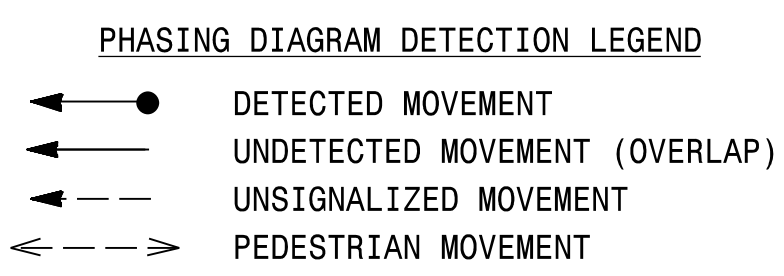
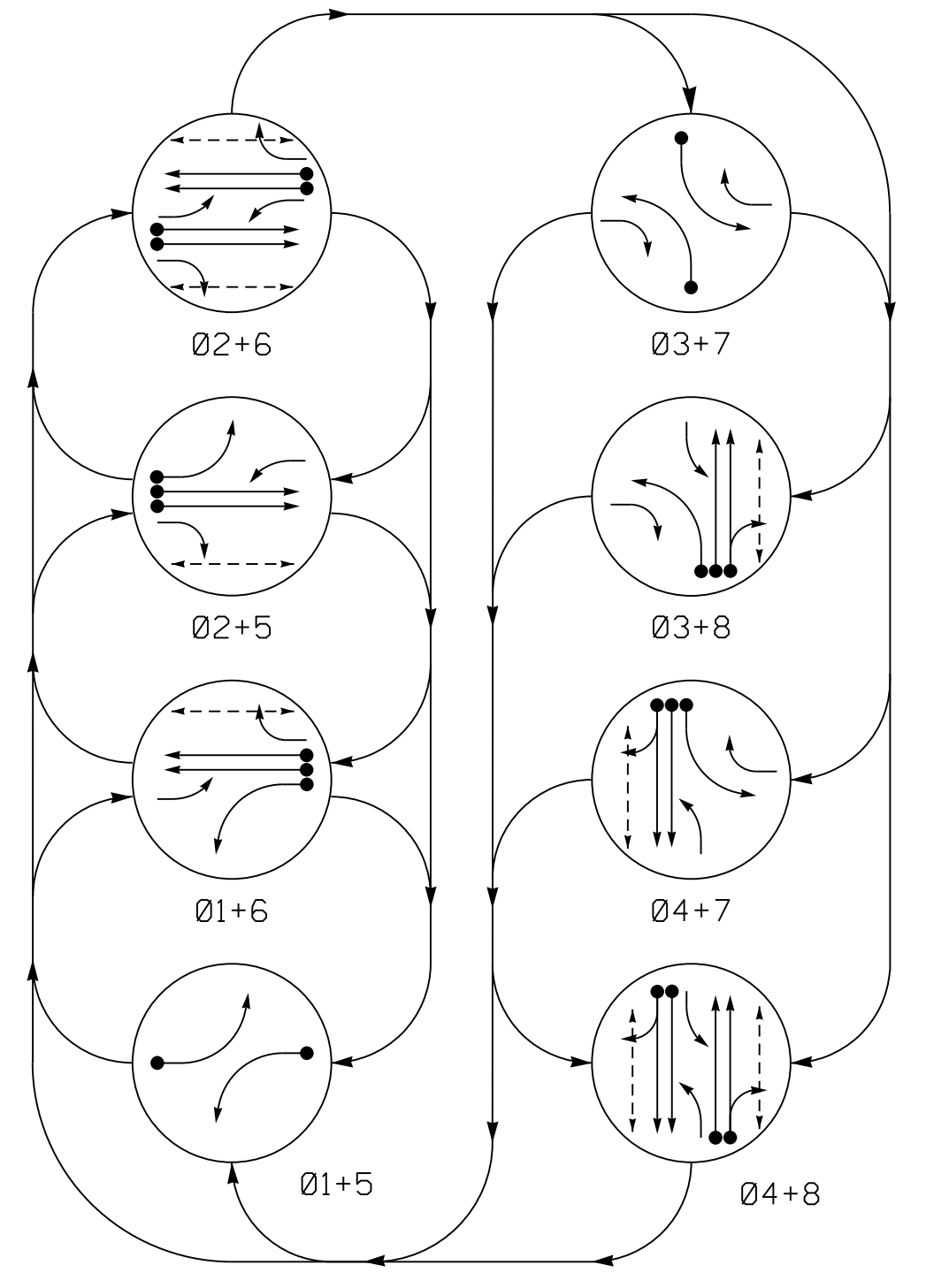


