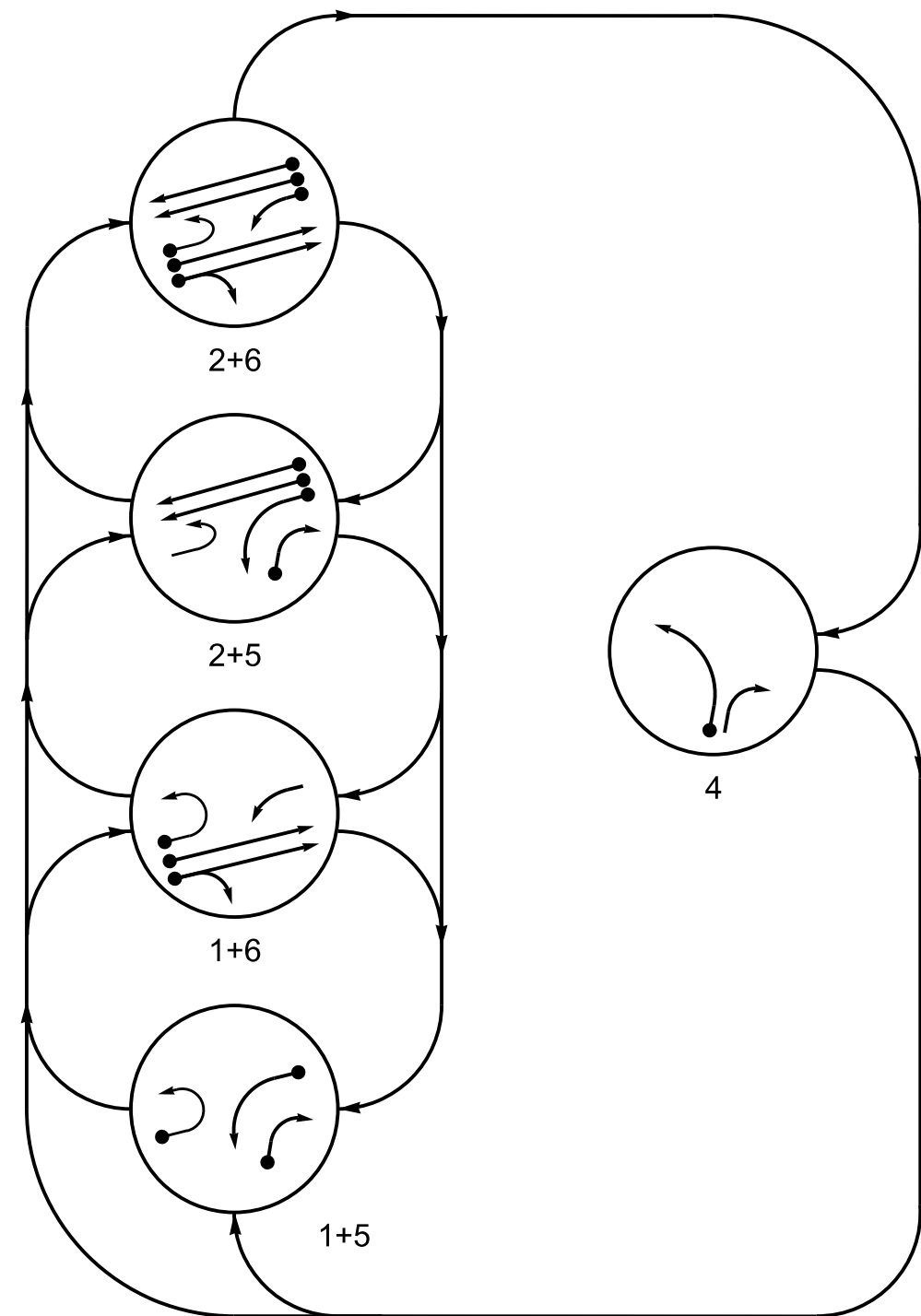


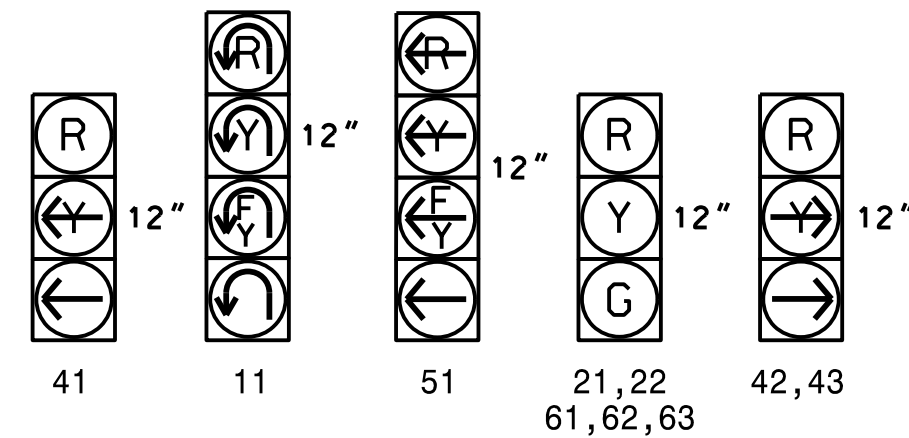
PHASING DIAGRAM



SIGNAL FACE	PHASE				
	1+5	1+6	2+5	2+6	4
11	(R)	(R)	(G)	(G)	(R)
21,22	R	R	G	G	R
41	R	R	R	R	R
42,43	-	R	-	R	-
51	-	F	-	F	R
61,62,63	R	G	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL
1A	6X40	0	2-4-2	X	1	30.0	-	X	-	X
