

PHASING DIAGRAM

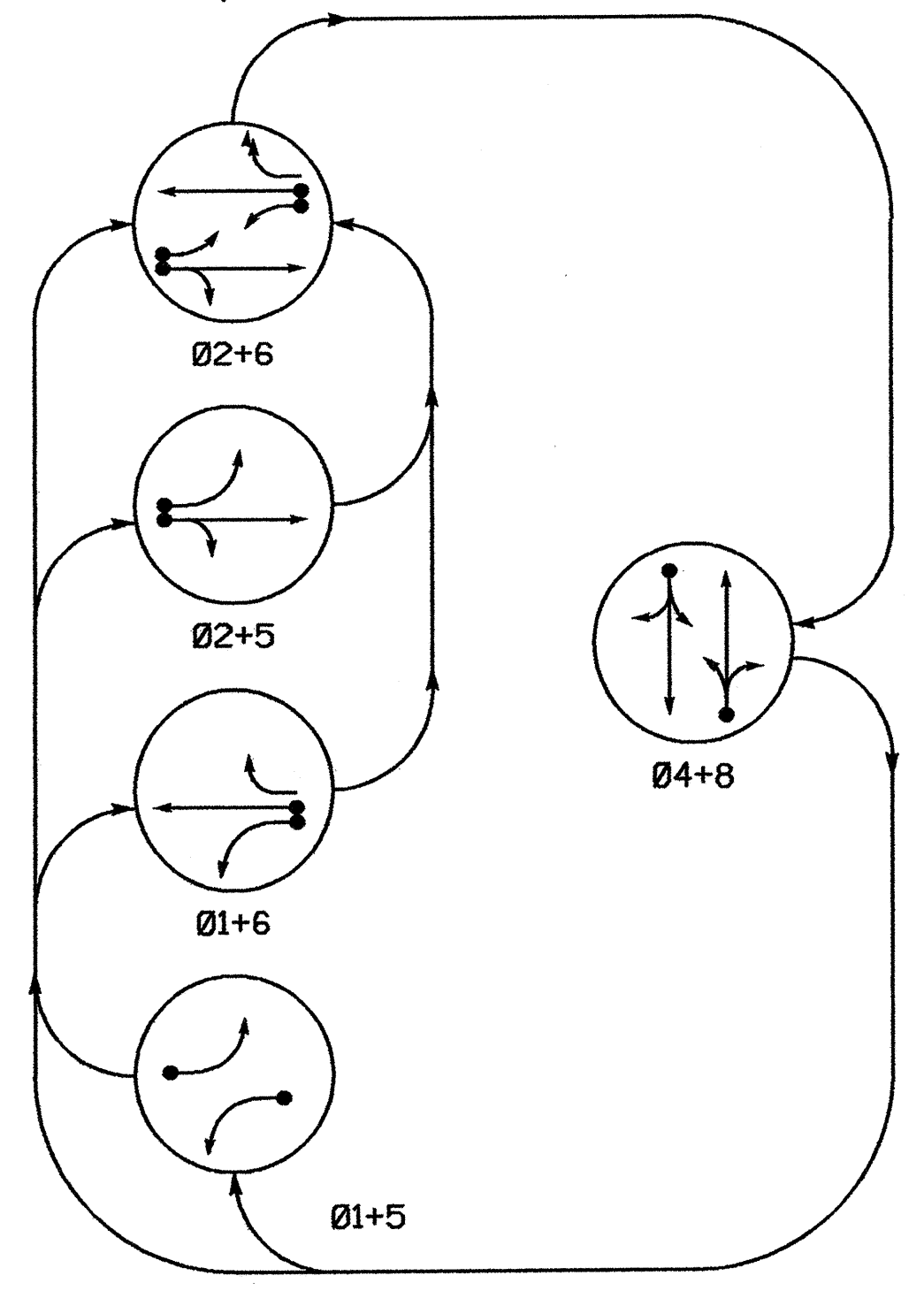
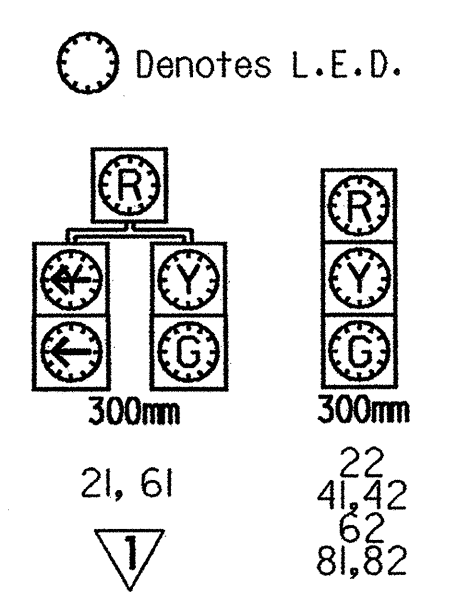


