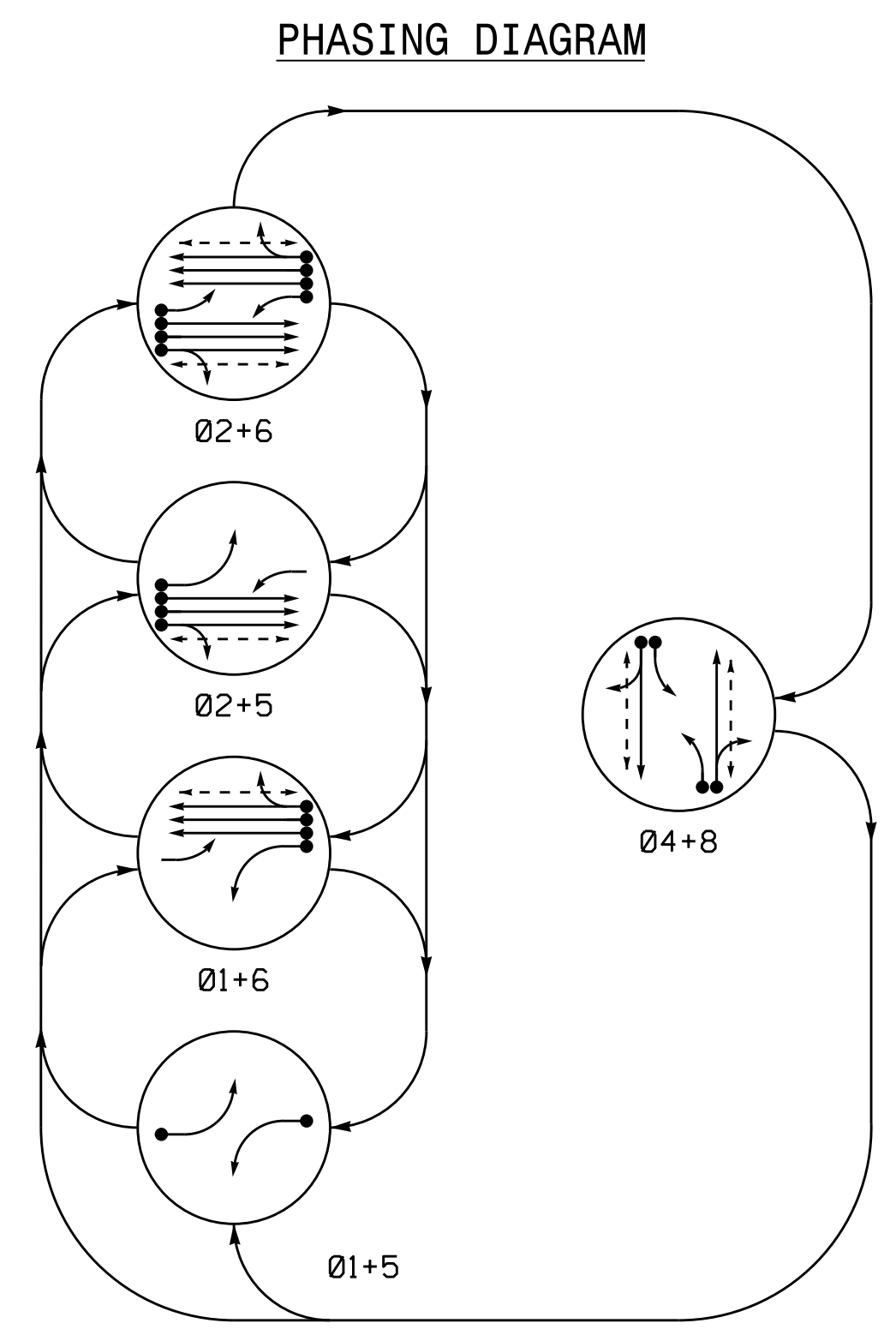


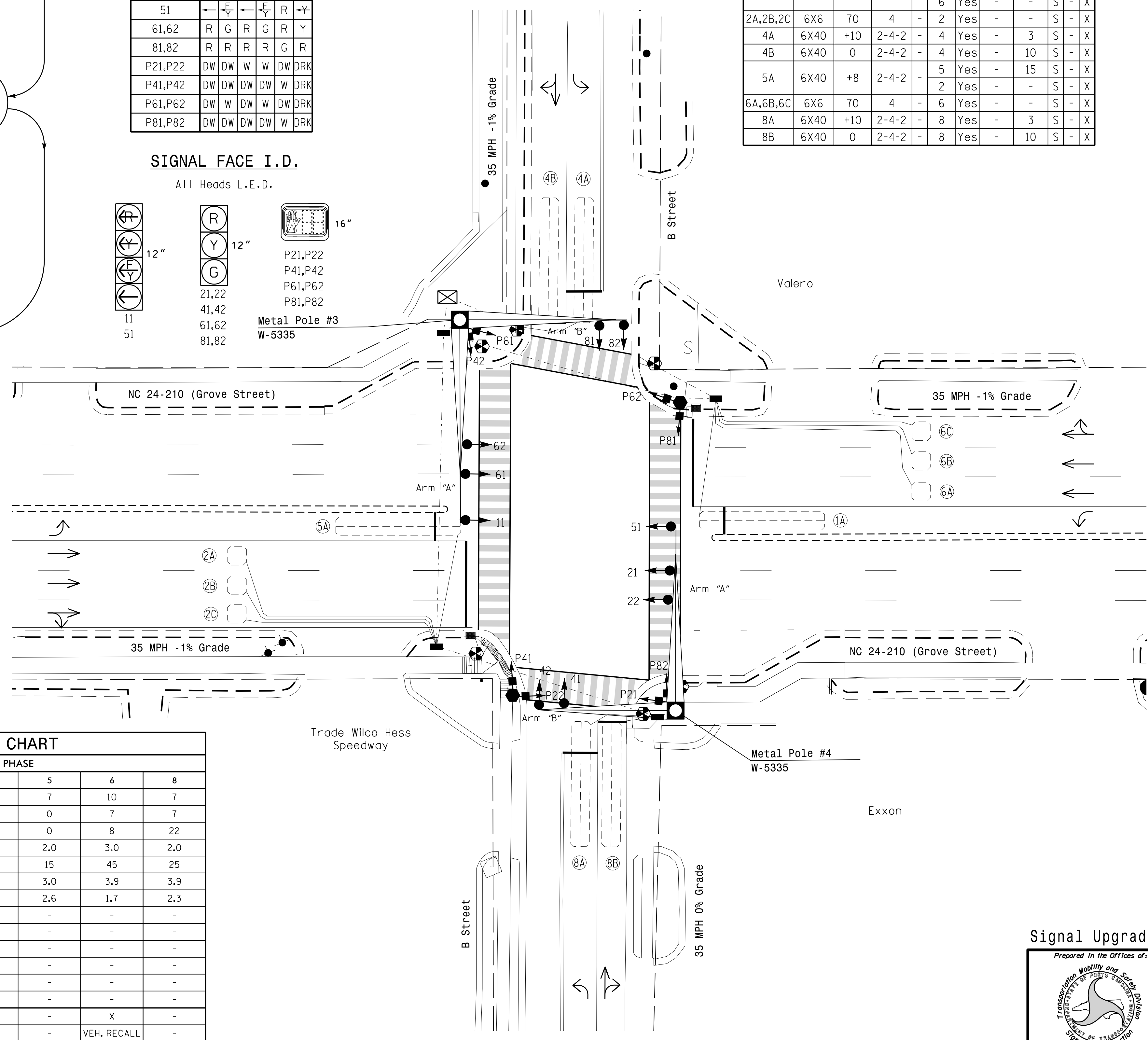
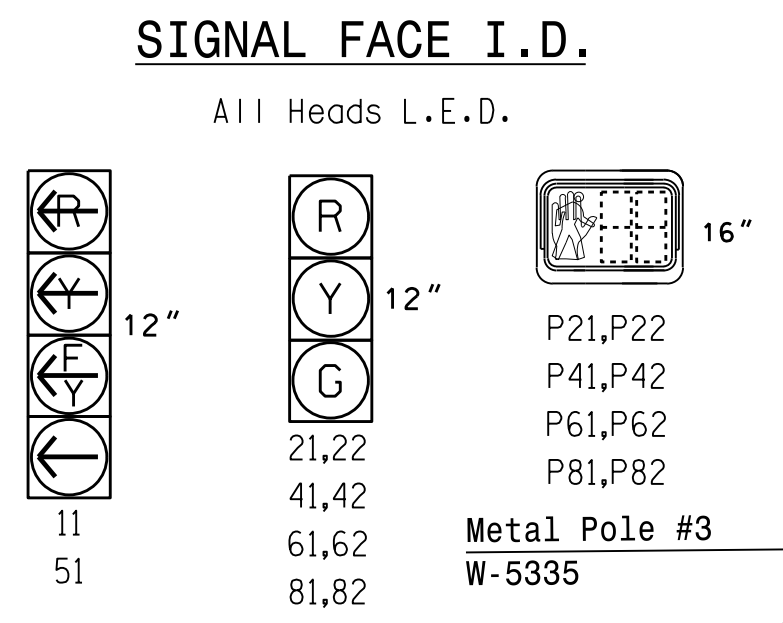
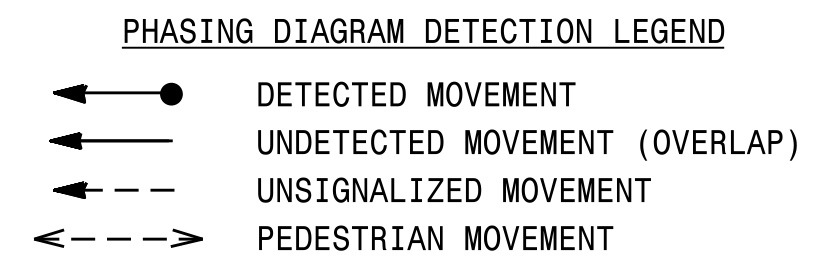
5 Phase Fully Protected Fayetteville City System



