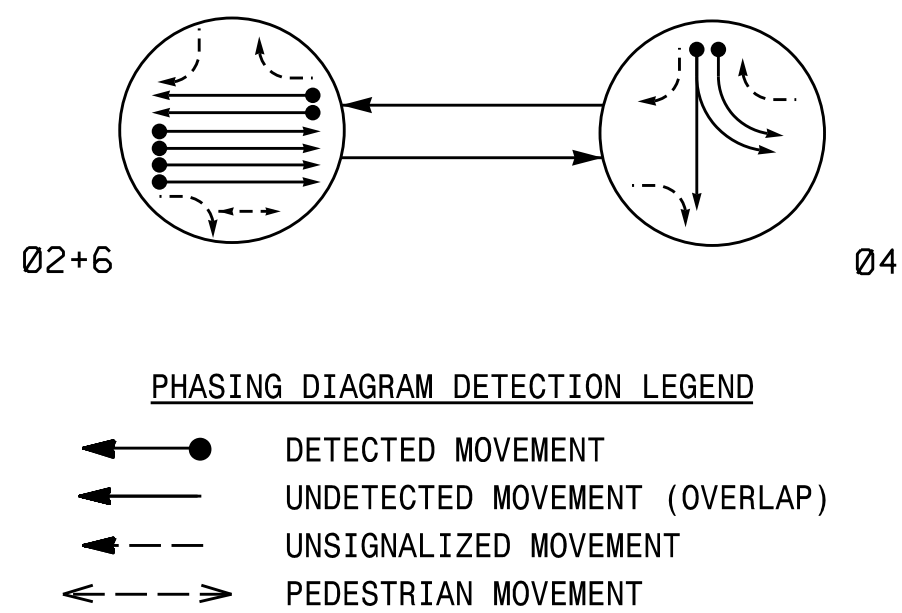


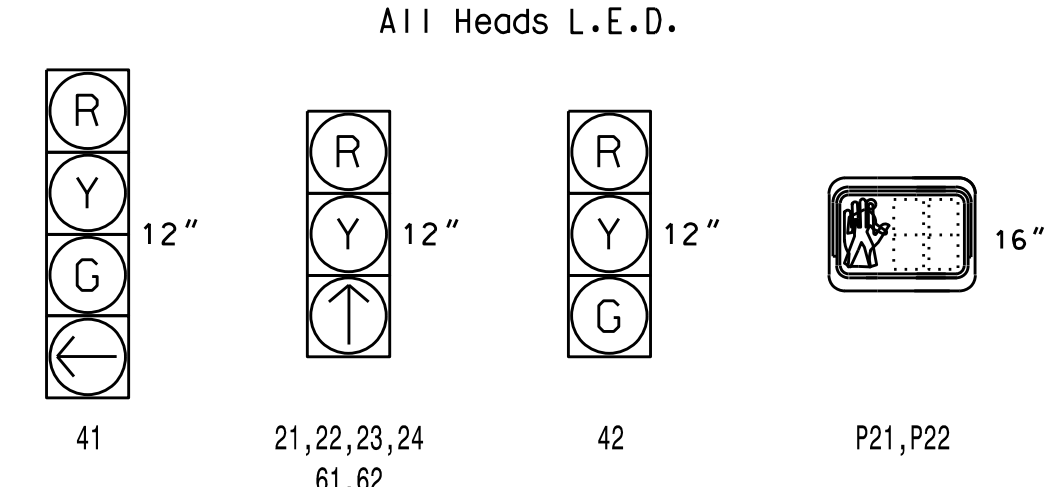
PHASING DIAGRAM



**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	02+6	04	FL HEAD
21,22,23,24	↑	R	Y
41	R	G	R
42	R	G	R
61,62	↑	R	Y
P21,P22	W	DW	DRK

SIGNAL FACE I.D.



