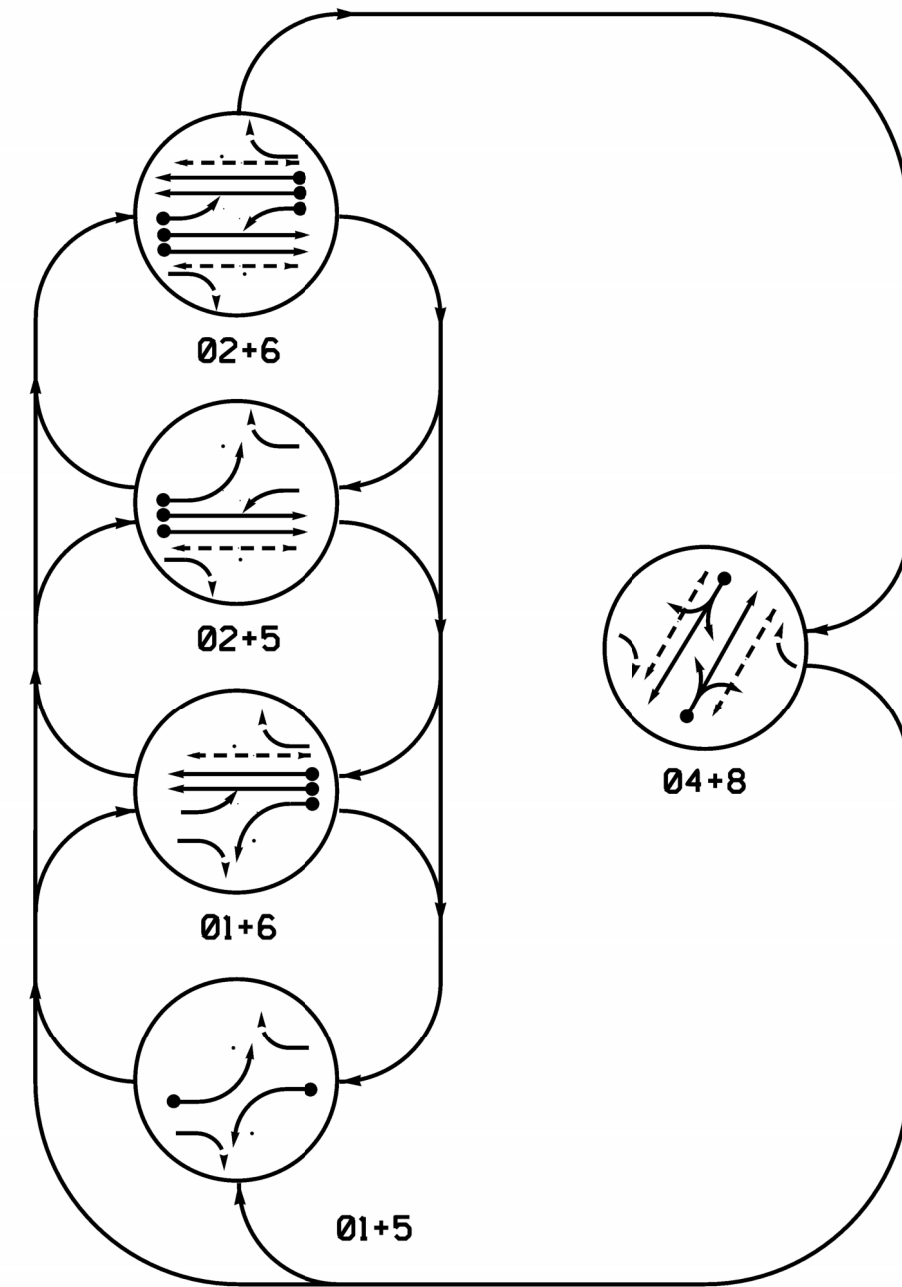


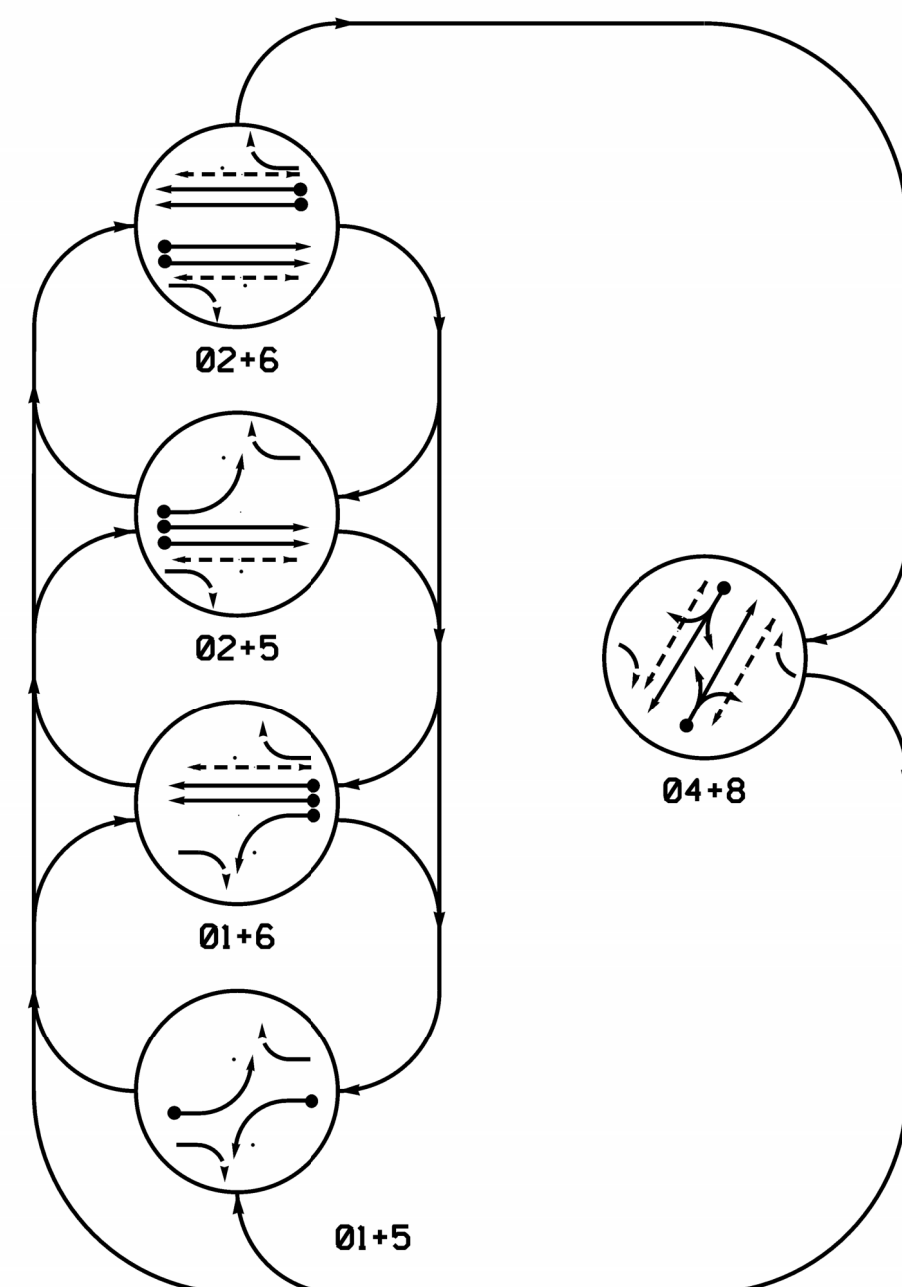
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					FLASH
	01+5	01+6	02+5	02+6	04+8	
11	---	---	---	---	---	---
21,22	R	R	G	G	R	Y
41,42,43	R	R	R	R	G	R
51	---	---	---	---	---	---
61,62	R	G	R	G	R	Y
81,82,83	R	R	R	R	G	R
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	W	DW	DW	W	DRK
P61,P62	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DRK

