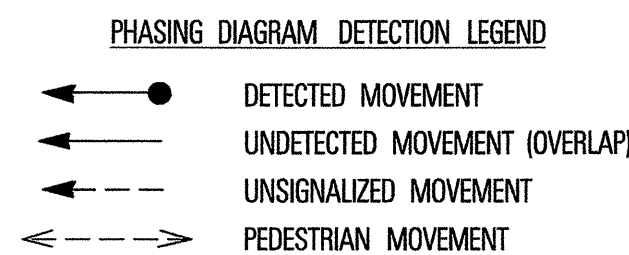
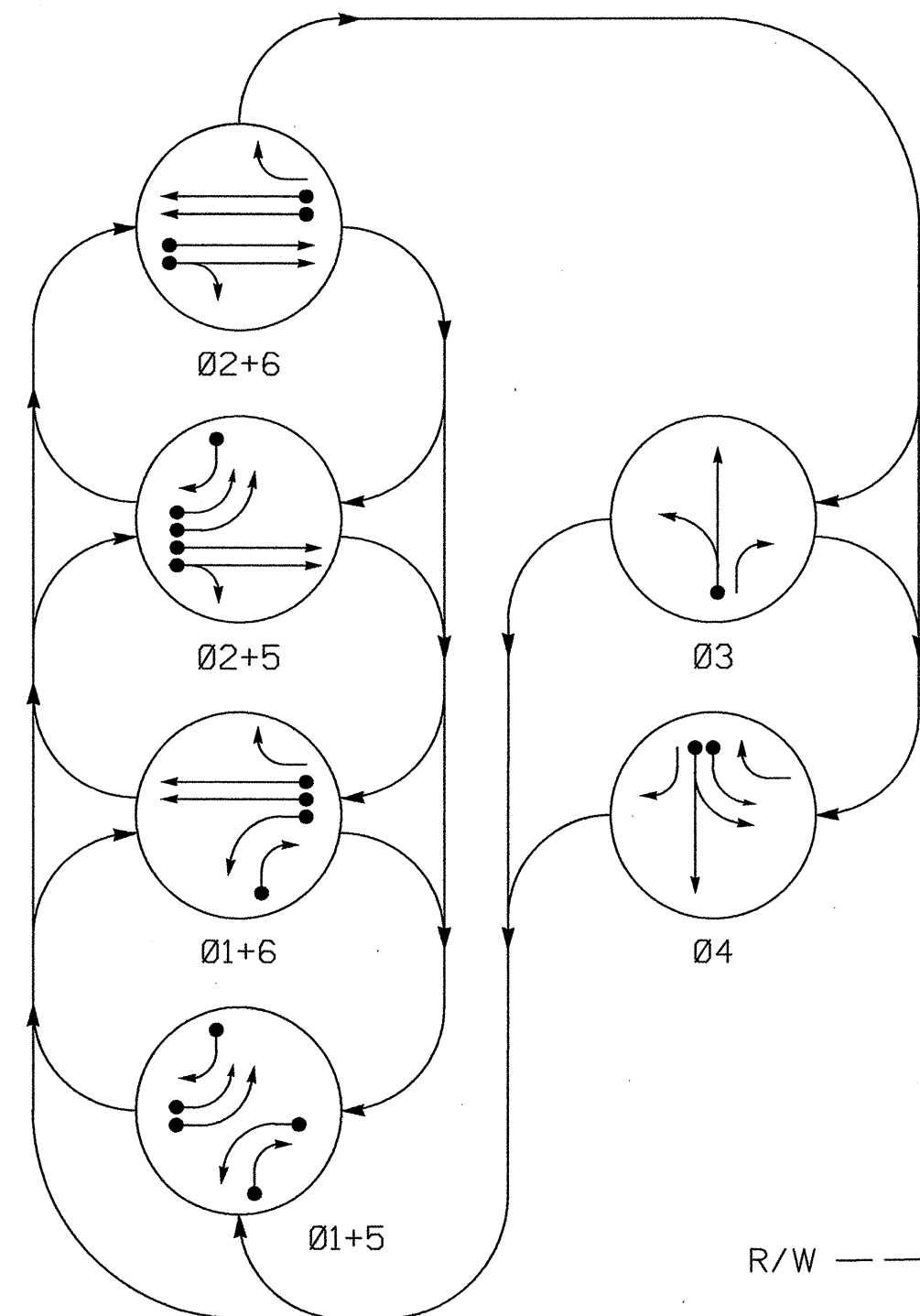
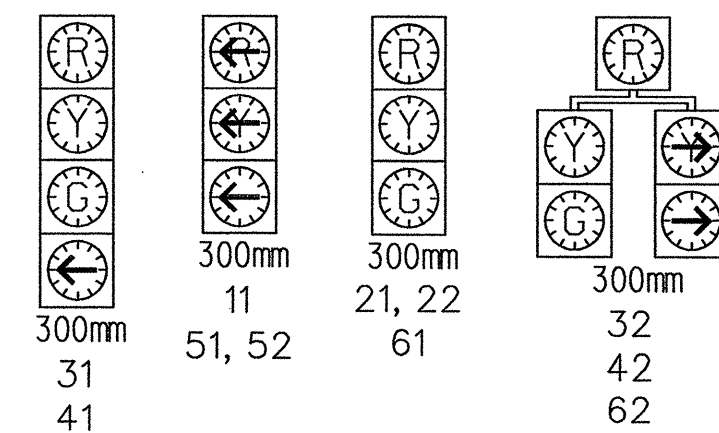


