



INFORMATION BULLETIN

# IB-021

Eff: 01-01-2008 Rev: 06-22-2023

## Wind Design Parameters

The purpose of this Information Bulletin is to assist design professionals in understanding and meeting the general wind design requirements of the 2022 California Building Code (CBC), Section 1609, and ASCE 7-16, Chapters 26-31, for buildings and structures located in the City of Long Beach. There are no special wind regions as described in CBC Section 1609 or ASCE 7-16, Section 26.5.2, to consider in the City of Long Beach. All buildings and structures, including components and cladding systems, shall be based on the wind design parameters as specified in the Code and as clarified in this Information Bulletin.

For the purposes of determining basic wind design parameters (i.e., basic wind speed, surface roughness, and exposure category) for buildings and structures in the City of Long Beach, the applicable wind design parameters will depend on whether the location of the site is within close proximity to the Pacific Ocean shoreline. The areas that are to be considered **within** close proximity of the Pacific Ocean shoreline shall be defined as follows: all areas located south of Ocean Boulevard, excluding the areas bounded by Ocean Boulevard, Shoreline Street, Shoreline Drive and Alamitos Avenue, and including all areas east of 54<sup>th</sup> Place located on both side of Ocean Boulevard. Refer to the “Wind Design Exposure Map” on page 2 for additional information.

The basic wind design parameters for all buildings and structures **not within** the proximity of the Pacific Ocean shoreline shall be as follows:



Basic Wind Speed,  $V_{ult}$ : **95 mph**  
Surface Roughness: **B**  
Exposure Category: **B**

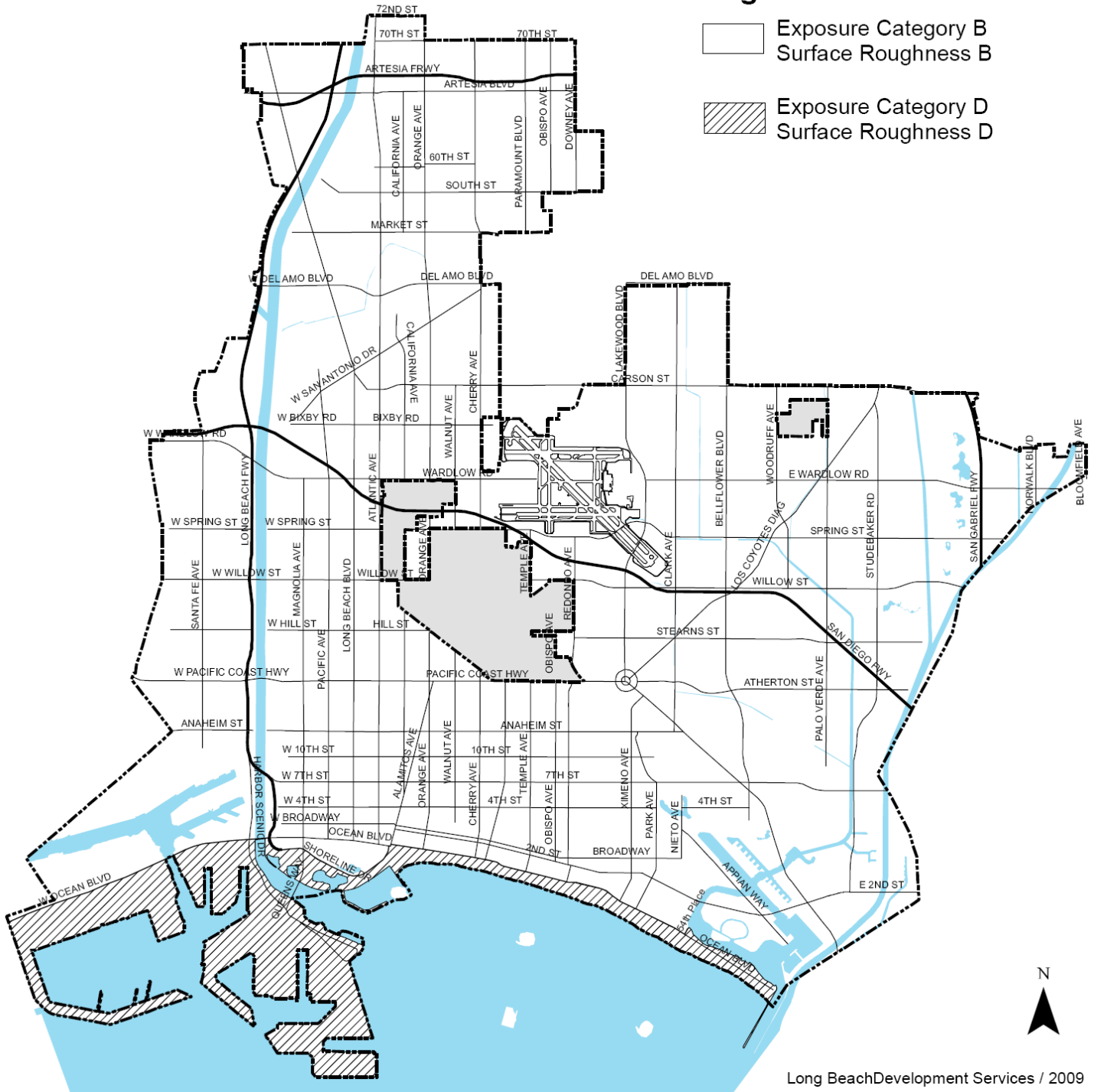
Unless a registered design professional (i.e., licensed architect or engineer) can justify a lower wind design requirement, the basic wind design parameters for all areas located **within** the proximity of the Pacific Ocean shoreline shall be as follows:

Basic Wind Speed,  $V_{ult}$ : **95 mph**  
Surface Roughness: **D**  
Exposure Category: **D**

# WIND DESIGN EXPOSURE MAP

## Legend

-  Exposure Category B  
Surface Roughness B
-  Exposure Category D  
Surface Roughness D



Long BeachDevelopment Services / 2009

To request this information in an alternative format or to request a reasonable accommodation, please contact the Community Development Department at [longbeach.gov/lbcd](http://longbeach.gov/lbcd) and 562.570.3807. A minimum of three business days is requested to ensure availability; attempts will be made to accommodate requests with shorter notice.