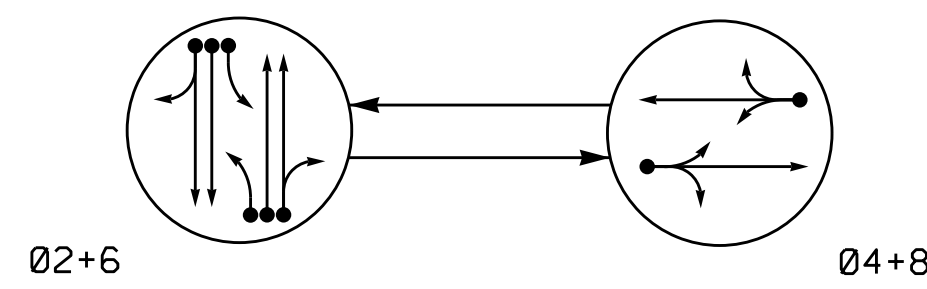


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

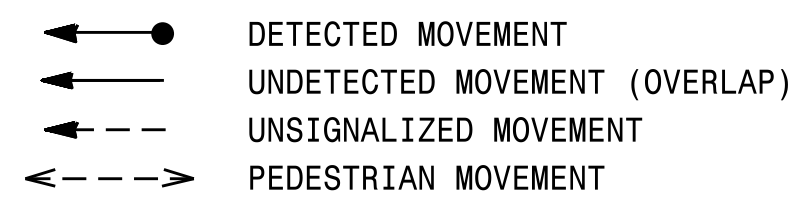


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21	F	R	Y
22, 23	G	R	Y
41, 42	R	G	R
61	F	R	Y
62, 63	G	R	Y
81, 82	R	G	R

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

LOOP & DETECTOR UNIT INSTALLATION CHART
 NAZTEC APOGEE SOFTWARE 2070 CONTROLLER

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING								
					PHASE	SWITCH (PHASE)	DELAY TIME	STRETCH TIME	CALLING	EXTENSION	ADDED INIT.	SYSTEM LOOP	NEW CARD
2A, 2B	6X6	70	4	X	2	-	-	-	X	X	-	-	X
2C	6X40	0	2-4-2	X	2	-	-	-	X	X	-	-	X
4A	6X60	+5	2-4-2	-	4	-	5	-	X	X	-	-	X
6A, 6B	6X6	185	EXIST	-	6	-	-	-	X	X	-	-	X
6C	6X60	+5	2-4-2	-	6	-	-	-	X	X	-	-	X
8A	6X60	+5	2-4-2	-	8	-	5	-	X	X	-	-	X

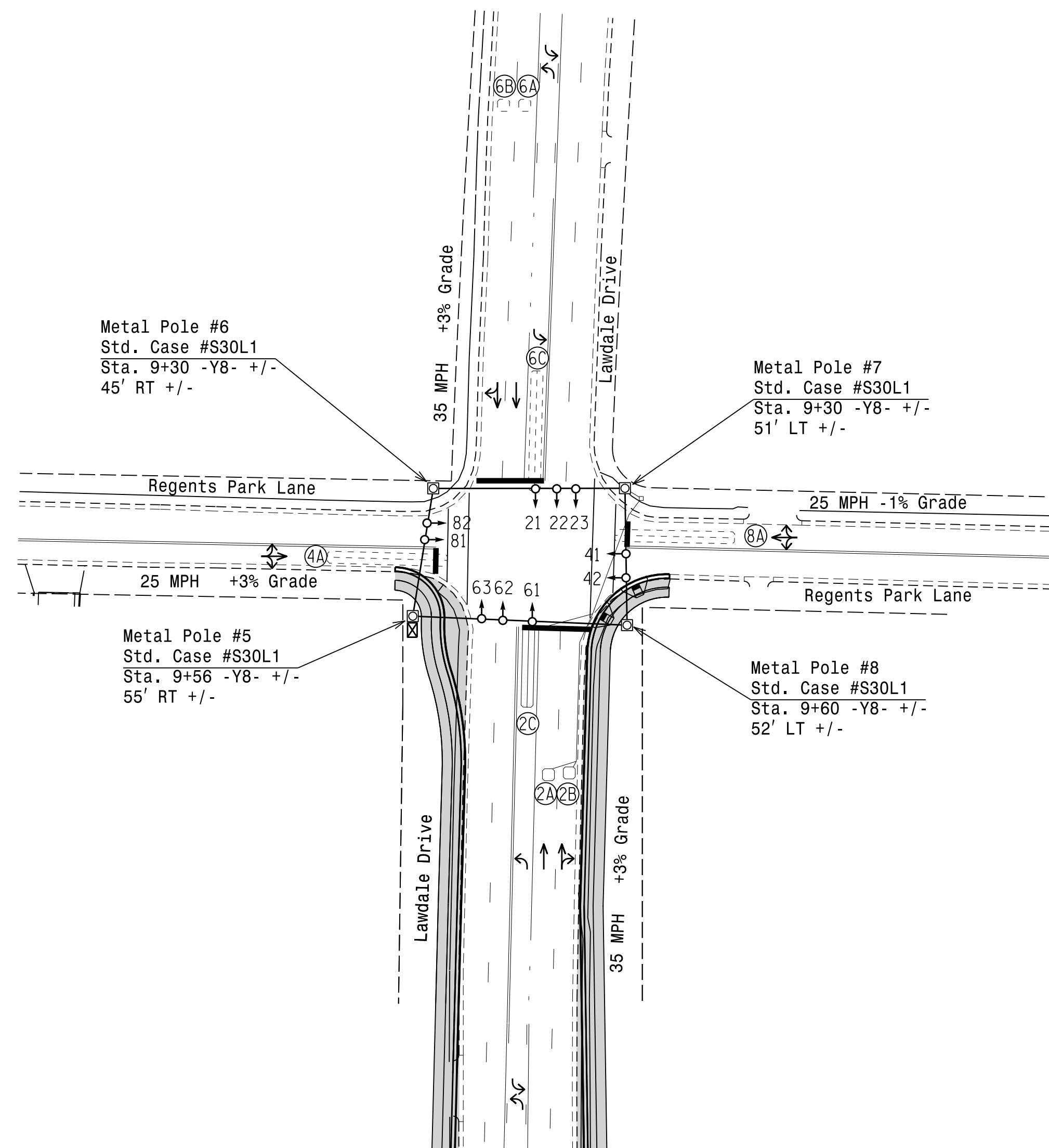
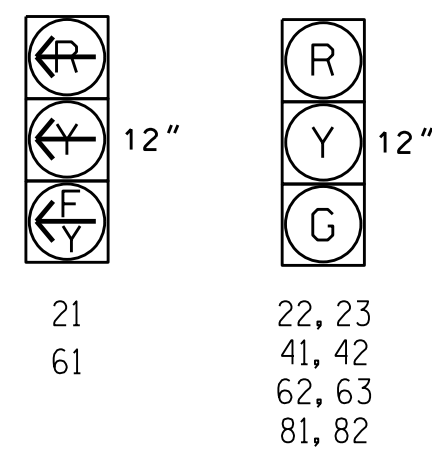
2 Phase Fully Actuated (Greensboro Signal System)