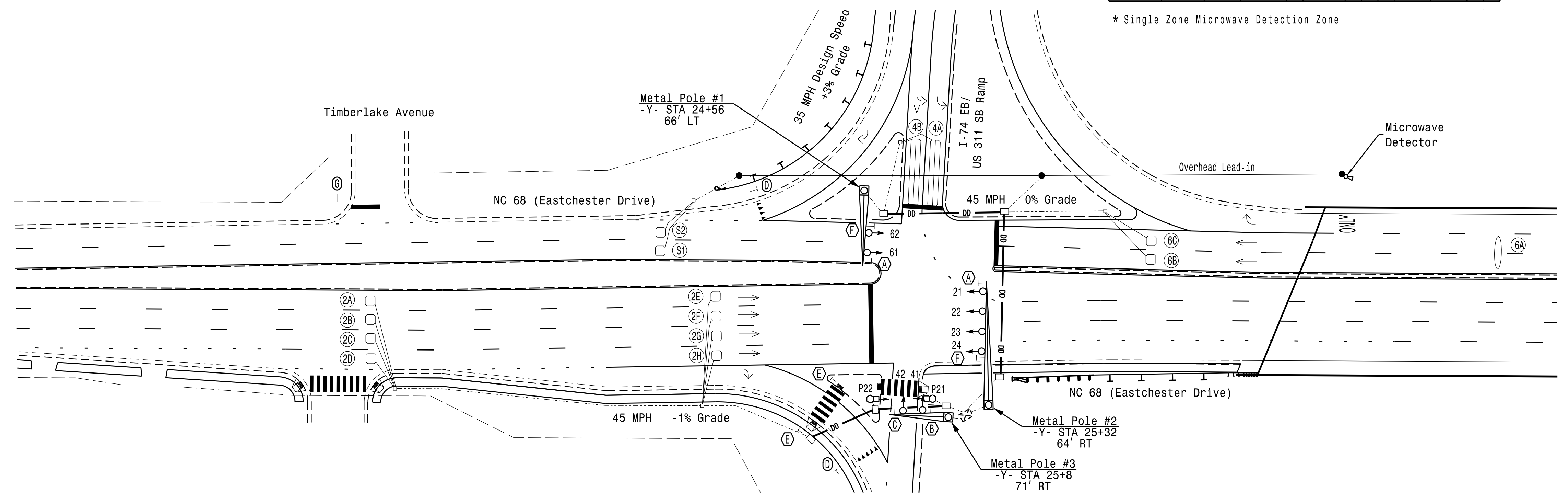
**OASIS 2070 LOOP & DETECTOR INSTALLATION**

LOOP / ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
2A	6X6	300	5	Y	2	Y	Y	-	1.6	-	-	Y
2B	6X6	300	5	Y	2	Y	Y	-	1.6	-	-	Y
2C	6X6	300	5	Y	2	Y	Y	-	1.6	-	-	Y
2D	6X6	300	5	Y	2	Y	Y	-	1.6	-	-	Y
2E	6X6	90	3	Y	2	Y	Y	-	-	-	-	Y
2F	6X6	90	3	Y	2	Y	Y	-	-	-	-	Y
2G	6X6	90	3	Y	2	Y	Y	-	-	-	-	Y
2H	6X6	90	3	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
6A*	*	300	*	Y	6	Y	Y	-	1.6	-	-	Y
6B	6x6	90	3	Y	6	Y	Y	-	-	-	-	Y
6C	6x6	90	3	Y	6	Y	Y	-	-	-	-	Y
S1	6x6	+200	5	Y	-	Y	Y	-	-	-	-	Y
S2	6x6	+200	5	Y	-	Y	Y	-	-	-	-	Y

