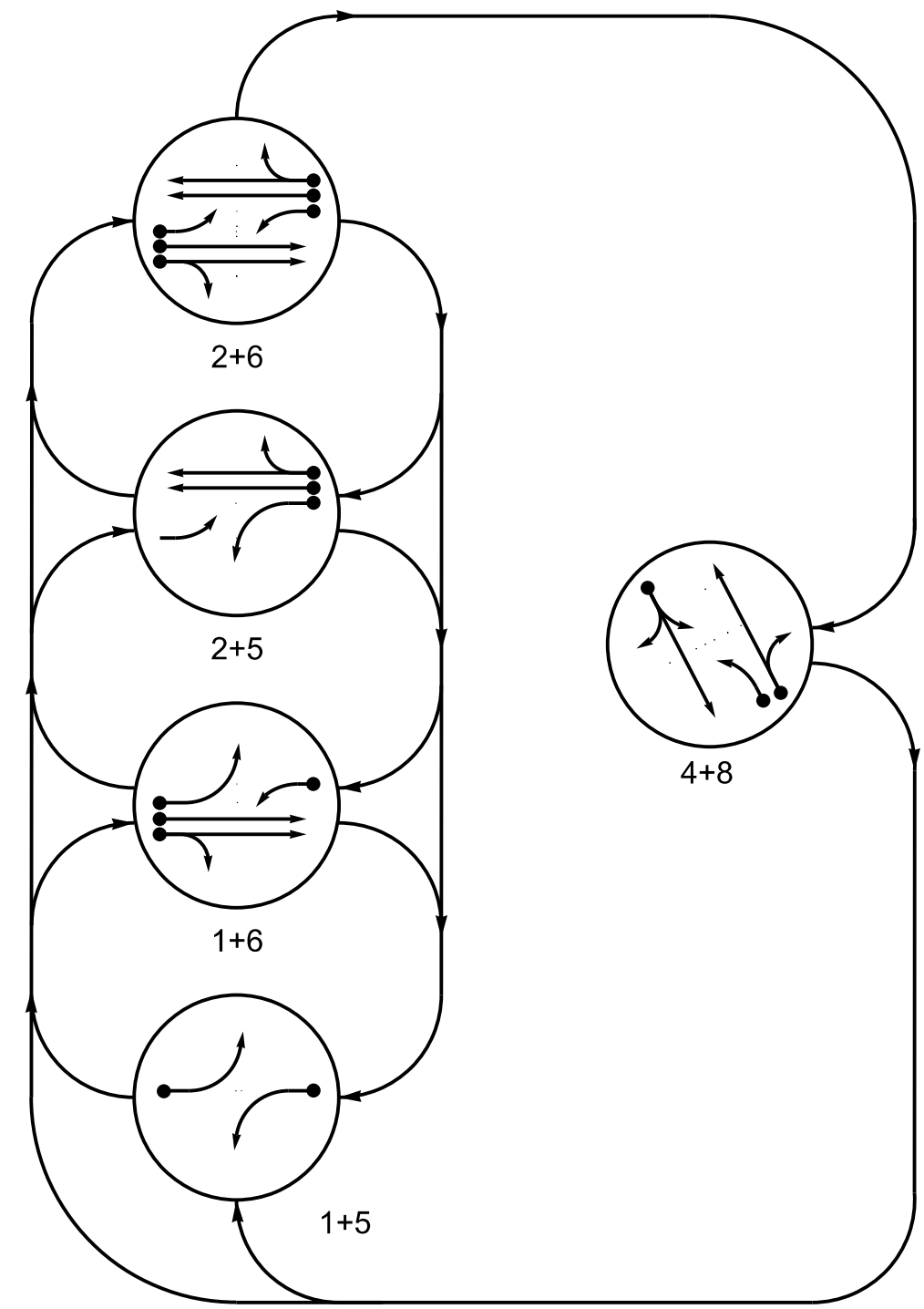
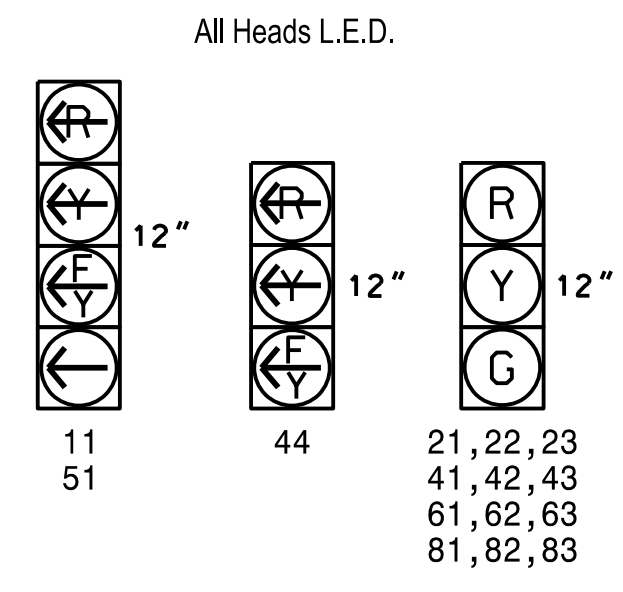


