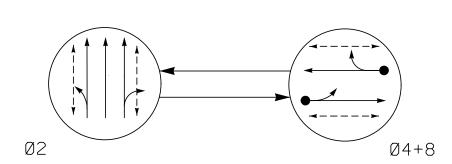
## PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

PEDESTRIAN MOVEMENT

TABLE OF OPERATION PHASE SIGNAL FACE 21, 22, 23 41, 42 81, 82 P21, P22, P23, P24 P41, P42 P81, P82

\_\_\_\_

INSTALL WITHOUT -

INSTALL WITH -

PUSH BUTTON

PUSH BUTTON

Χ

## SIGNAL FACE I.D. All Heads L.E.D.

R	12"	16
G	1 2	16

21, 22, 23	P21,P22
41, 42	P23,P24
81, 82	P41,P42
	P81,P82

W. Second Avenue

,------

-1% Grade

- INSTALL WITHOUT

PUSH BUTTON

INSTALL WITH

PUSH BUTTON

25 MPH

25 MPH

41-

42

W. Second Avenue

+2% Grade

PLANS PREPARED IN THE OFFICE OF:

NC License #F-0102

Raleigh, NC 27601

(919) 677-2000

Kimley » Horn

421 Fayetteville Street, Suite 600

DETECTOR INSTALLATION CHART												
DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
4A	6X40	0	2-4-2	-	4	Yes	-	_	-	N	-	X
8A	6X40	0	2-4-2	-	8	Yes	. 1	1	_	N	ı	X

## 2 Phase Semi-Actuated Gastonia Signal System

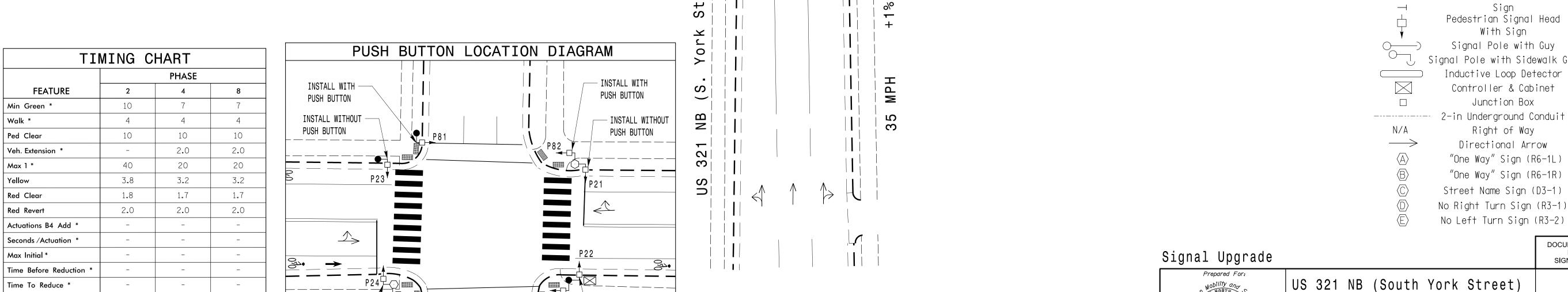
## **NOTES**

- 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. Set all detector units to presence mode.
- 4. Install new cabinet on a new cabinet foundation.
- 5. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 11. Rewire all intersection equipment to new cabinet.
- 12. See Pedestrian Push Button Location Diagram for additional details
- 13. All proposed pedestrian signal heads and pedestals shall be black in color. See Project Special Provisions for details.
- 14. City system data:

Controller Asset: #0073

<u>PROPOSED</u>

\_\_\_\_

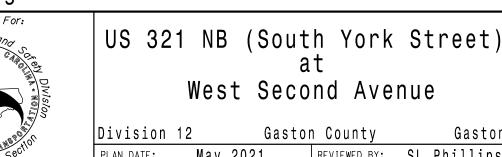


LEGEND

Traffic Signal Head  $\bigcirc$ Modified Signal Head N/A Pedestrian Signal Head With Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way Directional Arrow "One Way" Sign (R6-1L) "One Way" Sign (R6-1R) Street Name Sign (D3-1) No Right Turn Sign (R3-1)

> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

<u>EXISTING</u>



1"=20'

Gastonia REVIEWED BY: SL Phillips May 2021 REVIEWED BY: KP Baumann 750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: DM Curri

3/11/2022 5DGZPQA86BGB44Z... DATE 12-0073 SIG. INVENTORY NO.

044434

Minimum Gap

Locking Detector

should not be lower than 4 seconds.

**Recall Position** 

Dual Entry

PED/MAX

These values may be field adjusted. Do not adjust Min Green and Extension

times for phase 2 lower than what is shown. Min Green for all other phase