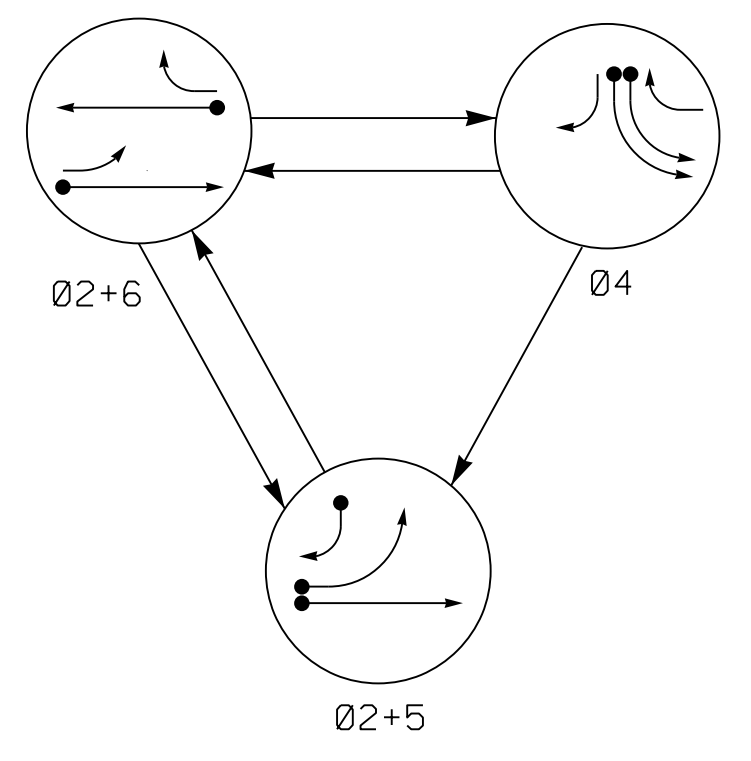


PHASING DIAGRAM



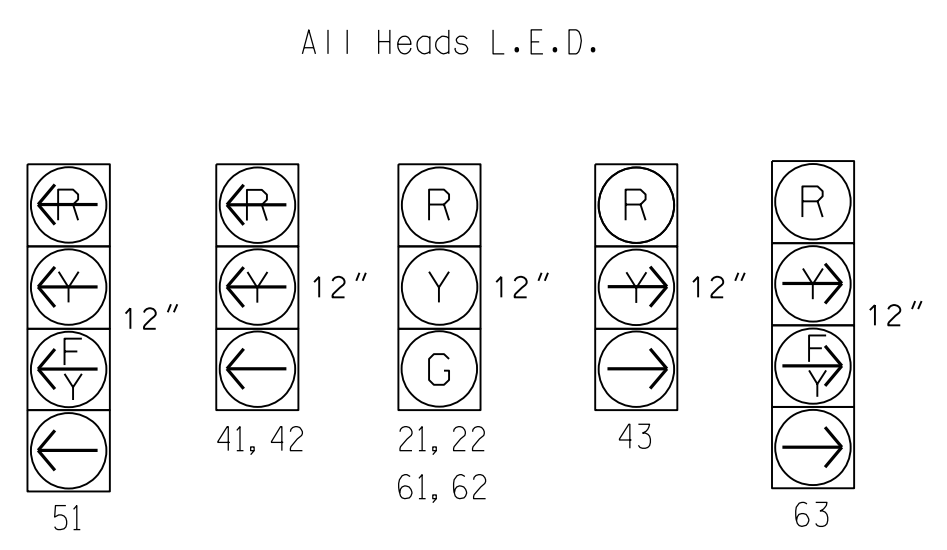
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLIGHTS
21, 22	G	G	R	Y
41, 42	R	R	L	R
43	—	R	—	R
51	—	F	R	Y
61, 62	R	G	R	Y
63	R	F	—	Y

SIGNAL FACE I.D.



