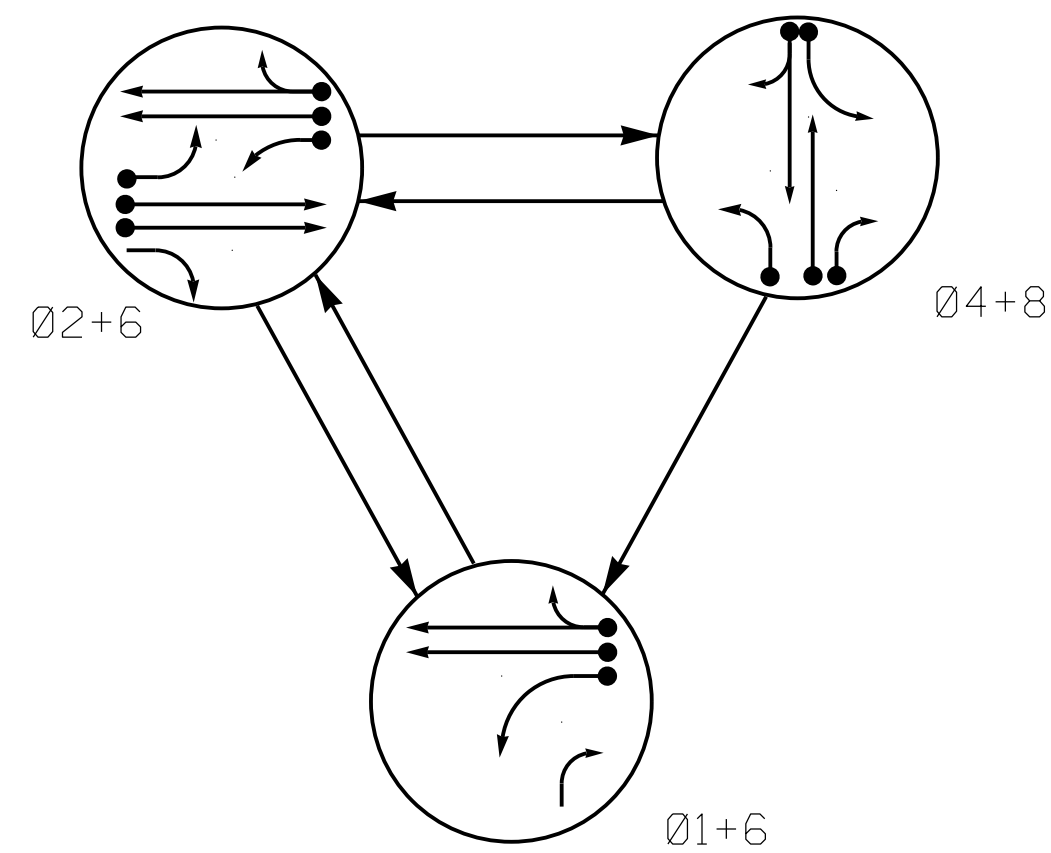


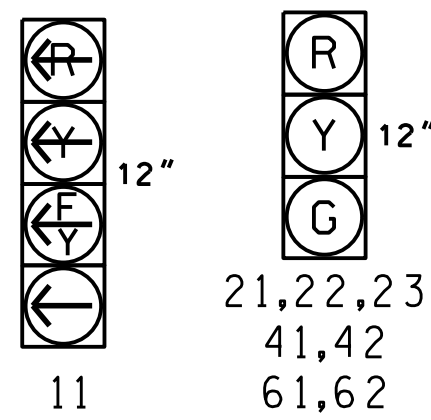
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+06	02+06	04+08	F L O A D I
11	←	←	←	←
21,22,23	R	G	R	Y
41,42	R	R	G	R
61,62	G	G	R	Y
81,82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



