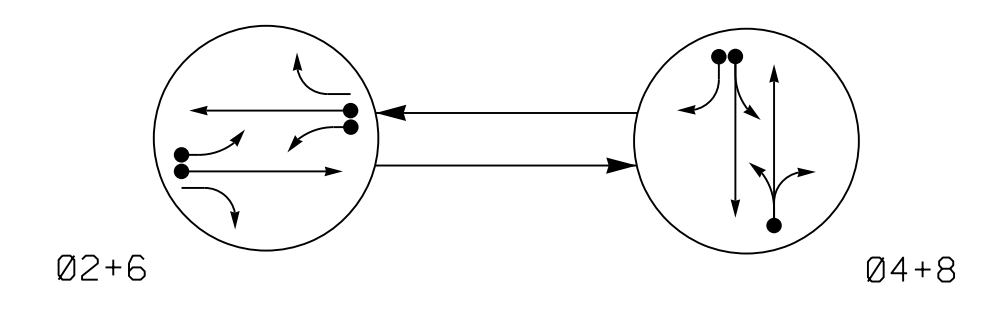


**PHASING DIAGRAM**



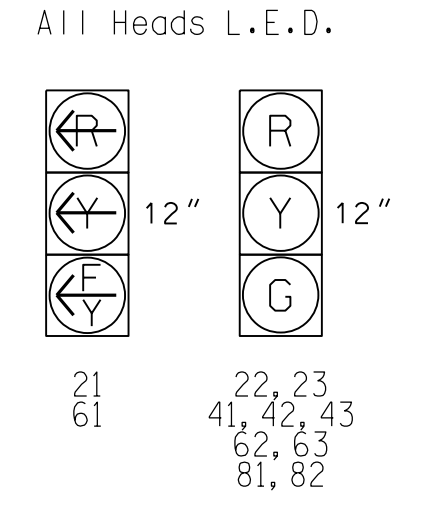
**PHASING DIAGRAM DETECTION LEGEND**

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

**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	F L A S H
21	Y	R	Y
22, 23	G	R	Y
41, 42, 43	R	G	R
61	Y	R	Y
62, 63	G	R	Y
81, 82	R	G	R

**SIGNAL FACE I.D.**



**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

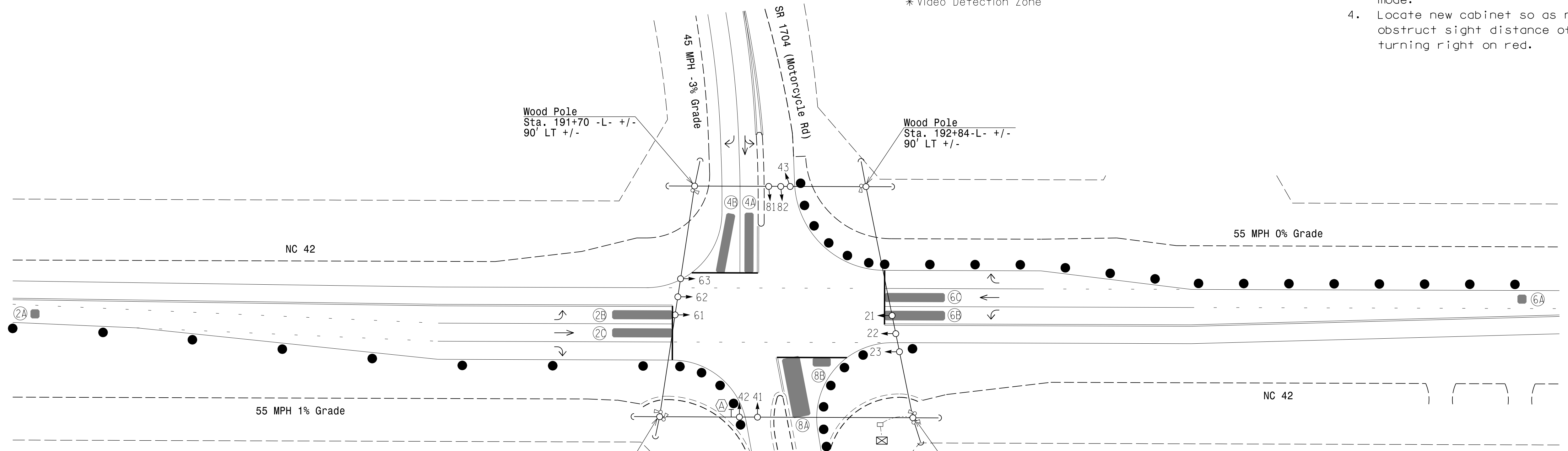
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	420	*	Y	2	Y	Y	-	-	-	-	*
2B	6X40	0	*	Y	2	Y	Y	Y	-	3	-	*
2C	6X40	0	*	Y	2	Y	Y	Y	2.0	5	-	*
4A	6X40	0	*	Y	4	Y	Y	-	-	-	-	*
4B	6X40	0	*	Y	4	Y	Y	-	-	15	-	*
6A	6X6	420	*	Y	6	Y	Y	-	-	-	-	*
6B	6X40	0	*	Y	6	Y	Y	Y	-	3	-	*
6C	6X40	0	*	Y	6	Y	Y	Y	2.0	5	-	*
8A	12X40	0	*	Y	8	Y	Y	-	-	10	-	*
8B	12X6	0	*	Y	8	Y	Y	-	-	15	-	*