ASC/3 DETECTOR INSTALLATION CHART

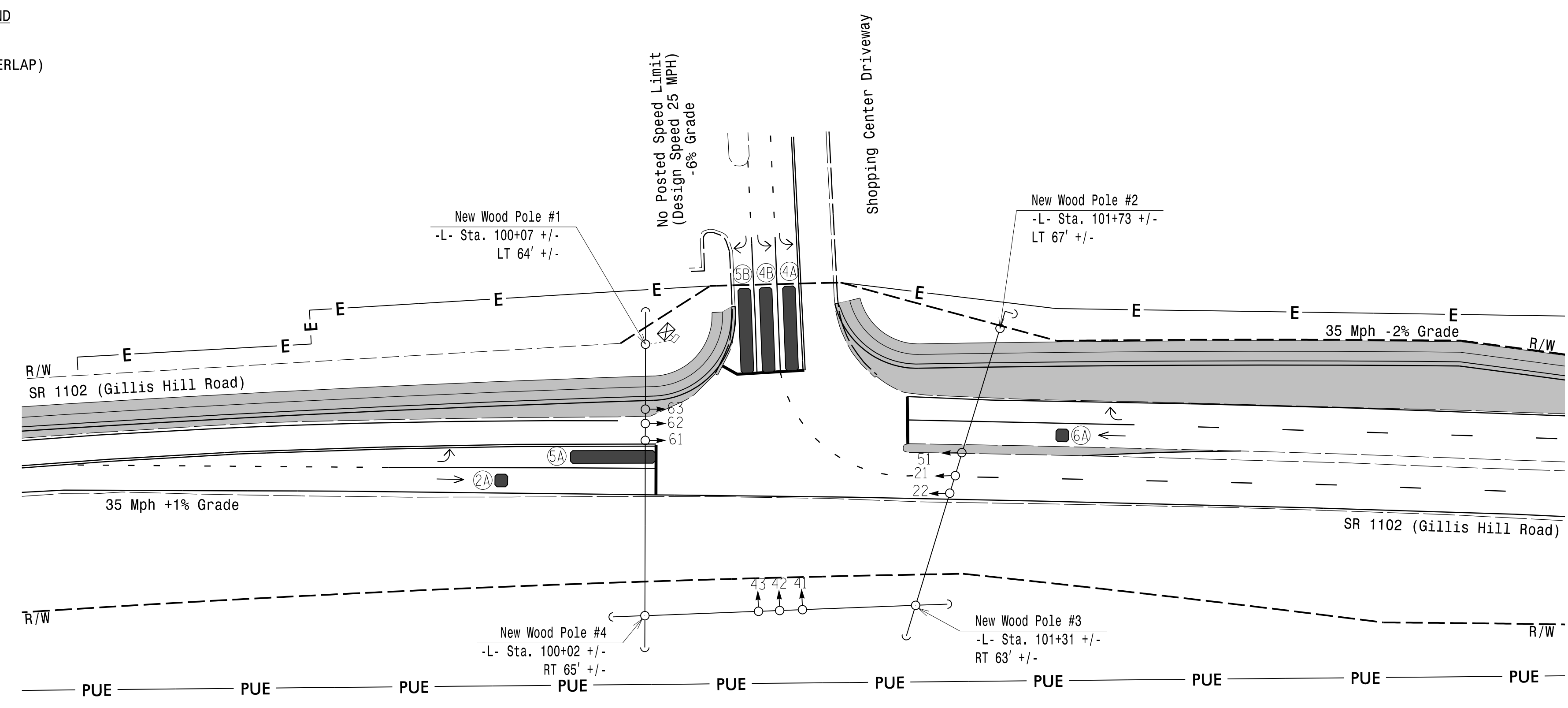
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	LOOP	NEW CARD
2A	6X6	70	*	*	2	YES	-	-	-	N	-	*
4A	6X40	0	*	*	4	YES	-	3	-	N	-	*
4B	6X40	0	*	*	4	YES	-	-	-	N	-	*
5A	6X40	0	*	*	5	YES	-	15	-	N	-	*
5B	6X40	0	*	*	5	YES	-	15	-	N	-	*
6A	6X6	70	*	*	6	YES	-	-	-	N	-	*

