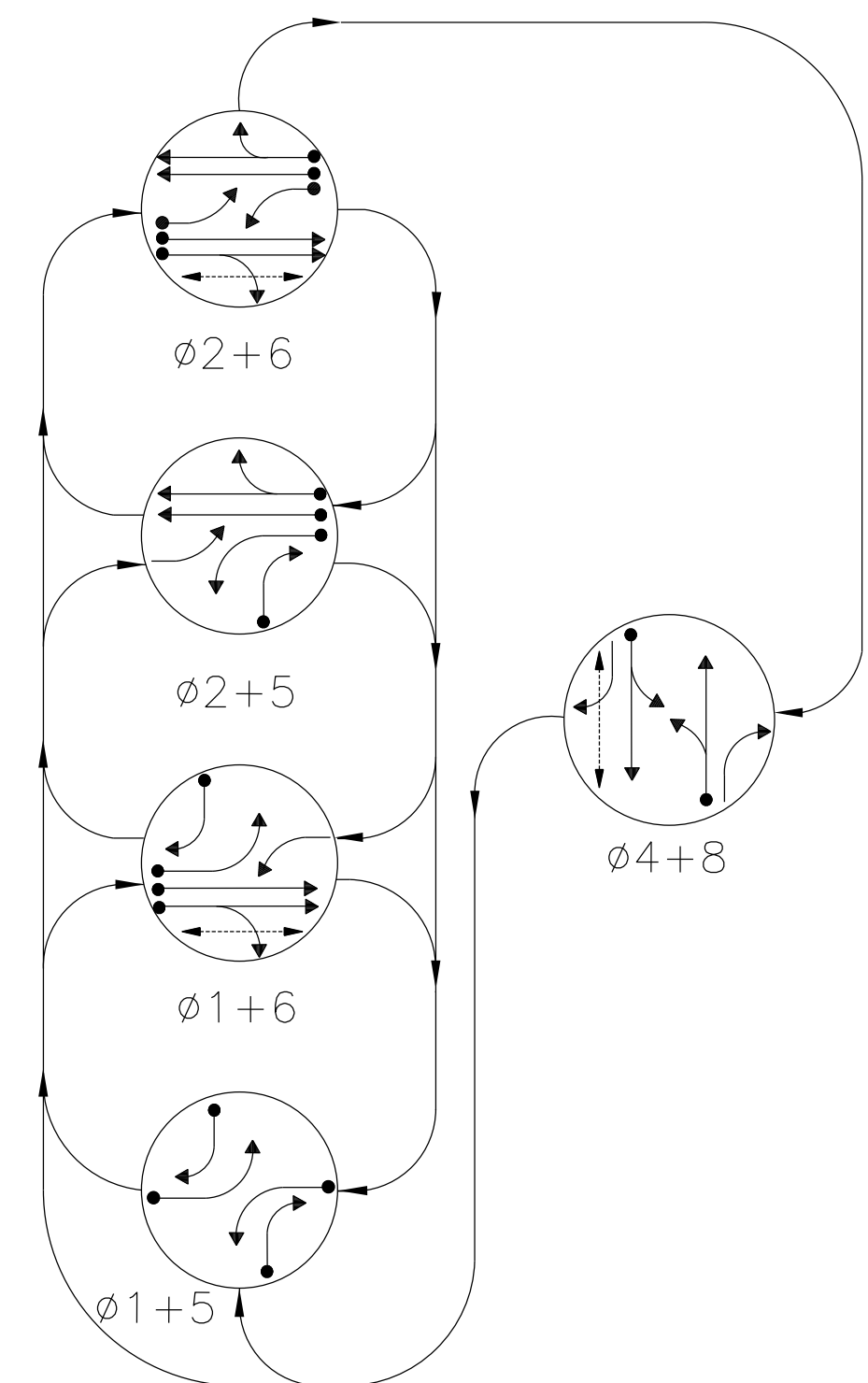


PHASING DIAGRAM

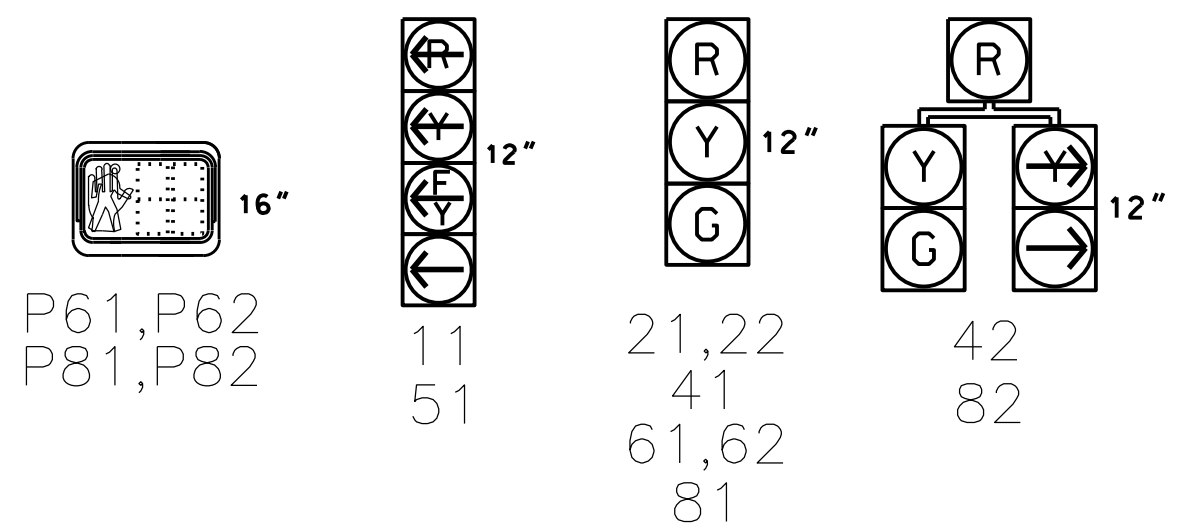


PHASING DIAGRAM
DETECTION LEGEND

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

SIGNAL FACE	PHASE					FLASH
	ø 1+5	ø 1+6	ø 2+5	ø 2+6	ø 4+8	
