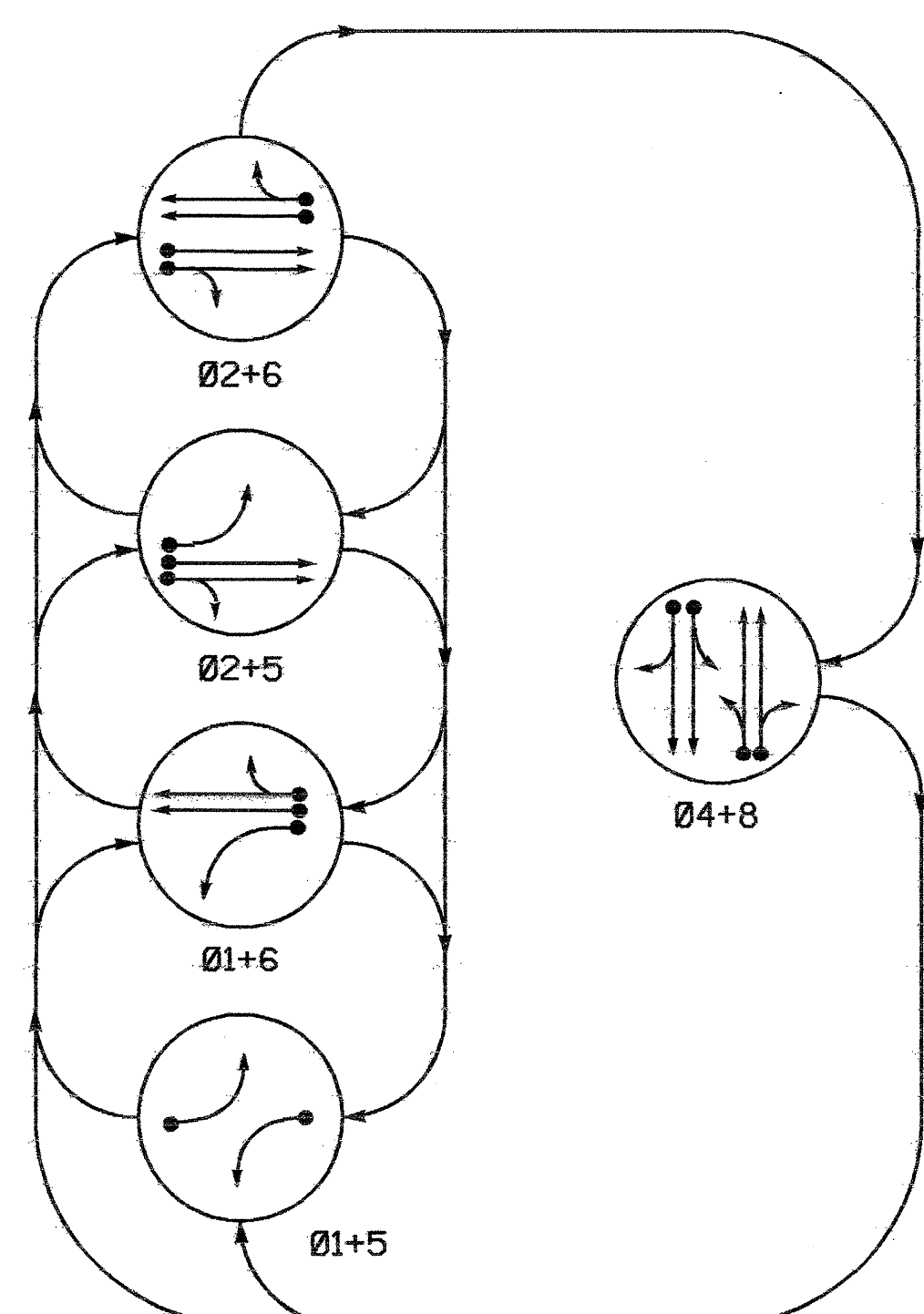


**PHASING DIAGRAM**

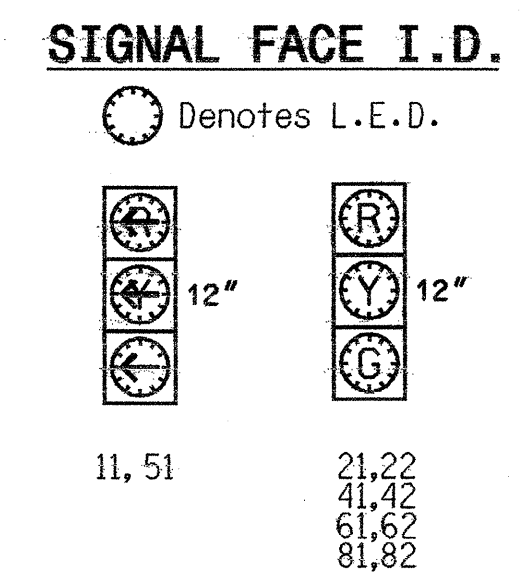


**PHASING DIAGRAM DETECTION LEGEND**

- ● → DETECTED MOVEMENT
- ○ → UNDETECTED MOVEMENT (OVERLAP)
- - - - UNSIGNALIZED MOVEMENT
- - - - PEDESTRIAN MOVEMENT

**TABLE OF OPERATION**

SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8	FLIGHT
11	-	-	R	R	R	R
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	-	R	-	R	R	R
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R