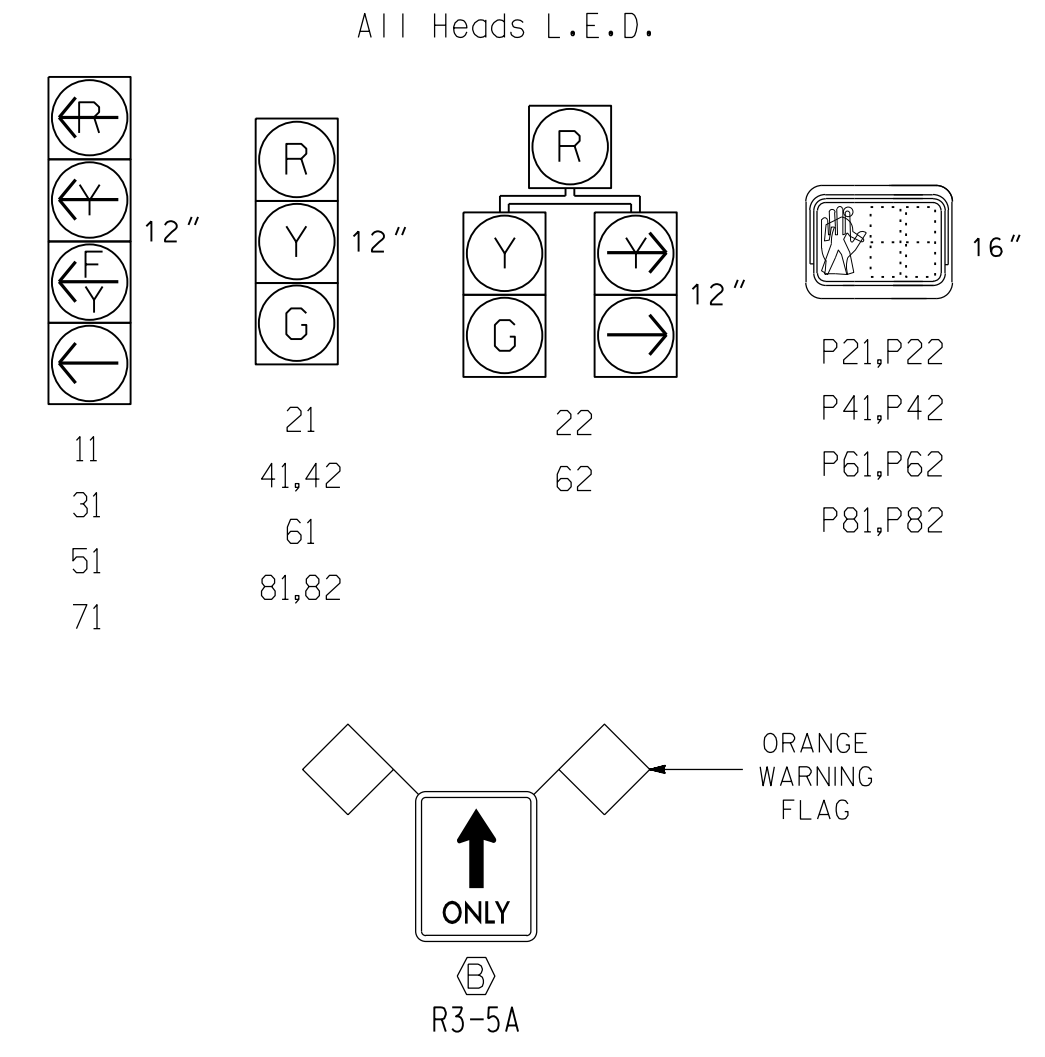
**PHASING DIAGRAM**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE							
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3+7	Ø 3+8	Ø 4+7	Ø 4+8
11	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	R
31	R	R	G	G	R	R	R	R
41,42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	R
62	R	G	R	G	R	R	R	R
71	←	←	←	←	←	←	←	←
81,82	R	R	R	R	G	R	G	R
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	W	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DW	W	DRK

