


PBOT

PORTLAND BUREAU OF TRANSPORTATION

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CITY TRAFFIC ENGINEER DIRECTIVE

Number	Supersedes	Effective Date	Cancellation Date
LW 001	New	10/11/2018	
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 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.

BES to establish a plan for installing vertical delineators on all existing stormwater curb extensions over the course of the next 5 years, with a priority on facilities along snow plow routes.

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.

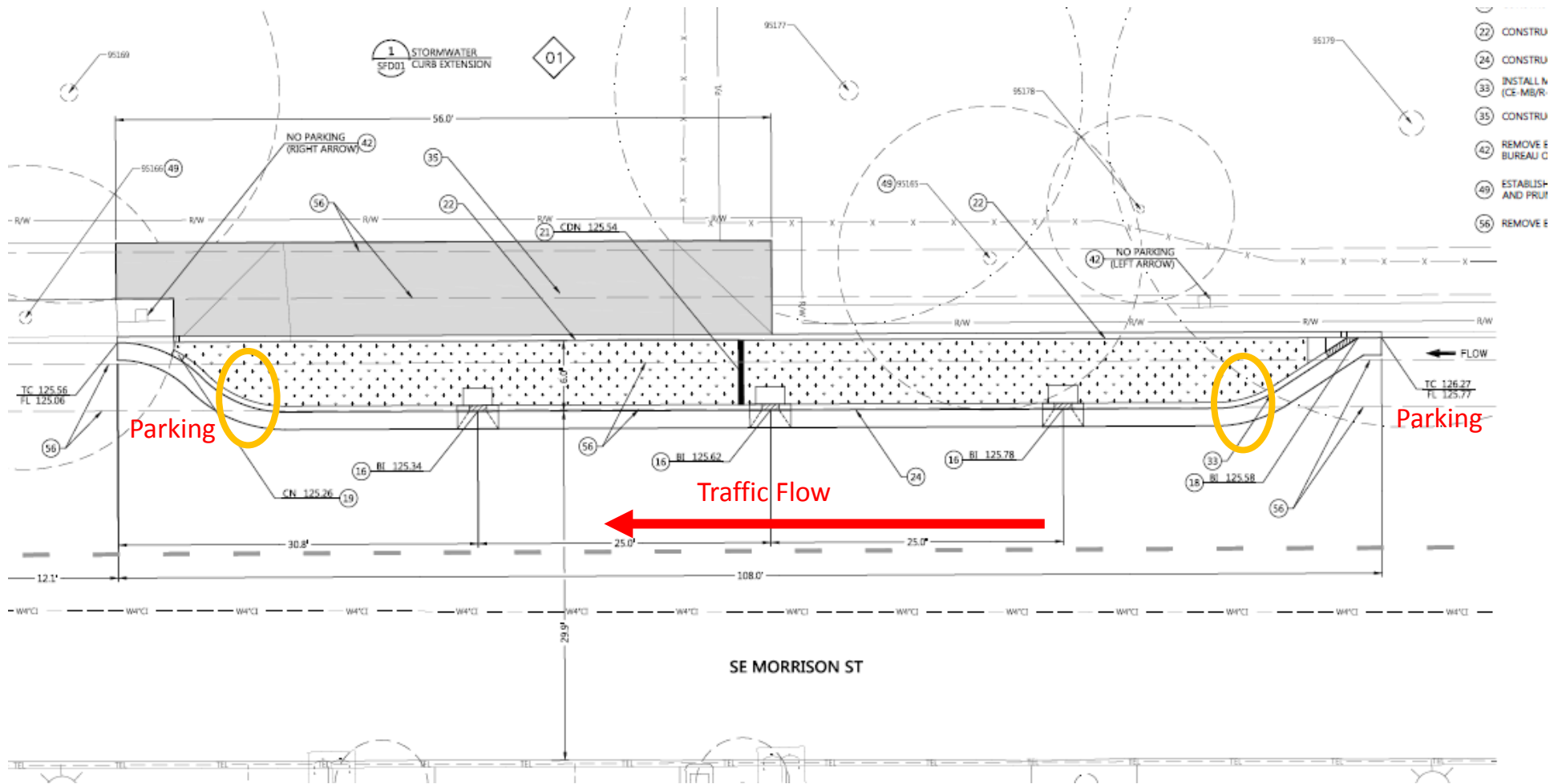
Location of Curb Extension	Locations of Delineators	Number of Delineators
Mid-Block	Beginning & End	2
Near Side of Intersection	Beginning	1
Far Side of Intersection	Beginning & End	2-3*

