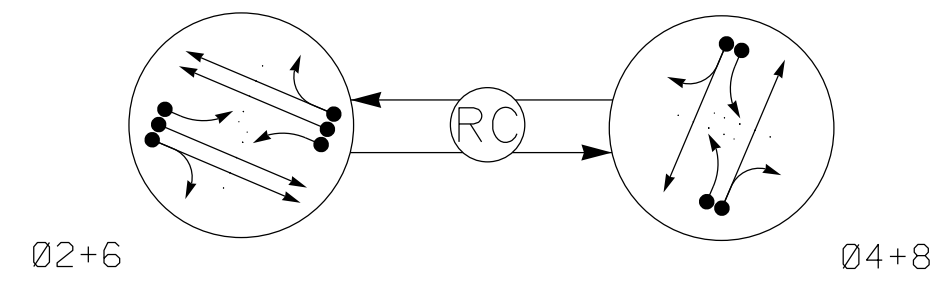


PHASING DIAGRAM



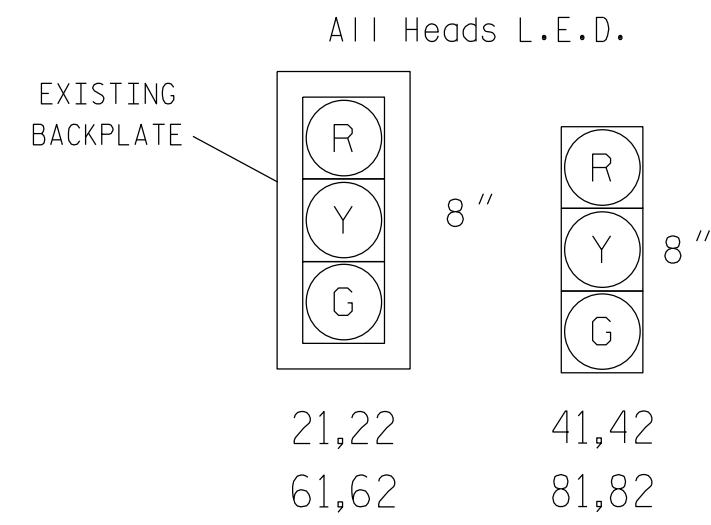
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLIGHT
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
81,82	R	G	R

SIGNAL FACE I.D.



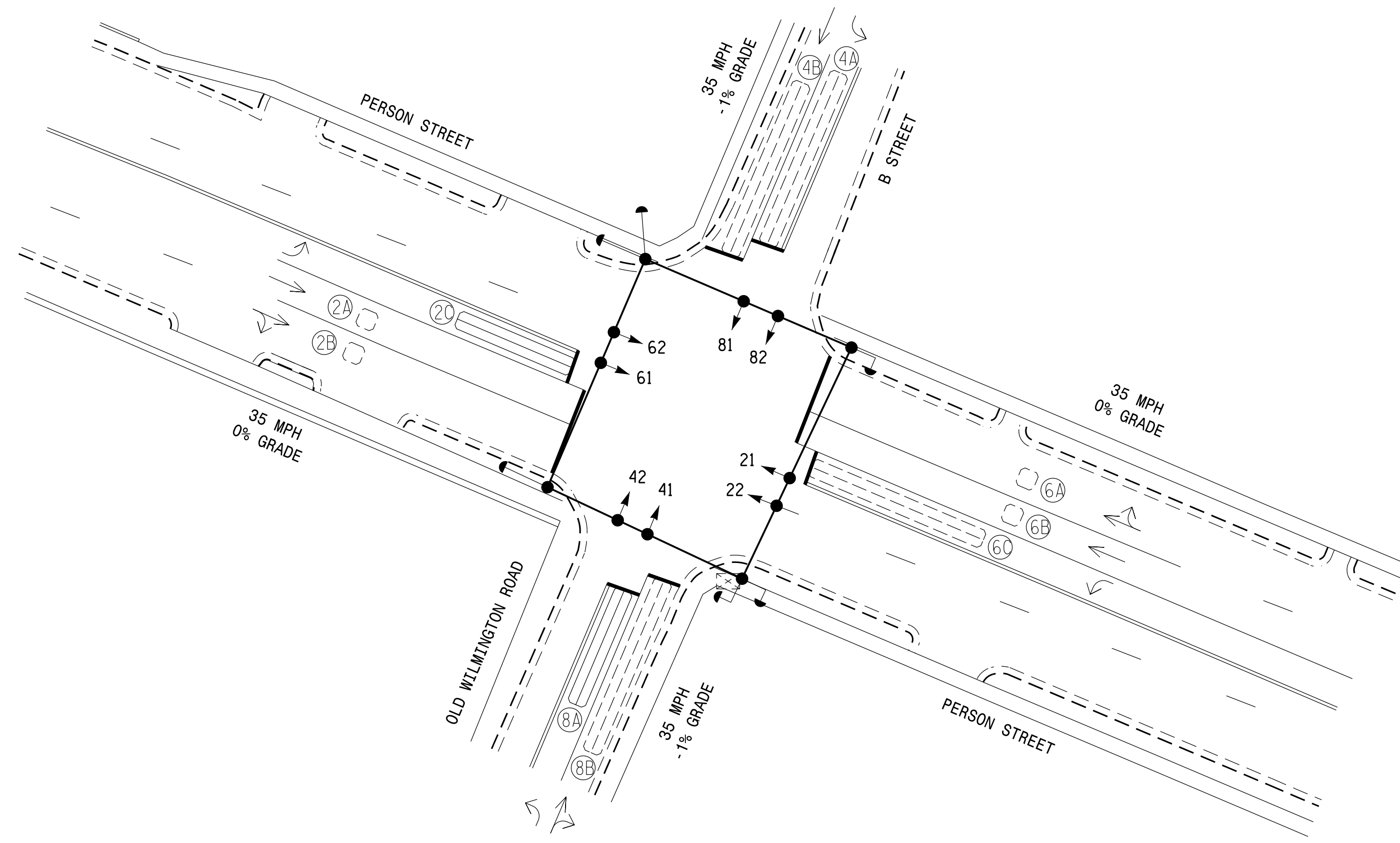
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	70	4	-	2	Yes	-	-	S	-	Y
2B	6X6	70	4	-	2	Yes	-	-	S	-	Y
2C	6X40	0	2-4-2	-	2	Yes	-	-	G	-	Y
4A	6X60	0	2-4-2	-	4	Yes	-	3	S	-	Y
4B	6X60	0	2-4-2	-	4	Yes	-	-	S	-	Y
6A	6X6	70	4	-	6	Yes	-	-	S	-	Y
6B	6X6	70	4	-	6	Yes	-	-	S	-	Y
6C	6X60	0	2-4-2	-	6	Yes	-	-	G	-	Y
8A	6X40	0	2-4-2	-	8	Yes	-	3	S	-	Y
8B	6X60	0	2-4-2	-	8	Yes	-	-	S	-	Y

