

PHASING DIAGRAM

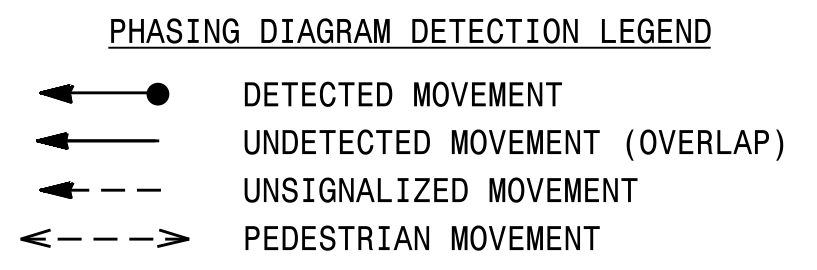
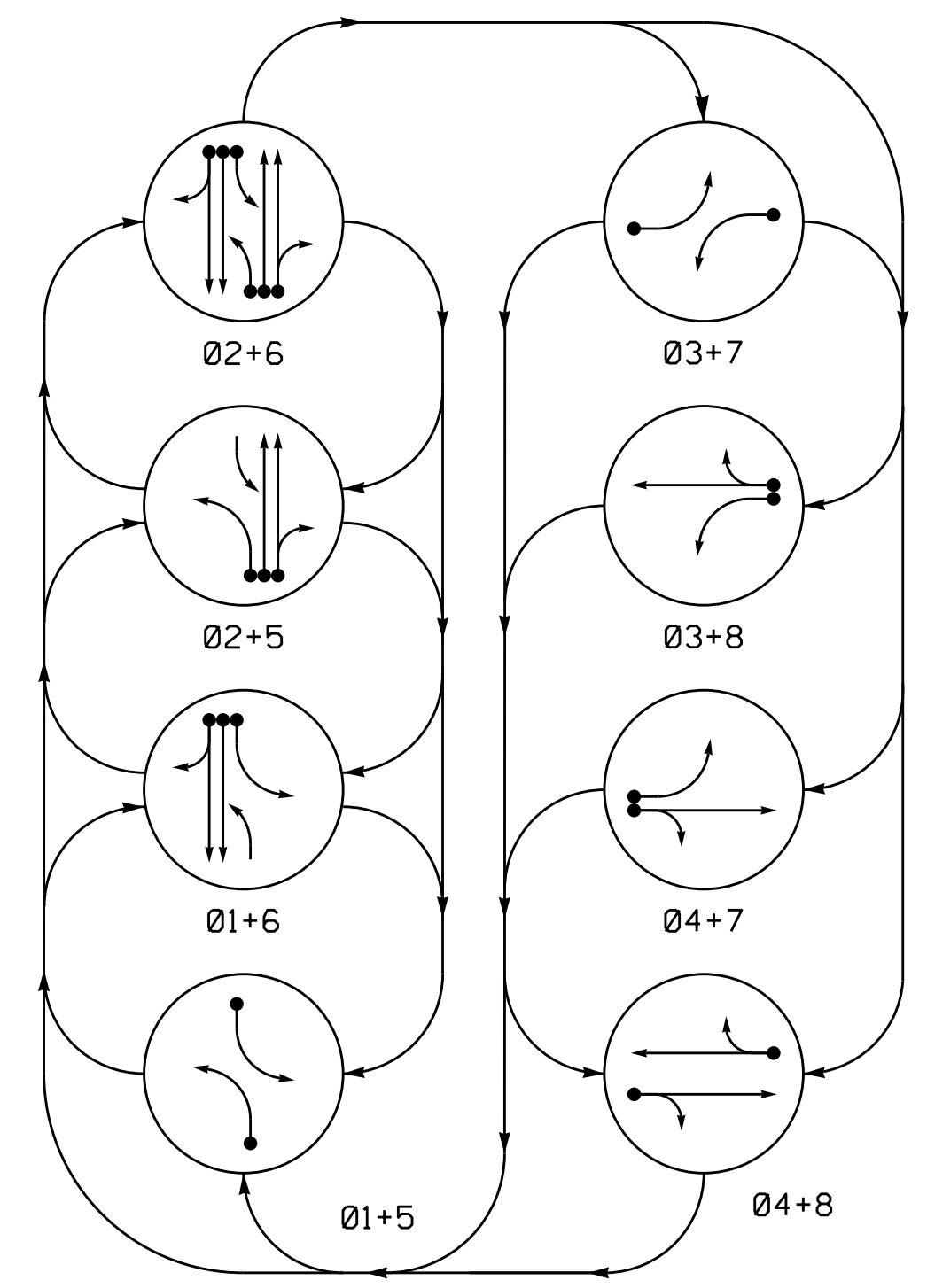
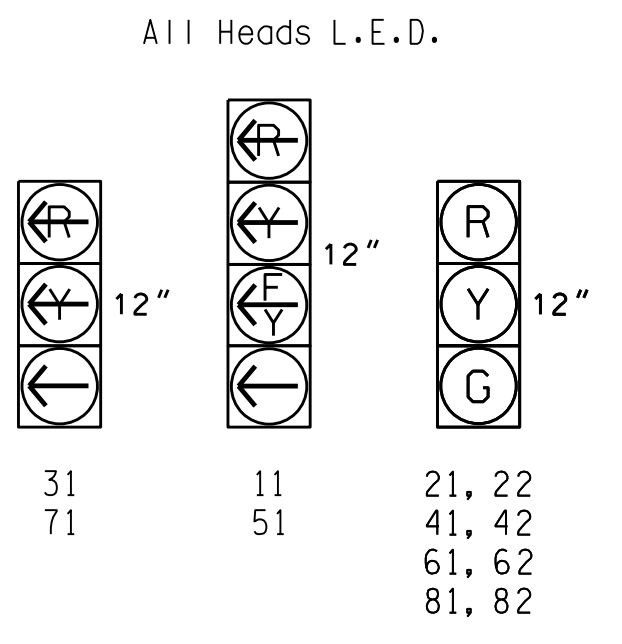


