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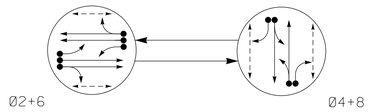
PROJECT REFERENCE NO.	SHEET NO.
C-5558	Sig. 219.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

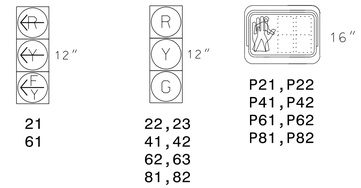
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2+6	PHASE Ø4+8	FLASH
21	F Y	R	Y
22,23	G	R	Y
41,42	R	G	R
61	F Y	R	Y
62,63	G	R	Y
81,82	R	G	R
P21,P22	W	DW	DRK
P41,P42	DW	W	DRK
P61,P62	W	DW	DRK
P81,P82	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



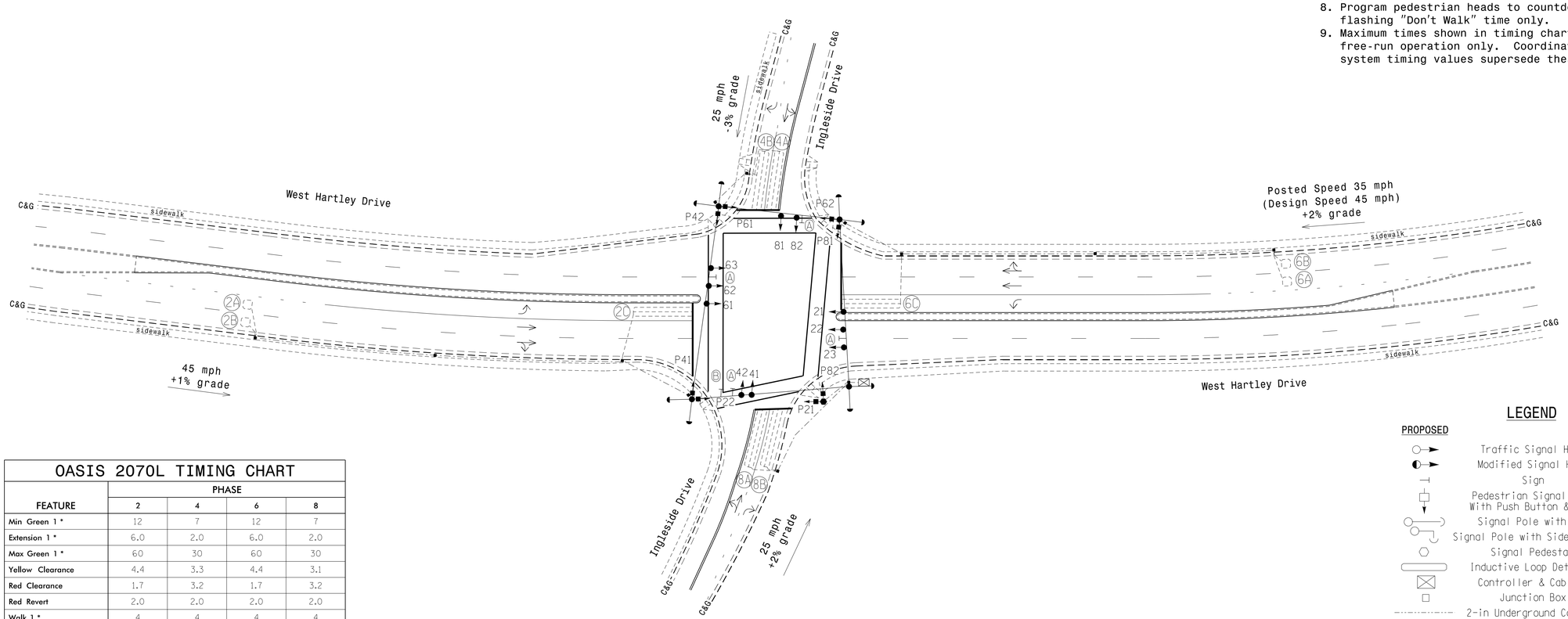
OASIS 2070L LOOP & DETECTOR INSTALLATION CHART

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
2A	6x6	300	6	-	2	Y	Y	-	-	-	- Y
2B	6x6	300	6	-	2	Y	Y	-	-	-	- Y
2C	6x40	0	2-4-2	-	2	Y	Y	Y	-	3	- Y
4A	6x40	0	2-4-2	-	4	Y	Y	-	-	3	- Y
4B	6x40	0	2-4-2	-	4	Y	Y	-	-	10	- Y
6A	6x6	300	4	-	6	Y	Y	-	-	-	- Y
6B	6x6	300	4	-	6	Y	Y	-	-	-	- Y
6C	6x40	0	2-4-2	-	6	Y	Y	Y	-	3	- Y
8A	6x40	0	2-4-2	-	8	Y	Y	-	-	3	- Y
8B	6x40	0	2-4-2	-	8	Y	Y	-	-	10	- Y

2 Phase
Fully 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. Set all detector units to presence mode.
4. 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.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



OASIS 2070L TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 6	PHASE 8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	60	30	60	30
Yellow Clearance	4.4	3.3	4.4	3.1
Red Clearance	1.7	3.2	1.7	3.2
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	4	4	4	4
Don't Walk 1	12	25	11	23
Seconds Per Actuation *	1.7	-	1.7	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.8	-	3.8	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
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	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Signal Pedestal	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
Ⓐ	Street Name Sign	Ⓐ
Ⓑ	"NO TURN ON RED" Sign (R10-11)	Ⓑ

Signal Upgrade

Prepared for the Offices of:

HIGH POINT
NORTH CAROLINA'S INTERNATIONAL CITY

Department of Transportation
211 S. Hamilton Street
High Point, NC 27260

SCALE 0 40
1"=40'

West Hartley Drive at Ingleside Drive

Division 7 Guilford County High Point

PLAN DATE:	January 2015	REVIEWED BY:	MB Toth
PREPARED BY:	LM Moon	REVIEWED BY:	LM Moon

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 025892 ENGINEER MELISSA B. TOTH

DocuSigned by: Melissa B. Toth 6/5/2015
DATE

SIG. INVENTORY NO. HP091I

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

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