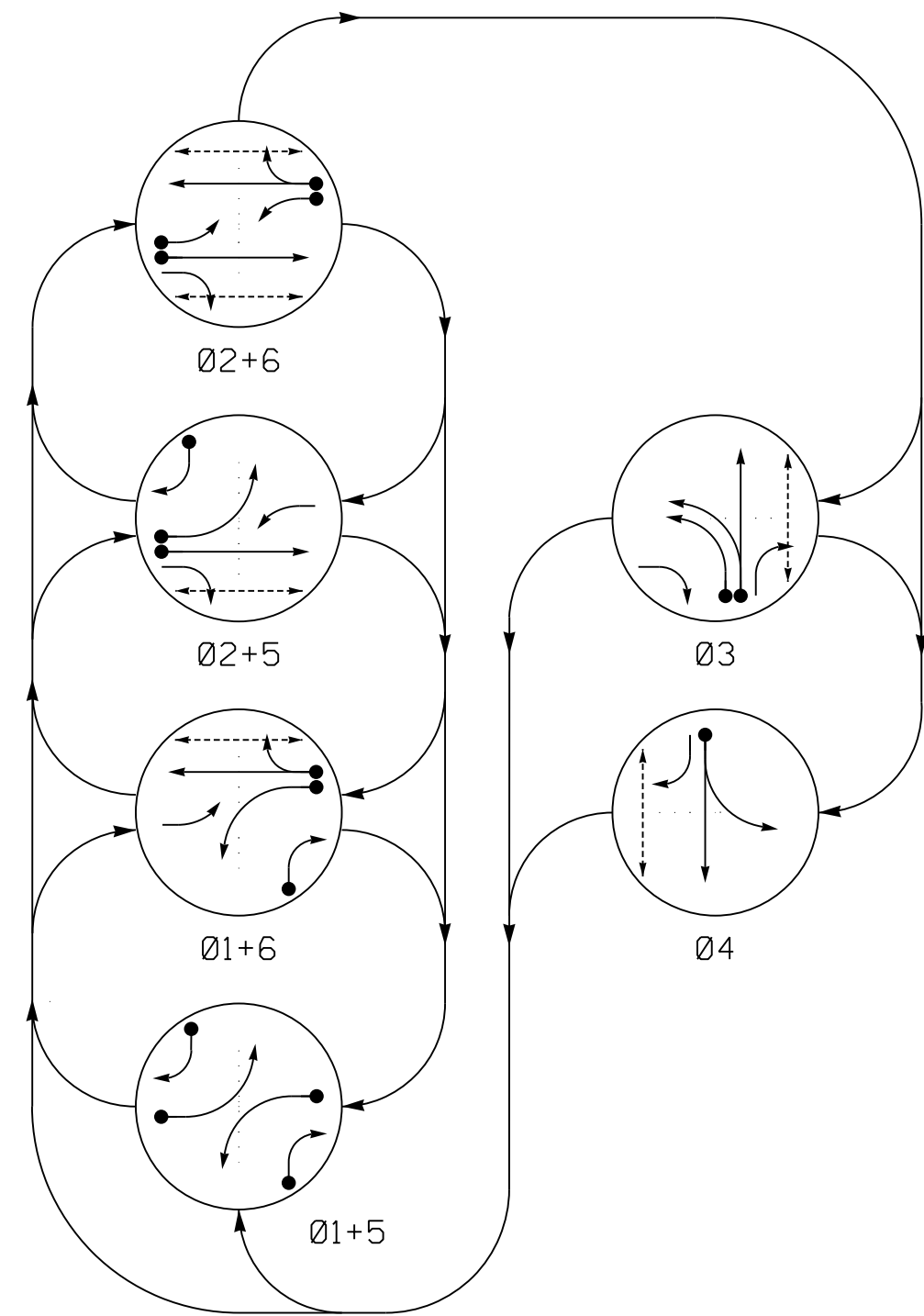


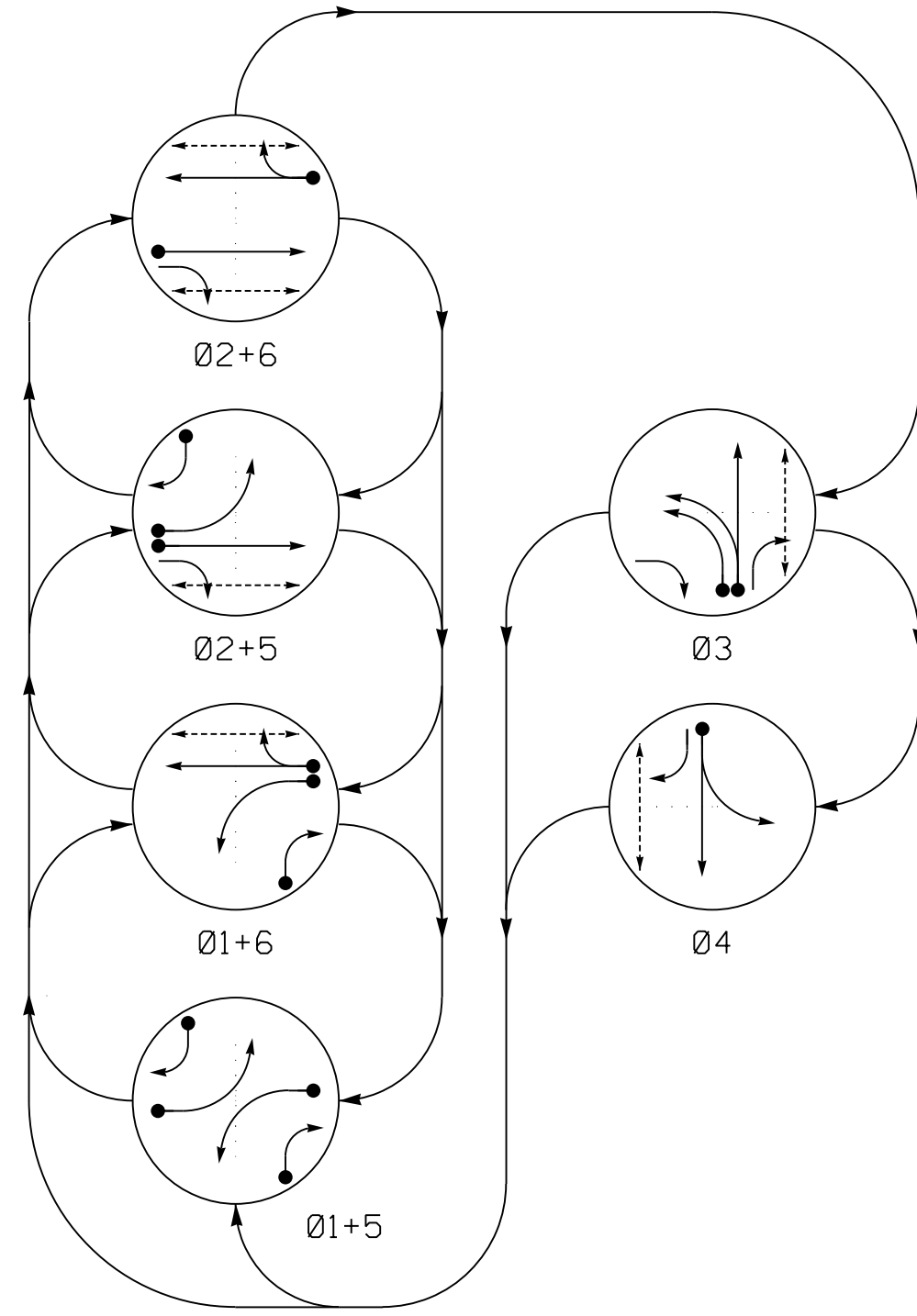
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE						
	0 1 + 5	0 1 + 6	0 2 + 5	0 2 + 6	0 3	0 4	F L A S H
11							
21	R	R	G	G	R	R	R
22	R	R	G	G		R	R
31	R	R	R	R		R	R
32			R	R	G	R	R
33							
41	R	R	R	R	R		R
42				R	R	G	R
51							
61,62	R	G	R	G	R	R	R
P21,P22	DW	DW	W	W	DW	DW	DR
P31,P32	DW	DW	DW	DW	W	DW	DR
P41,P42	DW	DW	DW	DW	DW	W	DR
P61,P62	DW	W	DW	W	DW	DW	DR

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE						
	0 1 + 5	0 1 + 6	0 2 + 5	0 2 + 6	0 3	0 4	F L A S H
11	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R
22	R	R	G	G	R	R	R
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
33	←	←	←	←	←	←	←
41	R	R	R	R	G	R	R
42	R	R	R	R	G	R	R
51	←	←	←	←	←	←	←
61,62	R	G	R	G	R	R	R
P21,P22	DW	DW	W	W	DW	DW	DR
P31,P32	DW	DW	DW	DW	W	DW	DR
P41,P42	DW	DW	DW	DW	DW	W	DR
P61,P62	DW	W	DW	W	DW	DW	DR

