~CITIES~	UNITED STATES GEOLOGICAL SURVEY DATUM PLANE OF REFERENCE USED.		DATUM PLANE OF REFERENCE IS ABOVE OR BELOW U.S.G.S. DATUM.		TO CONVERT BENCH MARK ELEVATIONS BASED ON EXISTING DATUM TO U.S.G.S.		~REMARKS~
			ABOVE	BELOW	ADD	DEDUCT.	
ALHAMBRA	YES						U.S.G.S. datum adopted by ordinance Nº 1541. (D:88-151)
ARCADIA		NO	5.72 F.T.		5.72 F.T.		
AVALON		NO					Datum Plane is 2.61 Ft. below U.S.C.&G.S. "mean tide level" at Avalon, Santa Catalina Island. (D:88-155)
AZUSA		NO					City of Azusa datum established by Ordinance Nº 89. (E:4-48)
BELL							No datum plane has been established by ordinance.
BEVERLY HILLS	YES						U.S.G.S. datum not adopted by ordinance, but in use.
BURBANK	YES						U.S.G.S. datum in use since 1930.
CLAREMONT							
COMPTON	YES						U.S.G.S. datum in use since Jan. 1927, and before.
COVINA	YES						
CULVER CITY	YES						U.S.G.S. datum in use for several years.
EL MONTE		NO	5.71 F.T.		5.71 F.T.		
EL SEGUNDO		NO	6.15 F.T.		6.15 F.T.		
GARDENA	YES						
GLENDALE	YES						U.S.G.S. datum adopted by Ordinance Nº 1435. (D:88-151)
GLENDORA	YES						
HAWTHORNE							
HERMOSA BEACH		NO					
HUNTINGTON PARK		NO	5.55 F.T.		5.55 F.T.		Same datum plane as City of Vernon.
INGLEWOOD	YES						City of Inglewood datum established by Ordinance Nº 1326
LA VERNE							
LONG BEACH ~See Miscellaneous notes below.*	YES						U.S.G.S. datum adopted about 1928.
LOS ANGELES~ " " " "	YES						City of Los Angeles datum established by Ordinance Nº 52,222.
LYNWOOD	YES						
MANHATTAN BEACH	YES						
MAYWOOD	YES						
MONROVIA		NO		12.75 F.T.		12.75 F.T.	
MONTEBELLO		NO					City of Montebello datum established by Ordinance Nº 62. (E:4-49)
MONTEREY PARK	YES						
PASADENA	YES						U.S.G.S. datum adopted by Ordinance Nº 2862. (D:88-152)
POMONA		NO	5.065 F.T.		5.065 F.T.		
REDONDO BEACH		NO		2.025 F.T.		2.025 F.T.	City of Redondo datum established by Ordinance Nº 317. (E:4-50)
SAN FERNANDO	YES						
SAN GABRIEL	YES						U.S.G.S. datum adopted by Ordinance Nº 274. (D:82-54)
SAN MARINO	YES						U.S.G.S. datum adopted by Ordinance Nº 210. (D:88-153)
SANTA MONICA		NO	1.40 F.T.		1.40 F.T.		
SIERRA MADRE		NO	6.19 F.T.		6.19 F.T.		
SIGNAL HILL	YES						U.S.G.S. datum not adopted by ordinance, but in use.
SOUTH GATE	YES						U.S.G.S. datum adopted by ordinance Nº 372 - Nov. 14th 1938. (E:30-76)
SOUTH PASADENA	YES						U.S.G.S. datum in use since 1926.
TORRANCE	YES						
TUJUNGA	YES						
VERNON		NO	5.55 F.T.		5.55 F.T.		Same datum plane as City of Huntington Park.
WEST COVINA							
WHITTIER		NO	5.10 F.T.		5.10 F.T.		City of Whittier datum established by ordinance July 25, 1898.
~MISCELLANEOUS~							
CITY OF LONG BEACH~HARBOR DEPT. *		NO		2.80 F.T.		2.80 F.T.	Datum for harbor work is:~"lower low water."
CITY OF LOS ANGELES~OWENS RIVER AQUEDUCT DATUM. *		NO	2.19 to 2.38 F.T.		2.19 to 2.38 F.T.		Use difference of 2.19 Ft. for all points north of township line between T.5N. & T.6N. Use difference of 2.38 Ft. for San Fernando Valley.
CITY OF LOS ANGELES~HARBOR DEPT. *		NO		2.80 F.T.		2.80 F.T.	Datum for harbor work is:~"lower low water."
COUNTY OF LOS ANGELES~ALL ENGINEERING DEPARTMENTS.	YES						
STATE OF CALIFORNIA~DEPT. OF PUBLIC WORKS, DIVISION OF HIGHWAYS.	YES						
UNITED STATES COAST & GEODETIC HYDROGRAPHIC SURVEYS.		NO		2.80 F.T.		2.80 F.T.	Datum for hydrographic surveys is:~"lower low water."
UNITED STATES COAST & GEODETIC LAND SURVEYS.	YES						Datum for land surveys is:~"mean sea level" or U.S.G.S.
UNITED STATES GEOLOGICAL SURVEY.	DATUM PLANE OF REFERENCE.						"Mean sea level."
ATCHISON TOPEKA & SANTA FE RAILWAY CO.	YES						
LOS ANGELES RAILWAY CORPORATION.		NO	5.775 F.T.		5.775 F.T.		L.A.Ry.Corp. uses city of Los Angeles datum last in use prior to July 1st 1925.
PACIFIC ELECTRIC RAILWAY COMPANY.		NO	5.71 F.T.		5.71 F.T.		Exception: U.S.G.S. datum used on all work in which County is interested, especially where approval of County authorities is sought.
SOUTHERN PACIFIC RAILROAD COMPANY.		NO		2.493 F.T.		2.493 F.T.	
UNION PACIFIC SYSTEM~LOS ANGELES & SALT LAKE RAILROAD COMPANY.							Various datums used. Relative differences not yet known.
SOUTHERN CALIFORNIA EDISON COMPANY.	YES						

