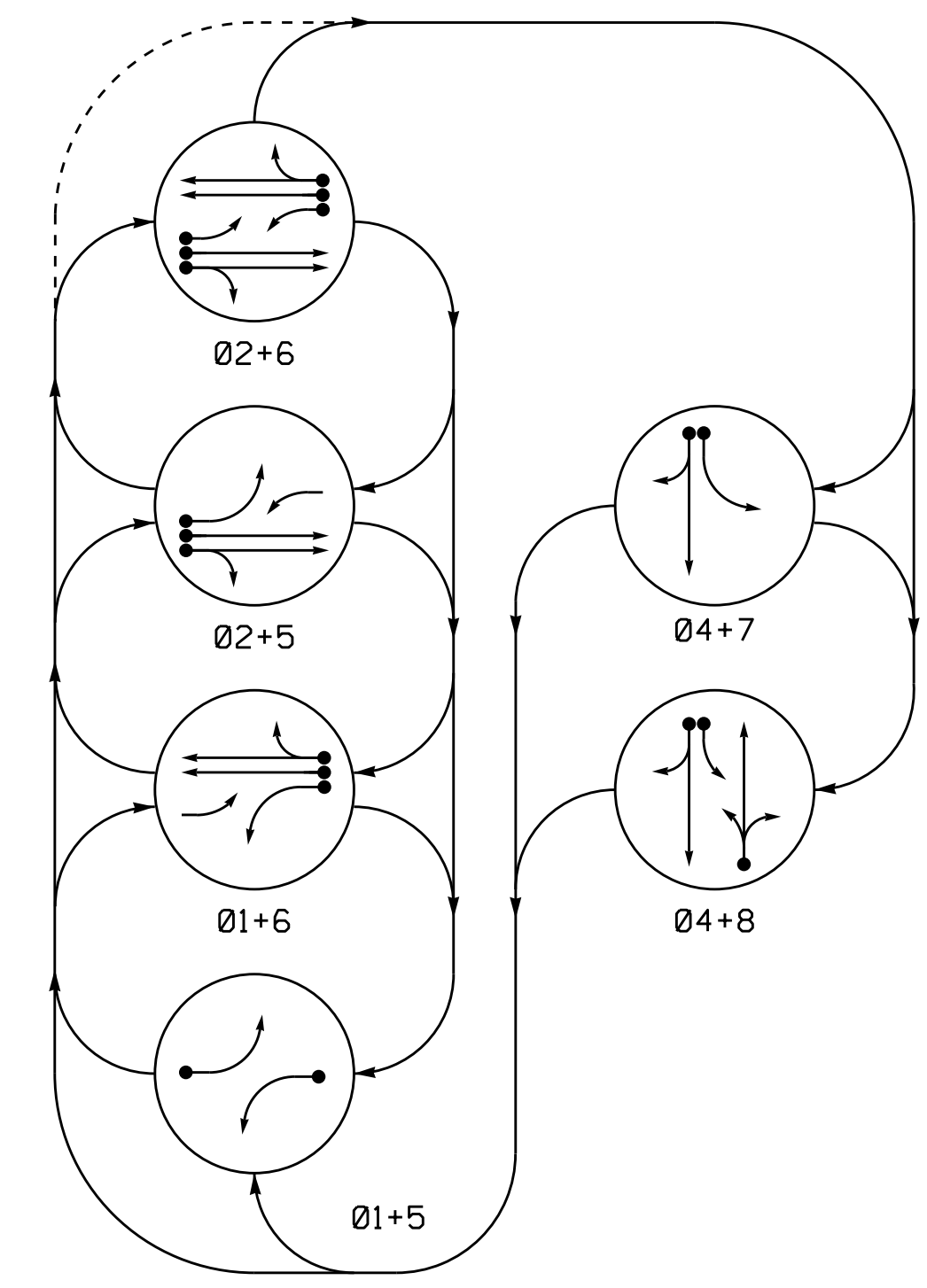
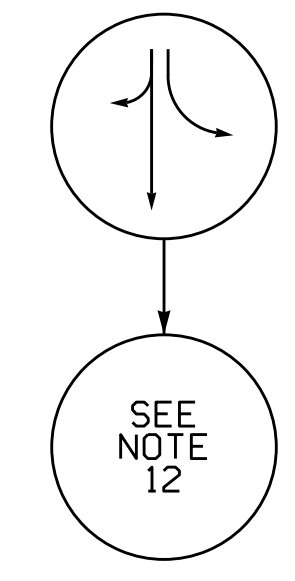


