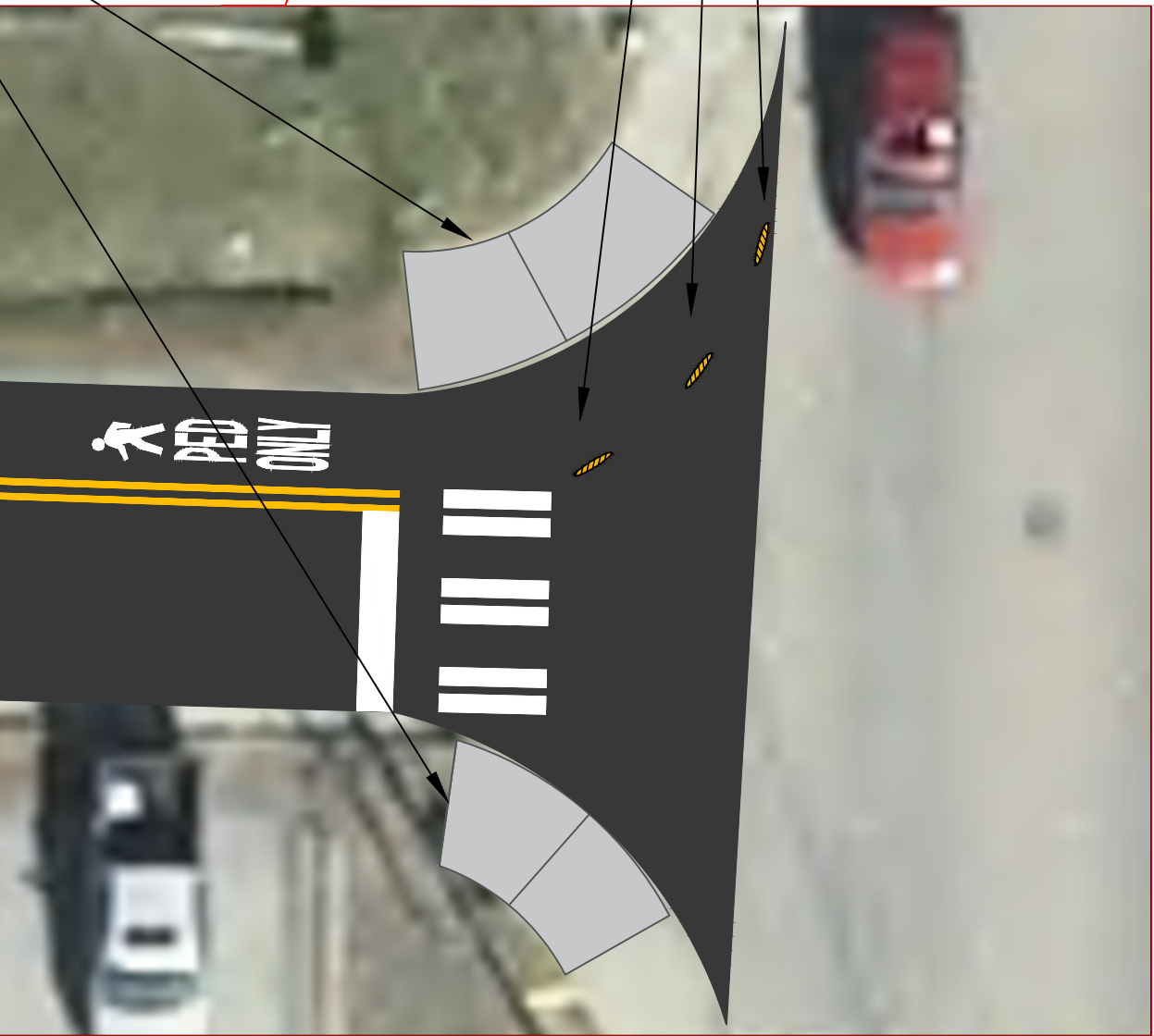
