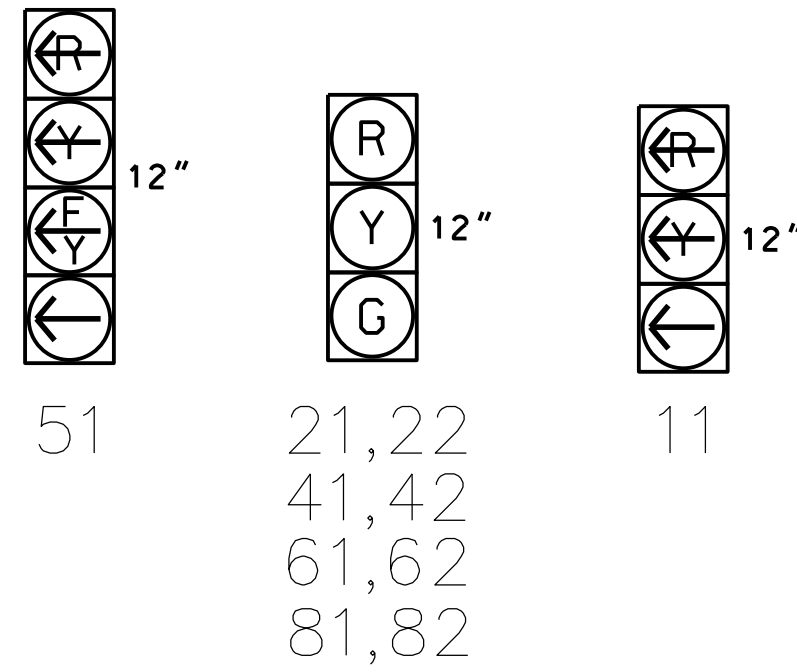


5 PHASE
FULLY ACTUATED
FAYETTEVILLE SIGNAL SYSTEM

NOTES

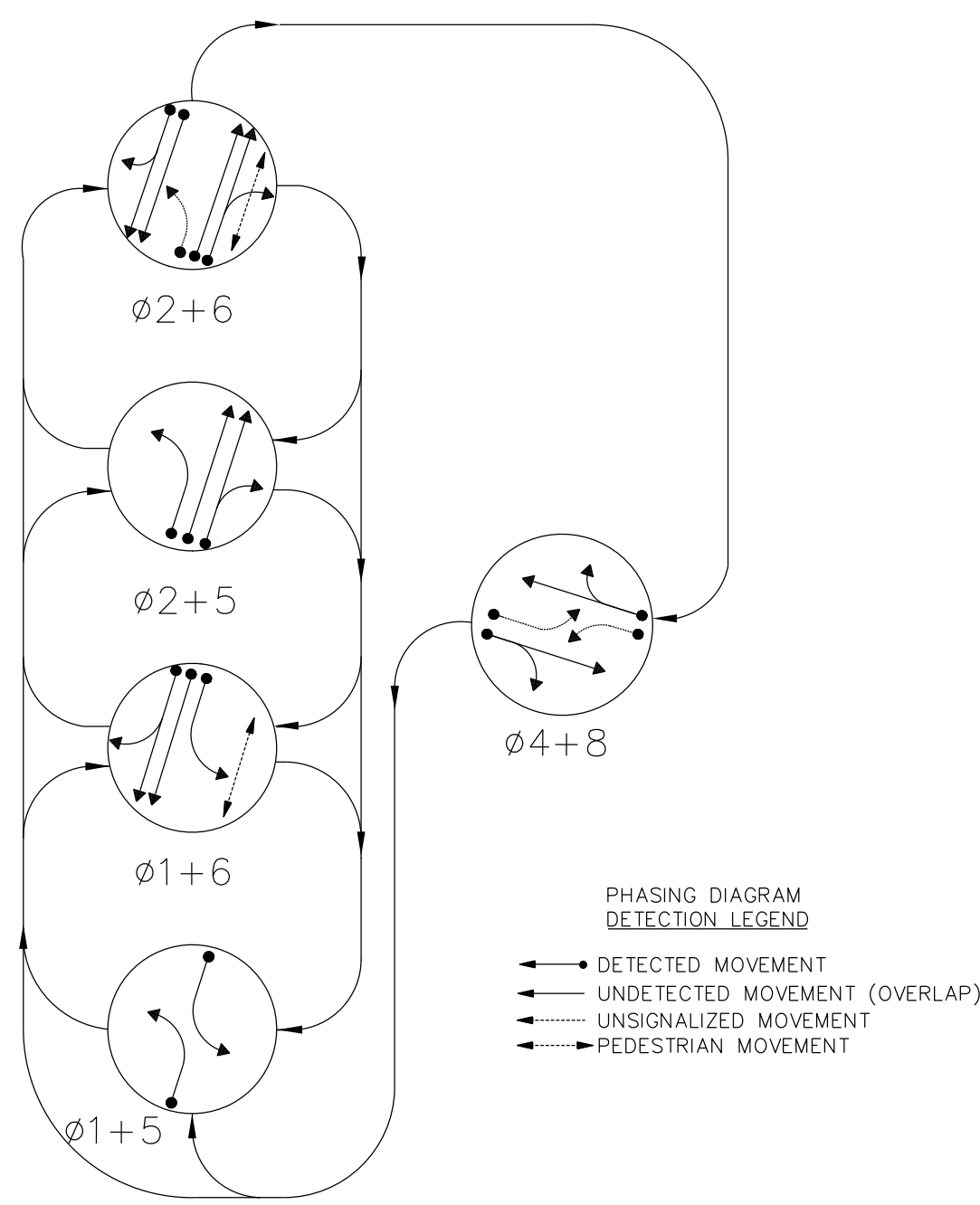
- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JANUARY 2012 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- PAVEMENT MARKINGS ARE EXISTING.
- LOCATE NEW CABINET ON EXISTING FOUNDATION.
- IN THE EVENT OF LOOP REPLACEMENT, REFER TO THE CURRENT ITS AND SIGNALS DESIGN MANUAL AND SUBMIT A PLAN OF RECORD TO THE CITY TRAFFIC ENGINEER.
- PHASE 1 OR PHASE 5 MAY BE LAGGED.

