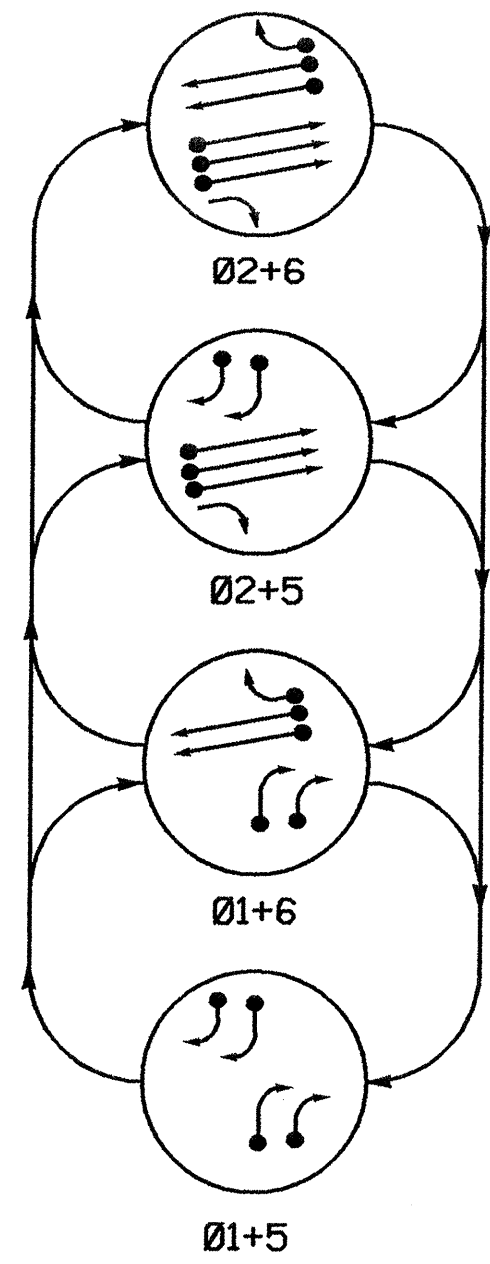


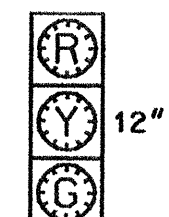
PHASING DIAGRAM



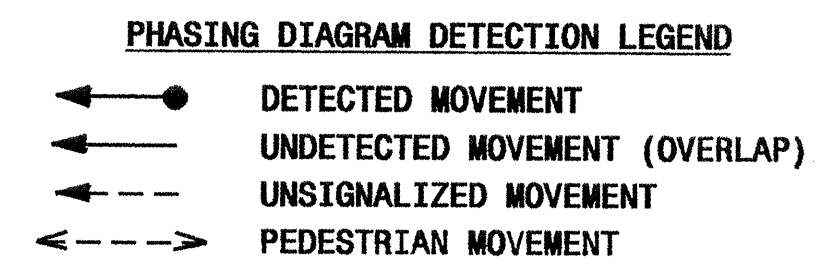
SIGNAL FACE	PHASE			
	Ø 2+6	Ø 1+6	Ø 1+5	Ø 2+5
11, 12	R	R	G	R
21, 22	G	G	R	Y
51, 52	R	G	R	G
61, 62	G	R	G	Y

SIGNAL FACE I.D.

⊙ Denotes L.E.D.



11, 12
21, 22
51, 52
61, 62



2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	DETECTOR PROGRAMMING				STRETCH TIME	DELAY TIME	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			
1A	6X60	2-4-2	0	Y	1	Y	Y	-	-	15	-
1B	6X60	2-4-2	0	Y	1	Y	Y	-	-	15	-
2A	6X6	5	300	Y	2	Y	Y	-	-	-	-
2B	6X6	5	300	Y	2	Y	Y	-	-	-	-
2C	6X6	5	300	Y	2	Y	Y	-	-	-	-
2D	6X6	5	300	Y	2	Y	Y	-	-	-	-
5A	6X60	2-4-2	0	Y	5	Y	Y	-	-	15	-
5B	6X60	2-4-2	0	Y	5	Y	Y	-	-	15	-
6A	6X6	6	300	Y	6	Y	Y	-	-	-	Y
6B	6X6	6	300	Y	6	Y	Y	-	-	-	Y
6C	6X6	6	300	Y	6	Y	Y	-	-	-	Y

