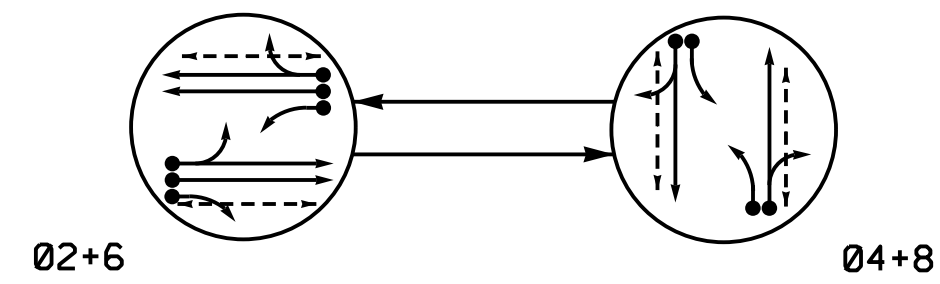


PHASING DIAGRAM



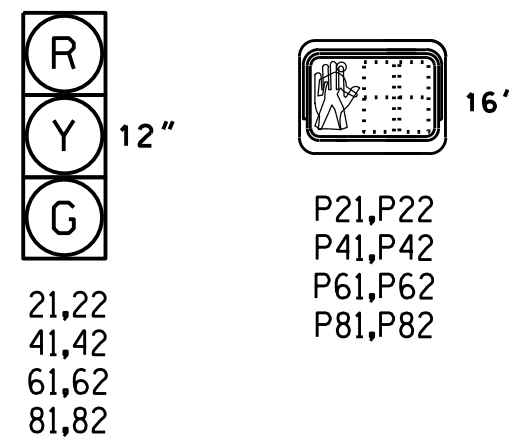
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21,22	G	R	Y
41,42	R	G	R
61,62	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.