\* Video Detection Zone

**2 Phase Fully Actuated Isolated**

**NOTES**

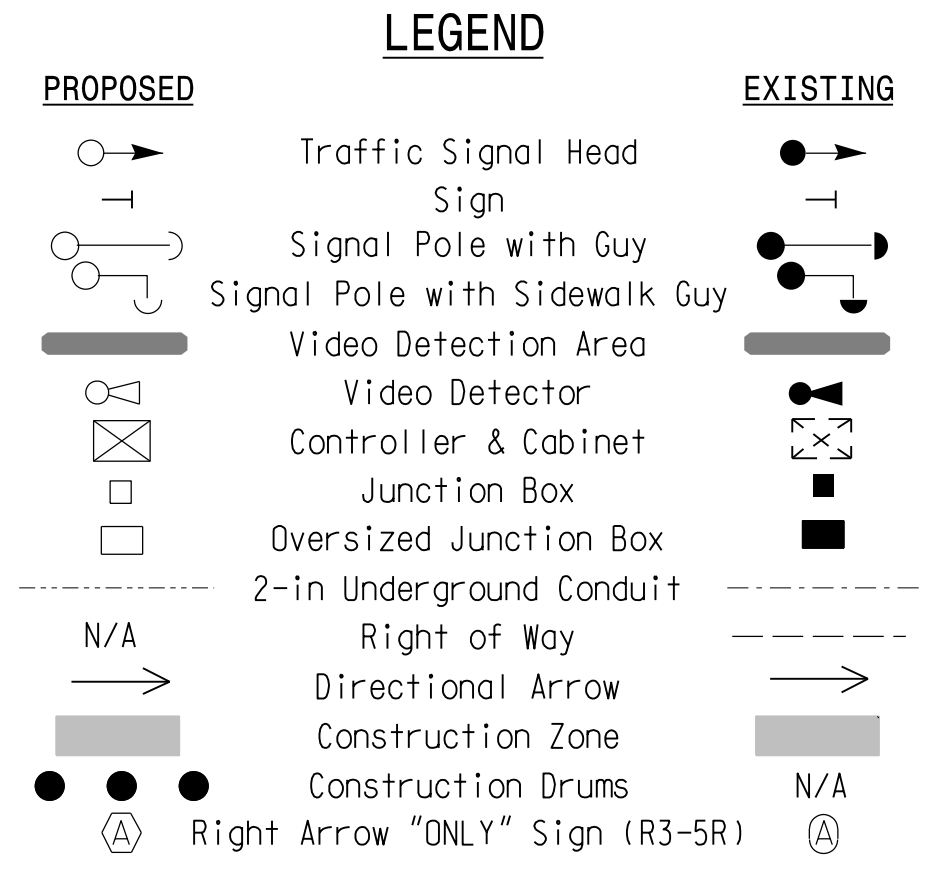
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet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



**OASIS 2070 TIMING CHART**

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	14	7	14	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	40	90	40
Yellow Clearance	5.2	4.8	5.2	3.5
Red Clearance	1.4	1.0	1.4	2.0
Red Revert	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	3.4	-	3.4	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	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.



**New Installation - Temporary Design 1 (TMP Phase I)**

Prepared for the Offices of:

**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 1704 (Motorcycle Rd)/ Portofino Dr**  
Division 4 Johnston County Clayton  
PLAN DATE: January 2018 REVIEWED BY: C. L. Kalencik  
PREPARED BY: S. W. COX REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529  
SCALE: 0 40 1"=40'

REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL 040715  
C. L. KALENCIK  
5/25/2018  
SIG. INVENTORY NO. 04-142311

E:\25\2018 L:\MORT\BY\11\k\081\4325B\Traffic\cals\gnal\404142311.s1g.dgn date.dgn  
 5/25/2018 11:08:11 AM  
 COAST