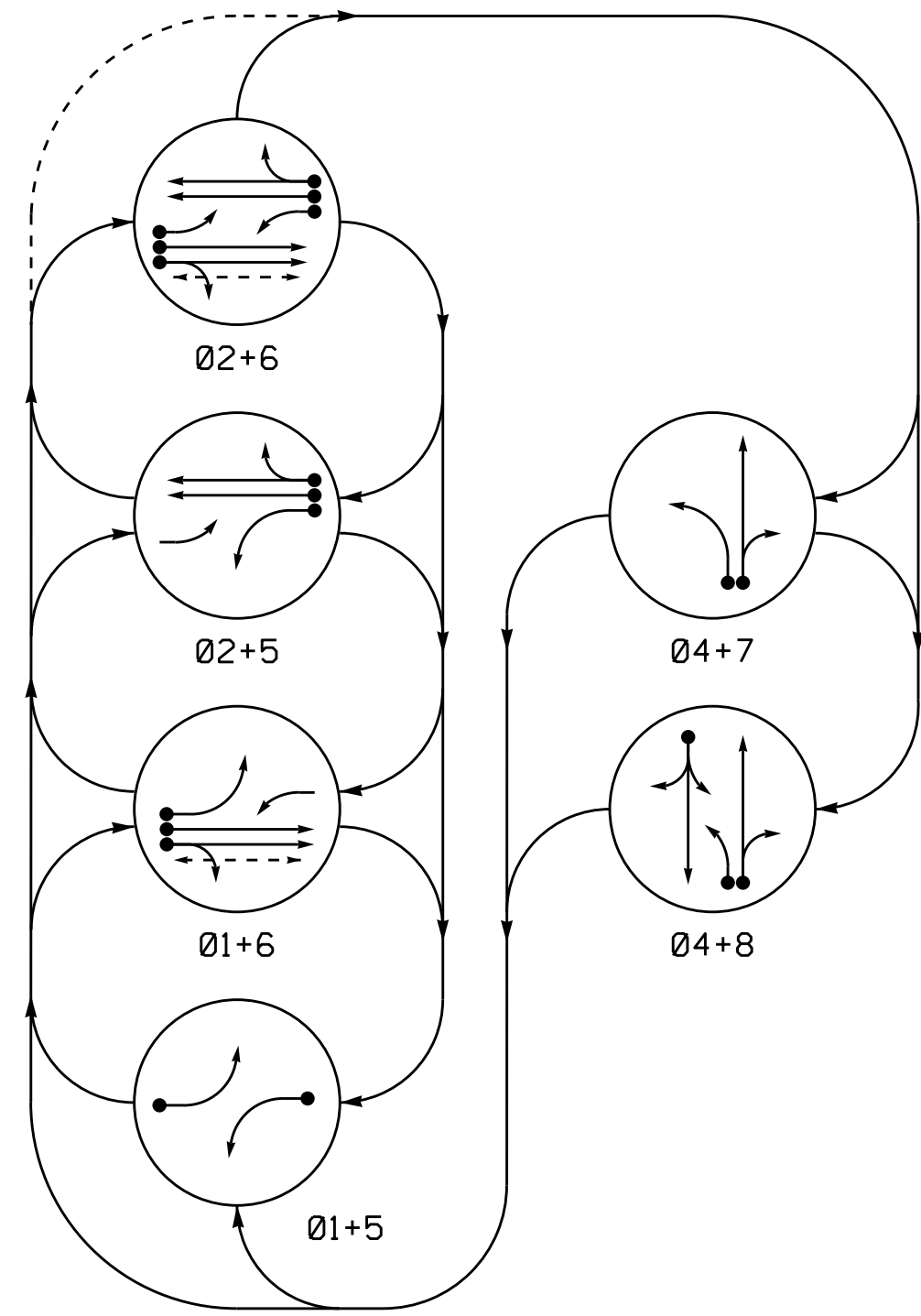


PHASING DIAGRAM



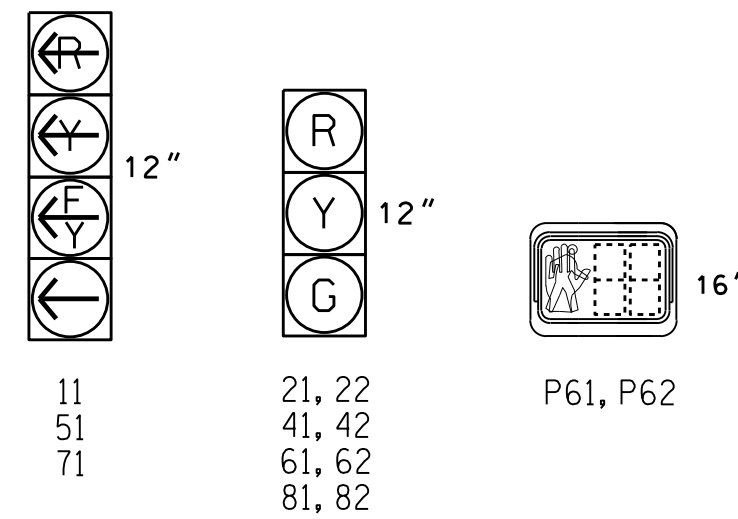
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE						
	01+5	02+5	04+7	04+8	F	L	DRK
11	—	—	—	—	—	—	—
21, 22	R	R	G	G	R	R	Y
41, 42	R	R	R	R	G	G	R
51	—	—	—	—	—	—	—
61, 62	R	G	R	G	R	R	Y
71	—	—	—	—	—	—	—
81, 82	R	R	R	R	R	G	R
P61, P62	DW	W	DW	W	DW	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.