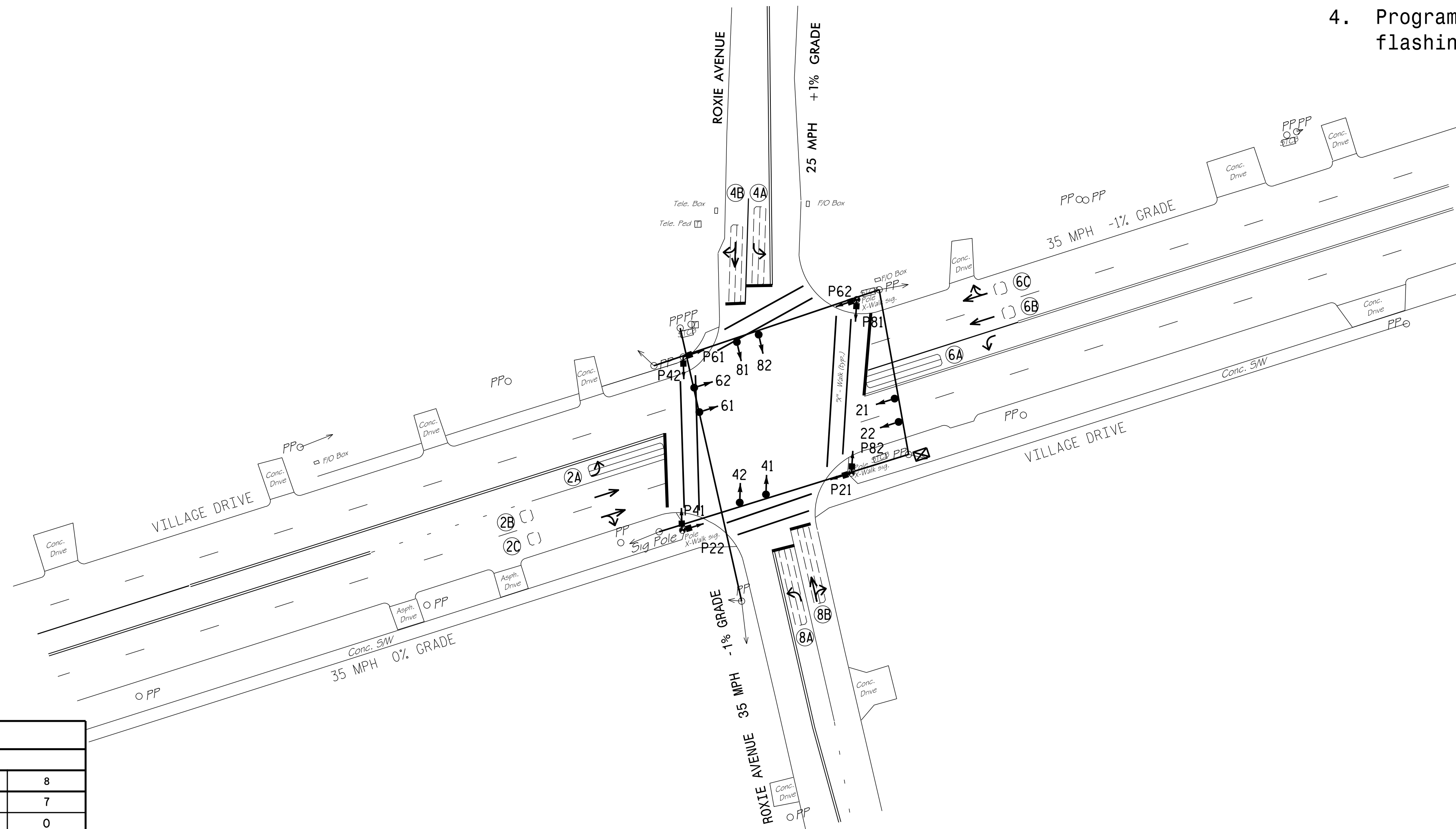


ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR				PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X40	0	2-4-2	-	2	-	-	S	-	Y
2B,2C	6X6	70	4	-	2	-	-	S	-	Y
4A	6X40	0	2-4-2	-	4	-	3	S	-	Y
4B	6X40	0	2-4-2	-	4	-	-	S	-	Y
6A	6X40	0	2-4-2	-	6	-	-	S	-	Y
6B,6C	6X6	70	4	-	6	-	-	S	-	Y
8A	6X40	0	2-4-2	-	8	-	3	S	-	Y
8B	6X40	0	2-4-2	-	8	-	-	S	-	Y

2 PHASE FULLY ACTUATED FAYETTEVILLE SIGNAL SYSTEM

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Locate new cabinet on existing foundation.
3. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
4. Program pedestrian heads to countdown the flashing "DON'T WALK" time only.



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	10	7	10	7
Walk *	0	0	0	0
Ped Clear	8	17	11	15
Veh. Extension *	3.0	1.0	1.0	3.0
Max 1 *	50	20	50	20
Yellow	3.8	3.2	3.8	3.8
Red Clear	1.6	2.9	1.7	2.0
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Lacking Detector	X	-	X	-
Recall Position	VEH, RECALL	-	VEH, RECALL	-
Dual Entry	-	X	-	X
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.

PROPOSED	LEGEND	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	→

default \\NCF-Data\Proj\360655_U-5742-Fay-Sig\Project\Sigs\Design\100%\FINAL SEALED PLANS\Revised 11/21/2016\10:48:35 AM\11/21/2016

Signal Upgrade

Prepared In the Offices of
Hatch Mott MacDonald
 PO Box 700
 Fuquay-Varina, NC 27526
 www.hatchmott.com
 HATCH MOTT MACDONALD & E, LLC
 LICENSE NO. P46629

		VILLAGE DRIVE AT ROXIE AVENUE		SEAL 	
DIV 06 CUMBERLAND COUNTY FAYETTEVILLE		PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT		PREPARED BY: BLR REVIEWED BY:	
SCALE 0 40		REVISIONS		INIT. DATE	
DocuSign Russell W. Thompson 11/21/2016		DATE		SIG. INVENTORY NO. C028	