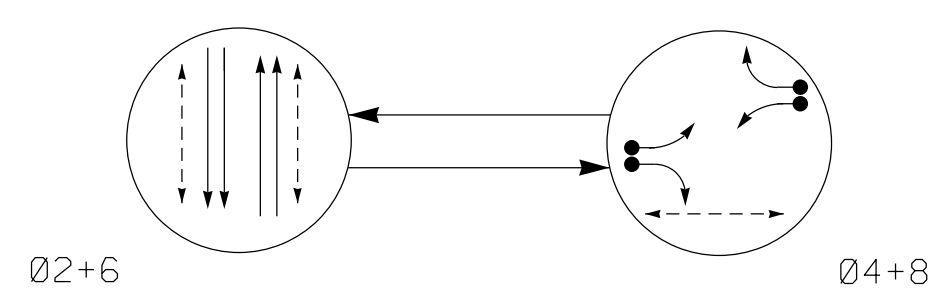


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.

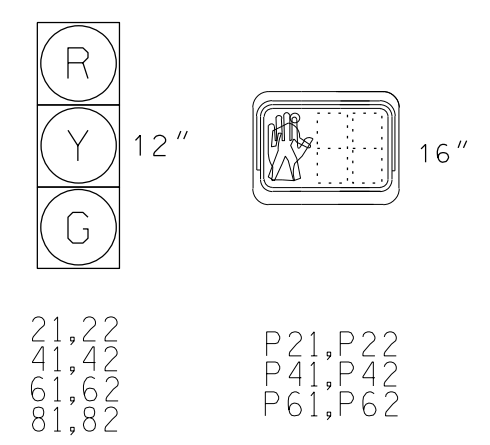


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	21,22	41,42	61,62
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
81,82	R	G	R
P21,P22	W	DW	DRK
P41,P42	DW	W	DRK
P61,P62	W	DW	DRK

W - Walk
DW - Don't Walk
DRK - Dark

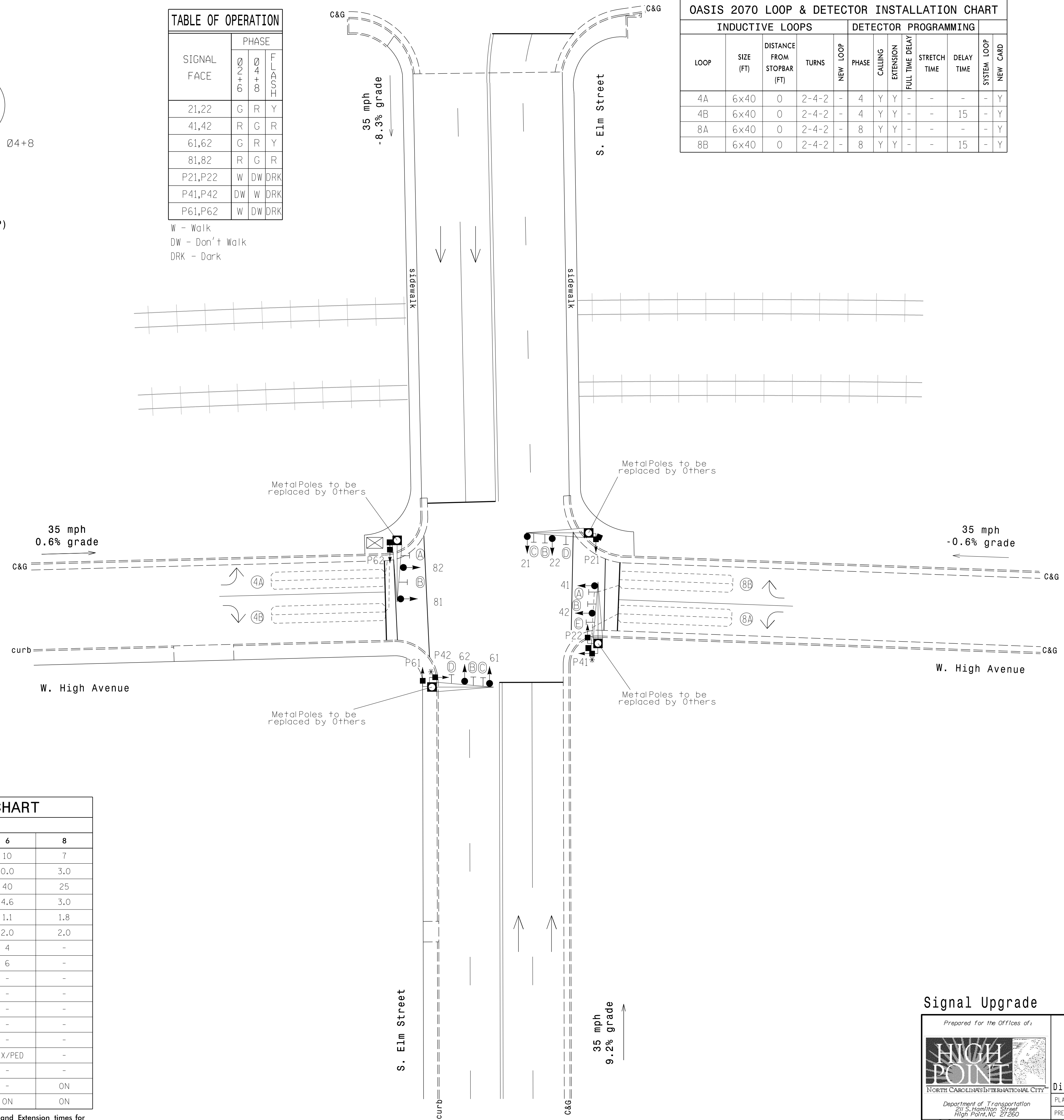
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6x40	0	2-4-2	-	4	Y	Y	-	-	-	-	Y
4B	6x40	0	2-4-2	-	4	Y	Y	-	-	15	-	Y
8A	6x40	0	2-4-2	-	8	Y	Y	-	-	-	-	Y
8B	6x40	0	2-4-2	-	8	Y	Y	-	-	15	-	Y

