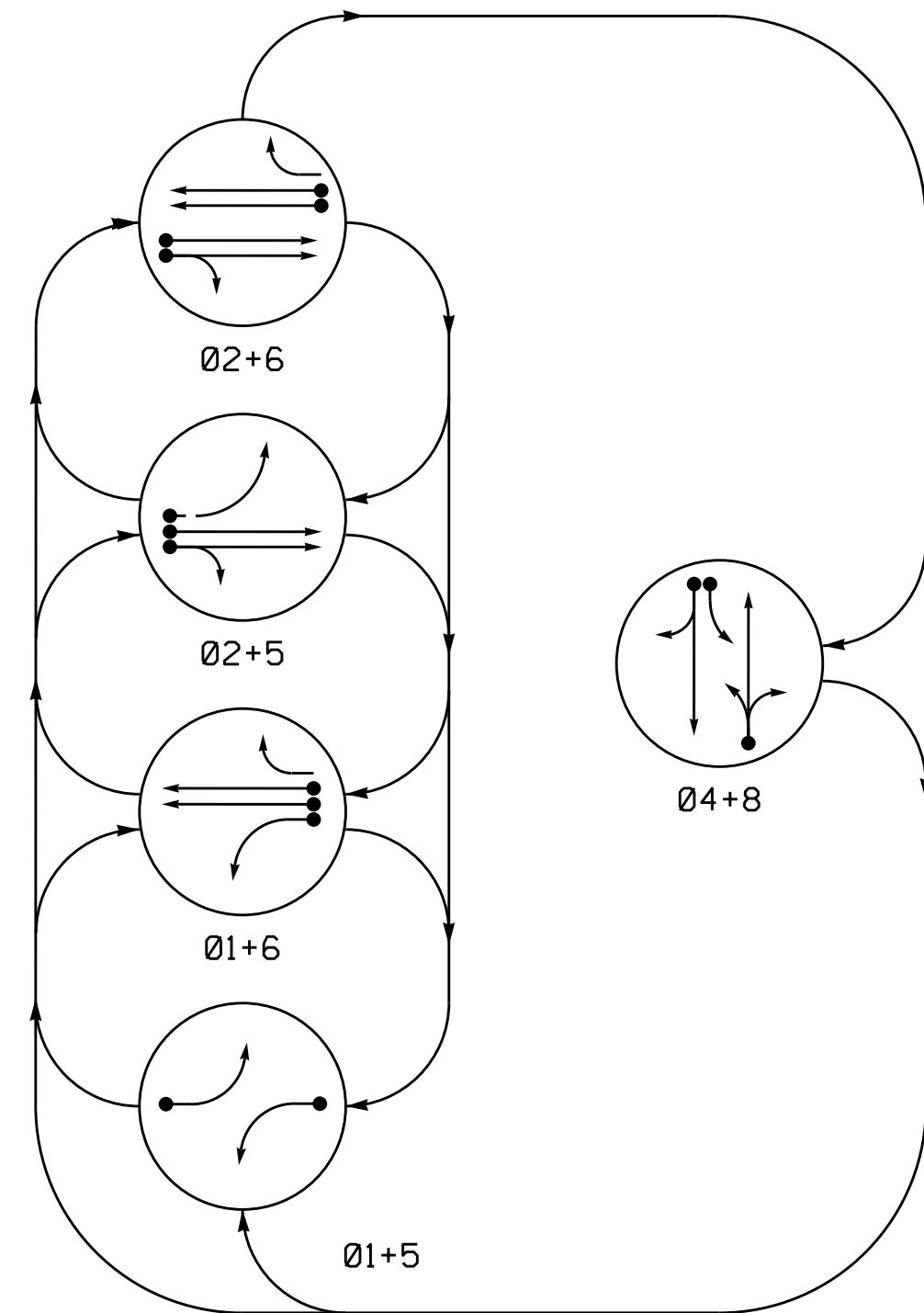


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

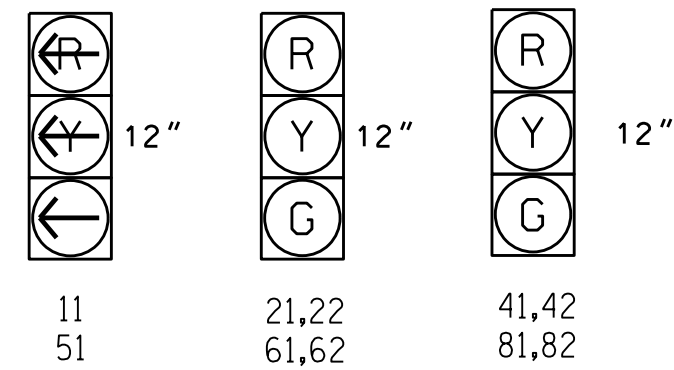
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ⚡ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F L S H
11	—	—	R	R	R	R
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	—	R	—	R	R	R
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