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	1+5	1+6	2+5	2+6	4+8	FLASH
11			F	F	R	R
21,22,23	R	R	G	G	R	R
41,42,43	R	R	R	R	G	R
44	R	R	R	R	F	R
51		F		F	R	R
61,62,63	R	G	R	G	R	R
81,82,83	R	R	R	R	G	R

SIGNAL FACE I.D.



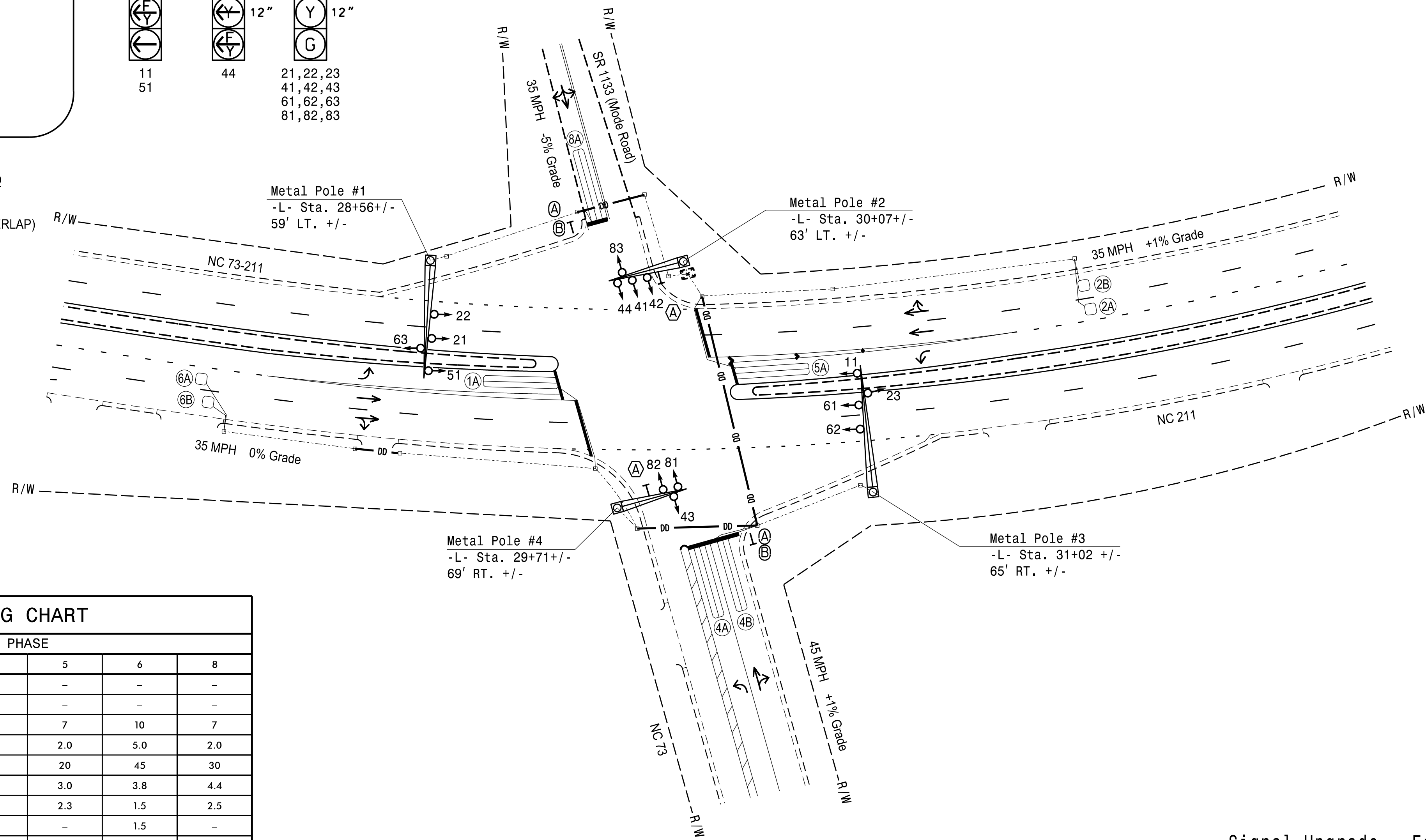
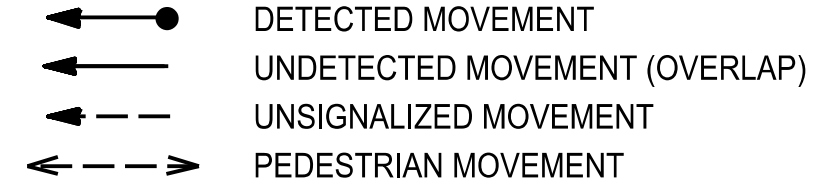
MAXTIME DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	6X40	0	2-4-2	X	1	30.0	-	X	-	X	-	X
2A	6X6	200	4	X	2	-	-	X	X	X	-	X
2B	6X6	200	4	X	2	-	-	X	X	X	-	X
4A	6X40	0	2-4-2	X	4	3.0	-	X	-	X	-	X
4B	6X40	0	2-4-2	X	4	-	-	X	-	X	-	X
5A	6X40	0	2-4-2	X	5	15.0	-	X	-	X	-	X
6A	6X6	200	6	X	6	-	-	X	X	X	-	X
6B	6X6	200	6	X	6	-	-	X	X	X	-	X
8A	6X40	0	2-4-2	X	8	3.0	-	X	-	X	-	X

