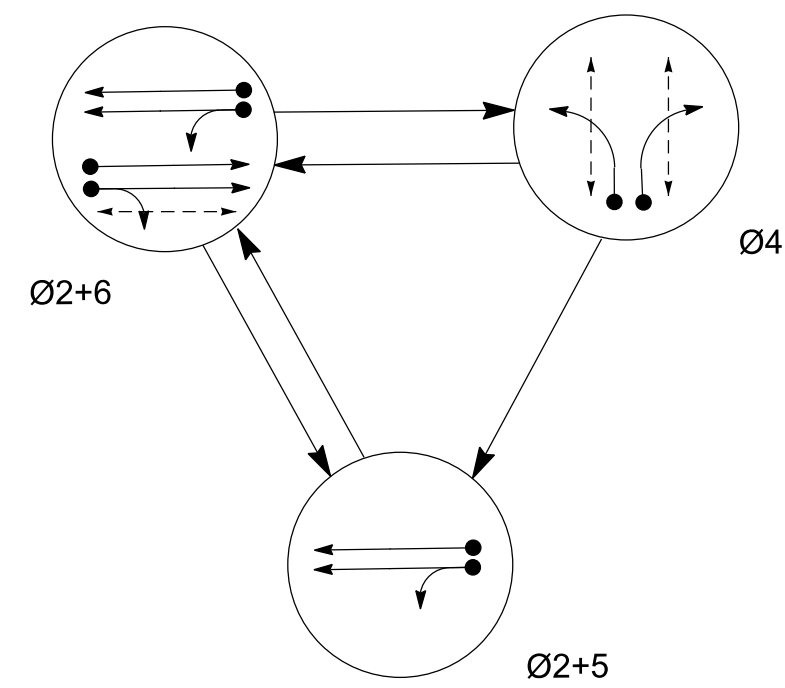


PHASING DIAGRAM

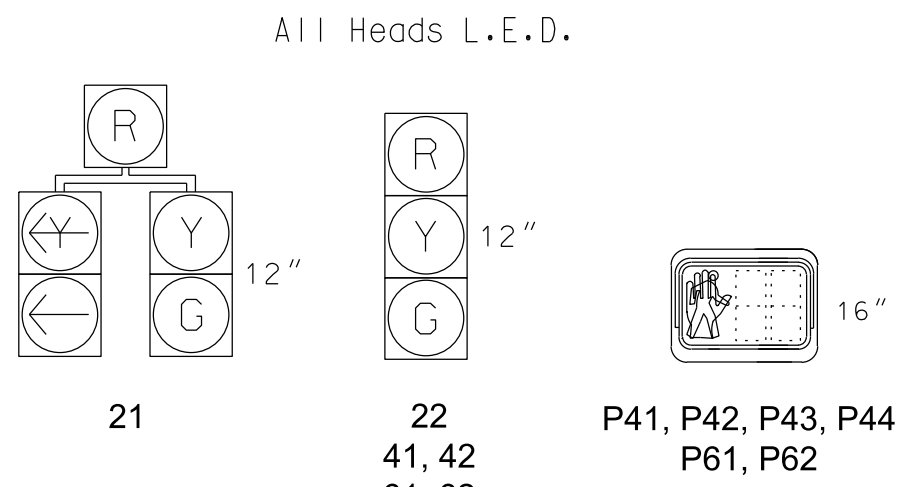


SIGNAL FACE	PHASE			
	Ø 2 + 5	Ø 2 + 6	Ø 4	FLASH
21	G	G	R	Y
22	G	G	R	Y
41, 42	R	R	G	R
61, 62	R	G	R	Y
P41,P42,P43,P44	DW	DW	W	DRK
P61,P62	DW	W	DW	DRK

