



ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM14	45.928	Southwest Del Amo Boulevard at Blackthorn Avenue, lead and tack in catch basin, 31.3 feet west of curb.
RM15	42.790	South Carson Street at McNab Avenue, lead and tack in portland cement concrete curb, McNab Avenue projected centerline, light standard PK 255, house #6117.
RM16	29.262	Southeast Ward w Road at Lakewood Boulevard, lead and tack in signal central box base, northwest corner, 1.0 feet east of curb, 58.0 feet south of curb.
RM17	18.228	Southwest Walton Street at San Vicente Avenue, bolt in east end of catch basin, 0.8 foot west of curb, 17.8 feet south of curb.
RM18	20.297	Northwest El Dorado Parkway at north of Willow Street, lead and tack in portland cement concrete, base of light standard, 230 feet north of Willow Street centerline, west end of cut-de-sac, 240 feet west of golf course from south edge entrance gate.
RM19	36.759	Northwest 15th Street at Ximeno Avenue, brass cap in well, 7.3 feet west of curb line, 10.6 feet north of curbline.

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies the FIRM. Users should be aware that the BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in the FIS in conjunction with the data shown on the FIRM.

Elevation Reference Marks (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geospatial Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (501) 713-2542, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map apply only landward of 0' National Geospatial Vertical Datum (NGVD). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD:

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of littoral fan flooding; velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS*

- Identified 1983
- Identified 1990
- Otherwise Protected Areas

*Coastal barrier areas are normally located within or adjacent to special flood hazard areas.

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 Base Flood Elevation Line, Elevation in Feet*
 (EL 987) Cross Section Line
 Base Flood Elevation in Feet Where Uniform Within Zone*

RM 7x Elevation Reference Mark
 •M1.5 River Mile

*Referenced to the National Geospatial Vertical Datum of 1929.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway determinations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Tables where floodway width is shown at 1200 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For adjoining panels, see separately printed Map Index.

MAP REPOSITORY
 Department of Public Works 333 W. Ocean Boulevard Long Beach, California 90802 (Maps available for reference only, not for distribution.)

INITIAL IDENTIFICATION:
 JULY 26, 1974

FLOOD HAZARD BOUNDARY MAP REVISION:
 JULY 11, 1978

FLOOD INSURANCE RATE MAP EFFECTIVE:
 SEPTEMBER 15, 1983

FLOOD INSURANCE RATE MAP REVISIONS:

Map revised July 6, 1998 to add base flood elevations, to add special flood hazard areas, to change zone designations, to update map format, and to reflect updated topographic information.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6623.

APPROXIMATE SCALE IN FEET
 1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

CITY OF LONG BEACH, CALIFORNIA
 LOS ANGELES COUNTY

PANEL 15 OF 35
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
 060136 0015 C

REVISED TO REFLECT LOMR
 MAP REVISED: JULY 6, 1998
 DATED JAN 1 1 2002

Federal Emergency Management Agency

JOINS PANEL 0010
 JOINS PANEL 0025
 JOINS PANEL 0025