5 Phase Fully Actuated (Isolated)

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 and/or Phase 5 may be lagged.
- Set all detector units to presence mode.

PHASING DIAGRAM DETECTION LEGEND



FEATURE	PHASE					
	1	2	4	5	6	8
Walk *	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-
Min Green *	7	10	7	7	10	7
Passage *	2.0	5.0	2.0	2.0	5.0	2.0
Max I *	20	45	30	20	45	30
Yellow Change	3.0	3.8	4.4	3.0	3.8	4.4
Red Clear	2.1	1.5	2.5	2.3	1.5	2.5
Added Initial *	-	1.5	-	-	1.5	-
Maximum Initial *	-	24	-	-	24	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	-	X
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-
Dual Entry	-	-	X	-	-	X

* These values may be field adjusted. Do not adjust Min Green and Passage 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	
PROPOSED	EXISTING
	Traffic Signal Head
	Modified Signal Head
	Pedestrian Signal Head
	Signal Pole with Guy
	Signal Pole with Sidewalk Guy
	Inductive Loop Detector
	Controller & Cabinet
	Junction Box
	2-in Underground Conduit
	Right of Way
	Directional Arrow
	Metal Pole with Mastarm
	Directional Drill
	"NO TURN ON RED" Sign (R10-11)
	"STOP HERE ON RED" Sign (R10-6)

Signal Upgrade - Final Design

M M
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 RALEIGH, NC 27606
 License No. F-0669

NC 73-211/NC 211
 at
 NC 73/SR 1133 (Mode Rd)
 Division 8 Moore County West End
 PLAN DATE: June 2024 REVIEWED BY: R. Mullinax
 PREPARED BY: LD Stouchko REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIGNATURE DATE
 SIG. INVENTORY NO. 08-0098