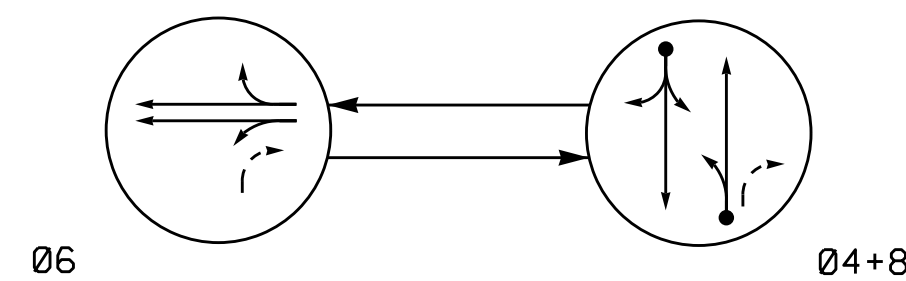


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

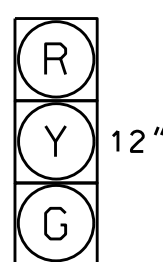
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	04+8	FL
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L-E-D.



41, 42
61, 62
81, 82

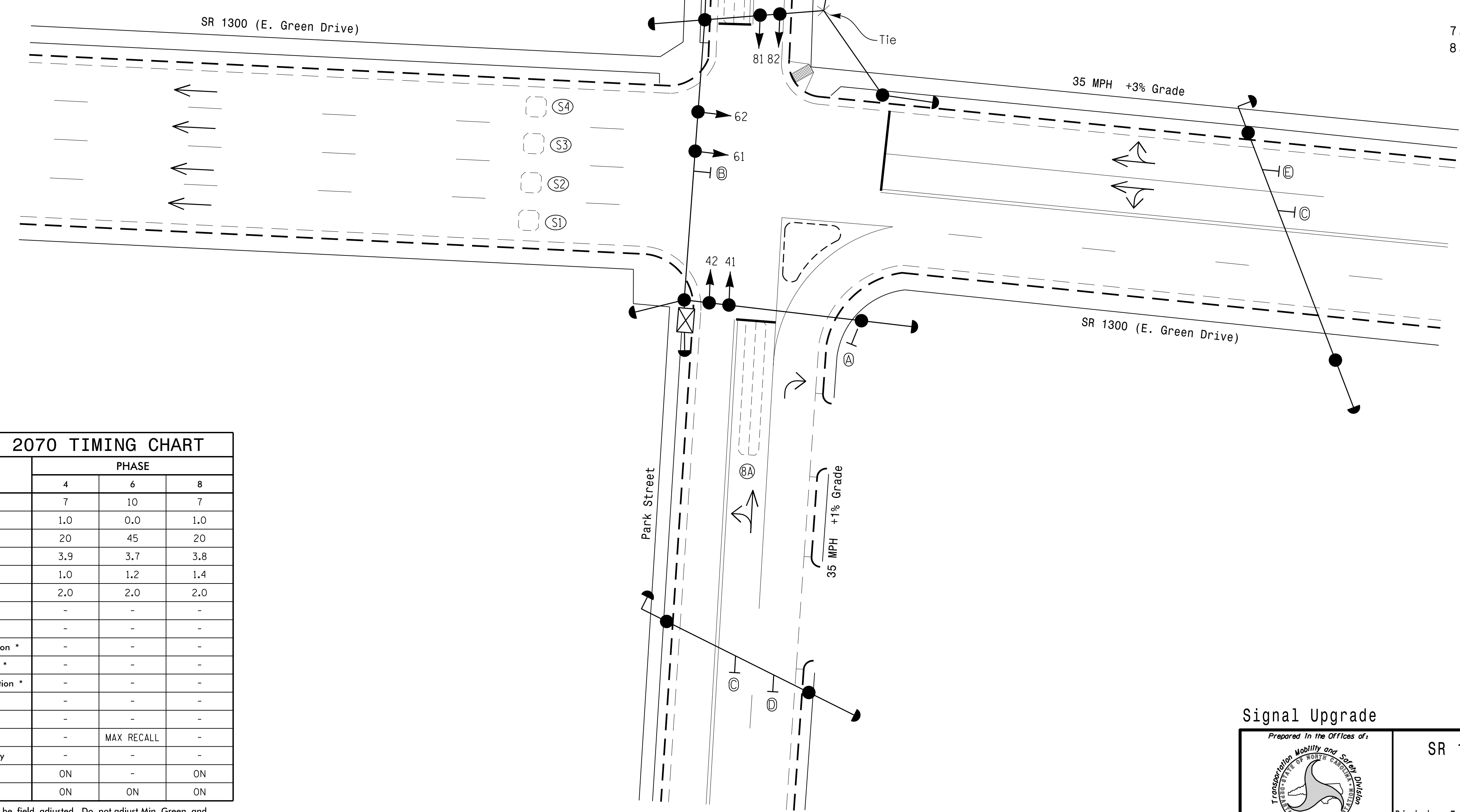
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING EXTENSION	FULL TIME DELAY	STRETCH TIME				
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	5	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	3	-	Y
S1	6X6	+100	EXIST	-	-	-	-	-	-	-	Y	Y
S2	6X6	+100	EXIST	-	-	-	-	-	-	-	Y	Y
S3	6X6	+100	EXIST	-	-	-	-	-	-	-	Y	Y
S4	6X6	+100	EXIST	-	-	-	-	-	-	-	Y	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.
- Existing lane control signs may be removed at the direction of the Engineer.
- Pavement markings are existing.
- 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		
	4	6	8
Min Green 1 *	7	10	7
Extension 1 *	1.0	0.0	1.0
Max Green 1 *	20	45	20
Yellow Clearance	3.9	3.7	3.8
Red Clearance	1.0	1.2	1.4
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	-	MAX RECALL	-
Vehicle Call Memory	-	-	-
Dual Entry	ON	-	ON
Simultaneous Gap	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

