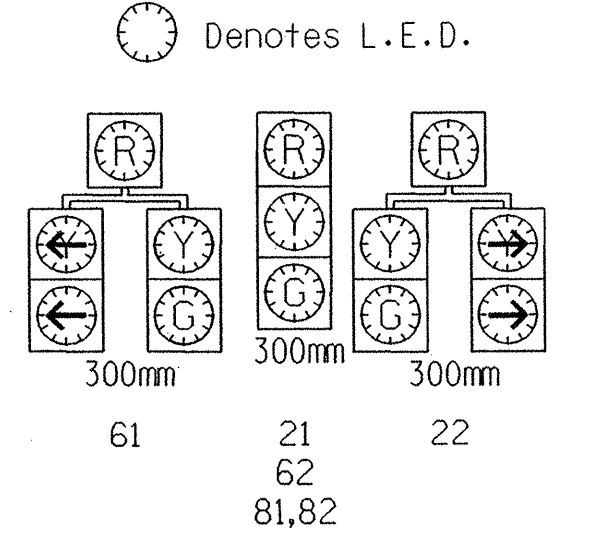


SIGNAL FACE	PHASE			
	01+6	02+6	08	F LECTURE
21	R	G	R	Y
22	R	G	R	Y
61	G	G	R	Y
62	G	G	R	Y
81,82	R	R	G	R

SIGNAL FACE I.D.

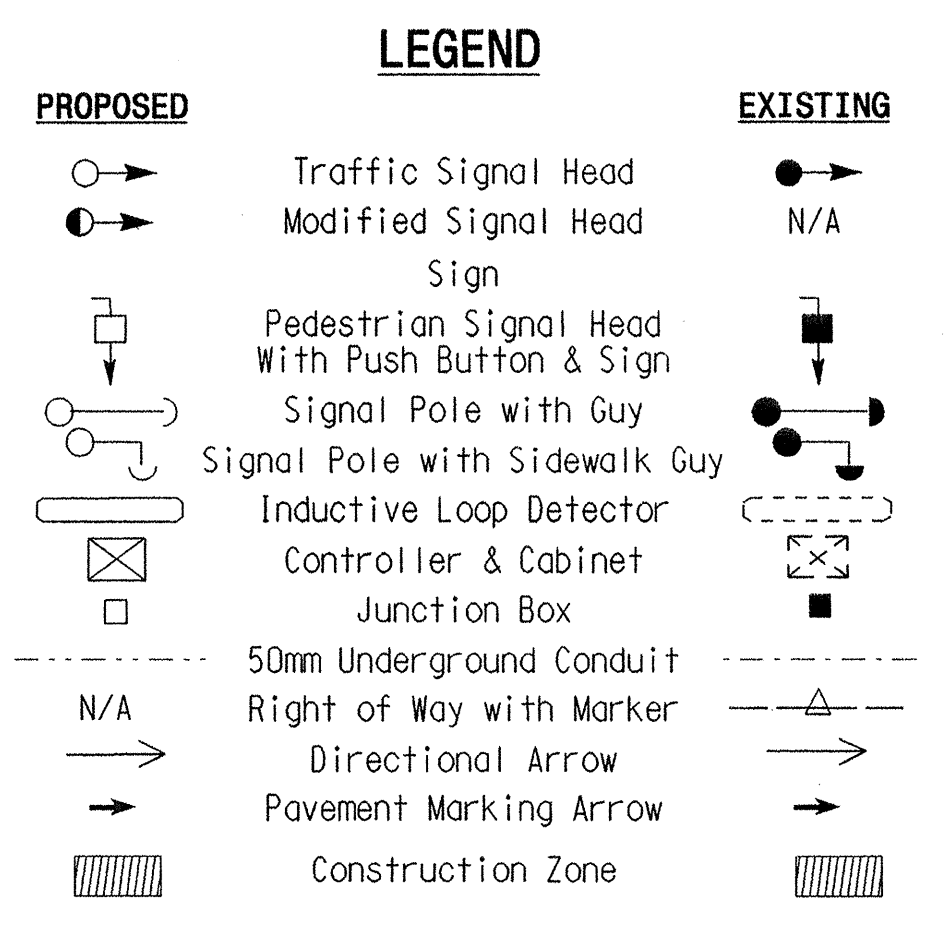
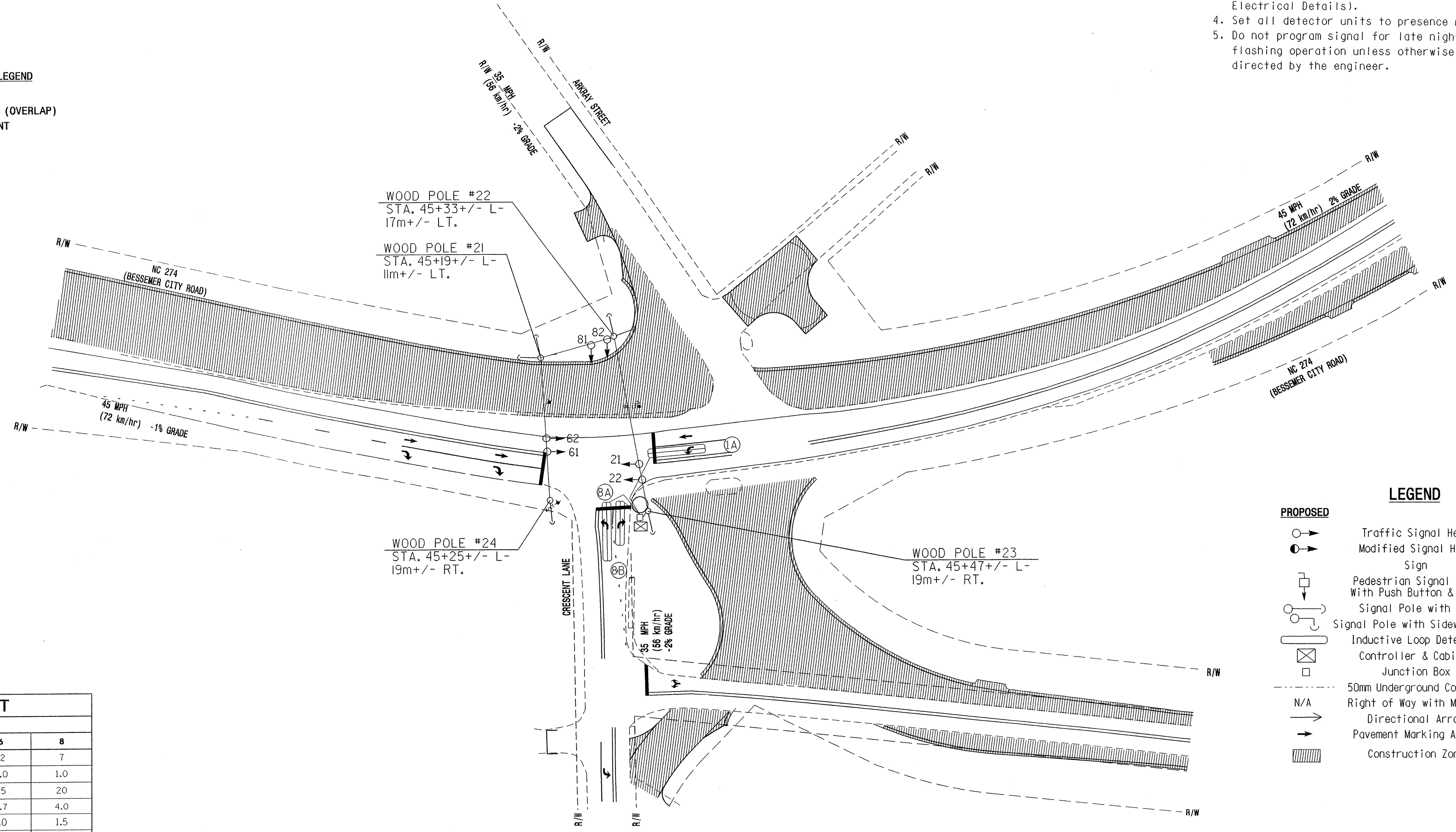
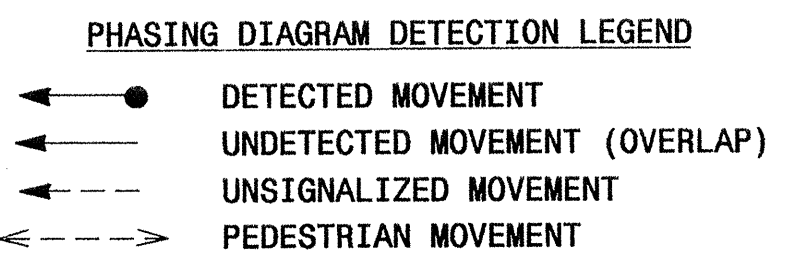


PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	190
Messenger Cable	85
Loop Lead-in Cable	20

3 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. Omit Phase 1 during Phase 2 on.
3. Program controller to clear from phase 2+6 to phase 1 by progressing through phase 8 (see Electrical Details).
4. Set all detector units to presence mode.
5. Do not program signal for late night flashing operation unless otherwise directed by the engineer.



2070L TIMING CHART

FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	12	12	7
Extension 1 *	1.0	0.0	0.0	1.0
Max Green 1 *	15	45	45	20
Yellow Clearance	4.0	4.7	4.7	4.0
Red Clearance	1.0	1.0	1.0	1.5
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	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (m)	TURNS	DISTANCE FROM STOPBAR (m)	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8 X 12	2-4-2	+1	Y	1	Y	Y	-	-	-	15	Y
8A	1.8 X 12	2-4-2	+1	Y	8	Y	Y	-	-	-	3	Y
8B	1.8 X 9	2-4-2	+1	Y	8	Y	Y	-	-	-	15	Y

SIGNAL UPGRADE - TEMPORARY DESIGN 1

Prepared in the Office of:

THE LPA GROUP
TRANSPORTATION CONSULTANTS

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Raleigh, North Carolina 27609

N.C. 274 (BESSEMER CITY ROAD) AT CRESCENT LANE

DIVISION 12 GASTON COUNTY GASTONIA

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

PREPARED BY: RGL REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

ROBERT J. DUBNICKA
PROFESSIONAL ENGINEER
027742

DATE: 8-9-04

SIG. INVENTORY NO. 12-0636T1

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* 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.