

PHASING DIAGRAM

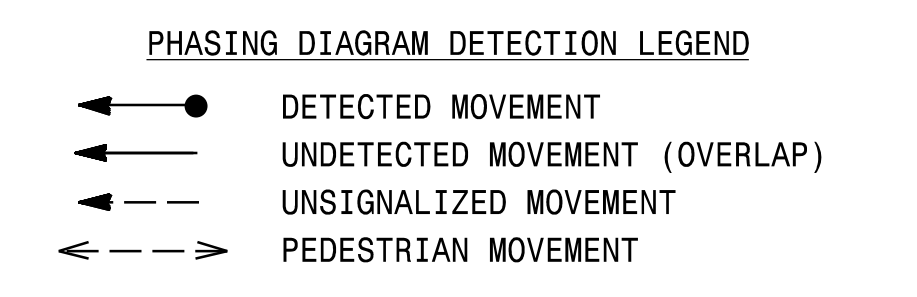
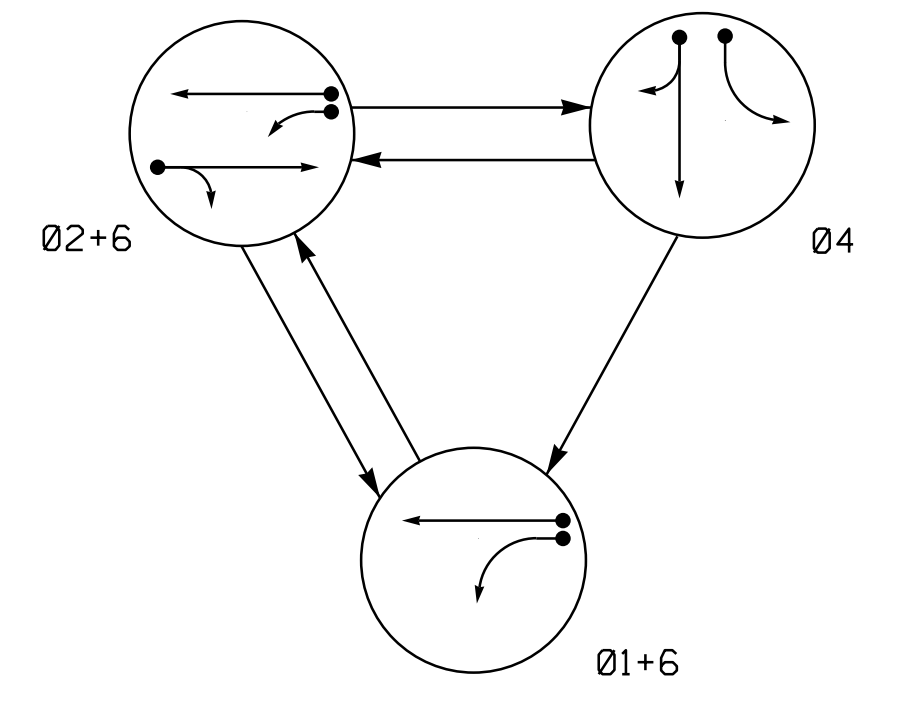
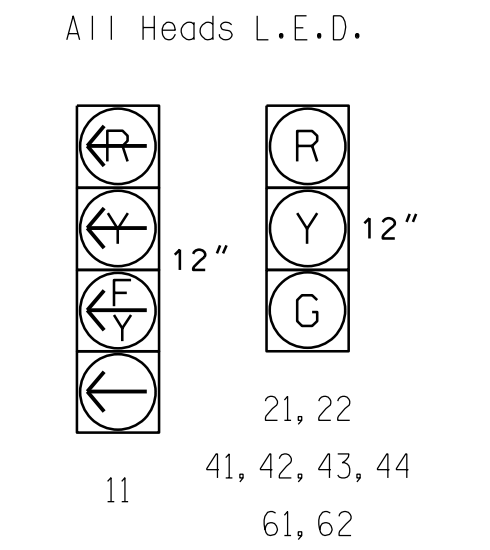


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	04	UNDETECTED
11	←	←	←	←
21, 22	R	G	R	Y
41, 42, 43, 44	R	R	G	R
61, 62	G	G	R	Y

SIGNAL FACE I.D.