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	Ø 4
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	Y
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	G	R
42	R	R	R	R	G	R
51, 52	←	←	←	←	←	←
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y

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

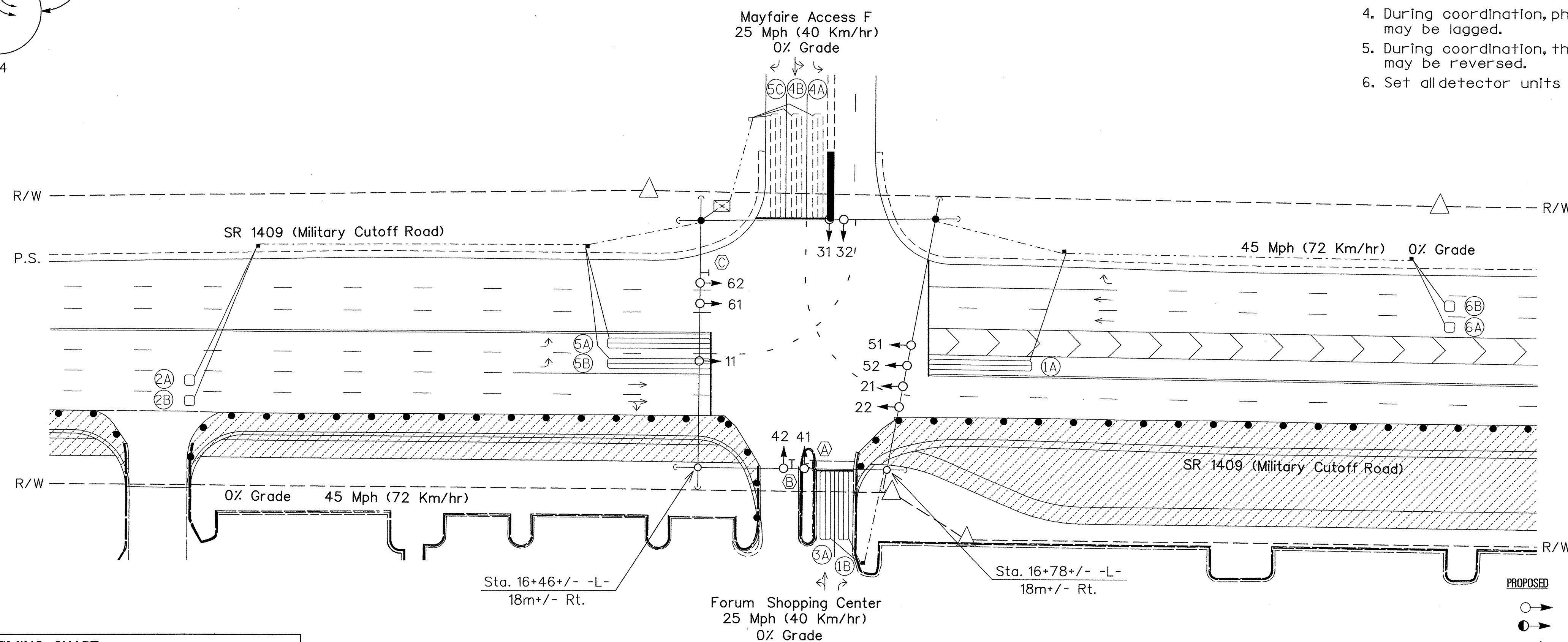


PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	430
Messenger Cable	165
Lead-in Cable	770

6 Phase  
 (Fully Actuated)  
 (Time - Based Coordination)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Pavement markings are existing.
3. Maximum times shown in timing chart are for free-run operation only. Coordinated signals system timing values shall supersede these values.
4. During coordination, phase 1 and/or phase 5 may be lagged.
5. During coordination, the order of phase 3 and 4 may be reversed.
6. Set all detector units to presence mode.

