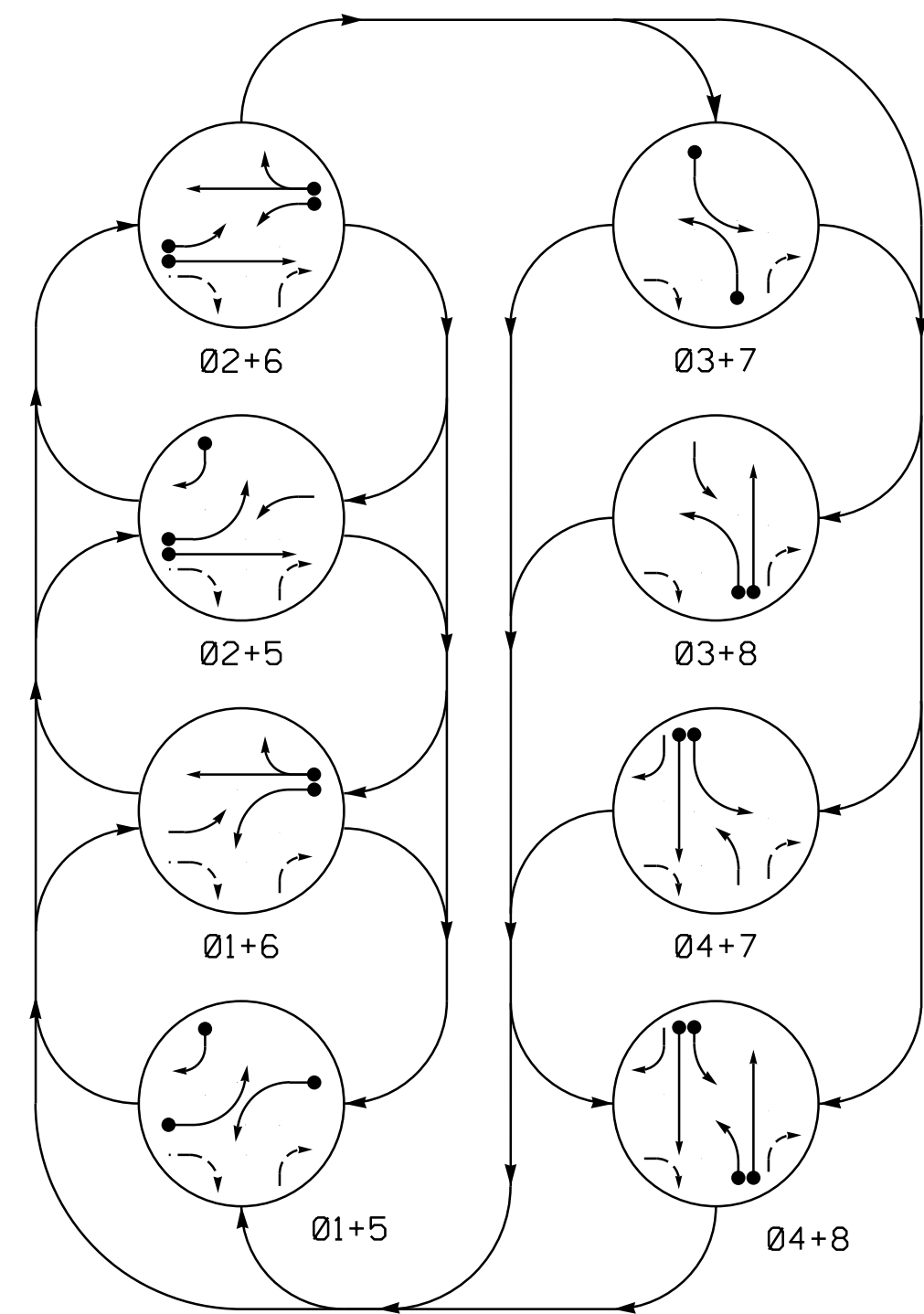


PHASING DIAGRAM



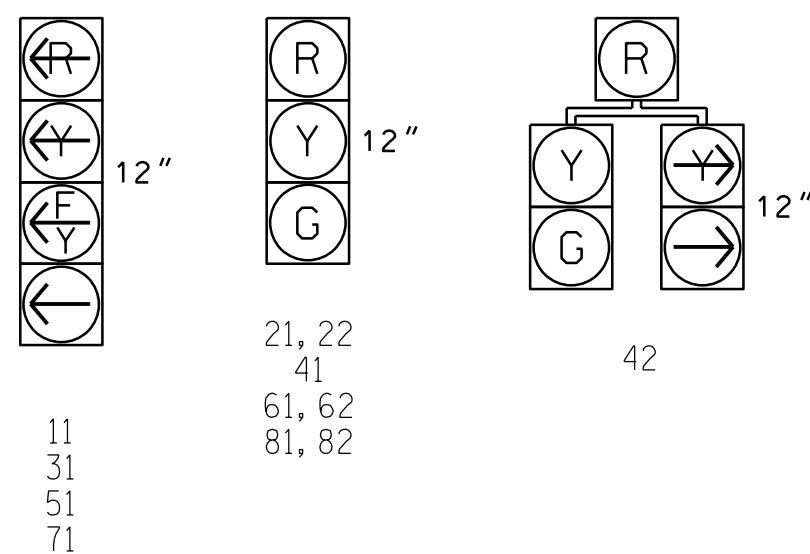
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE								
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	FLASH
11	←	←	←	←	←	←	←	←	Y
21, 22	R	R	G	G	R	R	R	R	Y
31	←	←	←	←	←	←	←	←	Y
41	R	R	R	R	R	R	G	G	R
42	R	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←	Y
61, 62	R	G	R	G	R	R	R	R	Y
71	←	←	←	←	←	←	←	←	Y
81, 82	R	R	R	R	G	R	G	R	R

SIGNAL FACE I.D.

