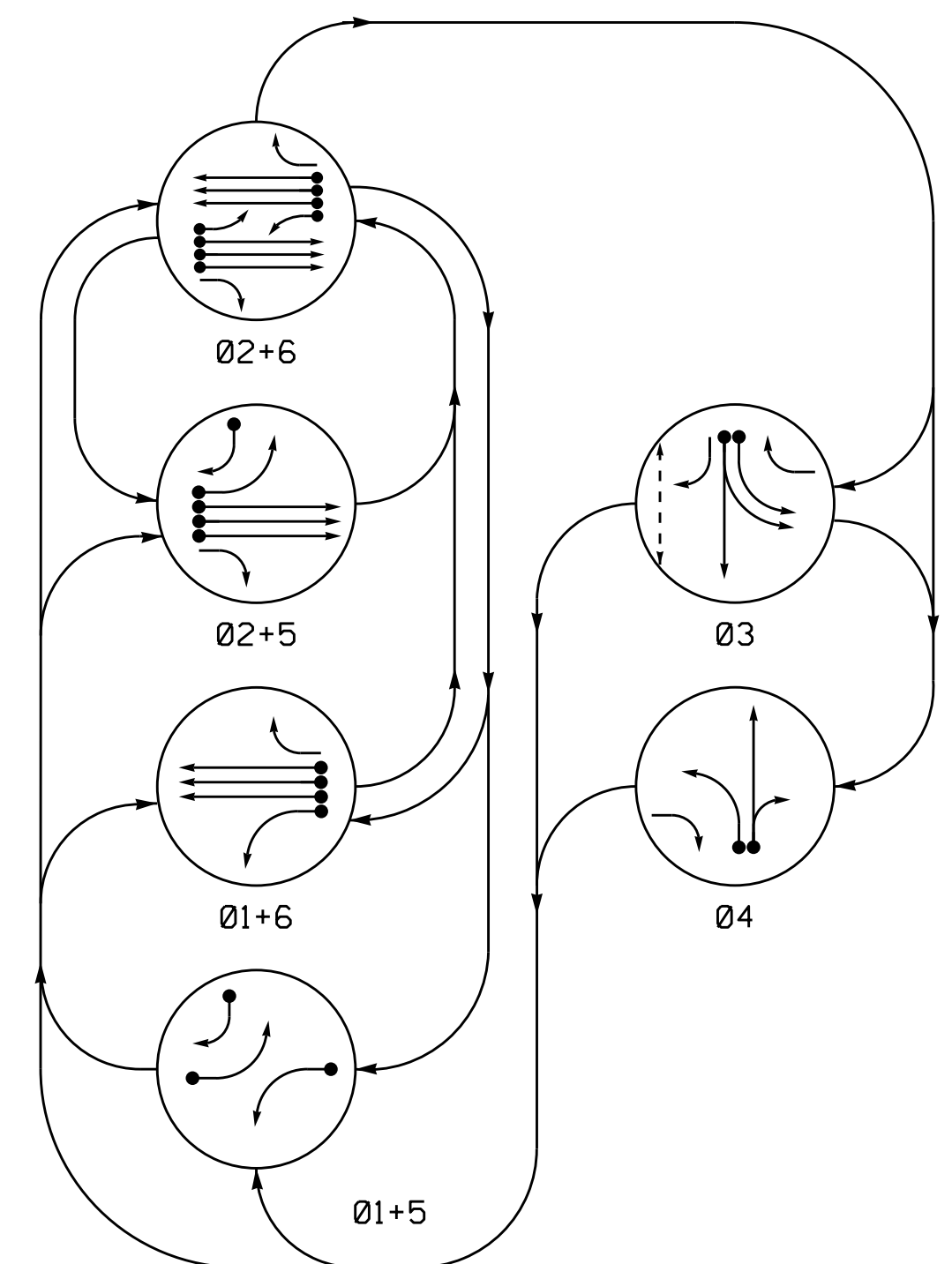
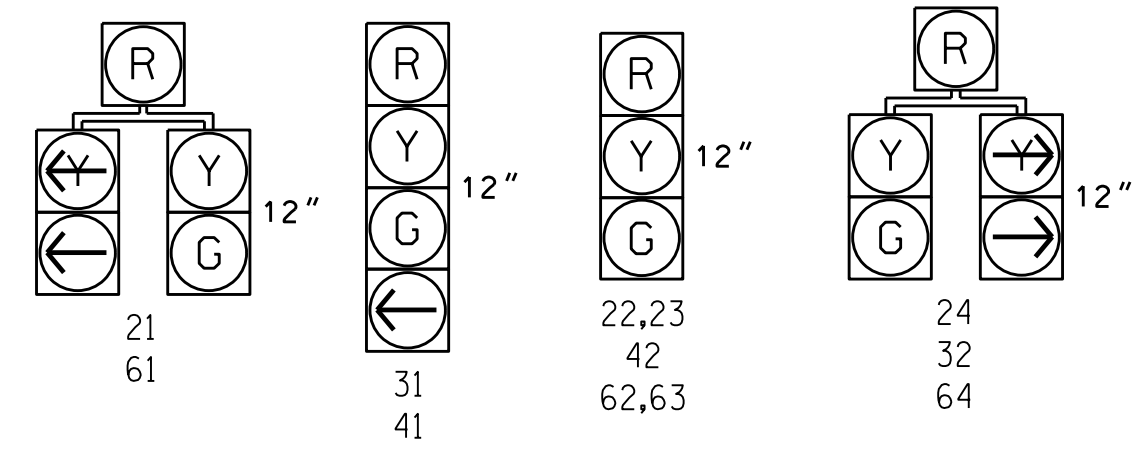


