

REPORTS OF THE
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
STATE OF NEW JERSEY

Division of Geology and Waters
HENRY B. KÜMMEL, *State Geologist*

BULLETIN 21
(Geologic Series)

A List of Bench Marks in New Jersey

Revised to 1920

BY

LOREN P. PLUMMER, JR.

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The Board of Conservation and Development.

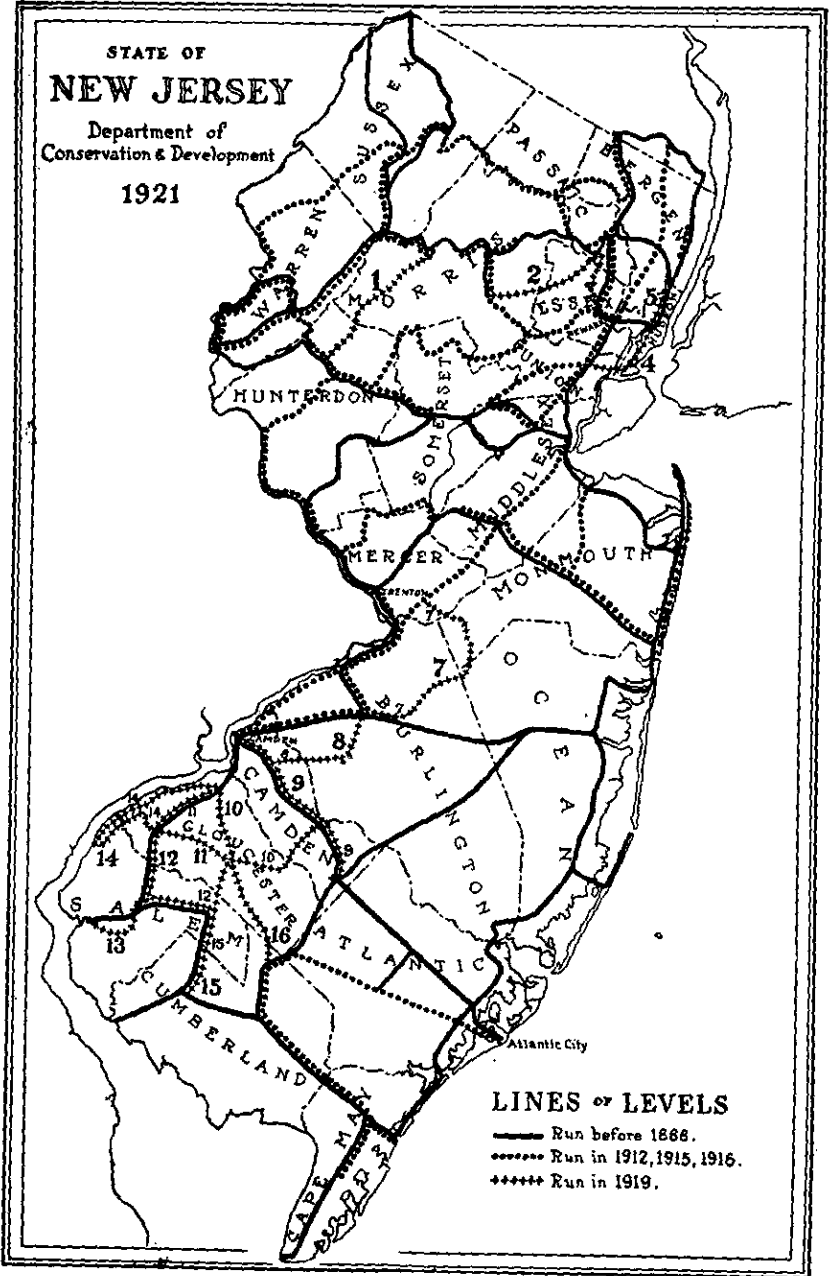
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STATE OF
NEW JERSEY

Department of
 Conservation & Development

1921



Letter of Transmittal

February 21, 1921.

Hon. Edward I. Edwards, Governor of New Jersey.

SIR,—I transmit herewith the manuscript of a report "A List of Bench Marks in New Jersey Revised to 1920," prepared under the direction of Henry B. Kümmel, State Geologist, and recommend its publication.

This report gives the results of the lines of levels which engineers connected with this Department have run at various times, and materially extends the series of established Bench Marks heretofore recorded.

The determination of the exact height above sea level of a large number of points throughout the State, particularly where located in our centers of population, is of great importance to engineers.

Yours very respectfully,

ALFRED GASKILL,

Director.

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Introduction

The work of establishing additional bench marks throughout the State for the use of engineers and others was continued during the field season of 1919. It was in immediate charge of Mr. Loren P. Plummer, Jr., who, under the direction of Mr. C. C. Vermeule, had in previous years run many of the lines described in Bulletins 17 and 19. The work was done with the same degree of accuracy as obtained in the earlier levels and as set forth in detail in these bulletins.

Mr. Plummer with a rodman was in the field during the periods,— April 1—June 28, July 7—14 and November 3—29. The lines leveled over aggregated 347 miles not including many short runs between bench marks. Seventy-four miles of the total were run in the northern counties, while 235 miles were run and 38 miles re-run in South Jersey.

In the northern part of the State the lines leveled over, the length of each line and the closure effected with bench marks that had been established in previous years are as follows:

1. From High Bridge to Wharton via Long Valley and Flanders, along the New Jersey Central Railroad—25 miles. Checked within — 0.065 feet.

2. Morristown to Montclair via Whippany, Caldwell, Great Notch, along the Morristown and Erie and the Erie Railroad respectively — 23 miles. Checked within — 0.02 feet.

3. Morristown through Great Notch (on line 2) to Little Falls — 19 miles. Checked within — 0.34 feet.

4. Jersey City (near the Pennsylvania Railroad ferries), through Bayonne to Elizabeth — 13 miles. Checked within — 0.19 feet.

5. Jersey City (Court House) along the heights to Guttenburg and return to New Durham, 8 miles. Checked at New Durham within — 0.135 feet.

6. Jersey City (near the Pennsylvania Railroad ferries) to Hoboken and return, 3 miles. Closed within + 0.03 feet.

In the southern part of the State, the lines run and the distance leveled on each line are given below. The routes are shown on the map, Plate 1.

7. Robbinsville to Mount Holly via Allentown, New Egypt, Pemberton and Birmingham, along the highway and railroad—31 miles.

8. Mount Holly to Camden via Medford and Haddonfield—24 miles.

9. Haddonfield to Winslow via Kirkwood and Atco—22 miles.

10. Atco to Camden via Williamstown, Glassboro, Woodbury and Gloucester and re-run in the reverse direction—total 66 miles.

11. Glassboro to Woodbury via Mullica Hill and Swedesboro—23 miles.

12. Glassboro to Swedesboro via Elmer, Daretown, Woodstown—26 miles.

13. Woodstown to Salem via Alloway and Quinton—14 miles.

14. Woodbury, Bridgeport, Center Square, Pennsgrove, Center Square, Swedesboro—32 miles.

15. Elmer to Bridgeton—13 miles.

16. Glassboro to Vineland—with 5 miles re-run—total 22 miles.

The initial elevation at Robbinsville was an adjusted bench mark on the Perth Amboy-Bordentown line run in 1916. This elevation was carried throughout the above routes. The result of the tests on existing benches in this section as determined from 1885 to 1888 and the distance of each from Robbinsville, is shown in the following table:

Route No.	Distance from Robbinsville Miles	Difference With 1888 B. M.
7 To Birmingham	27	-0.185
7 To Mount Holly	31	-0.30
8 To Camden	55	-0.005
9 To Winslow	71	-0.369
9 To Kirkwood	54	+0.06
10 To Camden	95	+0.03
10 To Woodbury	87	+0.36
10 To Gloucester	93	+0.42
11 To Woodbury	100	+0.15
11 To Swedesboro	90	+0.02
12 To Swedesboro	104	-0.01
12 To Daretown	90	-0.36
12 To Woodstown	97	-0.08
13 To Salem	111	-0.14
14 To Swedesboro	119	+0.13
15 To Bridgeton	99	-0.47
16 To Vineland	94	-0.57

In the upper section of the state the benches set on the new lines were adjusted to the elevations established in previous years and as published in Bulletin No. 17. Those on the routes in the above table were adjusted to the elevations as determined in the early work of the State levels, except at Woodbury, Gloucester and Daretown where slight changes were made in the elevation as originally published. At Camden, however, the adjusted elevation as determined in 1916 on the line from Bordentown through Burlington, Deacon, Mount Holly and Merchantville was used in conjunction with the original benches as a basis for the final adjustments.

The entire cost of the field work was: Salaries, \$1391; traveling expenses, \$890.26; miscellaneous, \$16.87; total, \$2298.13, an average of \$6.62 per mile. As a result of the season's operations, 583 new primary bench marks, and 325 secondary elevations were established, and 18 old bench marks recovered at an average cost of \$3.82 per primary bench mark, or \$2.48 per mark for both the primary and secondary elevations.

In accordance with custom the primary benches are indicated by crosses cut on permanent structures. The secondary points are not distinguished by a mark, but are easily identifiable points, such as rail joints, switch frogs, etc. Since these points are subject to slight changes in elevation, their heights are given only to the nearest tenth of a foot, and no distinguishing marks have been placed on them. Their elevations have, however, been as carefully determined, checked, and adjusted as those of the primary marks, and they are listed in the belief that where a high degree of accuracy is not needed, they may serve equally well, and save running levels from a more distant primary mark. The fact, however, that the elevation of most of them is subject to change must not be overlooked.

The lists published in the following pages include all the bench marks determined during 1919, as well as some established in previous years, together with many previously published in Bulletins 17 and 19. For some counties as noted in the text these lists supersede all previous lists. For other counties Bulletins 17 and 19 should also be consulted.¹

¹ See note under each county heading.

(L. S.) HENRY B. KÜMMEL,
State Geologist.

A List of Bench Marks—Revised to 1920

Datum plane is mean tide level at Sandy Hook

BERGEN COUNTY.¹

MIDLAND PARK. Eleva., 191.92 ft.
A cross 5.2 feet west of the west rail and about 1.5 feet lower, on the westerly end of northerly abutment of N. Y. S. & Western railroad bridge over a railroad about 200 yards southerly from the Susquehanna station. The mark is on the horizontal portion of the wing wall nearest the track and is near the vertical break in the wing.

RIDGEWOOD. Eleva., 138.97 ft.
A cross on the water table, 4.5 feet above the sidewalk at the north-east corner of the First National Bank located on the southwest corner of Ridgewood Avenue and Prospect Street.

RIDGEWOOD. Eleva., 135.92 ft.
A cross on the northerly end of blue stone door sill of the up-stairs entrance on Broad Street to the Wilsey building on the northeast corner of west Ridgewood Avenue and Broad Street.

SECONDARY BENCH MARKS.²

CAMP GAW. 381.8 ft.
North rail at the station.

CRYSTAL LAKE. 344.4 ft.
Rail at station.

OAKLAND. 273.6 ft.
Rail at station.

WORTENDYKE. 271.2 ft.
Rail at station.

WYCOFF. 345.5 ft.
Rail at station.

BURLINGTON COUNTY.

BEVERLY. Eleva., 35.71 ft.
A cross on the outer corner at the north end of door sill of entrance, on the west face of Beverly Presbyterian Church on Warren Street near Farnum.

BEVERLY. Eleva., 32.65 ft.
A cross on the outer edge at the northerly end of blue stone door sill of Cooper Street entrance to Mechanics National Bank. The cross is immediately below the hinge of the left door.

¹See Bulletin 17, 1916, for list of other primary bench marks in Bergen County.

²"Rail at station" means rail joint nearest center of station. "Rail at crossing" means rail joint; if there is no rail joint, the elevation is taken on the rail in the center of the roadway.

- BEVERLY.** Eleva., 36.22 ft.
A cross on the south end of door sill of the most southerly entrance on the east face of the public school, a red brick building on Laurel Street near Oak.
- BIRMINGHAM.** Eleva., 30.88 ft.
A cross on the northeast corner of the bridge seat at the north end of west abutment of railroad bridge over Rancocas Creek about 0.8 miles east of the station.
- BIRMINGHAM.** Eleva., 35.18 ft.
A cross on the northwest corner of stone on which rests the northerly support of water tower between the Camp Dix and Whittings branch of the Pennsylvania Railroad about one-half mile east of the station.
- BIRMINGHAM.** Eleva., 31.33 ft.
On the most southerly of two bolts on top of the northwest wingwall of bridge over race 100 yards north of Birmingham railroad station.
- BIRMINGHAM.** Eleva., 31.09 ft.
A cross on the northeast corner of a large stone on the north end of southeast wingwall of bridge over race 100 yards north of the railroad station.
- BORDENTOWN.** Eleva., 65.78 ft.
A cross at the foot of the stairway and at the galvanized iron newel post, on the concrete base of water tower, about one mile northeast of the Pennsylvania Railroad station, along the Camden and Amboy branch.
- BORDENTOWN.** Eleva., 46.77 ft.
A cross on the north end of the most northerly basement window sill of window on the west face of a red brick structure in the yard of the Bordentown Military Academy. The building is the most westerly one on the grounds.
- BORDENTOWN.** Eleva., 24.17 ft.
A triangle cut on coping stone at the east end of the south abutment of railroad bridge over roadway, just north of Bordentown station.
- BORDENTOWN.** Eleva., 17.00 ft.
A cross on the outer corner at the north end of northeast concrete abutment of P. R. R. bridge over stream near, and southwest of the station. The cross is on the girder seat and is 15 ft. from the girder.
- BORDENTOWN.** Eleva., 57.52 ft.
A cross on the inner corner, at the north end of brown stone door sill of the most northerly entrance, on the east face of Episcopal Church on the west side of Prince Street just north of Church Street. The door enters a wing of the building, and is back from the street.
- BORDENTOWN.** Eleva., 57.11 ft.
A cross on the outer edge at the north end of door sill of most southerly entrance, on the west face of First Baptist Church on the corner of Church and Prince Streets.
- BROWN STATION.** Eleva., 38.83 ft.
Copper bolt on the south end of west parapet of railroad culvert 0.7 miles south of the station just north of a highway crossing.
- BURLINGTON.** Eleva., 12.12 ft.
A cross on the outer edge at the east end of second granite step from bottom of the most easterly entrance, on the Broad Street face of Baptist Church, at the corner of Broad and Stacey Streets.
- BURLINGTON.** Eleva., 13.62 ft.
A cross on the base course of and on the left as you enter the Mechanics National Bank, opposite the P. R. R. station. The cross is directly under a bronze tablet reading "Mechanics National Bank."

BURLINGTON.

Eleva., 16.67 ft.

On the white sandstone water table, and 4.3 feet east of east edge of Broad Street entrance to the Post Office. The point is on the outer edge and directly below west edge of window.

BURLINGTON.

Eleva., 16.90 ft.

A cross on the outer corner at the north end of door sill of most northerly (rear) entrance on the east face of Episcopal Church on Broad Street.

COOKSTOWN.

Eleva., 79.17 ft.

On the southeast corner of concrete wall of scale pit in front of the grist mill.

COOKSTOWN.

Eleva., 80.30 ft.

A cross 2.94 feet below the parapet and immediately below the north end on the west cement walk of highway bridge over stream at the mill.

COOKSTOWN.

Eleva., 78.60 ft.

A cross on the center of the north concrete parapet of highway culvert on the New Egypt road 0.2 miles northeast of the mill.

COOKSTOWN.

Eleva., 100.33 ft.

On the southwest or outer corner of cement porch floor of dwelling on the north side of the railroad opposite the station.

CROPWELL STATION.

Eleva., 80.73 ft.

Copper bolt in a monument at the northwest corner of the railroad station.

CROPWELL STATION.

Eleva., 74.82 ft.

A cross in the center of cement cap of north stone parapet of highway culvert just south of the railroad about 0.3 miles west of the station.

DEACON.

Eleva., 61.64 ft.

A cross on the center of cement cap of east parapet of red brick arch highway bridge, over a small stream about one mile southeast of the P. R. R. station, and on the easterly side of the track.

DEACON.

Eleva., 80.45 ft.

A triangle on the water-table at southwest corner of brick school house, on east side of turnpike, three-eighths of a mile southeast of Deacon station.

DEACON.

Eleva., 57.77 ft.

A copper bolt in marble slab on the northerly end of easterly parapet of P. R. R. culvert, about one mile southeast of Deacon station.

DEACON.

Eleva., 76.67 ft.

A cross on the center of concrete cap of west parapet of red brick arch highway culvert about 300 yards southerly from the P. R. R. station and east of the track.

DELANCO.

Eleva., 15.27 ft.

A cross on the south end of the southernmost basement window sill of window on the east face of brick school house at the corner of Hickory and Walnut Streets.

DELANCO.

Eleva., 8.57 ft.

A cross on the southeast corner of a large stone on the east end of north stone pier of P. R. R. draw-bridge over Rancocas Creek. The cross is 6.5 ft. from the rail, and is on the seat supporting the draw.

EDGEWATER PARK.

Eleva., 26.99 ft.

A cross on the northwest corner of a large stone and on the level of the girder seat at the north end of west abutment of P. R. R. bridge over highway at the station. The cross is 8 ft. from the rail, and immediately at the face of a stone retaining wall.

EDGEWATER PARK.

Eleva., 28.81 ft.

A cross on the outer edge at the east end of bottom concrete step of three steps at the southwest corner of the P. R. R. station. Measured northerly, the cross is $5\frac{1}{2}$ feet from the corner of the building.

ELMWOOD ROAD.

Eleva., 63.16 ft.

Copper bolt in a stone monument at the northwest corner of Elmwood railroad station.

ELMWOOD ROAD.

Eleva., 57.18 ft.

A cross 1.3 feet below the rail on the topmost point of the north end of a 72-inch cast iron pipe culvert under the railroad about one-half mile west of the station.

FIELDSBOROUGH.

Eleva., 10.56 ft.

Top of metal cap on which are marked the letters: U. S. E. D., &c., on the westerly side of and near the P. R. R. track, about 200 yards below mile post 26-35, and south of the station.

FIELDSBOROUGH.

Eleva., 6.05 ft.

A cross on the outer corner of a large stone at the northwest end of easterly abutment of P. R. R. bridge, about one mile below the station. The cross is on the level of the girder seat, and is twelve and one-half feet from the girder.

FLORENCE.

Eleva., 51.82 ft.

A cross on the northwest corner of concrete base of a hand signal post, a few feet above the P. R. R. station.

FLORENCE.

Eleva., 51.67 ft.

A cross on the southeast corner of concrete base of a signal at the crossing and on the westerly side of the P. R. R. tracks, about 200 feet below the station.

HAINESPORT.

Eleva., 9.89 ft.

A cross on the northwest corner of stone on which rests the east end of the north truss of highway bridge over the "South Branch of Rancocas" at J. D. Johnson Company's factory.

HAINESPORT.

Eleva., 12.11 ft.

A cross on a cap stone of the northeast wing wall of east abutment of highway bridge over the "South Branch of Rancocas." The cross is immediately at the southwest corner of a brick building of the J. D. Johnson works.

HAINESPORT.

Eleva., 30.53 ft.

A cross on the east edge at the south end of a cement sidewalk, on the east side of highway just east of the P. R. R. station. The cross is immediately below the southwest corner of a rough stone fence post, and is about 25 feet, measured northerly, from the railroad tracks.

HARTFORD.

Eleva., 68.60 ft.

A cross on the southwest corner of a large stone on the southerly end of east abutment of P. R. R. bridge over Mt. Holly Pike, about three-quarters of a mile west of station. The cross is on the level of the girder seat.

HARTFORD.

Eleva., 26.83 ft.

A cross on the southwest corner of the fourth stone step from the top of a number of steps forming the wing wall at the south end of east abutment of P. R. R. bridge over Parkers Creek, about one-half mile east of station. The cross is on the layer of stones that forms the girder seat.

KINKORA.

Eleva., 9.74 ft.

A cross on the southwest corner of concrete base of signal on the northerly side of P. R. R. tracks and 250 feet westerly from the station.

- KINKORA.** Eleva., 11.53 ft.
A cross on the southwest corner at the south end of east stone abutment of P. R. R. bridge, over stream about one-half mile west of station. The cross is on the girder seat and 8 feet from the girder.
- LEWISTOWN.** Eleva., 89.41 ft.
A cross on the northeast corner of concrete base of the easterly railroad signal just north of the tower about one-quarter mile northerly from the station.
- LEWISTOWN.** Eleva., 85.70 ft.
A cross on the northwest corner of concrete base of railroad signal on the easterly side of the track opposite the station.
- LUMBERTON.** Eleva., 37.08 ft.
Lower edge at the north end of small marble date stone (1917) set in the east face at the southeast corner of brick school one-fifth of a mile west of the railroad and about 0.2 miles north of the station.
- LUMBERTON.** Eleva., 35.48 ft.
A cross on the outer edge at the north end of cement sill of the most northerly basement window on the east face of brick school one-fifth of a mile west of the railroad and about 0.2 miles north of the station.
- LUMBERTON.** Eleva., 37.17 ft.
A cross cut in the most northerly bolt of several bolts holding steel standpipe to stone foundation east of the track about 0.2 miles north of the railroad station.
- LUMBERTON.** Eleva., 12.47 ft.
A cross 1.8 feet from the girder on the northwest corner of bridge seat at the west end of south abutment of railroad bridge over South Branch of Rancocas Creek near the station.
- MAPLE SHADE.** Eleva., 21.51 ft.
A cross on the southeast corner of the top stone step on the wing wall at the south end of west abutment of P. R. R. stone arch bridge over "South Branch of Pensauken Creek," about one-half mile west of station.
- MAPLE SHADE.** Eleva., 40.57 ft.
A cross on the south end of door sill of entrance, on the east face, to brick school building, about 200 yards south of the railroad track, just east of the P. R. R. Station.
- MAPLE SHADE.** Eleva., 23.20 ft.
A cross on the southwest corner at the west end of north concrete parapet of P. R. R. bridge over "North Branch of Pensauken," about one mile east of station (or one-quarter mile west of Lenola station). The cross is slightly above and 6 feet from the rail.
- MARLTON.** Eleva., 91.23 ft.
Copper bolt in stone monument at the west end of platform of the railroad station south of the track.
- MARLTON.** Eleva., 108.57 ft.
A cross on the topmost point of boulder at the northeast corner of the cross roads at the hotel.
- MARLTON.** Eleva., 108.76 ft.
A cross on the west end of granite sill of small basement window on the north face and near the northwest corner of Marlton school, a brick structure 100 yards south of the crossroads.
- MASONVILLE.** Eleva., 46.10 ft.
A cross on the northwest corner of concrete base of signal, about 100 yards west of P. R. R. station, and on the north side of the track.

MASONVILLE.

Eleva., 19.46 ft.

A cross on the southwest corner of large stone and on the level of the girder seat, at the south end of east abutment of P. R. R. bridge over Mason's Creek, about three-quarters of a mile east of station.

MEDFORD.

Eleva., 32.39 ft.

A cross on the outer edge and in the center of cement cap of east parapet of railroad culvert over Sharps Run about one-half mile northeast of the station.

MEDFORD.

Eleva., 52.02 ft.

A cross immediately at the southwest corner of brick work on the concrete base of chimney of the gas factory at the railroad station.

MEDFORD.

Eleva., 39.39 ft.

A cross one foot above the sidewalk on the southwest corner at the extreme southerly end of west parapet of concrete highway bridge over Sharps Run about 300 yards north of the railroad station.

MEDFORD.

Eleva., 64.70 ft.

A cross 3.66 feet above the sidewalk on the water table at the northwest corner of Bank at Main and Union Streets.

MOORESTOWN.

Eleva., 62.63 ft.

A copper bolt on the west end of brown stone door sill of the entrance to waiting room, on the north face of West Moorestown station.

MOORESTOWN.

Eleva., 71.40 ft.

A cross on the outer corner at the westerly end of door sill of boys' entrance on the northerly face of High School. The building is on North Church Street, about 200 yards southerly from the West Moorestown railroad station. The cross is the same elevation as the stone base course of the structure.

MOORESTOWN.

Eleva., 75.45 ft.

A cross on the white sandstone water-table, 3.2 ft. above the ground, and in the center of the front of "Relief Fire Engine" house, on the west side of Chester Avenue, about 200 feet southerly from the P. R. R. tracks.

MOORESTOWN.

Eleva., 79.44 ft.

A copper bolt on the west end of door sill of the waiting room entrance to Stanwick Avenue station.

MOUNT HOLLY.

Eleva., 12.74 ft.

A cross on the outer edge at the east end of door sill of most westerly entrance to "Union Fire House No. 2," on the south side of Mill Street.

MOUNT HOLLY.

Eleva., 16.89 ft.

On northwest corner of door sill of National Bank, on northeast corner of Main and Mill Streets.

MOUNT HOLLY.

Eleva., 32.11 ft.

A cross on the outer corner at the easterly end of a large brown stone window sill, on the north face of the Post Office. The building is of brown stone construction, and the window is the first from the northwest corner of the structure.

MOUNT HOLLY.

Eleva., 35.60 ft.

A point on the outer edge at the northerly end of marble door sill of Main Street entrance to Mt. Holly National Bank, near the "Friends Meeting House." The point is on the higher portion of the sill next to wooden casing.

MOUNT HOLLY.

Eleva., 39.78 ft.

A point on the outer corner at the extreme southerly end of blue stone door sill of Main Street entrance to "New Washington Hotel" near the Court House.

MOUNT HOLLY.

Eleva., 42.96 ft.

On the northwest corner of marble door sill of main entrance to Burlington County Court House.

MOUNT HOLLY.

Eleva., 62.24 ft.

A copper bolt on the north end of east pier holding frame support of bridge over Burlington Branch of P. R. R. at Fair Grounds in the northern part of the city.

MOUNT HOLLY.

Eleva., 185.47 ft.

On the northwest corner of granite monument, located on the summit of Mount Holly, and which marks the U. S. Coast and Geodetic Survey triangulation point, Mount Holly.

PALMYRA.

Eleva., 19.79 ft.

A cross on the outer edge at the extreme westerly end of door sill of Fifth Street entrance to "Sunday School Temple" of "Epworth M. E. Church" on the corner of Fifth Street and Morgan Avenue. The entrance is about 100 feet westerly from Morgan Avenue.

PALMYRA.

Eleva., 21.71 ft.

A cross on the outer corner at the easterly end of door sill of baggage room entrance on south face of P. R. R. station. The building is on the westerly side of the tracks.

PALMYRA.

Eleva., 23.81 ft.

A cross on the outer corner at the southerly end of the door sill of third entrance from the northwest corner, on the southwest face of "P. O. S. A. Hall," opposite the P. R. R. station.

PALMYRA.

Eleva., 23.44 ft.

A cross on the westerly end of brown stone window sill of the most westerly basement window on the north face of Palmyra Public School. The structure is of red brick and is at the forks of the road, about 200 yards southerly from the P. R. R. station.