2 Phase Semi-Actuated (High Point Signal System)

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.
- Set all detector units to presence mode.
- 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls on phases 4 and 8 only.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

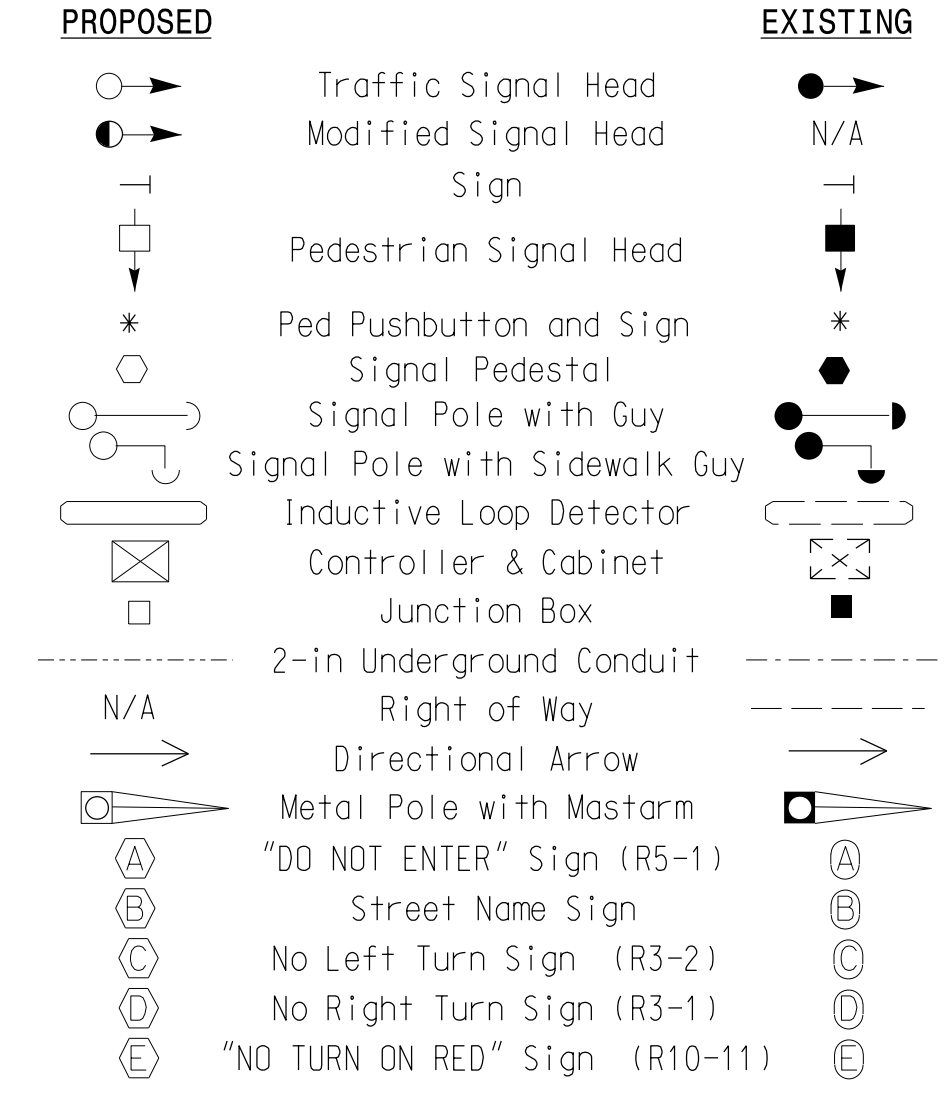


OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	3.0	0.0	3.0
Max Green 1 *	40	25	40	25
Yellow Clearance	3.4	3.0	4.6	3.0
Red Clearance	1.0	1.6	1.1	1.8
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	4	4	4	-
Don't Walk 1	7	11	6	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX/PED	-	MAX/PED	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	ON	-	ON
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.

LEGEND



Signal Upgrade

Prepared for the Offices of:

Department of Transportation
211 S. Hamilton Street
High Point, NC 27260

Elm Street at High Avenue

Division 07 Guilford County High Point

PLAN DATE: April 2014 REVIEWED BY: LM Moon

PREPARED BY: AM Encarnacion REVIEWED BY: MB Toth

SEAL

ENGINEER
MELISSA B. TOTH

SCALE: 1"=20'

REVISIONS: INIT. DATE

Signed by: *Melissa B. Toth* 6/5/2015
DATE: _____
SIGNATURE: _____
DATE: _____

SIG. INVENTORY NO. HP0512

05-JUN-2015 15:53 D:\Transportation\Projects\Curran\100037777 - High Point Sig Sys\Signal\design\package\HP0512.dgn WLEZ054 - AT 02520140

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326