

Semi-Actuated Rectangular Rapid Flashing Beacon (RRFB) Cornelius Signal System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018, and all applicable sections of the latest version of the generic Project Special Provisions.
2. Align the front face of the pedestrian push button assembly parallel with the crosswalk.
3. The distance to the pushbutton from the edge of the sidewalk should be no greater than 1'-6".
4. The lump sum item for RRFB (Rectangular Rapid Flashing Beacon) shall include but not limited to the foundations, pedestals, signs, push buttons, flashing beacons, solar panel, battery, controller assembly, and all incidentals related to the installation of the RRFB.

ERECT RRFB ON TYPE II PEDESTAL (STD. DWG. 1743.02) WITH SIGNS

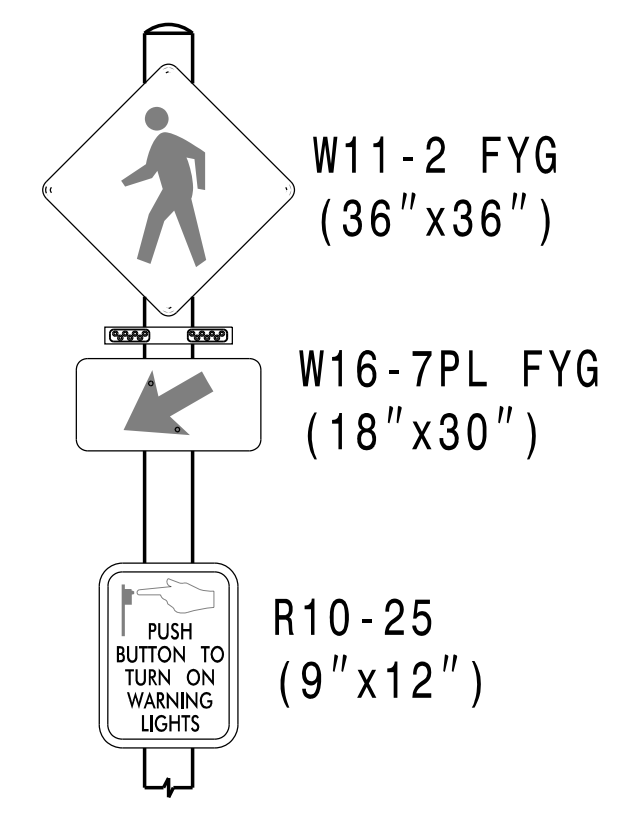


FIGURE 1 - SIGN B

ERECT RRFB ON TYPE II PEDESTAL (STD. DWG. 1743.02) WITH SIGNS

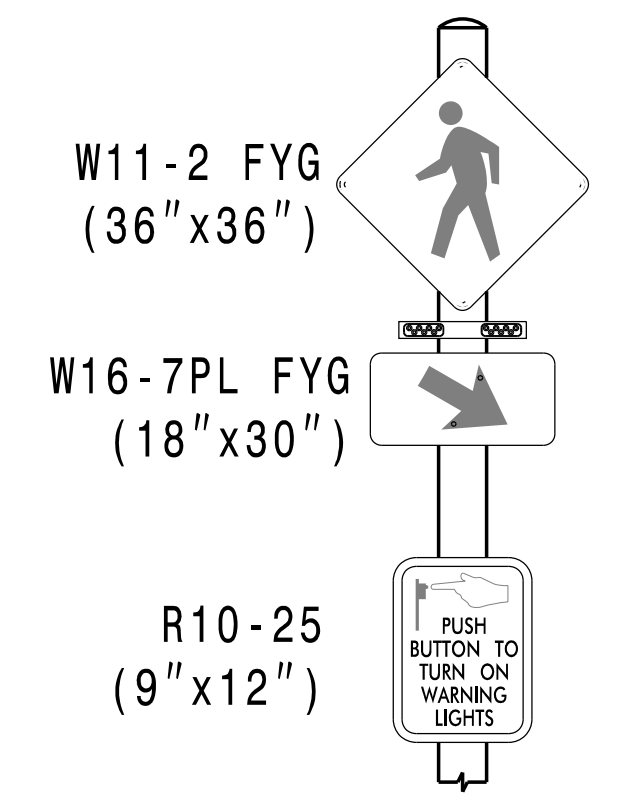
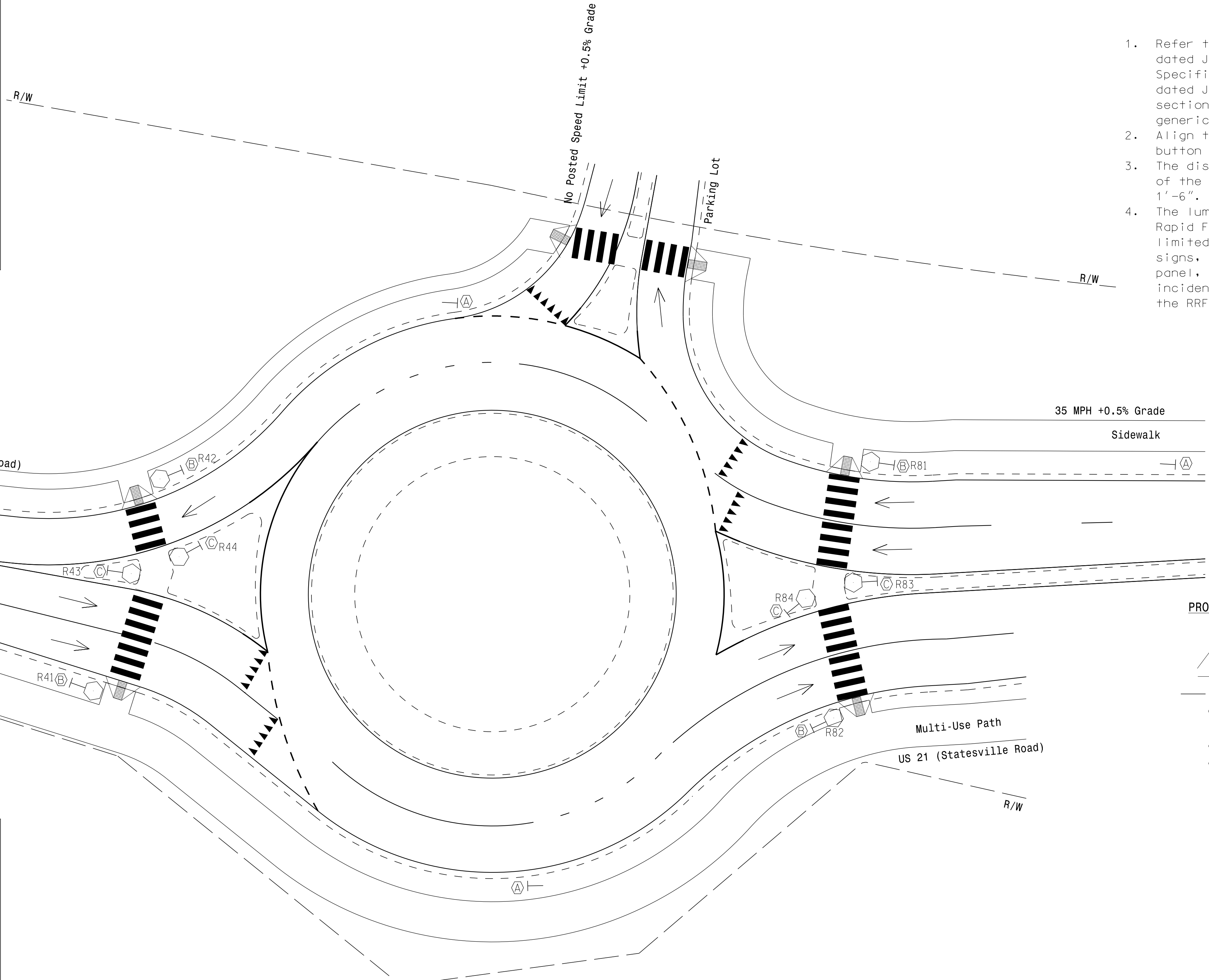


FIGURE 2 - SIGN C



LEGEND

PROPOSED	EXISTING
Sign	Sign
Type II Signal Pedestal	Type II Signal Pedestal