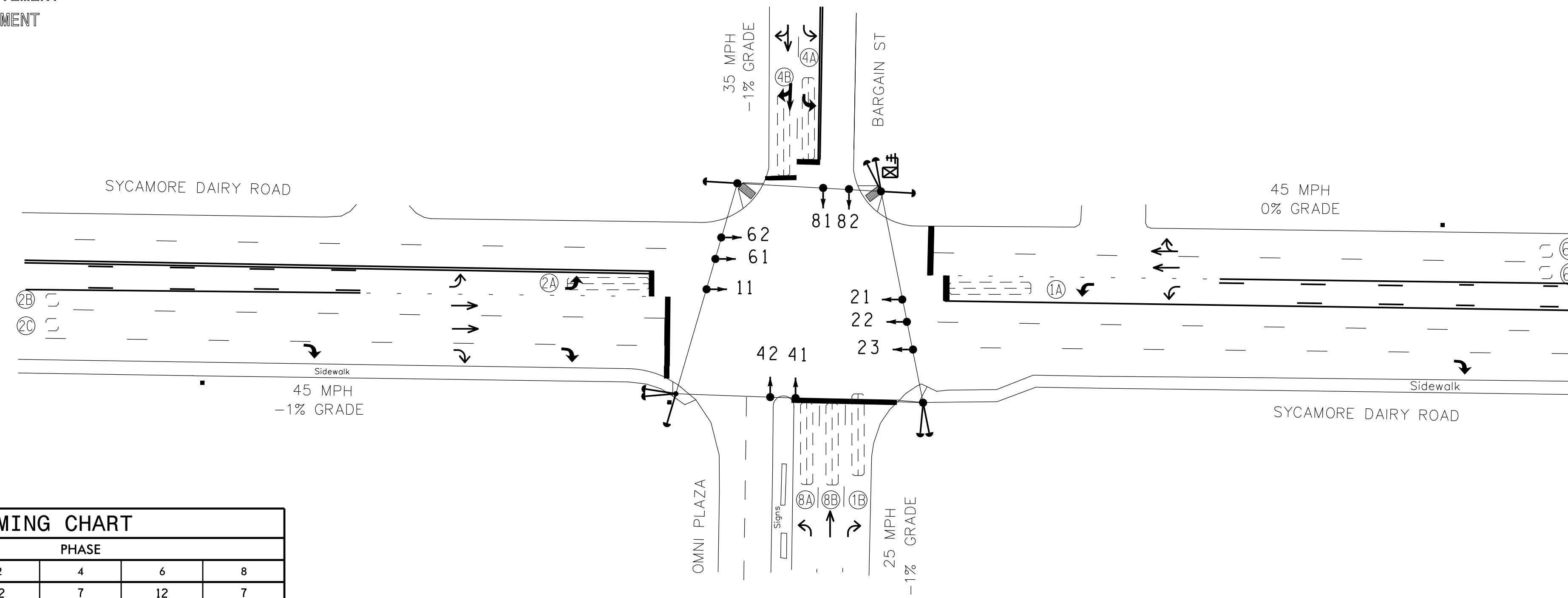
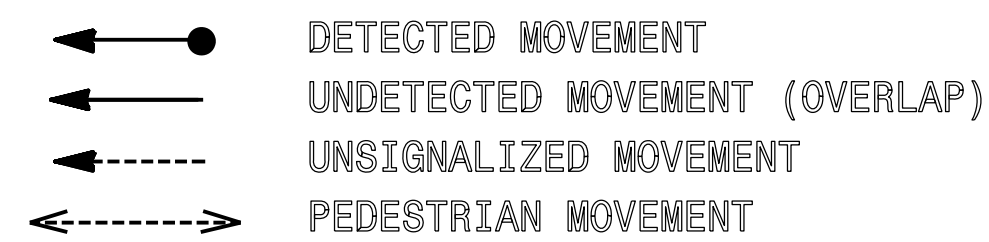
ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR				PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	-	15	S	-	Y
2A	6X40	0	2-4-2	-	2	-	3	S	-	Y
2B,2C	6X6	300	3	-	2	-	-	S	-	Y
4A	6X40	0	2-4-2	-	4	-	-	S	-	Y
4B	6X40	0	2-4-2	-	4	-	-	S	-	Y
6A,6B	6X6	300	3	-	6	-	-	S	-	Y
8A	6X40	0	2-4-2	-	8	-	-	S	-	Y
8B	6X40	0	2-4-2	-	8	-	-	S	-	Y
1B	6X40	+5	2-4-2	-	1	-	25	S	-	Y

