

PBOT

PORTLAND BUREAU OF TRANSPORTATION

1120 SW Fifth Avenue, Suite 800 Portland, OR 97204 503.823.5185

Fax 503.823.7576 TTY 503.823.6868 www.portlandoregon.gov/transportation

Chloe Eudaly Commissioner **Chris Warner** Interim Director

CITY TRAFFIC ENGINEER DIRECTIVE

Number	Supersedes	Effective Date	Cancellation Date
LW 001-1	LW 001	10/17/2019	
Subject	Issuer		
Vertical Delineators on Stormwater Curb Extensions	Lewis Wardrip, P.E., City Traffic Engineer		

PURPOSE:

Provide guidance to BES on when and where to install vertical delineators (tubular markers) on stormwater curb extensions.

DIRECTIVE:

All new stormwater facilities constructed as curb extensions in the roadway will require vertical delineators to be installed on top of the curb adjacent to the travel lane.

Vertical delineators shall be installed in lieu of the reflective pavement markers (RPMs) that are currently installed on curb extensions. RPMs should no longer be replaced on existing curb extensions or installed on new curb extensions.

Delineators shall be 36" tall. Color shall be yellow with white reflective strips. The following table describes where vertical delineators should be placed on stormwater curb extension based on the location. Examples are attached on the following pages.

Location of Curb Extension	Locations of Delineators	Number of Delineators
Mid-Block	Beginning & End	2
Near Side of Intersection	Beginning	1
Far Side of Intersection	Beginning & End	2-3*

*Curb extensions located on the far side of intersections may require additional approval/traffic controls depending on site conditions

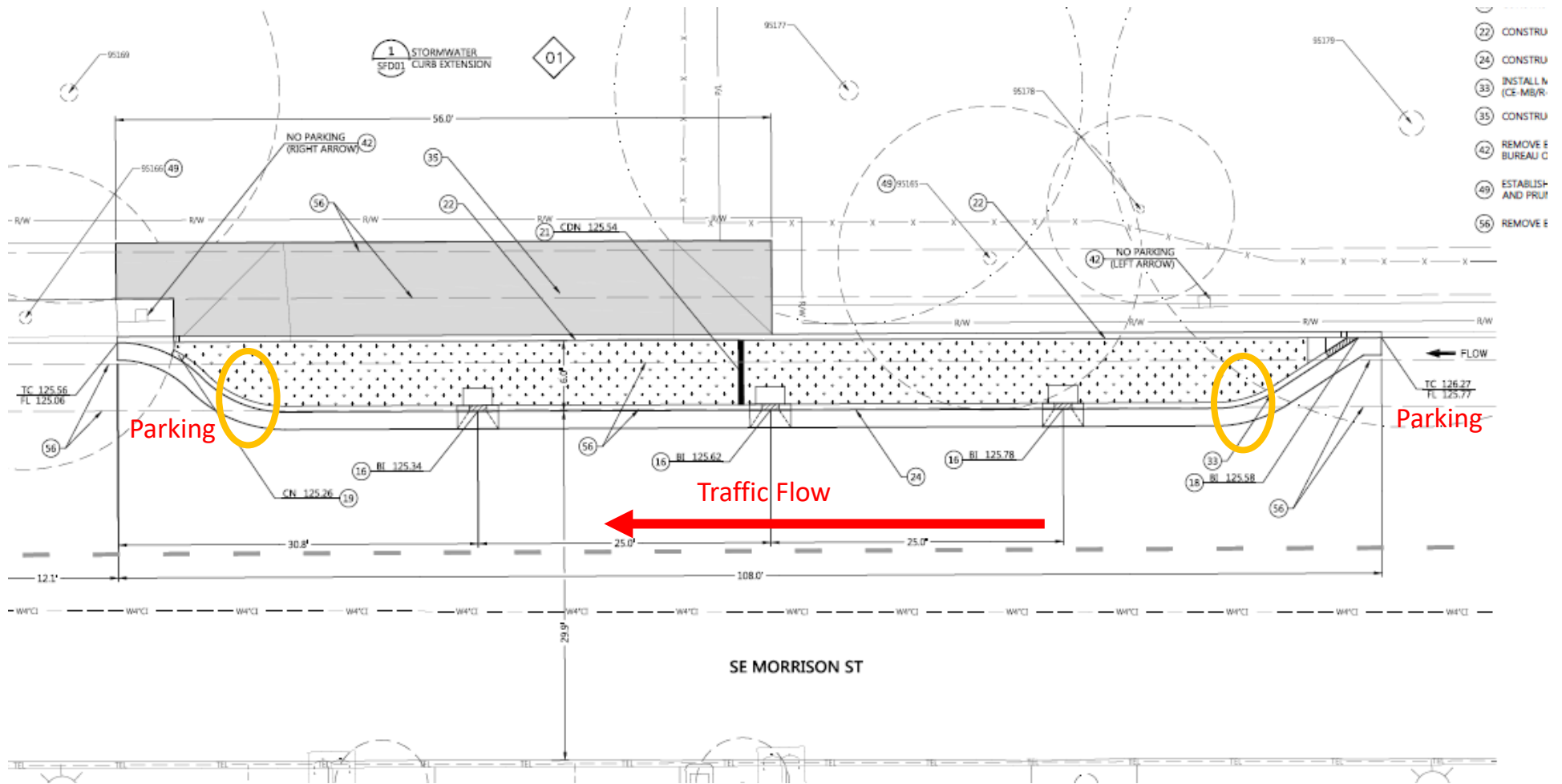
**Yellow paint on the top of curb should be used for parking removal



