

51:3-7

LEGISLATIVE HISTORY CHECKLIST

NJSA: 51:3-7 and 51:3-8

(Survey base of  
N.J.--change  
official base)

LAWS OF: 1989

CHAPTER: 218

Bill No: A21

Sponsor(s): Albohn

Date Introduced: Pre-filed

Committee: Assembly: State Government

Senate: State Government

Amended during passage: Yes Amendments during passage  
denoted by asterisks.

Date of Passage: Assembly: December 15, 1988

Senate: October 19, 1989

Date of Approval: December 29, 1989

Following statements are attached if available:

Sponsor statement: Yes

Committee Statement: Assembly: Yes

Senate: Yes

Fiscal Note: No

Veto Message: No

Message on signing: No

Following were printed:

Reports: No

Hearings: No

[SECOND REPRINT]

ASSEMBLY, No. 21

STATE OF NEW JERSEY

PRE-FILED FOR INTRODUCTION IN THE 1988 SESSION

By Assemblyman ALBOHN

1 AN ACT concerning the official survey base of the State and  
amending R.S.51:3-7 and R.S.51:3-8.

3

BE IT ENACTED *by the Senate and General Assembly of the*  
5 *State of New Jersey:*

1. R.S.51:3-7 is amended to read as follows:

7 51:3-7. The official survey base for New Jersey shall be a  
system of plane co-ordinates to be known as the New Jersey  
9 system of plane co-ordinates, said system being defined as a  
transverse Mercator projection of [Clarke's spheroid of 1866]  
11 <sup>2</sup>[G.R.S. '80] the Geodetic Reference System of 1980<sup>2</sup>, having a  
central meridian 74° [40'] 30' west from Greenwich on which  
13 meridian the scale is set at one part in [40,000] 10,000 too  
small. All co-ordinates of the system are expressed in [feet]  
15 meters, the x co-ordinate being measured easterly along the  
grid and the y co-ordinate being measured northerly along the  
17 grid, the origin of the co-ordinates being on the meridian 74°  
[40'] 30' west from Greenwich at the intersection of the  
19 parallel 38° 50' north latitude, such origin being given the  
co-ordinates x= [2,000,000 feet] 150,000 meters; y=0 [feet]  
21 meters. The precise position of said system shall be as marked  
on the ground by triangulation or traverse stations established in  
23 conformity with the standards adopted by the National Geodetic  
Survey <sup>1,1</sup> formerly the United States <sup>2</sup>[coast and geodetic  
25 survey] Coast and Geodetic Survey<sup>2</sup> for first and second-order  
work, whose geodetic positions have been rigidly adjusted on the  
27 North American <sup>2</sup>[datum] Datum<sup>2</sup> of [1927] 1983 <sup>1</sup>or the most  
recently published adjustment by the National Geodetic Survey<sup>1</sup>,  
29 and whose plane co-ordinates have been computed on the system  
defined. <sup>2</sup>The New Jersey coordinate system defined by the  
31 North American Datum of 1927 may be used concurrently with

EXPLANATION--Matter enclosed in bold-faced brackets [thus] in the  
above bill is not enacted and is intended to be omitted in the law.

Matter underlined thus is new matter.

Matter enclosed in superscript numerals has been adopted as follows:

<sup>1</sup> Assembly floor amendments adopted September 29, 1988.

<sup>2</sup> Senate SSG committee amendments adopted June 29, 1989.

1 or in lieu of the system defined by the North American Datum  
2 of 1983 for a period of 36 months after the effective date of  
3 this amendatory act, P.L. , c. .<sup>2</sup>

4 <sup>1</sup>Standard conversions from meters to feet shall be the  
5 adopted standards of the National Oceanic and Atmospheric  
6 Administration.<sup>1</sup>

7 (cf: R.S.51:3-7)

8 2. R.S.51:3-8 is amended to read as follows:

9 51:3-8. Any triangulation or traverse station established as  
10 described in section 51:3-7 of this title [may] shall be used in  
11 establishing a connection between a property survey and the  
12 above-mentioned system of rectangular coordinates.

13 (cf: R.S.51:3-8)

14 3. This act shall take effect immediately.

15

16  
17 STATE GOVERNMENT  
18 Science and Technology

19

Changes the official survey base of the State.

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ASSEMBLY, No. 21  
STATE OF NEW JERSEY

Introduced Pending Technical Review by Legislative Counsel  
PRE-FILED FOR INTRODUCTION IN THE 1988 SESSION

By Assemblyman ALBOHN

1 AN ACT concerning the official survey base of the State and  
amending sections 51:3-7 and 51:3-8 of the Revised Statutes.

