

PHASING DIAGRAM

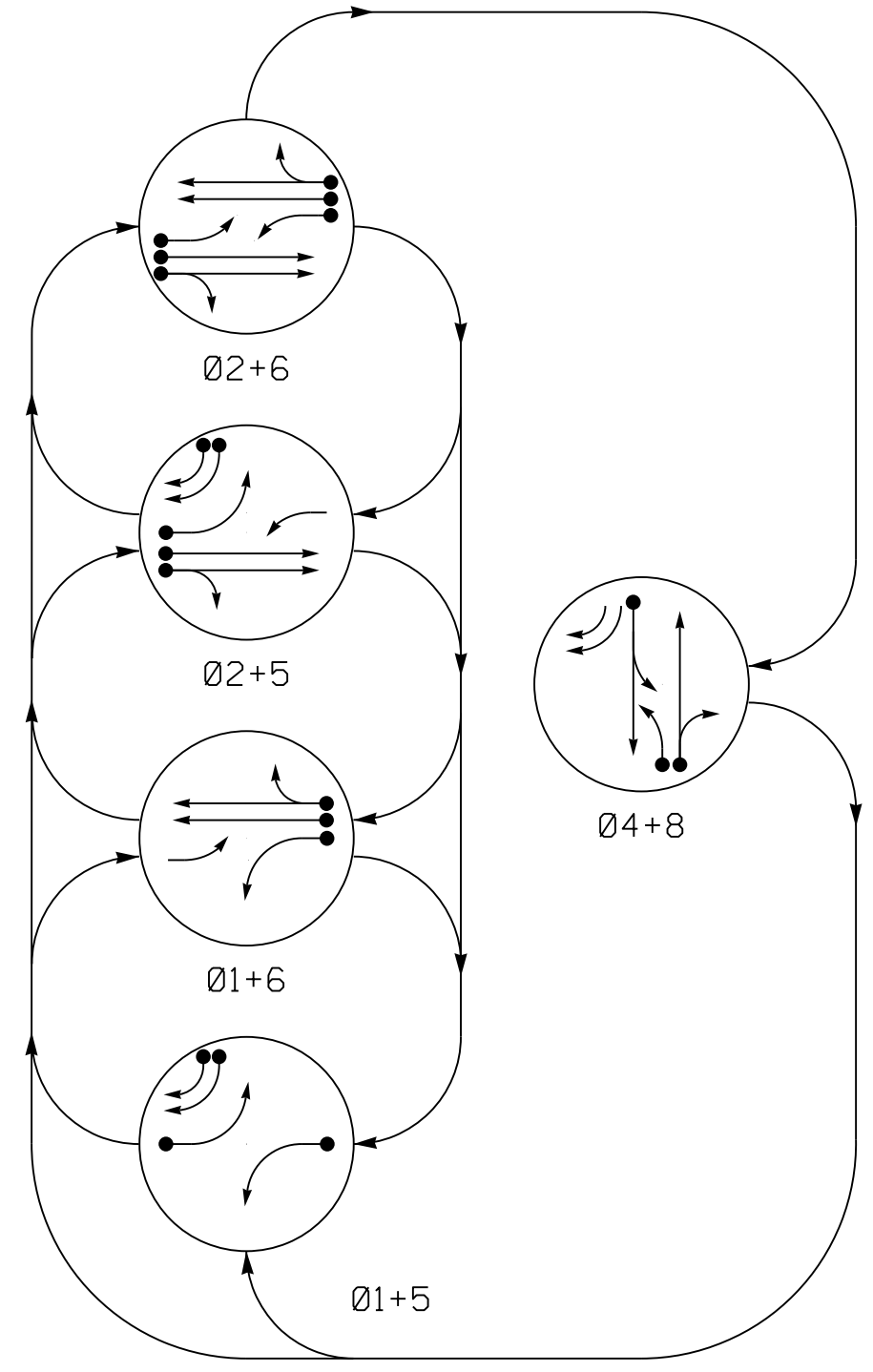
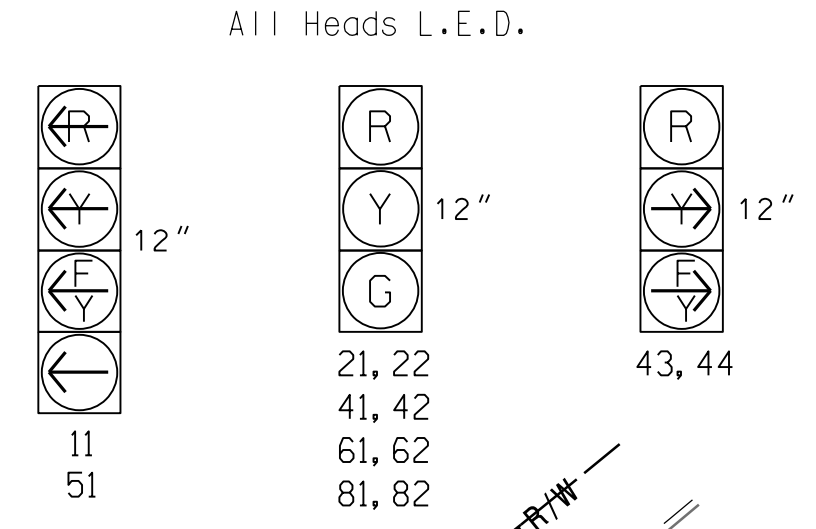