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



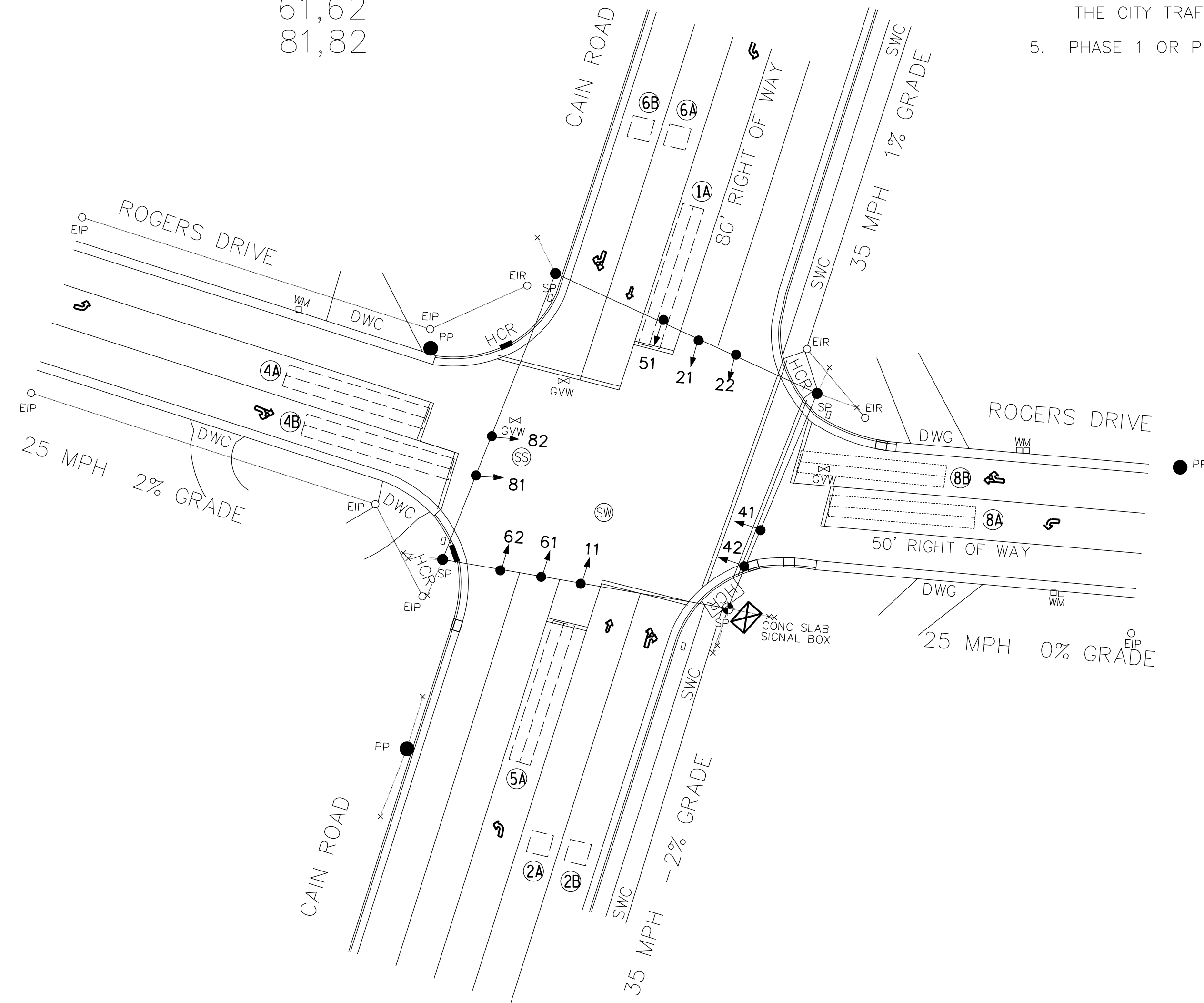
SIGNAL FACE	PHASE					FLASH
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8	
11	Ø	Ø	R	R	R	⚡
21,22	R	R	G	G	R	Y
41,42	R	R	R	R	G	R
51	Ø	Ø	Ø	Ø	Ø	⚡
61,62	R	G	R	G	R	Y
81,82	R	R	R	R	G	R