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	02+6	03+7	04+8	01+6	02+5	03+8	04+7
11	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41, 42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81, 82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

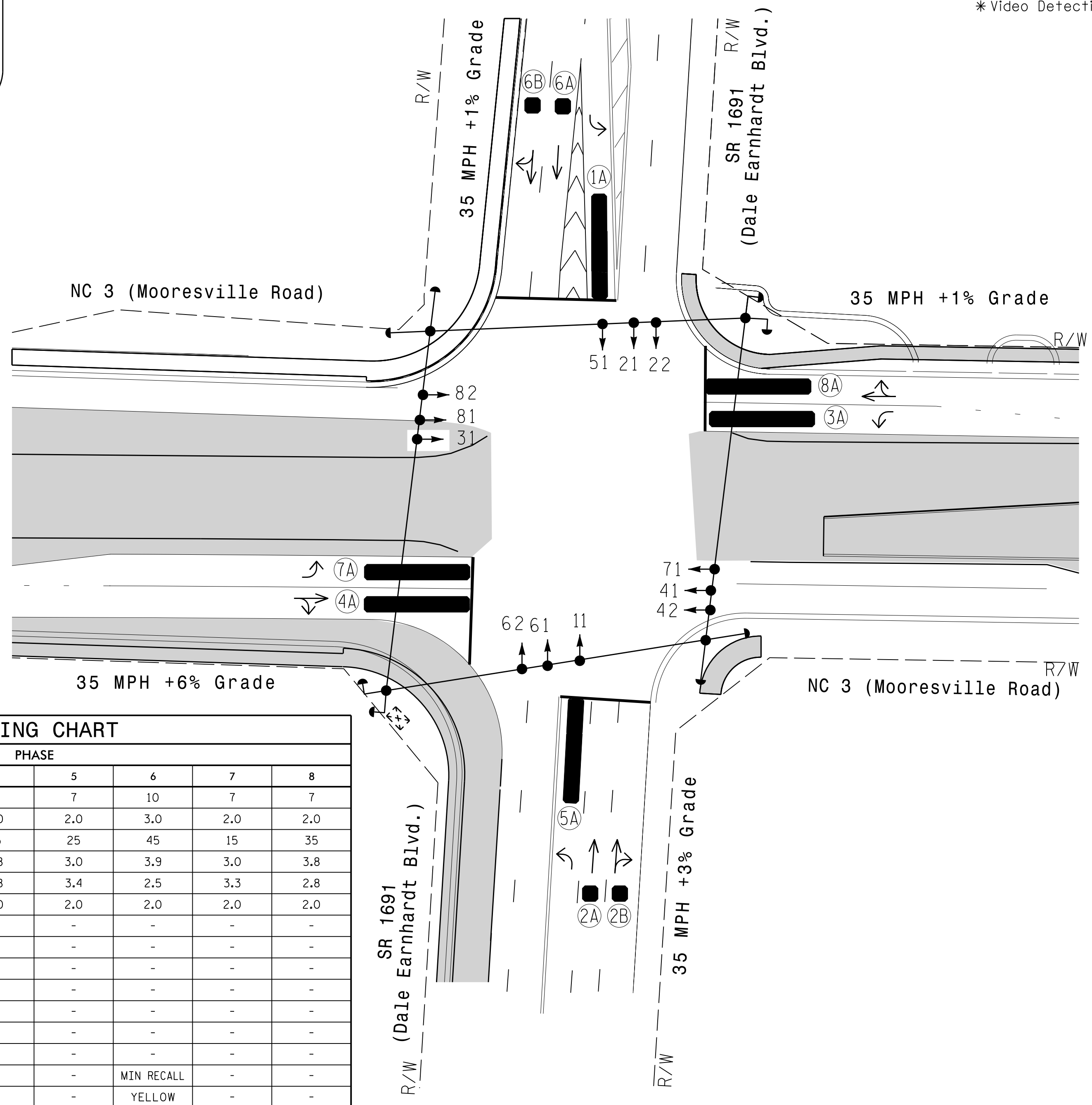
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW ZONE	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
1A	6X40	0	*	Y	1	Y	Y	-	15	-	*
2A	6X6	70	*	Y	2	Y	Y	-	-	-	*
2B	6X6	70	*	Y	2	Y	Y	-	-	-	*
3A	6X40	0	*	Y	3	Y	Y	-	-	-	*
4A	6X40	0	*	Y	4	Y	Y	-	10	-	*
5A	6X40	0	*	Y	5	Y	Y	-	15	-	*
6A	6X6	70	*	Y	6	Y	Y	-	-	-	*
6B	6X6	70	*	Y	6	Y	Y	-	-	-	*
7A	6X40	0	*	Y	7	Y	Y	-	-	-	*
8A	6X40	0	*	Y	8	Y	Y	-	10	-	*

