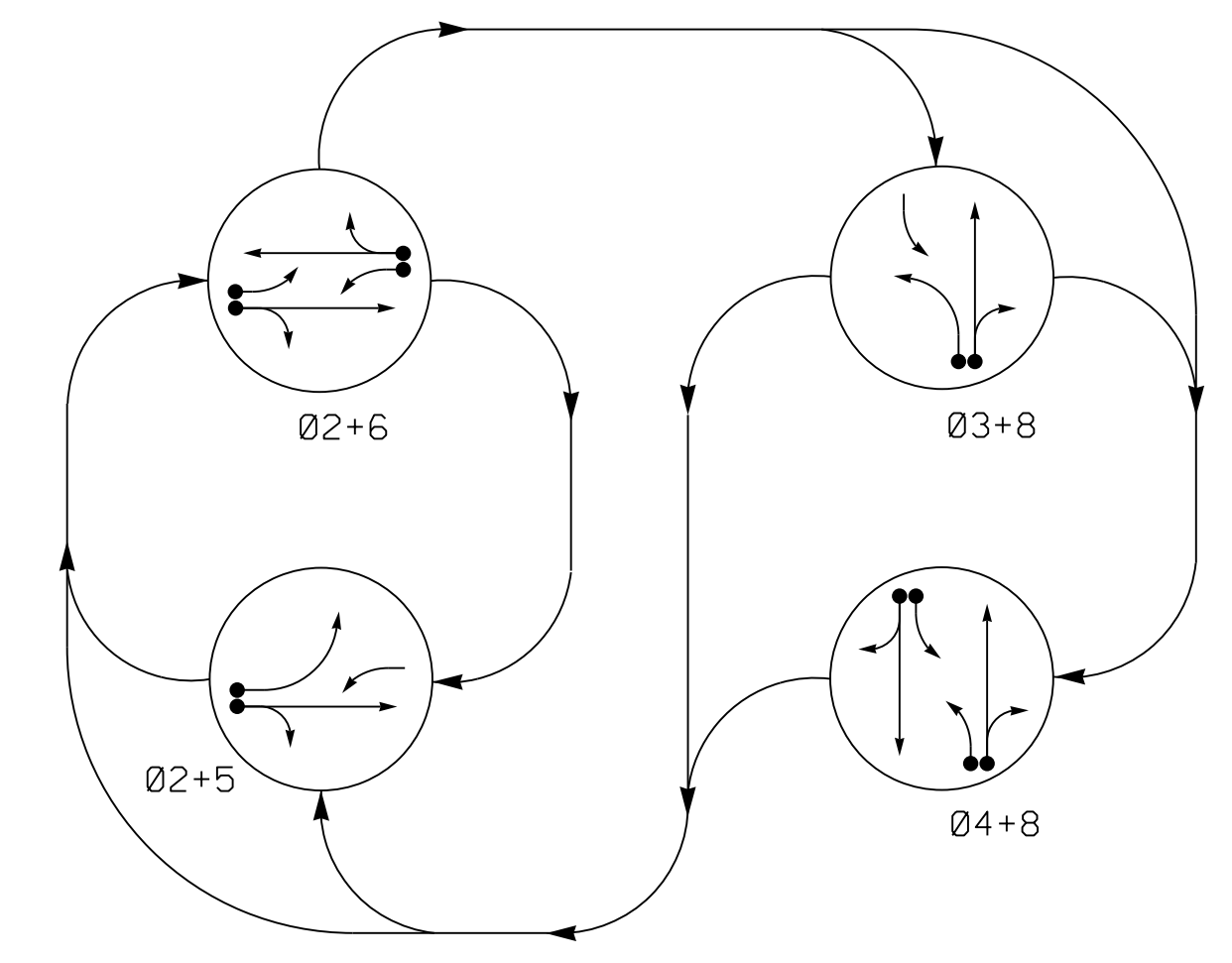


**PHASING DIAGRAM**



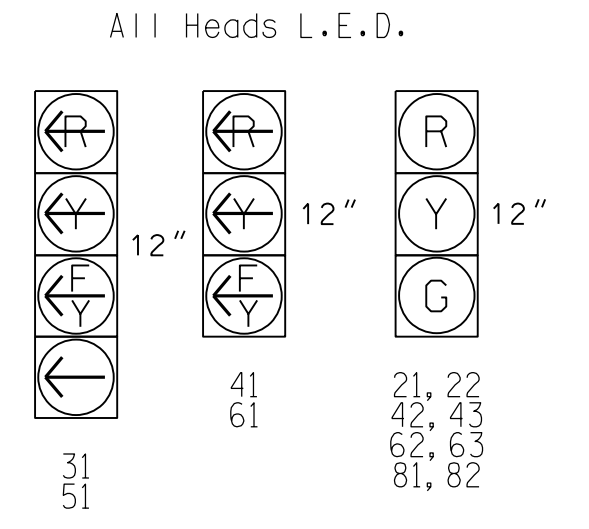
**PHASING DIAGRAM DETECTION LEGEND**

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

**TABLE OF OPERATION**

SIGNAL FACE	PHASE				
	Ø 2 + 5	Ø 2 + 6	Ø 3 + 8	Ø 4 + 8	FLASH
21, 22	G	G	R	R	Y
31	R	R	F	F	R
41	R	R	F	F	R
42, 43	R	R	R	G	R
51	F	F	R	R	Y
61	F	F	R	R	Y
62, 63	R	G	R	R	Y
81, 82	R	R	G	G	R

