

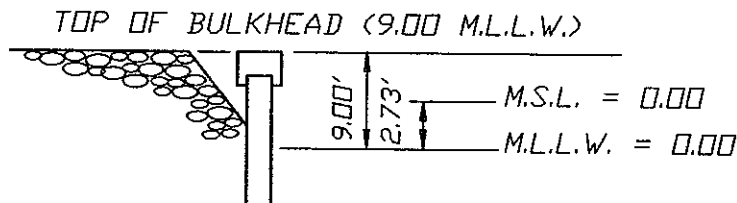
	CITY ⁽¹⁾ AND ORANGE CO. M.S.L. DATUM	HYDROGRAPHIC M.L.L.W. DATUM ⁽²⁾	OLD CITY DATUM ⁽³⁾
HIGHEST TIDE (ESTIMATED)	4.8	7.5	106.6
MEAN HIGHER HIGH WATER	2.57	5.30	104.37
MEAN HIGH WATER ⁽⁴⁾		4.60	
HALF TIDE LEVEL ⁽⁵⁾		2.75	
MEAN SEA LEVEL DATUM OF 1929	0.0	2.73	102.02
MEAN LOW WATER		0.90	
MEAN LOWER LOW WATER	-2.73	0.00	99.11 ⁽³⁾
LOWEST TIDE (ESTIMATED)	-5.2	-2.5	96.6

NOTES:

1. CITY ORDINANCE NO. 994: THE SEA LEVEL DATUM OF 1929, AS ESTABLISHED BY THE UNITED STATES COAST AND GEODETIC SURVEY, IS HEREBY ESTABLISHED AS THE OFFICIAL DATUM PLANE OF THE CITY FOR THE PURPOSE OF DETERMINING THE GRADES AND ELEVATIONS OF STREETS AND SEWERS AND FOR ANY PUBLIC WORKS WITHIN THE CITY, AND FOR MEASURING ALL OTHER GRADES, ELEVATIONS, OR SURFACE POINTS IN THE CITY, EXCEPT THAT HARBOR WORK, DREDGING, AND HARBOR STRUCTURES MAY BE REFERENCED TO MEAN LOWER LOW WATER, AS ESTABLISHED BY THE UNITED STATES COAST AND GEODETIC SURVEY IN AND AROUND NEWPORT HARBOR. (ORD. 994, 1962; 1949 CODE AND 7150).
2. BASED ON U.S.C. AND G.S. TIDAL READINGS AT BALBOA OCEAN PIER.
3. BASED ON CITY ORDINANCE NOS. 623 AND 114 (THE CONVERSION FACTOR OF 99.11 HAS BEEN IN GENERAL USE FOR A NUMBER OF YEARS AND IS ASSUMED TO BE CORRECT).
4. ALSO REFERRED TO AS ORDINARY HIGH TIDE.
5. ALSO REFERRED TO AS MEAN TIDE LEVEL.

EXAMPLE:

GIVEN: ELEVATION 9.00 M.L.L.W. AT TOP OF BULKHEAD.
FIND: M.S.L. ELEVATION



$$\begin{aligned}
 \text{M.L.L.W.} &= 9.00 \\
 &\quad -2.73 \\
 \hline
 \text{M.S.L.} &= 6.27
 \end{aligned}$$

REV. 7/2002 MW
REV. 9/93

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Date: 11 JULY 1994

Scale: N.T.S.

Drawn by: M.GRACIA

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DATUM PLANES

DRAWING NO.

STD-115-L