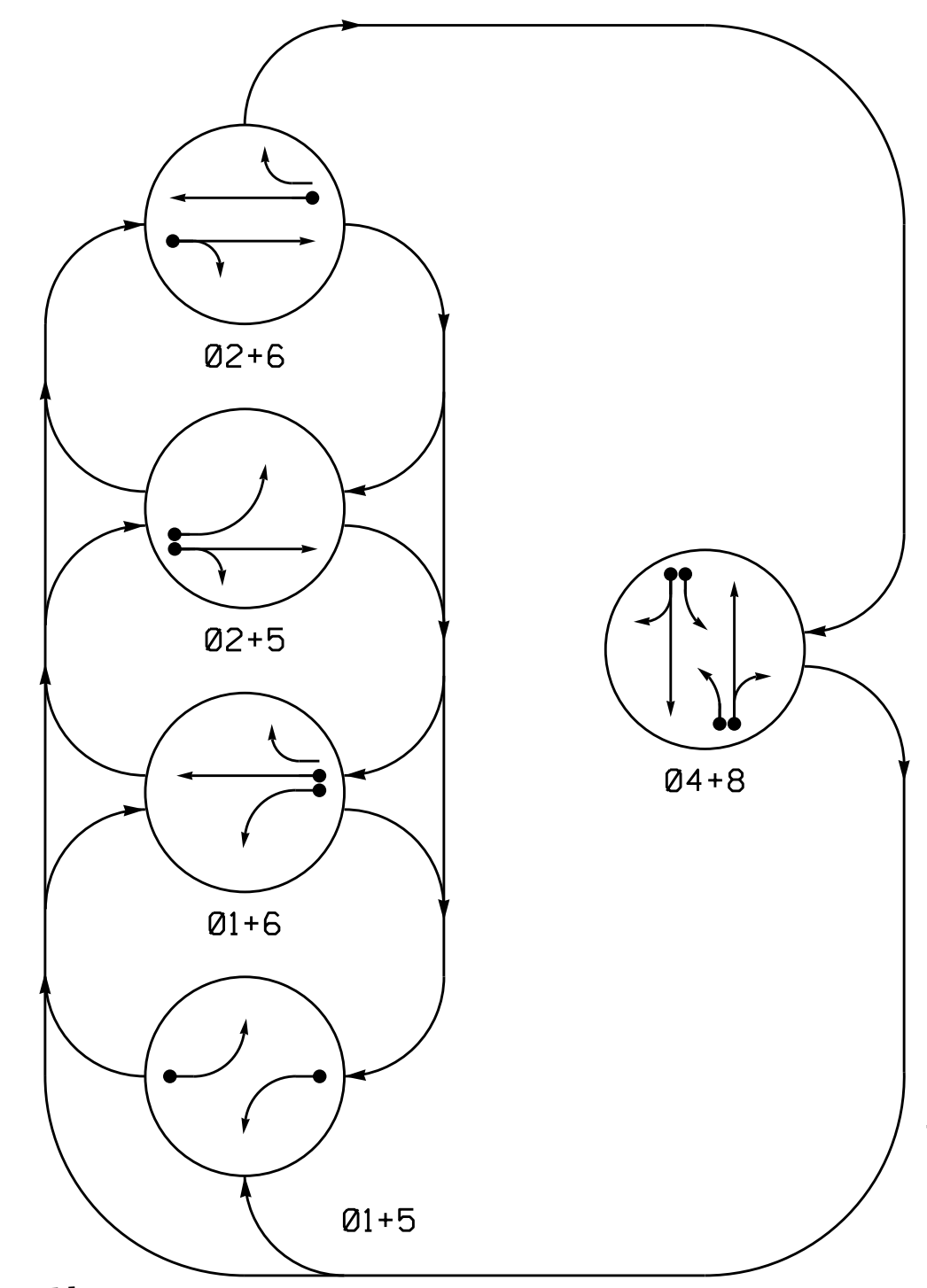
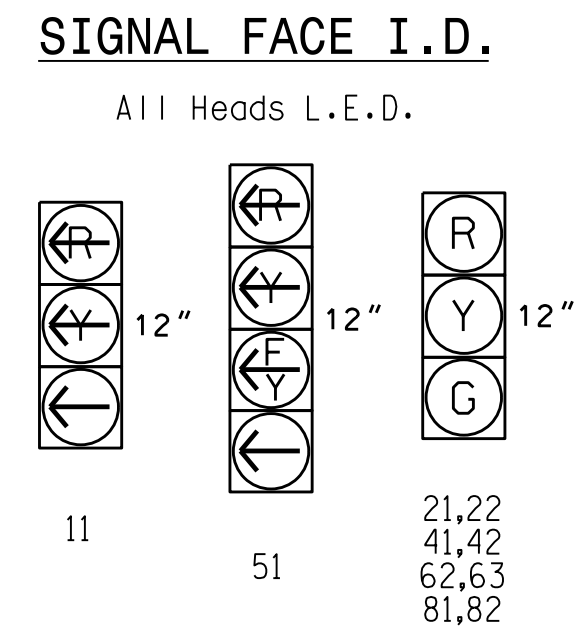