3 Phase Fully Actuated Fayetteville Signal System

NOTES

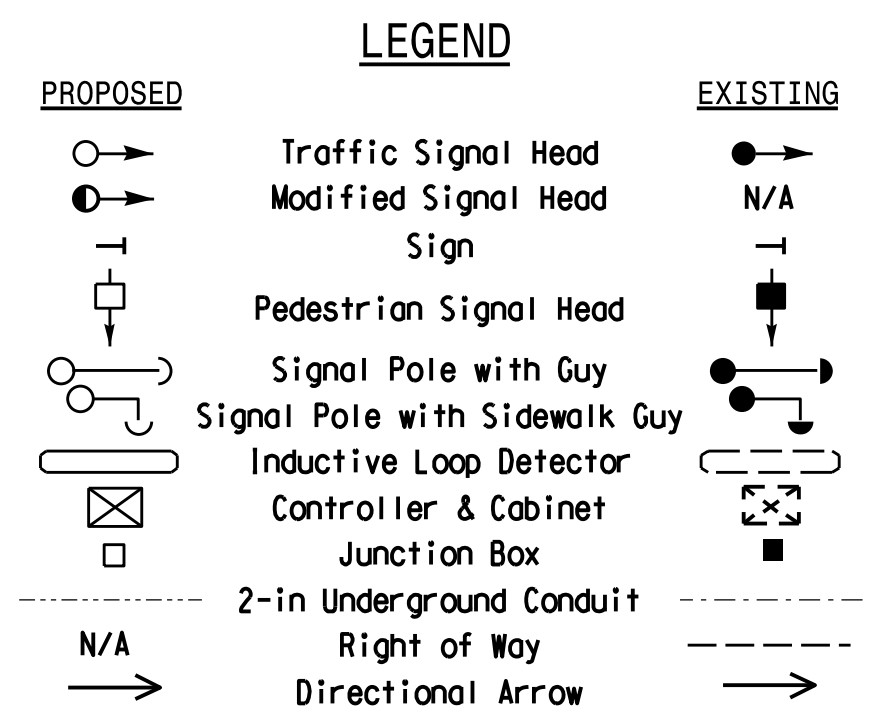
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the engineer.
3. Pavement markings are existing.
4. Locate new cabinet on existing foundation.
5. Phase 1 may be lagged.
6. Set all detector units to presence mode.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Locate new cabinet on existing foundation.

PHASING DIAGRAM DETECTION LEGEND



FEATURE	ASC/3 TIMING CHART				
	1	2	4	6	8
Min Green *	7	12	7	12	7
Walk *	0	0	0	0	0
Ped Clear	0	0	0	0	0
Veh. Extension *	1.0	6.0	1.0	6.0	1.0
Max 1 *	20	90	20	90	20
Yellow	3.2	4.6	3.9	4.6	3.2
Red Clear	2.8	1.6	1.9	1.5	2.4
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	-	MIN. RECALL	-	MIN. RECALL	-
Dual Entry	-	-	X	-	X
Simultaneous Gap	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

Prepared In the Offices of
Hatch Mott MacDonald
PO Box 700
Fayetteville, NC 27526
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SYCAMORE DAIRY ROAD AT BARGAIN STREET

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: BLR REVIEWED BY:

SEAL

Russell W. Thompson 11/21/2016

SCALE 0 40

REVISIONS

NO.	DATE	INIT.	DATE

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