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 4 + 8	F L A L HEADS
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
43, 44	←	←	←	←	←	←
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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	*	Y	1	Y	Y	-	-	15	-	-
2A	6X6	70	*	Y	2	Y	Y	-	-	-	-	-
2B	6X6	70	*	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	*	Y	4	Y	Y	-	-	-	-	-
5A	6X40	0	*	Y	5	Y	Y	-	-	15	-	-
5B	6X40	0	*	Y	5	Y	Y	-	-	15	-	-
5C	6X40	0	*	Y	5	Y	Y	-	-	15	-	Y
6A	6X6	70	*	Y	6	Y	Y	-	-	-	-	-
6B	6X6	70	*	Y	6	Y	Y	-	-	-	-	Y
8A	6X40	0	*	Y	8	Y	Y	-	-	3	-	-
8B	6X40	0	*	Y	8	Y	Y	-	-	10	-	-

* Video Detection Area. Camera locations shown are schematic and should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

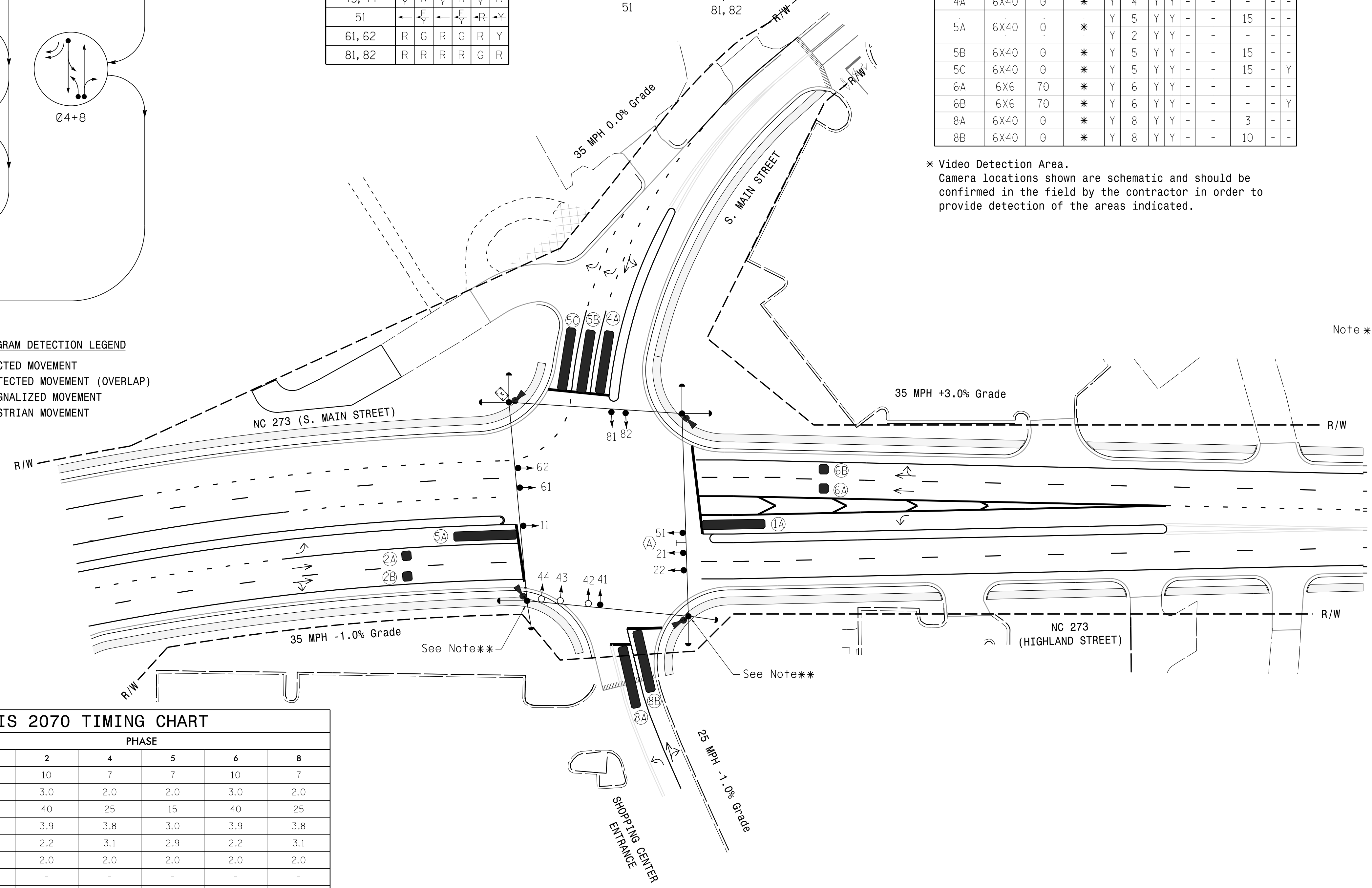
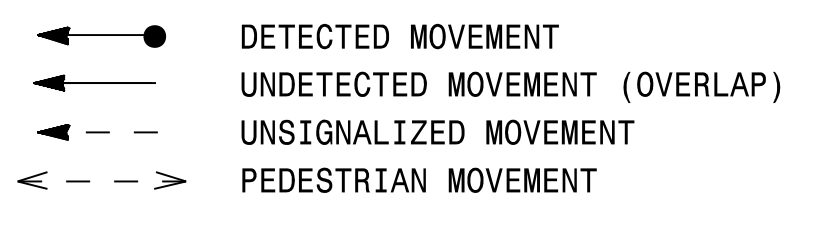
5 Phase Fully Actuated (Isolated)

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. Phases 1 and 5 may be lagged.
4. Set all detector units to presence mode.
5. Install a box span if it can be done without temporary poles, span wire, and signal heads being in conflict with construction of future metal poles and mast arms.

Note **: Delay construction of proposed sidewalk in this quadrant until temporary wooden signalpoles are removed.