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ○ ← UNDETECTED MOVEMENT (OVERLAP)
 - - ← UNSIGNALIZED MOVEMENT
 - - - - ← PEDESTRIAN MOVEMENT

EV PREEMPT PHASES
(Medium Priority)



SIGNAL FACE I.D.

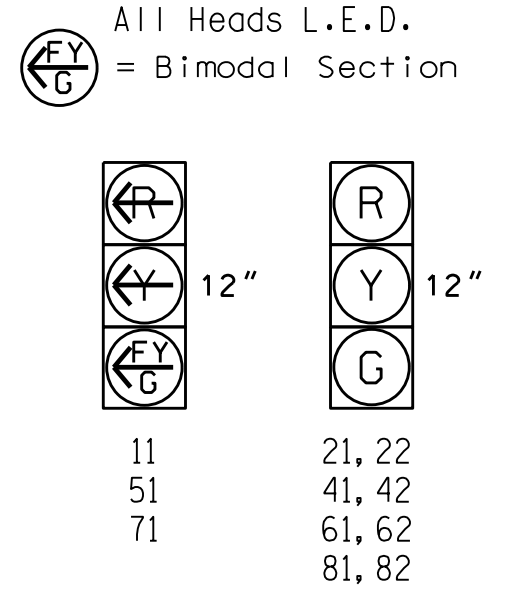


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	04+7	04+8	EV PRE	FL
11	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	R	Y
41, 42	R	R	R	R	G	G	G	R
51	←	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81, 82	R	R	R	R	R	G	R	R