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	LEGEND
21	R	R	G	G	R	Y
22	R	R	G	G	R	Y
41,42	R	R	R	R	G	R
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y
81,82	R	R	R	R	G	R

SIGNAL FACE I.D.
 Denotes L.E.D.

SIGNAL FACE I.D.



2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	DETECTOR PROGRAMMING							
				PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	15	Y
					6	Y	Y	-	-	3	Y
2A	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	Y
4A	1.8X18	2-4-2	0	Y	4	Y	Y	-	-	3	Y
4B	1.8X4.5	4	0	Y	4	Y	Y	-	-	10	Y
5A	1.8X18	2-4-2	0	Y	2	Y	Y	-	-	3	Y
					5	Y	Y	-	-	15	Y
6A	1.8X1.8	4	90	Y	6	Y	Y	-	-	-	Y
8A	1.8X18	2-4-2	0	Y	8	Y	Y	-	-	3	Y

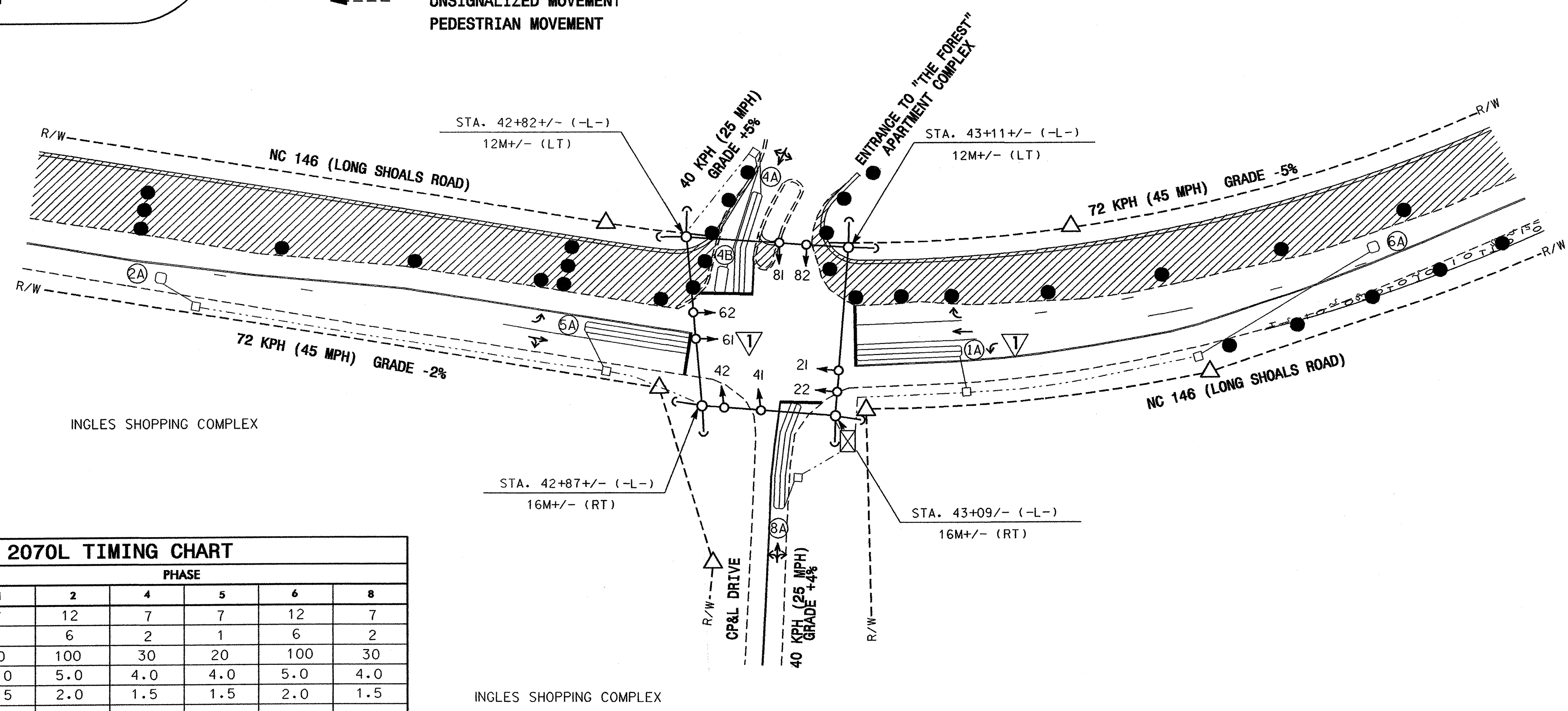
5 Phase Actuated (Isolated)