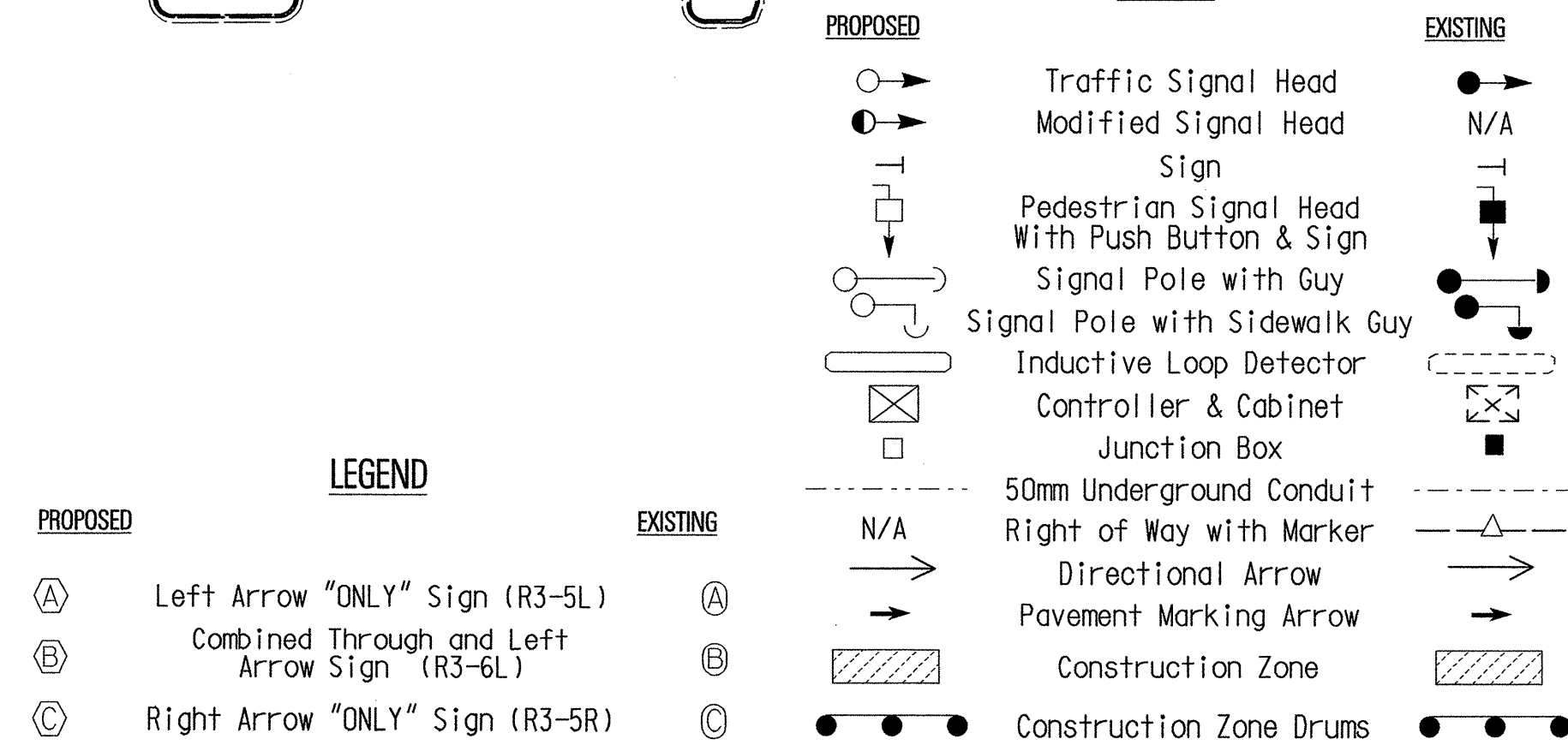


FEATURE	2070L TIMING CHART					
	1	2	3	4	5	6
Min Green 1*	7	12	7	7	7	12
Extension 1*	1.0	6.0	2.0	1.0	1.0	6.0
Max Green 1*	15	100	20	30	20	100
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7
Red Clearance	2.0	1.5	3.0	3.0	3.0	1.5
Walk 1*	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation*	-	1.5	-	-	-	1.5
Max Variable Initial*	-	34	-	-	-	34
Time Before Reduction*	-	15	-	-	-	15
Time To Reduce*	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
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.

2070L LOOP & DETECTOR INSTALLATION												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	-	3	-
1B	1.8X12	2-4-2	0	Y	1	Y	Y	-	-	-	15	-
2A	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
2B	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
3A	1.8X12	2-4-2	0	Y	3	Y	Y	-	-	-	-	-
4A	1.8X18	2-4-2	0	-	4	Y	Y	-	-	-	-	-
4B	1.8X18	2-4-2	0	-	4	Y	Y	-	-	-	-	-
5A	1.8X18	2-4-2	0	Y	5	Y	Y	-	-	-	3	-
5B	1.8X18	2-4-2	0	Y	5	Y	Y	-	-	-	3	-
5C	1.8X18	2-4-2	0	-	5	Y	Y	-	-	-	15	-
6A	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	-	-
6B	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	-	-

LEGEND



Signal Upgrade Temporary Design 1 Construction Phase I

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Prepared for: SR 1409 (Military Cutoff Road) at Forum Shopping Center and Mayfaire Access F

Division 3 New Hanover County Wilmington

PLAN DATE: Nov. 2003 REVIEWED BY: L. M. Eddins

PREPARED BY: H. M. Surti REVIEWED BY: S. S. Asefia

SCALE: 1:500

1/9/04

SIG. INVENTORY NO. 03-089511