PHASING DIAGRAM



SIGNAL FACE	PHASE				
	01+5	01+6	02+5	02+6	04+8
11	---	---	---	---	---
21,22	R	R	G	G	Y
41,42	R	R	R	R	R
51	---	---	---	---	---
62,63	R	G	R	G	Y
81,82	R	R	R	R	G



LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	6X40	0	*	*	1	Y	Y	-	-	-	-	*
2A	6X6	420	*	*	2	Y	Y	-	-	-	-	*
2B	6X6	0	*	*	2	Y	Y	-	2.0	5	-	*
4A	6X40	0	*	*	4	Y	Y	-	-	3	-	*
4B	6X40	0	*	*	4	Y	Y	-	-	10	-	*
5A	6X40	0	*	*	5	Y	Y	-	-	-	-	*
6A	6X6	420	*	*	6	Y	Y	-	-	-	-	*
6B	6X6	0	*	*	6	Y	Y	-	2.0	5	-	*
8A	6X40	0	*	*	8	Y	Y	-	-	3	-	*
8B	6X40	0	*	*	8	Y	Y	-	-	10	-	*

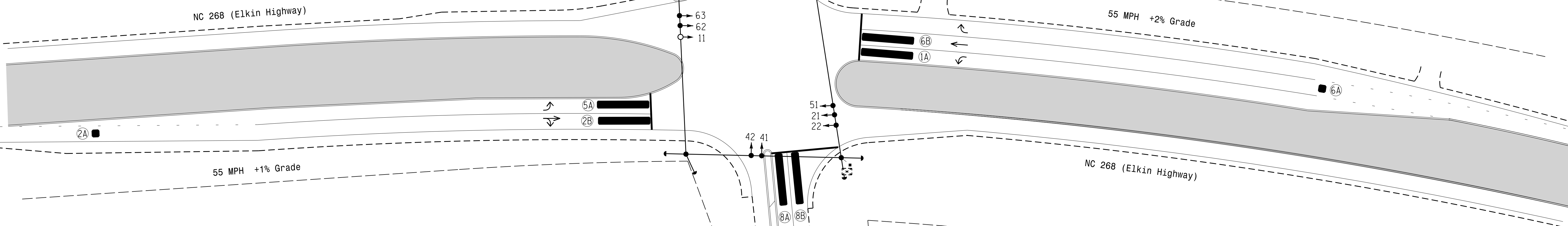
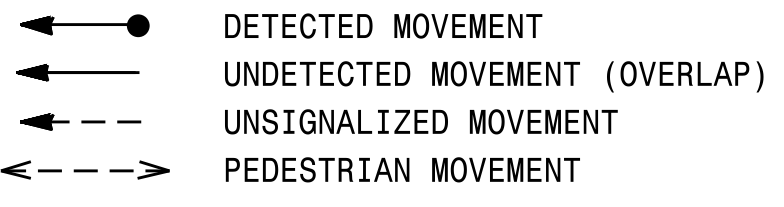
* Video Detection Zone