- | | | | |
|--|---|--|---|
| | PROPOSED Traffic Signal Head | | EXISTING Traffic Signal Head |
| | PROPOSED Modified Signal Head | | EXISTING N/A |
| | PROPOSED Pedestrian Signal Head With Push Button & Sign | | EXISTING Pedestrian Signal Head With Push Button & Sign |
| | PROPOSED Signal Pole with Guy | | EXISTING Signal Pole with Sidewalk Guy |
| | PROPOSED Inductive Loop Detector | | EXISTING Inductive Loop Detector |
| | PROPOSED Controller & Cabinet | | EXISTING Controller & Cabinet |
| | PROPOSED Junction Box | | EXISTING Junction Box |
| | PROPOSED 2-in Underground Conduit | | EXISTING 2-in Underground Conduit |
| | PROPOSED Right of Way | | EXISTING Right of Way |
| | PROPOSED Directional Arrow | | EXISTING Directional Arrow |
| | PROPOSED Metal Strain Pole | | EXISTING Metal Strain Pole |
| | PROPOSED Fire Hydrant | | EXISTING Fire Hydrant |
| | PROPOSED "YIELD" Sign (R1-2) | | EXISTING "YIELD" Sign (R1-2) |
| | PROPOSED "BEGIN ONE WAY" Sign (R6-6) | | EXISTING "BEGIN ONE WAY" Sign (R6-6) |
| | PROPOSED Combined Through and Left Arrow Sign (R3-6L) | | EXISTING Combined Through and Left Arrow Sign (R3-6L) |
| | PROPOSED Right Arrow "ONLY" Sign (R3-5R) | | EXISTING Right Arrow "ONLY" Sign (R3-5R) |
| | PROPOSED Combined Through and Right Arrow Sign (R3-6R) | | EXISTING Combined Through and Right Arrow Sign (R3-6R) |

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1300 (E. Green Drive) at Park Street

Division 7 Guilford County High Point

PLAN DATE: March 2014 PREPARED BY: R.N. Zinser

PREPARED BY: T. L. Averette REVIEWED BY:

SEAL

ROBERT J. ZIEMBA
ENGINEER
026486

3/5/2015

SIG. INVENTORY NO. 07-0587

05-MAR-2015 08:39
 S:\IT\SSU\ITS_Signal\Signal Design\Section\Central_Regional\iv_74c-5558_High_Point\Signal_Plans\070587_Sig.dsn_20150305.dgn
 rz1:erbo