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					FLASH
	01+5	01+6	02+5	02+6	04+8	
11	---	---	---	---	---	---
21,22	R	R	G	G	R	Y
41,42,43	R	R	R	R	G	R
51	---	---	---	---	---	---
61,62	R	G	R	G	R	Y
81,82,83	R	R	R	R	G	R
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DRK

MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	INITIAL	CALL	NEW CARD	
1A	6X40	0	2-4-2	X	1	15.0*	-	X	-	X	-	X
2A	6X6	300	6	X	2	-	-	X	X	X	-	X
2B	6X6	300	6	X	2	-	-	X	X	X	-	X
4A	6X40	0	2-4-2	X	4	10.0	-	X	-	X	-	X
5A	6X40	0	2-4-2	X	5	15.0*	-	X	-	X	-	X
6A	6X6	300	6	X	6	-	-	X	X	X	-	X
6B	6X6	300	6	X	6	-	-	X	X	X	-	X
8A	6X40	0	2-4-2	X	8	10.0	-	X	-	X	-	X
S1	6X6	+200	6	X	-	-	-	-	-	-	-	X
S2	6X6	+200	6	X	-	-	-	-	-	-	-	X
S15	6X6	+200	6	X	-	-	-	-	-	-	-	X
S16	6X6	+200	6	X	-	-	-	-	-	-	-	X