Curb Ramp	Curb Ramp
Directional Arrow	Directional Arrow
Right of Way	Right of Way
(A) Pedestrian Warning Sign (W11-2) w/ "AHEAD" Plaque (W16-9P)	(A) Pedestrian Warning Sign (W11-2) w/ "AHEAD" Plaque (W16-9P)
(B) RRFB w/ Left Arrow (See Fig. 1)	(B) RRFB w/ Left Arrow (See Fig. 1)
(C) RRFB w/ Right Arrow (See Fig. 2)	(C) RRFB w/ Right Arrow (See Fig. 2)

TIMING CHART				
FEATURE	RRFB GROUP	RRFB GROUP	RRFB GROUP	RRFB GROUP
	R41/43	R42/44	R82/84	R81/83
RRFB Flash Time	19	13	19	19

Notes:  
1. These values may be field adjusted. Do not adjust RRFB Flash times lower than what is shown.

This plan supersedes the signal plan signed and sealed by S. Nick Matthews, PE on 05/31/2022.



Pedestrian Crossings

US 21 (Statesville Road) at Parking Lot Entrance

Division 10 Mecklenburg County Cornelius

PLAN DATE: February 2023 REVIEWED BY: S.G. Haynie

PREPARED BY: S.N. Matthews REVIEWED BY:

REVISIONS INIT. DATE

SCALE: 1"=20'

Seal: S. NICK MATTHEWS, PE, License No. 046989, State of North Carolina

DATE: 2/21/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 11: 11:07:27