PALMYRA.

Eleva., 14.10 ft.

A cross on the southeast corner of a large stone on the southerly end of northeast abutment of P. R. R. bridge over Pensauken Creek, about one mile westerly from the station. The cross is on the level of the girder seat and is 4 feet from the girder.

PEMBERTON.

Eleva., 51.81 ft.

Copper bolt on the northerly end of door sill of entrance to baggage room on the west face of the railroad station.

PEMBERTON.

Eleva., 78.24 ft.

A cross on the outer corner at the west end of sill of double door entrance on the southerly face of the M. E. Church on the east side of the main street.

PEMBERTON.

Eleva., 77.30 ft.

A cross on the outer corner at the southerly end of door sill of the front entrance to the First Baptist Church on the westerly side of the main street.

PEMBERTON.

Eleva., 57.04 ft.

A cross on the outer corner at the northerly end of brown sandstone door sill of main entrance to the Peoples National Bank on the easterly side of the main street northerly from the bridge over the pond at South Pemberton.

PEMBERTON.

Eleva., 76.05 ft.

On the southwest or outer corner of brown sandstone base of the most northerly of two columns at the main entrance to the Pemberton High School two blocks easterly from the M. E. Church. The elevation is about the same as the cement door sill.

REEVES STATION.

Eleva., 28.24 ft.

A cross on the topmost point at the center of cement cap of easterly parapet of railroad culvert about one-quarter mile southerly from the station near milepost "5-2".

RIVERSIDE.

Eleva., 22.70 ft.

On the outer corner at the westerly end of door sill of the main entrance to the offices of the Keystone Watch Co. The building is just above the P. R. R. station on the westerly side of the track.

RIVERSIDE.

Eleva., 24.60 ft.

A cross on the outer corner at the easterly end of door sill of Scott Street entrance to Riverside National Bank, about 200 ft. westerly from Pavilion Avenue.

RIVERSIDE.

Eleva., 25.05 ft.

A cross on the outer corner at the westerly end of door sill of Scott Street entrance to Riverside Turncemeinde, a red brick building about 100 yards westerly from Pavilion Avenue.

RIVERSIDE.

Eleva., 19.78 ft.

A cross on the outer corner at the easterly end of brown stone door sill of corner entrance on Scott Street to W. F. Taubel, Inc. Co.'s knitting mill and offices. The structure built of yellow brick, is on the southerly side of the railroad track at the east corner of Scott Street and Fairview Avenue.

RIVERTON.

Eleva., 7.49 ft.

A cross on the northeast corner of concrete block at the southerly end of westerly abutment of P. R. R. bridge over stream about one-quarter mile northeast of station. The cross is about four and one-half feet below the rail.

RIVERTON.

Eleva., 21.14 ft.

A cross on the outer corner at the northeast end of cement door sill of rear entrance, on the northwest face of store of J. S. Collins & Son, Inc., opposite the P. R. R. station and on the southerly side of the track.

RIVERTON.

Eleva., 15.34 ft.

A cross on the outer edge of the southwest end of granite door sill of Fourth Street entrance to Public School, a brick building on the north corner of Howard Avenue and Fourth Street.

RIVERTON.

Eleva., 16.83 ft.

A cross on the northerly end of door sill of tower entrance on Main Street to Christ Church, at the north corner of Fourth and Main Streets.

ROEBLING.

Eleva., 27.77 ft.

A cross on the step and at the base of an iron post at the corner entrance to the M. W. Stern building at the P. R. R. station. The cross is a trifle above the sidewalk and the building is but a few feet southerly from the railroad track.

ROEBLING.

Eleva., 50.85 ft.

A cross on the outer corner, at the southerly end of white sandstone step of entrance on the westerly face of Greek Catholic Church. The building is about 200 yards westerly from the P. R. R. station and about 100 yards southeast of the track, facing the trolley line.

ROEBLING.

Eleva., 45.70 ft.

A cross on the outer corner at the north end of door sill of entrance, on the east face of Roebling Public School, on the south side of the Roebling-Florence highway.

SMITHVILLE.

Eleva., 21.35 ft.

A cross 5.5 feet below the top and 1.5 feet from the face of wall on the northwest corner of concrete base course of the northwest wingwall of highway bridge over North Branch of Rancocas Creek about 0.3 miles north of the railroad station.

SMITHVILLE.

Eleva., 24.77 ft.

A cross just below the north end of the northwest wingwall of bridge on the southwest corner of west retaining wall along the roadway north of the highway bridge over North Branch of Rancocas Creek about 0.3 miles north of the railroad station.

SMITHVILLE.

Eleva., 45.18 ft.

A cross on a ledge of foundation stone 2.2 feet below the lower edge of the first course of brick at the northeast corner and on the north face of a three-story structure on the west side of the highway and north of the track at the railroad station.

STEVENS.

Eleva., 23.97 ft.

A cross on the southwest corner of concrete base of signal, about 200 yards easterly from the P. R. R. station and on the north side of the track.

WHITE HILL—see FIELDSBOROUGH.**WRIGHTSTOWN.**

Eleva., 137.00 ft.

A cross on the outer corner at the west end of door sill of the west double door entrance on the south face of creamery, a tile structure on the north side of the Pemberton and Hightstown Railroad 100 yards west of the station.

WRIGHTSTOWN.

Eleva., 148.30 ft.

A cross on the outer corner at the east end of brown sandstone door sill of front entrance to the M. E. Church, a brick structure on the south side of the main street about 350 yards west from the Pemberton and Hightstown Railroad station.

WRIGHTSTOWN.

Eleva., 125.33 ft.

A cross on the outer edge at the south end of door sill of the most northerly basement entrance to creamery on the west side of highway leading north to Trenton, about 75 yards north of the crossroads. The upper story of this building is of wood and the lower of red brick.

WRIGHTSTOWN.

Eleva., 121.54 ft.

A cross directly over the center of arch and 2.47 feet below the top of east parapet on projection of floor of concrete highway bridge over "North Run" about 175 yards north of the crossroads.

WRIGHTSTOWN.

Eleva., 139.37 ft.

On the outer corner at the south end of sandstone door sill of center entrance under the porch on the east face of dwelling belonging to J. Shreve, located on the southwest corner of Trenton Avenue and the main street. The house sets back somewhat from the side line of Trenton Avenue.

WRIGHTSTOWN.

Eleva., 153.63 ft.

A cross on the southwest corner of the southwest concrete pier supporting steel column of railroad water tank 50 feet easterly from the Pemberton and Hightstown Railroad track about one-half mile southwest of the station.

SECONDARY BENCH MARKS.¹**BEVERLY**

South rail of crossing west of station.

35.0 ft.

BIRMINGHAM.

North rail of crossing at the station.

34.9 ft.

¹"Rail at station" means rail joint nearest the center of the station. "Rail at crossing" means rail joint; if there is none, the elevation is taken on the rail in the center of the roadway. Elevations are given to the nearest tenth of a foot, except when otherwise noted.

BROWN STATION.	48.2 ft.
East rail of crossing at the station.	
BROWN STATION.	48.7 ft.
Bottom edge of baseboard at the northwest corner of dwelling on the south side of the highway east of the station.	
BROWN STATION.	42.9 ft.
East rail of highway crossing 0.7 mile south of the station.	
CAMBRIDGE.	16.3 ft.
Rail at station.	
COOKSTOWN.	90.2 ft.
North rail of crossing about 300 yards east of the station.	
COOKSTOWN.	97.5 ft.
Bottom edge of baseboard at the southwest corner of the hotel near the railroad station.	
COOKSTOWN.	80.73 ft.
West end of concrete spillway wall at the southwest corner of the grist mill. The spillway is from the channel leading to the wheel.	
COOKSTOWN.	98.7 ft.
North rail of crossing at the station.	
CROPWELL STATION.	80.8 ft.
South rail of crossing at the station.	
CROPWELL STATION.	75.5 ft.
Southerly rail of crossing 0.35 miles west of the station.	
DEACON.	74.8 ft.
Rail at station.	
DELANCO.	13.9 ft.
Rail at station.	
EDGEWATER PARK.	30.1 ft.
Rail at station.	
ELMWOOD ROAD.	62.6 ft.
South rail of crossing one-half mile east of the station.	
ELMWOOD ROAD.	64.0 ft.
South rail of crossing at the station.	
EWANSVILLE.	55.4 ft.
South rail of crossing one-half mile east of the station.	
EWANSVILLE.	52.8 ft.
Point of frog of Y branch to Vincentown 200 yards east of the station.	
EWANSVILLE.	49.8 ft.
North rail of crossing at the station.	
FLORENCE.	52.3 ft.
Northwest rail of crossing at station.	
HAINESPORT.	29.3 ft.
Rail at station.	
HARTFORD.	44.6 ft.
Rail at station.	
KINKORA.	10.5 ft.
Rail at station.	
LENOLA.	31.0 ft.
Rail at station.	
LEWISTOWN.	88.7 ft.
Point of frog of the northeast Y at junction of railroads, one-quarter mile northeast of the station.	

LEWISTOWN.	85.7 ft.
Easterly rail of crossing of the Camp Dix branch of the Pennsylvania Railroad and the Juliustown highway, northerly from the crossroads.	
LEWISTOWN.	86.2 ft.
Northeast rail of crossing of the Camp Dix branch and the Wrightstown-Pemberton concrete highway.	
LEWISTOWN.	86.2 ft.
Point of frog of the southwest Y of junction of Kinkora and Camp Dix branches at the station.	
LUMBERTON.	30.8 ft.
Easterly rail of diagonal crossing 0.3 mile north of the station.	
LUMBERTON.	15.8 ft.
East rail of crossing at the station.	
LUMBERTON.	36.1 ft.
East rail of crossing three-quarters mile south of the station.	
MARLTON.	94.3 ft.
North rail of crossing of main track just east of the station.	
MARLTON.	88.50 ft.
A cross on the southeast corner of concrete base of signal on the south side of the track 125 yards west of the station.	
MARLTON.	87.2 ft.
North rail of crossing about 300 yards west of the station.	
MASONVILLE.	46.5 ft.
Rail at station.	
MEDFORD.	50.0 ft.
North rail of crossing at the station.	
MELROSE.	58.7 ft.
South rail of crossing about one-half mile east of the station.	
MELROSE.	64.4 ft.
Top of concrete foundation at the southeast corner of the station.	
MELROSE.	63.9 ft.
Rail of diagonal crossing at the station.	
PALMYRA.	20.9 ft.
South rail of crossing at station.	
PALMYRA.	15.3 ft.
Rail at Arch Street station.	
PEMBERTON.	50.0 ft.
Rail at the station.	
PEMBERTON.	44.7 ft.
Northerly rail of crossing at South Pemberton station.	
PERKINS.	19.6 ft.
North rail at the crossing.	
REEVES STATION.	43.3 ft.
East rail of crossing at the station.	
RIVERSIDE.	17.4 ft.
South rail of crossing at the station.	
RIVERTON.	17.4 ft.
South rail of crossing at the station.	
ROEBLING.	30.2 ft.
Rail at station.	
SHREVE STATION.	84.62 ft.
Cross on the concrete base of signal on the southeast side of the railroad about 250 yards northeast of the station.	

SHREVE STATION.	84.1 ft.
Southeast rail of crossing at the station.	
SMITHVILLE.	48.83 ft.
A cross next to building on the west end of cement step at entrance to waiting room on the south face of the station.	
SMITHVILLE.	47.9 ft.
South rail of crossing at the station.	
SMITHVILLE.	41.7 ft.
South rail of crossing one mile west of the station.	
STEVENS.	24.3 ft.
South rail of crossing at the station.	
TAYLOR.	16.0 ft.
Rail at station.	
WILKINS STATION.	59.4 ft.
East rail of crossing at the station.	
WOOD LANE.	56.1 ft.
West rail of crossing at the station.	
WRIGHTSTOWN.	134.0 ft.
Northwest rail of crossing at the Pemberton and Hightstown Railroad station.	
WRIGHTSTOWN.	135.2 ft.
North rail of crossing of Pemberton and Hightstown Railroad 175 yards southwest of the station.	
WRIGHTSTOWN.	126.4 ft.
North rail of crossing one and one-half mile northeast of the station.	

CAMDEN COUNTY.¹

ANCORA.	Eleva., 95.27 ft.
Copper bolt 3.8 feet from the rail on the east end of south stone abutment of old railroad bridge over brook about 300 yards north of the station.	
ANCORA.	Eleva., 99.92 ft.
A cross on the southwest corner of stone on the south end of east pier supporting steel frame of overhead highway bridge at the station.	
ANCORA.	Eleva., 95.02 ft.
A cross on the northwest corner of the northwest concrete pier supporting steel column of water tank east of the track, one-half mile southerly from the station.	
ANCORA.	Eleva., 94.07 ft.
Copper bolt in monument on the east side of the track at the water tank one-half mile southerly from the station.	
ASHLAND.	Eleva., 66.39 ft.
Copper bolt three feet from the north end of east parapet of small railroad culvert near a private crossing about 350 yards north of the station.	
ASHLAND.	Eleva., 66.33 ft.
A cross near the outer edge and slightly south of the center of arch on the stone cap of west parapet of small railroad culvert near a private crossing about 350 yards north of the station.	
ASHLAND.	Eleva., 72.26 ft.
A cross on the center of the west cement parapet of railroad culvert about 100 yards south of the station.	

¹Supersedes all previous lists for Camden County.

- ATCO.** Eleva., 148.22 ft.
Copper bolt in stone monument on the easterly side of the tracks about ten yards northerly from the north face of the Pennsylvania Railroad station.
- ATCO.** Eleva., 142.14 ft.
On the outer corner at the southerly end of brick sill of window on the easterly face and at the northeast corner of a one-story brick structure used as a broom factory on the westerly side of the Pennsylvania Railroad tracks about 200 yards southerly from the station.
- ATCO.** Eleva., 151.77 ft.
A cross on the outer corner at the south end of brown sandstone door sill of entrance under the alcove on the easterly face and at the southeast corner of a public school building about two blocks southwest of the railroad station.
- ATCO.** Eleva., 125.59 ft.
A cross one foot from the girder on the northwest corner of bridge seat at the westerly end of south abutment of highway bridge on the easterly side of the railroad about one-half mile south of the station. The road is parallel to the track and is the approach to an overhead bridge.
- BERLIN.** Eleva., 156.57 ft.
A cross on the outer corner at the south end of door sill of rear entrance to the public school, a red-brick and brownstone structure, on the east side of the main street northwest of the railroad station.
- BERLIN.** Eleva., 170.68 ft.
On the outer corner at the south end of cement door sill of entrance to the Berlin National Bank opposite the hotel.
- BERLIN.** Eleva., 168.25 ft.
A cross slightly above the cement sidewalk on the northeast corner of stepping stone in front of the Berlin Hotel.
- BERLIN.** Eleva., 168.41 ft.
On the outer corner at the north end of cement door sill of entrance under the tower to the Baptist Church, a brown stone structure on the easterly side of the main street.
- BERLIN.** Eleva., 166.14 ft.
A cross on the southwest corner at the southerly end of east stone pier supporting steel frame of the first overhead highway bridge about one-quarter mile southerly from the railroad station.
- BISHOPS BRIDGE.** Eleva., 158.00 ft.
A cross on ledge of stone on the southerly end and at the southeast corner of the westerly stone pier on which rests the steel frame of overhead highway bridge about 300 yards northerly from the station.
- CAMDEN.** Eleva., 20.22 ft.
A cross on the northeast end of basement window sill and near the stone bearing date of 1913, at the northwest corner of N. G. N. J. armory on Wright Avenue, about 400 yards northeast of the City Hall.
- CAMDEN.** Eleva., 30.44 ft.
A cross on the outer corner at the northerly end of granite door sill, Haddon Avenue entrance to City Hall.
- CAMDEN.** Eleva., 24.75 ft.
A cross on the outer corner at the north end of sand stone door sill of most northerly entrance on 6th Street to the First M. E. Church, opposite Cooper Hospital.
- CAMDEN.** Eleva., 19.09 ft.
A cross on the outer edge and six inches above sidewalk at the north end of granite step of entrance to P. R. station and outbound electric trains, on Broadway.

CAMDEN COUNTY.

CAMDEN.

Eleva., 28.42 ft.

A cross on granite base supporting columns and on the extreme right of Federal Street entrance to Y. M. C. A. near Broadway. The cross is three feet above the sidewalk and on the face of the building.

CAMDEN.

Eleva., 29.90 ft.

A cross on outer corner, at the west end of large stone slab and door sill of most westerly entrance on Federal Street to Court House.

CAMDEN.

Eleva., 29.94 ft.

A cross on the south end of westerly bridge pier supporting concrete columns of overhead highway bridge at Pavonia station of Penn. R. R. The cross is at the outer corner of beveled end of pier, and measures 1.2 feet from face of nearest column.

CAMDEN.

Eleva., 24.40 ft.

A square cut on the base course at the southeast corner of boiler house of the P. R. R. shops at Pavonia station. The square is about one foot below the present surface of the ground.

CAMDEN.

Eleva., 21.96 ft.

A square cut on the base course at the southeast corner of planing mill of P. R. R. shops at Pavonia station.

CAMDEN.

Eleva., 30.84 ft.

On easterly corner of pedestal, over the builders' names (Krips & Shearman), of the Soldiers' Monument, on Haddon Avenue, just north of City Hall.

COLLINGSWOOD.

Eleva., 29.31 ft.

A cross cut in the northwest foundation bolt of steel standpipe of city water supply near the railroad station. The bolt is the first to the left of the manhole at the base of the standpipe.

COLLINGSWOOD.

Eleva., 28.35 ft.

A cross on the outer corner at the west end of cement door sill of entrance under the tower to fire house north of the railroad station.

COLLINGSWOOD.

Eleva., 39.17 ft.

A cross on the outer corner at the east end of marble door sill of the most westerly single door entrance to the Collingswood National Bank on Haddon Avenue opposite Irving Ave.

COLLINGSWOOD.

Eleva., 37.69 ft.

A cross on the north end of sill of small basement window on the east side of the Haddon Avenue annex and on the left of main entrance to Public School No. 1—at Irving Avenue.

COLLINGSWOOD.

Eleva., 31.13 ft.

A cross on the outer corner at the southeast end of brown sandstone door sill of the most northerly entrance on the easterly face of the Edward C. Knight High School at Colford Avenue on the West Collingswood road.

DELAIR.

Eleva., 25.40 ft.

A cross on the northwest corner of bottom stone step of wing wall at the northerly end of east abutment of Delaware River R. R. bridge over Camden and Amboy R. R., just below Delair station of the Amboy Division.

DELAIR.

Eleva., 7.29 ft.

A cross on the southeast end of granite door sill of entrance, on the southwest face of electric pump room of the Camden Water Works Auxiliary station. The building is northwest of the P. R. R. station and near the railroad bridge over the Delaware River.

DUNBARTON.

Eleva., 125.89 ft.

A cross on the southeast corner of stone forming the lowest step at the southerly end of westerly abutment of bridge at the station.

- FISHER.** Eleva., 127.23 ft.
Copper bolt in monument at the railroad station.
- FISH HOUSE.** Eleva., 15.97 ft.
A cross on the level of the girder seat and on the southeast corner of large stone on the east end of north abutment of P. R. R. bridge over roadway just below the station. The cross is seven feet from the girder.
- FREEMAN STATION.** Eleva., 36.49 ft.
A cross cut in ledge of stone on the east face, sixteen feet from the north end, and 1.35 feet below the top of west parapet of highway bridge over Tindale Run, 75 yards north of the station.
- GLOUCESTER.** Eleva., 17.46 ft.
Copper bolt in the south end of door sill of the most northerly entrance on the east face of the railroad station.
- GLOUCESTER.** Eleva., 20.54 ft.
A cross on the outer corner at the easterly end of brown sandstone door sill of entrance on the south face of Gloucester High School, a brick structure at the junction of Broadway and Monmouth Streets.
- GLOUCESTER.** Eleva., 20.17 ft.
A cross on the outer edge at the east end of door sill of Monmouth Street, entrance to the City Hall, 75 yards easterly from Burlington Street.
- GLOUCESTER.** Eleva., 15.80 ft.
A cross on the outer corner at the east end of granite door sill of Monmouth Street entrance to the Presbyterian Church at Burlington Street.
- GLOUCESTER.** Eleva., 15.59 ft.
A cross on the outer corner at the westerly end of marble door sill of Monmouth Street entrance to the M. E. Church, 75 yards easterly from King Street.
- GLOUCESTER.** Eleva., 7.78 ft.
A cross next to the building at the southwest end of marble slab at the entrance on the northwest corner of Buena Vista Hotel near the ferry slip.
- HADDONFIELD.** Eleva., 49.01 ft.
A cross 6.7 feet north of the girder on the northwest corner of bridge seat at the north end of east abutment of P. R. R. bridge (Medford Br.) over Coopers Creek about three-quarters mile southeast of the station.
- HADDONFIELD.** Eleva., 79.85 ft.
A cross on the outer corner at the south end of door sill of the most southerly entrance on the east face of Haddonfield High School at Lincoln Avenue and Chestnut Street.
- HADDONFIELD.** Eleva., 66.36 ft.
A cross on the outer corner at the west end of door sill of entrance to the Haddonfield National Bank on Kings Highway East, near Tanner Street.
- HADDONFIELD.** Eleva., 69.86 ft.
A cross on the outer corner at the north end of brown sandstone door sill of tower entrance on the west face of the First Baptist Church on Kings Highway East, near Tanner Street.
- HADDONFIELD.** Eleva., 71.46 ft.
A cross 0.65 feet from the outer edge and one foot from the west end of brown sandstone door sill of entrance to alcove on the southerly face of Grace Church on the northerly side of Kings Highway East, near the railroad station.

HADDONFIELD.

Eleva., 76.73 ft.

A cross in the center of blue sandstone coping at the north end of stairway of the east platform at the railroad station.

KIRKWOOD.

Eleva., 68.61 ft.

A cross on the southeast corner at the south end of stone cap of west pier on which rests the steel frame of overhead highway bridge at the railroad station.

KIRKWOOD.

Eleva., 67.06 ft.

A cross on the southeast corner of lowest stone step at the south end of west abutment of highway bridge over the railroad at the station.

KIRKWOOD.

Eleva., 59.46 ft.

A cross on the southwest corner of bridge seat at the west end of north abutment of bridge over spillway at the south end of dam of pond opposite the railroad station.

KIRKWOOD.

Eleva., 60.04 ft.

A cross on southeast corner of slate slab on south side of outlet of pond, on dam opposite railroad station. (The mark is 8.5 ft. southerly from face of the southerly abutment.)

KIRKWOOD.

Eleva., 65.17 ft.

A cross on the northeast corner of lowest stone step at the easterly end of the northeast wing wall of southerly parapet of highway culvert over Coopers Creek near the dam opposite the railroad station,

LINDENWOLD.

Eleva., 108.47 ft.

A cross in uppermost cap stone of sloping wing wall at the northeast end of northwest abutment of railroad bridge over highway about one-half mile southeast of the station. The mark is 1.9 feet below the concrete beam to which a galvanized iron railing is attached.

LUCASTON.

Eleva., 134.99 ft.

A cross on the southwest corner of stone on the southerly end of northeast pier supporting steel frame of overhead highway bridge at the station.

MERCHANTVILLE.

Eleva., 37.44 ft.

A cross on the northwest corner of concrete base of signal at crossing about one-half mile west of Wellwood station, and on the southerly side of the P. R. R. track.

MERCHANTVILLE.

Eleva., 80.50 ft.

A copper bolt at the west end of marble door sill, main entrance to ladies' waiting room of P. R. R. station.

MERCHANTVILLE.

Eleva., 80.46 ft.

On the west end of marble door sill (close by corner of brick work) of the east front door of railroad station.

MERCHANTVILLE.

Eleva., 90.56 ft.

A cross on the outer edge at the south end of cement door sill of the most southerly entrance to public school on Center Street, about three blocks south of the P. R. R. station.

MERCHANTVILLE.

Eleva., 94.07 ft.

A cross on the outer corner at the east end of door sill of most westerly entrance on West Maple Avenue to Trinity M. E. Church at Chapel Avenue.

MERCHANTVILLE.

Eleva., 76.61 ft.

A cross on the southeast corner of granite stone and on the level of the girder seat, at the south end of west abutment of P. R. R. bridge over the Delaware River R. R., about one-half mile east of station.

MORRIS.

Eleva., 8.36 ft.

A cross on the outer corner at the southerly end of door sill of entrance to boiler room on the easterly face of Camden water works.

- ORCHARD.** Eleva., 69.70 ft.
Copper bolt in stone monument about 20 feet west of railroad station and south of the track.
- OSAGE.** Eleva., 60.39 ft.
A cross on the center of east parapet of railroad culvert about 300 yards south of the station.
- SICKLerville.** Eleva., 142.59 ft.
A cross on the outer corner on the northeast end of brick window sill of large window on the westerly face and near the northwest corner of a brick structure used as a garage, on the southeast corner of the cross-roads about 200 yards northwest of the railroad station.
- SICKLerville.** Eleva., 152.64 ft.
Top of concrete foundation at the southeast corner of public school building on the northerly side of the Turnersville road about one-third mile northwest of the railroad station.
- SPRINGDALE.** Eleva., 64.41 ft.
Copper bolt in stone monument at the northeast corner of the railroad station.
- WATERFORD.** 123.34 ft.
Copper bolt in monument on the west platform of the railroad station.
- WATERFORD.** Eleva., 110.31 ft.
A cross near the southeast corner, 3.6 feet above the rail at the south end of west abutment of highway bridge over the railroad about three-quarters mile south of the station.
- WEST BERLIN.** Eleva., 164.59 ft.
A cross on the southwest corner at the southerly end of the northeast stone pier supporting steel frame of overhead highway bridge about one-quarter mile northwest of the railroad station.
- WEST BERLIN.** Eleva., 174.93 ft.
A cross on the outer corner at the easterly end of cement door sill of entrance on the southerly face of public school building northeast of the railroad station.
- WEST BERLIN.** Eleva., 174.49 ft.
Top of concrete foundation at the northwest corner of public school building northeast of the railroad station.
- WILLIAMSTOWN JUNCTION.** Eleva., 156.77 ft.
A cross on the northeast corner of concrete wall of scale pit 150 yards northeast of the main line of the Reading Railroad, 0.2 mile southeast of the station.
- WILLIAMSTOWN JUNCTION.** Eleva., 151.85 ft.
A cross on the southeast corner of concrete base of signal on the west side of the main line of the Reading Railroad and east of the Y connection with the Mullica Hill Branch about 175 yards southeast of the station.
- WINSLOW.** Eleva., 121.15 ft.
A cross on the northeast corner of bridge seat at the easterly end of north abutment of Pennsylvania Railroad bridge over highway about one-quarter mile northwest of the Pennsylvania station.
- WINSLOW.** Eleva., 121.24 ft.
Copper bolt on bridge seat at the easterly end of northwest abutment of Pennsylvania Railroad bridge over the New Jersey Central Railroad at the Pennsylvania station.