**SIGNAL FACE I.D.**



**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

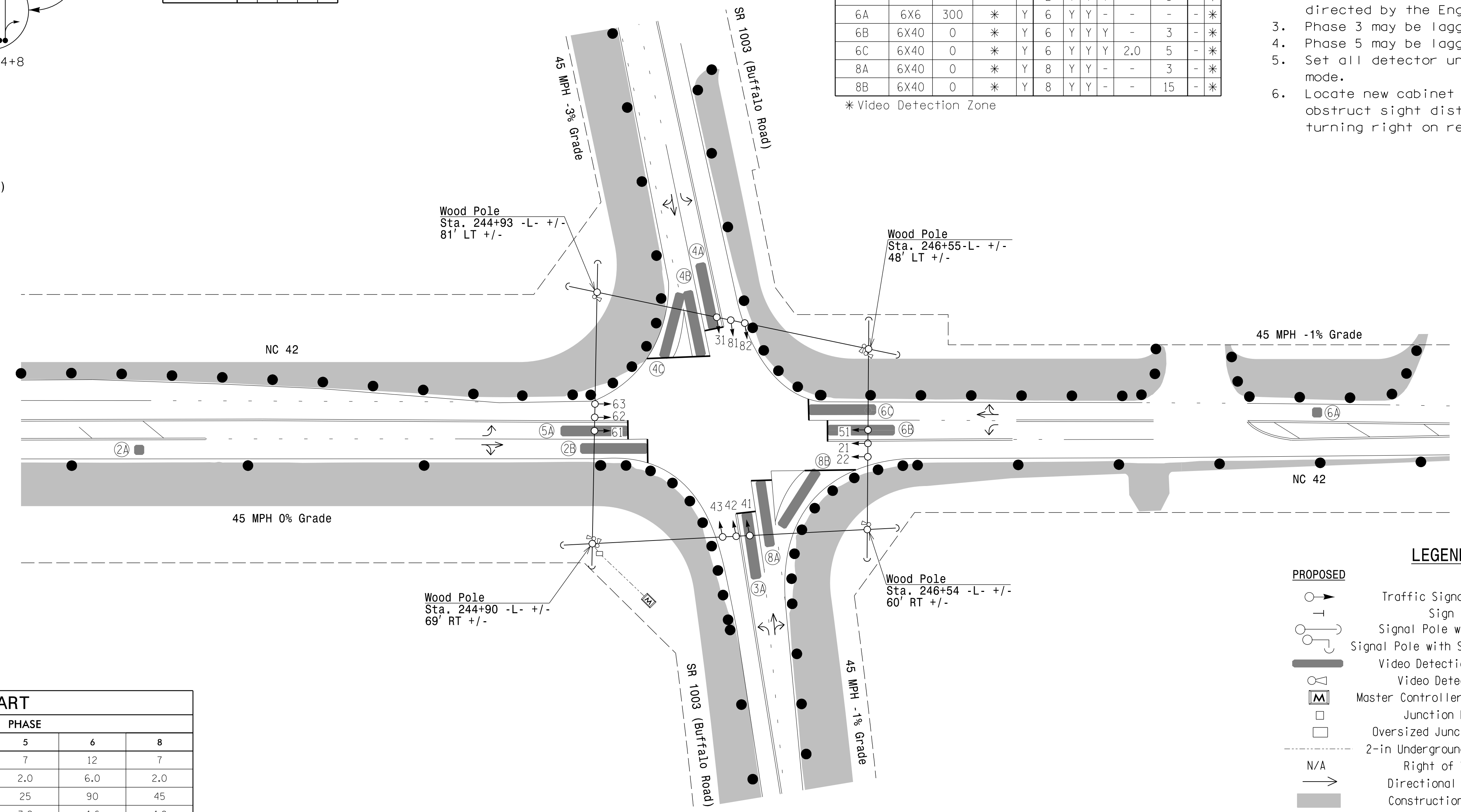
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING			SYSTEM LOOP	NEW CARD	
					PHASE	CALLING EXTENSION	STRETCH TIME			
2A	6X6	300	*	Y	2	Y	Y	-	-	*
2B	6X40	0	*	Y	2	Y	Y	2.0	5	*
3A	6X40	0	*	Y	3	Y	Y	-	3	*
4A	6X40	0	*	Y	4	Y	Y	-	3	*
4B	6X40	0	*	Y	4	Y	Y	-	3	*
4C	6X40	0	*	Y	4	Y	Y	-	15	*
5A	6X40	0	*	Y	5	Y	Y	-	15	*
6A	6X6	300	*	Y	6	Y	Y	-	-	*
6B	6X40	0	*	Y	6	Y	Y	-	3	*
6C	6X40	0	*	Y	6	Y	Y	2.0	5	*
8A	6X40	0	*	Y	8	Y	Y	-	3	*
8B	6X40	0	*	Y	8	Y	Y	-	15	*