All Heads L.E.D.



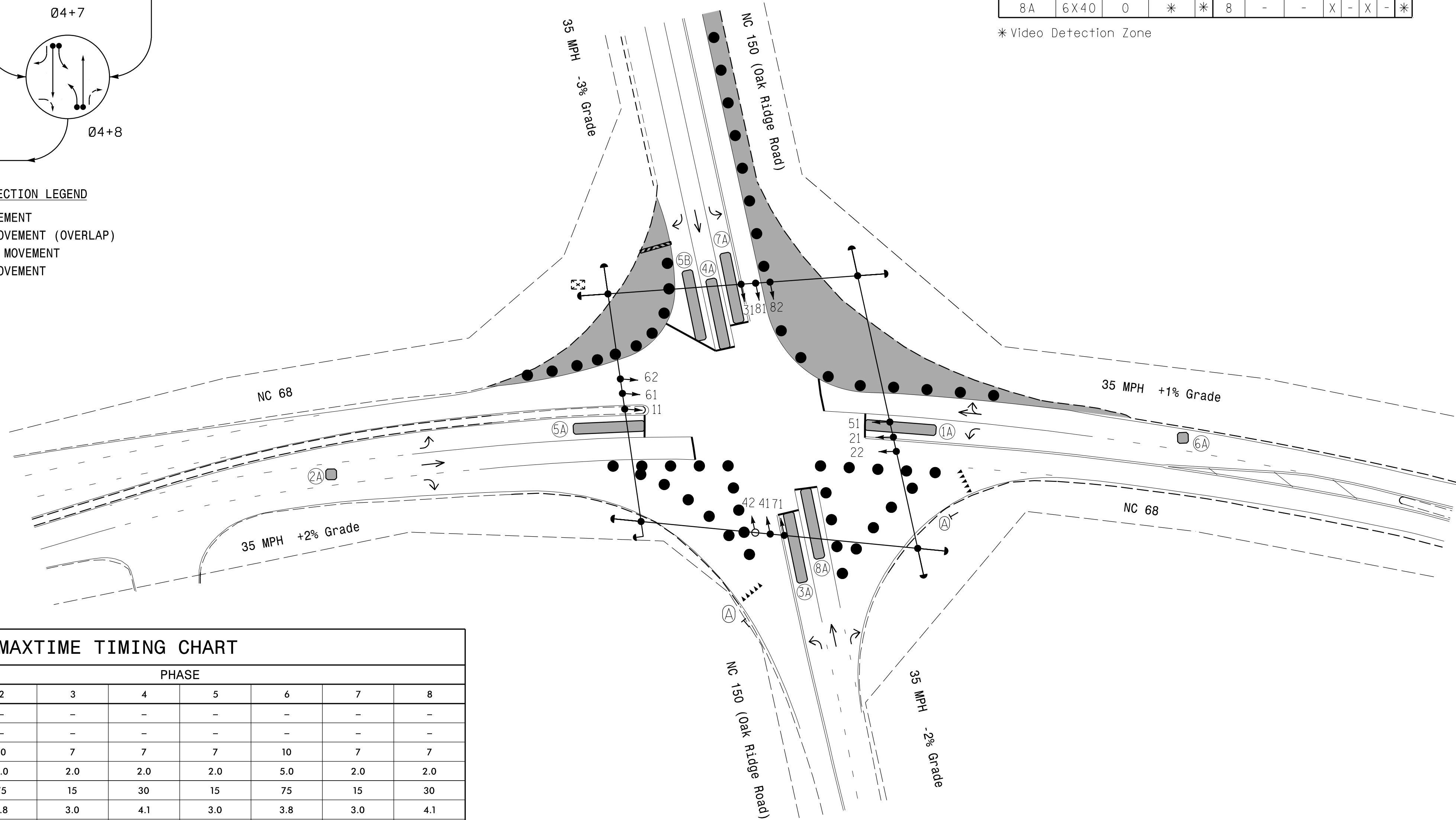
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD
1A	6X40	0	*	*	1	15	-	X	-	X	*
					6	3	-	X	-	X	*
2A	6X6	200	*	*	2	-	-	X	X	X	*
3A	6X40	0	*	*	3	15	-	X	-	X	*
					8	3	-	X	-	X	*
4A	6X40	0	*	*	4	-	-	X	-	X	*
5A	6X40	0	*	*	5	15	-	X	-	X	*
					2	3	-	X	-	X	*
5B	6X40	0	*	*	5	15	-	X	-	X	*
6A	6X6	200	*	*	6	-	-	X	X	X	*
7A	6X40	0	*	*	7	15	-	X	-	X	*
					4	3	-	X	-	X	*
8A	6X40	0	*	*	8	-	-	X	-	X	*

