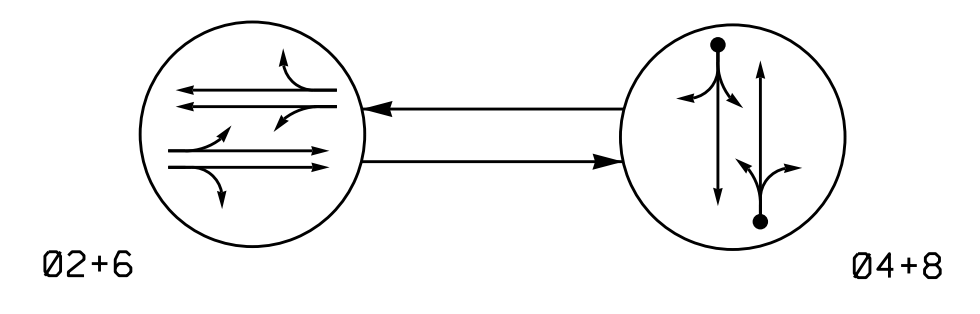


PHASING DIAGRAM



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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

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	FULL TIME DELAY	STRETCH TIME			DELAY TIME
4A	6X60	0	2-4-2	-	4	Y	Y	-	-	5	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	5	-	Y
S1	6X6	EXIST	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	EXIST	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	EXIST	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	EXIST	EXIST	-	-	-	-	-	-	-	-	Y

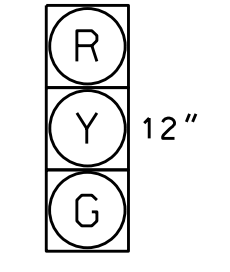
2 Phase
Semi-Actuated
(High Point Signal System)

NOTES

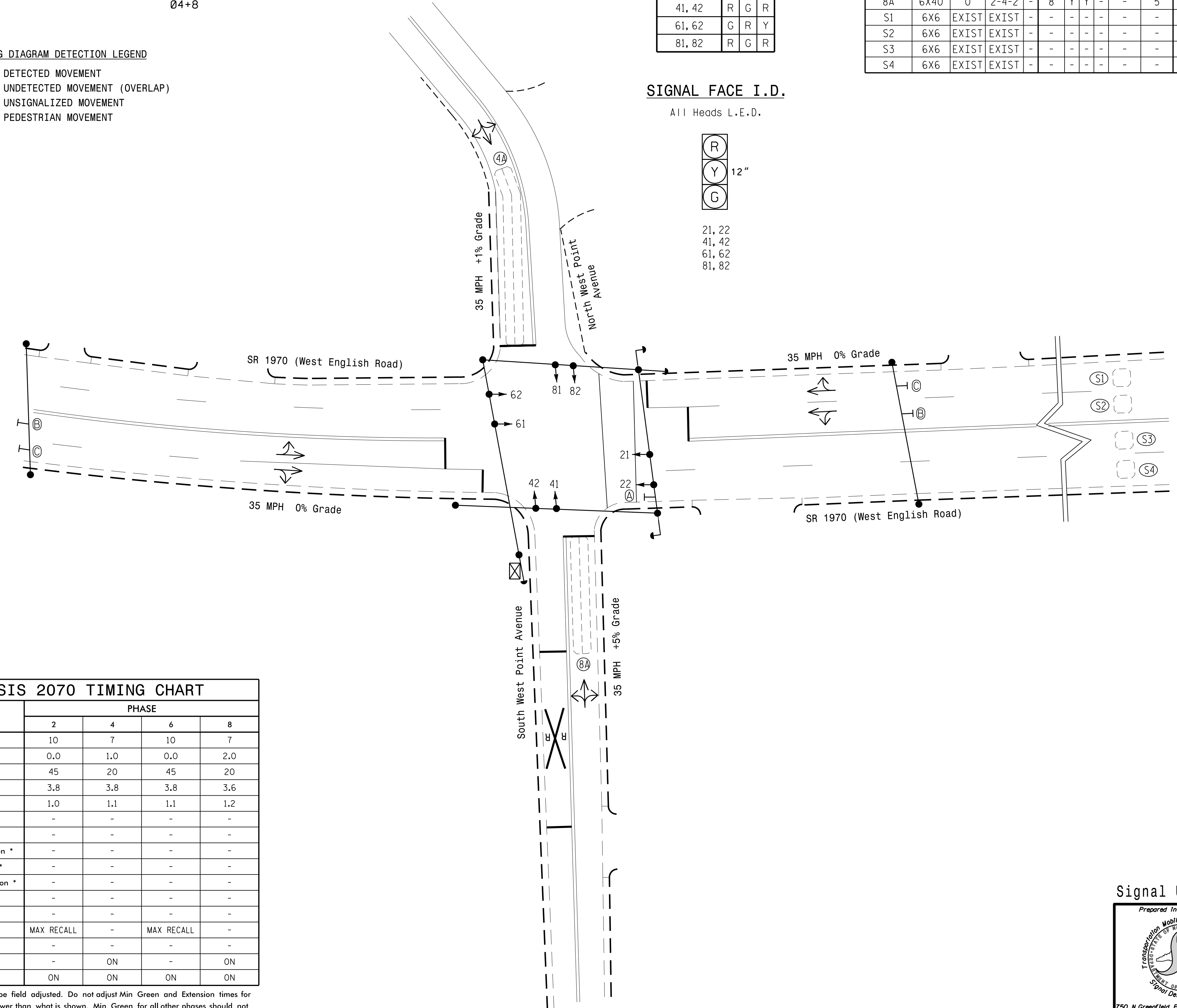
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 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.

SIGNAL FACE I.D.

All Heads L.E.D.



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



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	1.0	0.0	2.0
Max Green 1 *	45	20	45	20
Yellow Clearance	3.8	3.8	3.8	3.6
Red Clearance	1.0	1.1	1.1	1.2
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
	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)
	Combined Through and Left Arrow Sign (R3-6L)
	Combined Through and Right Arrow Sign (R3-6R)

Signal Upgrade

SR 1970 (W. English Rd.)
at
West Point Avenue

Division 7 Guilford County High Point

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

PREPARED BY: Jeff Spence REVIEWED BY:

SEAL

ROBERT J. ZIERKE

ENGINEER

026486

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 0 20
1"=20'

REVISIONS	INIT.	DATE

4/21/2015

SIG. INVENTORY NO. 07-0776

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 RZT:erba