WINSLOW.

Eleva., 112.019 ft.

Elevation of underground mark 107.779

This monument (No. 18) is located in the grass plot, 22.5 feet west of flag pole. It is in the center line of road running south of New Jersey Southern Railroad station, and is about in center line of roads running to Hammonton and Waterford. The following measurements were taken from the monument: north $46^{\circ} 30'$ east, 57 feet to large oak; north $6^{\circ} 30'$ west, 41 feet to another large oak; 123.25 feet to southeast corner of Hay & Co.'s store; 50 feet to corner of glass works fence; 55 feet perpendicularly to south line of road to New Germany; 58 feet to southwest street corner, and 73 feet to northeast corner of house on this southwest corner.

YORKSHIP.

Eleva., 15.32 ft.

A cross next to the building on the north end of top cement step or slab at the front entrance to the U. S. Naval Inspection Office of the N. Y. Shipbuilding corporation at the railroad station.

YORKSHIP.

Eleva., 14.39 ft.

A cross on the northwest corner of lower concrete base of the most northerly pier of two piers supporting signal frame on the east side of the tracks just north of the railroad station.

CAMDEN COUNTY.

SECONDARY BENCH MARKS.¹

ANCORA. Rail at the station.	95.2 ft.
ANCORA. Top of concrete foundation at the northwest corner of the station.	97.2 ft.
ANDREWS. The most southerly joint of the easterly rail on Reading Railroad bridge over Great Egg Harbor River one mile northeast of the station.	122.1 ft.
ANDREWS. Point of frog of siding southwest of station.	128.9 ft.
ANDREWS. Northwest rail of crossing at the station.	127.6 ft.
ASHLAND. East rail of crossing at the station.	72.7 ft.
ASHLAND. Southeast foundation bolt of gasoline pump at the store near the station.	75.4 ft.
ATCO. Rail at the station.	146.8 ft.
ATCO. South rail of crossing 0.4 miles west of station on the Reading Railroad.	150.5 ft.
ATCO. On cement block under the center of wooden door sill of small cement block structure opposite the railroad station west of the tracks.	151.00 ft.
BERLIN. Southwest rail of track at crossing one-quarter mile northwest of Reeds Crossing station.	155.7 ft.

¹"Rail at station" means rail joint nearest center of station. "Rail at crossing" means rail joint; if there is no rail joint, the elevation is taken on top of rail in the center of the roadway.

BERLIN.	153.8 ft.
Rail at Reeds Crossing station.	
BERLIN.	171.85 ft.
Next to the building on the center of cement cap of low wall on the left side of the steps at the front entrance to the Berlin National Bank.	
BERLIN.	159.6 ft.
West rail of crossing 50 feet southeast of the station.	
CAMDEN.	10.4 ft.
East rail of crossing at South Camden station.	
CAMDEN.	8.19 ft.
A cross on the southeast corner of the most southerly of two concrete piers supporting signal frame on the west side of the N. J. & S. R. R. tracks at the junction about one-quarter mile northerly from South Camden station.	
CAMDEN.	15.3 ft.
East rail of crossing at Kaighn Avenue station.	
CHESILHURST.	117.7 ft.
East rail of crossing at the station.	
CHESILHURST.	118.64 ft.
Bottom edge of corner strip at the northeast corner of large frame structure on the west side of the railroad and north of the highway at the station.	
CUTHBERT.	39.41 ft.
A cross on the northwest corner of concrete base of signal on the westerly side of the railroad southeast of the station.	
CUTHBERT.	36.1 ft.
West rail of north track of crossing at the station.	
DELAIR.	23.4 ft.
Rail at station.	
DUNBARTON.	124.7 ft.
Rail at station.	
FISHER.	128.09 ft.
Next to the building on the west end of cement porch floor of brick dwelling on the east side of the railroad and on the north side of highway 150 yards north of the station.	
FISHER.	125.6 ft.
Rail at station.	
FISH HOUSE.	17.8 ft.
Rail at station.	
FREEMAN STATION.	38.2 ft.
North rail of crossing one and one-quarter miles east of Haddonfield on the Medford Branch of the Pennsylvania Railroad.	
FREEMAN STATION.	38.93 ft.
A cross on the southwest corner of upper concrete block on which rests warning signal of approaching trains, on the north side of the track and east of the road at the station.	
GLOUCESTER.	18.7 ft.
East rail of crossing at South Gloucester station of the W. J. & S. Railroad	
GLOUCESTER.	16.8 ft.
East rail of crossing 30 yards north of the W. J. & S. Railroad station.	

GLOUCESTER.	12.4 ft.
Northeast frog of east crossing of the W. J. & S. Railroad and the Mt. Ephraim Branch of the Reading Railroad about 0.3 mile north of the Pennsylvania station.	
HADDONFIELD.	64.5 ft.
Northeast rail of crossing at West Haddonfield station.	
LINDENWOLD.	93.8 ft.
Bottom of baseboard at the southeast corner of Stack's store diagonally opposite the railroad station.	
LINDENWOLD.	93.2 ft.
Northeast rail of crossing at the station.	
LOCUST GROVE.	92.2 ft.
South rail of crossing at the station.	
LUCASTON.	130.0 ft.
Rail at the station.	
MAPLE SHADE.	41.0 ft.
Rail at the station.	
MORRIS.	13.5 ft.
Rail at the station.	
ORCHARD.	68.9 ft.
South rail of diagonal crossing at the station.	
OSAGE.	72.42 ft.
A cross on the southwest corner of lower block of concrete on which rests signal for trains on the east side of the railroad about 250 yards north of the station.	
OSAGE.	71.3 ft.
West rail of north bound track of crossing at the station.	
PENSAUKEN.	69.6 ft.
Rail at station.	
SICKLERVILLE.	139.9 ft.
Southerly rail of crossing at the station.	
SICKLERVILLE.	140.0 ft.
Point of frog of siding just west of crossing at the station.	
SICKLERVILLE.	149.18 ft.
On the southeast end of small basement window sill on the westerly face and near the southeast corner of public school building.	
SPRINGDALE.	64.2 ft.
North rail of crossing at the station.	
SPRINGDALE	72.9 ft.
South rail of main track of crossing one mile west of the station.	
TANSBORO.	164.3 ft.
South rail of Reading Railroad crossing.	
TANSBORO.	160.4 ft.
On concrete curb in front of center of Bower's store—on the west side of the highway 75 yards north of the Reading Railroad crossing.	
WATERFORD.	122.6 ft.
East rail of crossing at the station.	
WATERFORD.	124.95 ft.
Bottom edge of vertical strip at the corner of building on the west side of the tracks and north of the highway at the station.	
WATERFORD.	123.00 ft.
A cross on the northeast corner of cement casing around wall and pump at the northerly face of the railroad station.	

A LIST OF BENCH MARKS.

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WEST BERLIN.	
Northeast rail of crossing at the station.	166.9 ft.
WESTMONT STATION.	
Rail of eastbound track at the station.	50.9 ft.
WILLIAMSTOWN JUNCTION.	
North rail of crossing about 0.3 miles northeast of the station on the Atco branch of the Reading Railroad.	168.6 ft.
WILLIAMSTOWN JUNCTION.	
Point of frog connecting Y's of the Mullica Hill Branch, 200 yards southwest of the main line of the Reading railroad.	147.9 ft.
WOODCREST STATION.	
Northeast rail of crossing at the station.	51.4 ft.
YORKSHIP STATION.	
East rail of crossing just north of the station.	13.8 ft.
YORKSHIP.	
Northeast frog of crossing of W. J. & S. and Reading railroad tracks just north of the station.	14.3 ft.

CUMBERLAND COUNTY:¹

BRIDGETON.	
A cross on the outer corner at the northeast end of sandstone door sill of entrance on the easterly face of Irving Avenue station, W. J. & S. Railroad.	Eleva., 46.39 ft.
BRIDGETON.	
A cross 13 feet from the southeast corner of building and 3 feet above the ground on a ledge of foundation stone on the southwest face of Irving Avenue Public School, 70 yards westerly from the railroad station.	Eleva., 45.48 ft.
BRIDGETON.	
A cross on the northeast corner of concrete slab at the waste gates at the southeast corner of East Lake on the northerly side of East Commerce Street.	Eleva., 28.17 ft.
BRIDGETON.	
A cross on the southwest corner of stone base of the most westerly column of porch of main entrance to the Post Office on the corner of East Commerce and Bank Streets.	Eleva., 38.44 ft.
BRIDGETON.	
A cross on the outer corner at the northerly end of door sill of entrance under the tower and on the easterly face of Central M. E. Church on the corner of East Commerce and Bank Streets.	Eleva., 32.73 ft.
BRIDGETON.	
This bench mark is a cross cut on east end of door sill of main front entrance of First Baptist Church, on Commerce Street.	Eleva., 22.41 ft.
BRIDGETON.	
On the outer edge, 2.2 feet from the westerly end of door sill of East Commerce Street entrance to the Cumberland Trust Company's building at Pearl Street.	Eleva., 14.71 ft.
BRIDGETON.	
This bench mark is a cross cut on west end of large upper stone step of front entrance of stone Presbyterian Church, on Commerce Street, in West Bridgeton.	Eleva., 54.25 ft.
BRIDGETON.	
A cross on the outer corner at the westerly end of granite door sill of main entrance to the Cumberland County Court House on Broad Street.	Eleva., 47.58 ft.

¹Supersedes all previous lists for this county.

BRIDGETON.

Eleva., 10.54 ft.

A cross on the west end of window sill of the most westerly window on the southerly face of the pumping station of the Bridgeton Water Works in the park, just north of Commerce Street.

BRIDGETON, NEAR.

Eleva., 87.39 ft.

A cross on the northwest corner of concrete base of signal on the westerly side of the West Jersey and Seashore Railroad track about 150 yards southwest of the crossing of the Central Railroad, about two miles north of Bridgeton.

FINLEY.

Eleva., 108.05 ft.

Copper bolt in monument at southeast corner of the railroad station.

HUSTED.

Eleva., 88.60 ft.

A cross on the topmost point of bell at the westerly end of concrete pipe culvert under the railroad about 0.35 mile northerly from the station.

HUSTED.

Eleva., 97.92 ft.

A cross on the southeast corner of concrete base of signal on the east side of the railroad about 80 yards northerly from the station.

HUSTED.

Eleva., 99.55 ft.

A cross on the southwest corner of concrete wall around well and pump at the north face of the station.

HUSTED.

Eleva., 98.56 ft.

Copper bolt in monument at the southeast corner of the railroad station.

NORTH VINELAND.

Eleva., 98.21 ft.

A cross on the southeast corner of concrete wall around well and pump at the south end of the railroad station.

NORTH VINELAND.

Eleva., 80.26 ft.

A cross 1.8 feet from the girder on the outer corner of bridge seat at the east end of south abutment of West Jersey and Seashore Railroad bridge over Blackwater Branch about 0.8 mile south of station.

MILLVILLE.

Eleva., 33.45 ft.

This bench mark is a cross cut on the water table on southwest corner of Millville Public Library, on northeast corner Main and Second Streets.

MILLVILLE.

Eleva., 28.79 ft.

This bench mark is a cross cut on east end of stone door sill of main entrance to Workingmen's Institute.

VINELAND.

Eleva., 112.50 ft.

A cross on the outer corner at the south end of brown sandstone window sill of basement window about 25 yards north of the center and main entrance on the east face of the Soldiers' Home, a large building on the west side of the Pennsylvania Railroad north of the station. The window is the first one in the north wing from the main entrance to the building.

VINELAND.

Eleva., 106.85 ft.

A cross on the outer corner at the southerly end of brown sandstone door sill of entrance at the southwest corner of the New Jersey Central Railroad station.

VINELAND.

Eleva., 108.10 ft.

This bench mark is a cross on north end of stone door sill of north door on west side of Vineland station of West Jersey Railroad.

VINELAND.

Eleva., 114.14 ft.

On the southeast corner of granite base of the westernmost marble column at the entrance to the Vineland Trust Company's building on the north side of Landis Avenue, one block east of the Pennsylvania Railroad station.

VINELAND.

Eleva., 115.74 ft.

This bench mark is a cross cut on east end of stone door sill of entrance to First M. E. Church, on northeast corner of Landis Avenue and Seventh Street.

VINELAND.

Eleva., 118.00 ft.

This bench mark is a cross cut on east end of front or north door sill of First Baptist Church, on south side of Landis Avenue.

SECONDARY BENCH MARKS.¹**BRIDGETON.**

44.7 ft.

Westerly rail of crossing at Irving Avenue station of the Pennsylvania Railroad.

BRIDGETON.

68.7 ft.

Northwesterly rail of Pennsylvania Railroad at diagonal crossing about one-half mile south of the crossing of the Pennsylvania and Central Railroads north of Bridgeton.

BRIDGETON.

91.5 ft.

Southeast frog of crossing of the West Jersey and Seashore Railroad and the Central Railroad about two miles north of Bridgeton.

FINLEY.

116.0 ft.

Westerly rail of crossing just north of mile post 33-6, between Husted and Finley stations.

FINLEY.

104.4 ft.

Westerly rail of crossing about three-quarters of a mile north of station.

FINLEY.

113.9 ft.

Point of frog of siding into Seabrook farm about 0.35 mile north of the station.

FINLEY.

109.6 ft.

Easterly rail of crossing at the station.

FINLEY.

109.4 ft.

Point of frog of siding 50 feet south of station.

FINLEY.

103.6 ft.

Easterly rail of diagonal crossing, three-quarters of a mile southerly from the station.

HUSTED.

97.1 ft.

East rail of diagonal crossing 0.3 mile northerly from the station.

HUSTED.

98.9 ft.

West rail of crossing on north side of station.

HUSTED.

100.8 ft.

West rail of crossing 200 yards south of the station.

NORTH VINELAND.

97.3 ft.

West rail of crossing at the station.

ESSEX COUNTY.²**BELLEVILLE.**

Eleva., 32.97 ft.

A cross cut east of the iron fence, nearly in the center of the first coping stone, at the south end of the west parapet of the bridge which carries Washington Avenue over Second Street.

¹"Rail at crossing" refers to rail joint, if there is no rail joint at crossing. Elevation is taken on top of rail in center of roadway.

²Supersedes all previous lists for Essex County.

- BELLEVILLE.** Eleva., 111.63 ft.
A cross cut in the east corner of the sill of the first window west of the front entrance to Montgomery School No. 2, which stands on the north side of Montgomery Avenue, about 500 feet east of the bridge which carries said avenue over the Morris Canal.
- BEAUFORT (STATION).** Eleva., 209.96 ft.
A cross on the cement platform at the northwest corner of the Morristown and Erie Railroad station.
- BEAUFORT (STATION).** Eleva., 230.83 ft.
A cross 1.1 feet below the rail on the northwest corner at the north end of concrete abutment of the Morristown and Erie Railroad bridge over highway about .35 mile east of the station.
- BEAUFORT (STATION).** Eleva., 219.52 ft.
A cross 40 feet south of the rail on the highest point at the south end on a large circular culvert under the Morristown and Erie Railroad about 0.4 mile east of the station. The culvert is about 200 feet east of a highway.
- BLOOMFIELD.** Eleva., 141.32 ft.
A cross cut in the west end of stone sill of the middle of the three front doors of the old Presbyterian Church.
- BLOOMFIELD.** Eleva., 132.75 ft.
A cross cut in the extreme northwest corner of a large flat stone in the north end of the east abutment, upon which rests the east end of the north truss of the iron bridge which carries the Greenwood Lake Branch of the Erie Railroad over the Morris Canal.
- BLOOMFIELD.** Eleva., 181.19 ft.
A cross cut in the northwest corner of the west abutment, about six feet four inches above the towpath, of the bridge carrying the first road north of plane No. 11 over the Morris Canal.
- BLOOMFIELD.** Eleva., 183.88 ft.
This bench mark is on the northeast corner of the west abutment of a bridge which carries a road over the Morris Canal about two and three-eighths miles north of the old Presbyterian Church. On this corner are two letters cut on the stone: "J. W." The point is on the "W." The west end of the north truss of the bridge rests upon this stone.
- BLOOMFIELD.** Eleva., 177.52 ft.
A cross cut in the lowest step of the north wing wall of the west abutment of the bridge which carries a road over the Morris Canal at Brookdale.
- BLOOMFIELD.** Eleva., 168.49 ft.
A cross cut in the most westerly coping stone (five inches from the iron post of the hand rail) of the south wing wall of the west abutment of the bridge which carries a road over Yantecaw, or Third River, at Brookdale.
- BLOOMFIELD.** Eleva., 182.15 ft.
A cross cut in the water table, between the two pilasters, to the right of the entrance to the public-school building at Brookdale.
- BLOOMFIELD.** Eleva., 128.97 ft.
A cross cut in the south end of the door sill of the Broad-street entrance to the Bloomfield National Bank Building, which stands on the northwest corner of Bloomfield Avenue and Broad Street.
- BLOOMFIELD.** Eleva., 150.46 ft.
This bench mark is the top of a round knob cut in the southeast corner of a brownstone monument standing in front of Christ Episcopal Church, at the junction of Bloomfield Avenue and Liberty Street.

- CALDWELL.** Eleva., 407.68 ft.
A cross on the extreme northerly end of window sill of the first window from the street on the westerly face of Fire House, a brick structure on the southerly side of Roseland Avenue about 200 feet from Bloomfield Avenue.
- CALDWELL.** Eleva., 411.79 ft.
A cross on the outer corner at the north end of door sill of the tower entrance on the easterly face of the First Presbyterian Church.
- CALDWELL.** Eleva., 402.90 ft.
A cross immediately below the granite base of the north column on the outer corner at the north end of large door sill of the Bloomfield Avenue entrance to Citizens National Bank at 333 Bloomfield Avenue.
- CALDWELL.** Eleva., 412.93 ft.
A cross immediately below the stone base of north lamp-post on the outer corner at the north end of large stone door sill of the main entrance to the Caldwell National Bank on Bloomfield Avenue opposite Roseland Avenue.
- CALDWELL.** Eleva., 416.61 ft.
A cross on the outer edge at the center of bluestone sill of basement window at the right of the Bloomfield Avenue entrance to the Public Library near Roseland Avenue.
- CALDWELL.** Eleva., 433.48 ft.
A cross one foot out from the building and seven feet from the northwest corner, on flagstone coping of stairway leading to the basement of the Erie Railroad station. The mark is the same elevation as the top of the blue sandstone over the cellar door.
- CALDWELL.** Eleva., 473.69 ft.
A cross on the northwest corner of stone into which the foot-bolt of the west gate drops when open—at the south entrance near Bloomfield Avenue to grounds of the Essex County Prison east of the railroad station.
- CEDAR GROVE.** Eleva., 300.03 ft.
A cross seven feet from the girder on the southwest corner of the bridge seat at the south end of east concrete abutment of the Erie Railroad bridge over the highway just east of the station.
- CEDAR GROVE.** Eleva., 285.70 ft.
A cross on the center of the east concrete parapet of arch highway bridge over Peckmans Brook just east of the railroad station and south of the tracks.
- CEDAR GROVE.** Eleva., 300.82 ft.
A cross on the outer corner at the west end of blue sandstone door sill of double-door basement entrance on the north face of the annex to Cedar Grove Public School on the main street, 400 yards south of the railroad station.
- CEDAR GROVE.** Eleva., 290.63 ft.
A cross on the northeast corner of bridge seat at the north end of west abutment of Erie Railroad bridge over Peckmans Brook—200 yards east of the station.
- EAST ORANGE.** Eleva., 181.86 ft.
A cross cut in the extreme north end of the third stone step from the top (and fourth from the bottom) behind a pilaster on the left of the entrance of the East Orange Free Public Library, which stands on the southeast corner of Main Street and Munn Avenue.

EAST ORANGE.

Eleva., 179.02 ft.

A cross cut in the southwest corner of the base of a polished column, standing on the right of the entrance to the Essex County Trust Company's building, which is on the southeast corner of Main Street and Arlington Avenue.

EAST ORANGE.

Eleva., 180.52 ft.

A cross cut in the extreme southwest corner of the top step of the most westerly entrance to the First Reformed Church, which stands on the southeast corner of Main and Halstead streets. This bench mark is vertically below the cross at the peak of the roof.

EAST ORANGE.

Eleva., 184.98 ft.

A cross cut in the northwest corner of the base of the most westerly of four columns standing in front of the People's Bank, which is located at the southwest corner of Main and Prospect Streets.

ESSEX FELLS.

Eleva., 360.14 ft.

A cross on the outer corner at the north end of bluestone door sill of entrance on the east face of E. Bault's store and dwelling, a cobblestone and shingle structure south of the Erie Railroad at the station.

ESSEX FELLS.

Eleva., 356.36 ft.

A cross on the outer corner at the west end of the first cement step below the top of stairway leading to basement on the southerly side and at the southeast corner of the Erie Railroad station.

ESSEX FELLS.

Eleva., 362.28 ft.

A cross seven feet from the girder on the southeast corner of bridge seat at the south end of west concrete abutment of Erie Railroad bridge over roadway about 500 feet easterly from the station.

ESSEX FELLS.

Eleva., 389.33 ft.

A cross on the outer corner of the southerly end of sandstone door sill of front entrance on the west face of offices of the Essex Fells Electric Light and Water Company on the southeast corner of Oak Lane and Roseland Avenue. The entrance faces Oak Lane but is approached from the Avenue.

ESSEX FELLS.

Eleva., 392.34 ft.

A cross near the outer edge six inches from the easterly end of bluestone door sill of Roseland Avenue entrance to the Borough Hall, near Oak Lane.

GLEN RIDGE.

Eleva., 194.63 ft.

A cross cut in the west end of the stone sill of the most westerly window, on the south or Bloomfield Avenue side of the High School building, which is at the northwest corner of Bloomfield and Ridgewood Avenues.

GLEN RIDGE.

Eleva., 187.09 ft.

A cross, with the letters "B. M." cut in the north end of the brownstone coping of the west wall of the arch bridge which carries Ridgewood Avenue over Second River. This bridge is about 150 feet from Bloomfield Avenue.

GLEN RIDGE.

Eleva., 226.10 ft.

A cross cut in the east end, inside of the hand rail, of the north abutment (at the junction with the east wing wall) of the iron bridge which carries the Parkway over Second River and the Delaware, Lackawanna and Western Railroad.

MAPLEWOOD.

Eleva., 130.27 ft.

A cross cut in the extreme west end of the north wing wall of the west abutment of a bridge which carries Parker Avenue over the East Branch of Rahway River.

MAPLEWOOD.

Eleva., 118.40 ft.

A cross cut in the east end of the north wing wall of the east abutment of the bridge which carries Oakland Avenue over the East Branch of Rahway River.

MAPLEWOOD.

Eleva., 109.77 ft.

A cross cut in the west end of the coping of the north wing wall of the east abutment of the bridge which carries Baker Avenue over the East Branch of Rahway River.

MAPLEWOOD.

Eleva., 133.86 ft.

A cross cut in the west end of the door sill, of the only entrance on the south or rear side, to the first or main floor of the public school building, which stands on the south side of Baker Avenue, just east of the Delaware, Lackawanna and Western Railroad.

MAPLEWOOD.

Eleva., 97.35 ft.

A cross cut in a level place at the west end of the coping of the north wing wall of the west abutment of the bridge which carries Milburn Avenue over the East Branch of Rahway River.

MILBURN.

Eleva., 133.10 ft.

A cross cut in the east end of the coping of the north parapet of the arch bridge which carries Milburn Avenue over Rahway River, in Milburn.

MILBURN.

Eleva., 131.55 ft.

A cross cut in the south end (six inches from the outer edge) of the door sill of the Main Street entrance to the banking department of the First National Bank building.

MILBURN.

Eleva., 146.24 ft.

A cross cut in the southwest corner of the stone base (near the east street curb) upon which rests the middle of three iron pillars supporting the east end of the bridge which carries the Delaware, Lackawanna and Western Railroad over Main Street.

MONTCLAIR.

265.10 ft.

A cross on the outer corner at the north end of blue sandstone door sill of entrance to office of the New Jersey Coated Paper Company's plant just north of the Erie Railroad station and west of the tracks.

MONTCLAIR.

Eleva., 244.07 ft.

On the outer corner at the southeast end of granite door sill of the main entrance on Bloomfield Avenue to the Delaware, Lackawanna and Western Railroad station.

MONTCLAIR.

Eleva., 309.79 ft.

A cross on the northwest corner of bridge seat at the west end of north abutment of Erie Railroad bridge over highway just north of Watchung Avenue station.

MONTCLAIR.

Eleva., 308.94 ft.

A cross on the level of the top step on the concrete base of iron post of railing at the right hand of stairs leading to street, and near the north face of the Watchung Avenue station on the west side of the tracks of the Erie Railroad.

MONTCLAIR.

Eleva., 240.54 ft.

A cross cut in the north wall (near the southwest corner of a concrete post, measuring 2.7 feet x 1.2 feet) at the east end of the concrete bridge which carries Bloomfield Avenue over the Delaware, Lackawanna and Western Railroad. The concrete post is at the junction of the north parapet with the northeast retaining wall.

MONTCLAIR.

Eleva., 250.53 ft.

A cross cut in the extreme west end of the stone door sill (five inches from a pilaster and near the junction of the west stone balustrade with the building) at the Bloomfield Avenue entrance to the telephone building, which is on the southwest corner of Bloomfield and Gates Avenues.

MONTCLAIR.

Eleva., 296.64 ft.

A cross cut in the northwest corner of the base of the most easterly of two columns standing in front of the Bank of Montclair building, which is located at 491 Bloomfield Avenue, on the north side of the street and about 180 feet west of north Fullerton Avenue. The column, on the base of which the cross is cut, stands between two windows.

MONTCLAIR.

Eleva., 298.19 ft.

A cross cut in the east end of the base of a pilaster (4.3 feet from doorway and 1.5 feet above the sidewalk) on the east or left of Bloomfield Avenue entrance to the Young Men's Christian Association building.

MONTCLAIR.

Eleva., 333.01 ft.

A cross cut in the south end of the water table (3.25 feet north of pilaster and two feet above the ground) on the west or Bell Street side of the Public Service car barns, which stand at the northeast corner of Bloomfield Avenue and Bell Street.

MONTCLAIR HEIGHTS.

Eleva., 400.96 ft.

A cross on the outer corner at the south end of blue sandstone window sill of the most southerly window on the west face of the boiler house of the State Normal School east of the tracks about 400 yards northeast of the Erie Railroad station.

MONTCLAIR HEIGHTS.

Eleva., 375.78 ft.

A cross on the cement platform at the center of the north face of the Erie Railroad station on the east side of the tracks.

NEWARK.

Eleva., 15.84 ft.