2A	6X6	420	5	X	2	-	-	X	X	X
2B	6X6	420	5	X	2	-	-	X	X	X
4A	6X40	0	2-4-2	X	4	3.0	-	X	-	X
5A	6X40	0	2-4-2	X	5	15.0	-	X	-	X
5B	6X40	0	2-4-2	X	2	3.0	-	X	-	X
6A	6X6	420	6	X	6	-	-	X	X	X
6B	6X6	420	6	X	6	-	-	X	X	X

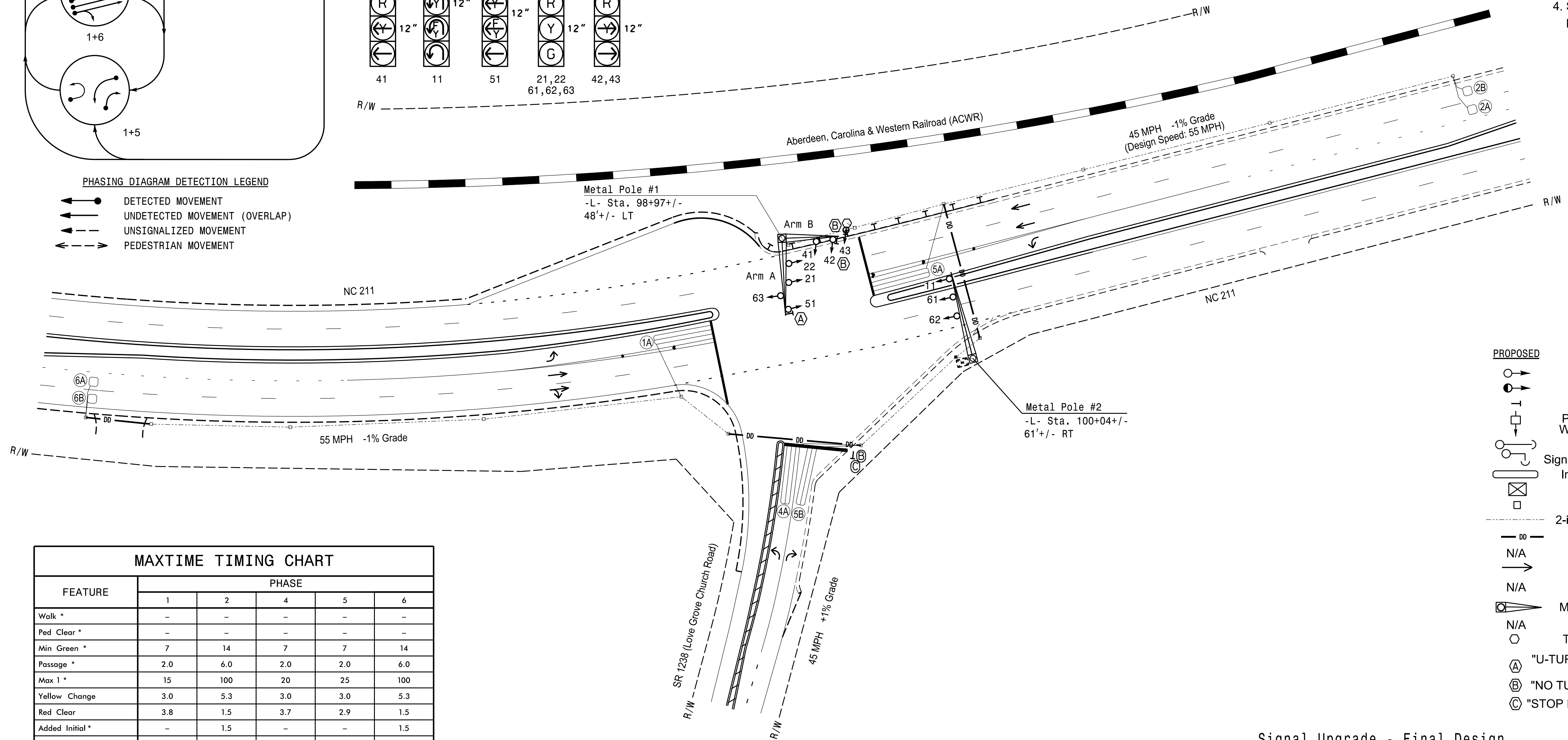
5 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Set all detector units to presence mode.