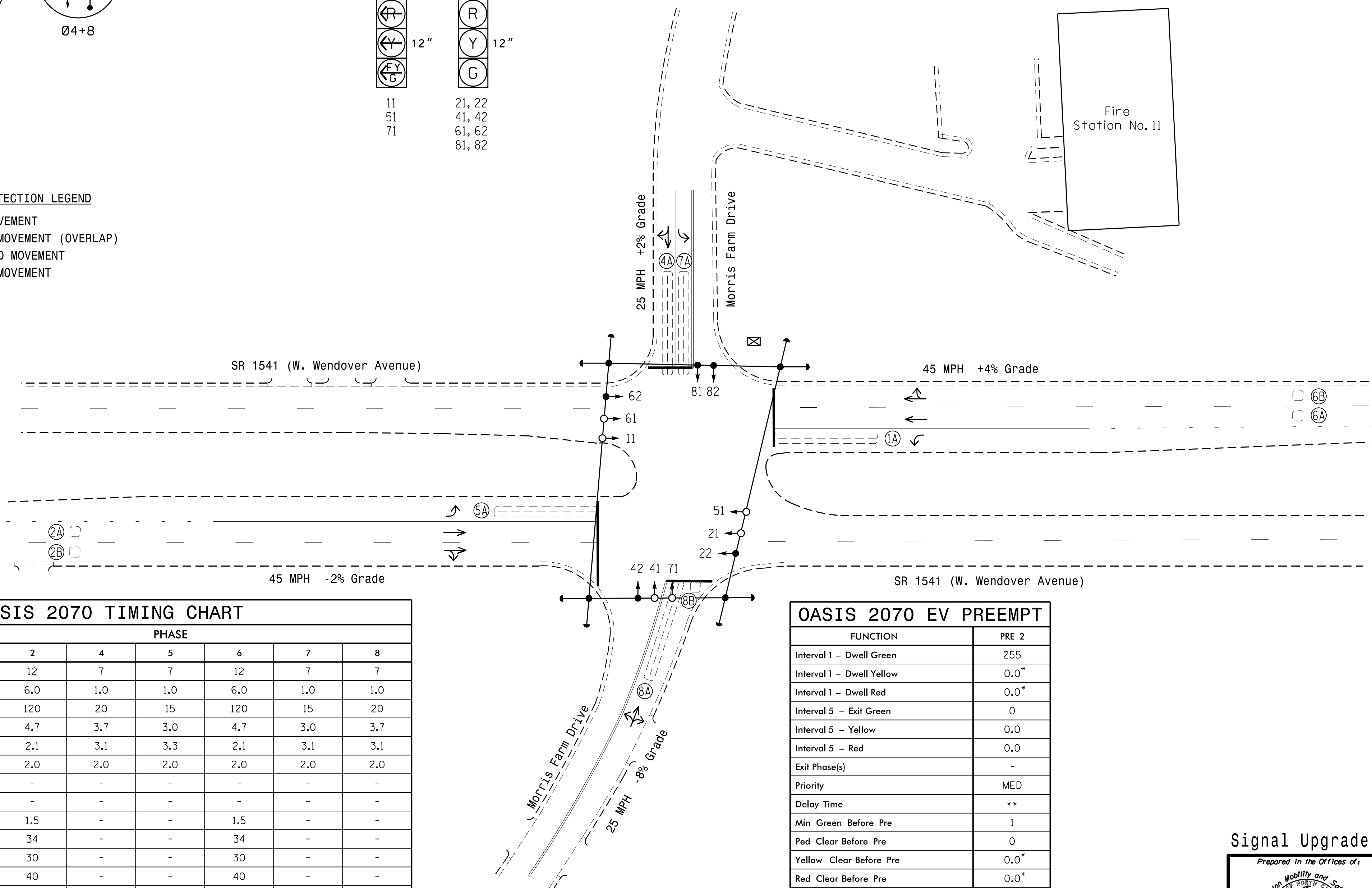
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X60	0	2-4-2	-	1	Y	Y	-	-	15	-	Y
2A, 2B	6X6	300	EXIST	-	2	Y	Y	-	-	3	-	Y
4A	6X60	+5	2-4-2	-	4	Y	Y	-	-	10	-	Y
5A	6X60	0	2-4-2	-	2	Y	Y	-	-	3	-	Y
6A, 6B	6X6	300	EXIST	-	6	Y	Y	-	-	-	-	Y
7A	6X60	+5	2-4-2	-	7	Y	Y	-	-	15	-	Y
8A	6X60	0	2-4-2	-	8	Y	Y	-	-	10	-	Y
8B	6X6	0	EXIST	-	8	Y	Y	-	-	15	-	Y

6 Phase Fully Actuated w/ EV Preemption (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.
- Phase 1 and/or phase 5 may be lagged.
- Omit phase 7 during phase 8 on.
- Reposition existing signal heads 22, 42 and 62.
- 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.
- Emergency vehicle preemption switch is located in High Point Fire Station No. 11.
- The Division Traffic Engineer will determine the Delay before Preempt and Preempt Dwell Min Green time for the emergency vehicle preemption timing.
- Program signal heads numbered 41, 42, and 71 to clear to all red before going into preempt.
- Upon completion of Emergency Vehicle Preemption, controller returns to normal operation based on vehicle demand.
- 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 *	1.0	6.0	1.0	1.0	6.0	1.0	1.0	
Max Green 1 *	15	120	20	15	120	15	20	
Yellow Clearance	3.0	4.7	3.7	3.0	4.7	3.0	3.7	
Red Clearance	3.3	2.1	3.1	3.3	2.1	3.1	3.1	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	-	
Seconds Per Actuation *	-	1.5	-	-	1.5	-	-	
Max Variable Initial *	-	34	-	-	34	-	-	
Time Before Reduction *	-	30	-	-	30	-	-	
Time To Reduce *	-	40	-	-	40	-	-	
Minimum Gap	-	3.2	-	-	3.2	-	-	
Recall Mode **	-	SOFT RECALL	-	-	SOFT RECALL	-	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	-	
Dual Entry	-	-	ON	-	-	-	ON	
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	