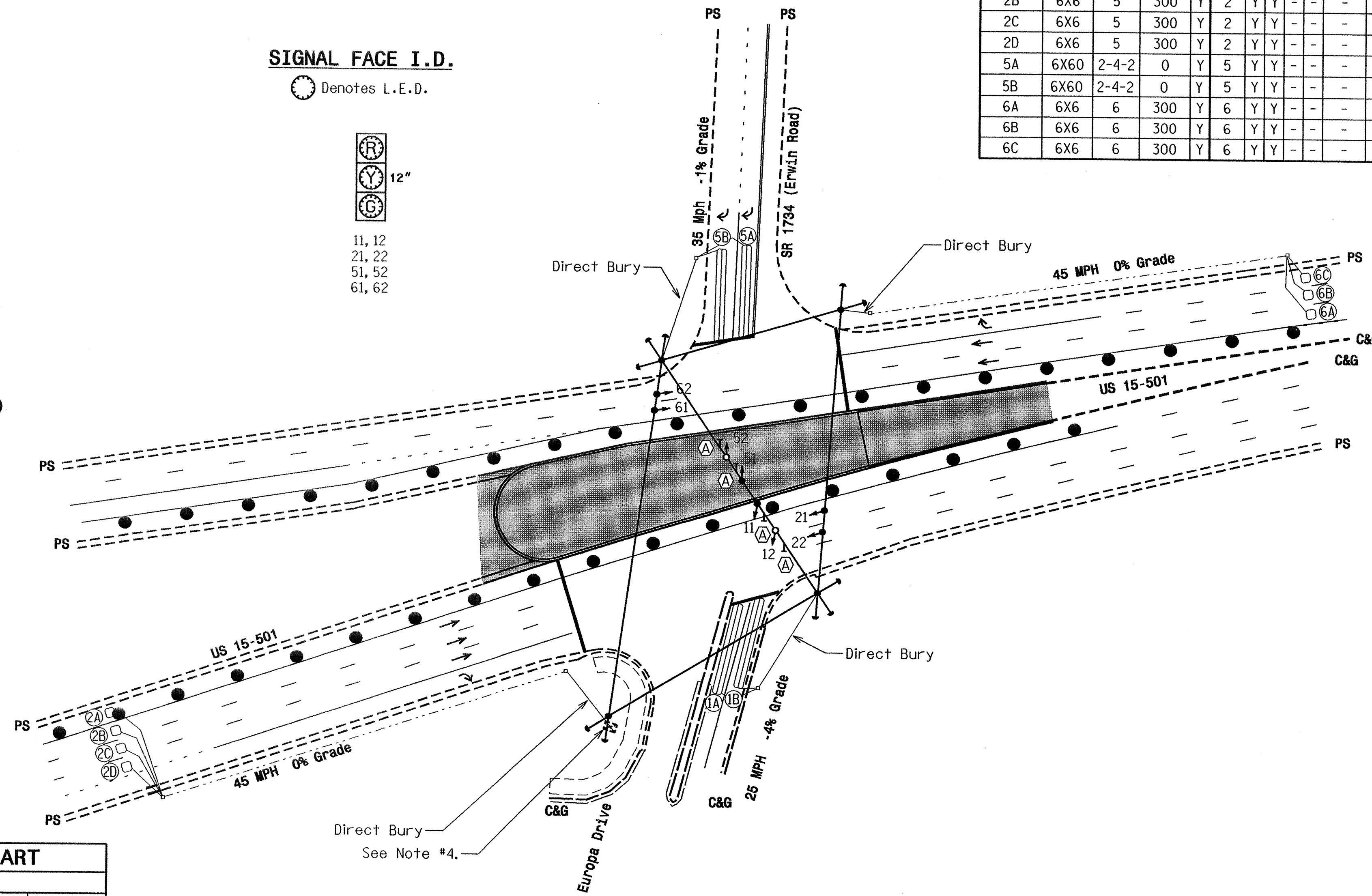
4 Phase Fully Actuated Chapel Hill Closed Loop System