PHASING DIAGRAM



PHASING DIAGRAM
DETECTION LEGEND

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



ASC/3 TIMING CHART

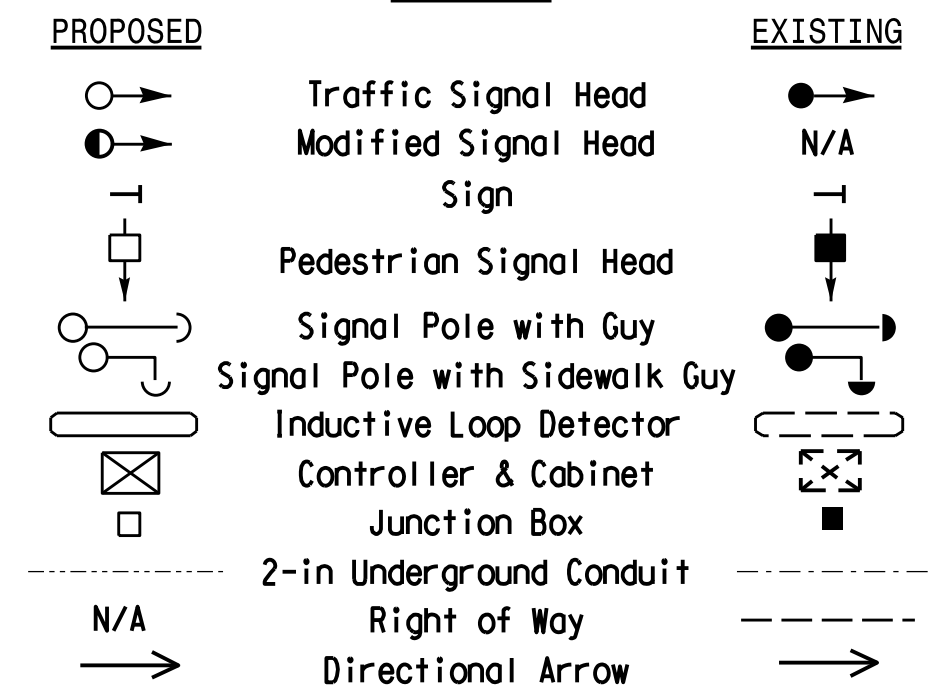
FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	10	7	7	10	7
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	1.0	6.0	1.0	1.0	6.0	1.0
Max 1 *	15	75	20	15	75	20
Yellow	3.1	4.0	3.1	3.3	3.8	3.2
Red Clear	1.5	1.0	2.1	1.7	1.0	2.2
Actuations B4 Add *	-	-	-	-	-	-
Seconds /Actuation *	-	-	-	-	-	-
Max Initial *	-	-	-	-	-	-
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.

ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING				SYSTEM	NEW CARD
					PHASE	EXTEND TIME	DELAY TIME	TYPE		
1A	6X40	0	2-4-2	-	1	-	-	S	-	Y
2A	6X6	70	4	-	2	-	-	S	-	Y
2B	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
5A	6X40	0	2-4-2	-	5	-	15	S	-	Y
6A	6X6	70	4	-	6	-	-	S	-	Y
6B	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

LEGEND



Signal Upgrade

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

 DIV 06 PLAN DATE: NOVEMBER 2016 PREPARED BY: BLR SCALE: 0 25 NORTH ARROW	CUMBERLAND COUNTY FAYETTEVILLE REVIEWED BY: RWT		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RUSSELL W. THOMPSON 032711 11/21/2016 DATE SIG. INVENTORY NO. C002
	CAIN ROAD AT ROGERS DRIVE REVISIONS INIT. DATE		

default \\NCF-Data\Project\360655_U-5742_Faj-Sig\Project\Sigs\Design\100%\FINAL SEALED PLANS\Revised 11/21/2016\Cain-et-Rogers.dgn 11/21/2016 12:19:33 PM