A cross cut in the fourth step from the bottom (or the eleventh step from the top) on the south end of the west abutment of the bridge which carries the Lehigh Valley Railroad over Frelinghuysen Avenue.

NEWARK.

Eleva., 12.65 ft.

A cross cut in the east end of the door sill of the Fenwick Avenue entrance to Engine House No. 19 of the Newark Fire Department, which stands on the northeast corner of Frelinghuysen and Fenwick Avenues.

NEWARK.

Eleva., 24.62 ft.

A cross cut in the south end of the door sill of the front entrance to the German Methodist Church, at the northeast corner of Walnut and Mulberry Streets.

NEWARK.

Eleva., 38.47 ft.

A cross cut in the west end of the middle step of three at the Academy Street entrance to the Newark Post Office, which stands on the northwest corner of Broad and Academy Streets. The cross is six inches from west wall, four inches from back, and eight inches from edge of step.

NEWARK.

Eleva., 41.68 ft.

A cross cut in the water table of the Newark City Hall, about thirteen and five-tenths feet above the street, two and one-third feet above the platform approach, eighteen and eleven-twelfths feet south from the south edge of the most southerly entrance, and ten and one-half inches north of the junction of the south stone balustrade with the building.

NEWARK.

Eleva., 68.07 ft.

A cross cut in the northeast corner of the square marble base of the most northerly of two columns at the north, or left side, of the High Street entrance to the Essex County Courthouse.

NEWARK.

Eleva., 109.92 ft.

A cross cut in a brownstone base at the foot of the north end of the east truss of the bridge which carries Summit Street over the Morris Canal, at the upper end of the inclined plane.

NEWARK.

Eleva., 119.10 ft.

A cross cut in the northeast corner of the stone on which the east end of the north truss rests, in the end of the east abutment of the bridge which carries Sussex Avenue over the Morris Canal.

NEWARK.

Eleva., 132.93 ft.

A cross cut in the south end of the brownstone door sill of the Jay street entrance to the First Infantry Armory, which stands on the south side of Central Avenue between Jay and Hudson Streets. This cross is two and one-half inches from the south wall of the entrance, five inches from edge of sill and eight inches from door jamb.

NEWARK.

Eleva., 120.11 ft.

A cross cut in the southeast corner of the base of the column against the south wall of the building (four feet back from the corner column) of Engine House No. 15, of the Newark Fire Department, which stands on the north side of Park Avenue, between Sixth and Seventh Streets. The cross is on the northeast column of three, at the entrance to the building.

NEWARK.

Eleva., 117.61 ft.

This bench mark is the pointed top of a concrete post in the middle of the south parapet of the concrete bridge which carries Bloomfield Avenue over a driveway and stream in Branch Brook Park.

NEWARK.

Eleva., 117.58 ft.

This bench mark is the pointed top of a concrete post in the middle of the north parapet of the concrete bridge carrying Bloomfield Avenue over a driveway and stream in Branch Brook Park.

NEWARK.

Eleva., 120.13 ft.

A cross cut in the north end of the east abutment (near the east end of the north truss) of the bridge which carries the Orange Branch of the Erie Railroad over the Morris Canal at Forest Hill. The cross is 2.83 feet from the end of truss, three inches from edge and 5.42 feet from the northwest corner of the abutment.

NEWARK.

Eleva., 103.52 ft.

A cross cut in the north end of the door sill of the most southerly entrance (near circular tower) to Tiffany and Company's factory opposite Forest Hill Station of the Greenwood Lake Branch of the Erie Railroad.

NEWARK.

Eleva., 187.52 ft.

A cross cut in the north end of the stone door sill of the most southerly Seventh Street entrance of Fire House No. 11 of the Newark Fire Department, which stands on the corner of Central Avenue and Seventh Street.

ORANGE.

Eleva., 195.68 ft.

This bench mark is the extreme northeast corner of the base of the Soldiers' and Sailors' Monument, standing at the junction of Main and South Main Streets, at the intersection of Prince Street.

ORANGE.

Eleva., 191.04 ft.

A cross cut in the west end of the door sill of the Main Street entrance to the Young Men's Christian Association building, which stands on the north side of Main Street, east of Park Street. The entrance is at the west end of the building.

ORANGE.

Eleva., 184.64 ft.

A cross cut in the south end of the sill, on Center Street side, of the corner window, formerly an entrance to the Public Service building, which stands on the southeast corner of Main and Center Streets.

ORANGE.

Eleva., 190.74 ft.

A cross cut in the southeast corner (0.35 foot from wall, 0.55 foot from end and 3.35 feet from a stone lamp post) of the stone platform at the left of the entrance of the Orange National Bank, which is located one door east of the southwest corner of Main and Cone Streets.

ORANGE.

Eleva., 196.42 ft.

A cross cut on the west end of the door sill of the main, or middle, entrance (directly under the steeple) of the First Presbyterian Church, which stands on the northwest corner of Main and Day Streets.

ORANGE.

Eleva., 219.84 ft.

This bench mark is a point on the extreme northwest corner of the base of the monument to the "Dispatch Rider of the American Revolution." This monument stands on the northeast corner of the cemetery, at the southwest corner of Main and Scotland Streets.

ORANGE.

Eleva., 18.27 ft.

A cross cut in the south end of the door sill of the left entrance to the waiting rooms of the Highland Avenue Station of the Delaware, Lackawanna and Western Railroad.

OVERBROOK.

Eleva., 376.12 ft.

A cross on the outer corner at the easterly end of bluestone door sill of entrance on the northeast face of workshop or employment building near the railroad and crossing at the Essex County Hospital.

OVERBROOK.

Eleva., 369.17 ft.

A cross near the outer corner of bridge seat at the westerly end of southerly concrete abutment of Erie Railroad bridge over highway 250 yards southwest of the station at the Essex County Hospital.

OVERBROOK.

Eleva., 359.28 ft.

A cross on the outer corner at the northwest end of blue sandstone door sill of entrance on the southerly face of the Chemical Laboratory of the Essex County Hospital. The building is of red brick and is 100 feet northeast of the railroad station on the westerly side of the tracks.

ROSELAND.

Eleva., 255.81 ft.

A cross in the center of the northerly concrete parapet of Morris-town and Erie Railroad culvert about one-half mile southwest of the crossing at Roseland.

SOUTH ORANGE.

Eleva., 168.95 ft.

A cross cut in the south end of the coping of the west wall of an arch bridge which carries Scotland Street over a small brook, about 125 feet north of South Orange Avenue.

SOUTH ORANGE.

Eleva., 193.15 ft.

This bench mark is a point taken on the east end of door sill (close to outer edge and six inches from east wall of doorway) of the rear entrance from South Orange Avenue to the First Presbyterian Church. This church stands on the point formed by the junction of South Orange and Irvington Avenues with Academy Street.

SOUTH ORANGE.

Eleva., 189.70 ft.

A cross cut in the extreme west end of a stone sill (at a point where it projects from the surface of the wall) of the most westerly window on the north side of the first ell or wing, north from First Street, of the Columbia School building, which stands on the west side of and facing Academy Street, between Irvington Avenue and First Street. There are three wings running back from the main building with two courts. The window sill on which the bench mark was left is the rear of the school building on the court side of the first wing north of First Street.

SOUTH ORANGE.

Eleva., 154.82 ft.

A cross cut in the concrete foundation, on the Vose Avenue side, between the corner show window and a column supporting the southeast corner of the Decker Building, which stands on the northwest corner of South Orange and Vose Avenues.

SOUTH ORANGE.

Eleva., 137.91 ft.

A cross cut in a shelf (7.5 feet above the river and 1.3 feet below the footpath of the bridge) upon which rests the east end of I-beam, on the north end of the east abutment of the bridge which carries South Orange Avenue over the East Branch of Rahway River. There is also another cross cut in the west end of the north wing wall of the east abutment, 1.25 feet higher. This cross is directly above the bench mark, and must not be confused with it.

UPPER MONTCLAIR.

Eleva., 362.26 ft.

A cross on the outer corner at the north end of brown sandstone door sill of the most southerly entrance on the east face of the Mountain Avenue station of the Erie Railroad. The building is west of the tracks.

UPPER MONTCLAIR.

Eleva., 351.51 ft.

A cross nine feet from the east end and 0.6 feet below the top, on a ledge of stone on the north face of the south parapet of highway culvert west of the tracks just north of the Erie Railroad station.

UPPER MONTCLAIR.

Eleva., 346.18 ft.

A cross on the northwest corner at the north end of blue sandstone coping of the wall supporting the most westerly set of wooden columns of driveway porch on the west side of the Erie Railroad station.

UPPER MONTCLAIR.

Eleva., 341.03 ft.

A cross on the outer corner at the south end of door sill of single and center entrance to the Fire House, a stone and brick structure on the west side of Valley Road about 100 yards south of Bellevue Avenue.

VERONA.

Eleva., 457.78 ft.

A cross 0.6 feet above the rail on a ledge of stone 17 feet from the east end and on the north face of south abutment of Bloomfield Avenue bridge over the Erie Railroad three-tenths of a mile westerly from the station.

VERONA.

Eleva., 424.80 ft.

A cross five feet from the northeast corner of structure and 1.8 feet above the sidewalk on the outer corner at the northeast end of the most easterly window sill on the north face of the school building of the "Boys City Home" of Newark one-half mile northeast of the Erie Railroad station and on the southerly side of the track. The building is the one nearest Fairview Avenue.

WYOMING.

Eleva., 100.44 ft.

A cross cut in the coping, five feet from the east end of the north parapet, of an arch bridge which carries a road leading from Milburn Avenue to Headleytown over East Branch of Rahway River. This road joins Milburn Avenue 200 feet east of the junction of Ridgewood Road and Milburn Avenue. The bridge is 350 feet southeast from Milburn Avenue.

SECONDARY BENCH MARKS.¹

BEAUFORT (STATION).	193.7 ft.
Easternmost joint of north rail at Passaic River bridge about one-quarter mile west of station.	
BEAUFORT (STATION).	208.3 ft.
North rail of crossing at the station.	
CALDWELL.	413.6 ft.
North rail of Erie Railroad crossing 0.3 mile west of station.	
CALDWELL.	432.9 ft.
Rail at Erie Railroad station.	
CEDAR GROVE.	306.5 ft.
Rail at station.	
ESSEX FELS.	359.4 ft.
Southerly rail of Erie Railroad crossing at the station.	
MONTCLAIR.	265.1 ft.
West rail of crossing just north of Erie Railroad station.	
MONTCLAIR HEIGHTS.	377.0 ft.
West rail of southbound track at Erie railroad station.	
ROSELAND.	288.5 ft.
North rail of M. and E. Railroad crossing.	
UPPER MONTCLAIR.	342.1 ft.
West rail of southbound track of Erie Railroad at crossing south of the station.	
VERONA.	459.2 ft.
Rail at station.	

GLOUCESTER COUNTY.²

ASBURY STATION.	Eleva., 31.33 ft.
A cross eight feet southeast of the rail and 1.1 feet lower at the easterly end of southwest concrete abutment of railroad bridge over stream 1.2 mile northeast of the station.	
AURA.	Eleva., 146.27 ft.
Top of corner stone set in the foundation at the southwest corner of the M. E. Church at the railroad station.	
BRIDGEPORT.	Eleva., 9.87 ft.
A cross cut in the top of the south foundation bolt set in the north-east concrete pier supporting steel frame of railroad water tank 20 feet south of the track just east of the station.	

¹"Rail at station" means rail joint nearest the center of the station. "Rail at crossing" means rail joint; if there is no rail joint at the crossing the elevation is taken on the rail in the center of the roadway. Elevations are given to the nearest tenth of a foot, except when otherwise noted.

²Supersedes all previous lists for Gloucester County.

- BRIDGEPORT.** Eleva., 10.40 ft.
Copper bolt in monument at the southwest corner of the railroad station.
- BRIDGEPORT.** Eleva., 9.12 ft.
A cross on the northwest corner of the northeast concrete pier supporting steel frame of high water tank of the Bridgeport water works opposite the railroad station.
- BRIDGEPORT.** Eleva., 8.24 ft.
A cross on the outer corner of bridge seat at the south end of west concrete abutment of railroad bridge over Raccoon Creek west of the station.
- CENTER SQUARE.** Eleva., 7.08 ft.
A cross on the northwest corner of concrete base of signal on the north side of the track 0.65 mile southwest of the railroad station or 150 yards northeast of the bridge over Oldman Creek.
- CENTER SQUARE.** Eleva., 21.33 ft.
A cross on the high point of quartz boulder in front of store and post office on the southwest corner of the crossroads in the village.
- CENTER SQUARE.** Eleva., 23.80 ft.
A cross on the outer corner at the west end of door sill of main entrance to Union M. E. Church, a red-brick structure southwest of the crossroads in the village.
- CLARKSBORO.** Eleva., 67.28 ft.
A cross on the outer corner at the east end of cement window sill of the most easterly window on the south face of Fire House No. 1, a cement block structure between the village and the railroad station.
- CLARKSBORO.** Eleva., 64.53 ft.
Top edge of date stone (1880) set in the foundation at the southwest corner of Zion Church, a frame structure between the village and the railroad station.
- CLARKSBORO.** Eleva., 54.90 ft.
Copper bolt in monument at the northeast corner of the railroad station.
- CLAYTON.** Eleva., 130.49 ft.
A cross on the outer corner at the east end of door sill of entrance on the north face of the high school on the easterly side of the railroad, north of the station.
- CLAYTON.** Eleva., 125.36 ft.
Copper bolt set in the south end of door sill of the most southerly entrance on the west face of the West Jersey and Seashore Railroad station.
- CLAYTON.** Eleva., 132.84 ft.
A cross on the south end of marble window sill of the most southerly window on the west face of Fire House, a brick structure two blocks east of the railroad station.
- CLAYTON.** Eleva., 136.10 ft.
A cross on the outer corner at the south end of sandstone door sill of entrance to the Clayton National Bank on the southeast corner of the crossroads, three blocks east of the railroad station. The mark is on the raised portion of the sill.
- DOWNER** Eleva., 150.54 ft.
A cross on the outer corner at the north end of large brownstone door sill of main entrance to the M. E. Church, a stone building 300 yards north of the railroad station.

DOWNER.

Eleva., 149.48 ft.

Bottom edge of marble corner stone set in the foundation at the north-west corner of the M. E. Church, 300 yards north of the railroad station.

FRANKLINVILLE.

Eleva., 107.72 ft.

Copper bolt in monument at the northwest corner of the railroad station platform.

FRANKLINVILLE.

Eleva., 108.90 ft.

A cross on the southeast corner of concrete wall around pump and well at the south face of the railroad station.

FRANKLINVILLE.

Eleva., 106.11 ft.

A cross on the inner corner, next to the building, at the south end of cement step at entrance on the west face of the hotel east of the station

FRANKLINVILLE.

Eleva., 97.59 ft.

A cross on the outer corner at the east end of north concrete parapet of slab bridge over Little Ease River, one-quarter mile southeast of the railroad station. The mark is at the end of the iron railing and the bridge is in the road leading direct to Malaga.

FRANKLINVILLE.

Eleva., 100.02 ft.

A cross on concrete foundation at the southwest corner of brick school house, one-quarter mile east of the railroad station.

GIBBSTOWN.

Eleva., 17.78 ft.

A cross on the outer corner at the east end of door sill of entrance on the north face of public school building, south of the railroad track on the main highway between Green's Station and Gibbstown.

GIBBSTOWN.

Eleva., 12.37 ft.

Copper bolt in monument at the southeast corner of freight house of the Pennsylvania Railroad.

GIBBSTOWN.

Eleva., 16.13 ft.

A cross on the south end of basement window sill under the tower and on the west face of the Gibbstown M. E. Church, a stone structure at the crossroads south of the railroad station.

GLASSBORO.

Eleva., 151.30 ft.

A cross on the outer corner at the southerly end of door sill of corner entrance to the First National Bank on the corner of Main and High Streets.

GLASSBORO.

Eleva., 151.76 ft.

A cross on the south end of granite window sill of the most southerly window on the east face of Fire House on High Street near Main.

GLASSBORO.

Eleva., 147.15 ft.

A cross on the outer corner at the east end of door sill of single door entrance to Fire House on High Street near Main.

GLASSBORO.

Eleva., 149.40 ft.

A cross next to the brick work on the extreme southerly end of cement door sill of entrance on the east face of the High School located on High Street, 100 yards west of Main.

GLASSBORO.

Eleva., 151.93 ft.

A cross on the northeast corner of cement wall around opening for steps in the easterly platform of the West Jersey and Seashore Railroad station.

GREENS STATION.

Eleva., 15.16 ft.

Copper bolt in monument on the east side of the highway and north of the track.

- HARDING.** Eleva., 141.65 ft.
Copper bolt in concrete monument at the southwest corner of the railroad station.
- HARRISONVILLE.** Eleva., 54.94 ft.
Copper bolt in monument at the north face of the railroad station.
- IONA.** Eleva., 92.30 ft.
A cross on the outer corner of bedplate stone on which rests the south end of the west girder of railroad bridge over Scotland Run about 0.6 mile south of the station.
- MALAGA.** Eleva., 106.74 ft.
A cross on the southwest corner of the most southerly of two concrete piers of signal frame on the west side of the tracks just north of the railroad station.
- MALAGA.** Eleva., 107.33 ft.
A cross on the southwest corner of concrete wall around well and pump at the north end of the station.
- MICKLETON.** Eleva., 55.37 ft.
A cross on the southeast corner of concrete wall encasing well at the southeast corner of the railroad station.
- MICKLETON.** Eleva., 69.34 ft.
A cross on the flagstone curbing around porch floor at the base of the left-hand iron post of porch as you enter the most westerly door on the south face of the Friends Meeting House at the crossroads in the village.
- MOUNT ROYAL.** Eleva., 36.47 ft.
On the outer corner, 0.65 feet above the sidewalk, at the westerly end of cement step of entrance to post office and store on the southerly side of the main street at the junction with the road to the railroad station in the village.
- MULLICA HILL.** Eleva., 52.35 ft.
A cross 3.3 feet south of and 1.33 feet below the rail of track on the east concrete abutment of Reading Railroad bridge over Raccoon Creek just east of the station.
- MULLICA HILL.** Eleva., 52.48 ft.
A cross on the cement cap at the north end of east parapet of concrete highway bridge over Raccoon Creek about 100 feet north of the railroad at the station.
- MULLICA HILL.** Eleva., 96.31 ft.
Top of iron mile post reading "7M. to W." at the right of the entrance to grounds of the Friends Meeting House at the junction of the main street and the Woodstown road. The post is immediately at the iron fence.
- MULLICA HILL.** Eleva., 105.49 ft.
A cross on the outer corner at the north end of cement door sill of entrance on the east face of the public school, a brick and stone structure on the Woodstown road near the Friends Meeting House.
- MULLICA HILL.** Eleva., 58.15 ft.
On the outer corner at the north end of door sill of main entrance to the Farmers National Bank, about 300 yards north of the railroad station.
- MULLICA HILL.** Eleva., 69.82 ft.
On the outer corner at the north end of cement door sill of main entrance to the Episcopal Church on the east side of the main street north of the railroad station.

MULLICA HILL.

Eleva., 34.33 ft.

A cross on small ledge of stone 0.54 feet below the top and at the northeast corner of north parapet of highway culvert over a branch of Raccoon Creek, 1.8 miles west of Mullica Hill on the Swedesboro road which runs north of and parallel to Raccoon Creek.

NEWFIELD.

Eleva., 93.98 ft.

A cross on the center of the west parapet of concrete highway bridge on the west side of the railroad about 0.7 mile north of the station.

NEWFIELD.

Eleva., 115.49 ft.

A cross on the southeast corner of the most southerly of two concrete piers supporting signal frame on the west side of the railroad about 250 yards north of the station.

NEWFIELD.

Eleva., 115.55 ft.

A cross on the outer corner of the extreme north end of granite door sill of entrance on the west face of the Edgerton school, a yellow-brick structure about 0.35 mile east of the railroad station.

NEWFIELD.

Eleva., 116.45 ft.

A cross on the outer corner at the north end of door sill of entrance on the west face of the compressor house of the railroad signal system. The structure is on the south side of the crossing just north of the station.

NEWFIELD.

Eleva., 115.92 ft.

A cross on the northwest corner of concrete wall around pump at the north face of the railroad station.

OGDEN STATION.

Eleva., 13.24 ft.

A cross on the center of east parapet of concrete highway bridge just south of the station.

PAULSBORO.

Eleva., 11.87 ft.

A cross on the south end of door sill of the most southerly entrance on the west face of public school on the east side of Delaware Avenue at Washington Street.

PAULSBORO.

Eleva., 14.13 ft.

A cross on the outer corner at the north end of door sill of tower entrance of St. Paul's M. E. Church on the corner of Delaware Avenue and Broad Street.

PAULSBORO.

Eleva., 12.80 ft.

A cross on the outer corner at the east end of door sill of entrance to the First National Bank on the south side of Broad Street east of Delaware Avenue.

PAULSBORO.

Eleva., 5.89 ft.

A copper disc set in the concrete on the south end of west abutment of Broad Street bridge over Mantua Creek. This is a bench mark of the United States Engineers.

PAULSBORO.

Eleva., 14.45 ft.

A cross on the outer corner at the west end of door sill of entrance on the south face of the Paulsboro High School, on Delaware Avenue northerly from the railroad station.

PITMAN.

Eleva., 137.78 ft.

A cross on the outer corner at the south end of door sill of entrance to waiting room on the west face of the railroad station.

PITMAN.

Eleva., 127.97 ft.

On the outer corner at the north end of door sill of entrance to Pitman National Bank facing the park at the railroad station.

- PITMAN.** Eleva., 128.06 ft.
On the southeast corner of base stone of the most southerly of two large columns at the entrance to the Pitman National Bank.
- PITMAN.** Eleva., 142.65 ft.
A cross on the outer corner at the south end of door sill of entrance on the west face of the annex to public school building. The annex is at the north face of the structure at the corner of Holly and Mt. Vernon Avenues.
- PITMAN.** Eleva., 142.60 ft.
Top edge of brown sandstone base at the northwest corner of public school building on the corner of Holly and Mt. Vernon Avenues. The elevation is on the level of the basement window sills.
- RADIX.** Eleva., 139.12 ft.
On the center of cement cap of the east cement block post at steps leading to porch of farmhouse on the south side of the highway 50 yards east of the railroad station.
- RICHWOOD.** Eleva., 152.76 ft.
A cross next to the door jamb on the cement floor at the right side of large double door entrance to a garage on the southeast corner of the crossroads.
- SEWELL.** Eleva., 67.56 ft.
Next to the building on the north end of the top cement step at the corner entrance of a two story frame structure 100 feet easterly from the railroad on the north side of the highway at the station. The point is 0.66 feet below the wooden door sill.
- SEWELL.** Eleva., 31.98 ft.
A cross 6.8 feet below the bridge floor on the northwest corner of flagstone coping at the north end of easterly pier of highway bridge over Chestnut Branch of Mantua Creek about one-quarter mile southwest of the railroad station.
- SEWELL.** Eleva., 65.90 ft.
On the outer corner at the north end of cement door sill of entrance under the porch and on the easterly face of a brick dwelling on the northwest corner of Atlantic Avenue and Cumberland Boulevard on the westerly side of the railroad and about 300 yards north of the station.
- SWEDESBORO.** Eleva., 15.42 ft.
A cross 3.6 feet from the iron railing of sidewalk on the outer corner of cement cap at the north end of westerly abutment of Main Street bridge over Raccoon Creek on the east edge of the town. The mark is above the bridge seat.
- SWEDESBORO.** Eleva., 34.92 ft.
A cross on the outer corner at the easterly end of marble door sill of entrance in the southerly face of the Presbyterian Church on the corner of Main and Church Streets.
- SWEDESBORO.** Eleva., 39.66 ft.
A cross on the outer corner at the northeast end of large door sill of front entrance to the public school, a stone building on Main Street.
- SWEDESBORO.** Eleva., 42.47 ft.
On the outer corner at the extreme northeast end of a large sill of Main Street entrance to the Swedesboro National Bank on the corner of Railroad Avenue.
- SWEDESBORO.** Eleva., 40.43 ft.
This bench mark is a cross cut on the southerly end of marble door sill of front door of brick M. E. Church near the northwest corner of Main Street and Railroad Avenue.

SWEDESBORO.

Eleva., 40.12 ft.

On the outer corner of the southwest end of door sill on Main Street entrance to the Swedesboro Trust Company's building on Main Street nearly opposite Railroad Avenue.

THOROFARE.

Eleva., 25.25 ft.

A cross on the outer corner at the west end of window sill of small window on the south face and on the left of the main entrance to public school, a stone structure one-quarter mile westerly from the railroad station.

WENONAH.

Eleva., 62.62 ft.

A copper bolt in north end of door sill of entrance to waiting room on the west face of the railroad station.

WENONAH.

Eleva., 59.39 ft.

Next to the building on the extreme westerly end of cement door sill of corner entrance to the Grosscup building, a one-story structure on the northwest corner of Mantua and West Jersey Avenues west of the tracks at the railroad station.

WENONAH.

Eleva., 62.55 ft.

A cross on the outer corner at the north end of sandstone door sill of entrance to waiting room on the east face of the railroad station..

WENONAH.

Eleva., 74.43 ft.

A cross on the outer corner at the east end of door sill of the most easterly entrance on the north face of the Presbyterian Church on Main Street, two blocks east of the railroad station.

WENONAH.

Eleva. 84.06 ft.

A cross on the outer edge 0.4 feet from the east end of cement sill and top step at entrance to the alcove on the south face of a public school building on the northwest corner of Elm Street and North Clinton Avenue.

WESTVILLE.

Eleva. 11.25 ft.

A cross on the outer corner at the southwest end of marble door sill of entrance to waiting room on the east face of the railroad station.

WESTVILLE.

Eleva. 16.22 ft.

A cross on marble base stone, 17 feet measured southerly from the northwest corner of a brick structure on the easterly side of Broadway at the head of Pine Street. The building is occupied jointly by the First National Bank and a drug store, and the mark is immediately below the north edge of a brick wall between two large windows.

WESTVILLE.

Eleva., 17.99 ft.

The head of an arrow cut on the topmost point of a white sandstone strip set in the red brick wall at the southwest corner of the West Jersey and Seashore Railroad electric power house on the westerly side of the tracks north of the station.

WESTVILLE.

Eleva., 8.50 ft.

A cross on the northwest corner of bridge seat at the west end of south abutment of bridge carrying a West Jersey and Seashore Railroad spur track over Little Timber Creek just north of the signal tower, one mile north of the station.

WILLIAMSTOWN.

Eleva., 168.41 ft.

On the outer corner at the northwest end of cement door sill of entrance under the tower and at the northwest corner of the First Presbyterian Church, 100 yards northwest of the railroad station on the main street.