\* Video Detection Zone

**4 Phase Fully Actuated Isolated**

**NOTES**

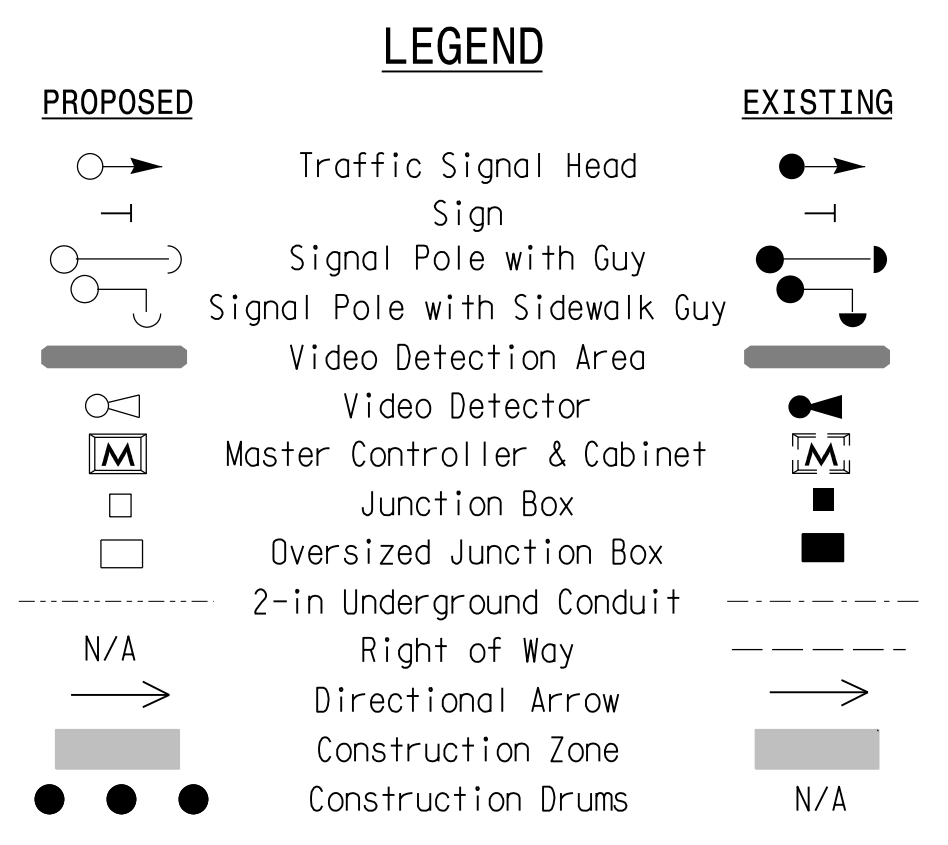
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 3 may be lagged.
4. Phase 5 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.



**OASIS 2070 TIMING CHART**

FEATURE	PHASE					
	2	3	4	5	6	8
Min Green 1 *	12	7	7	7	12	7
Extension 1 *	6.0	2.0	2.0	2.0	6.0	2.0
Max Green 1 *	90	25	45	25	90	45
Yellow Clearance	4.6	3.2	4.8	3.2	4.6	4.8
Red Clearance	1.5	2.0	1.0	2.0	1.5	1.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-
Time Before Reduction *	15	-	-	-	15	-
Time To Reduce *	30	-	-	-	30	-
Minimum Gap	3.0	-	-	-	3.0	-
Recall Mode	MIN RECALL	-	-	-	MIN RECALL	-
Vehicle Call Memory	-	-	-	-	-	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON

\* 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 - Temporary Design 1 (TMP Phase I & II)**

Prepared by  
**URS**  
URS Corporation - North Carolina  
1600 Perimeter Park Drive  
Morrisville, North Carolina 27560  
TELEPHONE (919) 461-1100 FAX (919) 461-1415  
NC LICENSE # C-2243

**NC 42  
at  
SR 1003 (Buffalo Road)**

Division 4 Johnston County Clayton  
PLAN DATE: January 2018 REVIEWED BY: C. L. Kalencik  
PREPARED BY: S. W. COX REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/25/2018

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