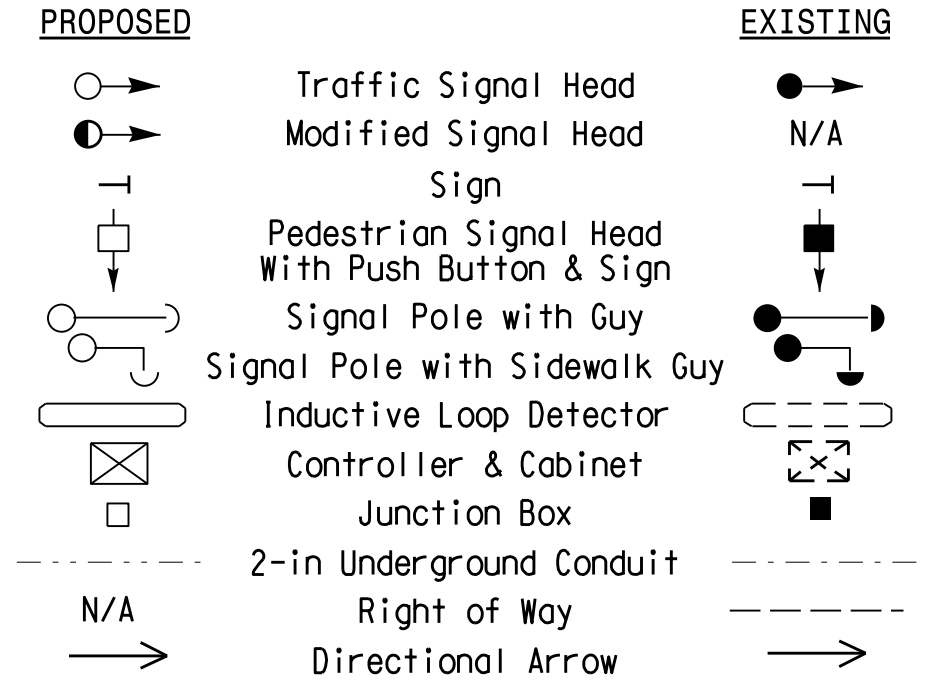
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.
 ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

OASIS 2070 EV PREEMPT

FUNCTION	PRE 2
Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	0.0*
Interval 1 - Dwell Red	0.0*
Interval 5 - Exit Green	0
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exit Phase(s)	-
Priority	MED
Delay Time	**
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
Dwell Min Time	**
Enable Backup Protection	Y
Ped Clear Through Yellow	N
Omit Overlaps	-

* Time defaults to time used for phase during normal operation
 ** See Note #10

LEGEND



Signal Upgrade

Prepared in the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1541 (W. Wendover Avenue) at Morris Farm Drive

Division 7 Guilford County High Point
 PLAN DATE: April 2014 REVIEWED BY:
 PREPARED BY: T. L. Averette REVIEWED BY:

SEAL
 MORTIMER CAROLINA PROFESSIONAL ENGINEER
 SEAL 026486
 ROBERT J. ZIEMBA ENGINEER
 4/8/2015 DATE

SCALE 1"=40'
 REVISIONS INIT. DATE
 SIG. INVENTORY NO. 07-1834

08-Apr-2015 11:08
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