ASC/3 DETECTOR INSTALLATION CHART

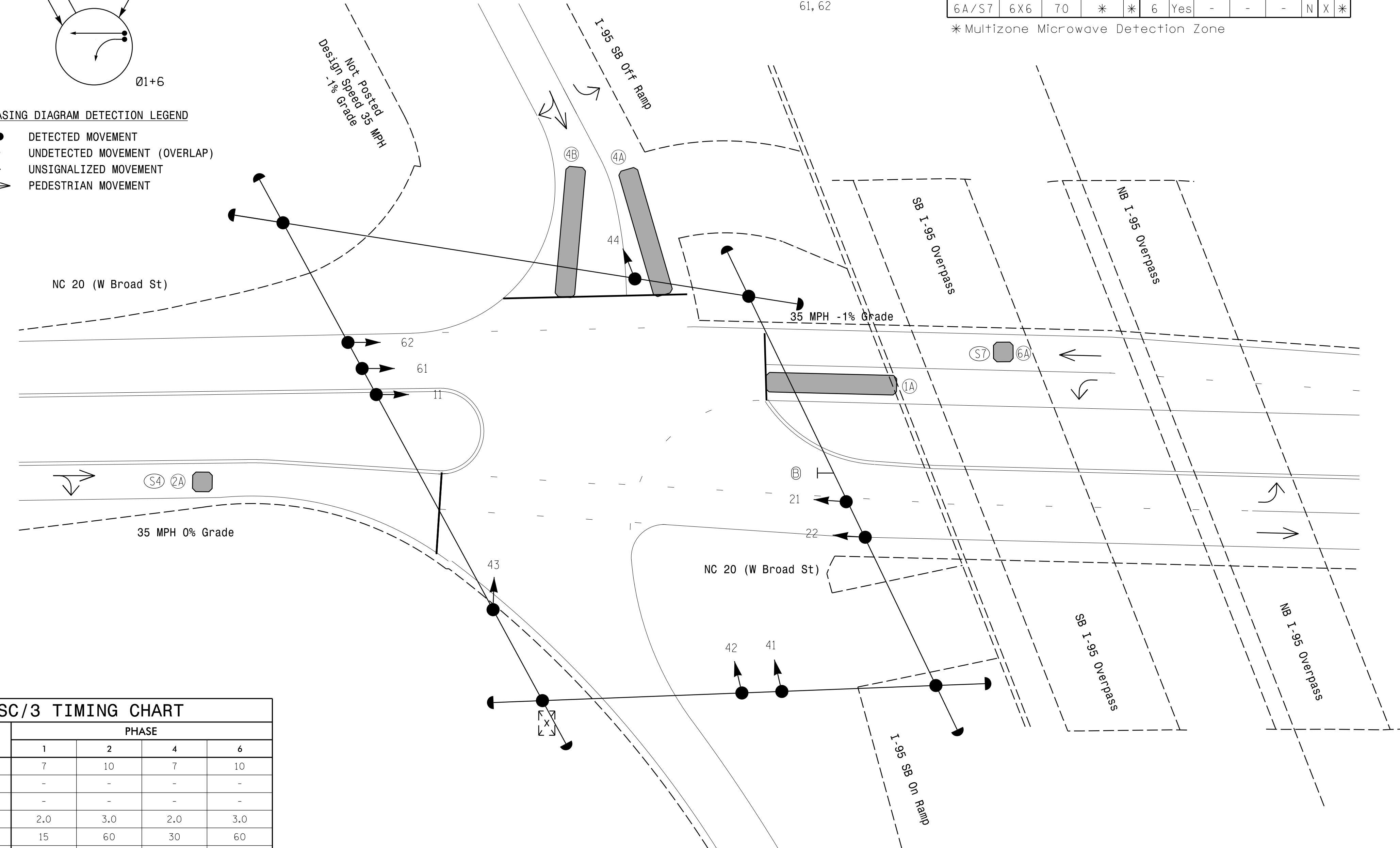
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW ZONE	PROGRAMMING							
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	*	*	1	Yes	-	15	-	N	-	*
2A/S4	6X6	70	*	*	2	Yes	-	-	-	N	X	*
4A	6X40	0	*	*	4	Yes	-	-	-	N	-	*
4B	6X40	0	*	*	4	Yes	-	10	-	N	-	*
6A/S7	6X6	70	*	*	6	Yes	-	-	-	N	X	*