* Video Detection Zone

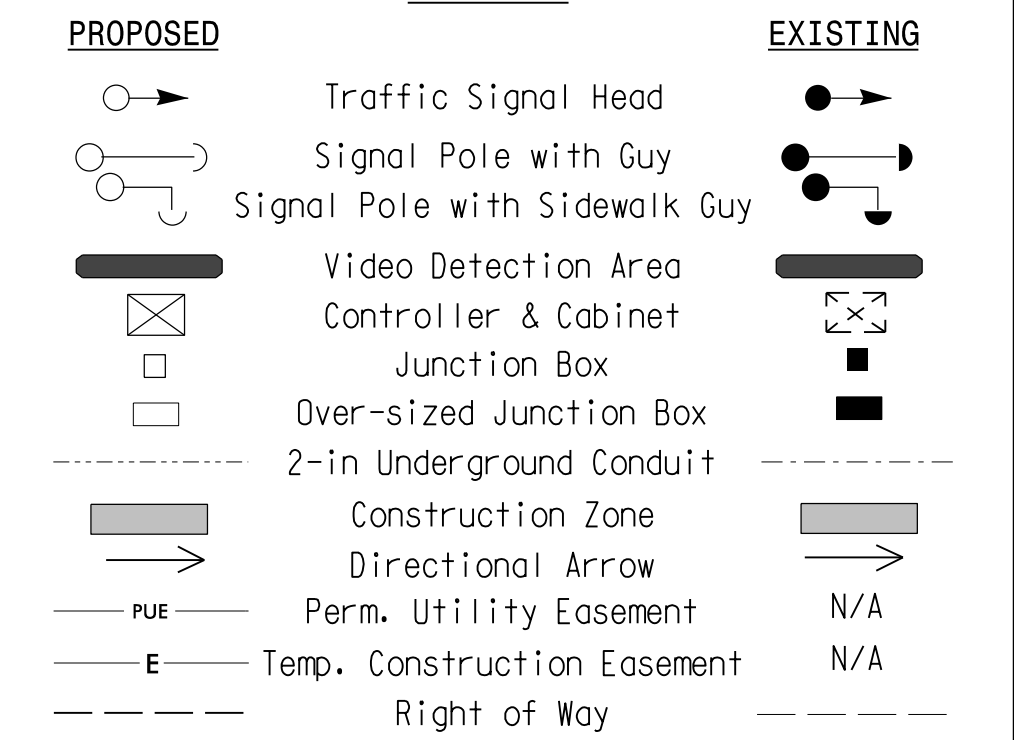
3 Phase Fully Actuated Fayetteville Signal System

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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green *	10	7	7	10
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	3.0	2.0	2.0	3.0
Max 1 *	50	30	20	50
Yellow	4.0	3.1	3.0	4.0
Red Clear	2.0	2.3	2.8	2.0
Actuations B4 Add *	0	-	-	0
Seconds / Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	-	-	-	-
Recall Position	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-
Simultaneous Gap	X	X	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.

Temporary Signal 1 - TCP Phase II

5420 Wade Park Boulevard
Suite 350
Raleigh, NC 27607

SR 1102 (Gillis Hill Road)
at
Shopping Center Driveway

Division 6 Cumberland County Fayetteville

PLAN DATE: January 2022 REVIEWED BY: J. Reid

PREPARED BY: C. Evans REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Jonathan D. Reid
2022.01.05
14:58:56-05:00

REVISIONS	INIT.	DATE

05-JAN-2022 13:10
 R:\Projects\1102\1102_Sig\1102_Sig.dgn
 C:\Users\jreid\Documents\1102_Sig.dgn
 AT C:\Users\jreid\Documents\1102_Sig.dgn