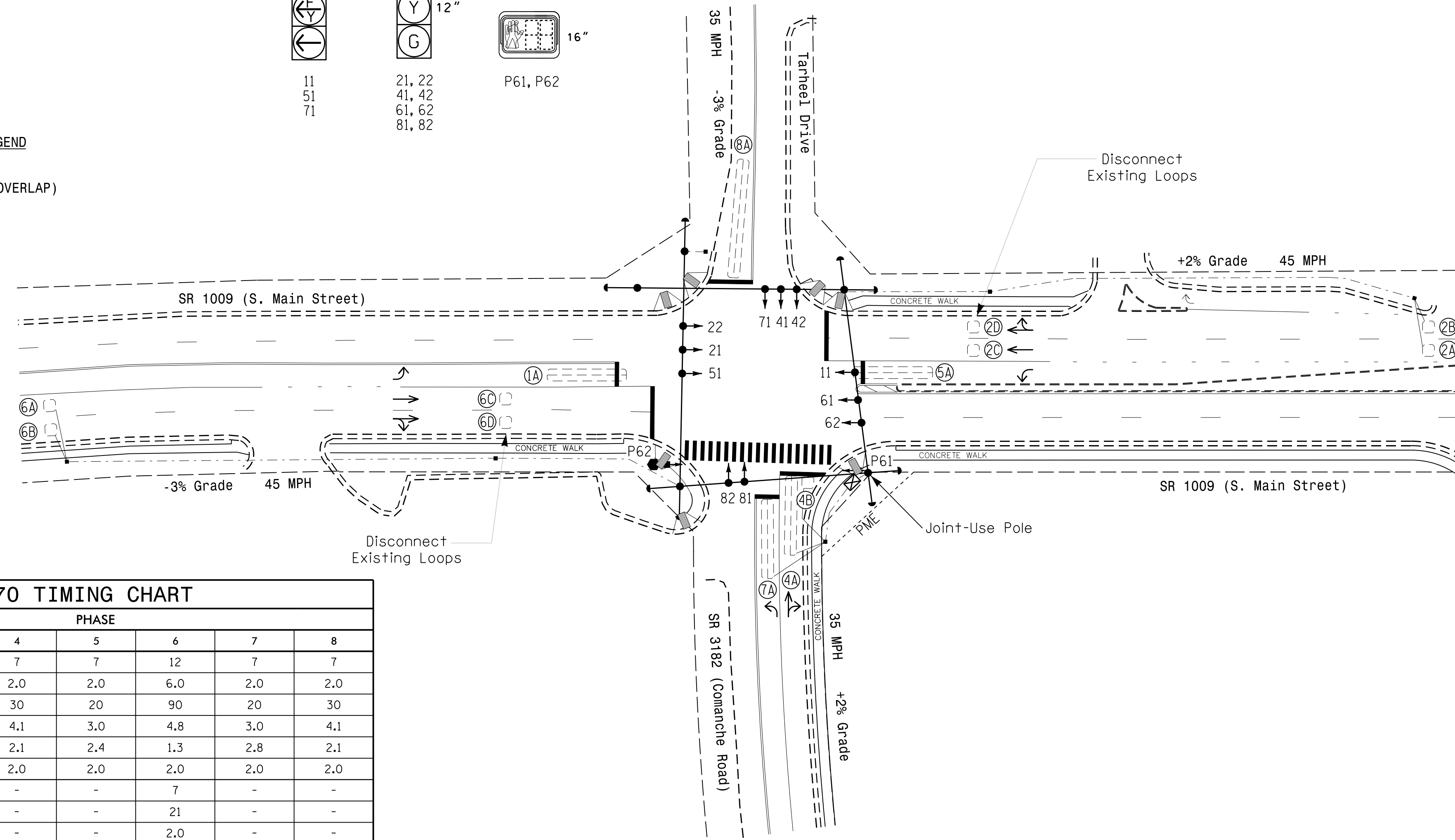


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART											
INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD	
1A	6X60	+5	2-4-2	-	1	Y	Y	-	15	-	Y
2A, 2B	6X6	300	EXIST	-	6	Y	Y	-	3	-	Y
2C, 2D	6X6	70	EXIST	-	DISCONNECT					-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	10	-	Y
4B	6X6	0	3	-	4	Y	Y	-	15	-	Y
5A	6X60	+5	2-4-2	-	5	Y	Y	-	15	-	Y
6A, 6B	6X6	300	EXIST	-	6	Y	Y	-	-	-	Y
6C, 6D	6X6	70	EXIST	-	DISCONNECT					-	-
7A	6X40	0	2-4-2	-	7	Y	Y	-	-	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	10	-	Y