* Multizone Microwave Detection Zone

**3 Phase Fully Actuated
06-21 St. Pauls**

NOTES

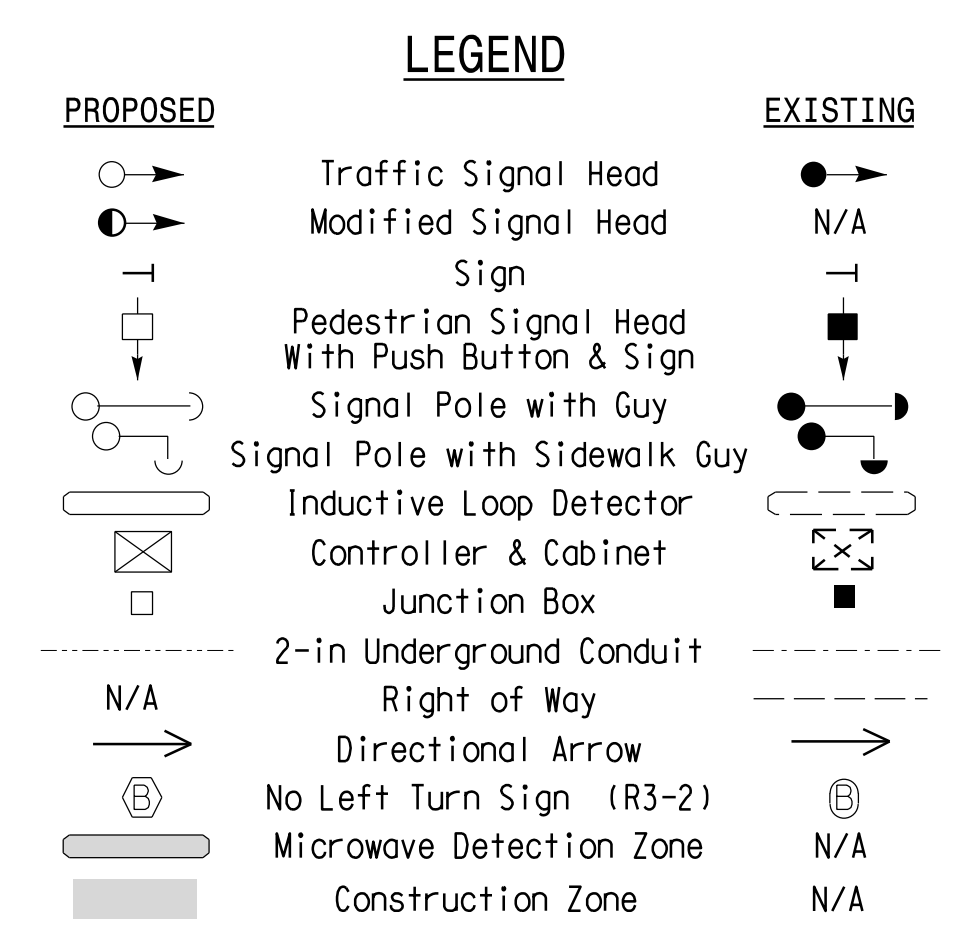
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Reposition existing signals heads numbered 11, 41, 42, 43, 44, 61, and 62.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Closed loop system data: Controller Asset #1365.
- Contractor shall remove and relocate wireless radio/antenna, as required, in order to maintain CLS communication during construction.



ASC/3 TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Min Green *	7	10	7	10
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	2.0	3.0	2.0	3.0
Max 1 *	15	60	30	60
Yellow	3.0	3.9	3.9	3.9
Red Clear	3.1	2.2	1.5	2.2
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	-	X	-	X
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.



**Signal Upgrade
Temporary Design 6 - (TMP Phase 4.2)**

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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	Division 6 Robeson County St. Pauls PLAN DATE: February 2022 REVIEWED BY: WJ Hamilton PREPARED BY: TS Popelka RKA PROJ. NO.: 21031 (040)	REVISIONS INIT. DATE	DATE 02/25/2022