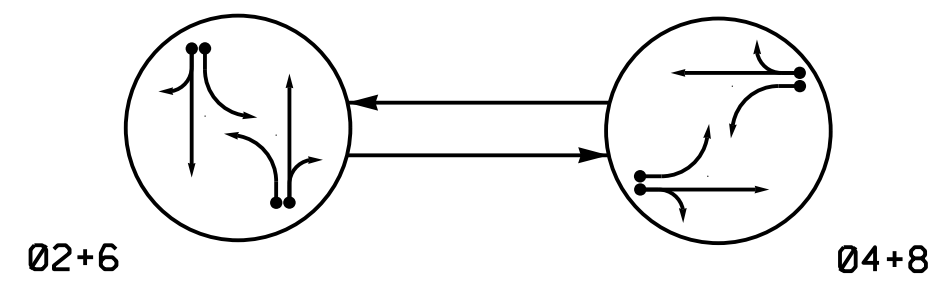


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

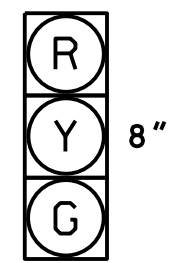
- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← UNSIGNALIZED MOVEMENT
- → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	2	4	8
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22  
41, 42  
61, 62  
81, 82

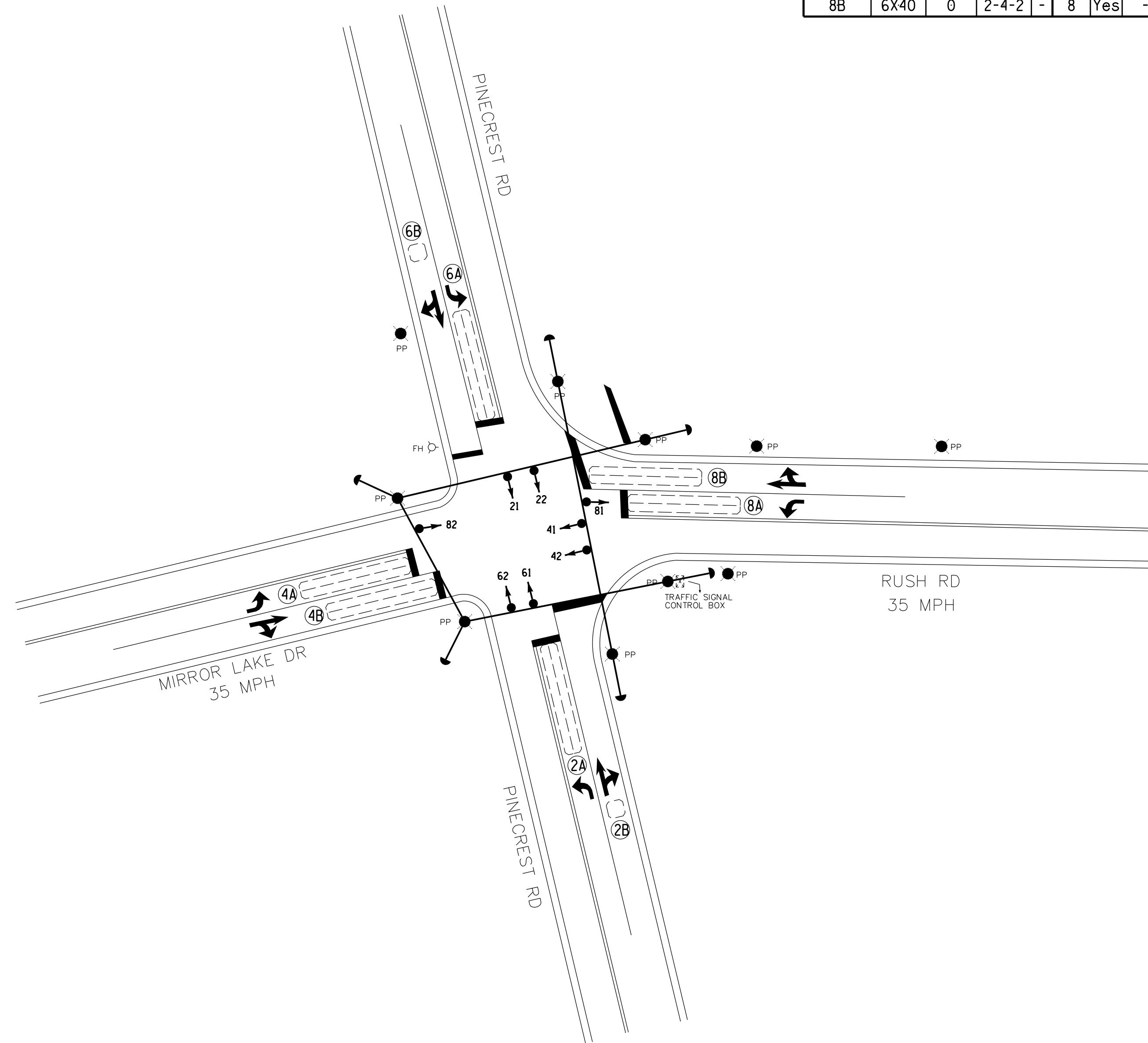
ASC/3 DETECTOR INSTALLATION CHART

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

2 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. Locate new cabinet on existing foundation.



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	12	6	12	6
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	2.0	3.0	2.0	3.0
Max 1 *	20	15	20	15
Yellow	3.2	3.5	3.2	3.2
Red Clear	1.5	1.5	1.4	1.5
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

\* 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.

LEGEND

- |     |  |     |  |
|-----|--|-----|--|
| ○ → | PROPOSED Traffic Signal Head           | ● → | EXISTING Traffic Signal Head           |
| ○ → | PROPOSED Modified Signal Head          | N/A | EXISTING Modified Signal Head          |
| ⊥   | PROPOSED Sign                          | ⊥   | EXISTING Sign                          |
| ⊥   | PROPOSED Pedestrian Signal Head        | ⊥   | EXISTING Pedestrian Signal Head        |
| ⊥   | PROPOSED Signal Pole with Guy          | ⊥   | EXISTING Signal Pole with Guy          |
| ⊥   | PROPOSED Signal Pole with Sidewalk Guy | ⊥   | EXISTING Signal Pole with Sidewalk Guy |
| ⊥   | PROPOSED Inductive Loop Detector       | ⊥   | EXISTING Inductive Loop Detector       |
| ⊥   | PROPOSED Controller & Cabinet          | ⊥   | EXISTING Controller & Cabinet          |
| ⊥   | PROPOSED Junction Box                  | ⊥   | EXISTING Junction Box                  |
| ⊥   | PROPOSED 2-in Underground Conduit      | ⊥   | EXISTING 2-in Underground Conduit      |
| →   | PROPOSED Right of Way                  | →   | EXISTING Right of Way                  |
| →   | PROPOSED Directional Arrow             | →   | EXISTING Directional Arrow             |

Signal Upgrade

	<b>PINECREST DRIVE AT RUSH ROAD/MIRROR LAKE</b>		
	DIV 06 CUMBERLAND COUNTY FAYETTEVILLE PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT PREPARED BY: BLR REVIEWED BY:	REVISIONS: _____ INIT. DATE _____	
Prepared In the Offices of <b>Hatch Mott MacDonald</b> PO Box 700 Fuquay-Varina, NC 27526 www.hatchmott.com	SCALE 0 30 		DocuSigned by: Russell W. Thompson 11/21/2016 SEAL 032711 SIG. INVENTORY NO. C019

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