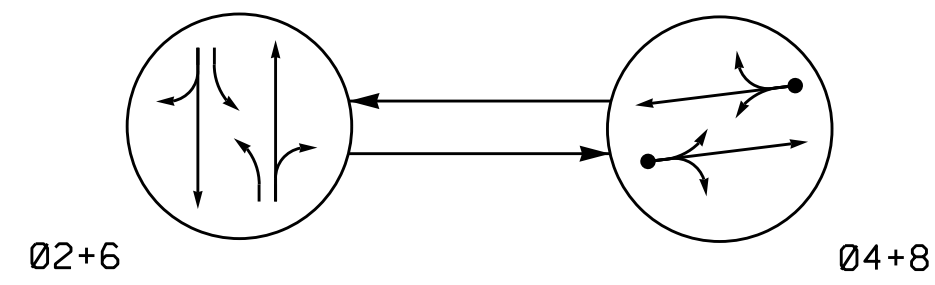


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

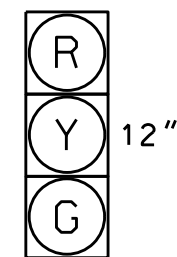
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	0+6	0+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
41, 42
61, 62
81, 82

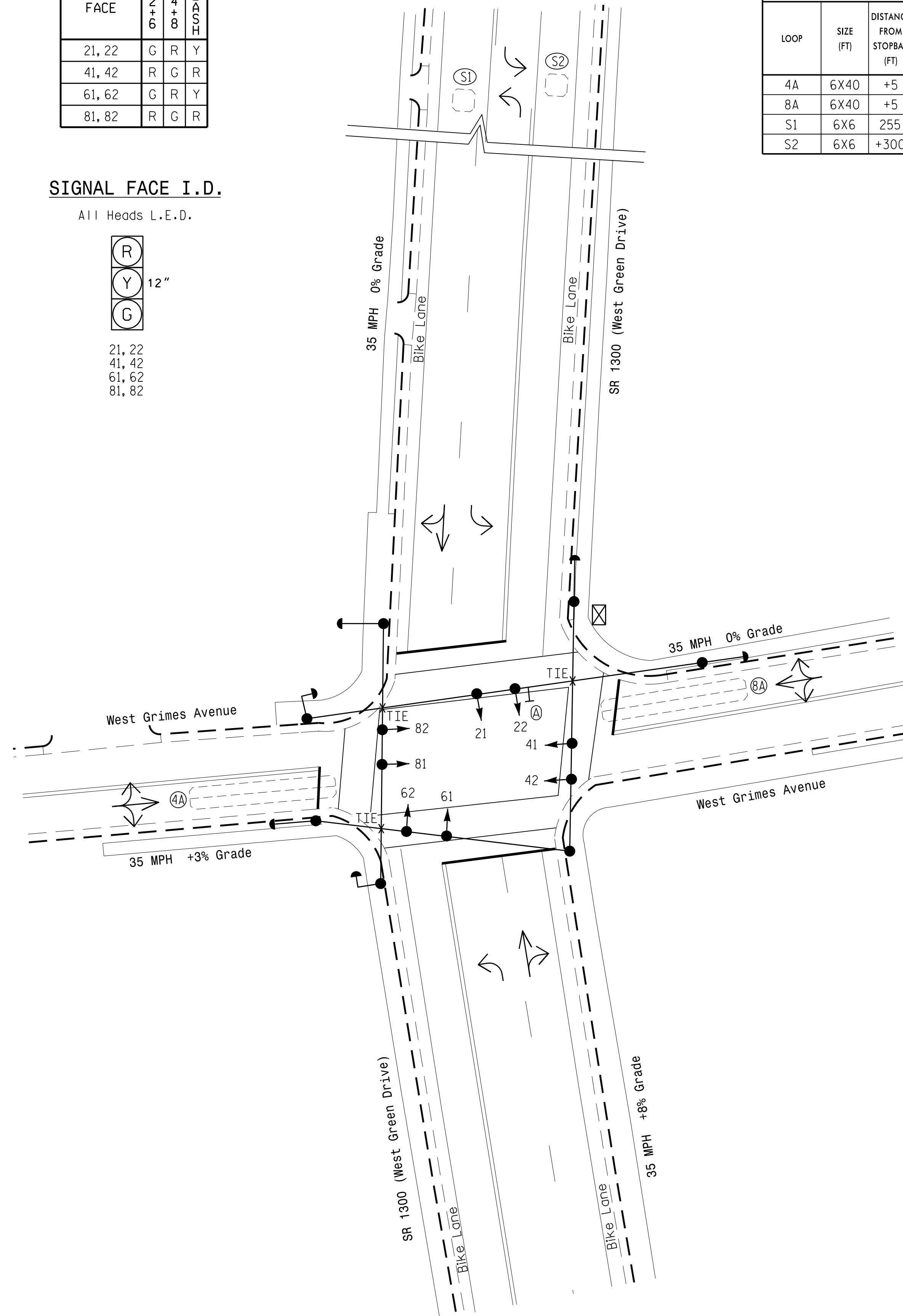
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
4A	6X40	+5	2-4-2	-	4	Y	Y	-	5	-	Y
8A	6X40	+5	2-4-2	-	8	Y	Y	-	5	-	Y
S1	6X6	255	EXIST	-	-	-	-	-	-	-	Y
S2	6X6	+300	EXIST	-	-	-	-	-	-	-	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.
- 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	2.0	0.0	2.0
Max Green 1 *	35	25	35	25
Yellow Clearance	3.4	3.7	3.8	3.8
Red Clearance	1.2	1.4	1.0	1.5
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL	-
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

- | PROPOSED | EXISTING |
|----------|----------|
| ○ → | ● → |
| ● → | N/A |
| ⊥ | ⊥ |
| ⊥ | ⊥ |
| ○ → | ○ → |
| ○ → | ○ → |
| ⊗ | ⊗ |
| □ | □ |
| - - - | - - - |
| N/A | N/A |
| → | → |
| ⊗ | ⊗ |
- Traffic Signal Head
 Modified Signal Head
 Sign
 Pedestrian Signal Head With Push Button & Sign
 Signal Pole with Guy
 Signal Pole with Sidewalk Guy
 Inductive Loop Detector
 Controller & Cabinet
 Junction Box
 2-in Underground Conduit
 Right of Way
 Directional Arrow
 "NO TURN ON RED" Sign (R10-11)

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1300 (West Green Drive)
at
West Grimes Avenue

Division 7 Guilford County High Point

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

PREPARED BY: Jeff Spence REVIEWED BY:

SEAL

3/27/2015

SIG. INVENTORY NO. 07-0792

SCALE 0 20
1"=20'