NOTES

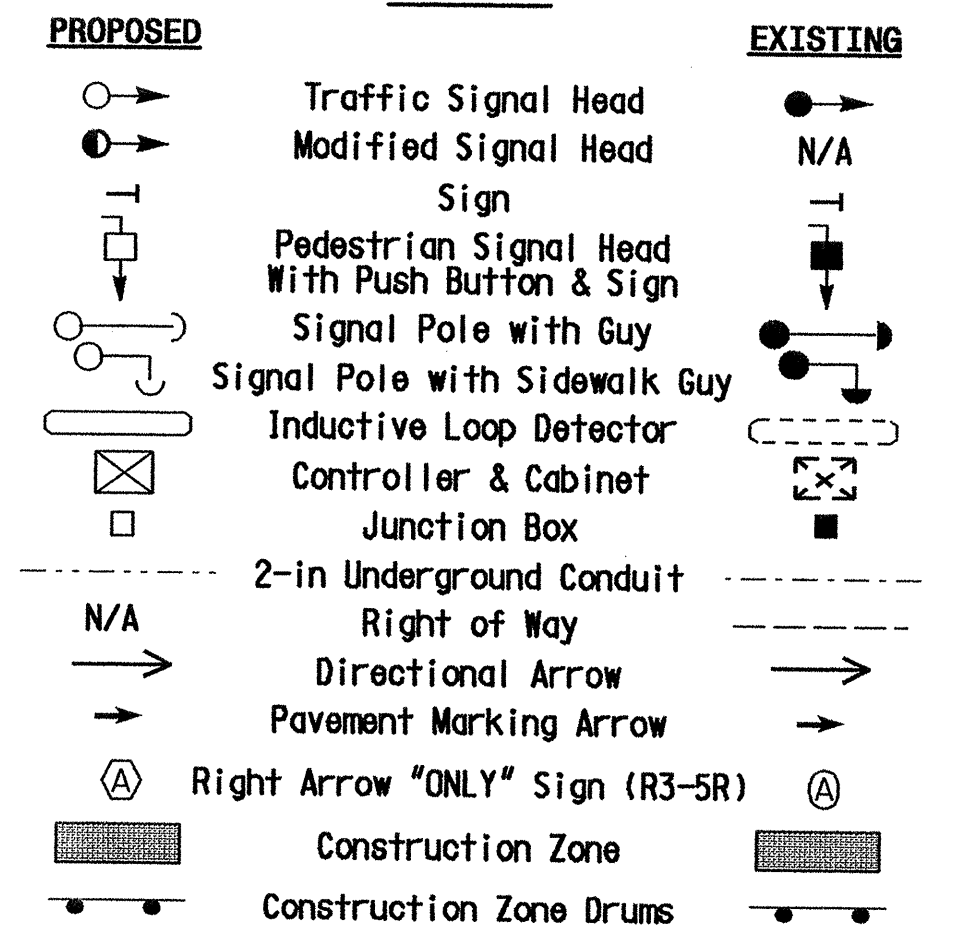
- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Install GPS Unit for time synchronization.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	0
Messenger Cable	0
Lead-in Cable	1690



LEGEND



2070L TIMING CHART

FEATURE	PHASE			
	1	2	5	6
Min Green 1 *	7	12	7	12
Extension 1 *	1.0	6.0	1.0	6.0
Max Green 1 *	20	90	20	90
Yellow Clearance	4.0	4.7	4.0	4.7
Red Clearance	2.0	2.5	2.0	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 *	-	45	-	45
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

* 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 Signal 2-Construction Phase II

	US 15-501 At SR 1734 (Erwin Road)		
	Division 7 Orange County Chapel Hill	PREPARED BY: TS Brown	
122 N. McDowell St., Raleigh, NC 27603	PLAN DATE: August 2004	REVIEWED BY: JP Galloway	SIGNATURE: <i>TS Brown</i> DATE: 9/7/04
SCALE: 1"=50'	REVISIONS:	INIT.:	DATE:

07-SEP-2004 16:06 W:\p001\08-un\11\workgroups\TIP_Proj\facts\U-4008\0382\2.5\g_den_2004\mddi.dgn