SIGNAL FACE	PHASE					
	01+5	02+6	02+5	04+8	F	FL
11	←	←	←	←	←	←
21,22	R	R	G	G	R	Y
41,42	R	R	R	R	G	R
51	←	←	←	←	←	←
61,62	R	G	R	G	R	Y
81,82	R	R	R	R	G	R
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DRK
P81,P82	DW	DW	DW	DW	W	DRK

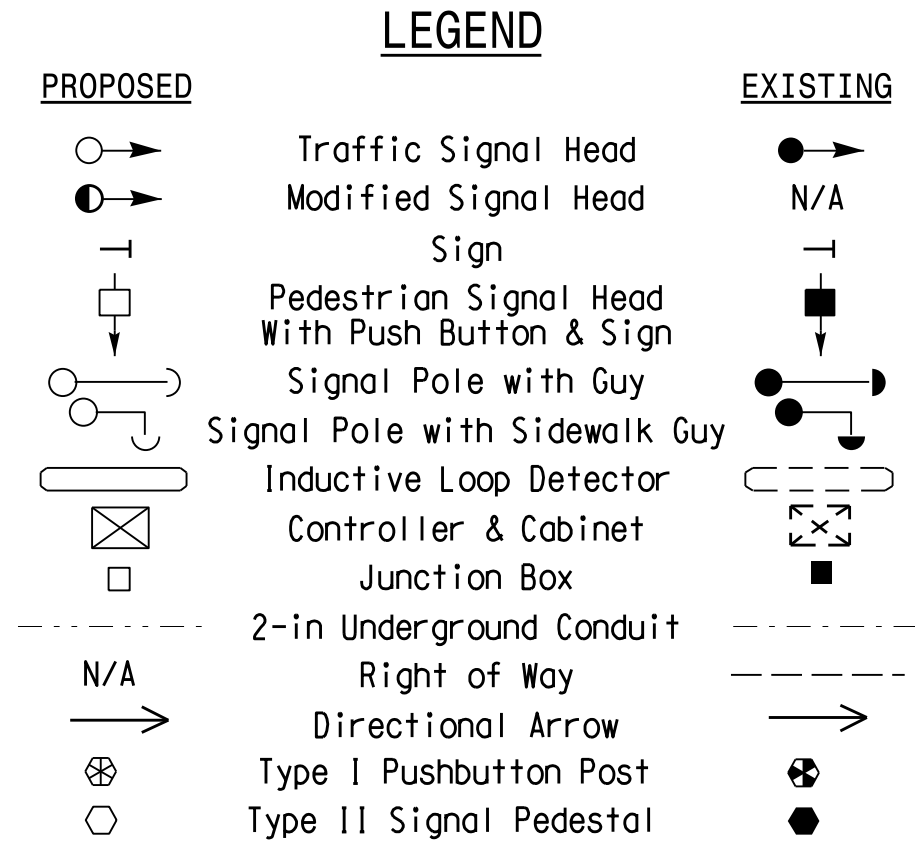
ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	LOOP	NEW CARD
1A	6X40	+8	2-4-2	-	1	Yes	-	15	S	-	X
2A,2B,2C	6X6	70	4	-	2	Yes	-	-	S	-	X
4A	6X40	+10	2-4-2	-	4	Yes	-	3	S	-	X
4B	6X40	0	2-4-2	-	4	Yes	-	10	S	-	X
5A	6X40	+8	2-4-2	-	5	Yes	-	15	S	-	X
6A,6B,6C	6X6	70	4	-	6	Yes	-	-	S	-	X
8A	6X40	+10	2-4-2	-	8	Yes	-	3	S	-	X
8B	6X40	0	2-4-2	-	8	Yes	-	10	S	-	X

- NOTES**
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
  - Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
  - Phase 1 and/or phase 5 may be lagged.
  - Program phase 4 and phase 8 for dual entry.
  - Set all detector units to presence mode.
  - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  - Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
  - Program pedestrian heads to countdown the flashing "Don't Walk" time only.
  - Pavement markings are existing.
  - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	10	7	7	10	7
Walk *	0	7	7	0	7	7
Ped Clear	0	8	23	0	8	22
Veh. Extension *	2.0	3.0	2.0	2.0	3.0	2.0
Max I *	15	45	25	15	45	25
Yellow	3.0	3.9	3.9	3.0	3.9	3.9
Red Clear	2.6	1.7	2.3	2.6	1.7	2.3
Actuations B4 Add *	-	-	-	-	-	-
Seconds / Actuation *	-	-	-	-	-	-
Max Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Locking Detector	-	X	-	-	X	-
Recall Position	-	VEH. RECALL	-	-	VEH. RECALL	-
Dual Entry	-	-	X	-	-	X
Simultaneous Gap	X	X	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.



**Signal Upgrade**

NC 24-210 (Grove Street) At B Street

Division 6 Cumberland County Fayetteville

PLAN DATE: May 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 1"=20'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 029904

JASON P. GALLOWAY ENGINEER

5/18/2016 DATE

SIG. INVENTORY NO. 06-0314

18-MAY-2016 16:34  
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