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

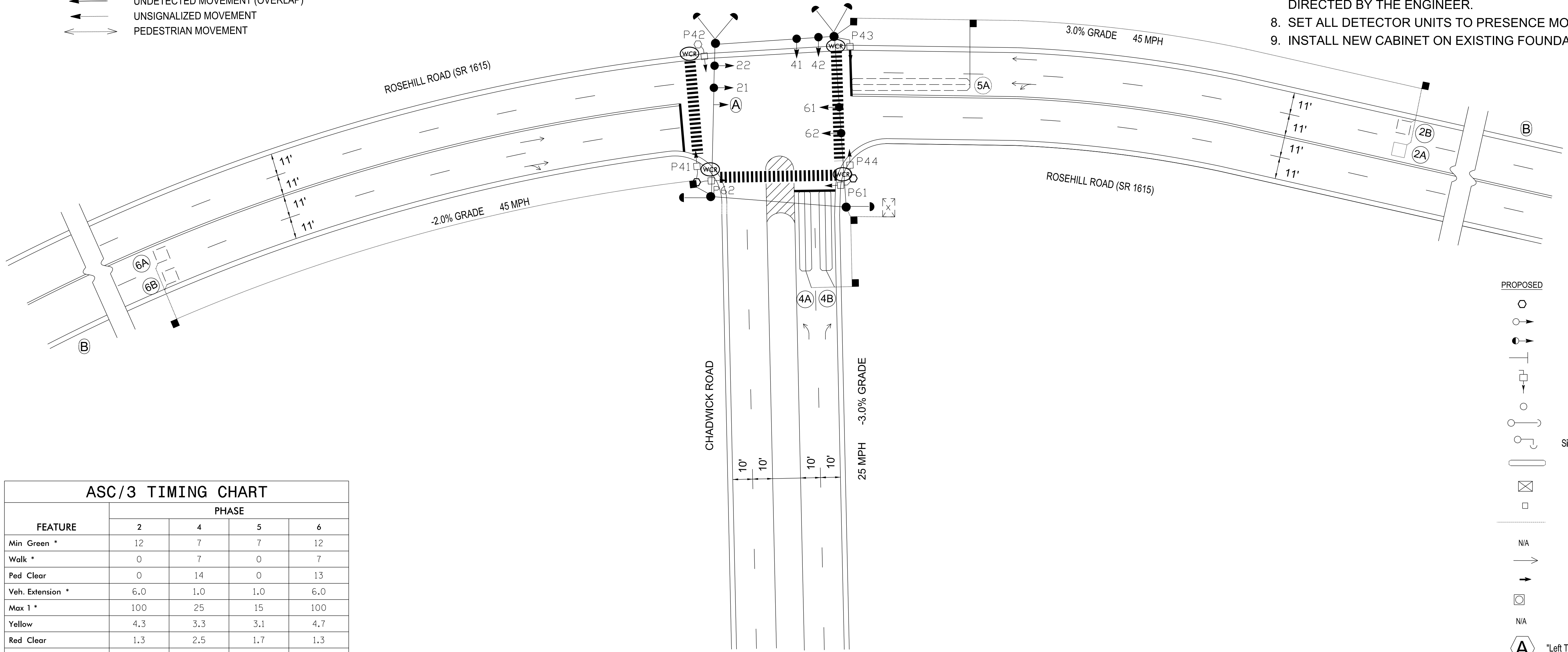


ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD	
2A	6X6	300	4	N	2	-	-	S	N	Y	
2B	6X6	300	4	N	2	-	-	S	N	Y	
4A	6X40	0	2-4-2	Y	4	-	-	S	N	Y	
4B	6X40	0	2-4-2	Y	4	-	-	S	N	Y	
5A	6X60	0	2-4-2	N	2	-	3	S	N	Y	
6A	6X6	300	4	N	6	-	15	S	N	Y	
6B	6X6	300	4	N	6	-	-	S	N	Y	

3 PHASE FULLY ACTUATED CITY OF FAYETTEVILLE SIGNAL SYSTEM

NOTES

- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JANUARY 2012 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- PAVEMENT MARKINGS ARE EXISTING.
- MAXIMUM TIMES SHOWN IN TIMINGS CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMINGS VALUES SHALL SUPERCEDE THESE VALUES.
- THIS SIGNAL IS PART OF THE FAYETTEVILLE SIGNAL SYSTEM.
- OMIT "WALK" AND FLASHING "DON'T WALK" WITH NO PEDESTRIAN CALLS.
- PROGRAM PEDESTRIAN HEADS TO COUNTDOWN THE FLASHING "DON'T WALK" TIME ONLY.
- DO NOT PROGRAM SIGNAL FOR LATE NIGHT FLASHING UNLESS DIRECTED BY THE ENGINEER.
- SET ALL DETECTOR UNITS TO PRESENCE MODE.
- INSTALL NEW CABINET ON EXISTING FOUNDATION.



FEATURE	PHASE			
	2	4	5	6
Min Green *	12	7	7	12
Walk *	0	7	0	7
Ped Clear	0	14	0	13
Veh. Extension *	6.0	1.0	1.0	6.0
Max 1 *	100	25	15	100
Yellow	4.3	3.3	3.1	4.7
Red Clear	1.3	2.5	1.7	1.3
Red Revert	0.0	0.0	0.0	0.0
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	1.5	-	-	1.5
Max Initial *	34	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	45	-	-	45
Minimum Gap	1.5	-	-	1.5
Locking Detector	X	-	-	X
Recall Position	MIN. RECALL	-	-	MIN. RECALL
Dual Entry	ON	-	-	ON
Simultaneous Gap	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	⤴
A	A
B	B

Signal Upgrade

Fayetteville

ROSEHILL ROAD AT CHADWICK ROAD

Prepared In the Offices of:

Hatch Mott MacDonald

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Fayetteville, NC 27526
www.hatchmott.com

HATCH MOTT MACDONALD & E, LLC
LICENSE NO. F-4669

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: **NOVEMBER 2016** REVIEWED BY: **RWT**

PREPARED BY: **BLR** REVIEWED BY:

REVISIONS	INIT.	DATE

Seal: **Russell W. Thompson**, 11/21/2016

DATE: _____

SIG. INVENTORY NO. **C020**

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