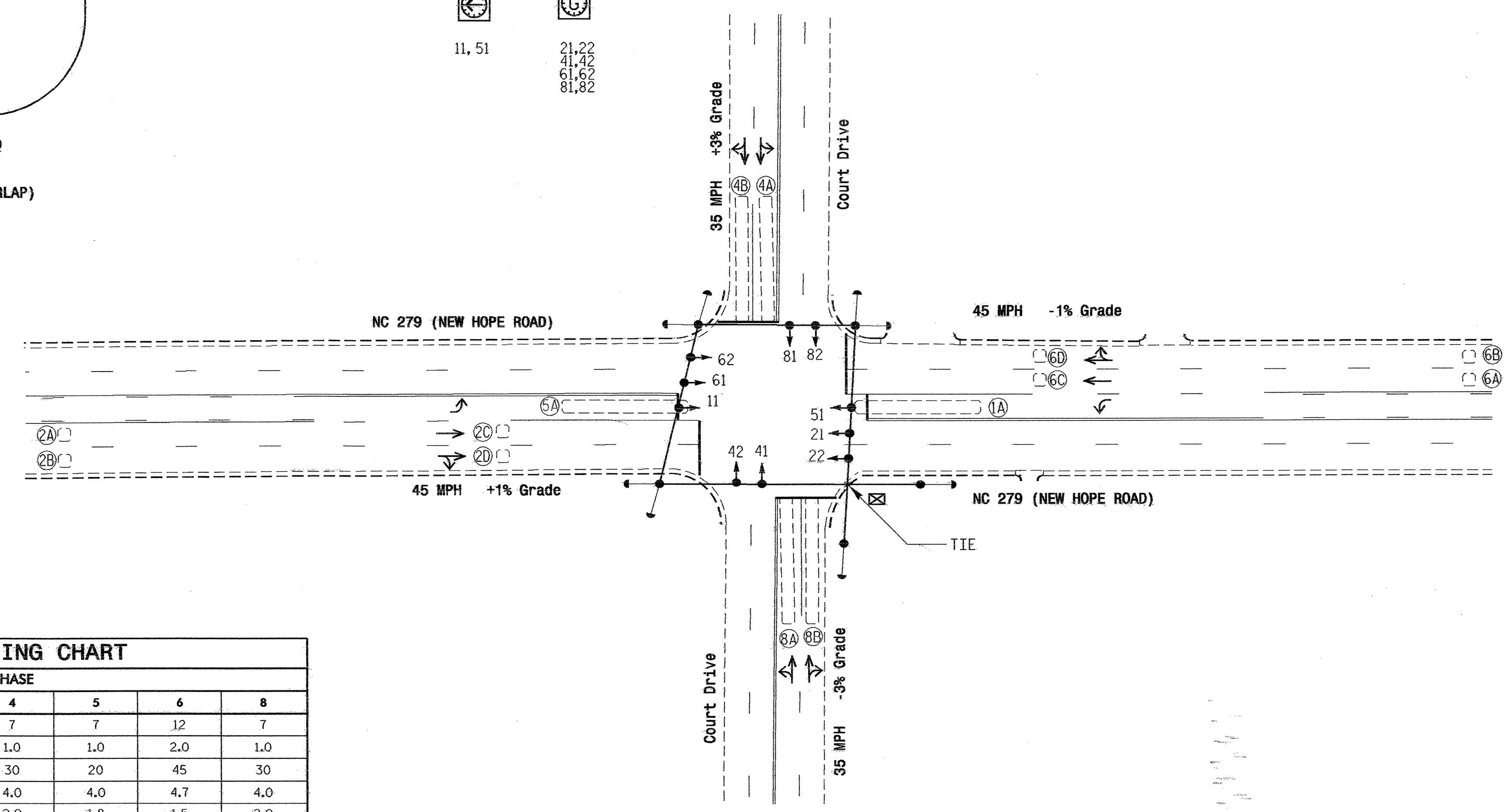
**2070L LOOP & DETECTOR INSTALLATION**

INDUCTIVE LOOPS				DETECTOR PROGRAMMING								
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CAB
1A	Existing	Existing	Existing	-	1	Y	Y	-	-	-	3	Y
2A,2B	Existing	Existing	Existing	-	2	Y	Y	-	-	1.8	-	Y
2C,2D	Existing	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
4A	Existing	Existing	Existing	-	4	Y	Y	-	-	-	3	Y
4B	Existing	Existing	Existing	-	4	Y	Y	-	-	-	10	Y
5A	Existing	Existing	Existing	-	5	Y	Y	-	-	-	3	Y
6A,6B	Existing	Existing	Existing	-	6	Y	Y	-	-	1.8	-	Y
6C,6D	Existing	Existing	Existing	-	6	Y	Y	-	-	-	-	Y
8A	Existing	Existing	Existing	-	8	Y	Y	-	-	-	3	Y
8B	Existing	Existing	Existing	-	8	Y	Y	-	-	-	10	Y

**5 Phase Fully Actuated (Gastonia City System)**

**NOTES**

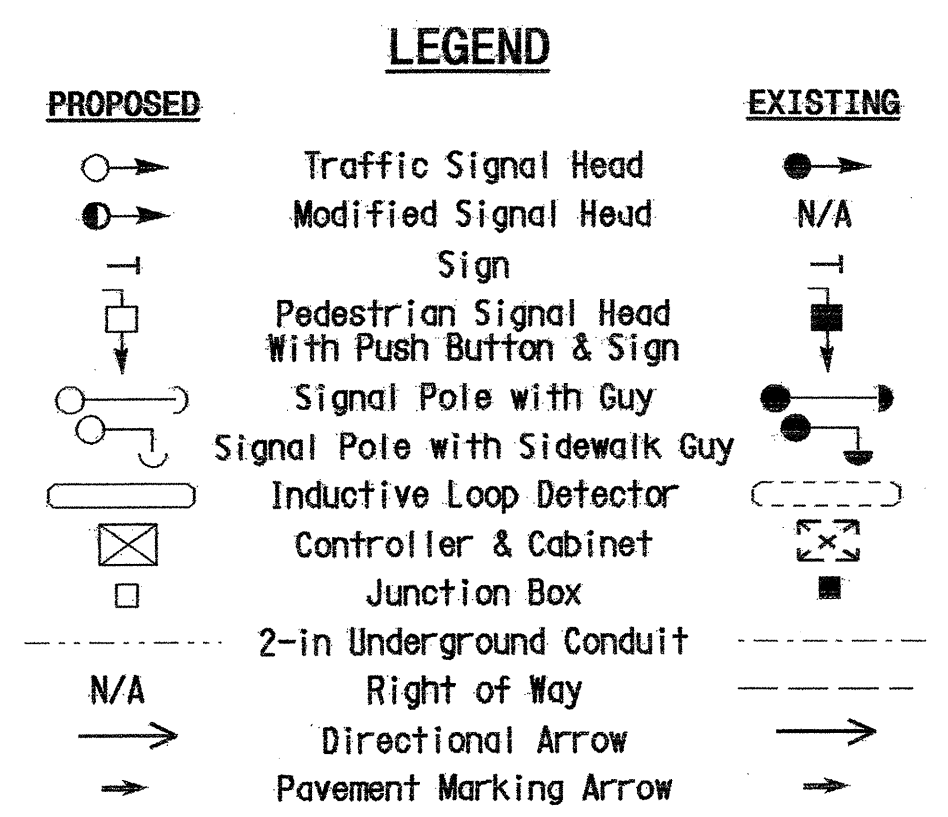
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 or phase 5 may be lagged.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset# 0169.