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
21	R	R	G	G	R	Y
22, 23	R	R	G	G	R	Y
24	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
61	R	G	R	G	R	Y
62, 63	R	G	R	G	R	Y
64	R	G	R	G	R	Y
P31, P32	DW	DW	DW	DW	W	DRK

SIGNAL FACE I.D.
All Heads L.E.D.

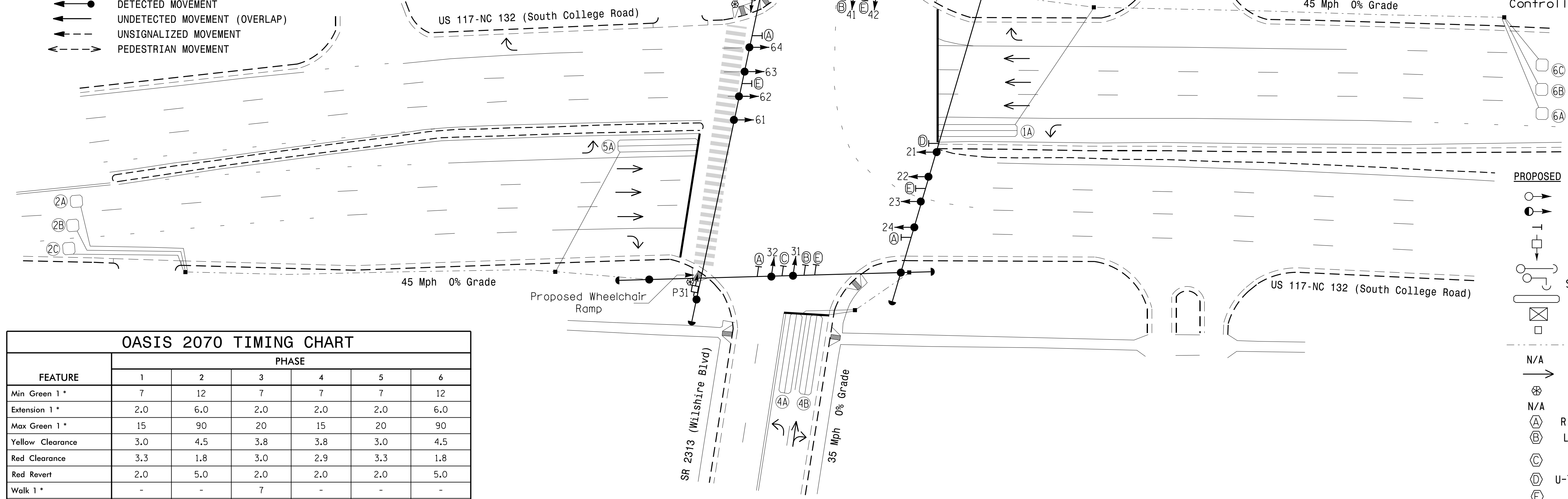
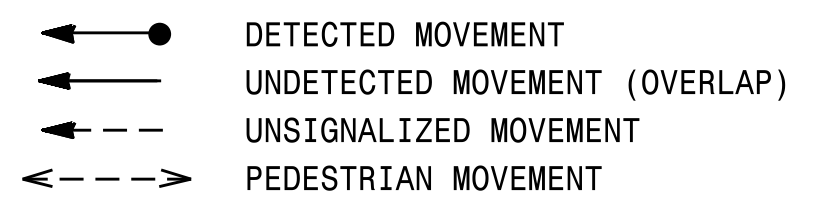


INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	10	-	-
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-
2B	6X6	300	5	Y	2	Y	Y	-	-	-	-
2C	6X6	300	5	Y	2	Y	Y	-	-	-	-
3A	6X40	0	2-4-2	Y	3	Y	Y	-	3	-	-
3B	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	3	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	10	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	10	-	-
5B	6X40	0	2-4-2	Y	5	Y	Y	-	15	-	-
6A	6X6	300	5	Y	6	Y	Y	-	-	-	-
6B	6X6	300	5	Y	6	Y	Y	-	-	-	-
6C	6X6	300	5	Y	6	Y	Y	-	-	-	-

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Enable Backup Protect for phase 2 and 6 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data: Controller Asset # 0237.

