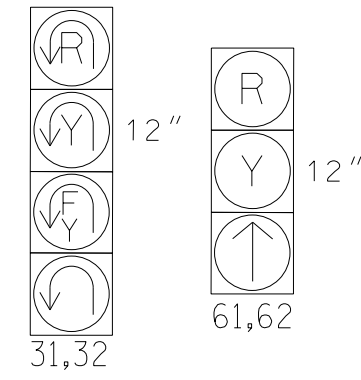


**PHASING DIAGRAM DETECTION LEGEND**

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

**SIGNAL FACE I.D.**

All Heads L.E.D.



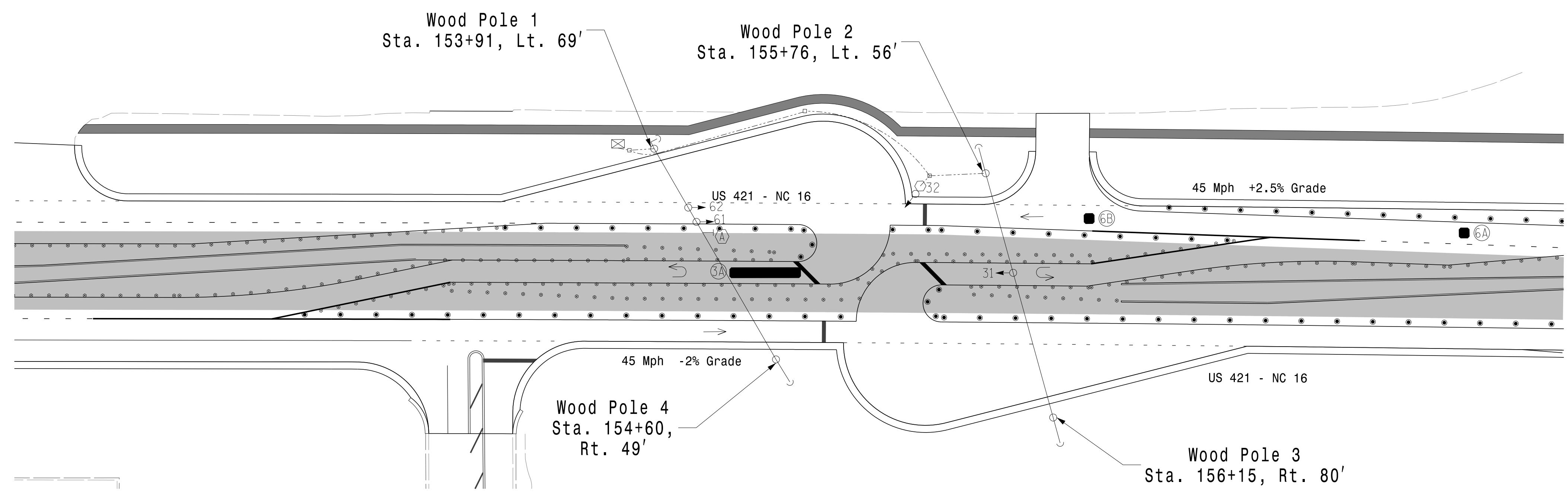
SIGNAL FACE	PHASE		
	03	06	11,12
31,32	←	←	←
61,62	→	→	→

MAXTIME DETECTOR INSTALLATION CHART											
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	PROGRAMMING								
			TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD
3A	*	0	*	*	3	15.0	-	X	-	X	*
6A	*	300	*	*	6	-	1.6	X	-	X	*
6B	*	90	*	*	6	-	-	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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
6. Refer to Pavement Marking Plans for proposed stop bar locations.



FEATURE	PHASE	
	3	6
Walk *	-	-
Ped Clear *	-	-
Min Green	7	12
Passage *	2.0	2.0
Max I *	30	60
Yellow Change	3.0	4.3
Red Clear	1.0	1.0
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.

PROPOSED	LEGEND	EXISTING
	Curb Ramp	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Traffic Signal Head	
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Inductive Loop Detector	
	Video Detection Zone	N/A
	Construction Zone	N/A
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Right of Way	
	Temporary Construction Easement	N/A
	Directional Arrow	
	Type II Signal Pedestal	
	No Left Turn Sign (R3-2)	
	Drum	N/A
	Skinny Drum	N/A

Prepared For the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

**New Installation - Temporary Design 1 (Phase 11)**

**US 421-NC 16 at Addison Avenue/ Big Lots Entrance East U-Turn**

Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles

PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma

SEAL

5/24/2023

SCALE: 1" = 40'

REVISIONS: \_\_\_\_\_ INIT. DATE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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