**SIGNAL FACE I.D.**



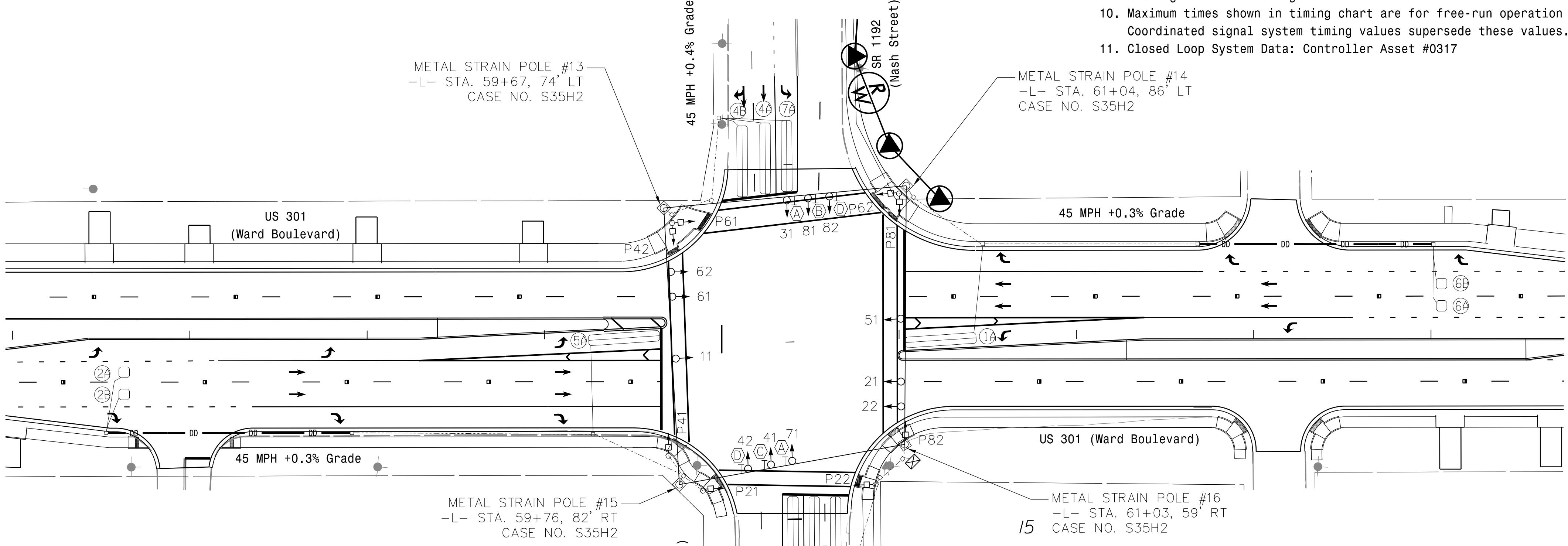
**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP	INDUCTIVE LOOPS			NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS		PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
1A	6x40	0	2-4-2	Y	1	Y	Y	-	15	-	Y
2A	6x6	300	5	Y	2	Y	Y	-	-	-	Y
2B	6x6	300	5	Y	2	Y	Y	-	-	-	Y
3A	6x40	0	2-4-2	Y	3	Y	Y	-	15	-	Y
4A	6x40	0	2-4-2	Y	4	Y	Y	-	-	-	Y
4B	6x40	0	2-4-2	Y	4	Y	Y	-	10	-	Y
5A	6x40	0	2-4-2	Y	5	Y	Y	-	15	-	Y
6A	6x6	300	5	Y	6	Y	Y	-	-	-	Y
6B	6x6	300	5	Y	6	Y	Y	-	-	-	Y
7A	6x40	0	2-4-2	Y	7	Y	Y	-	15	-	Y
8A	6x40	0	2-4-2	Y	8	Y	Y	-	-	-	Y
8B	6x40	0	2-4-2	Y	8	Y	Y	-	10	-	Y

**8-Phase Fully Actuated US 301 (Ward Boulevard) CLS**

**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.
- Phase 3 and/or Phase 7 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "DON'T WALK" time only.
- Thirty days after implementation of the revised signal operation, signs R3-5A and/or orange flags may be removed at the discretion of the Regional Traffic Engineer.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed Loop System Data: Controller Asset #0317