* Video Detection

8 Phase Fully Actuated Kannapolis City 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. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Adjust existing video detection zones numbered 1A, 6A & 6B.
6. Set all detector units to presence mode.
7. Incorporate Loop Emulator Detection System for vehicle detection.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
9. Closed loop system data: Controller Asset # 0445.

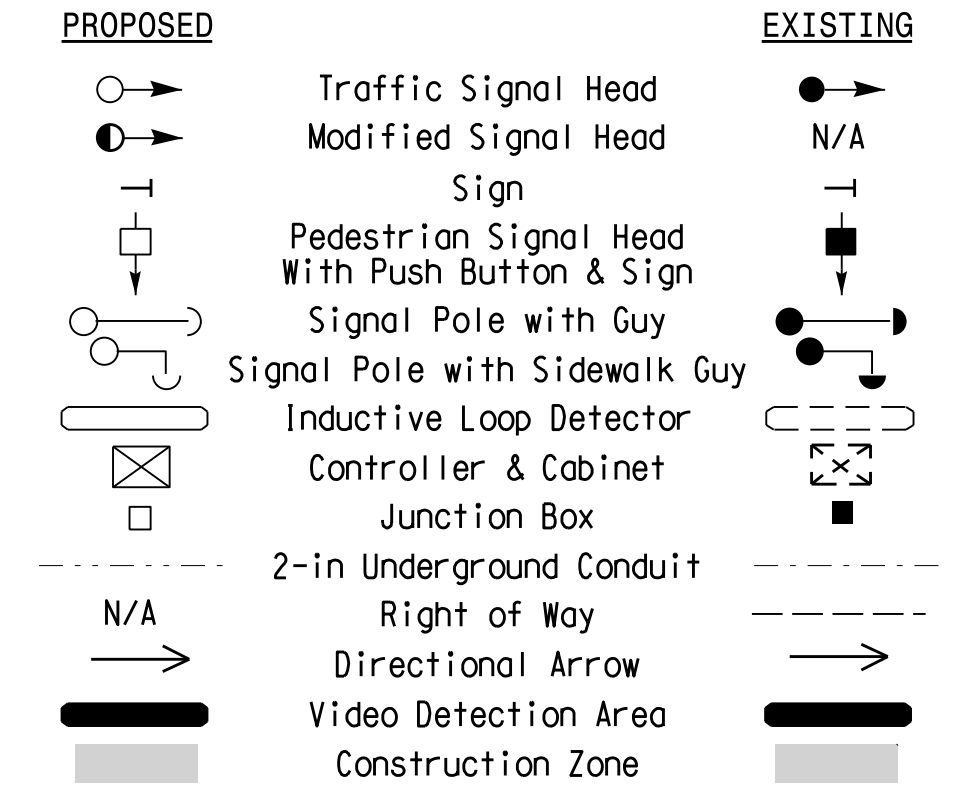


OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	10	7	7	7	10	7	7
Extension 1 *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max Green 1 *	25	45	15	35	25	45	15	35
Yellow Clearance	3.0	3.9	3.0	3.8	3.0	3.9	3.0	3.8
Red Clearance	3.4	2.5	3.3	2.8	3.4	2.5	3.3	2.8
Red Revert	2.0	2.0	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 *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
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 Temporary Design-TMP Phase III

NC 3 (Mooresville Road) at SR 1691 (Dale Earnhardt Blvd.)

Division 10 Cabarrus County Kannapolis

PLAN DATE: April 2016 REVIEWED BY: T. Williams

PREPARED BY: M. Mahbooba REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 0 30 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024393 THOMAS J. WILLIAMS

DocuSigned by: S. J. Williams 6/22/2016

SIG. INVENTORY NO. 10-0445 T3

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