11	←	←	←	←	←	✱
21,22	R	R	G	G	R	Y
41	R	R	R	R	G	R
42	R	R	R	R	G	R
51	←	←	←	←	←	✱
61,62	R	G	R	G	R	Y
81	R	R	R	R	G	R
82	R	R	R	R	G	R
P61,P62	DW	W	DW	W	DW	DRK
P81,P82	DW	DW	DW	W	DRK	

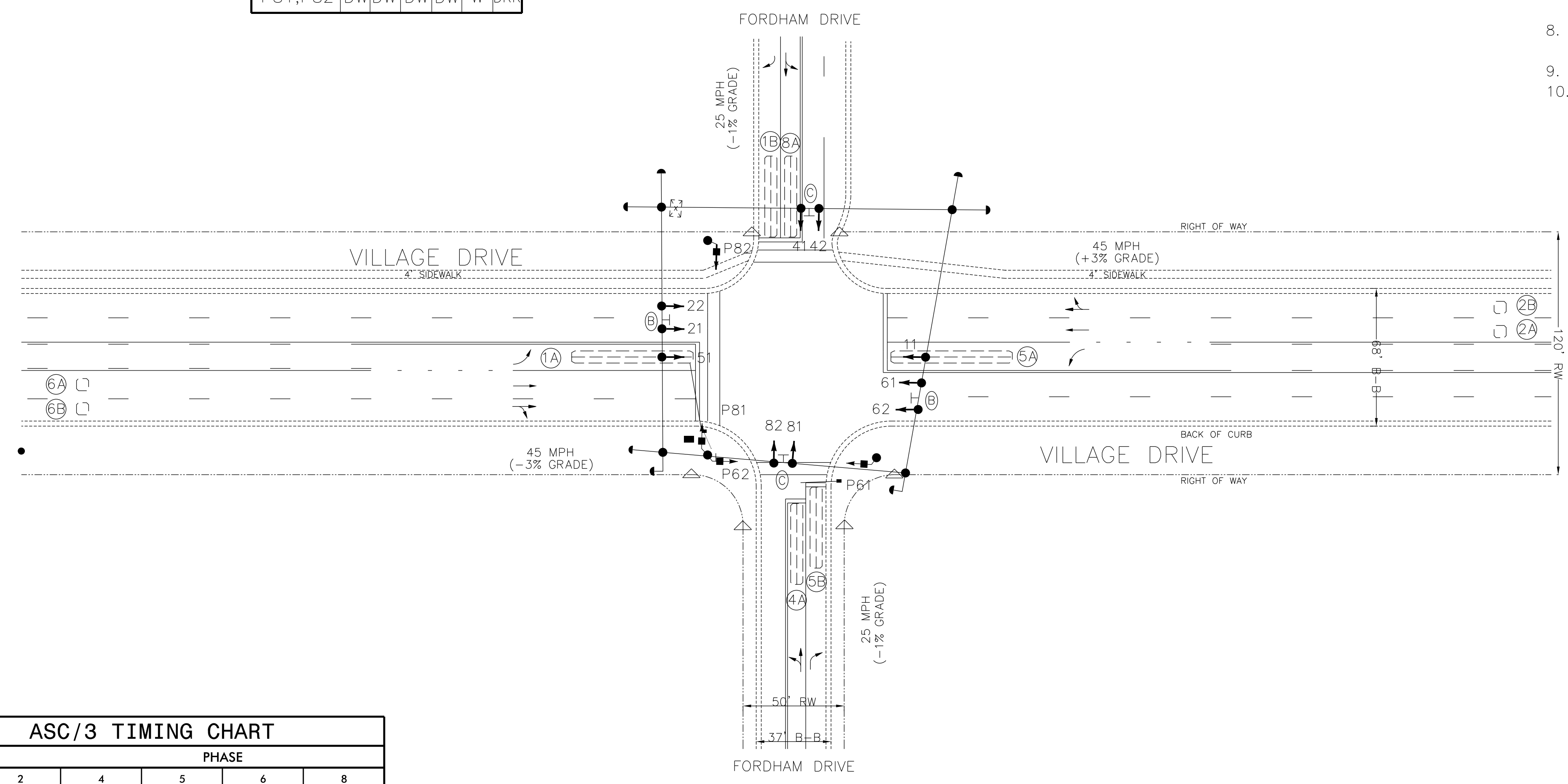
SIGNAL FACE I.D.
All Heads L.E.D.



