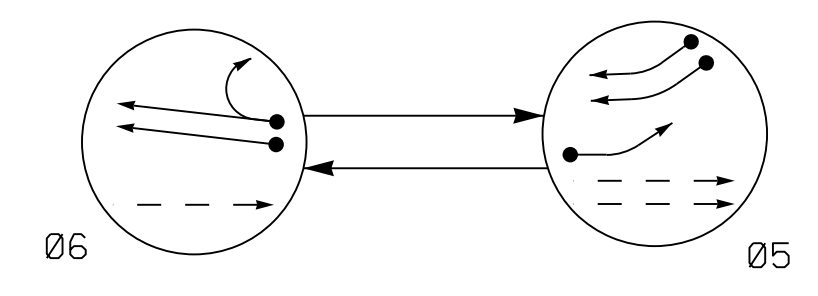


PHASING DIAGRAM



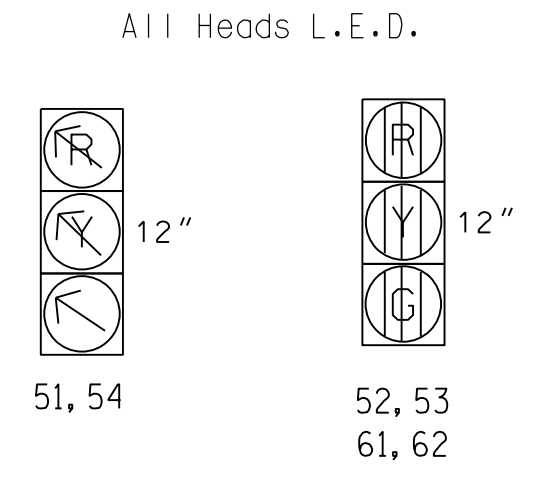
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	05	06	FLASH
51, 54	R	R	R
52, 53	G	R	R
61, 62	R	G	Y

SIGNAL FACE I.D.



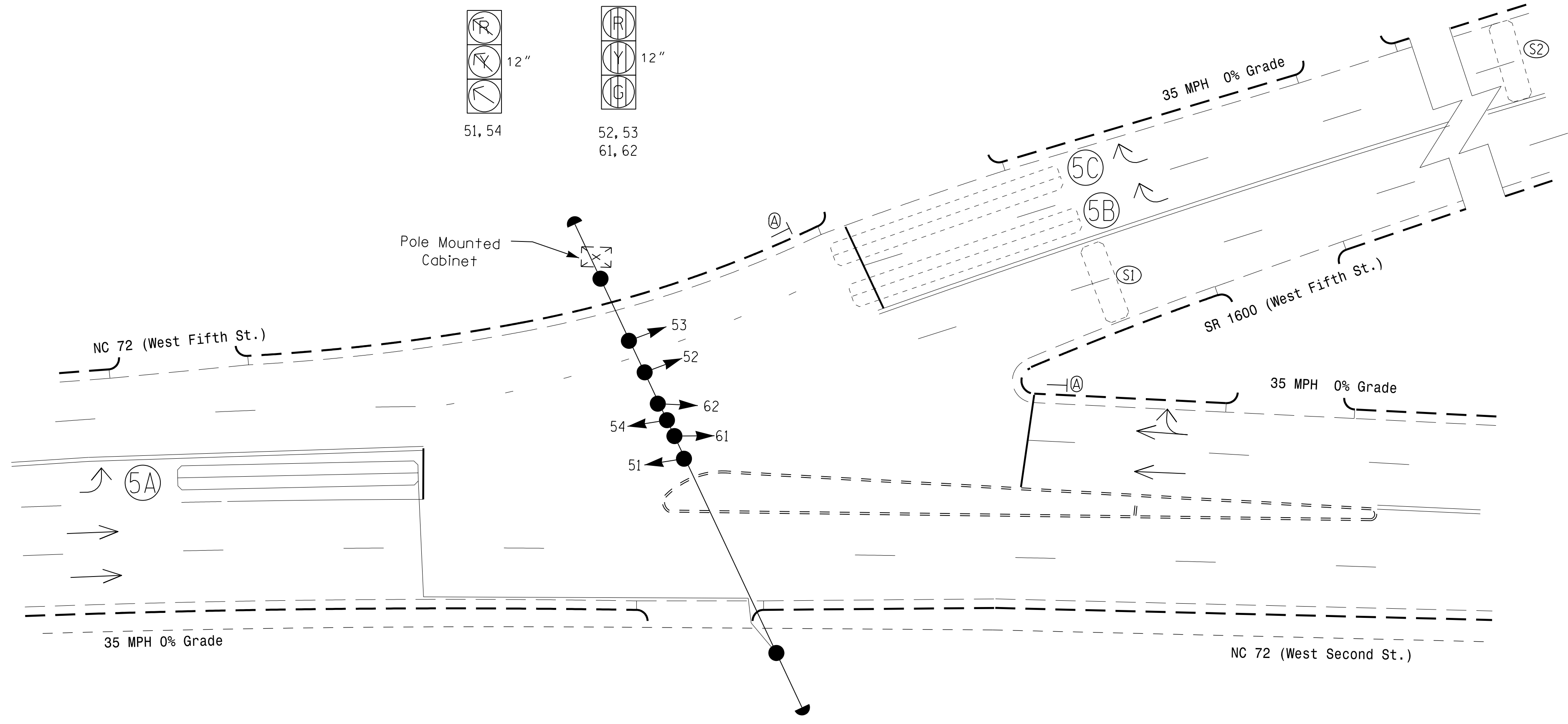
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DETECTOR			PROGRAMMING						SYSTEM LOOP	NEW CARD
		DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE		
5A	6X40	0	2-4-2	X	5	Yes	-	-	-	N	-	-
5B	6X60	+5	2-4-2	-	5	Yes	-	-	-	N	-	-
5C	6X60	+5	2-4-2	-	5	Yes	-	-	-	N	-	-
S1	6X20	+180	EXIST	-	-	No	-	-	-	N	X	-
S2	6X20	200	EXIST	-	-	No	-	-	-	N	X	-