PHASING DIAGRAM DETECTION LEGEND

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



FEATURE	PHASE				
	1	2	4	5	6
Walk *	-	-	-	-	-
Ped Clear *	-	-	-	-	-
Min Green *	7	14	7	7	14
Passage *	2.0	6.0	2.0	2.0	6.0
Max 1 *	15	100	20	25	100
Yellow Change	3.0	5.3	3.0	3.0	5.3
Red Clear	3.8	1.5	3.7	2.9	1.5
Added Initial *	-	1.5	-	-	1.5
Maximum Initial *	-	46	-	-	46
Time Before Reduction *	-	15	-	-	15
Time To Reduce *	-	45	-	-	45
Minimum Gap	-	3.4	-	-	3.4
Advance Walk	-	-	-	-	-
Non Lock Detector	X	-	X	X	-
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL
Dual Entry	-	-	-	-	-

\* 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                            | ● N/A                           |
| ● Modified Signal Head                           | ○ N/A                           |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ N/A                           |
| ○ Signal Pole with Guy                           | ⊥ Signal Pole with Sidewalk Guy |
| ⊥ Signal Pole with Sidewalk Guy                  | ⊥ N/A                           |
| ⊥ Inductive Loop Detector                        | ⊥ N/A                           |
| ⊥ Controller & Cabinet                           | ⊥ N/A                           |
| ⊥ Junction Box                                   | ⊥ N/A                           |
| ⊥ 2-in Underground Conduit                       | ⊥ N/A                           |
| ⊥ Directional Drill                              | ⊥ N/A                           |
| ⊥ Right of Way                                   | ⊥ N/A                           |
| → Directional Arrow                              | → N/A                           |
| ⊥ Railroad Tracks                                | ⊥ N/A                           |
| ⊥ Metal Pole with Mastarm                        | ⊥ N/A                           |
| ⊥ Guardrail                                      | ⊥ N/A                           |
| ○ Type II Signal Pedestal                        | ○ N/A                           |
| ⊥ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)     | ⊥ (A)                           |
| ⊥ "NO TURN ON RED" Sign (R10-11)                 | ⊥ (B)                           |
| ⊥ "STOP HERE ON RED" Sign (R10-6)                | ⊥ (C)                           |

Signal Upgrade - Final Design

**M M**  
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Prepared for:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529  
 SCALE: 0 40' 1"=40'

NC 211 at SR 1238 (Love Grove Church Rd)  
 Division 8 Moore County West End  
 PLAN DATE: June 2024 REVIEWED BY: R. Mullinax  
 PREPARED BY: LD Stouchko REVIEWED BY:  
 REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 034437  
 LOUIS D. STOUCHKO  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 08-0709