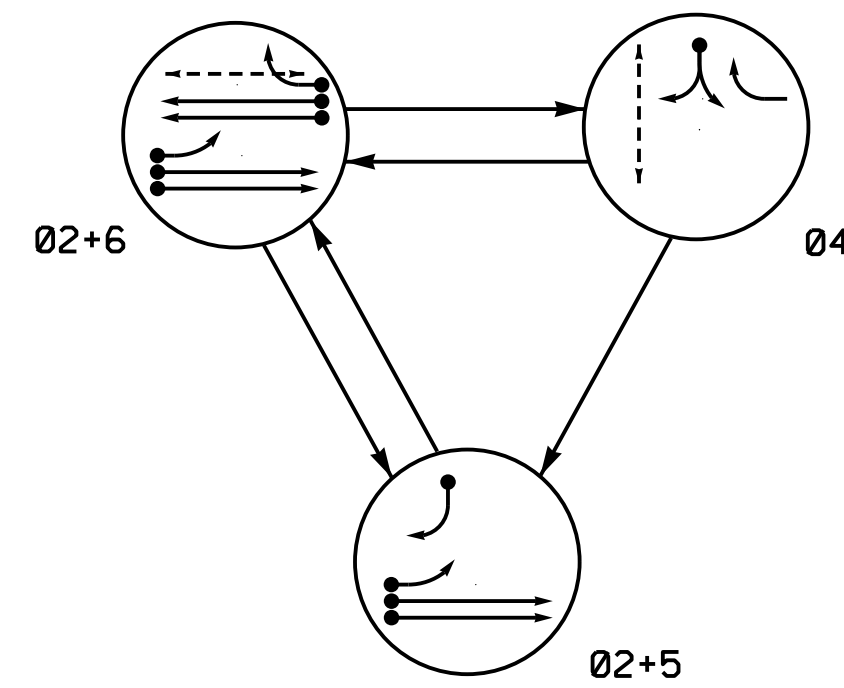


PHASING DIAGRAM

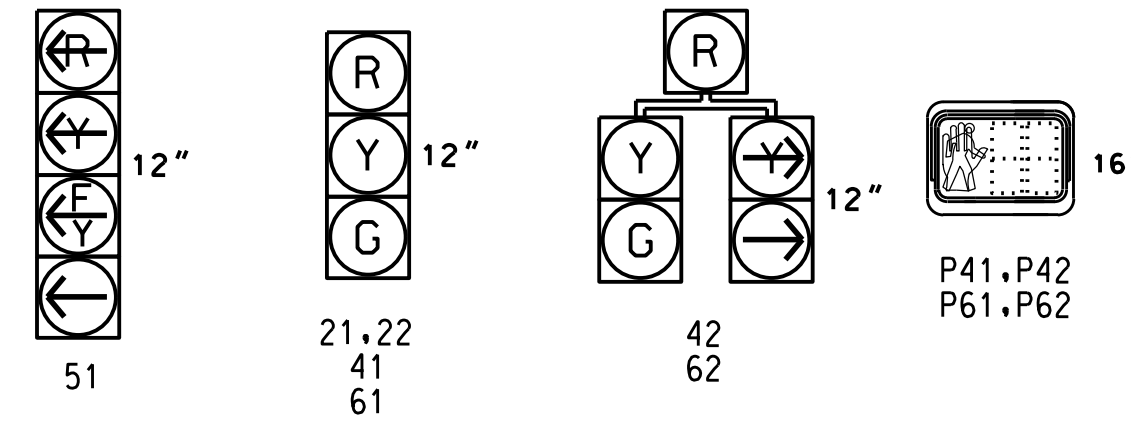


PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←- - -> UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLASH
21,22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	-	F	R	Y
61	R	G	R	Y
62	R	G	R	Y
P41,P42	DW	DW	W	DRK
P61,P62	DW	W	DW	DRK

SIGNAL FACE I.D.
All Heads L.E.D.

