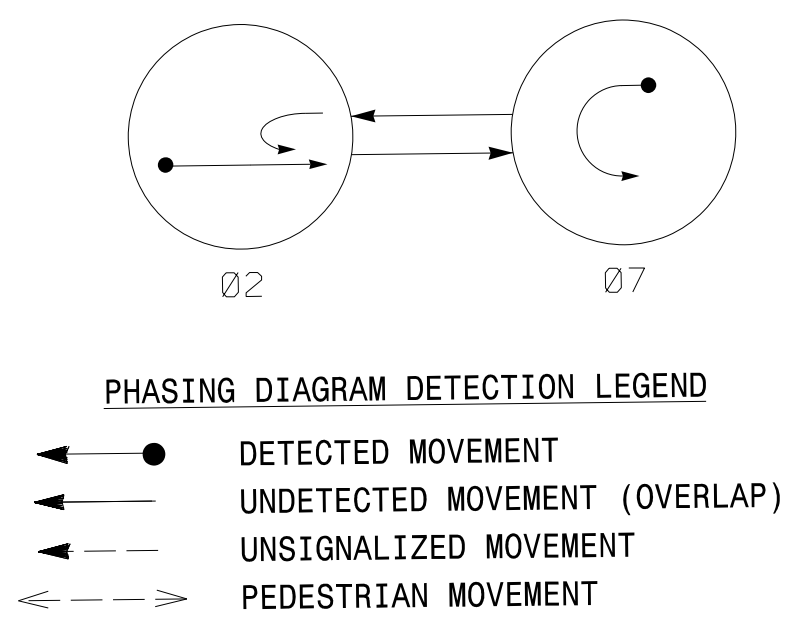


PHASING DIAGRAM



SIGNAL FACE I.D.
All Heads L.E.D.

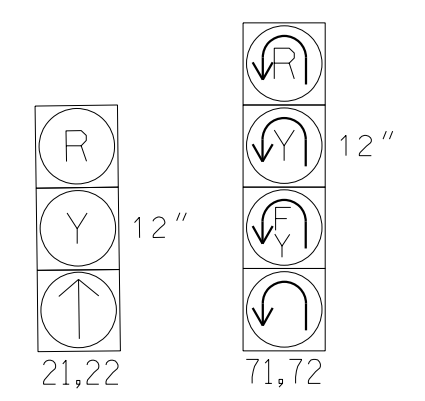


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2	Ø 7	FLUSH
21,22	↑	R	Y
71,72	↓	Y	↑

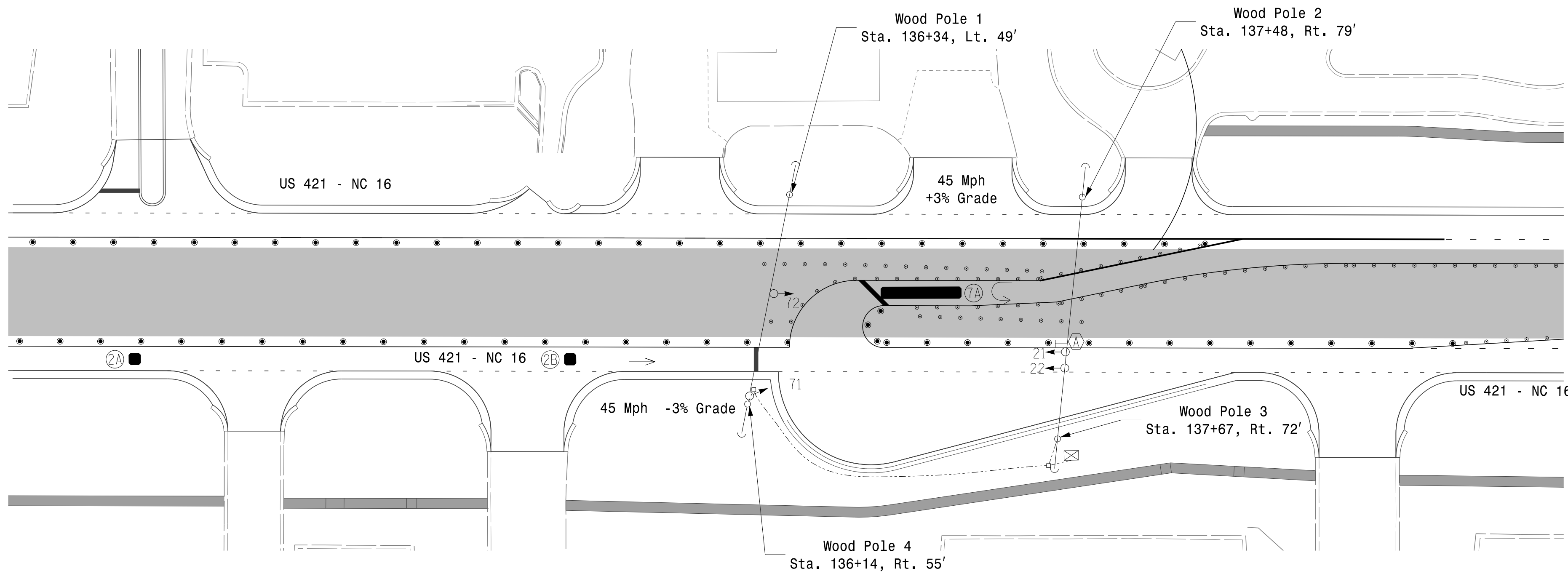
MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	PROGRAMMING									
			TURN	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL	DELAY DURING GREEN		
2A	6X6	300	*	X	2	-	1.6	X	-	X	-	*
2B	6X6	90	*	X	2	-	-	X	-	X	-	*
7A	6X40	0	*	X	7	15.0	-	X	-	X	-	*