- WILLIAMSTOWN.** Eleva., 165.86 ft.
On the outer corner at the southwest end of cement door sill of rear entrance to Bennett's Department Store, a yellow-brick structure on the westerly side of the main street at the corner, one block southeast of the bank.
- WILLIAMSTOWN.** Eleva., 157.84 ft.
On the outer corner at the extreme northwest end of cement door sill of rear entrance on the easterly face of the First National Bank.
- WILLIAMSTOWN.** Eleva., 161.76 ft.
On the southeast end of stone window sill of the most southerly of four windows on the easterly face of the First National Bank.
- WILLIAMSTOWN.** Eleva., 166.89 ft.
A cross next to the brick work on the west end of sandstone door sill of entrance on the south face of Maple Grové Grammar School near the Church Street railroad station.
- WOLFERT STATION.** Eleva., 20.40 ft.
A cross on the outer corner of stone cap at the northeast end of north-west parapet of railroad culvert about 0.35 mile northeast of the station.
- WOODBURY.** Eleva., 37.59 ft.
This bench mark is a cross cut on the south end of stone door sill of front entrance of G. G. Green's brick laboratory, which faces the railroad just south of West Jersey Railroad depot.
- WOODBURY.** Eleva., 62.63 ft.
This bench mark is a cross cut on southeast corner of the lowest of three marble bases of soldiers' monument in front of court house.
- WOODBURY.** Eleva., 65.32 ft.
A cross on the outer corner at the north end of brown sandstone door sill of front entrance to the court house.
- WOODBURY.** Eleva., 61.86 ft.
A cross on the outer corner at the southerly end of granite door sill of the most northerly entrance on Broad Street to the M. E. Church just south of Cooper Street.
- WOODBURY.** Eleva., 57.77 ft.
A cross on the outer edge near the extreme north end of granite door sill of Broad Street entrance to the First National Bank just south of Cooper Street.
- WOODBURY.** Eleva., 58.25 ft.
A cross on the outer corner at the north end of door sill of Broad Street entrance to the Presbyterian Church corner of West Centre Street. The entrance is back under the porch.

SECONDARY BENCH MARKS¹.

- ASBURY STATION.** 55.6 ft.
Southeast rail of crossing.
- ASBURY STATION.** 47.76 ft.
A cross on the southwest corner of concrete base of signal on the easterly side of the railroad about 175 yards northeast of the station.
- AURA.** 144.99 ft.
A cross cut in the northwest corner of concrete base of signal on the west side of the track just north of the railroad station.

¹"Rail at station" refers to rail joint nearest center of station. "Rail at crossing" refers to rail joint if there is one; otherwise to height of rail at center of roadway.

AURA.	145.3 ft.
Westerly rail of track of second crossing north of the station.	
AURA.	147.12 ft.
On the outer corner at the west end of wooden door sill of front entrance to the M. E. Church at the railroad station.	
CENTER SQUARE.	5.3 ft.
North rail of crossing at the station.	
CLARKSBORO.	54.5 ft.
North rail of crossing at the railroad station.	
CLARKSBORO.	65.09 ft.
A cross on the cement sidewalk at the northwest corner of building used as a general store on the southeast corner of the crossroads, one-quarter of a mile southerly from the railroad station.	
CLAYTON.	126.6 ft.
East rail of north bound track of crossing, 15 yards south of the station.	
COOPER STATION.	9.8 ft.
South rail of crossing one-quarter mile east of.	
COOPER STATION.	18.4 ft.
North rail of crossing.	
DOWNER.	145.1 ft.
North rail of main track of crossing at the station.	
DOWNER.	147.34 ft.
Bottom edge of base board at the southwest corner of dwelling and store, 100 feet north of the railroad on the east side of the highway at the station.	
DOWNER.	139.9 ft.
North rail of crossing one mile northwest of station.	
FRANKLINVILLE.	107.2 ft.
West rail of south bound track crossing at the station.	
FRANKLINVILLE.	111.02 ft.
Bottom edge of corner strip at the northwest corner of Post Office opposite the railroad station.	
GIBBSTOWN.	11.6 ft.
North rail of crossing on the west side of the railroad station.	
GIBBSTOWN.	3.4 ft.
Southerly rail of crossing 0.5 mile west of the station.	
GLASSBORO.	147.27 ft.
A cross next to the building on the west end of cement step of the most westerly entrance on the south face of the Reading Railroad station.	
GLASSBORO.	146.4 ft.
North rail of crossing just west of the Reading Railroad station.	
GLASSBORO.	151.4 ft.
West rail of south bound track of Newfield branch at the crossing just north of the West Jersey and Seashore Railroad Station.	
GLASSBORO.	142.9 ft.
Northeast frog of crossing of the Reading Railroad and the Bridgeton Branch of the Pennsylvania Railroad about one-half mile southwest of the Pennsylvania station.	
GLASSBORO.	147.1 ft.
West rail of crossing at South Glassboro station.	

GLASSBORO.	143.9 ft.
East rail of crossing 0.8 mile south of South Glassboro station.	
GLASSBORO.	142.9 ft.
West rail of diagonal crossing 1.4 miles south of South Glassboro station.	
GREENS STATION.	14.5 ft.
North rail of crossing.	
HARDING.	141.4 ft.
West rail of crossing at the railroad station.	
HARRISONVILLE.	54.99 ft.
A cross on the northwest corner of concrete base of signal east of the track and 60 yards north of the railroad station.	
HARRISONVILLE.	55.7 ft.
West rail of the most southerly of two crossings just north of the railroad station.	
HARRISONVILLE.	62.2 ft.
West rail of crossing three-quarters of a mile north of the railroad station.	
IONA.	105.5 ft.
East rail of crossing.	
IVYSIDE.	93.1 ft.
East rail of diagonal crossing 200 yards north of the station.	
IVYSIDE.	86.6 ft.
East rail of crossing 200 yards north of the station.	
JEFFERSON.	79.6 ft.
North rail of crossing at the station.	
JEFFERSON.	76.04 ft.
A cross on the center of the west concrete parapet of small highway culvert just east of the station and north of the tracks.	
MALAGA.	106.6 ft.
West rail of crossing at the station.	
MALAGA.	93.8 ft.
West rail of crossing one mile north of the station.	
MALAGA.	111.3 ft.
West rail of southbound track of crossing, 0.5 mile south of the station.	
MICKLETON.	55.5 ft.
Northerly rail of crossing at the station.	
MICKLETON.	55.18 ft.
Top of concrete foundation at the southeast corner of Haines and Black's produce building at the railroad station.	
MICKLETON.	69.53 ft.
Easterly end of wooden door sill of the most westerly entrance on the south face of the Friends' Meeting House.	
MOUNT ROYAL.	53.2 ft.
North rail of crossing of the Clarksboro-Mount Royal highway, one-half mile southwest of the station.	
MOUNT ROYAL.	44.38 ft.
On the southwest end of wooden window sill of the most westerly basement window on the southerly face of the Baptist Church.	
MOUNT ROYAL.	34.5 ft.
Northerly rail of crossing at the station.	

MULLICA HILL.	51.8 ft.
South rail of crossing at the station.	
MULLICA HILL.	53.11 ft.
A cross on the concrete foundation at the northeast corner of the railroad station.	
MULLICA HILL.	97.29 ft.
A cross at the base of iron post of porch and near the outer corner at the east end of top step of three porch steps of Town Hall.	
NEWFIELD.	101.7 ft.
West rail of south bound track of crossing 0.9 mile north of the station.	
NEWFIELD.	116.4 ft.
West rail of south bound track of Vineland branch at the crossing just north of the station.	
NEWFIELD.	103.0 ft.
East rail of crossing 0.5 mile south of the station on the Vineland branch.	
NORTH WOODBURY.	45.0 ft.
East rail of crossing at the station.	
NORTH WOODBURY.	47.3 ft.
East rail of diagonal crossing 200 yards north of the railroad station.	
OGDEN STATION.	14.5 ft.
North rail of crossing.	
PARADISE.	15.5 ft.
North rail of crossing at the station.	
PARKVILLE STATION.	37.6 ft.
South rail of crossing.	
PAULSBORO.	12.9 ft.
South rail of crossing just west of the station.	
PITMAN.	138.9 ft.
East rail of south bound track at crossing three-quarters mile south of the railroad station.	
PITMAN.	135.2 ft.
West rail of crossing just north of the station.	
PITMAN.	108.7 ft.
West rail of diagonal crossing one mile north of the railroad station.	
PROSPECT.	4.7 ft.
South rail of main track of crossing at the station.	
RADIX.	140.8 ft.
East rail of crossing at the station.	
RADIX.	154.3 ft.
Westerly rail of crossing about 0.4 mile southwest of the station.	
REPAUPO STATION.	6.2 ft.
Southerly rail of diagonal crossing just east of.	
RICHWOOD.	156.4 ft.
North rail of crossing just east of the station.	
RICHWOOD.	150.8 ft.
Bottom edge of base board at the southeast corner of C. C. Munyon's store.	
RICHWOOD.	140.0 ft.
South rail of diagonal crossing, one-half mile southeast of the station.	
ROBANNA	157.7 ft.
North rail of crossing at the station.	

ROBANNA.	157.6 ft.
Point of frog of siding at the station.	
ROBANNA.	152.5 ft.
South rail of crossing 300 yards west of the station.	
RULON.	55.2 ft.
Southeast rail of crossing at the station.	
RULON.	51.4 ft.
Westerly rail of crossing, one-half mile northeast of the station.	
SEWELL.	65.0 ft.
Westerly rail of crossing at the station.	
SHERWIN STATION.	121.9 ft.
West rail of crossing.	
SOUTH WESTVILLE.	26.3 ft.
Southeast rail of crossing at the station.	
SWEDESBORO.	35.5 ft.
Southeast rail of tracks of the first crossing northeast of the station.	
TATEM STATION.	57.5 ft.
South rail of crossing.	
THOROFARE.	22.2 ft.
Point of frog 30 yards east of the station.	
THOROFARE.	19.8 ft.
South rail of crossing at the station.	
THOROFARE.	20.4 ft.
Northeast foundation bolt of gasoline stand on the west side of the highway 30 yards south of the railroad.	
TOMLIN STATION.	43.5 ft.
Southeast rail of crossing.	
WENONAH.	60.1 ft.
West rail of tracks of crossing at the station.	
WESTVILLE.	10.1 ft.
Southeast rail of tracks of crossing just north of the railroad station.	
WESTVILLE.	15.4 ft.
East rail of crossing, three-quarters mile northeast of the railroad station. This is the main Woodbury-Gloucester highway.	
WILLIAMSTOWN.	157.4 ft.
North rail of crossing, 50 yards northeast of the railroad station.	
WILLIAMSTOWN.	156.2 ft.
Northeast rail of crossing at Church Street station.	
WILLIAMSTOWN.	159.9 ft.
Northeast rail of crossing about 350 yards northwest of the Church Street station. This is the main Sicklertown-Franklinville highway.	
WOLFERT STATION.	49.7 ft.
Northwest rail of main track at crossing.	
WOODBURY.	42.6 ft.
South rail of crossing just east of West End station of the Pennsgrove branch of the Pennsylvania Railroad.	
WOODBURY.	36.7 ft.
Westerly rail of tracks of crossing at the station.	
WOODBURY HEIGHTS.	52.7 ft.
West rail of tracks of crossing at the station.	
WOODBURY HEIGHTS.	54.56 ft.
A cross on the cement platform at the northwest corner of the railroad station.	

HUDSON COUNTY.¹**BAYONNE.**

Eleva., 33.92 ft.

A cross on the outer corner at the westerly end of blue sandstone window sill on the East 49th Street face and at the southwest corner of Public School No. 3, on the corner of East 49th Street and Broadway.

BAYONNE.

Eleva., 32.02 ft.

A point 2.14 feet above the door sill on the white sandstone coping at the left side as you enter the most westerly door from East 33d Street of the Mechanics Trust Company's building on the corner of East 33d Street and Broadway.

BAYONNE.

Eleva., 48.20 ft.

On the outer corner of granite sill of basement window on the northerly side of Avenue C entrance to the Bayonne Public Library at West 31st Street.

BAYONNE.

Eleva., 42.26 ft.

A cross on the outer corner at the easterly end of window sill of basement window on the northerly face and at the northeast corner of Public School No. 8, a red brick structure on Avenue C at 23th Street.

BAYONNE.

Eleva., 40.81 ft.

A cross on the outer corner 1.8 feet from the door at the northerly end of large stone door sill of the Avenue C entrance to the Municipal Building at 26th Street.

BAYONNE.

Eleva., 21.10 ft.

Copper bolt 1.73 feet above the bridge seat and three feet from the girder on the westerly end of south concrete abutment of bridge carrying the New Jersey Central Railroad over the first street southerly from the East 22d Street station.

BAYONNE.

Eleva., 15.57 ft.

On the outer corner 3.7 feet from the outer set of doors at the northerly end of large granite sill of the Broadway entrance to building of the Bayonne Trust Company, a stone structure on the westerly side of Broadway at 9th Street.

BAYONNE.

Eleva., 26.14 ft.

A cross on the outer corner at the southerly end of door sill of entrance to baggage room on the west face of the station of the New Jersey Central Railroad at 8th Street.

GUTTENBURG.

Eleva., 244.05 ft.

On the southwest corner of the base stone, 16 inches square, on which rests the left hand column at the corner entrance to the First National Bank on the northwest corner of Bergen Line Avenue and 24th Street. The point is 0.16 foot above the large door sill which forms the second step at the entrance.

GUTTENBURG.

Eleva., 255.87 ft.

A cross on the outer corner at the southerly end of door sill of single door entrance at the corner and on the Madison Street face of Fire House at 24th Street.

HARRISON.

Eleva., 26.87 ft.

A cross cut in the west end of the stone sill of the front door of the small brick office building, at Peter Hauck and Company's brewery, on Harrison Avenue, opposite Washington Street.

¹Supersedes all previous lists.

HARRISON.

Eleva., 32.51 ft.

A cross cut near the southeast corner of the base of the column standing at the right, or east side of the front entrance to the West Hudson Trust Company's building, on the north side of Harrison Avenue, just west of Kearny Avenue.

HARRISON.

Eleva., 56.29 ft.

A cross cut in the east end of the south abutment, on a shelf (2.9 feet below the footpath) upon which rests the south end of the east truss, of the bridge which carries Kearny Avenue over the Erie Railroad.

HOBOKEN.

Eleva., 5.85 ft.

A cross on the outer corner at the south end of door sill of the Park Avenue entrance to Public School No. 7 on Newark Street.

HOBOKEN.

Eleva., 15.19 ft.

A cross on the outer corner at the easterly end of door sill of the most westerly basement entrance on Newark Street to the City Hall at Bloomfield Street.

HOBOKEN.

Eleva., 14.68 ft.

A cross next to door jamb at the northerly end of door sill of River Street entrance to post office at Newark Street. The sill is back under the alcove.

HOBOKEN.

Eleva., 45.73 ft.

A cross on the outer corner at the southerly end of brown sandstone door sill of River Street entrance to the main Institute building at Stevens Institute of Technology. The structure faces the park.

HOBOKEN.

Eleva., 47.49 ft.

A cross on the outer corner at the northerly end of door sill of the most northerly entrance on River Street to the United States Naval Building on the grounds of Stevens Institute of Technology.

HOBOKEN.

Eleva., 6.18 ft.

A cross on the outer corner at the westerly end of door sill of entrance on the northerly face and near the northeast corner of Fire House known as Truck No. 2 on Newark Street, near Henderson.

JERSEY CITY.

Eleva., 94.93 ft.

A cross cut in the south corner of the upper large square stone step at the main entrance (on Summit Avenue) of the Westminster Presbyterian Church, at the east corner of Summit and Magnolia Avenues.

JERSEY CITY.

Eleva., 99.65 ft.

A cross cut in the east end of the sand stone sill of the most westerly of two doors in the Newark Avenue front of the Hudson County Jail, opposite Oakland Avenue.

JERSEY CITY.

Eleva., 101.22 ft.

A cross cut in the south end of the door sill (10 inches from the door jamb, 3.6 inches from the south side of the entrance and 1.3 feet from the outer edge of the sill) of the most easterly of three entrances from Newark Avenue to the Hudson County Courthouse, which stands on the west corner of Newark and Pavonia Avenues.

JERSEY CITY.

Eleva., 26.25 ft.

A cross cut in the north end of the east abutment, at the foot of the east end of the north truss of a small viaduct which carries a 30 inch water main over the tracks of the West Shore or Junction Railroad, just south of the bridge carrying Newark Avenue over the same railroad.

JERSEY CITY.

Eleva., 18.65 ft.

A cross cut in the north side of the stone base of the fifth, or last pilaster from Montgomery Street, on the Washington Street side of the Union Trust Company's building, which stands on the southwest corner of Montgomery and Washington Streets.

JERSEY CITY.

Eleva., 6.99 ft.

A cross cut in the top of the south wall of Morris Canal lock No. 22. The cross is 14.1 feet from the head, or drop gate, 20.4 feet from the stone steps leading to the street and 0.12 foot from the edge of the wall. This lock is at Washington Street.

JERSEY CITY.

Eleva., 8.90 ft.

A cross on the northeast corner of stone forming the bottom step of a series of steps at the north end of westerly abutment of Pennsylvania Railroad bridge over Washington Street.

JERSEY CITY.

Eleva., 19.40 ft.

On the outer corner at the south end of granite door sill of the Washington Street entrance to basement of the Hudson County National Bank at York Street. The entrance is the first from York Street and the sill is below the sidewalk.

JERSEY CITY:

Eleva., 23.06 ft.

A cross on the outer corner at the east end of granite door sill of the York Street entrance to the post office at the southwest corner of building.

JERSEY CITY.

Eleva., 21.39 ft.

A cross on the inner corner, next to face of building, at the west end of large granite door step and sill of the most easterly entrance on Sussex Street to School No. 16 at Washington Street.

JERSEY CITY.

Eleva., 10.03 ft.

A cross on the northwest corner of fourth stone step from the top at the north end of easterly abutment of New Jersey Central Railroad bridge over the Morris Canal, about one-half mile northeast of Van Nostrand Avenue.

JERSEY CITY.

Eleva., 149.73 ft.

A cross on the outer corner at the northerly end of granite sill of basement window on the Summit Avenue face of the Second Dutch Reformed Church on the easterly side of Summit Avenue between Hutton and Zabriskie Streets. The window is on the right hand as you enter the northerly gate and is seven and one-half feet back from the side line of the Avenue.

JERSEY CITY (GREENVILLE).

Eleva., 20.27 ft.

A cross on ledge of stone 0.1 foot above the nearest rail and 0.8 foot from the north end of easterly abutment of Pennsylvania Railroad freight tracks over the New Jersey Central and Lehigh Valley railroads about one-half mile southwest of Greenville station.

JERSEY CITY (GREENVILLE).

Eleva., 13.63 ft.

A cross 17 feet from the girder on the outer corner of bridge seat at the north end of easterly abutment of Lehigh Valley Railroad bridge over the Morris canal about one mile southwest of Greenville station. The bridge is adjacent to and southerly from a New Jersey Central Railroad bridge over the canal at this place.

JERSEY CITY (LAFAYETTE).

Eleva., 15.59 ft.

A cross on the outer corner at the northwest end of window sill of small window in the Harmon Street face and at the northeast corner of the Public Service Power House on Garfield Avenue, 200 feet southerly from Communipaw Avenue, near the Morris Canal.

JERSEY CITY (LAFAYETTE).

Eleva., 12.86 ft.

A cross on the outer corner at the east end of door sill of center entrance on Communipaw Avenue to factory of the American Musical Supply Company, a red brick structure on the southerly side of Communipaw Avenue about 100 feet east of the Morris Canal.

KEARNY.

Eleva., 121.90 ft.

A cross cut in the first of two steps (0.7 foot from southwest corner of step, 15.5 feet from junction of the west wing wall with the northwest corner of the bridge, and 3.4 feet below the roadbed) in the west end of the north abutment of the bridge which carries Kearny Avenue over the Greenwood Lake Branch of the Erie Railroad, about 1,500 feet west from Arlington Station.

KEARNY.

Eleva., 111.11 ft.

A cross cut in the southeast corner of the large stone landing, five steps down from the door, of the entrance to the Town Hall. This cross is in the corner formed by the junction of the south stone balustrade with the building. The Town Hall stands on the east side of Kearny Avenue nearly opposite Grove Street.

NEW DURHAM.

Eleva., 7.91 ft.

A cross cut in the lowest of a series of steps (near the edge and close up to the bottom of the next step above) at the west end of the north abutment of the bridge which carries the Hackensack Turnpike over the West Shore Railroad at the station.

NEW DURHAM.

Eleva., 33.21 ft.

A cross on the outer corner at the southerly end of blue sandstone door sill of entrance on the easterly face of Public School No. 3, of North Bergen Township on North Street, northeast of the West Shore Railroad station.

UNION, TOWN OF.

Eleva., 191.74 ft.

A cross near the outer edge at the westerly end of granite door sill of main entrance to building of the Trust Company of New Jersey—Town of Union Branch, situated on the corner of Hackensack Plank Road and Bergen Line Avenue.

UNION, TOWN OF.

Eleva., 170.84 ft.

A cross on the outer corner at the easterly end of door sill of corner entrance on Main Street to Necker Building on the southwest corner of Main street and Bergen Line Avenue.

UNION, TOWN OF.

Eleva., 167.03 ft.

A cross on the outer corner at the southerly end of blue sandstone door sill of the main entrance to the Town Hall on Hudson Boulevard at Main Street.

UNION, TOWN OF.

Eleva., 181.50 ft.

A cross on the outer corner at the westerly end of basement window sill at the northwest corner of the building and on the Fourth Street face of Public School No. 2, located at Fourth Street and Bergen Line Avenue. The window is in that portion of the structure nearest Fourth Street.

UNION, TOWN OF

Eleva., 179.17 ft.

A cross on the outer corner at the extreme southerly end of granite door sill of Bergen Line Avenue entrance to the Weehawken Trust Company's building at Fourth Street.

WEST HOBOKEN.

Eleva., 174.20 ft.

A cross on the outer corner at the southerly end of blue sandstone door sill of Summit Avenue entrance to the Highland Trust Company's building on the corner of Summit and DeMott Avenues.

WEST HOBOKEN.

Eleva., 174.84 ft.

A cross on the outer corner at the easterly end of granite door sill of the main entrance to National Bank of North Hudson at the triangular corner formed by the intersection of Paterson Plank Road, DeMott Street and Summitt Avenue.

WEST HOBOKEN.

Eleva., 183.64 ft.

A cross on the outer corner at the southerly end of door sill of single door entrance on Hudson Boulevard, and near the southwest corner of the building to garage of Decker & Keynton—a red brick structure on the easterly side of Hudson Boulevard at No. 3828.

WEST HOBOKEN.

Eleva., 186.20 ft.

A cross on the outer corner of door sill of the Elm Street double door entrance to Public School building on the corner of Elm Street and Summit Avenue.

WEST HOBOKEN.

Eleva., 190.58 ft.

A cross on the outer corner at the westerly end of window sill on the right hand as you enter the office of the Public Service car barns on the corner of Clinton Avenue and Angelic Street. The tower is at this corner of the structure.

WEST HOBOKEN.

Eleva., 193.61 ft.

A cross on the outer corner at the easterly end of basement window sill on the north face and near the northeast corner of Public School No. 5 at Jane Street and Clinton Avenue.

WEST HOBOKEN.

Eleva., 192.11 ft.

A cross on the outer corner at the easterly end of granite door sill of main entrance to building of the Hudson Trust Company on the corner of Spring Street and Hackensack Plank Road. The cross is on the raised portion of the sill adjacent to the brick work.

WEST NEW YORK.

Eleva., 184.41 ft.

A cross 4.6 feet from the southwest corner of building on the west end of blue sandstone window sill of basement window on the Sixteenth Street face of the Municipal Building one block easterly from Bergen Line Avenue at the corner of Harrison Place.

WEST NEW YORK.

Eleva., 217.00 ft.

On the extreme southerly end of blue sandstone door sill of the Bergen Line Avenue entrance to the red brick church on the corner of Twenty-first Street and Bergen Line Avenue.

WEST NEW YORK.

Eleva., 178.77 ft.

On the outer corner at the east end of door sill of the second entrance on Fourteenth Street from Bergen Line Avenue to a white and yellow brick structure on the southeast corner of the two streets.

HUNTERDON COUNTY.¹**ANNANDALE.**

Eleva., 377.74 ft.

A cross on the level of the girder seat at the easterly end of north concrete abutment of highway bridge over Central Railroad about one mile easterly from the station.

ANNANDALE.

Eleva., 379.66 ft.

A cross at the level of the highway and near the north end of the westerly steel girder on the corner of concrete coping of northwest wing wall of highway bridge over the railroad about one mile easterly from the station.

¹ Supersedes all previous lists.

ANNANDALE.

Eleva., 355.049 ft.

The bottom surface of a square cavity cut on a projecting stone, about the center of the north abutment of an overhead highway bridge, over the Central Railroad, about one mile east of the station. The mark is a little below the level of the railroad track in hard blue limestone. This is a bench mark of the U. S. Coast and Geodetic Survey.

ANNANDALE.

Eleva., 345.66 ft.

A cross on the east end of stone door sill at the west entrance of the Central Railroad station, on the side toward the tracks.

ANNANDALE.

Eleva., 342.99 ft.

A cross 3 inches diagonally from the southwest corner of a cement block, forming the top of a series of steps at the south end of the west abutment of a bridge carrying the Central Railroad over a highway about 800 feet west of the station.

ANNANDALE.

Eleva., 350.54 ft.

A cross about two and one-half feet above the track on the outer corner at the southerly end of northeast stone abutment of frame bridge over the railroad about three-quarters mile northerly from the station.

ANNANDALE.

Eleva., 320.46 ft.

Next to the brick work on the brown sandstone water table at the northwest corner of brick dwelling on the east side of the High Bridge road about 130 yards south of Center Street.

ANNANDALE.

Eleva., 302.70 ft.

A cross just below the wooden door sill on the inner corner at the north end of top step, or landing, of three flagstone steps at entrance to the Reformed Church at the intersection of the Clinton and High Bridge roads.

ANNANDALE.

Eleva., 302.70 ft.

On the marble corner stone set in the foundation at the southwest corner of the Reformed Church.

ANNANDALE.

Eleva., 220.88 ft.

A cross directly above the west edge of opening for stream on the outer corner at the west end of the north concrete parapet of highway bridge about three-quarters mile from Annandale on the road to Clinton.

BLOOMSBURY.

Eleva., 326.180 ft.

The bottom of a square cavity cut in the top stone at the northwest corner of a railroad bridge over the wagon road, one-fourth mile west of the Central Railroad station. This is a U. S. Coast and Geodetic Survey bench mark. It is marked thus: B [] M
1881.

BYRAM.

Eleva., 100.51 ft.