**2070L TIMING CHART**

FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1*	7	12	7	7	12	7	
Extension 1*	1.0	2.0	1.0	1.0	2.0	1.0	
Max Green 1*	20	45	30	20	45	30	
Yellow Clearance	4.0	4.7	4.0	4.0	4.7	4.0	
Red Clearance	1.7	1.5	2.0	1.8	1.5	2.0	
Walk 1*	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	
Seconds Per Actuation*	-	-	-	-	-	-	
Max Variable Initial*	-	-	-	-	-	-	
Time Before Reduction*	-	-	-	-	-	-	
Time To Reduction*	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	ON	-	-	ON	
Simultaneous Gap	ON	ON	ON	ON	ON	ON	

\* 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**

	<b>NC 279 (New Hope Road) at Court Drive</b>				
	Division 12 Gaston County Gastonia				
	PLAN DATE:	December 2004	REVIEWED BY:		
	PREPARED BY:	Z. M. Little	REVIEWED BY:		D. Ishak
	SCALE:	0 40 1"=40'	REVISIONS:		

13-MAY-2005 09:25  
 Z:\cpeopl\es-un\m\w\gr\groups\m1p\_projects\su-4736\sig\plans\12-0169\12-0169.dgn  
 W:\cpeopl\es-un\m\w\gr\groups\m1p\_projects\su-4736\sig\plans\12-0169\12-0169.dgn