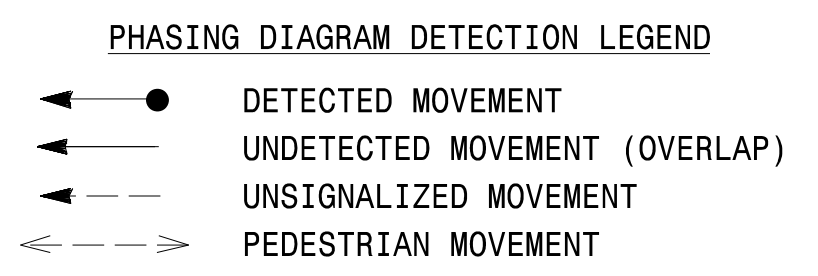
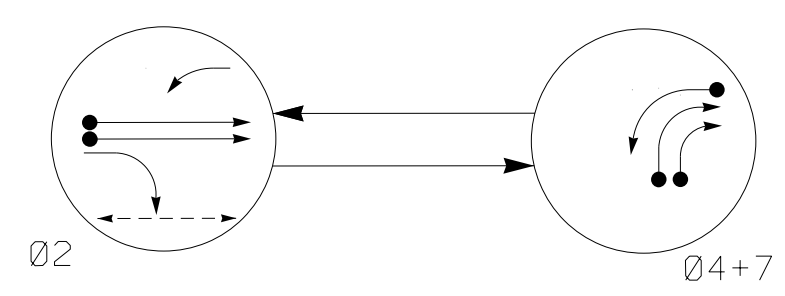


PHASING DIAGRAM



SIGNAL FACE I.D.

All Heads L.E.D.

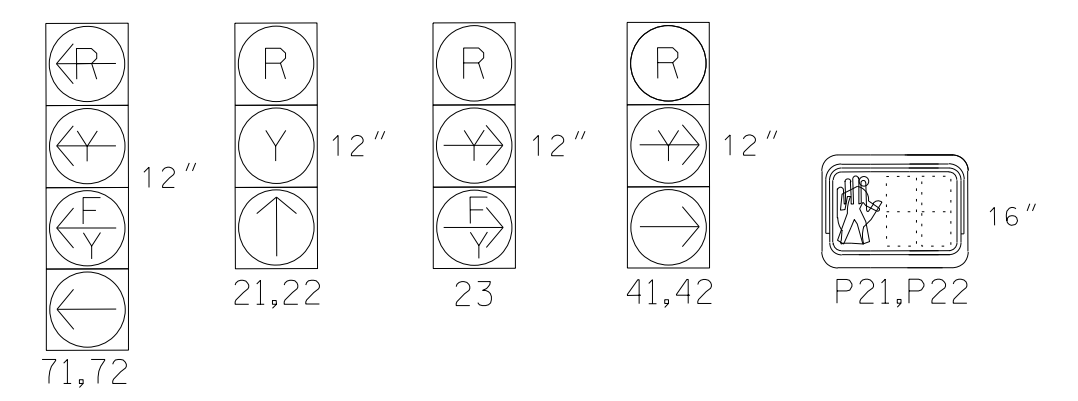


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	04+7	FLIGHT
21,22	↑	R	Y
23	↓	R	Y
41,42	R	→	R
71,72	↓	←	Y
P21,P22	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART

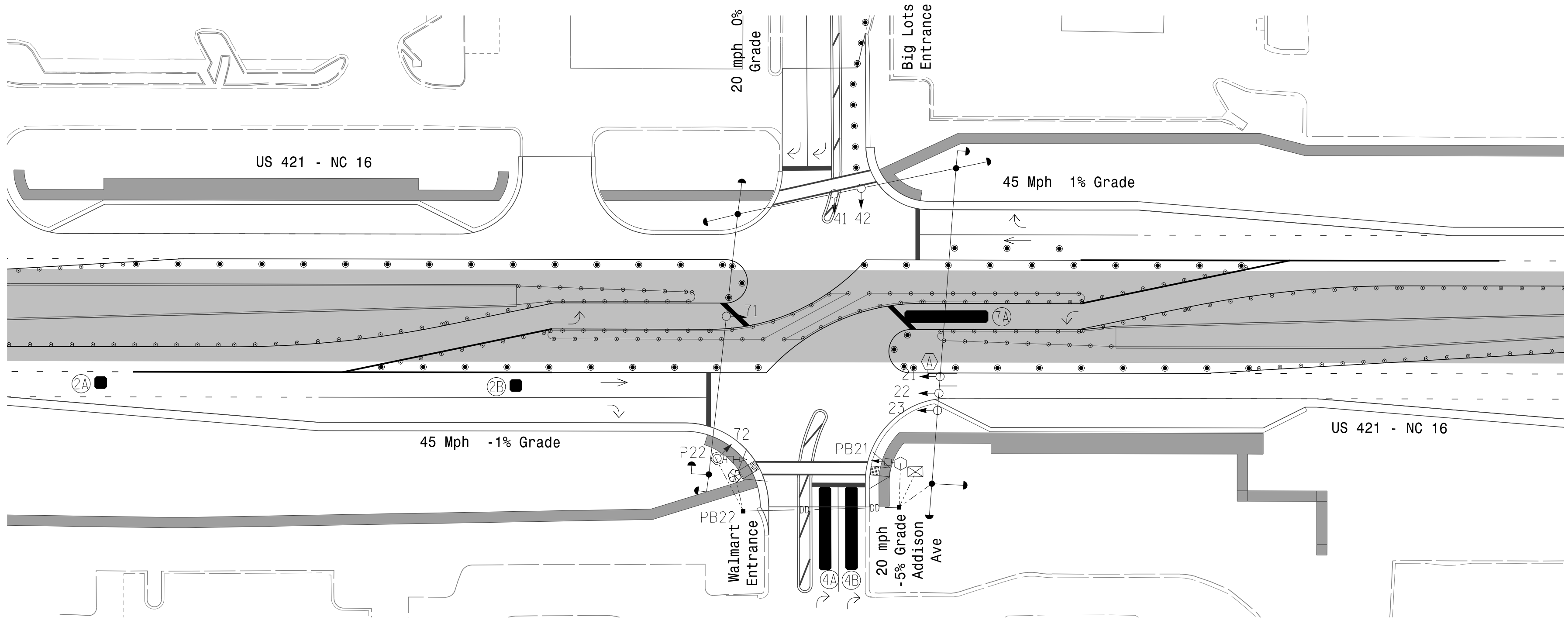
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A	*	300	*	*	2	-	1.6	X	-	-	-	*
2B	*	90	*	*	2	-	-	X	-	-	-	*
4A	*	0	*	*	4	15.0	-	X	-	X	-	*
4B	*	0	*	*	4	15.0	-	X	-	X	-	*
7A	*	0	*	*	7	15.0	-	X	-	X	-	*

