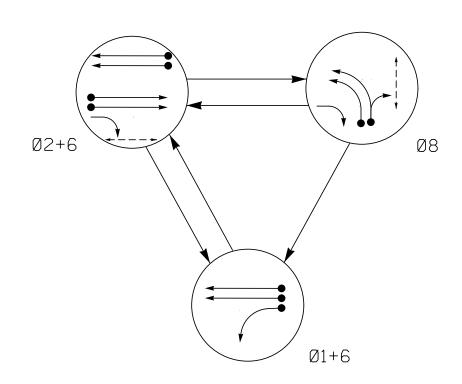


DocuSign Envelope ID: 71A6ECA9-99B4-4A07-8B92-D1E2A58F3BE5

lower than 4 seconds.

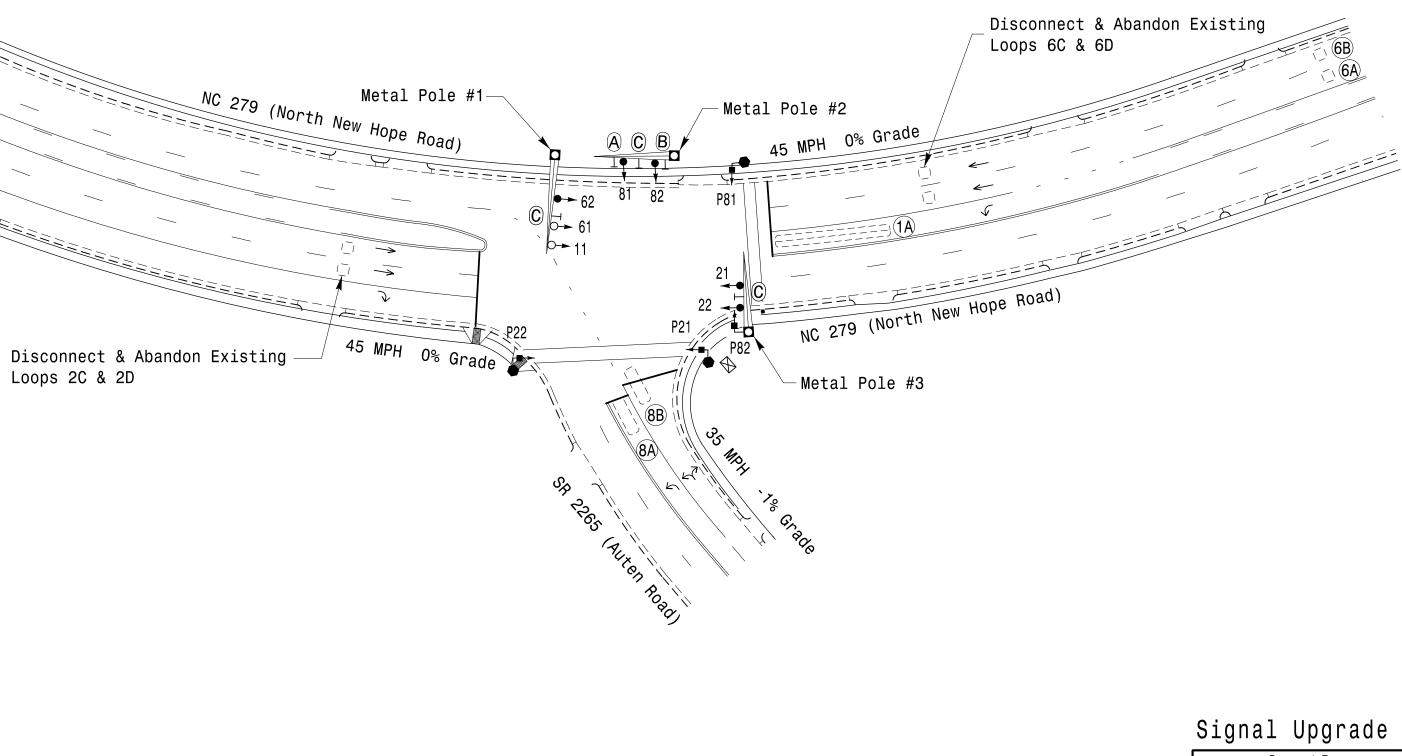
ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING					
TABLE OF OPERATION					
	PHASE				
SIGNAL FACE	Ø 1 + 6	Ø2+6	Ø 8	FLANT	
11	•	≺R	≺R	- ¥-	
21	R	G	R	Y	
22	R	G	R	Y	
61, 62	G	G	R	Y	
81, 82	R	R	G	R	
P21, P22	DW	W	DW	DRK	
P81, P82	DW	DW	W	DRK	

