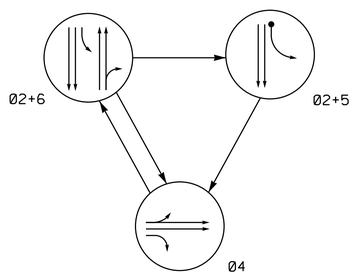
PROJECT REFERENCE NO.	SHEET NO.
C-5558	Sig. 12.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE 02+6	PHASE 02+5	PHASE 04	FLASH
22, 23	G	G	R	Y
41, 42	R	R	G	R
43	R	R	→	R
51	~~F Y~~	←	~~R~~	~~Y~~
61, 62	G	R	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.

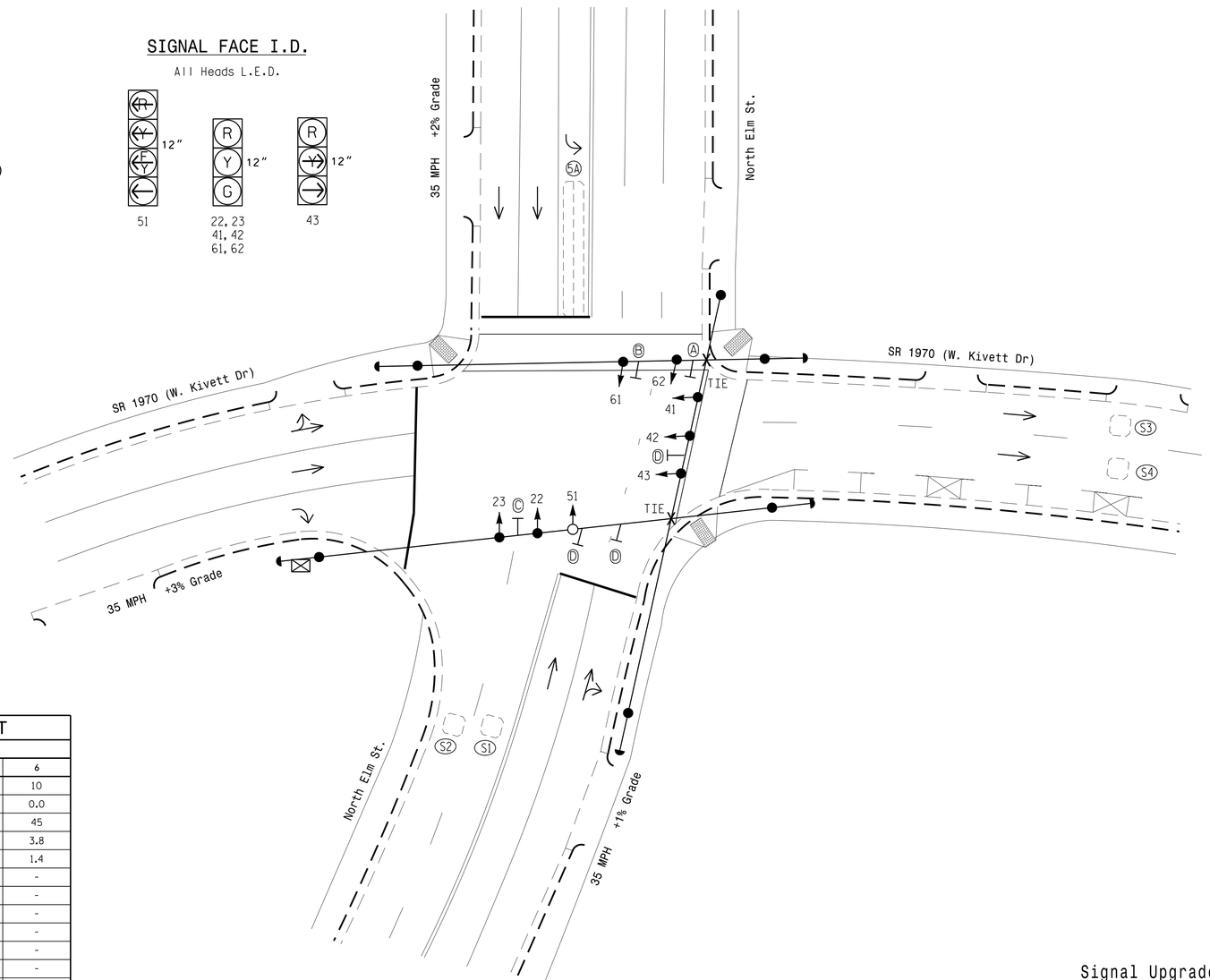
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-	Y
S1	6X6	+120	EXIST	-	-	-	-	-	-	-	Y	Y
S2	6X6	+120	EXIST	-	-	-	-	-	-	-	Y	Y
S3	6X6	+205	EXIST	-	-	-	-	-	-	-	Y	Y
S4	6X6	+205	EXIST	-	-	-	-	-	-	-	Y	Y

3 Phase
Semi-Actuated
(High Point Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may lead.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	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	
N/A	Right of Way	
	Directional Arrow	
N/A	Curb Ramp	
A	"NO TURN ON RED" Sign (R10-11)	A
B	Right "ONE WAY" Arrow Sign (R6-1R)	B
C	Left "ONE WAY" Arrow Sign (R6-1L)	C
D	Angled Through Arrow Sign	D

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 5	PHASE 6
Min Green 1 *	10	7	7	10
Extension 1 *	0.0	0.0	2.0	0.0
Max Green 1 *	45	25	15	45
Yellow Clearance	3.8	3.7	3.0	3.8
Red Clearance	1.4	1.7	1.9	1.4
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	-	MAX RECALL
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
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.

Signal Upgrade

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 20 1"=20'

North Elm Street
at
SR 1970 (W. Kivett Dr.)

Division 7 Guilford County High Point

PLAN DATE:	April 2014	PREPARED BY:	R.N. Zinser
PREPARED BY:	L. Blount	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 026486 ENGINEER ROBERT J. ZIEMBA
DocuSigned by: 4/23/2015
SIGNATURE DATE
SIG. INVENTORY NO. 07-0402

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