*Video Detection Zone

8 Phase Fully Actuated US 421-NC 16 Closed Loop System

NOTES

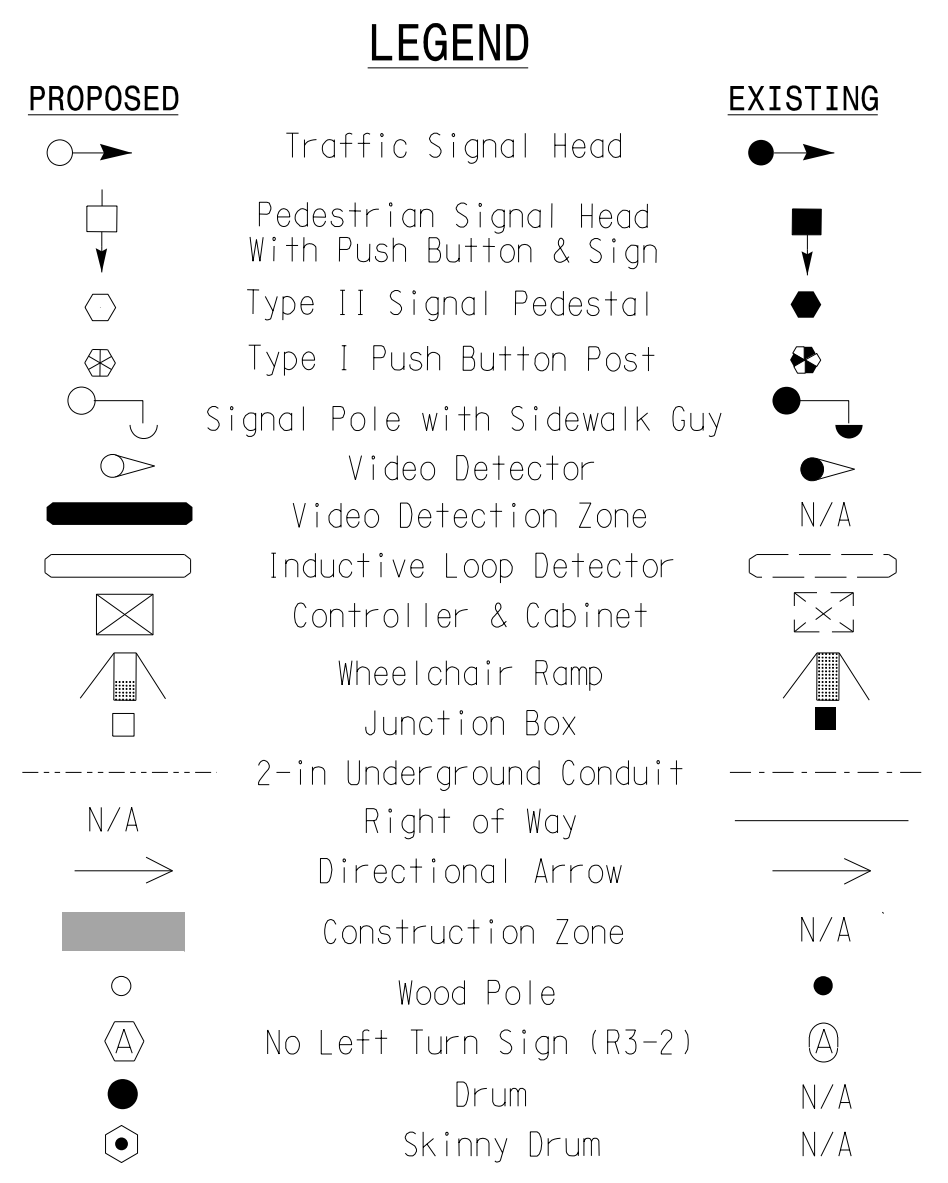
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Omit "walk" and flashing "Don't Walk" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- To provide a leading pedestrian interval on phase 6, program FYA heads 71,72 and 22 to delay for 3 seconds after the start of the phase 6 walk interval. See electrical details.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Refer to Pavement Marking Plans for proposed stop bar locations.



MAXTIME TIMING CHART

FEATURE	PHASE		
	2	4	7
Walk *	7	-	-
Ped Clear *	12	-	-
Min Green	12	7	7
Passage *	2.0	2.0	2.0
Max I *	60	30	30
Yellow Change	4.6	3.0	3.0
Red Clear	1.2	2.1	2.4
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	**	-	-
Non Lock Detector	-	X	X
Vehicle Recall	MIN RECALL	-	-
Dual Entry	-	X	X

* 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.
 ** See note 7



New Installation - Temporary Design 1 (Phase 11)

US 421-NC 16 at Addison Ave/Walmart Entrance

Division 11 Wilkes County Wilkesboro

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

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

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1" = 40'

DocuSigned by: S.R. Chiluka 5/26/2023

SIG. INVENTORY NO. II-1463TI

3/28/2023 12:47:39 PM R:\Traffic\Signals\Design\Temporary Signal Design\11463T_sig_dsn_202305.dgn schiluka