2 Phase Fully Actuated (High Point Signal System)

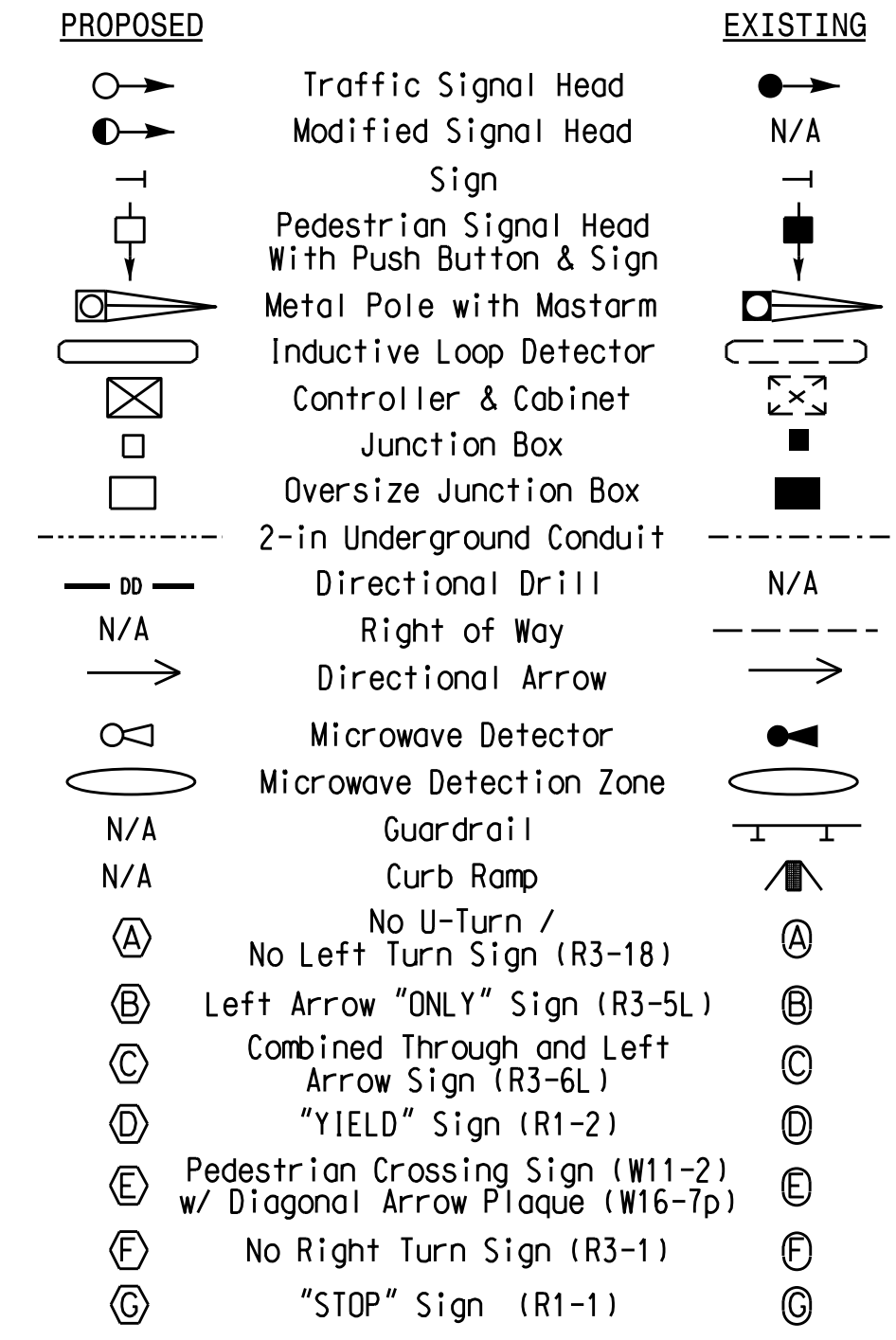
NOTES

- 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.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