2 Phase Semi-Actuated Signal System #D06-24 Lumberton NC 41-72 (Second St.)

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.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

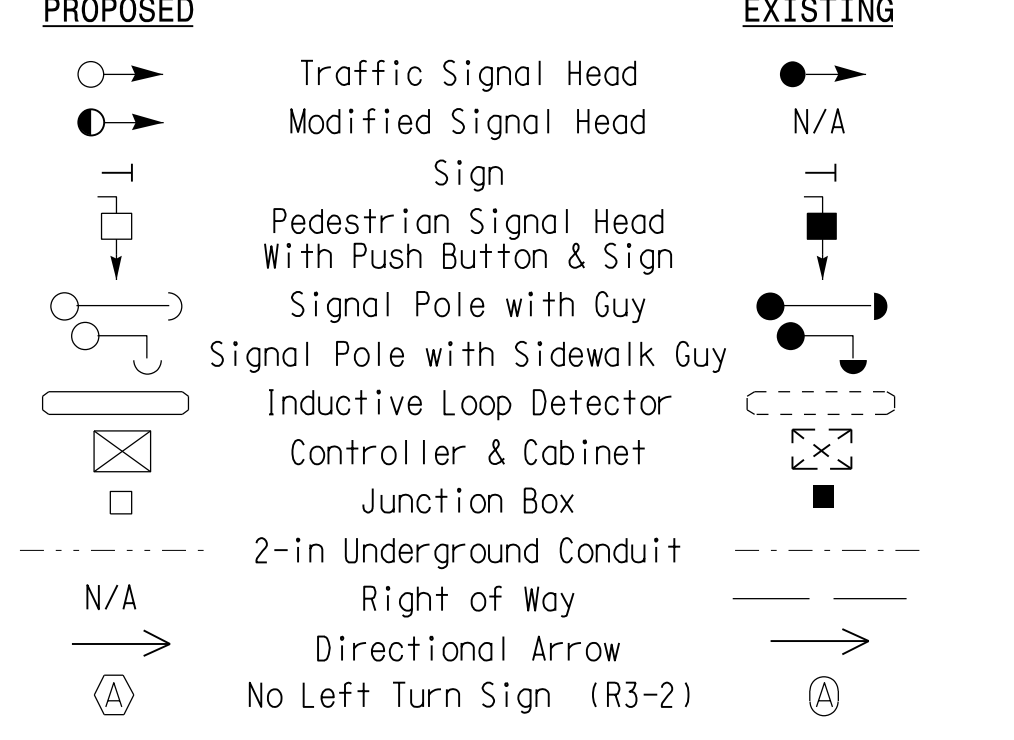


ASC/3 TIMING CHART

FEATURE	PHASE	
	5	6
Min Green *	7	10
Walk *	-	-
Ped Clear	-	-
Veh. Extension *	2.0	-
Max I *	25	35
Yellow	3.8	3.8
Red Clear	3.9	3.1
Red Revert	2.0	2.0
Actuations B4 Add *	-	-
Seconds / Actuation *	-	-
Max Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Locking Detector	-	-
Recall Position	-	MAX RECALL
Dual Entry	-	-
Simultaneous Gap	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.

LEGEND



Final Design

NC 72 (West Fifth St.) / (West Second St.) at SR 1600 (West Fifth St.)

Division 6 Robeson County Lumberton

PLAN DATE: FEBRUARY 2023 REVIEWED BY: R M Muncey

PREPARED BY: J. Hambricht REVIEWED BY: D Waller

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: Regina M. Muncey 2/2/2023

SIGNATURE DATE

SIG. INVENTORY NO. 06-0331

43239.DWG DATE 02/02/2023
 User: r.muncey