5 Phase Fully Actuated Isolated

NOTES

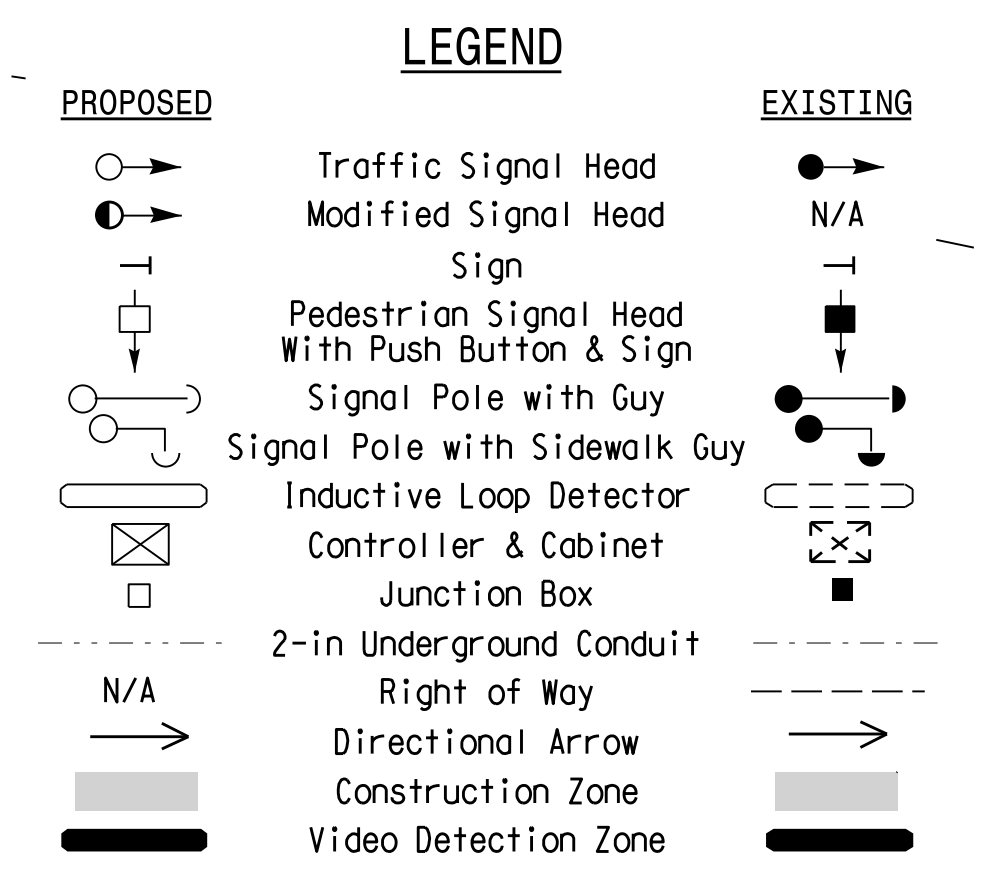
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Reposition existing signal heads numbered 21, 22, 41, 42 and 51.
5. Set all detector units to presence mode.
6. Pavement markings are existing.

PHASING DIAGRAM DETECTION LEGEND



FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	14	7	7	14	7
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	20	90	30	20	90	30
Yellow Clearance	3.0	5.1	5.5	3.0	5.0	5.0
Red Clearance	3.3	1.5	1.5	3.7	1.2	1.6
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.4	-	-	3.4	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON

* 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 - Temporary Design 3 - TCP Phase II (Step 2)

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

1"=40'

NC 268 (Elkin Highway) at SR 1966 (Airport Road)/SR 2333 (River Liberty Grove Church Rd)

Division 11 Wilkes County North Wilkesboro

PLAN DATE: January 2015 REVIEWED BY: T.J. Williams

PREPARED BY: Z.M. Little REVIEWED BY:

REVISIONS: _____ INIT. DATE

SEAL: ZACHARY M. LITTLE, ENGINEER, 030530

DATE: 1/29/2015

SIG. INVENTORY NO. II-0085 T3

2015-01-29 15:49
 R:\Projects\2015\0085\Signal Design\Signal Design.dgn
 Z.M. Little