



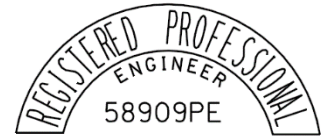
# Standard Drawing Report

**Date:** August 9, 2023

**Technical Owner:** Traffic - Jennifer Ruth Tower, P.E.

**Standard Drawing No.** P-400      **Calculation Book No.** n/a

**Drawing Title:** Sign Placement



Expires 6/30/24

**Original Report Date:** December 1, 2017

## Background Information, Including Reference Material:

The MUTCD Section 2A provides general rules and recommendations regarding sign placement.

The first version of standard drawing P-400 was created in 2008 and included sign support details. The sign support details have since been moved to standard drawings P-405 and P-406.

## Assumption Made:

Standard Drawing P-400 addresses the physical location and orientation of signs with respect to roadway geometry, and the arrangement of signs when multiple signs are located on one post. The types and sizes of the signs, posts, and footings will be shown on project specific plan sheets.

## Design Narrative:

Standard drawing P-400 requires a 12-inch lateral offset from the face of curb to all post mounted signs. A 12-inch lateral offset for signs from the face of curb maximizes the amount of sidewalk area that is clear of obstructions for pedestrians on City streets. MUTCD Section 2A.19 recommends a lateral offset of at least six feet from the edge of a shoulder, or 12 feet from the edge of a traveled way. However, Section 2A.19 also states, "A lateral offset of at least 1 foot from the face of the curb may be used in business, commercial or residential areas where sidewalk width is limited or where existing pole are close to the curb."

Standard drawing P-400 requires a minimum 7-foot mounting height for sign assemblies in areas where pedestrians could walk, and an 8-foot mounting height above bike routes. MUTCD Section 2A.18 specifies that the minimum height of "...signs installed at the side of the road in business, commercial, or residential areas where parking or pedestrian movements are likely to occur, or where the view of the sign might be

obstructed, shall be 7 feet.” MUTCD Section 9B.01 specifies that “...no portion of a sign or its support shall be placed...less than 8 feet vertically over the entire width of the shared-use path.” It is intended to apply to overhead signs installed above shared-use paths. This standard drawing also applies that requirement to ground-mounted signs that extend over any facility used by bicyclists.

For ground-mounted street name signs a minimum mounting height of 9.5 feet up to a maximum of 11 feet is required to minimize vandalism and to standardize their mounting height whether mounted alone or above a stop sign.

For 12” wide signs such as parking sign, the sign can be mounted lower than the standard 7-foot minimum mounting height when mounted in combination with other signs. If the parking signs are mounted alone on a post the standard 7-foot mounting height applies.

Standard drawing P-400 also shows typical parking sign placement adjacent to a curb extension identifying where parking is allowed and prohibited and identifies a parking sign orientation of 45 degrees to traffic flow.

**The following is a list of the revisions that were made for the September 9, 2022 drawing:**

- 1) Added note clarifying that street name signs may be offset in the bracket to achieve the minimum 12” curb offset