

Nassau County  
Bench Marks  
Department of Public Works  
Highways & General Engineering  
NASSAU COUNTY BENCH MARKS  
Introduction

Bench marks listed in this book have been established by the topographic Section of the Department of Public Works.

**PROCEDURE:**

Prior to 1932, all spirit level work throughout the County was done by using an arbitrary datum, differing according to locality and the engineer doing the work.

Cognizant of the need for a uniform datum, the County Engineer, in 1932 caused to be established a County-wide system of Vertical Control; one result of this project was the publication of the first edition of the "County of Nassau Bench Marks" book in 1934.

**DATUM:**

The datum plane used on this project is based on mean sea level at Sandy Hook, New Jersey, as determined by the United States Coast and Geodetic Survey by observations and records of tidal gauges over a period of years. Mean sea level is the average height of the sea, all stages of the tide being considered.

As there were several of the United States Coast and Geodetic Survey bench marks located throughout the County, the "County Vertical Control" network was expanded from these.

**BENCH MARK IDENTIFICATION:**

The County Standard bench mark monument set prior to 1949 is a concrete truncated pyramid being four feet deep with an eighteen inch base and an eight inch square top. A bronze cylindrical plug three quarters of an inch in diameter and one and three quarters of an inch long is inserted to a depth to allow protrusion approximately one eighth of an inch above the top of the concrete. The elevation given is the top of this plug.

All monuments set since 1949 have a disc similar in size and shape to the United States Coast and Geodetic survey bronze disc. Its face stamped as follows: Department of Public Works, Nassau County, Bench Mark, Elev...FT....; \$250 fine for disturbing this mark. The elevation given is at the top center of the disc. Other primary bench marks have been established on solid structures such as catch basins, head walls, etc., a cut in the concrete defines the point of elevation.

**ACCURACY OF ELEVATIONS:**

All elevations in this book are to the nearest thousandths of a foot above the County datum.

All leveling was held well within the specifications of the first order leveling of the Board of Surveys and maps of the Federal Government. The allowable error of closure under the specifications mentioned above is 0.017 feet per circuit mile. The actual average error of closure in Nassau County was 0.0097 feet per circuit mile based on the original network of 435 linear miles.

The allowable error as established by Nassau County for all circuits was governed by the following formula: Four ten thousandths times the square root of the distance in feet. (0.0004 distance in feet)

**CHANGE IN BENCH MARKS:**

Although a bench mark may appear to be quite permanent in character, the elevation may have been changed due to settling or other uncontrollable circumstances. Engineers are therefore cautioned to tie in with two or more bench marks whenever possible.

A report sent to the Topographic Section of the Department of Public Works on any change in elevation or destruction of bench marks noted, or suggestions for needed changes in descriptions, etc., will be appreciated in connection with keeping the records up to date.

**PENAL LAW:**

Section 1433 of the Penal Law provides that any person who unlawfully and willfully disturbs any of these bench marks is liable to a \$250 fine or imprisonment for doing so.

**LOCATING A BENCH MARK:**

For convenience, the bench marks have been grouped, according to geographical position, into 51 boards, each board encompasses an area of the County and is identified by a number as shown on the County Vertical Control Map (rear cover). Each bench mark is identified by a letter and number.

The nearest bench mark to any area can be found by following this procedure:

1. Refer to the Village Index, page A-3, to determine the board number applicable to the locality.
2. Refer to the Vertical Control Map of the board to obtain the reference number of the desired bench marks.
3. Find the reference number of the desired bench mark within the listing of bench marks for the particular board.

**SUMMARY:**

The wide use of the data contained therein, changes in bench mark information and frequent requests for up to date information have led to the publishing of this 1984 edition of the "Nassau County Bench Marks" book, superseding all previous publications.

NASSAU COUNTY BENCH MARKS  
VILLAGE INDEX

Bench Marks in the following Villages and localities of Nassau County will be found in the Boards as indicated:

LOCALITY	BOARD	LOCALITY	BOARD
Albertson	18,24	Glenwood Landing	12
Amityville	39	*Great Neck	16,17
Atlantic Beach	46,47	*Great Neck Estates	16
Baldwin	36,42	*Great Neck Plaza	16
Baldwin Harbor	42	Greenvale	12
*Baxter Estates	11	*Hempstead	30,36
*Bayville	2,3	Hempstead Plains	25,31,32
Bethpage	26	Herricks	23
Bellmore	37,38	Hewlett	41
*Bellerose	28,29	*Hewlett Bay Park	41
*Brookville	13,19	*Hewlett Harbor	41
Carle Place	24	*Hewlett Neck	41
*Cedarhurst	40,41	Hicksville	20,25,26
*Center Island	3,7,8	Inwood	40,46
Central Park (Bethpage)	26	*Island Park	42,47,48
Cold Spring Harbor	8,9	Jericho	19
*Cove Neck	3,8	Jerusalem	32
*East Hills	18	*Kensington	16,17
East Meadow	31	*Kings Point	10,16,17
East Norwich	13,14	*Lake Success	16,17,22,23
*East Rockaway	41	Lakeview	36
*East Williston	24	*Lattingtown	1,2,6,7
Elmont	29,35	*Laurel Hollow	8
*Farmingdale	27,33	*Lawrence	40,41,46,47
*Floral Park	29	Lido	48
*Floral Hill	17	Little Neck	16,22
Franklin Square	29	Locust Grove	20
*Garden City	23,24,29,30	Long Beach, City of	47,48
Garden City Park	29	*Lynbrook	36,41
Glen Cove, City of	6	*Rockville Centre	36,42
Glen Head	12	*Roslyn	17,18
*Malverne	35,36	*Roslyn Estates	17
Manhasset	17	*Roslyn Harbor	12,18
*Manor Haven	10,11	Roslyn Heights	18
Massapequa	38,39	Roosevelt	36,37
*Massapequa Park	33,39	*Russell Gardens	16,17
*Matinecock	6,7,13	*Saddle Rock	16
Merrick	37,43	*Sands Point	4,5,10,11
*Mill Neck	2,7	*Sea Cliff	6,12
*Mineola	23,24	Seaford	38
*Munsey Park	17	*South Floral Park	29
Munson	29	South Hempstead	36
*Muttontown	13,14	*Stewart Manor	29
New Castle	25	Syosset	14
*New Hyde Park	23,29	*Thomaston	16,17
*North Hills	17,23	Uniondale	30,31
Oceanside	36,42	*Upper Brookville	7,13
*Old Brookville	12,13	*Valley Stream	34,35,41
*Old Westbury	18,19,24,25	Washington Terrace Park	21
Oyster Bay	7,8	*Westbury	24,25
*Oyster Bay Cove	8,14	West Hempstead	30
Plainedge	32	Wheatley Hills	13,19
*Plandome	11	*Williston Park	24
*Plandome Heights	11	Woodbury	14,15
*Plandome Manor	11,17	*Woodsburg	41
Plainview	20,21	Woodmere	40,41
Point Lookout	49		
Port Washington	11		
*Port Washington North	11		