On the north end of west concrete parapet of arch culvert under the railroad about one mile north of the station. This is a railroad bench mark and is number 16.

BYRAM.

Eleva., 101.45 ft.

A cross on the northeast corner of a concrete pier supporting a wooden bridge over the Pennsylvania Railroad, about 800 feet north of the station. The cross is about two feet above the level of the rails, and eight feet west of the west rail.

BYRAM.

Eleva., 97.77 ft.

A copper bolt on the north end of the wall of a railroad culvert, about 300 feet south of Byram station, on the west side of the track.

BYRAM.

Eleva., 97.76 ft.

A cross on the northeast corner at the north end of concrete parapet of railroad culvert about 100 yards south of the station.

BYRAM.

Eleva., 100.68 ft.

A cross on the northwest corner of a concrete block on which rests the northeast end of the north truss, at the northeast abutment of the bridge over the Delaware.

BYRAM.

Eleva., 94.31 ft.

A cross on the inner corner of the fourth stone step from the top at the northerly end of the easterly abutment of stone arch bridge under the railroad about three-quarters mile southeast of the station.

CALIFON.

Eleva., 479.15 ft.

A cross on the center of concrete slab at the southerly end of small culvert under the Central Railroad about 450 yards westerly from the station.

CALIFON.

Eleva., 483.98 ft.

A cross on the outer corner at the easterly end of door sill of entrance on the southerly face of the Central Railroad station, a stone structure on the north side of the tracks.

CALIFON.

Eleva., 469.78 ft.

A cross on the outer corner, six inches below the bridge floor at the west end of southerly abutment of highway bridge over South Branch of Raritan River.

CALIFON.

Eleva., 480.84 ft.

A cross immediately below the iron railing and directly over the pier on the southerly cement walk of highway bridge about 300 yards north of the railroad station. The bridge is on the northerly side of the railroad and the highway parallels the tracks.

CLINTON.

Eleva., 202.07 ft.

A cross on the northeast corner of the south wing wall, on the bluestone cap, of the highway bridge over south Branch of Raritan River, near the intersection of Lee and Center Streets.

CLINTON.

Eleva., 208.86 ft.

A cross on the westerly end of bluestone door sill of main entrance to the Union Hotel on the corner of Lee and Center Streets.

CLINTON.

Eleva., 195.95 ft.

A cross on the outer edge, at left of doorway, of the door sill at the entrance to the Clinton National Bank.

CLINTON.

Eleva., 194.37 ft.

A cross on the extreme north point of the center pier of the Main Street bridge over South Branch of Raritan River, 200 feet south of the dam. The point is about 16 inches north of the iron railing, and about six inches below the level of the bridge floor.

CLINTON.

Eleva., 191.61 ft.

A cross near the base of the end post of iron railing on the outer corner of flagstone supporting the steel truss at the east end of northerly abutment of Lee Street bridge over Beaver Brook.

CLINTON.

Eleva., 185.77 ft.

A cross 5.5 feet from the rail of track on the outer edge at the west end of the south concrete abutment of railroad bridge over a stream about one-quarter mile south of the station.

EVERITTSTOWN.

Eleva., 391.49 ft.

A cross on the west end of the second step from top at the entrance to a frame school building, one-quarter mile east of village, on the road to Pittstown. The point is next to the riser.

EVERITTSTOWN.

Eleva., 320.72 ft.

A cross on the outer corner at the west end of the south abutment of a wooden bridge, over the south branch of Nishisakawick Brook, about 100 feet east of the general store at the corner of the crossroads.

EVERITTSTOWN.

Eleva., 337.53 ft.

On the bottom edge and corner of brownstone tablet, at the northeast corner of the Methodist Episcopal Church.

EVERITTSTOWN.

Eleva., 405.78 ft.

A cross about one foot below the bridge floor on the outer corner at the east end of the south abutment of highway bridge over a brook about 1.2 miles northeast of Everittstown. The bridge is about one mile northerly from Palmyra, on the road leading to Jutland and just north of its intersection with the road leading easterly to Pittstown.

EVERITTSTOWN.

Eleva., 397.08 ft.

A cross on a ledge of stone in the center and on the north face of south parapet of stone arch highway bridge over a brook about one mile northeast of Everittstown. The bridge is on the Pittstown road about 0.7 mile northerly from Palmyra and the cross is at the lower edge of a marble slab set in the wall and reading "Freeholder--Philip Apgar; Superintendent A. Shaw & C."

EVERITTSTOWN.

Eleva., 330.12 ft.

A cross on the outer corner at the west end of bottom step of several stone steps leading into a yard on the north side of the Pittstown road about 50 yards east of the general store at the crossroads.

EVERITTSTOWN.

Eleva., 321.70 ft.

A cross on the outer corner at the northeast end of northerly abutment of highway bridge over the north branch of Nishisakawick Creek 30 yards northwest of the general store at the crossroads.

EVERITTSTOWN.

Eleva., 333.23 ft.

A cross next to the building at the right of the doorway on the bottom concrete step at main entrance to the M. E. Church at intersection of the Mt. Pleasant and Frenchtown roads.

FLEMINGTON.

Eleva., 187.45 ft.

This bench mark is a cross on the south end of the door sill at the front entrance of the courthouse.

FLEMINGTON.

Eleva., 186.29 ft.

This bench mark is on top of the brass head of the southern "true meridian" post in front of the courthouse.

FLEMINGTON.

Eleva. 171.26 ft.

This bench mark is a cross cut on the west end of the door sill, at the southwest corner of the stone Presbyterian Church, at the forks of the street.

FRENCHTOWN.

Eleva., 276.64 ft.

A cross in the cover of the cement wall at the entrance, directly below the hinges of the door at the top edge of the reservoir of the Frenchtown Water Works, one-quarter mile north of the village, on the road to Everittstown.

FRENCHTOWN.

Eleva., 133.29 ft.

A cross on the northeast corner of a large block in front of the National Hotel on Milford road, opposite Kingwood Avenue. The stone is eight and one-half feet from the porch of the hotel.

FRENCHTOWN.

Eleva., 129.06 ft.

A cross on the course of stones forming the seat of the truss, about 12 inches below the level of the floor, and at the bridge end of a long wing wall running northeast, at the northeast corner of the southeast abutment of a bridge over the brook on Kingwood road, 100 feet from Milford road, and opposite National Hotel.

FRENCHTOWN.

Eleva., 129.90 ft.

On the outer corner at the east end of a browstone door sill, at the right side of the entrance to the bank building on Bridge Street. The point is immediately below the right brick door jamb.

FRENCHTOWN.

Eleva., 132.84 ft.

A cross on the outer corner at the east end of stone door sill of wagon entrance to Fire House on Second Street about 100 yards west of the Everittstown road.

FRENCHTOWN.

Eleva., 131.53 ft.

A cross on the outer corner at the east end of stone door sill of entrance to Post Office on Bridge Street opposite Harrison Street.

FRENCHTOWN.

Eleva., 129.32 ft.

A cross on the outer corner at the west end of top step at the center entrance to the I. O. O. F. building on Bridge Street west of Harrison Street.

FRENCHTOWN.

Eleva., 125.48 ft.

A cross on the extreme east end of stone door sill of center entrance to Warford Hotel near the railroad station.

FRENCHTOWN.

Eleva. 116.83 ft.

A cross on the northwest corner at the north end of west parapet of railroad bridge over Cooper Creek about one and one-half miles south of the station. The cross is at the angle formed by the junction of parapet and wing wall.

FRENCHTOWN.

Eleva., 113.46 ft.

A cross about two feet below the rail of track on the outer corner at the north end of concrete parapet of railroad culvert about two miles south of the station.

FRENCHTOWN.

Eleva., 120.27 ft.

A cross on the east outer corner of the south end of the concrete coping on the Pennsylvania Railroad culvert, over Little Nichisakawick Creek, about 500 feet south of the railroad station.

GLEN GARDNER.

Eleva., 383.77 ft.

A cross about seven feet below the track on the outer edge at the northwest end of concrete parapet of railroad bridge over a highway about one mile southeast of the station. The cross is at the angle formed by the wing wall.

GLEN GARDNER.

Eleva., 447.71 ft.

A cross about two feet above the rail on a ledge of the rock face in railroad cut on the northeast side of the track about 112 yards southeast of the center of station. The ledge is about 20 yards from the southeast end of the outcrop.

GLEN GARDNER.

Eleva., 477.36 ft.

A cross six inches out from the riser of the bottom step on the outer edge and at the center of stone base of a series of steps leading into a yard about three-eighths mile northerly from the station. The cross is about seven feet above and 70 feet easterly from the railroad track.

GLEN GARDNER.

Eleva., 450.31 ft.

A cross on the concrete covering of a spring, six inches from the middle of the top edge of the opening, just north of the Central Railroad station.

GLEN GARDNER.

Eleva., 451.76 ft.

A cross on the northeast corner of the second step from the top at the north end of the west abutment of the Central Railroad bridge, over highway, about 400 feet west of the station.

GLEN GARDNER.

Eleva., 469.55 ft.

A cross on the southwest corner of the sixth step from the top at the north end of the west abutment of the Central Railroad bridge, over a highway, about one-half mile north of the railroad station.

HAMPTON.

Eleva., 507.10 ft.

A cross on an outcrop of rock about 90 feet east of the center of the railroad station, seven feet south of the nearest rail of the eastbound track, and 15 feet west of signal No. 562.

HAMPTON.

Eleva., 561.64 ft.

A cross on the outer edge at the southeast end of the stone door sill of the entrance to St. Ann's Church.

HAMPTON.

Eleva., 519.60 ft.

A cross next to the building on the southeast corner of concrete porch floor of the Lackawanna House on the southerly side of the railroad track west of the station.

HAMPTON.

Eleva., 561.35 ft.

On the northwest end of brick window sill of window on the west face of a garage on the easterly side of the Clarksville highway opposite High Street.

HAMPTON.

Eleva., 583.71 ft.

A cross on the outer edge at the north end of a concrete door sill of the public school between Foss Avenue and High Street. The entrance is on High Street.

HAMPTON.

Eleva., 467.66 ft.

A cross on the southwest corner of the third stone from top at the northwest end of the north abutment of the Delaware, Lackawanna and Western Railroad bridge, over a highway about one mile north of Hampton.

HIGH BRIDGE.

Eleva., 377.21 ft.

A cross on the outer edge of the north end of the concrete window sill of a small west, rear window of the annex to the Reformed Church, at the corner of the Berkshire Valley road and Church Street.

HIGH BRIDGE.

Eleva., 368.70 ft.

A cross on the outer edge of the north end of the stone window sill, near the marble corner stone on the west side of the Methodist Episcopal Church, at Church and Thomas Streets.

HIGH BRIDGE.

Eleva., 371.13 ft.

On the outer edge of the west end of a stone door sill, at the north entrance to the High School, being the first entrance from Thomas Street on the north face of the building.

HIGH BRIDGE.

Eleva., 328.29 ft.

A cross on the southeast corner of stone at the south end of stone wall on the east side of the railroad about 100 yards south of the station.

HIGH BRIDGE.

Eleva., 330.96 ft.

A cross on the southwest corner of the northeast stone pier on the northerly side of railroad water tank on the east side of the tracks at the station.

HIGH BRIDGE.

Eleva., 321.74 ft.

A cross on the outer edge at the west end of middle landing of steps leading from Railroad Avenue to the station on the west side of the tracks at the north end of the building.

HIGH BRIDGE.

Eleva., 317.90 ft.

On the outer edge at the north end of stone door sill of upstairs entrance to a brick and stone structure occupied by the First National Bank on the easterly side of Main Street about 50 feet north of Railroad Avenue. The entrance is the second from an alley at the south face of the building.

HIGH BRIDGE.

Eleva., 313.04 ft.

On the outer edge at the north end of concrete step at center entrance to the Post Office, a yellow brick structure on Main Street opposite McDonell Street.

HIGH BRIDGE.

Eleva., 330.75 ft.

A cross on the level of the girder seat on the southwest corner of second stone step from the top at the westerly end of north abutment of bridge carrying the High Bridge branch of the Central Railroad over a spur track running to the steel works about 275 yards north of the station and on the east side of the main line.

HOFFMANS.

Eleva., 472.11 ft.

A cross about 21 feet southerly from the center line of the main track and 0.54 foot above the rail on the topmost point of rock outcrop about 165 yards westerly from the railroad station.

HOFFMANS.

Eleva., 446.19 ft.

A cross 0.8 foot below the floor of the bridge, on the outer corner of the upper of two iron bed plates on the southerly abutment and under the southerly end of west truss of highway bridge over South Branch of Raritan River just north of the railroad station.

KING STATION, see SIDNEY.**KINGWOOD STATION.**

Eleva., 110.40 ft.

A cross at the inner angle of the northeast wing wall, about two feet below the level of and eight feet east of the east rail, at the northeast end of the concrete wall of a Pennsylvania Railroad culvert at the station.

KINGWOOD STATION.

Eleva., 108.18 ft.

A cross on the wall, directly above the crown of the arch, and about two feet below, and 15 feet east of the east rail at a concrete arch culvert carrying the Pennsylvania Railroad over Warford Creek, about one-half mile south of the station.

LAMBERTVILLE.

Eleva., 70.21 ft.

A cross surrounded by a triangle on the northeast corner of a large corner stone on the north end of the west wall of lock on the canal feeder.

LAMBERTVILLE.

Eleva., 72.87 ft.

A cross cut in the south end of the door sill of the center or ladies waiting room door, on the east side of the railroad station.

LAMBERTVILLE.

Eleva., 81.38 ft.

A cross cut on the east end of the stone door sill under the portico of the Baptist Church on Bridge Street.

LAMBERTVILLE.

Eleva., 80.72 ft.

A cross about four inches from the outer edge on the north end of the door sill, at the southerly entrance to the post office on North Union Street.

LAMBERTVILLE.

Eleva., 79.29 ft.

A cross on the outer corner at the west end of door sill, on the stone supporting the column braces, at the entrance to the Lambertville National Bank, corner of Union and Bridge streets.

LAMBERTVILLE.

Eleva., 71.55 ft.

A cross about one foot below the rail of track on the outer corner at the westerly end of south concrete abutment of Pennsylvania Railroad bridge (Belvidere Division) over a stream about three-quarters mile northerly from the station. The bridge is a two span steel girder structure at the spillway of the Raritan Canal feeder.

LAMBERTVILLE.

Eleva., 70.52 ft.

A cross on the inner corner at the north end of concrete retaining wall between the track and canal feeder about 80 yards north of the railroad station.

LAMBERTVILLE.

Eleva., 69.00 ft.

A cross on the outer corner of granite seat of the north steel truss at the north end of east abutment of highway bridge over the Delaware River at the railroad station.

LANSDOWNNE.

Eleva., 174.52 ft.

A cross at the inner angle formed by the abutment and wing wall at the east end of north concrete abutment of Lehigh Valley Railroad bridge (Clinton Branch) over a small stream about three-quarters mile north of the station.

LANSDOWNNE.

Eleva., 197.46 ft.

A cross on the northwest corner of stone base of the northwest steel column of water tank about 30 yards south of the main line tracks of the Lehigh Valley Railroad and about 170 yards west of the station. The stone is the one furthest west of the station and nearest the tracks.

LANSDOWNNE.

Eleva., 171.78 ft.

A cross on the girder seat, about 3.5 feet below the level of and four feet east of the rail, on the east end of the south concrete abutment of the Lehigh Valley Railroad bridge (Clinton Branch) over a branch of South Branch of Raritan River, about one-half mile north of the station.

LANSDOWNNE.

Eleva., 178.14 ft.

A cross about four feet east of and about four feet below the east rail, and on the southerly corner of the stone supporting the north end of the east truss of a bridge over Cakepoulin Creek on the Clinton Branch of the Lehigh Valley Railroad, one-fourth mile north of the station.

LANSDOWNNE.

Eleva., 196.64 ft.

A cross on the outer corner of the stone supporting the easterly end of the north truss, about six feet northeast of, and six feet lower than the north rail at the north end of the east abutment of the Lehigh Valley Railroad bridge over Cakepoulin Creek, 1,000 feet west of the station.

LEBANON.

Eleva., 283.91 ft.

A cross on the northwest corner of the second step from the top of the northwest wing wall of the west abutment of a stone arch bridge, carrying the Central Railroad over a highway, about 500 feet east of the station.

LEBANON.

Eleva., 298.19 ft.

A cross cut in the outer edge at the east end of stone door sill of the boiler room of Cushetunk Mountain creamery. The entrance is on the side facing the railroad station, and is the most easterly entrance.

LEBANON.

Eleva., 301.30 ft.

A cross on the northwest corner of the third step from the top at the north end of the west abutment of a bridge carrying the Central Railroad over a highway, about 1,000 feet west of the station.

- LEBANON.** Eleva., 233.75 ft.
A cross on the northeast corner of the second stone step from the bottom of several steps forming the north end of west abutment of Central Railroad bridge over a small stream about one and one-half miles east of the station. The bridge is about 100 yards west of a highway crossing.
- LEBANON.** Eleva., 259.50 ft.
A cross on the west end of concrete cap of the north parapet of railroad culvert 0.4 mile east of the station. The cross is at the inner angle formed by the junction of the parapet and wing wall.
- LEBANON.** Eleva., 257.55 ft.
A cross on the southeast corner of stone on the east end of south abutment of highway bridge over a stream about 85 yards north of the station.
- MT. AIRY.** Eleva., 137.35 ft.
A cross on the fourth stone step from the bottom of the south abutment of the bridge, over the highway, at the west side of the Flemington branch of the Pennsylvania Railroad.
- NEW GERMANTOWN.** Eleva., 260.57 ft.
Highest point of a boulder at the edge of the concrete sidewalk on northeast corner of the intersection of the main street and the road leading to the railroad station.
- NEW GERMANTOWN.** Eleva., 163.10 ft.
A cross on the southeast corner of stone at the east end of north abutment of steel truss highway bridge over Lamington River about two miles northeast of New Germantown and one-quarter mile northeast of Sutton. The bridge is about 100 yards westerly from the old Rockaway Valley Railroad tracks.
- NEW GERMANTOWN.** Eleva., 254.25 ft.
A cross about one-half foot below the door sill and one-third foot out from the riser on the north end of a large concrete step at the entrance to the Methodist Episcopal Church on Main Street.
- NEW GERMANTOWN.** Eleva., 205.80 ft.
A cross on the center of the west wall of a concrete culvert about 300 feet north of the street, leading from the railroad station to Main Street, near the cemetery.
- NEW GERMANTOWN.** Eleva., 152.53 ft.
A cross on a stone about three feet below and five feet south of the south rail of the Rockaway Valley Railroad, on the southeast corner at the south end of the west abutment at the railroad bridge, about three-fourths mile northeast of station and one-fourth mile east of the crossing of a highway.
- PITTSTOWN.** Eleva., 375.04 ft.
A cross on the highway bridge over the brook 150 feet west of the Lehigh Valley Railroad station. The cross is on the north end of the east abutment, and on the northeast corner, about one foot above the seat of the girder.
- PITTSTOWN.** Eleva., 366.11 ft.
A cross on the outer edge at the east end of the door sill at the central entrance of the New Century Inn on Clinton road, about 100 feet east of a stream.
- PITTSTOWN.** Eleva., 360.34 ft.
A cross on a brown stone below the flagstone cap, one foot below the level of the bridge floor, and 26 feet northwest of the northwest edge of the bridge; on the westerly corner at the northwest end of northwest wing wall of northeast abutment of a highway bridge on Clinton road, about 500 feet northeast of Everittstown road.

PITTSBOWN.

Eleva., 409.09 ft.

A cross on the outer corner at the west end of north abutment of highway bridge, over a branch of Cakepoulin Creek about three-quarter mile west of Pittstown. The bridge is on a road leading northerly and 100 feet from its intersection with the main highway to Everittstown.

POTTERSVILLE.

(See Somerset County.)

RAVEN ROCK.

Eleva., 85.55 ft.

A cross on a rounded corner of a stone holding the northeast gate of lock at canal feeder, about 200 feet westerly from the railroad station. The cross is about five feet south of the south edge of the bridge.

RAVEN ROCK.

Eleva., 89.24 ft.

A cross on the northwest corner of the west concrete cap of an arch bridge, about 100 feet southeast of the station of the Pennsylvania Railroad.

RAVEN ROCK.

Eleva., 92.27 ft.

Copper bolt on the southerly end of the northeast parapet of concrete arch culvert under the railroad about 0.3 mile northwest of the station.

RAVEN ROCK.

Eleva., 88.47 ft.

A cross nine feet from the rail of track and about one foot lower on the outer corner at the south end of west stone abutment of railroad bridge over stream about one and one-quarter miles easterly from the station. The cross is on the top step of several stone steps forming the wing wall.

READINGSBURG.

Eleva., 383.90 ft.

A cross ten feet from the girder on the outer corner of the bridge seat at the east end of southerly stone abutment of Central Railroad bridge over a highway about one and one-quarter miles northeast of High Bridge.

READINGSBURG.

Eleva., 441.94 ft.

A cross 1.5 feet from the girder, near the outer corner of stone on which rests the southerly end of east girder of the Central Railroad bridge over South Branch of Raritan River about two and one-half miles northeast of High Bridge.

SIDNEY.

Eleva., 252.72 ft.

A cross on the girder seat at the south end of the east abutment of railroad bridge (Pittstown Branch) over a small stream at the pond and ice houses about three-quarters mile westerly from the station.

SIDNEY.

Eleva., 261.54 ft.

A cross on the west end of south abutment of steel highway bridge over Cakepoulin Creek near King's Mill, about one-eighth mile east of King Station of the Pittstown branch of the L. V. R. R. The bridge is about 100 yards north of the track.

SIDNEY.

Eleva., 262.15 ft.

A cross on the center door sill of basement entrance in the center and on the north side of King's Mill about one-eighth mile east of King Station on the Pittstown branch of the L. V. R. R.

SIDNEY.

Eleva., 282.59 ft.

A cross on the outer corner of stone seat of wooden truss at the easterly end of northerly abutment of highway bridge over Cakepoulin Creek about 80 yards northwest of King Station on Pittstown branch of Lehigh Valley Railroad.

SIDNEY.

Eleva., 216.31 ft.

A cross about one foot below the level of bridge floor on northwest corner at the west end of the south abutment of a highway bridge at the railroad station.

SIDNEY.

Eleva., 229.74 ft.

A cross 18 inches below the level of floor at the northwest corner of the west stone abutment of the highway bridge, about one-fourth mile west of the railroad station.

STOCKTON.

Eleva., 83.98 ft.

A cross about six feet from the rail of track and about one foot lower, on the outer corner at the northeast end of northwest concrete abutment of railroad bridge over Wickecheoke Creek about one-half mile northwest of the station.

STOCKTON.

Eleva., 75.18 ft.

A cross about 3.5 feet north of the north truss, at the north end of the east abutment of a small bridge, over the canal lock, about 1,200 feet north of the railroad station.

STOCKTON.

Eleva., 79.02 ft.

A cross about two feet below the rail of track on the outer corner at the northwest end of concrete cap of the northeast parapet of railroad culvert about 200 yards northwest of the station.

STOCKTON.

Eleva., 84.64 ft.

A cross on the outer corner at the northwest end of stone door sill of the center entrance to the hotel on the main street about 100 yards northeast of the railroad station.

STOCKTON.

Eleva., 88.82 ft.

A cross on the outer edge at the north end of the second step from the bottom, leading up to the Stockton Baptist Church.

STOCKTON.

Eleva., 77.27 ft.

On the east end of the sill of the second window from the west end of building, in the south face of the basement of the Presbyterian Church.

STOCKTON.

Eleva., 78.52 ft.

A cross about five feet from the rail of track and about three feet below on the outer corner of stone at the northeast end of north abutment of steel girder bridge carrying the railroad over the canal feeder about five-eighths of a mile south of the railroad station.

STOCKTON.

Eleva., 78.51 ft.

This is railroad B. M. No. 10, a bolt in the stone at the southwest end of the north abutment of the bridge which carries the Pennsylvania Railroad over the canal feeder, about five-eighths of a mile south of the railroad station.

STOCKTON.

Eleva., 76.17 ft.

A cross on the outer edge of concrete cap, two feet from the southeast end of the westerly parapet of arch bridge carrying the railroad over a brook about one mile southeast of Stockton.

TUMBLE FALLS.

Eleva., 105.12 ft.

A cross nine feet from the rail of track at the southerly end of east parapet of concrete arch bridge carrying the railroad over a brook about one-half mile north of the station.

TUMBLE FALLS.

Eleva., 105.30 ft.

Copper bolt on the south end of west parapet of concrete arch bridge carrying the railroad over a brook about one-half mile north of the station. It is marked "B. M. 16."

TUMBLE FALLS.

Eleva., 115.50 ft.

A cross on the outer corner at the south end of the second step from the bottom of the set of large shale steps leading into yard of a dwelling on the east side of the railroad and highway at the station.

A LIST OF BENCH MARKS.

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TUMBLE FALLS.

Eleva., 102.13 ft.

A cross on the northeast corner at the east end of the southwest wing wall of a concrete bridge, a few feet south of the railroad station.

TUMBLE FALLS.

Eleva., 101.33 ft.

A cross seven feet from the rail of track and about two feet lower on the outer corner of stone at the north end of east parapet of railroad arch bridge about one-half mile south of the station.

TUMBLE FALLS.

Eleva., 101.92 ft.

A cross about six feet from the rail of track on the outer corner of concrete cap at the north end of west parapet of concrete arch bridge carrying the railroad over a stream about three-quarters mile south of the station.

WHITEHOUSE.

Eleva., 171.57 ft.

A cross on the southeast corner of the third stone step from the top of a number of steps at the southwest end of the northwest abutment of railroad bridge over a private road about 500 feet east of the station.

WHITEHOUSE.

Eleva., 172.24 ft.

A copper bolt in a stone at the north end of the east abutment of the Central Railroad bridge, over a private way about 500 feet east of the station.

WHITEHOUSE.

Eleva., 177.09 ft.

A cross on the northwest corner of the northwest stone pier supporting column of water tank just west of the station on the southerly side of the railroad.

WHITEHOUSE.

Eleva., 178.19 ft.

A cross on the outer edge at the west end of the stone door sill at the easterly entrance to the railroad station.

WHITEHOUSE.

Eleva., 219.41 ft.

A copper bolt in the concrete foundation of a signal for westbound trains, about one and three-quarters miles west of the railroad station.

WHITEHOUSE.

Eleva., 163.14 ft.

A cross in line with the southwest face of the building projected southeasterly on the outer edge of a retaining wall at the highway on the southeast side of the Reformed Church.

WHITEHOUSE.

Eleva., 168.16 ft.

A cross cut on the outer edge at the east end of the stone door sill at the main entrance to the Reformed Church.

WHITEHOUSE.

Eleva., 126.52 ft.