- NOTES**
- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT", DATED JANUARY 2002 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2002.
 - OMIT PHASE 1 DURING PHASE 2 ON.
 - OMIT PHASE 5 DURING PHASE 6 ON.
 - PROGRAM CONTROLLER TO CLEAR FROM PHASE 2+6 TO PHASE 1 AND/OR 5 BY PROGRESSING THROUGH PHASE 4+8 (SEE ELECTRICAL DETAILS).
 - SET ALL DETECTOR UNITS TO PRESENCE MODE.

PHASING DIAGRAM DETECTION LEGEND

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

THE FOREST APARTMENT COMPLEX



PLAN QUANTITIES

Pay Item	Meters
Signal Cable	170
Messenger Cable	115
Lead-in Cable	485

LEGEND

PROPOSED	EXISTING
Traffic Signal Head	Modified Signal Head
Pedestrian Signal Head With Push Button & Sign	Signal Pole with Guy
Signal Pole with Sidewalk Guy	Inductive Loop Detector
Inductive Loop Detector	Controller & Cabinet
Controller & Cabinet	Junction Box
Junction Box	50mm Underground Conduit
50mm Underground Conduit	Right of Way with Marker
Right of Way with Marker	Directional Arrow
Directional Arrow	Construction Zone
Construction Zone	Construction Barrels

2070L TIMING CHART

FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1*	7	12	7	7	12	7	
Extension 1*	1	6	2	1	6	2	
Max Green 1*	20	100	30	20	100	30	
Yellow Clearance	4.0	5.0	4.0	4.0	5.0	4.0	
Red Clearance	1.5	2.0	1.5	1.5	2.0	1.5	
Walk 1*	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	
Seconds Per Actuation*	-	2.5	-	-	2.5	-	
Max Variable Initial*	-	34	-	-	34	-	
Time Before Reduction*	-	20	-	-	20	-	
Time To Reduce*	-	60	-	-	60	-	
Minimum Gap	-	3.0	-	-	3.0	-	
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.

REVISION SEAL

PLANS PREPARED BY :
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FOR
DIVISION OF HIGHWAYS

Professional Engineer Seal for Timothy J. Williams, No. 24393, State of North Carolina.

TEMPORARY SIGNAL 1 - PHASE I - TCP 8

NC 146 (LONG SHOALS ROAD)
 AT
 CP&L DRIVE/ ENTRANCE TO "THE FOREST"
 APARTMENT COMPLEX

DIVISION 13 BUNCOMBE COUNTY ASHEVILLE

PLAN DATE: 03-25-03 REVIEWED BY: D. WORTON

PREPARED BY: C.B. HOLDEN R&K PROJECT NO. 302-079-SIG1

REVISIONS: REVISED WESTBOUND LEFT TURN TO PROTECTED/PERMISSIVE PHASING.

DATE: 11/17/04

Scale: 1:500

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SIG. INVENTORY NO. 13-0954T1