5 Phase Fully Actuated (Old Hollow Road CLS) Signal System #: D09-29_Walkertown

NOTES

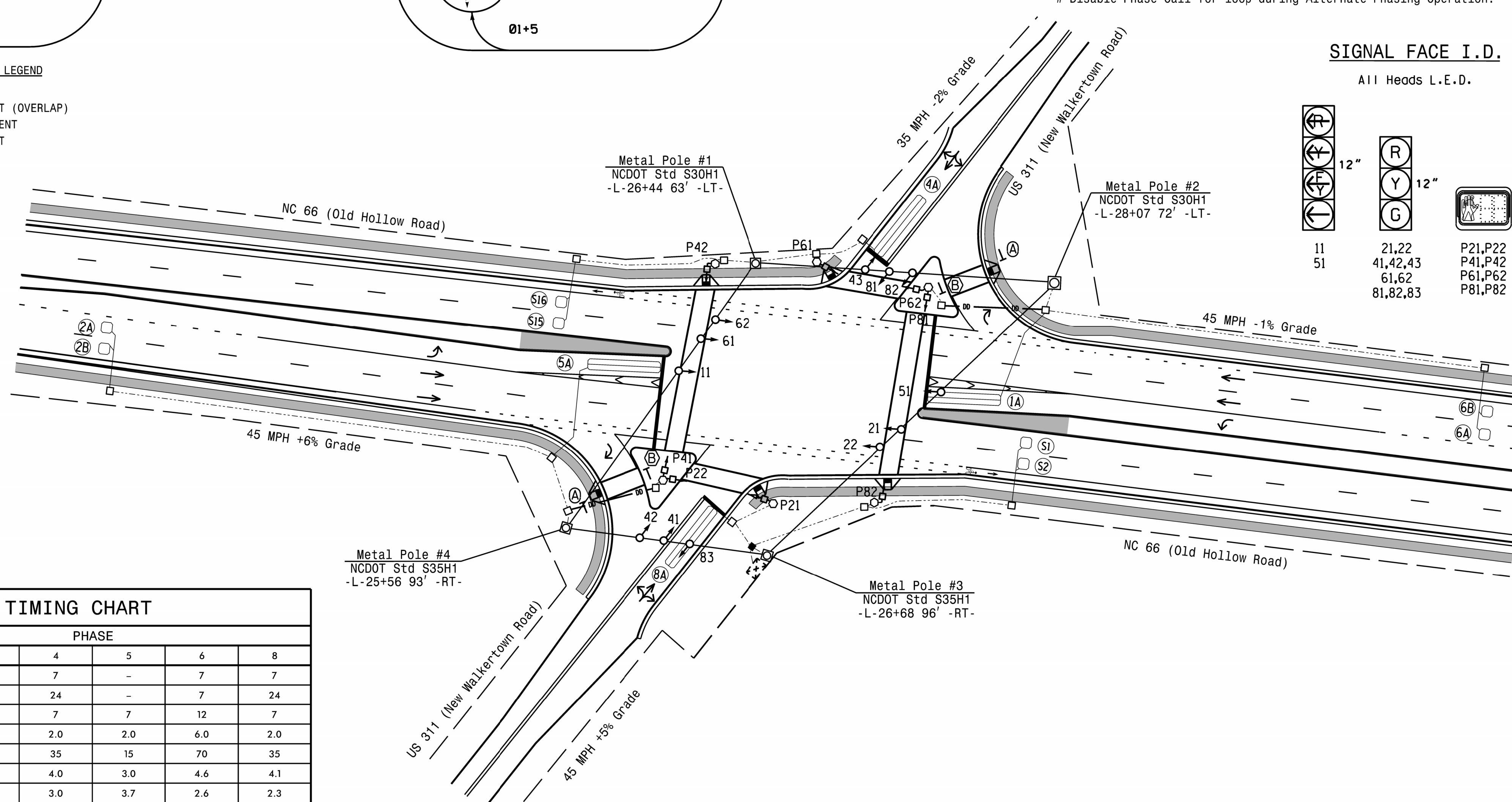
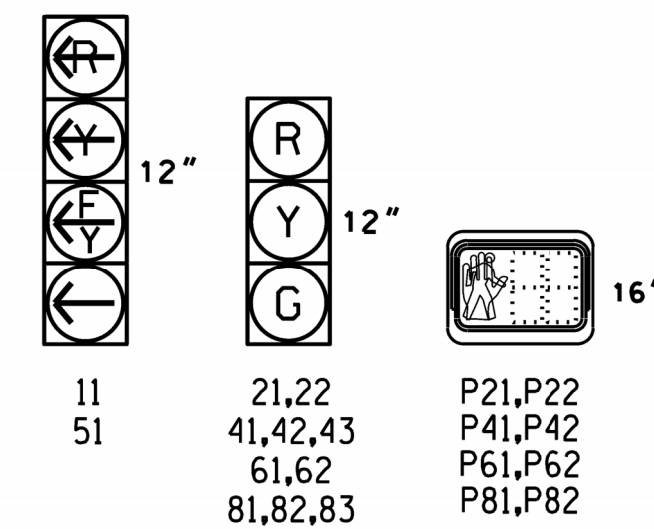
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pedestal poles and Pedestrian signal heads shall be black in color.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Walk *	-	7	7	-	7	7	7	
Ped Clear *	-	8	24	-	7	24	24	
Min Green *	7	12	7	7	12	7	7	
Passage *	2.0	6.0	2.0	2.0	6.0	2.0	2.0	
Max I *	15	70	35	15	70	35	35	
Yellow Change	3.0	4.6	4.0	3.0	4.6	4.1	4.1	
Red Clear	3.6	2.6	3.0	3.7	2.6	2.3	2.3	
Added Initial *	-	1.5	-	-	1.5	-	-	
Maximum Initial *	-	34	-	-	34	-	-	
Time Before Reduction *	-	15	-	-	15	-	-	
Time To Reduce *	-	30	-	-	30	-	-	
Minimum Gap	-	3.0	-	-	3.0	-	-	
Advance Walk	-	3	3	-	3	3	3	
Non Lock Detector	X	-	X	X	-	X	X	
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-	-	
Dual Entry	-	-	X	-	-	X	X	

* 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.

LEGEND

PROPOSED	EXISTING
	N/A
	N/A

Signal Upgrade - Final Design

Prepared in the Office of:

 NC FIRM LICENSE No: P-0339
 320 Executive Court
 Hillsborough, NC 27278
 (919) 732-3883
 (919) 732-6676 (FAX)

Prepared For:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 66 (Old Hollow Road) at US 311 (New Walkertown Road)

Division 9 Forsyth County Walkertown

PLAN DATE: August 2023	REVIEWED BY: J. Smith
PREPARED BY: E. Sirgany	REVIEWED BY:

REVISIONS

NO.	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Edward W. Sirgany
 ENGINEER
 DATE: 9/7/2023
 SIG. INVENTORY NO. 09-0345