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



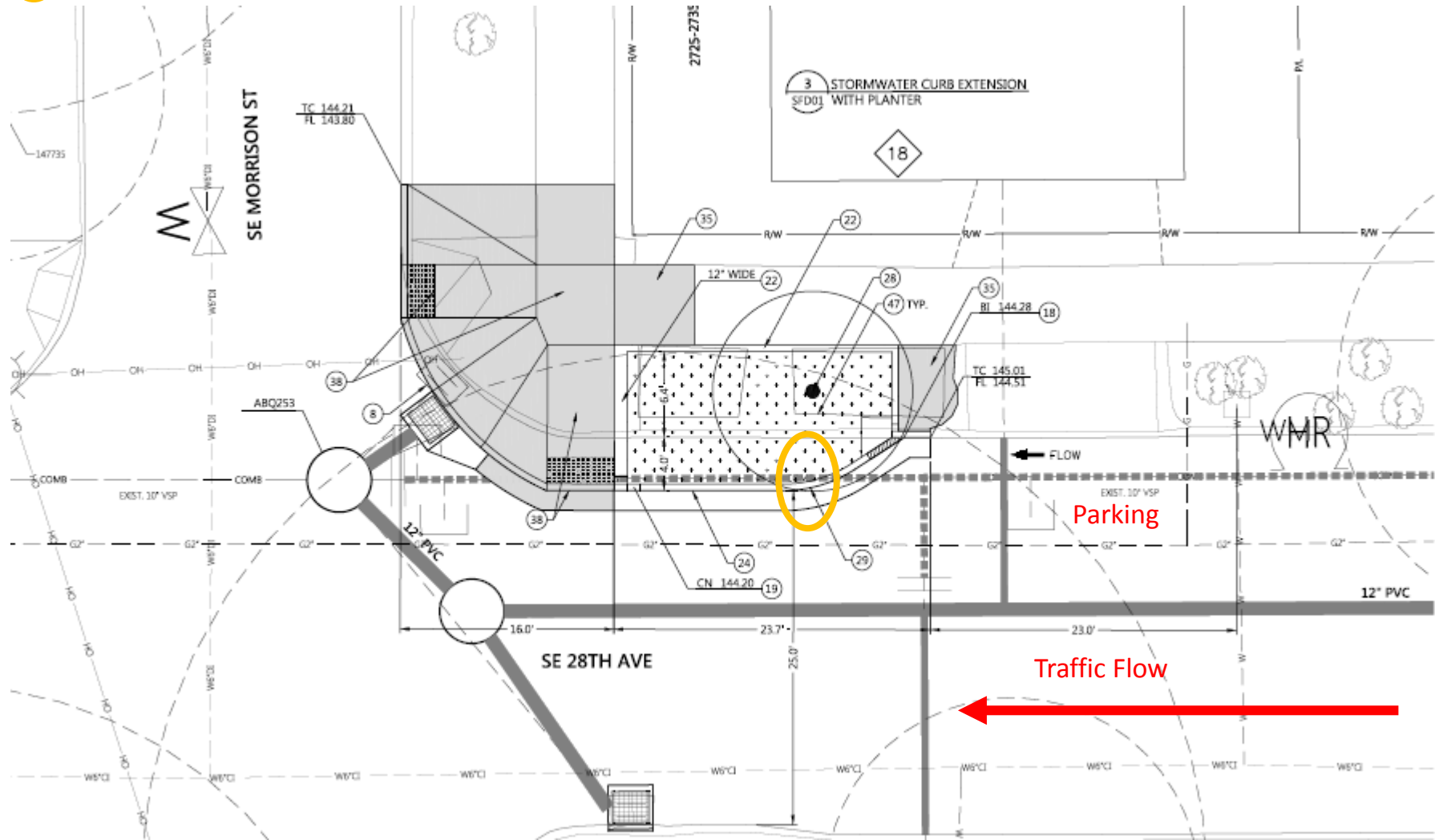
Example 1: Mid-Block Curb Extension

 = 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

