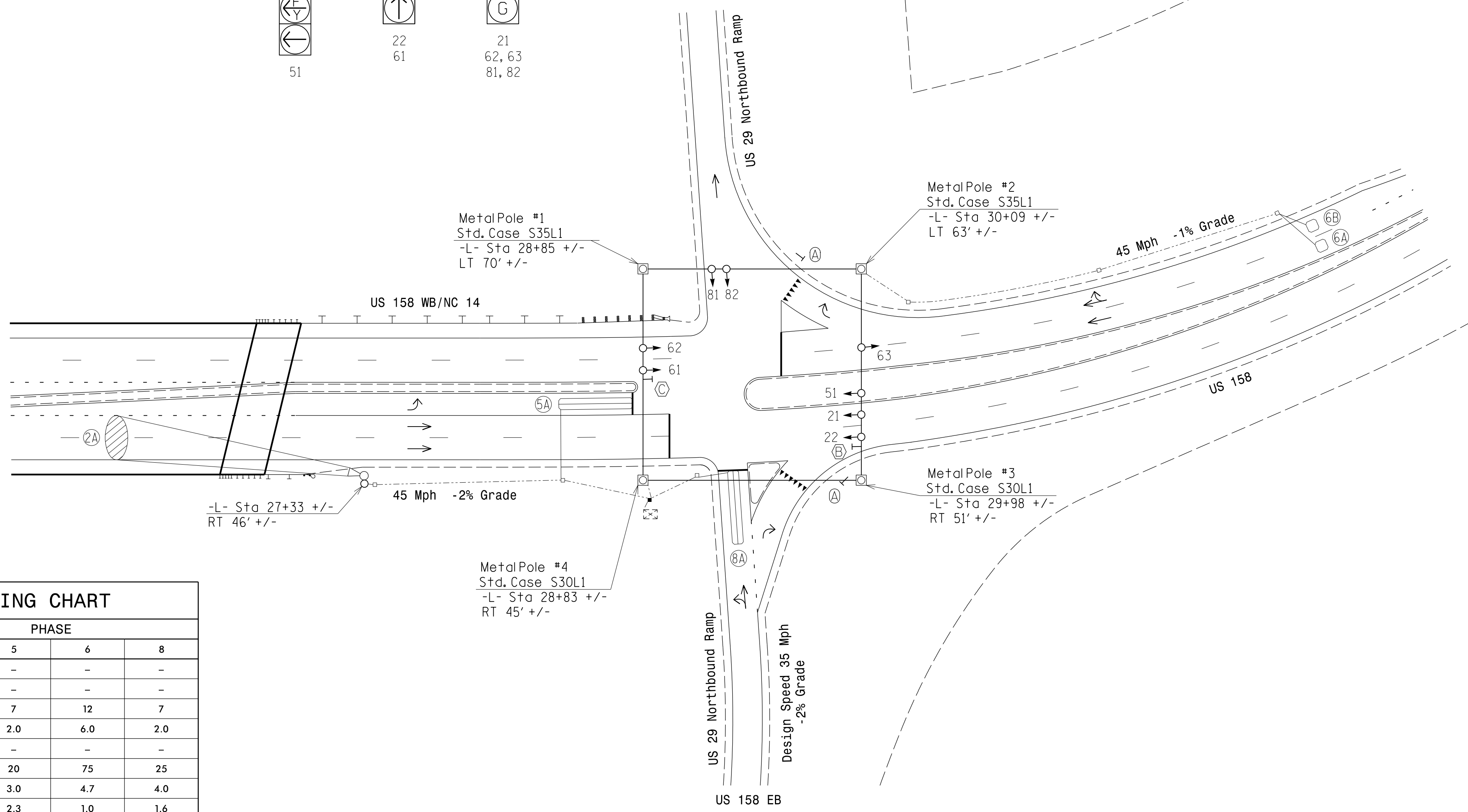
LEGEND



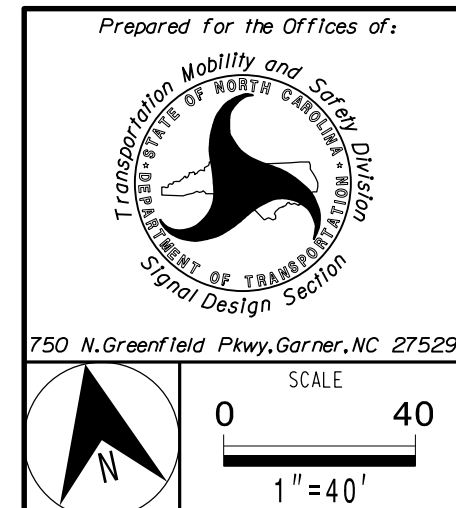
MAXTIME TIMING CHART

FEATURE	PHASE			
	2	5	6	8
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green	12	7	12	7
Passage *	6.0	2.0	6.0	2.0
Passage 2 *	3.0	-	-	-
Max 1 *	75	20	75	25
Yellow Change	4.7	3.0	4.7	4.0
Red Clear	1.0	2.3	1.0	1.6
Added Initial *	1.5	-	1.5	-
Maximum Initial *	34	-	34	-
Time Before Reduction *	20	-	20	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
Advance Walk	-	-	-	-
Non Lock Detector	-	X	-	X
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.



Signal Upgrade - Final Design



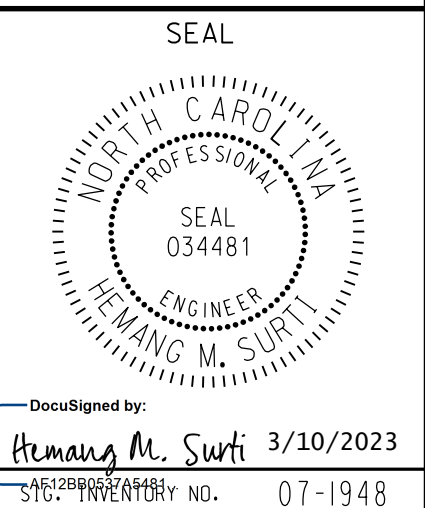
Division 7 Rockingham County Reidsville

PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti

PREPARED BY: M.D. Tindal REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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