* Video Detection Zone

8 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Reposition existing signal heads numbered 41 and 71.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	-	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-	-	-
Min Green	7	10	7	7	7	10	7	7
Passage *	2.0	5.0	2.0	2.0	2.0	5.0	2.0	2.0
Max 1 *	15	75	15	30	15	75	15	30
Yellow Change	3.0	3.8	3.0	4.1	3.0	3.8	3.0	4.1
Red Clear	2.4	1.9	2.8	1.8	2.6	1.9	2.8	1.8
Added Initial *	-	2.5	-	-	-	2.5	-	-
Maximum Initial *	-	24	-	-	-	24	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Advance Walk	-	-	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X

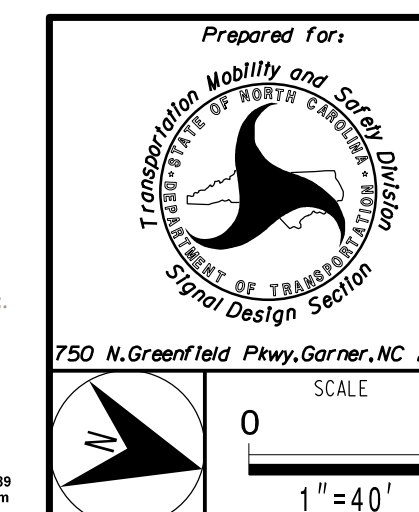
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

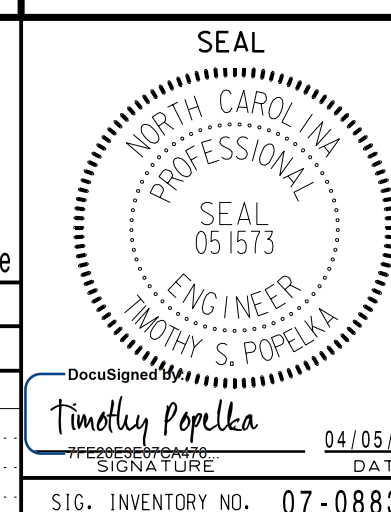
- | PROPOSED | EXISTING |
|----------|----------|
| | |
| | N/A |
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| | |
| | |
| | N/A |
| | N/A |
| | N/A |
| | |

Signal Upgrade - Temporary Design 2 (TMP Phase 1, Step 4)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NC 68 at NC 150 (Oak Ridge Road)	
Division 7	Guilford County Oak Ridge
PLAN DATE: April 2023	REVIEWED BY: TS Popelka
PREPARED BY: JA Wendt	RKA PROJ. NO.: 18062 (040)
REVISIONS	INIT. DATE



04/05/2023
DATE
TIMOTHY S. POPELKA
SIGNATURE
SIG. INVENTORY NO. 07-0883T2