\* Single Zone Microwave Detection Zone

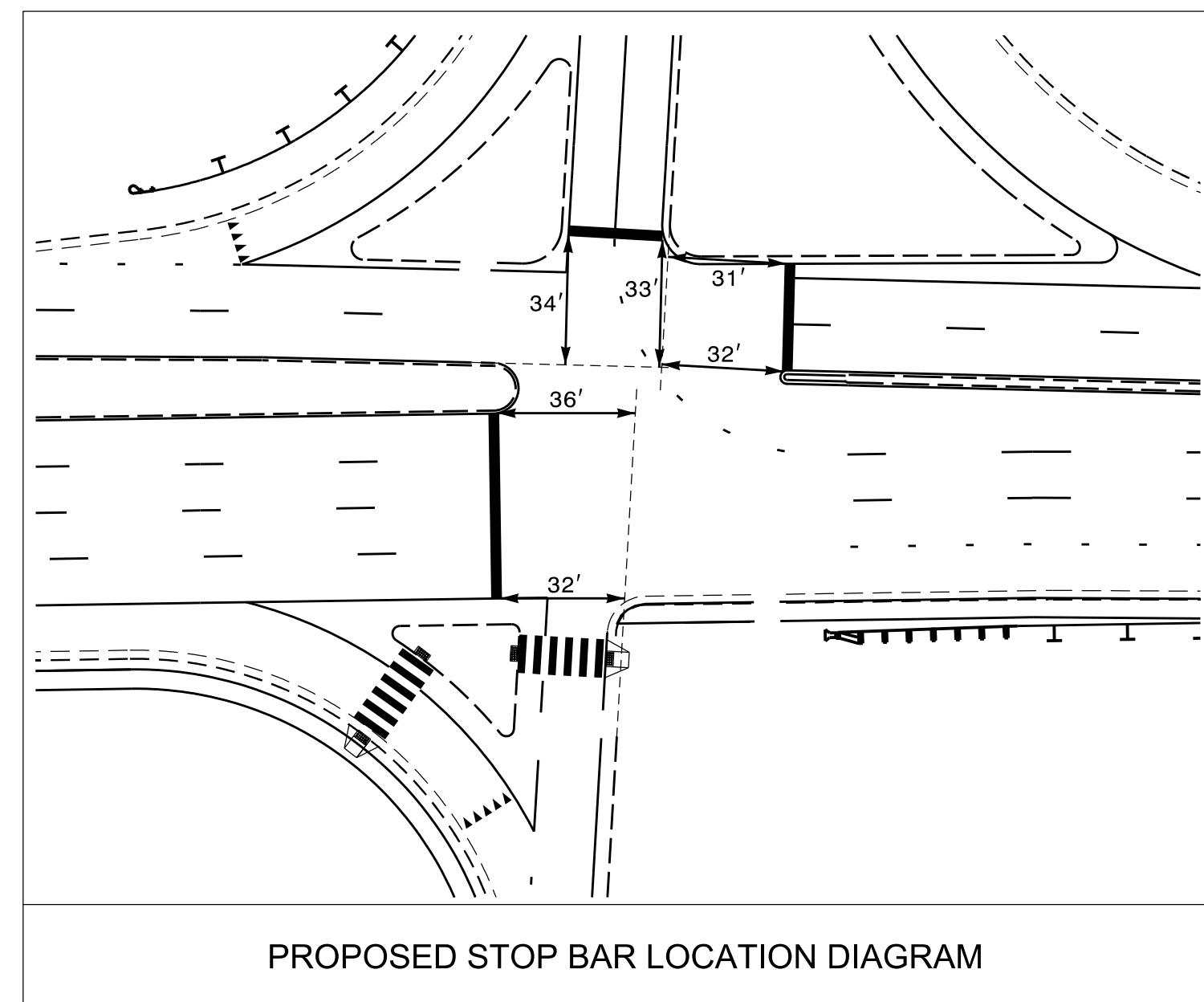
LEGEND



**OASIS 2070 TIMING CHART**

FEATURE	PHASE		
	2	4	6
Min Green 1*	12	7	12
Extension 1*	2.0	2.0	2.0
Max Green 1*	90	30	90
Yellow Clearance	4.6	3.7	4.5
Red Clearance	1.2	2.1	1.0
Walk 1*	7	-	-
Don't Walk 1	4	-	-
Seconds Per Actuation*	-	-	-
Max Variable Initial*	-	-	-
Time Before Reduction*	-	-	-
Time To Reduce*	-	-	-
Minimum Gap	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	YELLOW
Dual Entry	-	-	-
Simultaneous Gap	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.



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Signal Upgrade - Final Design

NC 68 (Eastchester Drive) at I-74 EB/ US 311 SB Ramps

Division 7 Guilford County High Point

PLAN DATE: May 2018 REVIEWED BY: R. Hinshaw

PREPARED BY: A. Ravipati REVIEWED BY:

REVISIONS

NO.	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by: R. Hinshaw 05/18/2018

SIGNATURE DATE

SIG. INVENTORY NO. 07-1624