A cross 0.6 foot from the northwest end of the northeast parapet of the Potterstown highway bridge over Rockaway Creek about three-quarters mile northeast of the New Jersey Central Railroad station. The bridge is on the northeast edge of the village and about 130 yards southeast of the Rockaway Valley Railroad track.

SECONDARY BENCH MARKS.¹

CALIFON.

Rail at station.

483.4 ft.

CALIFON.

Next to building at the northerly end of cement floor of porch of J. B. Apgar's store about 200 feet northerly from the railroad.

477.36 ft.

¹"Rail at station" means rail joint nearest the center of the station. "Rail at crossing" means rail joint; if no joint is at the crossing, the elevation is taken in the center of the road way. The elevations are given to the nearest tenth of a foot, except where otherwise noted.

CALIFON.	485.5 ft.
North rail of crossing about one-half mile northeasterly from the station. The crossing is the one nearest the dam across the river.	
HAMPTON.	508.0 ft.
Frog at junction of D., L. & W. and N. J. Central railroads.	
HIGH BRIDGE.	329.4 ft.
Rail at station.	
HOFFMANS.	472.0 ft.
South rail of main track at crossing.	
HOFFMANS.	471.0 ft.
A cross on concrete base of warning sign, north of the track.	
LANSDOWNE.	192.0 ft.
Rail of mainline tracks of L. V. R. R. at station.	
PITTSTOWN.	375.8 ft.
Rail of crossing at the station.	
SIDNEY.	218.9 ft.
Rail at station.	
VERNOY.	490.6 ft.
Northerly rail of main track of crossing at station.	
VERNOY.	490.67 ft.
A cross on the concrete base of warning sign, north of track.	
WHITEHOUSE.	176.6 ft.
West rail of southbound track at the station.	

MERCER COUNTY.¹

GLENMORE.	Eleva., 199.93 ft.
A cross about two feet below the level of and 25 feet east of east rail, near the base of a post of iron-pipe railing, at the east end of the north concrete abutment of a bridge over highway and trolley, on the Reading Railroad at Glenmore station. The cross is at the corner of the wall, where it turns at a right angle from the road.	
GLENMORE.	Eleva., 186.89 ft.
A cross about six feet below the level of and 15 feet east of the east rail on the east edge of the capstone of a stone arch at the easterly side of the tracks of the Reading Railroad, about three-quarters mile south of the station.	
GLENMORE.	Eleva., 199.70 ft.
A cross on the southeast corner of bridge seat at the east end of north stone abutment of Reading Railroad bridge over highway about one-half mile northerly from the station.	
GLENMORE.	Eleva., 198.72 ft.
On the center of the concrete cap of the east parapet of Reading Railroad bridge over stream about 200 yards southerly from the station.	
HIGHTSTOWN.	Eleva., 89.67 ft.
A cross on the outer corner and on the level of the girder seat, at the westerly end of southerly concrete abutment of P. R. R. bridge over Millstone River about one mile northeast of the station. The cross is 13 feet from the girder.	
HIGHTSTOWN.	Eleva., 97.11 ft.
A copper bolt surrounded by a square cut on the south end of east abutment of P. R. R. bridge over Main Street. The bolt is about three feet below the rail and four feet from the girder.	

¹Supersedes all previous lists.

- HIGHTSTOWN.** Eleva., 92.00 ft.
A cross on the outer corner and on the layer of stones forming the girder seat at the south end of west abutment of P. R. R. bridge over Main Street. The cross is 18 feet from the girder.
- HIGHTSTOWN.** Eleva., 112.13 ft.
A cross on the east end of door sill of most westerly entrance on Stockton Street to First Methodist Church at the corner of Church Street.
- HIGHTSTOWN.** Eleva., 87.78 ft.
A cross on the south end of brownstone door sill of corner entrance to Cunningham's drug store on the southwest corner of Main and Stockton Streets.
- HIGHTSTOWN.** Eleva., 86.36 ft.
A cross on the outer corner at the south end of granite door sill of Main Street entrance to First National Bank, on the west side of Main, about 100 feet north of Stockton Street.
- HIGHTSTOWN.** Eleva., 116.87 ft.
A cross on the southerly end of basement window sill of the third window from the southwest corner on the westerly face of public school. The structure is about 350 yards southwest of the P. R. R. station, on the Hightstown-Windsor road.
- HIGHTSTOWN.** Eleva., 118.10 ft.
A cross on the southwest corner of concrete base of water supply pipe for engines, at the junction of Amboy Division of P. R. R. and the Pemberton-Hightstown R. R., about one mile southwest of the station. The structure is between the tracks, and about 50 yards below the tower house.
- HOPEWELL.** Eleva., 152.89 ft.
A cross on ledge of stone, 1.8 feet below the cap, at the center of the north parapet of highway bridge over small stream about one mile northeast of the town on the Stoutsburg road. The bridge is northeast of a crossroad nearby.
- HOPEWELL.** Eleva., 152.23 ft.
A cross near the outer corner of bridge seat at the northerly end of easterly abutment of a steel truss highway bridge about three-fourths mile northeast of the town on the Stoutsburg road. The bridge is southwest of a crossroad nearby leading to Mount Rose.
- HOPEWELL.** Eleva., 230.13 ft.
A cross on the westerly corner at the southwest end of stone pier supporting wooden frame of overhead highway bridge spanning the Reading Railroad one mile southwest of the station. The mark is below the eastern cap of pier and is about 0.75 feet above the railroad track.
- HOPEWELL.** Eleva., 208.25 ft.
A cross on the capstone on the southerly end of the westerly abutment of Reading Railroad bridge about 350 yards southwest of the station. The mark is about four feet from the nearest rail and about six inches lower.
- HOPEWELL.** Eleva., 203.30 ft.
A cross on the northeast end of brownstone door sill of the most easterly entrance on the southerly face of the Reading Railroad station.
- HOPEWELL.** Eleva., 201.75 ft.
A cross on the outer edge at the northerly end of a brownstone door sill of the post office next to Central Hotel on Broad Street, opposite Blackwell Avenue.
- HOPEWELL.** Eleva., 196.63 ft.
A point on the outer edge at the southerly end of a brownstone door sill, directly below the letter "H" in Hopewell, at the entrance to the alcove of the Hopewell National Bank.

MERCER COUNTY.

HOPEWELL.

A cross on the southerly end of the bluestone door sill, under the porch, at the entrance to Cavalry Baptist Church. Eleva., 194.31 ft.

HOPEWELL.

A cross on the outer edge at the northeasterly end of the brownstone floor sill at the southwesterly rear entrance to the Hopewell High School. Eleva., 194.40 ft.

KINGSTON.

(See Middlesex County.)

MILLSTONE AQUEDUCT.

A triangle cut in the center of the memorial plate at the top of the south end of the west abutment of the aqueduct carrying the Delaware and Raritan Canal over Millstone River, two miles south of Kingston. Eleva., 58.94 ft.

PENNINGTON.

A cross on the northwest corner of the lowest stone step at the west end of the south abutment of the Reading Railroad bridge, over a highway, about one and one-quarter miles north of the railroad station. Eleva., 130.38 ft.

PENNINGTON.

A cross on the south end of the stone door sill at the entrance to the ladies' waiting room in the west face of the Reading Railroad station. Eleva., 197.56 ft.

PENNINGTON.

A cross on the south end of the door sill at the Main Street entrance to the First National Bank on the northeast corner of Delaware Avenue. Eleva., 214.35 ft.

PENNINGTON.

A cross on the outer corner at the north end of the bluestone door sill at the entrance to the basement of the administration building of Pennington Seminary. The entrance is on the left side and is immediately under the porch steps of the upper entrance. Eleva., 207.29 ft.

PENNINGTON.

A cross at the outermost corner of a large capstone, about three feet north of truss, and about nine and one-half inches lower than the bridge floor, on the north end of the west abutment of the bridge, carrying the highways over Jacob's Creek, about two and one-half miles west of Pennington, on the road to Titusville. Eleva., 125.87 ft.

PENNINGTON.

A cross on the outer edge of capstone and at the center of west parapet of the most southerly arch of railroad culvert at Baldwin's Creek about two-fifths mile northerly from the Reading station. The mark is about six feet lower than the rail of the track and about 12 feet away. Eleva., 181.24 ft.

PENNINGTON.

A cross, directly over keystone of arch, on the outer edge of stone cap of east parapet of culvert carrying the Reading Railroad over a stream about 500 yards south of the station. Eleva., 179.28 ft.

PENNINGTON.

A cross at the corner and on the east end of dam of small pond on Jacob's Creek on the north side of the Titusville road, about two and one-half miles west of Pennington. (The road is the one leading west about one-half mile south of the railroad station at Pennington.) Eleva., 131.77 ft.

PENNINGTON.

A cross on the outer edge at the north end of brownstone door sill of entrance under the tower to the First Presbyterian Church on the east side of Main Street near Delaware Avenue. Eleva., 218.78 ft.

PRINCETON.

At the center of a triangle cut on the north end of the door sill at the west entrance to the Hall of Science. Eleva., 208.51 ft.

- PRINCETON.** Eleva., 203.70 ft.
A cross on the highest stone step 1.6 feet from the hinge of east iron door at main northerly entrance to Palmer Physical Laboratory. The cross is at the left side as you enter.
- PRINCETON.** Eleva., 167.79 ft.
A cross on the east end of the stone door sill of the west entrance on the northerly side of the Geological Laboratory. The cross is immediately at the beveled portion of base stone of archway.
- PRINCETON.** Eleva., 194.31 ft.
A cross on the east end of the granite door sill at the tower entrance to the Methodist Episcopal Church. The cross is five and one-half inches out from the door jamb, and two inches east.
- ROBBINSVILLE.** Eleva., 87.34 ft.
A cross on the outer corner of the second stone step of four steps forming the southerly end of west wall of P. R. R. arch culvert over Miry Run, about three-quarters mile northeast of the station. The cross is about eleven feet below the rail.
- ROBBINSVILLE.** Eleva., 91.89 ft.
A cross on the center of cap of southerly parapet of concrete highway bridge over Miry Run, about three-quarters mile northeast of the station and near the P. R. R. track. The cross is directly over the center of opening for the stream.
- ROBBINSVILLE.** Eleva., 125.24 ft.
A cross on the outer edge at the northerly end of bottom cement step of the most northerly entrance on the northeast face of hotel, opposite the P. R. R. station. The building is on the westerly side of Robbinsville-Hamilton Square highway.
- ROBBINSVILLE.** Eleva., 125.47 ft.
A cross on the inner corner at the northwest end, and directly below the edge of a window, of top concrete step at entrance to office of the Lumber Co. at the railroad station. The building is on the westerly side of the Robbinsville-Allentown highway.
- STOUTSBURG.** (See Somerset County.)
- TITUSVILLE.** Eleva., 63.23 ft.
A cross cut on the east end of the stone door sill at the front entrance of brick Presbyterian Church.
- TITUSVILLE.** Eleva., 58.63 ft.
A cross on the southwest corner of a stone on the west end of the north abutment of a bridge in the rear of the Presbyterian Church, carrying the Pennsylvania Railroad over a dry water course.
- TITUSVILLE.** Eleva., 61.79 ft.
A cross on the westerly end of door sill of main entrance to the Hotel Delaware near the railroad station.
- TITUSVILLE.** Eleva., 60.47 ft.
On the center of a brownstone monument on the north side of the highway and about five feet westerly from the nearest rail of the railroad at the station. (The stone is leaning slightly from the vertical.)
- TRENTON.** Eleva., 44.86 ft.
A cross on the outer corner at the south end of second step from the bottom of the most southerly set of steps leading from Third Avenue into the State Prison. The entrance is about 115 yards south of Federal Street.
- TRENTON.** Eleva., 52.61 ft.
A triangle cut in the northeast corner of the most northerly coping stone of the west lock wall of the prison lock of the Delaware and Raritan Canal.

TRENTON.

Eleva., 61.82 ft.

A cross on the southeast corner of stone on the south end of west abutment of railroad bridge at the junction of the canal and feeder one block north of Perry Street.

TRENTON.

Eleva., 51.58 ft.

A cross near the outer corner on the east end of granite door sill of entrance to the Bell Telephone building on the north side of State Street near the Post Office.

TRENTON.

Eleva., 52.30 ft.

A cross on the inner corner at the east end of the lower of two steps at entrance to The Trenton Savings Fund Society building on the south side of State Street west of the Post Office.

TRENTON.

Eleva., 54.25 ft.

On the broad water table, 3.2 feet above the pavement, in the re-entrant angle of stone moulding, 1.1 feet south from produced line of the south jamb of the most southerly window on the west side of the United States Government building, at the northeast corner of Montgomery and State Streets. The point is indicated by an arrow head.

TRENTON.

Eleva., 50.34 ft.

A cross 0.9 foot from the west end of the step, and 0.7 foot in from outside edge, about four inches from the base of the westernmost column, near the west end of the second step from the bottom of the corner entrance to the Mechanics National Bank building at the southwest corner of Warren and State Streets.

TRENTON.

Eleva., 50.43 ft.

A cross 0.6 foot from the outer edge and about 1.2 foot from the east end of top step and landing at the State Street entrance to The School of Industrial Arts of the City of Trenton on the corner of State and Willow Streets.

TRENTON.

Eleva., 51.18 ft.

A point 0.5 foot diagonally in from the southeast corner of the base of the easternmost granite column at the main entrance to the State House.

TRENTON.

Eleva., 62.66 ft.

A cross near the outer corner at the south end of granite door sill of entrance on the east face of the City Hall.

TRENTON.

Eleva., 61.49 ft.

A cross on the outer corner of a large stone at the west end of steps, and about five feet out from the iron gate at the State Street entrance to the City Hall.

TRENTON.

Eleva., 60.40 ft.

A cross about 2.2 feet out from doors on the outer corner at the east end of bluestone door sill at the northerly entrance to the Armory near the City Hall.

WASHINGTON'S CROSSING.

Eleva., 49.12 ft.

A cross on the stone seat at the east end of north truss on the east abutment of the first span of the iron highway bridge over Delaware River.

WASHINGTON'S CROSSING.

Eleva., 58.13 ft.

A cross on the concrete, 5.7 feet west of the iron screw stem of the sluice gate, and six inches in from the edge of the concrete on the canal feeder, at the east side of the Pennsylvania Railroad tracks, and about 90 feet south of the railroad station.

WINDSOR.

Top of bell, at the southerly end of 72 inch cast iron pipe culvert under the railroad, about three-quarters mile northeast of the station. The point is about four and one-half feet below and 18 feet from the rail.

Eleva., 102.01 ft.

WINDSOR.

A cross on the outer corner at the southerly end of white sandstone door sill of most northerly entrance on the west face of Washington Township public school. The structure is about 200 yards southeast of the P. R. R. station and sets back easterly from the Windsor-Carson's Mills highway.

Eleva., 98.54 ft.

WINDSOR.

A cross on the outer corner at the northerly end of brown stone door sill of entrance to Methodist Church. The building was constructed in 1839, and is about 325 yards northwest of the railroad station along the Windsor-Edinburgh highway.

Eleva., 111.57 ft.

WINDSOR.

A cross nine feet from and 0.5 foot below the rail, at the southeast end of easterly concrete abutment of P. R. R. bridge, over Assanpink Creek, about one-half mile southwest of the station.

Eleva., 88.36 ft.

YARDVILLE.

A cross 0.5 foot below the rail and one foot from the southeast end of easterly concrete abutment of P. R. R. bridge over Back Creek, about one and one-quarter mile northeast of the station.

Eleva., 56.88 ft.

YARDVILLE.

A cross on the outer corner and at the base of a wooden post, on the southerly end of concrete floor of porch of Anderson Bros.' building. The structure is of wood and is on the westerly side of the Yardville-Crosswicks road about 75 yards southerly from the P. R. R. crossing.

Eleva., 59.15 ft.

YARDVILLE.

A cross on the outer edge at the northerly end of door sill of upstairs and office entrance, on the northeast face of Zee Zee Rubber Co.'s building. The structure is on the southwest side of the Yardville-Crosswicks highway, and sets back about 200 feet southwest of the road.

Eleva., 56.59 ft.

YARDVILLE.

A cross on the outer edge of the girder seat and four and one-half feet from the girder, on the west end of south concrete abutment of Penn. R. R. bridge over Crosswicks Creek, about one-half mile southwest of station.

Eleva., 35.33 ft.

SECONDARY BENCH MARKS.

HIGHTSTOWN.

Rail at station.

100.8 ft.

ROBBINSVILLE.

Rail of crossing at the station.

122.2 ft.

WINDSOR.

Rail of crossing at the station.

101.0 ft.

YARDVILLE.

Rail at station.

55.8 ft.

MIDDLESEX COUNTY.¹

DUNELLEN.

A cross on the base stone and on the level of the door sill, immediately below the corner of a show window of No. 334 North Avenue. The building is about 50 yards southwest of Prospect Street and is on the northwest side of North Avenue.

Eleva., 57.29 ft.

¹See Bulletins 17 and 19 for chief lists of primary bench marks in this county.

NEW MARKET.

A cross cut on the concrete cap at the south end of pier of L. V. R. R. bridge over small stream about three-quarters of a mile westerly from the station. Eleva., 47.32 ft.

NEW MARKET.

A cross on the concrete walk immediately below the northwest corner of the New Market Supply Company's building southerly from the railroad station. Eleva., 52.73 ft.

PERTH AMBOY.

A cross on the north end of window sill of small window on the High Street face and 12 feet from the rear entrance to the First Presbyterian Church at the corner of High and Market Streets. Eleva., 64.01 ft.

WOODBIDGE.

A cross cut on the north end of stone sill of the south door on the east side of the Pennsylvania Railroad station. Eleva., 17.18 ft.

SECONDARY BENCH MARKS.

BROWN.		
East rail at the station.		53.8 ft.
CRANBURY.		
Rail at station.		118.6 ft.
DAYTON.		
North rail of main track of crossing at the station.		105.3 ft.
EAST SPOTSWOOD.		
Rail at station.		27.1 ft.
HELMETTA.		
North rail of crossing just east of the station.		41.9 ft.
HOFFMAN.		
North rail of crossing at the station.		81.1 ft.
JAMESBURG.		
Rail at station.		82.3 ft.
JAMESBURG.		
Rail at Lower Jamesburg station.		52.2 ft.
KINGSTON.		
Rail at station.		56.3 ft.
OLD BRIDGE.		
Rail at station.		13.5 ft.
OLD BRIDGE.		
Rail at crossing south of the station.		15.3 ft.
OUTCALT.		
Rail at station.		34.2 ft.
PROSPECT PLAINS.		
Rail at station.		125.7 ft.
PROSPECT PLAINS.		
West rail of crossing about one-half mile south of the station.		108.4 ft.
RUNYON.		
Rail at station.		16.9 ft.
SPOTSWOOD.		
Rail at station.		28.9 ft.
SPOTSWOOD.		
Rail of crossing at the station.		29.0 ft.

SOUTH PLAINFIELD.	86.0 ft.
North rail at the station.	
TRACEY.	84.3 ft.
Rail of crossing at the station.	

MONMOUTH COUNTY.¹

ALLAIRE.	Eleva., 63.21 ft.
A cross 0.7 foot out from the building, on the easterly edge of cement walk leading to concrete switch-house on the north side of the railroad track, about 200 yards west of the station.	
ALLAIRE.	Eleva., 48.73 ft.
A cross on the outer corner, at the easterly end of southwest parapet of arch culvert under the railroad just west of the station.	
ALLAIRE.	Eleva., 52.00 ft.
Top of marble monument projecting one and one-half feet above the ground, and marking a property corner on the easterly side of the race-way, about 25 yards in front of and southwest of the railroad station.	
ALLENHURST	Eleva., 14.06 ft.
A cross on the south end of door sill of most northerly entrance, on the west face of the Atlantic Coast Electric Co.'s car barn, at the southeast corner of Main Street and Elberon Avenue. The entrance is a single door and is near the northwest corner of the building.	
ALLENHURST.	Eleva., 17.85 ft.
A cross on the south end of door sill of most southerly entrance, on the west face of the railroad station. The structure is east of the track and the door enters the express company's office.	
ALLENTOWN.	Eleva., 83.36 ft.
A cross on the inner corner at the north end of cement porch floor of fire engine house on the Robbinsville road, about 100 yards from the hotel.	
ALLENTOWN.	Eleva., 87.01 ft.
A cross on the outer corner at the north end of window sill of the most northerly of two windows on the west face of the post office, a cement block structure, on the Robbinsville road 50 yards from the hotel.	
ALLENTOWN.	Eleva., 70.11 ft.
A cross on the southeast corner of bridge seat at the southerly end of west abutment of highway bridge over spillway of pond 100 feet west of the Allentown Roller Mills.	
ALLENTOWN.	Eleva., 103.63 ft.
A cross on the outer corner at the southerly end of flagstone door sill of main entrance to the Presbyterian Church, a red brick building on the road to Davis Station.	
ALLENTOWN.	Eleva., 86.19 ft.
A cross on the outer corner at the southwest end of brown sandstone door sill of corner and main entrance to the Farmers National Bank.	
ALLENWOOD.	Eleva., 63.70 ft.
A cross six inches from the building, on the westerly edge of cement walk leading to concrete switch-house, at the crossing, just west of the railroad station.	
ALLENWOOD.	Eleva., 68.93 ft.
A cross on the westerly end of bluestone window sill of window on the southerly face and at the southwest corner of brick store building, at the forks of the road, near and west of the railroad station. The sill is five feet above the ground.	

¹Supersedes all previous lists.

ALLENWOOD.

Eleva., 63.72 ft.

A cross near the westerly end of cement door sill of easternmost double door entrance, on the southwest face of the blacksmith shop, a red brick structure at the forks of the road, easterly from the railroad station. The floor of the building is the same level.

ALLENWOOD.

Eleva., 65.00 ft.

A cross on the northeast corner of concrete base of bell signal, at the crossing, easterly from the railroad station.

ALLENWOOD.

Eleva., 80.43 ft.

A cross on the northeast corner of concrete base of signal on the north side of the railroad, about one and one-half miles east of the station. The signal is just east of the mile post 31-2.

ASBURY PARK.

Eleva., 25.26 ft.

A cross on the outer corner at the east end of top step at the girls' entrance to school building on Main Street, near Wesley Lake, in Ocean Grove.

ASBURY PARK.

Eleva., 19.64 ft.

A cross on the west end of door sill of main entrance on Lake Avenue to Armory of Company H, 3d Regiment, N. G. N. J.

ASBURY PARK.

Eleva., 24.34 ft.

A cross on the outer corner, at the west end of brownstone door sill of entrance to Sea Coast Building, on the corner of Bond Street and Mattison Avenue.

ASBURY PARK.

Eleva., 25.05 ft.

A cross on the outer corner at the west end of cement floor of alcove at the boys' entrance to public school, corner of Somerfield Avenue and Bond Street. The entrance is on the south face of the building.

ASBURY PARK.

Eleva., 24.58 ft.

A cross on the outer corner at the east end of bluestone door sill of rear entrance, on the southerly face of the First M. E. Church, corner of First and Grand Avenues.

ASBURY PARK.

Eleva., 24.69 ft.

A cross on the outer corner at the south end of first step below the door sill of Grand Avenue entrance to Trinity P. E. Church on the corner of Grand and Asbury Avenues.

ASBURY PARK.

Eleva., 25.90 ft.

A cross on the outer corner at the extreme east end of top granite step of entrance to alcove of Post Office, corner of Somerfield Avenue and Main Street. The cross is immediately below the southwest corner of marble base supporting column of easternmost arch.

ASBURY PARK.

Eleva., 21.53 ft.

A cross on the extreme outer corner at the north end of granite sill of entrance on Main Street to the Asbury Park and Ocean Grove Bank, opposite the railroad station. The cross is immediately below the southwest corner of the base stone of column on the left as you enter the building.

ATLANTIC HIGHLANDS. U. S. C. S. -1.

Eleva., 13.77 ft.

A red metal disc in the stone door step on the north side of Antonides drug store, a brick building just south of the railroad station.

AVON BY THE SEA.

Eleva., 17.48 ft.

A cross on the south end of bluestone door sill of rear entrance on the west face of the public school, a brick structure about 200 yards directly east of the railroad station. The entrance is at the northwest corner of the higher portion of the building.

AVON BY THE SEA.

Eleva., 19.79 ft.

On the outer edge, and at the face of the building, of second step on the top step or slab of front entrance to St. Elizabeth's Church, two blocks directly east of the railroad station.

BELMAR.

Eleva., 21.70 ft.

A cross on the east end of bluestone door sill of entrance, on the south face of office of the Coast Gas Co., a brick building on 16th Avenue, just west of the railroad track.

BELMAR.

Eleva., 18.34 ft.

A cross on the outer edge, at the west end of door sill of entrance to boiler room on the south face of the Belmar water works on 12th Avenue, west of the railroad tracks.

BELMAR.

Eleva., 23.57 ft.

A cross next to the door jamb, at the south end of a large brown sandstone step at the main entrance to school building, on the corner of F Street and 12th Avenue.

BELMAR.

Eleva., 17.24 ft.

A cross on the outer edge at the south end of door sill of entrance, on the west face of the railroad station.

BELMAR.

Eleva., 20.12 ft.

A cross on the outer edge at the east end of top granite step and sill of entrance to the Coast Gas Co.'s Building on 9th Avenue, about 100 yards east of the railroad.

BELMAR.

Eleva., 16.86 ft.

A cross on the southwest end of door sill of corner entrance to the First National Bank on the southeast corner of F Street and 9th Avenue.

BRADLEVILT.

Eleva., 162.77 ft.

A cross on the level of the truss seat and on the northeast corner at the north end of west concrete abutment of steel highway bridge over railroad just south of the station.

BRADLEVILT.

Eleva., 161.93 ft.

A cross on the east end of brownstone door sill and step of the most westerly entrance on the south face of the Reformed Dutch Church.

BRADLEY BEACH.

Eleva., 26.12 ft.

A cross five inches from the east edge and near the center of bluestone cap, on the south pier supporting iron post of roof over driveway, at entrance, on the east face of the railroad station.

BRADLEY BEACH.

Eleva., 24.81 ft.

A cross on the west end of door sill of most westerly entrance, on the south face of Borough Hall, a brick structure on north side of the park at the railroad station.

BRADLEY BEACH.

Eleva., 23.61 ft.

A cross on the extreme right and on the level of the bottom step, at the base of brick support of arch of Bringley Avenue entrance to public school, east of the railroad station. The cross measures 7.5 feet from a point projected below the keystone of the arch.

BRADLEY BEACH.

Eleva., 23.59 ft.

A cross at the face of the building and on the south end of granite sill and step of tower entrance, on the west face of Catholic Church, two blocks east of the railroad station on Bringley Avenue.

CREAM RIDGE.

Eleva., 118.94 ft.

Top of red brick foundation at the center of the north face of the railroad station.