PHASING DIAGRAM DETECTION LEGEND

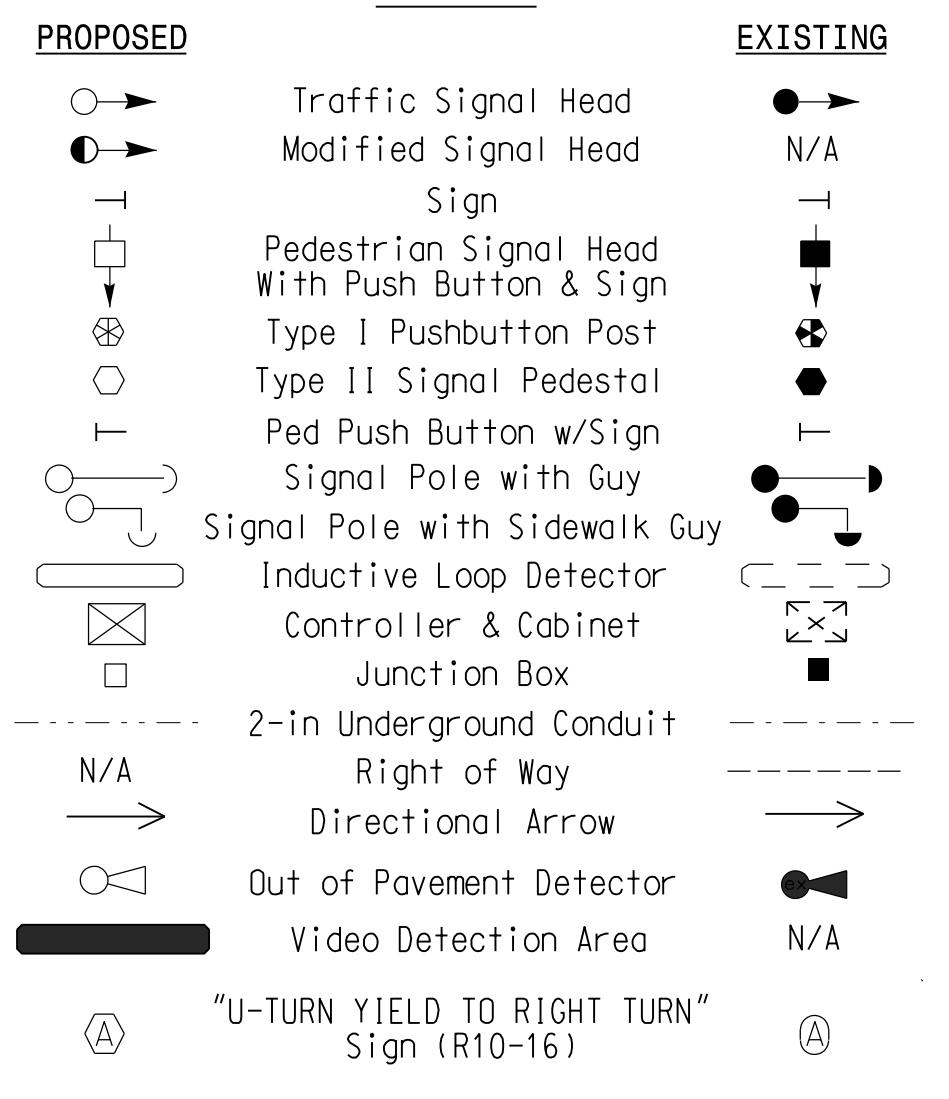


OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	10	7	7	10	7
Extension 1 *	2.0	3.0	2.0	2.0	3.0	2.0
Max Green 1 *	15	40	25	15	40	25
Yellow Clearance	3.0	3.9	3.8	3.0	3.9	3.8
Red Clearance	2.6	2.2	3.1	2.9	2.2	3.1
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 *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
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.

LEGEND



Signal Upgrade Temporary Design 2 - TMP Phases 2 & 3

NC 273 (Highland St/S.Main St) at S.Main St/ Shopping Center Entrance

Division 12 Gaston County Mount Holly

PLAN DATE: JULY 2016 REVIEWED BY: D. HARRIS

PREPARED BY: J. HAMBRIGHT REVIEWED BY: B. WATSON

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: Betsy L. Watson 10/4/2016

SIG. INVENTORY NO. 12-0981-12

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