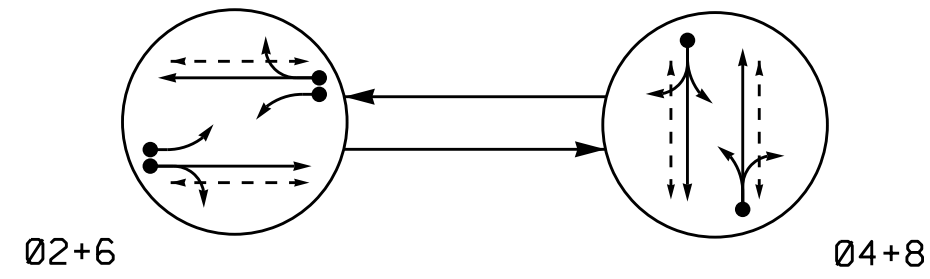


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

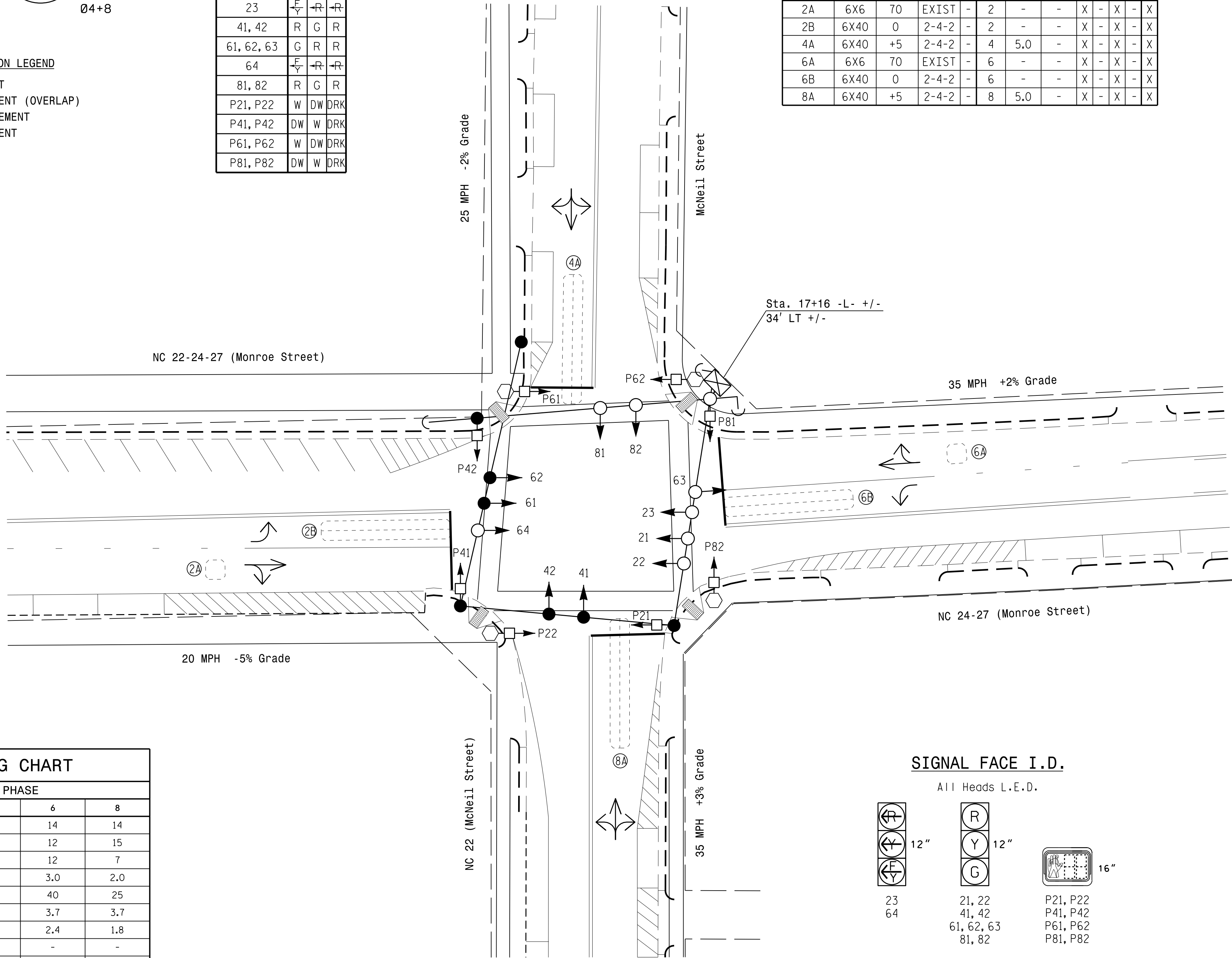
SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21, 22	G	R	R
23	F	R	R
41, 42	R	G	R
61, 62, 63	G	R	R
64	F	R	R
81, 82	R	G	R
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

MAXTIME DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	URNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD
2A	6X6	70	EXIST	-	2	-	-	X	-	X
2B	6X40	0	2-4-2	-	2	-	-	X	-	X
4A	6X40	+5	2-4-2	-	4	5.0	-	X	-	X
6A	6X6	70	EXIST	-	6	-	-	X	-	X
6B	6X40	0	2-4-2	-	6	-	-	X	-	X
8A	6X40	+5	2-4-2	-	8	5.0	-	X	-	X

2 Phase
Fully Actuated
(Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Reposition existing signal heads numbered 61 and 62.
- 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.
- Pavement markings are existing unless otherwise shown.



MAXTIME TIMING CHART				
FEATURE	PHASE			
	2	4	6	8
Walk *	14	14	14	14
Ped Clear *	17	14	12	15
Min Green *	12	7	12	7
Passage *	3.0	2.0	3.0	2.0
Max I *	40	25	40	25
Yellow Change	3.7	3.7	3.7	3.7
Red Clear	2.4	1.8	2.4	1.8
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	7	7	7	7
Non Lock Detector	-	X	-	X
Vehicle Recall	MIN RECALL	-	MIN RECALL	-
Dual Entry	-	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

Signal Upgrade

	NC 22-24-27 (Monroe Street) at NC 22 (McNeil Street)	
	Division 8	Moore County
	PLAN DATE: July 2024	REVIEWED BY:
	PREPARED BY: J.A. Lohr	REVIEWED BY:
750 N. Greenfield Pkwy, Garner, NC 27529		
0 SCALE 20 1"=20'		
REVISIONS		
INIT. DATE		
11/27/2024		
SIG. INVENTORY NO. 08-0091		

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
PROFESSIONAL
ENGINEER
ROBERT J. ZIEMBA
11/27/2024
DATE
SIG. INVENTORY NO. 08-0091