5 PHASE
FULLY ACTUATED
FAYETTEVILLE SIGNAL SYSTEM

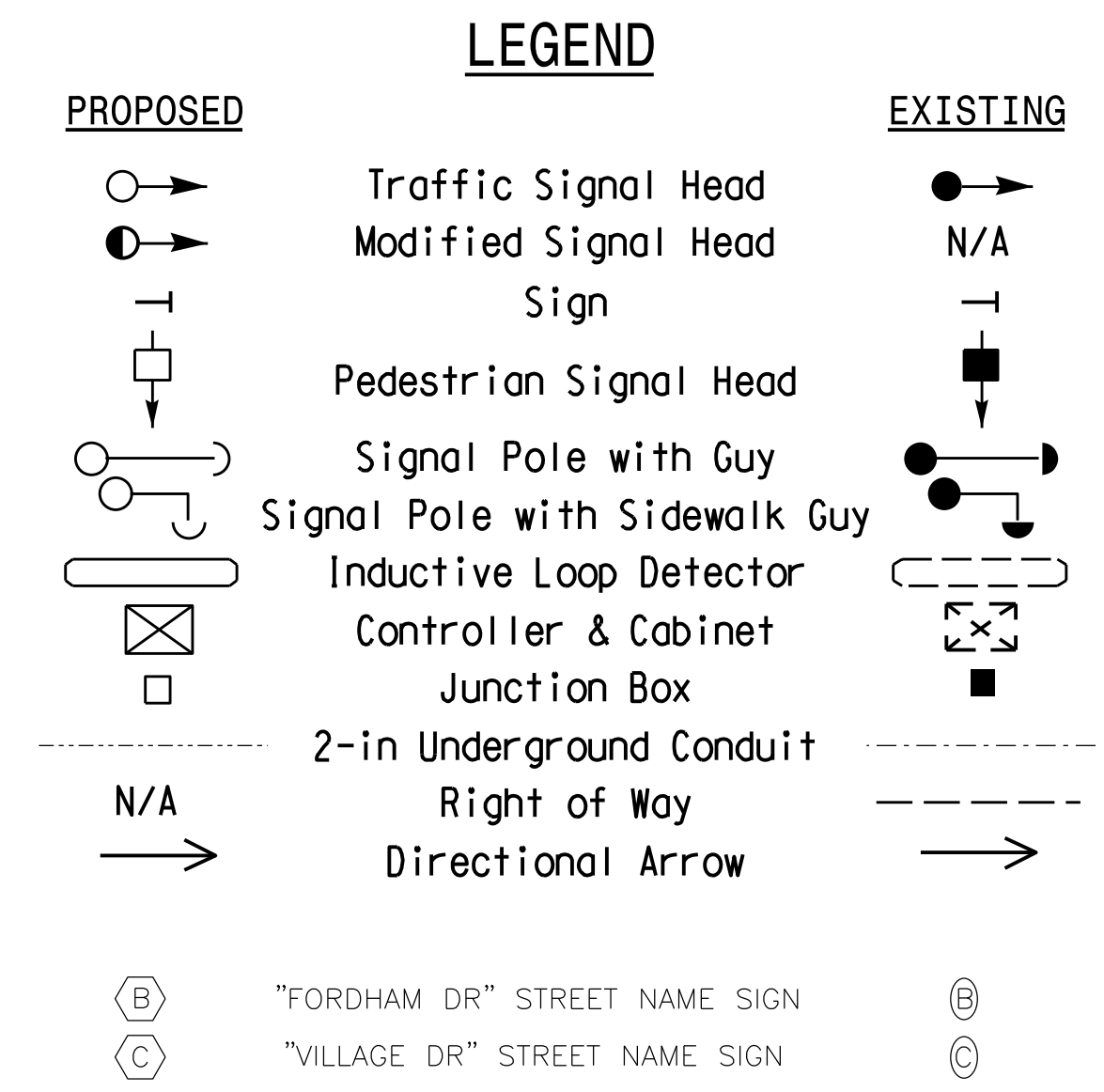
NOTES

- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JANUARY 2012 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- PAVEMENT MARKINGS ARE EXISTING.
- RUN ALL LEAD-IN CABLE OVERHEAD ON EXISTING UTILITY POLES WHERE POSSIBLE.
- MAXIMUM TIMES SHOWN IN TIMING CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERSEDE THESE VALUES.
- PROGRAM PHASE 4 AND PHASE 8 FOR DUAL ENTRY.
- SET ALL DETECTOR UNITS TO PRESENCE MODE.
- PROGRAM PEDESTRIAN HEADS TO COUNTDOWN THE FLASHING "DON'T WALK" TIME ONLY.
- OMIT "WALK" AND FLASHING "DON'T WALK" WITH NO PEDESTRIAN CALLS.
- LOCATE NEW CABINET ON EXISTING FOUNDATION.
- 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.



FEATURE	ASC/3 TIMING CHART					
	1	2	4	5	6	8
Min Green *	7	12	7	7	12	7
Walk *	0	0	0	0	7	7
Ped Clear	0	0	0	0	5	16
Veh. Extension *	1.0	6.0	1.0	1.0	6.0	1.0
Max I *	15	75	20	15	75	20
Yellow	3.3	4.3	3.2	3.1	4.8	3.2