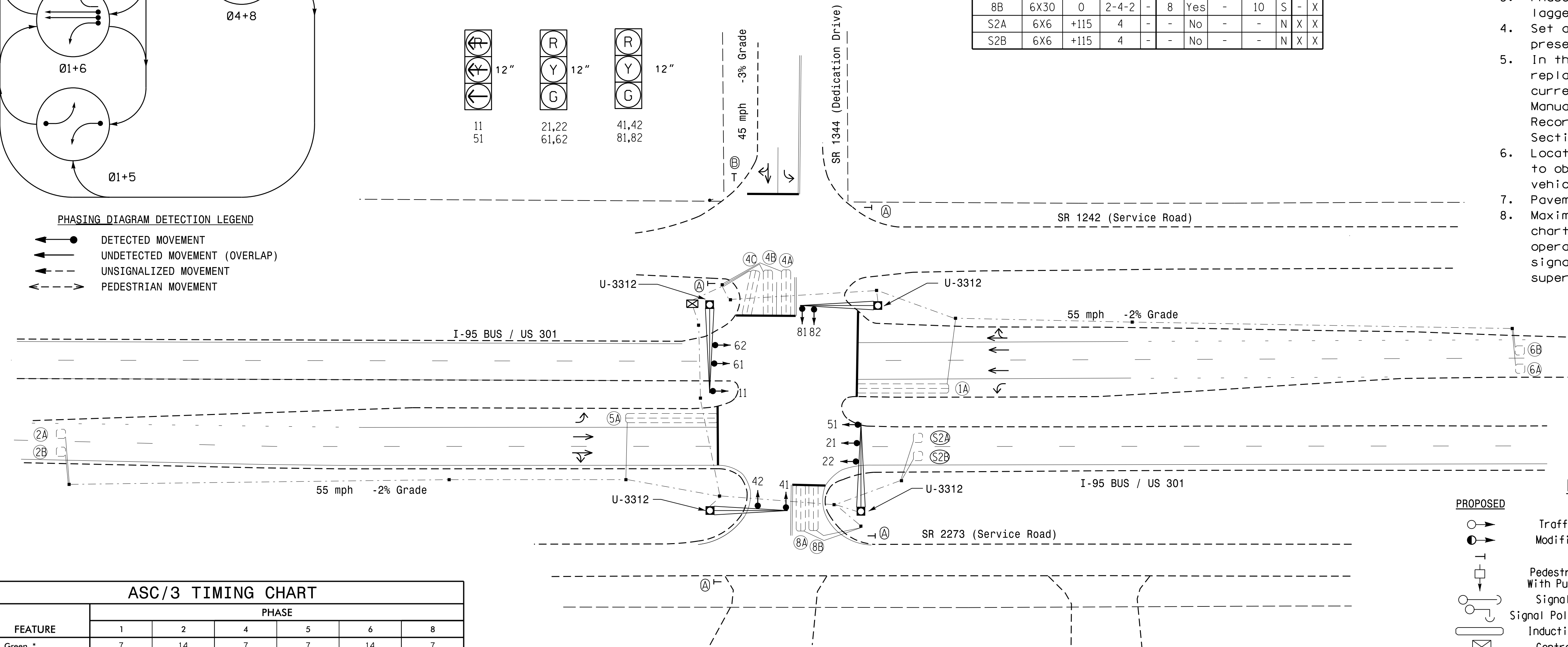
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
1A	6X60	0	2-4-2	-	1	Yes	-	-	S	-	X
2A	6X6	420	6	-	2	Yes	-	-	N	-	X
2B	6X6	420	6	-	2	Yes	-	-	N	-	X
4A	6X30	0	2-4-2	-	4	Yes	-	3	S	-	X
4B	6X30	0	2-4-2	-	4	Yes	-	3	S	-	X
4C	6X30	0	2-4-2	-	4	Yes	-	15	S	-	X
5A	6X60	0	2-4-2	-	5	Yes	-	-	S	-	X
6A	6X6	420	6	-	6	Yes	-	-	N	-	X
6B	6X6	420	6	-	6	Yes	-	-	N	-	X
8A	6X30	0	2-4-2	-	8	Yes	-	3	S	-	X
8B	6X30	0	2-4-2	-	8	Yes	-	10	S	-	X
S2A	6X6	+115	4	-	-	No	-	-	N	X	X
S2B	6X6	+115	4	-	-	No	-	-	N	X	X