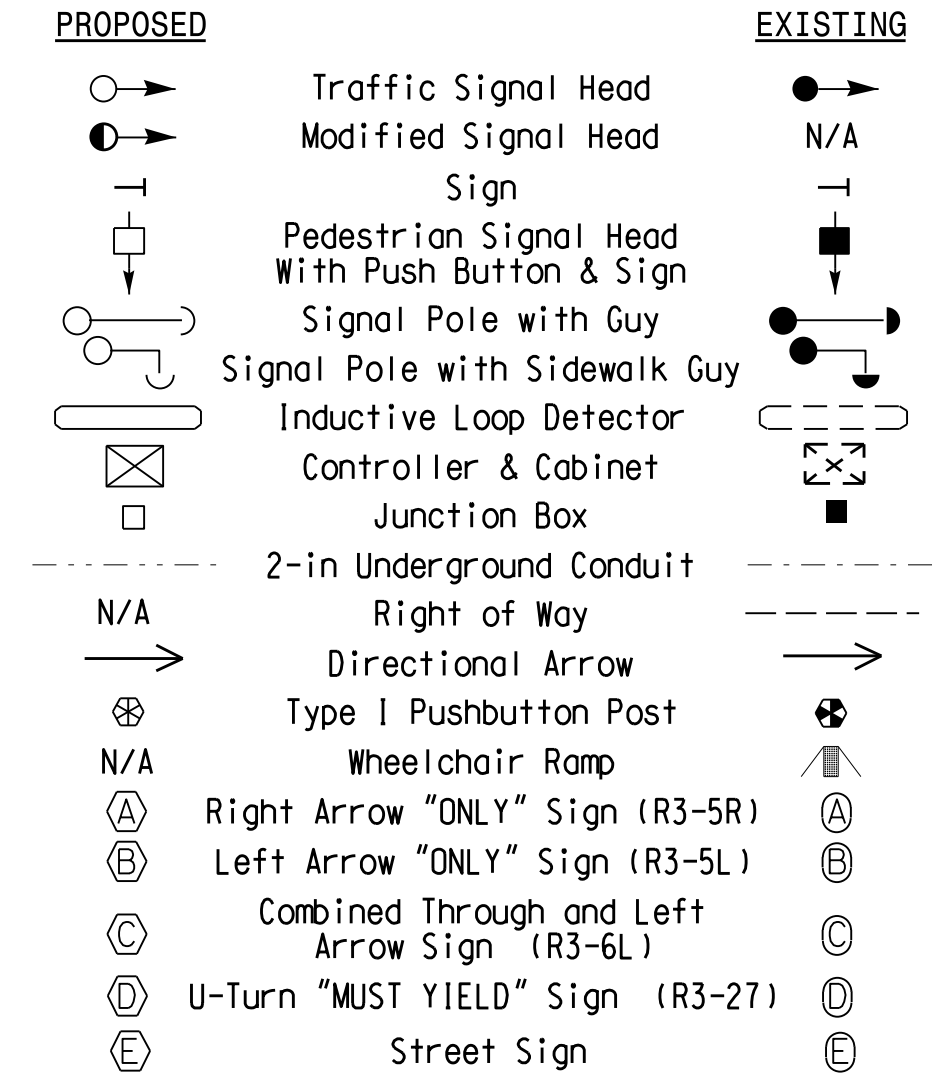
PHASING DIAGRAM DETECTION LEGEND



FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	12	7	7	7	12
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	15	90	20	15	20	90
Yellow Clearance	3.0	4.5	3.8	3.8	3.0	4.5
Red Clearance	3.3	1.8	3.0	2.9	3.3	1.8
Red Revert	2.0	5.0	2.0	2.0	2.0	5.0
Walk 1 *	-	-	7	-	-	-
Don't Walk 1	-	-	34	-	-	-
Seconds Per Actuation *	-	1.2	-	-	-	1.2
Max Variable Initial *	-	34	-	-	-	34
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	34
Minimum Gap	-	3.2	-	-	-	3.2
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.

LEGEND



Signal Upgrade

Prepared in the Offices of:

US 117 - NC 132 (S College Rd) at SR 2313 (Wilshire Blvd)

Division 3 New Hanover County Wilmington

PLAN DATE: April 2016 REVIEWED BY: PLA

PREPARED BY: Jeff Spence REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1"=30'

REVISIONS: INIT. DATE

SEAL: 4/18/2016

SIG. INVENTORY NO. 03-0237

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

18-APR-2016 13:24
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 User: alexander