

6 PHASE SEMI-ACTUATED ISOLATED

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Set all detector units to presence mode.
3. Omit Phase 1 during Phase 2 on.
4. Omit Phase 3 during Phase 4 on.
5. Omit Phase 5 during Phase 6 on.
6. Program controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through phase 4+8 (see Electrical Details)
7. Do not program signal for late night flashing operation unless otherwise directed by the engineer.

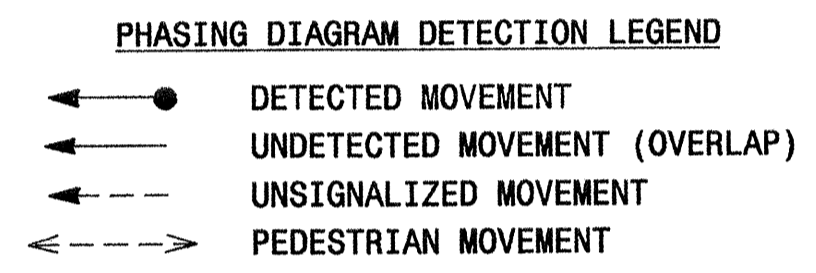
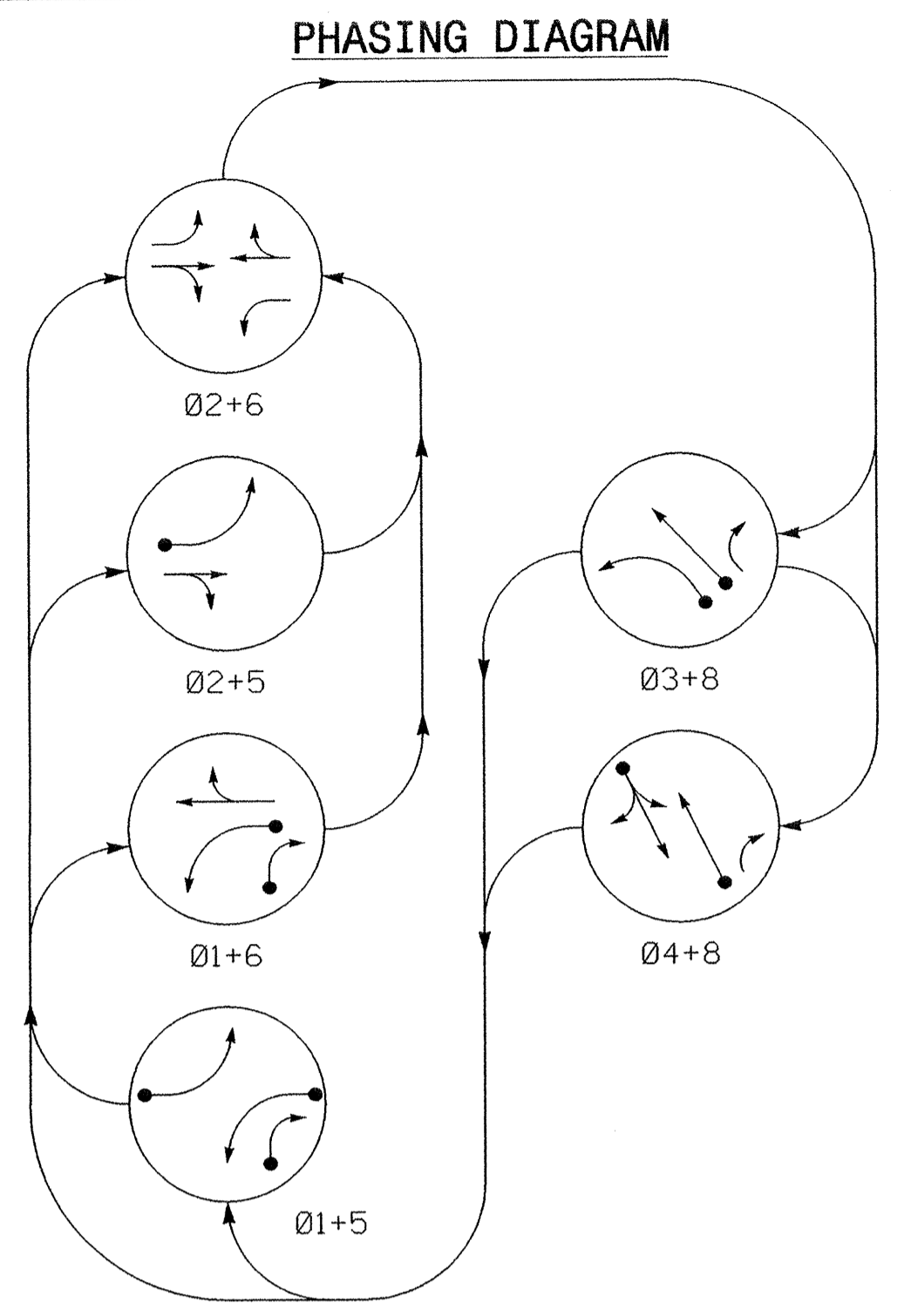
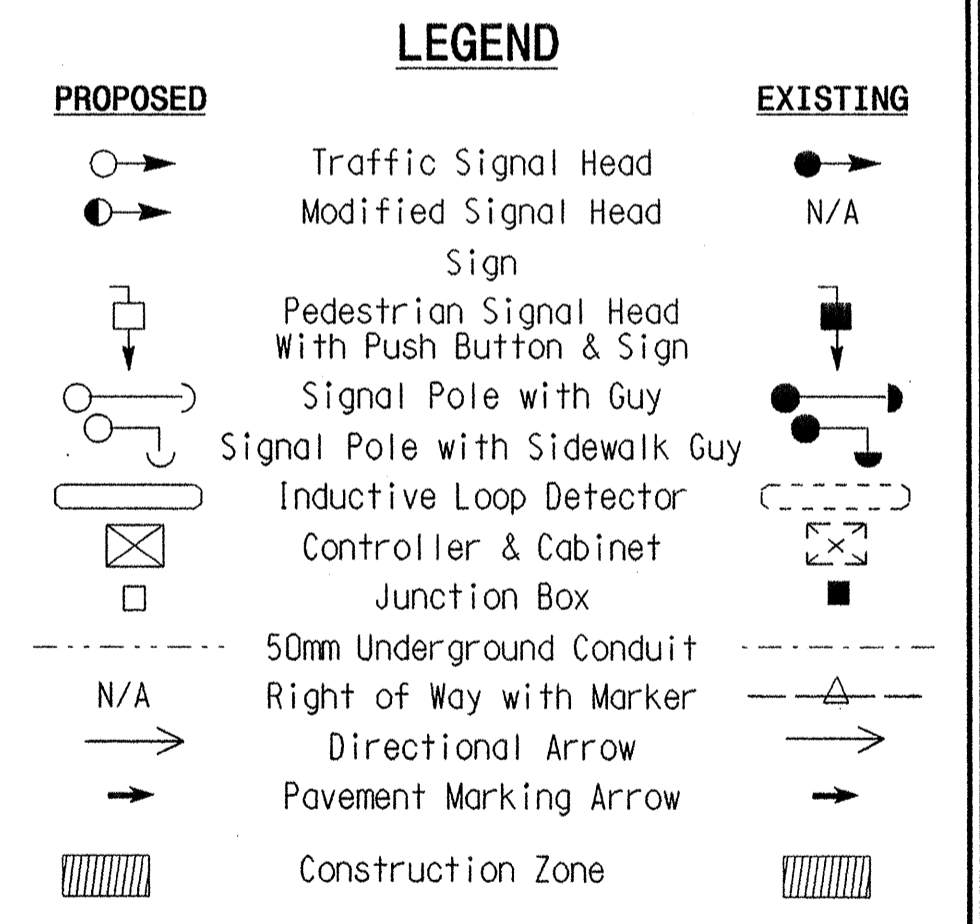
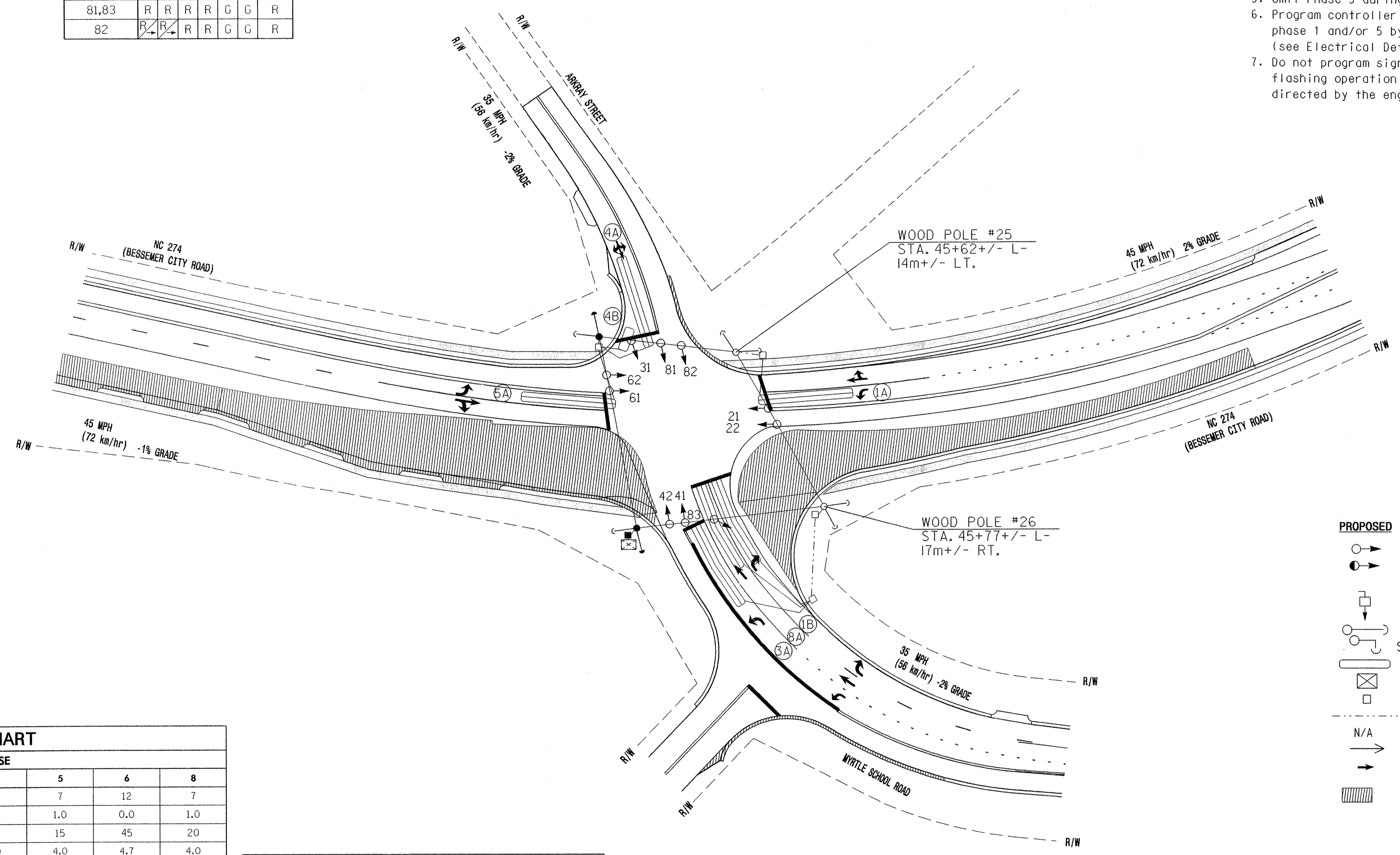
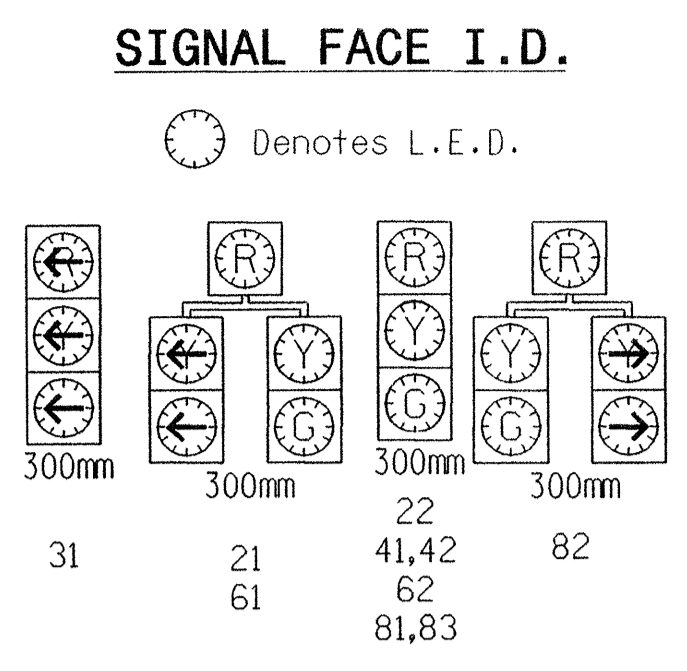