2 PHASE FULLY ACTUATED (FAYETTEVILLE SIGNAL SYSTEM)

NOTES

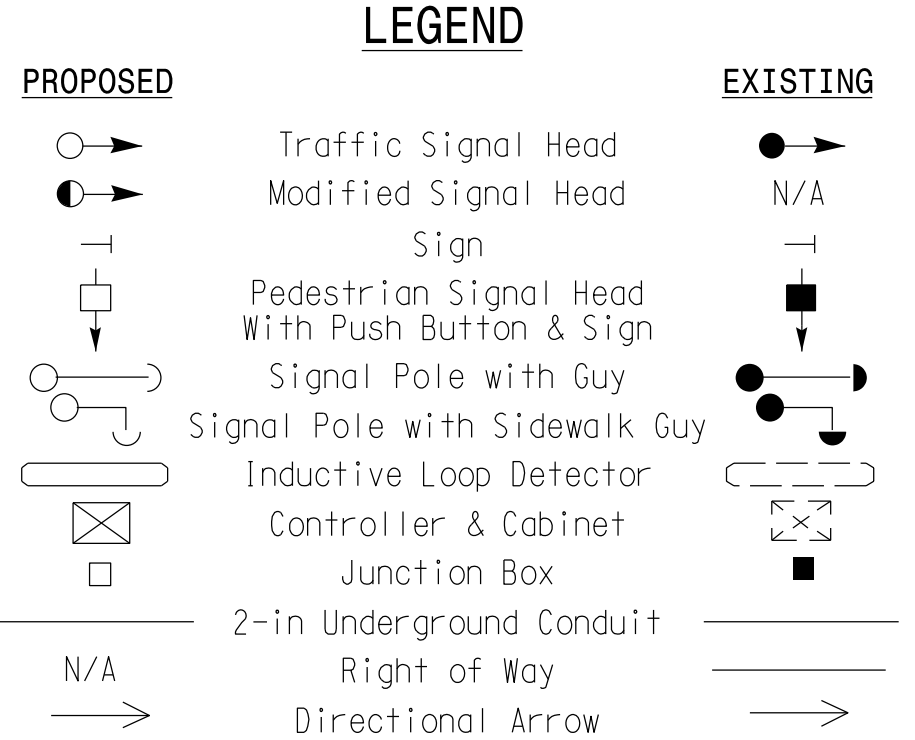
- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JANUARY 2012 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- PAVEMENT MARKINGS ARE EXISTING.
- MAXIMUM TIMES SHOWN IN TIMINGS CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERCEDE THESE VALUES.
- THIS SIGNAL IS PART OF THE FAYETTEVILLE SIGNAL SYSTEM.
- PROGRAM PHASE 4 AND 8 FOR DUAL ENTRY.
- DO NOT PROGRAM SIGNAL FOR LATE NIGHT FLASHING OPERATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SET ALL DETECTOR UNITS TO PRESENCE MODE.



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	13	20	13	20
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	3.0	1.0	3.0	1.0
Max 1 *	50	30	50	30
Yellow	3.8	3.9	3.8	3.9
Red Clear	1.2	1.8	1.1	1.8
Red Revert	0.0	0.0	0.0	0.0
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	X	-	X	-
Recall Position	MIN RECALL	-	MIN 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.



default \\NCF-DATA\Proj\360655_U-5742_Fay-Sig\Project\Sigs\100\FINAL SEALED PLANS\Revised 11/20/16\Person & B.dgn
 11/18/2016 8:58:24 AM

Signal Upgrade

Prepared In the Offices of:

Hatch Mott MacDonald
P.O. Box 700
Fayetteville, NC 27526
www.hatchmott.com

HATCH MOTT MACDONALD & E, LLC
LICENSE NO. F-4669

PERSON STREET AT B STREET/OLD WILMINGTON ROAD

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: RTP REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

Richard T. Pate
11/21/2016

SIG. INVENTORY NO. C017

SCALE: 1" = 30'