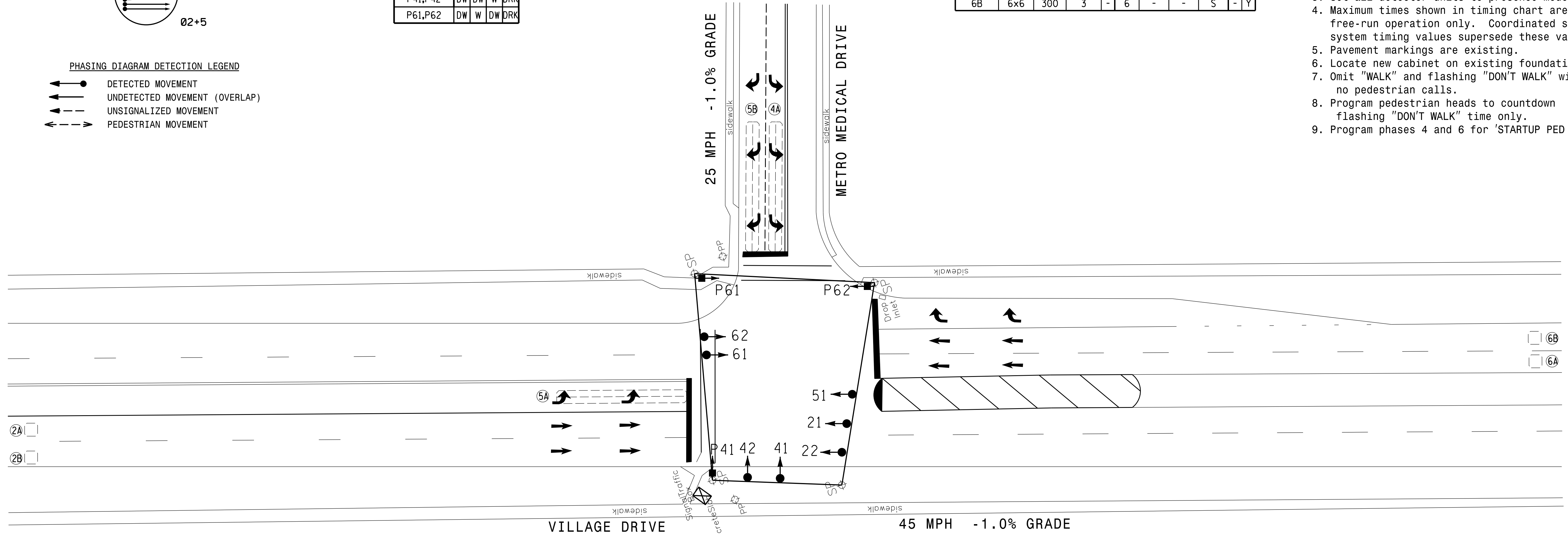


ASC/3 DETECTOR INSTALLATION CHART											
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING					SYSTEM LOOP	NEW CARD
					PHASE	EXTEND TIME	DELAY TIME	TYPE			
2A	6x6	300	3	-	2	-	-	S	-	Y	
2B	6x6	300	3	-	2	-	-	S	-	Y	
4A	6x60	0	2-4-2	-	4	-	-	S	-	Y	
5A	6x60	0	2-4-2	-	5	-	15	S	-	Y	
5B	6x60	0	2-4-2	-	5	-	15	S	-	Y	
6A	6x6	300	3	-	6	-	-	S	-	Y	
6B	6x6	300	3	-	6	-	-	S	-	Y	

3 PHASE FULLY ACTUATED FAYETTEVILLE SIGNAL SYSTEM

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated July 2012 and "Standard Specifications for Roads and Structures" dated July 2012.
2. Phase 5 may be lagged.
3. Set all detector units to presence mode.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
5. Pavement markings are existing.
6. Locate new cabinet on existing foundation.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown flashing "DON'T WALK" time only.
9. Program phases 4 and 6 for 'STARTUP PED CALL'.



FEATURE	PHASE			
	2	4	5	6
Min Green *	12	7	7	12
Walk *	0	7	0	7
Ped Clear	0	17	0	12
Veh. Extension *	6.0	1.0	1.0	6.0
Max I *	90	20	20	90
Yellow	4.6	3.2	3.2	4.6
Red Clear	1.1	2.5	2.4	1.3
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	1.5	-	-	1.5
Max Initial *	34	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	30	-	-	30
Minimum Gap	3.0	-	-	3.0
Locking Detector	X	-	-	X
Recall Position	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-
Simultaneous Gap	X	X	X	X

* 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

default \\NCF-DATA\Proj\360655_U-5742_Fay-Sig\Project\SIGNALS\Design\100%FINAL SEALED PLANS\Revised 11/21/2016\11/21/2016 10:32:23 AM

Prepared In the Offices of
Hatch Mott MacDonald
PO Box 700
Fayetteville, NC 27526
www.hatchmott.com

Signal Upgrade

VILLAGE DRIVE AT METRO MEDICAL DRIVE

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

SIG. INVENTORY NO. C026