Red Clear	1.8	1.0	2.9	2.2	1.0	2.5
Actuations B4 Add *	-	0	-	-	0	-
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	-	MIN. RECALL	-	-	MIN. RECALL	-
Dual Entry	-	-	X	-	-	X
Simultaneous Gap	X	X	X	X	X	X

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
1A	6X60	0	2-4-2	-	6	-	3	G	- Y
1B	6X40	0	2-4-2	-	1	-	15	S	- Y
2A	6X6	300	4	-	2	-	-	S	- Y
2B	6X6	300	4	-	2	-	-	S	- Y
4A	6X40	+10	2-4-2	-	4	-	3	S	- Y
5A	6X60	0	2-4-2	-	2	-	3	G	- Y
5B	6X40	0	2-4-2	-	5	-	15	S	- Y
6A	6X6	300	4	-	6	-	-	S	- Y
6B	6X6	300	4	-	6	-	-	S	- Y
8A	6X40	0	2-4-2	-	8	-	3	S	- Y



Signal Upgrade

	VILLAGE DRIVE AT FORDHAM DRIVE		
	DIV 06 CUMBERLAND COUNTY FAYETTEVILLE	PLAN DATE: NOVEMBER 2016	
PREPARED BY: BLR	REVISIONS	REVIEWED BY:	DATE
HATCH MOTT MACDONALD & E, LLC LICENSE NO. P4669	SCALE 0 40	INIT. DATE	DATE

default \\NCF-DATA\Project\360655_U-5742_Fay-Sig\Project\Sigs\Design\100%FINAL SEALED PLANS\Revised 1172016\Village-et-Fordham.dgn 11/18/2016 10:18:20 AM

* 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.