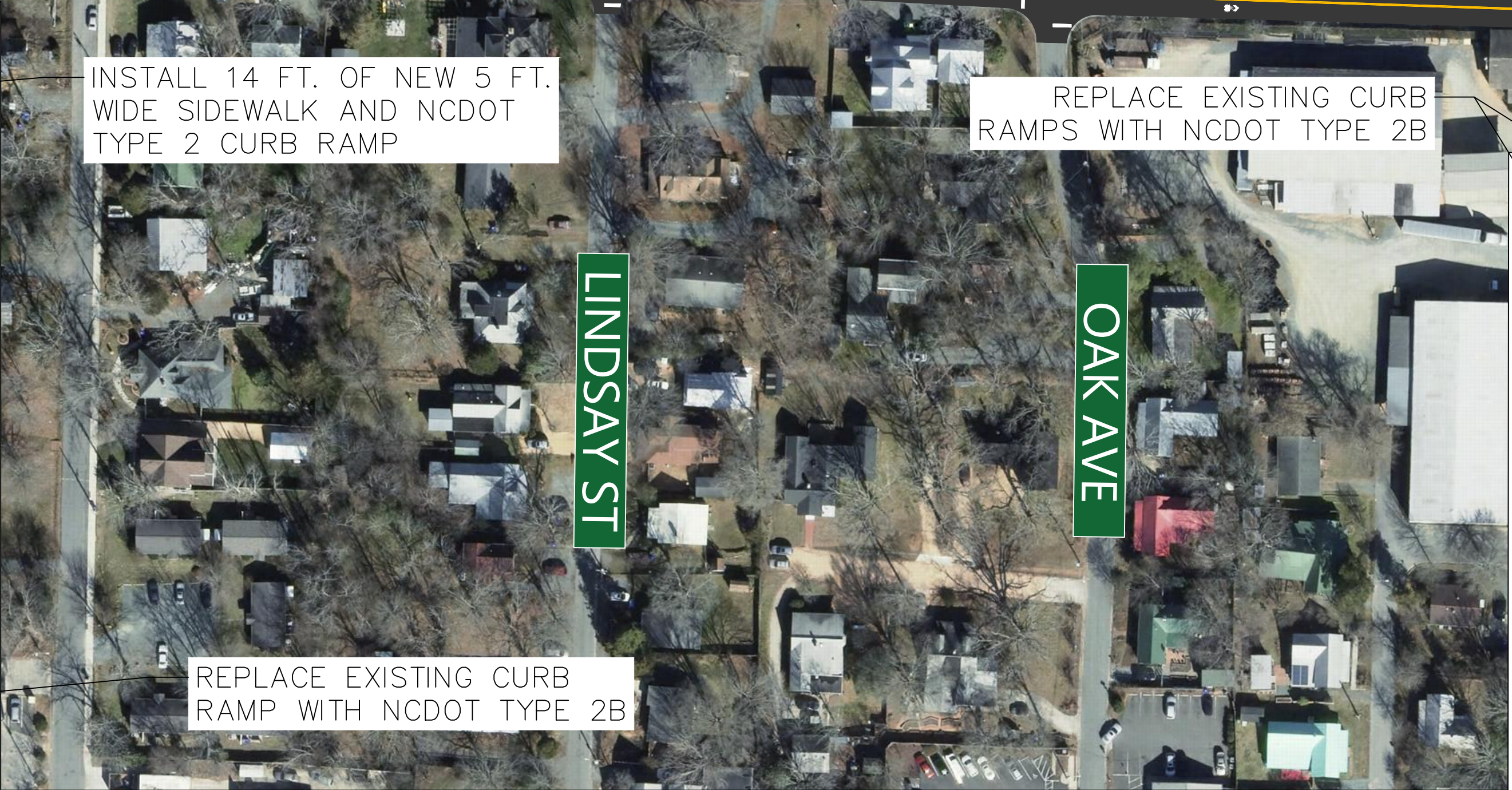