* Video Detection Zone

2 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 operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Refer to Pavement Marking Plans for proposed stop bar locations.

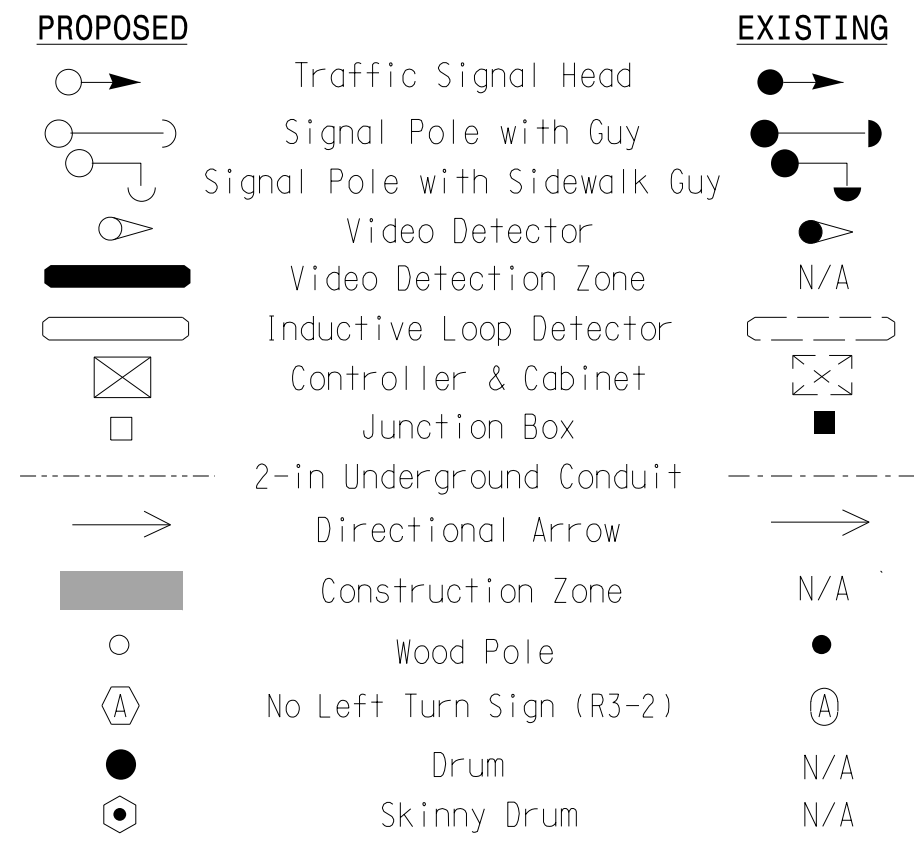


MAXTIME TIMING CHART

FEATURE	PHASE	
	2	7
Walk *	-	-
Ped Clear *	-	-
Min Green	12	7
Passage *	2.0	2.0
Max 1 *	60	30
Yellow Change	4.8	3.0
Red Clear	1.0	3.9
Added Initial *	-	-
Maximum Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Advance Walk	-	-
Non Lock Detector	-	X
Vehicle 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.

LEGEND



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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

New Installation - Temporary Design(Phase 11)

 Prepared For the Offices of: TRANSPORTATION MOBILITY and SAFETY DIVISION NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Garner, NC 27529	US 421-NC 16 at Addison Avenue/ Big Lots Entrance West U-Turn		SEAL S. R. CHILUKA
	Division 11 Wilkes County Wilkesboro PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma	REVISIONS INIT. DATE	