~DATUM PLANES~
LOS ANGELES HARBOR
(OBSERVATIONS 1924 TO 1931 INCL.)

HIGHEST TIDE OBSERVED	7.60
HIGHER HIGH WATER	5.42
MEAN HIGH WATER	4.70
HALF TIDE LEVEL	2.83
MEAN SEA LEVEL	2.80
MEAN LOW WATER	0.95
LOWER LOW WATER	0.00
LOWEST TIDE OBSERVED	~1.90

NOTES:~

"MEAN SEA LEVEL" IS THE DATUM PLANE OF REFERENCE FOR THE PRECISE LEVEL NET AND ALL LAND SURVEYS OF THE UNITED STATES GEOLOGICAL SURVEY AND THE UNITED STATES COAST AND GEODETIC SURVEY.

"LOWER LOW WATER" IS THE DATUM PLANE OF REFERENCE FOR THE HYDROGRAPHIC WORK PERFORMED BY THE UNITED STATES COAST AND GEODETIC SURVEY ON THE PACIFIC COAST.

"MEAN HIGH WATER" IS ACCEPTED AS BEING COINCIDENT WITH "ORDINARY HIGH TIDE" AS USED IN THE CALIFORNIA CODES. THIS IS THE BOUNDARY LINE OF PRIVATE OWNERSHIP ALONG THE COAST. SEE S.C.C. Nº 82508~ THE STRAND IMPROVEMENT COMPANY VS. CITY OF LONG BEACH. SEE ALSO S.C.C. Nº. 86772~CITY OF LOS ANGELES VS. S.P.L.A. & SALT LAKE RAILROAD COMPANY.

FROM THE ABOVE INFORMATION OBTAINED FROM A SERIES OF OBSERVATIONS CARRIED ON OVER A PERIOD OF SEVEN YEARS ~ (1924 TO 1931 INCLUSIVE) AT THE U.S.C.& G.S. TIDE STATION AT MUNICIPAL PIER Nº 1 AT THE LOS ANGELES HARBOR, THE ELEVATION OF "MEAN HIGH WATER" IS 1.90~ U.S.G.S. DATUM (4.70-2.80).

~ REVISIONS ~

South Gate-Nov. 14, 1938.
Inglewood - July 27, 1936

TABLE SHOWING

DATUM PLANES

USED IN

LOS ANGELES COUNTY, CALIFORNIA

COUNTY SURVEYORS MAP Nº B-922.

WORK ORDER Nº 105

J.E. ROCKHOLD ~ COUNTY SURVEYOR

COMPILED 1930~1933.

COMPILED BY THE COUNTY SURVEYOR FROM INFORMATION FURNISHED BY VARIOUS CITIES, BUREAUS, AGENCIES, AND CORPORATIONS OPERATING IN LOS ANGELES COUNTY.

OFFICE WORK BY J.H. SMITH. R.W. McALLISTER

CHECKED BY . . . A.A. ROESER.

CSB-922
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