SCALE: 1" = 10'



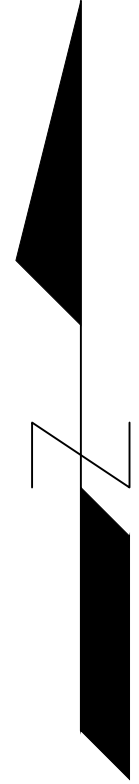
SCALE: 1" = 10'

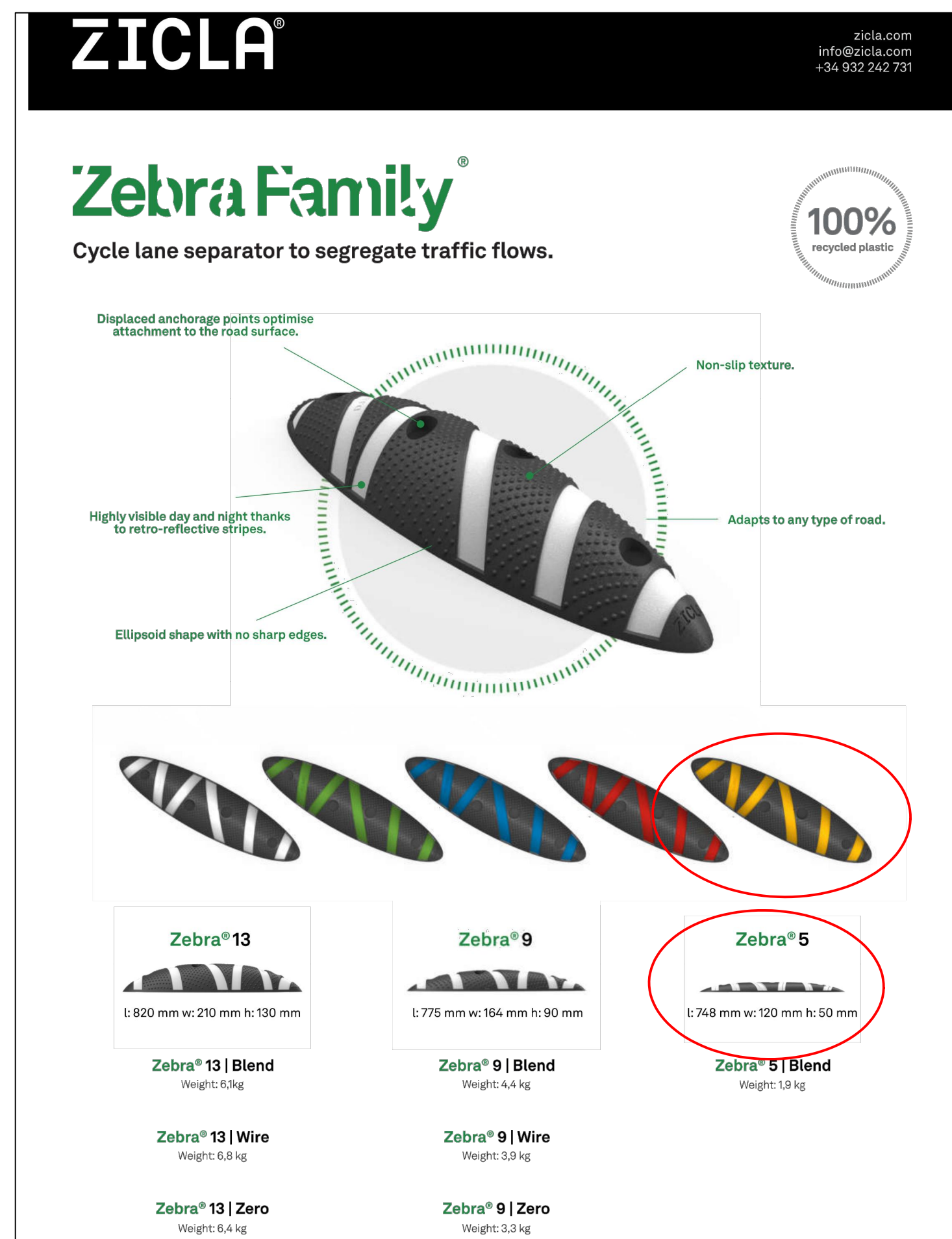
PROPOSED STRIPING PLAN

CARRBORO - E POPLAR AVE

SCALE: 1" = 75'

