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PROJECT REFERENCE NO.	SHEET NO.
50943.3.3	SIG. 2

3 Phase  
Fully Actuated  
Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated July 2024 and "Standard Specifications for Roads and Structures" dated July 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through all red display.
- 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.
- This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Install new 2070 LX controller in existing signal cabinet.

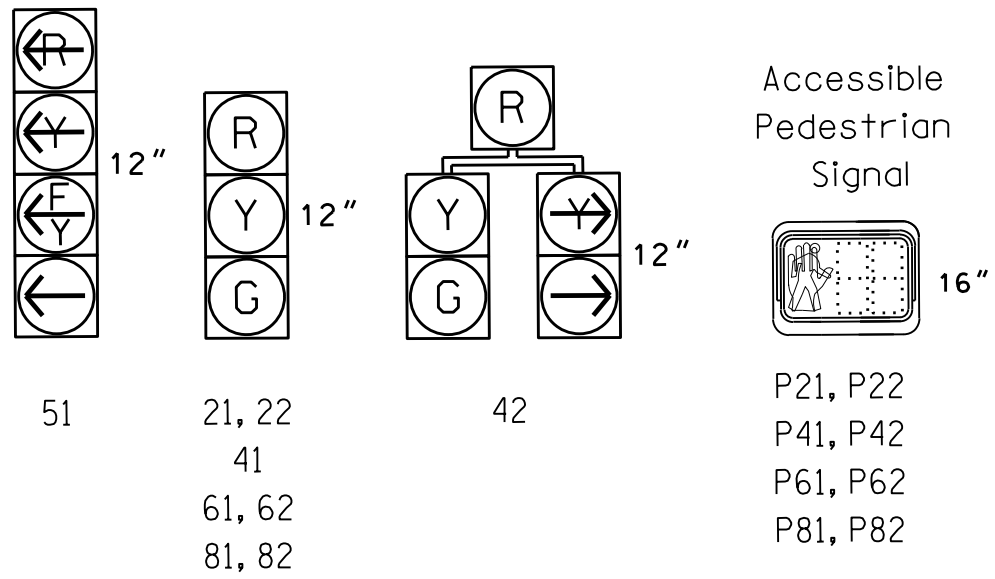
ACCESSIBLE PEDESTRIAN SIGNAL OPERATION				
SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P21	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Rector.
P22	-	X	Walk	(Persussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Rector.
P41	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main.
P42	-	X	Walk	(Percussive)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main
P61	-	X	Walk	(Percussive)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Everett.
P62	-	X	Walk	(Percussive)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Everett.
P81	-	X	Walk	(Percussive)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main.
P82	-	X	Walk	(Percussive)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main.

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD
2A	*	70	*	*	2	-	-	X	-	X	-
4A	*	0	*	*	4	3.0	-	X	-	X	-
5A	*	0	*	*	5	15.0	-	X	-	X	-
					2	-	-	X	-	X	X
5B	*	0	*	*	5	15.0	-	X	-	X	-
6A	*	70	*	*	6	-	-	X	-	X	-
6B	*	0	*	*	6	-	-	X	-	X	-
8A	*	0	*	*	8	10.0	-	X	-	X	-

\* Multi -Zone Microwave Detection

SIGNAL FACE I.D.

All Heads L.E.D.



LEGEND

PROPOSED	EXISTING

Signal Upgrade (Sheet 2 of 2)

Prepared in the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529	US 19 (Main Street) at SR 1364 (Everett Street)/ Rector Street Division 14 Swain County Bryson City PLAN DATE: October 2025 REVIEWED BY: R.N. Zinser PREPARED BY: Adja Fall REVIEWED BY: REVISIONS INIT. DATE SCALE 0 20 1" = 20'	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043914 BY CHARD N. ZINSER DocuSigned by: R. Nicholas Zinser 10/23/2025 F1388973472248F DATE SIG. INVENTORY NO. 14-0402
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