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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

SIGNAL FACE I.D.

All Heads L.E.D.

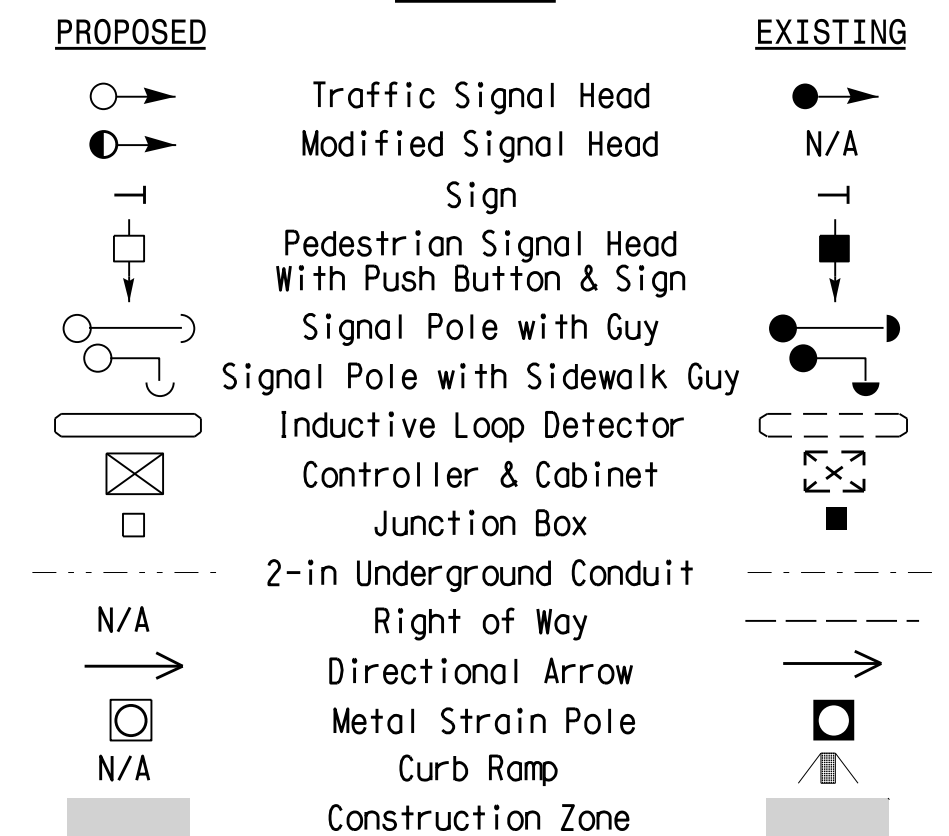


NAZTEC APOGEE 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	10	7	10	7
Gap, Extension *	3.0	2.0	4.0	2.0
Maximum Green 1 *	50	25	50	25
Maximum Green 2 *	-	-	-	-
Yellow Clear	4.0	3.1	4.0	3.2
Red Clear	1.2	2.2	1.2	2.7
Walk *	-	-	-	-
Pedestrian Clear	-	-	-	-
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Lock Calls	YES	NO	YES	NO
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 - Temporary Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

750 N. Greenfield Pkwy, Garner, NC 27529

Lawdale Drive at Regents Park Lane

Division 7 Guilford County Greensboro

PLAN DATE: March 2016 REVIEWED BY:

PREPARED BY: I. O. Umzurike REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 50 1"=50'

SEAL

4/19/2016

SIG. INVENTORY NO. GBO-041T

27-Apr-2016 14:40
 P:\IT\Projects\2524\Drawings\Signal\041T_Sig.dwg
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