6 Phase Fully Actuated (High Point Signal System)

NOTES

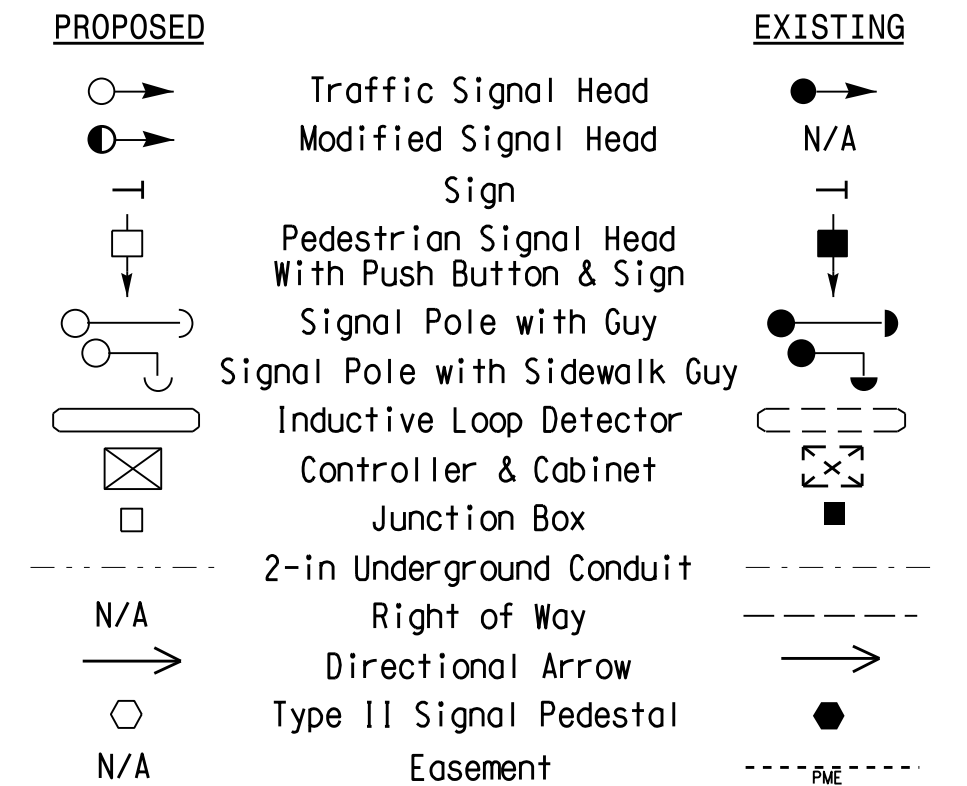
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Omit phase 7 during phase 8 on.
4. Phase 1 and/or phase 5 may be lagged.
5. Disconnect existing loops 2C, 2D, 6C, and 6D.
6. Set all detector units to presence mode.
7. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
8. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
9. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
11. Pavement markings are existing.
12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



OASIS 2070 TIMING CHART							
FEATURE	PHASE						
	1	2	4	5	6	7	8
Min Green 1 *	7	12	7	7	12	7	7
Extension 1	2.0	6.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	20	90	30	20	90	20	30
Yellow Clearance	3.0	4.8	4.1	3.0	4.8	3.0	4.1
Red Clearance	2.8	1.3	2.1	2.4	1.3	2.8	2.1
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	7	-	-
Don't Walk 1	-	-	-	-	21	-	-
Seconds Per Actuation *	-	2.0	-	-	2.0	-	-
Max Variable Initial *	-	34	-	-	34	-	-
Time Before Reduction *	-	15	-	-	15	-	-
Time To Reduce *	-	30	-	-	30	-	-
Minimum Gap	-	3.0	-	-	3.0	-	-
Recall Mode **	-	SOFT RECALL	-	-	SOFT RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	-
Dual Entry	-	-	ON	-	-	-	ON
Simultaneous Gap	ON	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.
 ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

LEGEND



Signal Upgrade

	SR 1009 (S. Main Street) at SR 3182 (Comanche Road) and Tarheel Drive		SEAL
	Division 8 Randolph County Archdale		SEAL 026486 ROBERT J. JETER ENGINEER
PLAN DATE: May 2014 PREPARED BY: L. Blount	REVIEWED BY: REVIEWED BY:	REVISIONS INIT. DATE	DATE: 4/2/2015 DATE:
SCALE: 1"=40' 0 40	SIG. INVENTORY NO. 08-0592		