The Portland Bureau of Transportation fully complies with Title VI of the Civil Rights Act of 1964, the ADA Title II, and related statutes and regulations in all programs and activities. For accommodations, complaints and information, call (503) 823-5185, City TTY (503) 823-6868, or use Oregon Relay Service: 711.

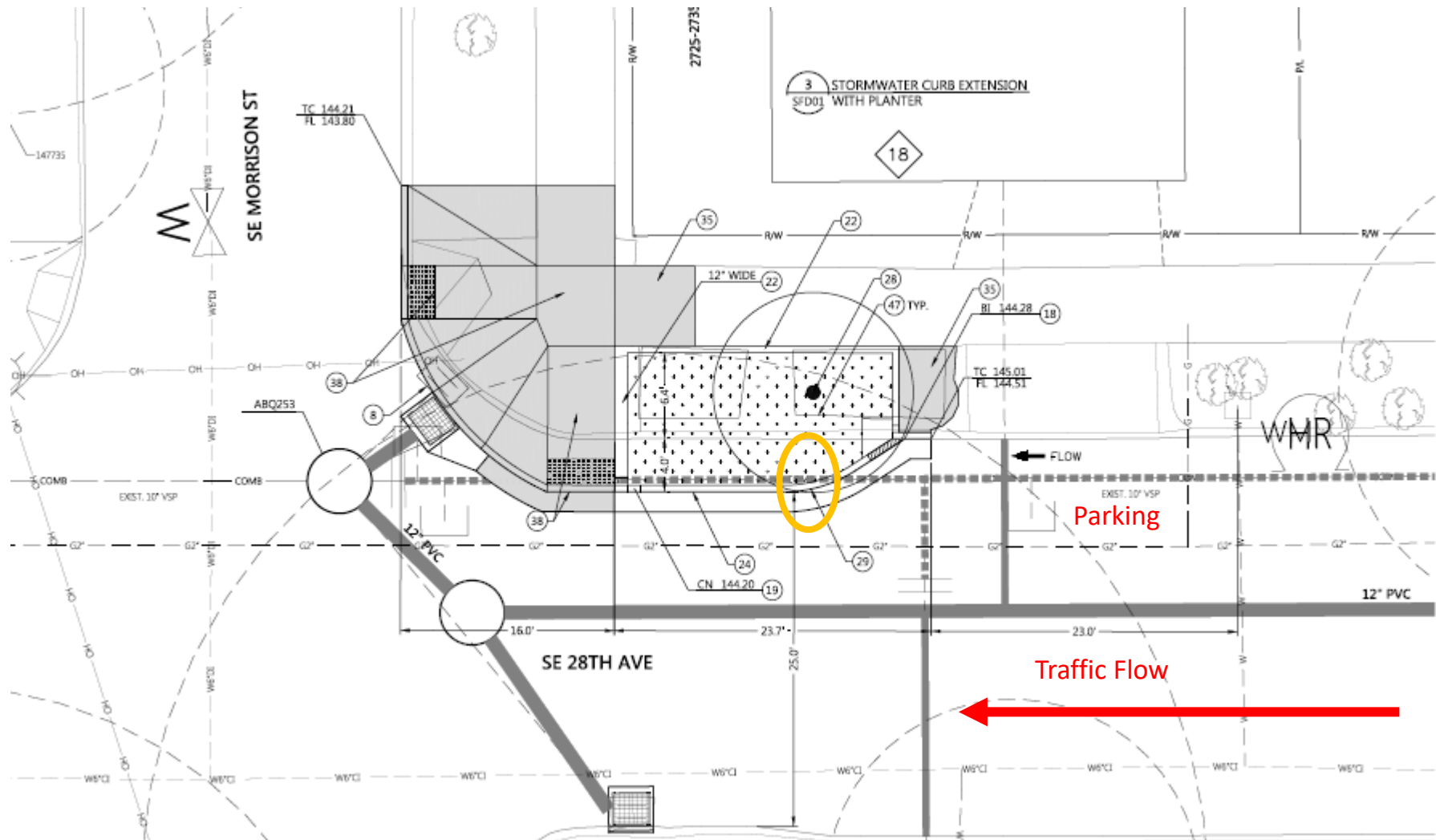
Example 1: Mid-Block Curb Extension

 = Typical Delineator Location



Example 2: Near Side of Intersection Curb Extension

 = Typical Delineator Location



Example 3: Far Side of Intersection Curb Extension

 = Typical Delineator Location