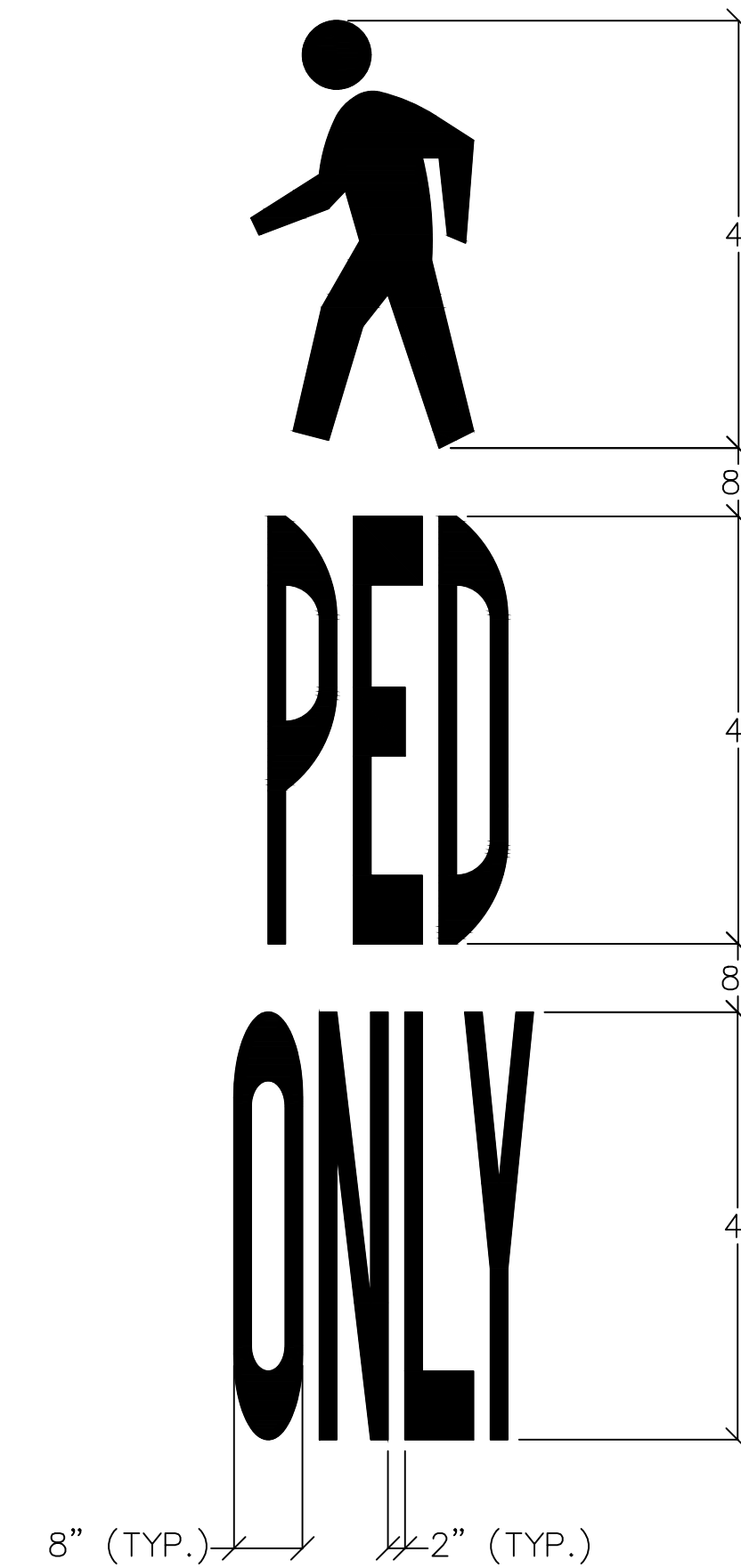
NOTE: STREET NOT AVAILABLE FOR RESURFACING UNTIL SEPTEMBER 1, 2025, AFTER COMPLETION OF OWASA PIPE REPLACEMENT PROJECT





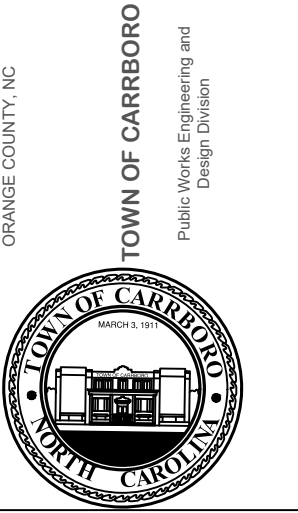
ZEBRA® 5 CYCLE LANE SEPARATORS

SCALE: NTS



PEDESTRIAN LANE MARKINGS

SCALE: 1" = 20'



SEAL

EAST POPLAR PEDESTRIAN LANE

DETAILS

TOWN OF CARRBORO
Public Works Department
Engineering Division
100 Public Works Drive
Carrboro, NC 27510
(919) 918-7436

[illegible]

Scale:	Page:
NTS	
Date:	
4/22/2025	

7. Installation process

- P-45 Anchor system
- P-46 Mechanical anchors
- P-47 Chemical anchors

7.1. Anchor system

Proper installation of ZEBRA separators is essential for guaranteeing durability and fulfilment of the element's function, so it is therefore important to select the proper anchors and resin for installation.

A series of mechanical criteria must be considered before selecting the proper anchor. Separation elements must withstand the impact and friction of vehicles. As the separators are anchored to the pavement, load weight is transferred to the ground through these bolts, making it essential for both the fasteners and the road surface to be able to absorb these strains.

ZICLA's experience, after having installed more than 50,000 ZEBRA cycle lane separator elements between 2008 and 2014, has shown

that chemical anchors offer better results, regardless of the type of pavement or road surface and the conditions it is in. Expanding metal anchor bolts, on the other hand, are only suitable for concrete surfaces.

Plastic mechanical anchors offered poor results in nearly all instances.

Anchor technology has reached a sufficient point of development to provide a solution to any anchoring need under any conditions. Anchor bolts are available in a wide variety of models and prices.

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