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3+8	Ø 4+8	FL	HD
21	R	R	G	G	R	R	Y	
22	R	R	G	G	R	R	Y	
31	R	R	R	R	R	R		
41,42	R	R	R	R	R	G	R	
61	R	G	R	G	R	R	Y	
62	R	G	R	G	R	R	Y	
81,83	R	R	R	R	G	G	R	
82	R	R	R	R	G	G	R	

PLAN QUANTITIES

Pay Item	Meters
Signal Cable	340
Messenger Cable	135
Loop Lead-in Cable	560



2070L TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	8	
Min Green 1 *	7	12	7	7	7	12	7	
Extension 1 *	1.0	0.0	1.0	1.0	1.0	0.0	1.0	
Max Green 1 *	15	45	15	20	15	45	20	
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7	4.0	
Red Clearance	2.0	1.5	3.0	2.0	2.0	1.5	2.0	
Walk 1 *	-	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	-	
Seconds Per Actuation *	-	-	-	-	-	-	-	
Max Variable Initial *	-	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	-	
Recall Mode	-	MAX RECALL	-	-	-	MAX RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	
Dual Entry	-	-	-	-	-	-	ON	
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	

2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS				DETECTOR PROGRAMMING						
	SIZE (m)	TURNS	DISTANCE FROM STOPBAR (m)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8 X 18	2-4-2	+2	Y	1	Y	Y	-	-	15	-
1B	1.8 X 18	2-4-2	0	Y	1	Y	Y	-	-	15	Y
3A	1.8 X 18	4	0	Y	3	Y	Y	-	-	3	-
4A	1.8 X 18	2-4-2	+2	Y	4	Y	Y	-	-	5	Y
4B	1.8 X 4.5	4	+2	Y	4	Y	Y	-	-	10	Y
5A	1.8 X 18	2-4-2	+2	Y	5	Y	Y	-	-	15	Y
8A	1.8 X 18	2-4-2	0	Y	8	Y	Y	-	-	-	-

* 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 2

Prepared in the Office of:

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N.C. 274 (BESSEMER CITY ROAD) AT ARKRAY ST. & MYRTLE SCHOOL ROAD

DIVISION 12 GASTON COUNTY GASTONIA

PLAN DATE: OCT. 30, 2003 REVIEWED BY: R. DUBNICKA, P.E.

PREPARED BY: RGL REVIEWED BY:

SCALE 1:500

SEAL PROFESSIONAL ENGINEER ROBERT J. DUBNICKA

SIG. INVENTORY NO. 12-0636T2

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