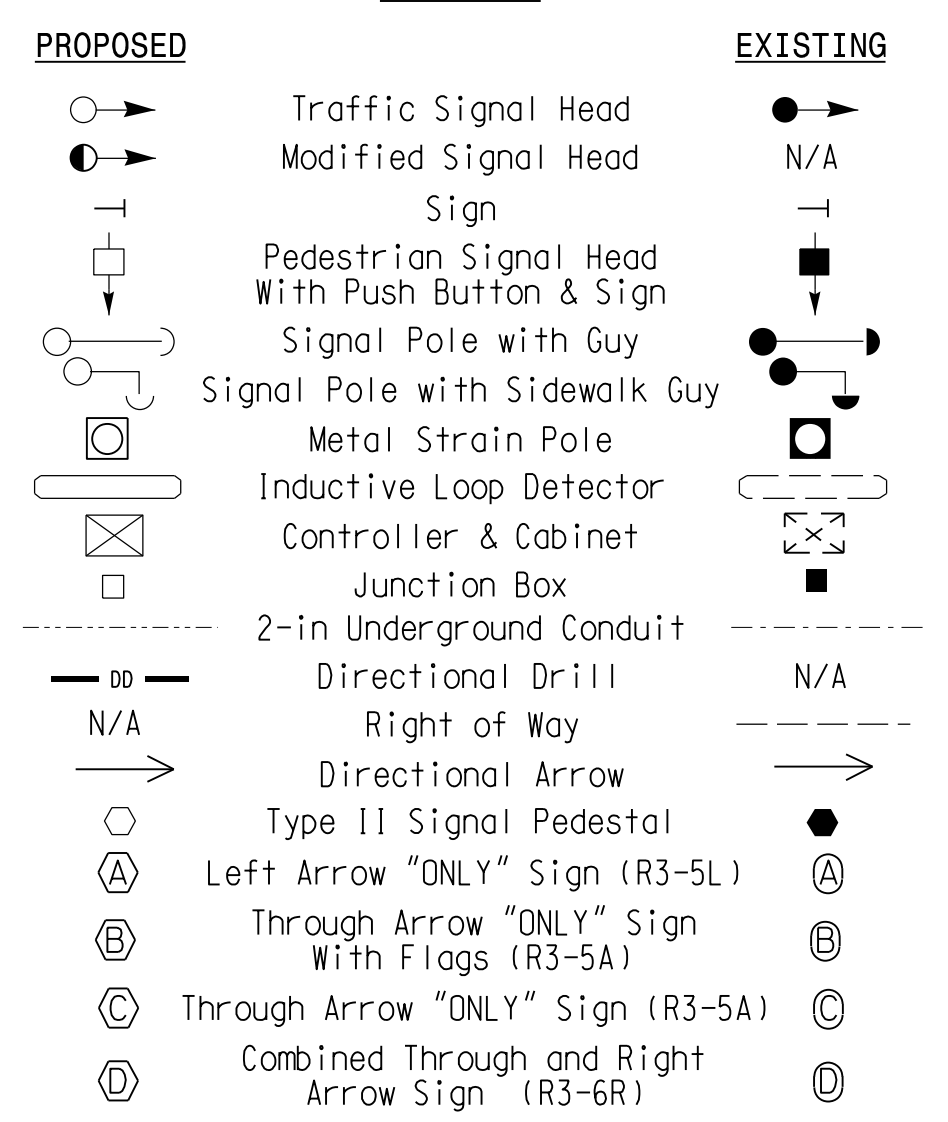


**OASIS 2070 TIMING CHART**

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	20	50	20	30	20	50	20	30
Yellow Clearance	3.0	4.5	3.0	4.5	3.0	4.5	3.0	4.5
Red Clearance	3.4	1.9	3.7	2.5	3.4	1.9	3.5	2.5
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	4.0	-	4.0	-	4.0	-	4.0
Don't Walk 1	-	19	-	27	-	25	-	32
Seconds Per Actuation *	-	1.8	-	-	-	1.8	-	-
Max Variable Initial *	-	34	-	-	-	34	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
Simultaneous Gap	ON	ON	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.

**LEGEND**



**Signal Upgrade**

**Michael Baker INTERNATIONAL**

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Cary, North Carolina 27518  
Phone: 919-463-5488  
NC License No.: F-1084  
MBAKERINTL.COM

US 301 (Ward Boulevard)  
at  
SR 1192 (Nash Street)/  
US 264 ALT/NC 58 (MLK Jr Pkwy)

Division 4 Wilson County Wilson

PLAN DATE: June 2017 REVIEWED BY: W M Ruhssam

PREPARED BY: K M Cory REVIEWED BY:

SEAL

PROFESSIONAL ENGINEER

SEAL 038970

DATE 8/4/2017

SIGNATURE

DATE

SIG. INVENTORY NO. 04-0317

04-AUG-2017 11:01 X:\P\0\fact\US\_301\T\off\c\signal\m\k\5935\SIG\_05.dgn KMCORY AT NDC\W\CORY