MAXTIME DETECTOR INSTALLATION CHART

[illegible]

```
* Disable Delay during Alternate Phasing operation.
@ Reduce Delay to 3 seconds during Alternate Phasing operation.
# Disable Phase call for loop during Alternate Phasing operation.
```

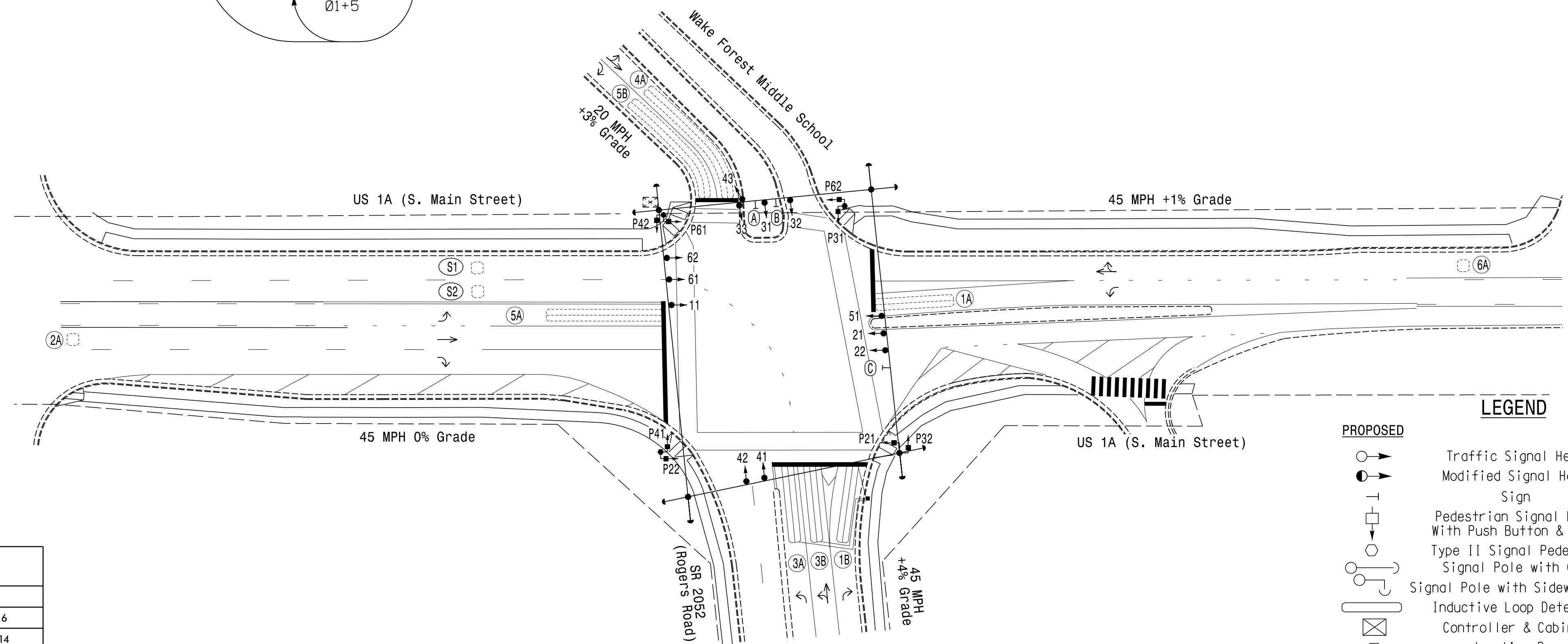
6 PHASE
FULLY ACTUATED
(WAKE FOREST SIGNAL SYSTEM)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
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. The order of phase 3 and phase 4 may be reversed.
5. Set all detector units to presence mode.
6. In the event of loop replacement, refer to the current ITS and Signal Design Manual and submit a Plan of Record to the Signal Design Section.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Pavement markings are existing.
10. The Division (Town) Traffic Engineer will determine the hours of use for each phasing plan.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.