3

BE IT ENACTED *by the Senate and General Assembly of the*  
5 *State of New Jersey:*

1. R. S. 51:3-7 is amended to read as follows:

7 51:3-7. The official survey base for New Jersey shall be a  
system of plane coordinates to be known as the New Jersey  
9 system of plane coordinates, said system being defined as a  
transverse Mercator projection of [Clarke's spheroid of 1866] G.  
11 R. S. '80, having a central meridian 74° [40] 30' west from  
Greenwich on which meridian the scale is set at one part in  
13 [40,000] 10,000 too small. All coordinates of the system are  
expressed in [feet] meters, the x coordinate being measured  
15 easterly along the grid and the y coordinate being measured  
northly along the grid, the origin of the coordinates being on  
17 the meridian 74° [40'] 30' west from Greenwich at the  
intersection of the parallel 38° 50' north latitude, such origin  
19 being given the coordinate x= [2,000,000 feet] 150,000 meters;  
y=0 [feet] meters. The precise position of said system shall be  
21 as marked on the ground by triangulation or traverse stations  
established in conformity with the standards adopted by the  
23 National Geodetic Survey formerly the United States coast and  
geodetic survey for first and second-order work, whose geodetic  
25 positions have been rigidly adjusted on the North American  
datum of [1927] 1983, and whose plane coordinates have been  
27 computed on the system defined.

2. R. S. 51:3-8 is amended to read as follows:

29 51:3-8. Any triangulation or traverse station established as  
described in section 51:3-7 of this title [may] shall be used in

EXPLANATION--Matter enclosed in bold-faced brackets [thus] in the  
above bill is not enacted and is intended to be omitted in the law.

Matter underlined thus is new matter.

1 establishing a connection between a property survey and the  
above mentioned system of rectangular coordinates.

3 3. This act shall take effect immediately.

5

#### STATEMENT

7

The purpose of this bill is to change the definition of the  
9 system of plane coordinates which comprise the official survey  
base for the State to a transverse mercator projection of G. R.  
11 S. '80, having a central meridian 74° 30' west from Greenwich  
on which meridian the scale is set at one part in 10,000 too  
13 small.

15

#### STATE GOVERNMENT

17

Science and Technology

19

Changes the official survey base of the State.

ASSEMBLY STATE GOVERNMENT COMMITTEE

STATEMENT TO

ASSEMBLY, No. 21

STATE OF NEW JERSEY

DATED: JULY 14, 1988

The Assembly State Government Committee reports favorably Assembly, No. 21.

This bill changes the definition of the system of plane coordinates which comprises the official survey base for the State. The plane coordinates system currently in use is a transverse Mercator projection of Clarke's spheroid of 1866, with a central meridian located  $74^{\circ} 40'$  west from Greenwich. Under the bill, the system is to be a transverse Mercator projection of G. R. S. '80, with a central meridian located  $74^{\circ} 30'$  west from Greenwich. The bill also revises the scale of the coordinate system from 1:40,000 (expressed in feet) to 1:10,000 (expressed in meters).

This bill was pre-filed for introduction in the 1988 session pending technical review. As reported, the bill includes the changes required by technical review, which has been performed.

SENATE STATE GOVERNMENT, FEDERAL  
AND INTERSTATE RELATIONS AND  
VETERANS' AFFAIRS COMMITTEE

STATEMENT TO

[FIRST REPRINT]

ASSEMBLY, No. 21

with committee amendments

STATE OF NEW JERSEY

DATED: JUNE 29, 1989

The Senate State Government, Federal and Interstate Relations and Veterans' Affairs Committee reports favorably and with committee amendments Assembly, No. 21 [1R].

This bill changes the system of plane coordinates which comprises the official survey base for the State. The plane coordinates system currently in use is a transverse Mercator projection of Clarke's spheroid of 1866, with a central meridian located 74° 40' west from Greenwich. Under the bill, the system will be a transverse Mercator projection of the Geodetic Reference System of 1980, with a central meridian located 74° 30' west from Greenwich. The bill also provides for the use of the North American Datum of 1983 or the most recently published adjustment by the National Geodetic Survey.

All coordinates of the system shall be expressed in meters rather than in feet. The bill revises the scale of the coordinate system from 1:40,000 (expressed in feet) to 1:10,000 (expressed in meters). It also provides that standard conversions from meters to feet shall be the adopted standards of the National Oceanic and Atmospheric Administration.

COMMITTEE AMENDMENTS

The committee amended the bill to correct the reference to the Geodetic Reference System of 1980 and to provide that the New Jersey coordinate system defined by the North American Datum of 1927 may be used concurrently with or in lieu of the system defined by the North American Datum of 1983 for a period of 36 months after the effective date of this act.