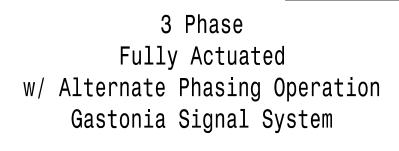
DETECTOR INSTALLATION CHART												
DETECTOR PROGR				PROGRA	AMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	ТҮРЕ	SYSTEM LOOP	NEW CARD
۲ ۸	CV CO	O	0 1 0		1	Yes	-	10*	-	Ν	-	Х
1 A	6X60	0	2 4 2		6.#	Yes	-	3	-	G	-	Х
2 A	6X6	300	EXIST	-	2	Yes	-	-	Х	Ν	_	Х
2 B	6X6	300	EXIST	-	2	Yes	-	-	Х	Ν	-	Х
6 A	6X6	300	EXIST	-	6	Yes	-	-	Х	Ν	-	Х
6 B	6X6	300	EXIST	-	6	Yes	-	-	Х	N	-	Х
8 A	6X20	0	EXIST	-	8	Yes	-	3	-	N	_	X
8 B	6X20	+ 5	EXIST	-	8	Yes	_	5	-	N	_	Х

* Disable Delay during Alternate Phasing operation. # Disable Phase call for loop during Alternate Phasing operation.





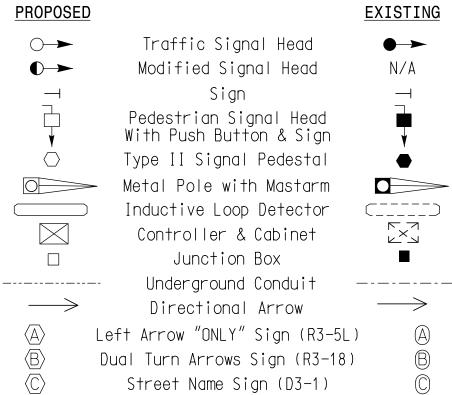
PROJECT REFERENCE NO.	SHEET NO.
C-5703	Sig.59.0



NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 may be lagged.
- 4. Reposition existing signal head numbered 62.
- 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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 8. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 10. Pavement markings are existing.
- 11. The City Engineer or their representative will determine the hours of use for each phasing plan.
- 12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 13. Disconnect and abandon existing loops 2C, 2D, 6C, & 6D.
- 14. Install new cabinet on the existing cabinet foundation.
- 15. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- 16. Reconnect lead-in cable to separate loops 2A, 2B, 6A, & 6B, as shown.
- 17. Do NOT install backplates on Metal Pole #1.
- 18. Existing phase 4 has been changed to phase 8 on this plan. Change all signal heads, pedestrian signal heads, pedestrian push buttons, and loops as needed to achieve the phasing shown.
- 19. City system data:
 - Controller Asset #0173.





]na]	L Upgrade		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
Prepared For:		NC 279 (North New Hope Road) at SR 2265 (Auten Road)	SEAL 044434		
S	A OF TRAMERAL	Division 12 Gaston County Gastonia	ENGINE ER		
° 70	Design Sect	PLAN DATE: May 2021 REVIEWED BY: SL Phillips	P. BAUNIN		
Greenfie	eld Pkwy,Garner,NC 27529	PREPARED BY: EE Dogbe REVIEWED BY: KP Baumann			
	SCALE	REVISIONS INIT. DATE	DocuSigned by:		
	0 50		Ken Dana 3/11/2022		
			DATE DATE		
	1 "=50'		SIG. INVENTORY NO. 12-0173		