PHASING DIAGRAM DETECTION LEGEND

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



MAXTIME TIMING CHART

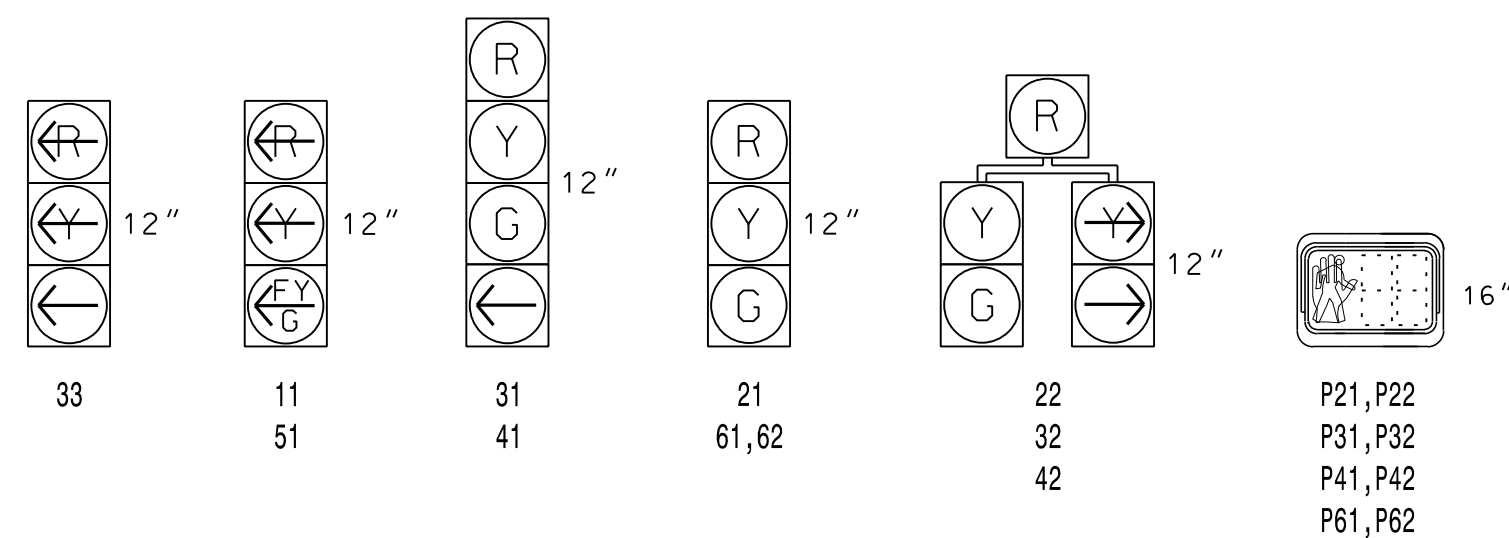
FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	–	14	14	14	–	14
Ped Clear	–	32	36	36	–	26
Min Green	7	12	7	7	7	12
Passage *	2.0	6.0	2.0	1.0	1.0	6.0
Max 1 *	30	90	40	30	20	90
Yellow Change	3.0	4.5	4.2	3.0	3.0	4.5
Red Clear	3.1	1.7	2.4	3.7	3.2	1.7
Added Initial *	–	2.5	–	–	–	2.5
Maximum Initial *	–	34	–	–	–	34
Time Before Reduction *	–	15	–	–	–	15
Time To Reduce *	–	45	–	–	–	45
Minimum Gap	–	3.0	–	–	–	3.0
Advance Walk	–	7	7	7	–	7
Non Lock Detector	X	–	X	X	X	–
Vehicle Recall	–	MIN RECALL	–	–	–	MIN RECALL
Dual Entry	–	–	–	–	–	–

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds. Do not adjust Walk times lower than what is shown.

SIGNAL FACE I.D.

All Heads L.E.D.

$\left(\frac{F_Y}{G} \right) = \text{Bimodal Section}$



Signal Upgrade

Prepared For:  750 N. Greenfield Pkwy, Garner, NC 27529	US 1A (S. MAIN ST) AT SR 2052 (ROGERS RD)/WAKE FOREST MIDDLE SCHOOL DIVISION 5 WAKE COUNTY WAKE FOREST PLAN DATE: MARCH 2025 REVIEWED BY: DTSEARS PREPARED BY: WPJONES REVIEWED BY:	SEAL  DocuSigned by <i>David T. Sears</i> 000183F28E5741E 3/10/2025																																	
 SCALE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">REVISONS</th> <th style="width: 20%;">INIT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISONS	INIT.	DATE																														
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