5 Phase Fully Actuated Fayetteville Signal System

NOTES

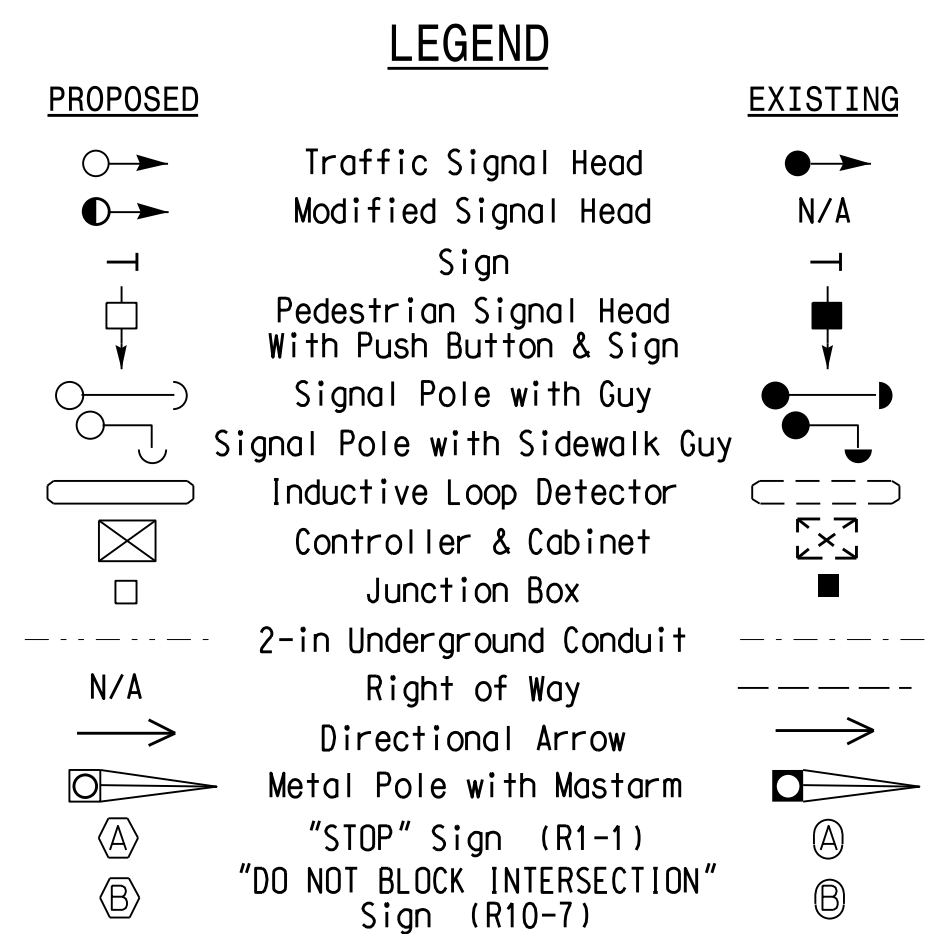
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	14	7	7	14	7
Walk *	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0
Veh. Extension *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	20	90	25	20	90	25
Yellow	3.0	5.4	4.8	3.0	5.4	4.8
Red Clear	2.8	1.1	2.9	2.8	1.1	2.9
Actuations B4 Add *	-	0	-	-	0	-
Seconds / Actuation *	-	1.5	-	-	1.5	-
Max Initial *	-	46	-	-	46	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.4	-	-	3.4	-
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

Prepared In the Offices of:

I-95 Business / US 301 at SR 1344 (Dedication Drive)

Division 6 Cumberland County Fayetteville

PLAN DATE: August 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 40 1"=40'

10/19/2016 DATE

SIG. INVENTORY NO. 06-0373

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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