- CREAM RIDGE.** Eleva., 122.35 ft.
Northwest bolt holding gasoline stand to concrete foundation on the southerly side of the highway about 50 yards east of the railroad.
- CREAM RIDGE.** Eleva., 134.51 ft.
A cross next to the building on the north end of the first cement step below the door sill of entrance on the west face of the church.
- DAVIS.** Eleva., 124.79 ft.
A cross on the outer corner of concrete counterfort at the northwest corner of foundation of creamery at the railroad station.
- DEAL BEACH.** Eleva., 32.68 ft.
A cross on the north end of door sill of northerly entrance, on the west face of the railroad station, east of the track.
- DEAL BEACH.** Eleva., 30.33 ft.
A cross on the center of cement window sill of most westerly window on the north face of the N. J. Water and Light Co.'s power house on the east side of the railroad, about three-quarters mile north of the station.
- ELBERON.** Eleva., 37.39 ft.
A cross on the north end or door sill of most southerly entrance on the west face of the railroad station, east of the track.
- ENGLISHTOWN.** Eleva., 71.64 ft.
A cross on the corner at the westerly end of southerly concrete wall of small highway bridge over brook about 200 feet northeast of the railroad track on the Englishtown-Bergen Mills road. The highway crosses the track about one-quarter mile northwest of the station.
- ENGLISHTOWN.** Eleva., 71.86 ft.
A cross 2.6 feet above the crest of the spillway and one foot out from the post of bridge railing, at the easterly end of southerly concrete abutment of steel highway bridge over stream, at the old mill on Main Street. The overflow of a lake is at the bridge.
- ENGLISHTOWN.** Eleva., 72.97 ft.
A cross on the outer corner at the north end of concrete slab forming the top step of three steps at the main entrance to Sanford Memorial M. E. Church, on the west side of Main Street.
- ENGLISHTOWN.** Eleva., 72.67 ft.
A cross on the outer edge at the southerly end of door sill of corner entrance to First National Bank on the southwest corner of Main and Water Streets.
- ENGLISHTOWN.** Eleva., 72.43 ft.
A cross on the extreme outer corner at the south end of top step of Main Street entrance to W. E. Mount Co.'s store opposite Water Street.
- ENGLISHTOWN.** Eleva., 79.72 ft.
A cross on the southeast corner of concrete base of signal, north of the track and on the west side of the crossing at the railroad station.
- FAIRFIELD.** Eleva., 117.77 ft.
A cross on the northeast corner of concrete base of bell signal for trains at the railroad station. The cross is six and one-half feet southerly from the rail and the signal is about 50 feet southeast of the station. The elevation of the rail at the crossing is 118.1.
- FARMINGDALE.** Eleva., 74.32 ft.
A cross on the southeast corner of concrete base of railroad signal, on the southerly side of the track and 200 ft. southeast of a crossing, about three-quarters mile northwest of the station along the P. R. R.

FARMINGDALE.

Eleva., 71.77 ft.

A cross on the level of the girder seat and on the outer corner at the northerly end of southeast concrete abutment of P. R. R. bridge over Marsh Bog Brook, about three-quarters mile northwest of the station.

FARMINGDALE.

Eleva., 74.15 ft.

A cross on the southeast edge of cement walk leading to concrete switch house, at the crossing, about one-quarter mile northwest of the station along the Pennsylvania Railroad. The cross is at the entrance and six inches below the sill.

FARMINGDALE.

Eleva., 74.29 ft.

A cross six inches from the north end of cement sill of entrance on the west face of baggage room at the railroad station. The cross is immediately under the sliding door and the entrance faces the N. J. Central tracks.

FARMINGDALE.

Eleva., 75.88 ft.

A cross on the northwest corner of cement block anchor of guy wire of stack at A. C. Soper Co.'s plant, about 200 yards north of the railroad station. The anchor is on the west side of the highway and west of the Central R. R. tracks.

FARMINGDALE.

Eleva., 79.49 ft.

A cross on the outer corner at the northerly end of cement door sill of single door entrance to the engine house of the Fire Department, a brick and shingle structure built in 1911, on Main Street.

FARMINGDALE.

Eleva., 81.44 ft.

Top edge of marble corner stone at the south corner of the Fire Department building on Main Street. The date on the stone is 1911.

FARMINGDALE.

Eleva., 44.04 ft.

A cross on the level of the girder seat and on the southeast corner of a large stone at the southerly end of westerly abutment of P. R. R. bridge over a stream about one mile southeast of the station. The cross is eight feet from the girder.

FREEHOLD.

Eleva., 186.23 ft.

A cross cut two and one-half inches south of the intersection of the three joints formed by the three most southerly stones in the south corner of the large triangular base of the Monmouth Battle Field Monument. The cross is two and one-half inches south of the north apex of the stone which abuts on its south sides against the octagonal gun pedestal, which is built at the south corner of the triangular base.

FREEHOLD.

Eleva., 181.69 ft.

A square cut on the northwest end of brownstone door sill of entrance to ladies' waiting room, on the northeast face of the P. R. R. station.

FREEHOLD.

Eleva., 176.70 ft.

A cross eight feet from the southwest corner, on the base stone of the Laird building. The structure is on the northerly side of West Main Street, about 100 yards northeast of the P. R. R., and the cross is on the left of the center entrance.

FREEHOLD.

Eleva., 178.49 ft.

A cross on the westerly end of brownstone door sill of entrance to First National Bank, on the northerly side of West Main Street, about 125 yards northeast of the P. R. R. crossing.

FREEHOLD.

Eleva., 177.74 ft.

A cross cut on the east end of stone door sill of the Sheriff's office, being the most easterly of two doors in the middle of the front of Monmouth County Court House.

- FREEHOLD.** Eleva., 146.17 ft.
A cross on the southwest corner of fourth stone step below the girder seat at the southerly end of easterly abutment of P. R. R. bridge over roadway, about one-half mile easterly from the station. The date 1890 is on the face of the stone.
- FREEHOLD.** Eleva., 127.20 ft.
A copper bolt in the stone cap at the westerly end of southerly parapet of P. R. R. stone arch bridge over stream, about one and one-quarter miles southeast of the station. The bridge is about 150 yards easterly from a highway crossing.
- GALILEE. (See MONMOUTH BEACH.)**
- HIGHLANDS. U. S. C. S. -2.** Eleva., 13.77 ft.
A red metal disc in the top of the eastern pier of the railroad draw-bridge.
(Note: This bench mark is on the southeast wing wall at the east end of bridge, near Highland Beach Station.)
- HIGHLANDS. U. S. C. S. -3.** Eleva., 202.41 ft.
This bench mark is a mark on top surface of a heavy granite post near Navesink lighthouse. The post is deeply imbedded and its top projects about one and one-half feet above the surface of the ground. It is 13 meters (42.6 feet) south of the southernmost tower of Navesink Highlands lighthouse.
- HIGHLANDS. U. S. C. S. -4 (Primary mark D.)** Eleva., 207.53 ft.
This bench mark is the bottom surface of a square cavity (about one inch square) cut on a sloping ledge at southeast corner of base of southernmost lighthouse tower at Navesink Highlands light.
- HOLLYWOOD. (See WEST END.)**
- HORNERSTOWN.** Eleva., 61.86 ft.
A cross on the outer corner of bridge seat at the west end of south abutment of highway bridge over a stream just east of the railroad track, 275 yards north of the station.
- HORNERSTOWN.** Eleva., 82.74 ft.
A cross on the cement walk at the southwest corner of the building and at the south end of the steps of the church, 100 feet north of the cross-roads on the road leading to Cream Ridge.
- HORNERSTOWN.** Eleva., 71.01 ft.
A cross on the southwest corner of south parapet of brick and stone arch highway bridge over stream about 100 yards west of the railroad crossing.
- HOWELL.** Eleva., 124.21 ft.
A cross on the northwest corner of concrete pier supporting the north-west wooden post of framework holding a water tank just east of the railroad station. The cross is 8 feet southerly from the rail, and a trifle below. The elevation of the rail at the crossing nearby is 124.3 feet.
- KEYPORT. U. S. C. S. -5.** Eleva., 36.30 ft.
A red metal disc in the east end of the door step on the north side of the station of the Central Railroad of New Jersey.
- KEYPORT. U. S. C. S. -6.** Eleva., 22.91 ft.
The center of a cross cut in the east corner of the stone door sill of the First National Bank, or Keyport Banking Co. The structure is on the south side of Front Street, east of Broad.
- KEYPORT. U. S. C. S. -7.** Eleva., 42.15 ft.
A cross cut on a brick in the front or north side of the Aberdeen Hotel. The cross is about 1.5 feet west of the western door of the hotel and about 2.5 feet above the porch floor.

- KEYPORT.** Eleva., 21.61 ft.
A cross on the north end of bluestone door sill of Broad Street entrance to People's National Bank on the west side of Broad, about 200 feet south of Front Street.
- KEYPORT.** Eleva., 26.60 ft.
Top edge and corner of marble cornerstone at the northwest corner of the Raritan Guard Public Library, on the east side of Broad, about one block south of Front Street.
- KEYPORT.** Eleva., 35.39 ft.
A cross on the west end of door sill of entrance on the south face and near the southwest corner of public school at Broad and Mott Streets.
- LAKE COMO.** Eleva., 20.95 ft.
A cross on the outer corner at the north end of door sill of most southerly entrance on the west face of the railroad station.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 11.27 ft.
A cross on the southeast corner at the east end of south concrete parapet of culvert under Pavilion Avenue at its intersection with Second Avenue. The culvert is west of the New Jersey Central Railroad tracks.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 21.82 ft.
A cross on the west end of bluestone door sill of Broadway entrance to Citizens National Bank, on the south side of Broadway, 200 feet east of Third Avenue.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 25.01 ft.
A cross on the outer corner at the south end of door sill of the Third Avenue entrance to the New York Telephone building, on the east side of Third Avenue, about 100 feet south of Belmont Avenue.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 26.42 ft.
A cross on the west end of bluestone door sill of tower entrance on Garfield Avenue to Simpson Memorial M. E. Church, on the southeast corner of Garfield and Third Avenues.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 27.71 ft.
A cross on the outer corner at the south end of top granite step of the first flight, at entrance to the Post Office on Third Avenue, opposite Garfield Avenue. The top step is the sixth from the sidewalk and forms the landing.
- LONG BRANCH. (LONG BRANCH CITY.)** Eleva., 14.93 ft.
A cross on the northwest corner of second stone step from the top on the north end of east abutment of Eatontown branch of Central Railroad over Long Branch Avenue. The bridge is on the curve of the track southwest of East Long Branch station, and the stone is the first below the girder seat.
- LORILLARD. U. S. C. S. -8.** Eleva., 13.55 ft.
A red metal disc in the top of the northwest pier of the small masonry bridge, about 200 meters (about 650 feet) east of the railroad station.
- MANASQUAN.** Eleva., 19.37 ft.
A cross on the outer edge at the easterly end of granite door sill and step of entrance to the Manasquan National Bank on Main Street, just east of South Street.
- MANASQUAN.** Eleva., 19.66 ft.
A cross on the cement floor of porch, immediately below the east corner, of the Osborn Hotel, at the corner of South and Main Streets. The floor of the porch and the sidewalk are on the same level.
- MANASQUAN.** Eleva., 24.93 ft.
A cross on the outer corner at the south end of door sill of most southerly entrance, on the west face of Presbyterian Church at the corner of South Street and Virginia Avenue.

MANASQUAN.

Eleva., 20.23 ft.

A cross on the outer corner at the south end of cement step or sill of entrance to the Osborn Hardware store, a frame building on the west side of Broad Street, about 200 feet north of Main Street.

MARLBORO.

Eleva., 114.37 ft.

A cross six inches from the outer corner of the stone on which rests the south end of east girder, near the east end of south abutment of New Jersey Central Railroad bridge, over stream about three-quarters mile north of the station.

MARLBORO.

Eleva., 150.31 ft.

A cross on the west end of basement window sill of the most westerly window on the south face of the Monmouth County Farmers' Exchange, a brick structure east of the railroad track and on the north side of the highway, just north of the station.

MARLBORO.

Eleva., 155.18 ft.

A cross at the door casing on the west end of cement step and sill of entrance to the office of Abbott Worldley Co., a small brick building west of the track and at the crossing just north of the railroad station.

MATAWAN.

Eleva., 54.56 ft.

A cross on the outer corner at the northeast end of door sill of upstairs entrance to the Gehlhaus Building, a brick structure on the southeast side of Main, at the corner of Little Street. The entrance is the first southerly from Little Street.

MATAWAN.

Eleva., 58.41 ft.

A cross, 3.5 feet above ground, on the northeast end of brownstone window sill of northernmost window on the Main Street face of M. E. Church near Little Street.

MATAWAN.

Eleva., 56.17 ft.

On the south (outer) corner of polished granite base stone of the southwestern pillar at entrance to the Farmers and Merchants National Bank, on the westerly side of Main Street.

MATAWAN.

Eleva., 35.91 ft.

A cross on the south end of stone door sill of Episcopal Church on Main Street.

MATAWAN.

Eleva., 63.91 ft.

A cross on the northeast end of the northeasternmost basement window sill on the southeast face of the Matawan High School, a brick building on the southwest side of Jackson Street, corner of Broad.

MONMOUTH BEACH.

Eleva., 9.17 ft.

A cross on the south end of door sill of the most southerly entrance, on the west face of Monmouth Beach station of the New Jersey Central Railroad.

MONMOUTH BEACH.

Eleva., 8.04 ft.

A cross on the southwest corner of concrete pier supporting the south-west wooden post of roof over platform at the Galilee station of the New Jersey Central Railroad. The pier is 24 feet from the south face of the station building.

MORGANVILLE.

Eleva., 98.52 ft.

Top of iron pipe at the northwest end of culvert under highway about three-eighths mile southwest of the railroad station. The road crosses the track at the station.

MORGANVILLE.

Eleva., 102.30 ft.

A cross on the topmost point and center of cement cap of the northernmost brick parapet of iron pipe culvert under highway, about three-eighths mile southwest of the railroad station. The road crosses the track at the station.

MORGANVILLE.

Eleva., 110.94 ft.

A cross seven feet above ground on the east end of cement door sill of most westerly entrance, on the north face of the R. V. C. Co.'s factory, on the easterly side of the track about one-quarter mile north of the railroad station. The building is of red brick and is the largest of the plant.

MORGANVILLE.

Eleva., 136.27 ft.

A cross on a foundation stone projecting beyond the east face of the west brick pier supporting frame of overhead highway bridge over railroad, one-third mile south of the station. The cross is 3.3 feet below the top and two feet from the north end of the pier.

NELSONVILLE. (IMLAYSTOWN STATION.)

Eleva., 115.72 ft.

A cross next to the building on the west end of cement step at entrance to the post office on the east side of the tracks at the railroad station.

NELSONVILLE. (IMLAYSTOWN STATION.)

Eleva., 114.23 ft.

On the east end of cement wall in front of the post office at the railroad station.

NELSONVILLE. (IMLAYSTOWN STATION.)

Eleva., 112.36 ft.

Most easterly bolt in the northwest concrete pier supporting frame of water tank south of the highway and east of the railroad, at the station.

NEW MONMOUTH. (NORTH LONG BRANCH.)

Eleva., 14.82 ft.

A cross on the south end of door sill of the second entrance from the northwest corner and on the west face of the New Jersey Central Railroad station on Atlantic Avenue and east of the tracks.

NEW MONMOUTH. (NORTH LONG BRANCH.)

Eleva., 19.42 ft.

A cross on the west end of brownstone door sill of tower entrance on Atlantic Avenue to Asbury M. E. Church on the northeast corner of Church St. and Atlantic Avenue.

NORTH ASBURY PARK.

Eleva., 14.84 ft.

On the outer corner at the east end of door sill of the upstairs entrance to a white brick structure on the south side of Fifth Avenue, at the railroad. The building is the first east of the tracks, and the entrance is about 25 feet from the west face.

NORTH ASBURY PARK.

Eleva., 14.14 ft.

A cross on the outer corner at the south end of door sill of entrance to the waiting room, on the west face of the railroad station, east of the tracks.

NORTH ASBURY PARK.

Eleva., 10.37 ft.

A cross three and one-half feet from the girder and on the northeast corner of the girder seat, at the east end of south concrete abutment of railroad bridge over Deal Lake, just north of the station. The bridge is the most southerly of two.

OCEAN GROVE. (See ASBURY PARK.)**PORT MONMOUTH. U. S. C. S. -9.**

Eleva., 14.11 ft.

A red metal disc set in the brick wall of a house, which is south of the track and on the east side of the road crossing the track near the station. The bench mark is in the northwest corner of the cellar wall.

RED BANK.

Eleva., 45.77 ft.

A cross cut on the south end of front door sill of the old First National Bank Building on Broad Street.

RED BANK.

Eleva., 44.25 ft.

A cross on the outer edge at the north end of door step and sill of entrance to No. 40 Broad Street, occupied by the Red Bank Register. The building is on the west side of Broad, about 50 feet north of White Street.

RED BANK.

Eleva., 43.73 ft.

On the extreme outer corner at the south end of granite step of Broad Street entrance to the Red Bank Trust Co., a marble structure on the east side of Broad Street, just north of Monmouth Avenue. The point is six feet south of the south door hinge and 0.6 feet above the sidewalk.

RED BANK.

Eleva., 43.09 ft.

A cross cut on northeast corner of lower stone step of Monmouth Avenue entrance of M. E. Church, on the corner of Broad Street.

RED BANK.

Eleva., 41.08 ft.

On the outer corner at the west end of bluestone door sill of upstairs entrance to Navesink Lodge No. 39, I. O. O. F., a yellow brick structure of three stories on the north side of Monmouth Avenue, about 200 feet west of Broad Street.

RED BANK.

Eleva., 40.80 ft.

On the outer corner, at the extreme west end, and six feet west of the center of entrance of marble base stone of Patterson Building, a one-story structure used as the Post Office. The building is on the north side of Monmouth Avenue, about 100 yards west of Broad Street.

RED BANK.

Eleva., 43.56 ft.

A cross on the west end of bluestone door sill of driveway entrance, at the northeast corner of St. James Catholic Church, on Broad Street south of Monmouth Avenue. The entrance is under the porch, which extends across the driveway.

SANDY HOOK. U. S. C. S. -10.

Eleva., 8.56 ft.

A bench mark of the Ordnance Department near the office building of the Sandy Hook proving grounds and about 60 meters (197 feet) northwest of a small water tank which is north of and across the railroad tracks from the office building. The bench mark is a copper bolt in the top of a granite post set in the ground and surrounded by cement.

SANDY HOOK. U. S. C. S. -11.

Eleva., 19.53 ft.

This bench mark is a cross on the head of a copper bolt driven into the wall of the main lighthouse, at Sandy Hook. The main lighthouse is an octagonal tower, resting upon a circular foundation of unhewn stones. This foundation projects on all sides about 8 inches, beyond the base of the tower, so as to form a sloping ledge. The copper bolt is a few inches westward of the northwest angle, and nine and one-quarter inches above the ledge.

SANDY HOOK. U. S. C. S. -12.

Eleva., 12.45 ft.

A cross cut in the top of an iron bolt set in cement about 3 meters (10 feet) northeast of the northeast corner of the Army Engineer building near the wharf.

(This is a U. S. E. bench mark.)

SANDY HOOK. U. S. C. S. -13.

Eleva., 10.76 ft.

A marble post about four feet long, the upper part dressed and the letters U. S. C. S. carved in the upper surface; in the center of the face there is a small cavity, about half an inch in dimensions. This mark is on the western slope of the high ridge at Sandy Hook, just east of the New Jersey Southern Railroad wharf. It is below the crest of the ridge, sheltered by vegetation, and 375 feet west of the western corner of the round house of the railroad.

SEA BRIGHT.

Eleva., 9.93 ft.

A cross on the outer corner at the south end of top step at the most southerly entrance, on the east face of M. E. Church on the corner of Ocean Avenue and Church Street. The cross is at the entrance to alcove.

SEA BRIGHT.

Eleva., 6.31 ft.

A cross on the outer edge and six inches from the north end of brownstone step at entrance to alcove of First National Bank on the west side of Ocean Avenue, two doors north of River Street.

SEA BRIGHT.

Eleva., 7.89 ft.

A cross on the outer edge at the north end, of bluestone door sill of entrance, on the west face of the railroad station on the west side of the tracks, near the east end of the bridge over the Shrewsbury River.

SEA BRIGHT.

Eleva., 7.09 ft.

A cross on the center and topmost point of the southeast concrete base supporting metal frame flag pole at L. S. S. No. 99, on the west side of the railroad tracks about one mile north of Sea Bright Railroad station.

SEA GIRT.

Eleva., 20.36 ft.

A cross on the northeast corner of southeast concrete pier supporting automatic signal frame at the crossing just below the railroad station. The pier is east of the tracks.

SEA GIRT.

Eleva., 19.49 ft.

A cross on a small ledge of stone chimney at the north end of Governor's cottage, near the railroad station. The cross is about 0.7 foot below the water table of building and 0.4 foot from the west edge of the chimney.

SEA GIRT.

Eleva., 26.98 ft.

A cross on the southwest corner of the southwest concrete pier supporting frame of water tank west of the railroad tracks and about 300 yards north of the station.

SEA GIRT.

Eleva., 10.52 ft.

A cross, 3.3 feet from the girder and 3.5 feet above the girder seat, on the northeast corner at the east end of south concrete abutment of railroad bridge over Wreck Pond, about three-quarters mile north of the station.

SPRING LAKE BEACH.

Eleva., 12.97 ft.

A cross on the center of cement cap of west parapet of railroad culvert over North Branch of Wreck Pond, about one-third mile south of the station.

SPRING LAKE BEACH.

Eleva., 17.48 ft.

A cross on the east end of cement door sill of front entrance to Spring Lake waterworks pumping station, east of the railroad track about 300 yards south of the station.

SPRING LAKE BEACH.

Eleva., 22.72 ft.

A cross on the outer corner at the north end of white sandstone door sill of the south entrance, on the west face of the railroad station, east of the tracks.

SPRING LAKE BEACH.

Eleva., 28.16 ft.

A cross on the north end of bluestone door sill on the west face and at the northwest corner of brick school building at 5th and Warren Avenues. The structure is diagonally across the park from the railroad station.

SPRING LAKE BEACH.

Eleva., 18.35 ft.

Elevation of underground mark 13.98.

A stone monument on the east side of Ocean Avenue about 20 paces south of and at right angles to the south curb line prolonged, of Washington Avenue, and about 30 paces east of the west curb line of Ocean Avenue as it is put down in front of Life Saving Station No. 8 (old number). The bearing from the stone to the nearest corner of the station, which is now on the northwest corner of Washington and Ocean Avenues, is about 20° northwest and the distance about 60 paces. The monument projects a little above the surrounding surface. The bench mark is known as No. 4, as recorded in N. J. Geological Survey Report of 1888.

TENNENT.

Eleva., 76.65 ft.

A cross on the level of the girder seat and on the outer corner at the northerly end of easterly concrete abutment of P. R. R. bridge, over Wemrock Brook, about three-quarters mile northwest of the station. The cross is fifteen and one-half feet from the bridge railing.

TENNENT.

Eleva., 90.59 ft.

A cross on the easterly end of cement door sill of entrance to waiting room on the southwest face of the railroad station.

TENNENT.

Eleva., 89.13 ft.

A cross on the outer corner at the northeast end of cement door sill of double door entrance, on the westerly face of factory of the Tennent Products Company, on the southeast side of, and back 150 feet from Main Street, 325 yards northeast of the railroad station.

TENNENT.

Eleva., 121.75 ft.

A cross on the level of the girder seat and on the southwest corner of a large stone on the south end of east abutment of railroad bridge over a highway, about one mile east of the station.

TENNENT.

Eleva., 140.07 ft.

A cross on the level of the girder seat and on the southwest corner of a large stone at the south end of east abutment of railroad bridge over highway, about one and three-quarter miles east of the station. The bridge is about 100 feet southerly from the Freehold-Tennent highway.

WATER WITCH. U. S. C. S. -14.

Eleva., 9.39 ft.

A red metal disc in the concrete base of a signal pole about 0.9 mile west of the railroad station. The signal pole is north of the railroad track and close to the rip-rap sea wall.

WEST END. (HOLLYWOOD.)

Eleva., 24.71 ft.

A cross on the southeast corner of the stone on which the north end of east girder rests at the east end of north abutment of railroad bridge over a roadway near Lake Takanassee, about one-quarter mile south of the West End-Hollywood station.

WEST END. (HOLLYWOOD.)

Eleva., 12.26 ft.

Elevation of underground mark 7.57 feet.

A stone monument on the lot of the Life Saving Station No. 5 (old number), 10 feet measured perpendicularly from the middle of the west end of old station building, which is along the lake and south of the new station. The line of face of north abutment of the new Ocean Avenue bridge over Lake Takanassee passes six feet to the south of center of monument, and the stone is 229.5 feet east of the east curb of Ocean Avenue. The top of the monument is about 0.5 foot below the surface of the ground. (This is monument No. 3, N. J. G. S., Report of 1888.)

WEST END. (HOLLYWOOD.)

Eleva., 26.33 ft.

A cross on the northeast corner of cement pier supporting iron column of roof at the southeast corner of the railroad station building on the west side of the tracks. The cross is about 0.75 foot above the cement platform.

WEST END. (HOLLYWOOD.)

Eleva., 23.93 ft.

A cross on the east end of bluestone door sill of center entrance on Brighton Avenue to the Henry Hotel on the corner of Palmer Street about one block east of the railroad station.

WICKATUNK.

Eleva., 116.88 ft.

A cross on the outer edge at the center of east parapet of concrete culvert under the railroad about 300 yards north of the station. The cross is considerably below the track.

WICKATUNK.	Eleva., 147.83 ft.
Bottom of water table at the northeast corner of William Smock's residence, west of the track, directly opposite the railroad station.	
WICKATUNK.	Eleva., 159.52 ft.
A cross on the southeast corner of a red brick on the southeast corner, at the south end of west pier supporting frame of overhead highway bridge over the railroad, just south of the station.	
YELLOW BROOK.	Eleva., 82.10 ft.
A cross on the southeast corner of fourth stone step from the girder seat at the southerly end of westerly abutment of P. R. R. bridge over stream about one-half mile westerly from the station.	
YELLOW BROOK.	Eleva., 88.46 ft.
A cross on the northwest corner of concrete base of bell signal on the southerly side of the railroad track at crossing, by the station.	
YELLOW BROOK.	Eleva., 88.89 ft.
An iron hub at the center point between the rails and marking the P. C. of a curve to the right, at mile post 10-23, just east of the station. There is a large cross in the top of the iron post.	

SECONDARY BENCH MARKS.¹

ALLAIRE.	68.8 ft.
Northeast rail of crossing about 0.3 mile northwest of station.	
ALLAIRE.	52.4 ft.
Southwest rail of crossing at the station.	
ALLENWOOD.	64.8 ft.
South rail of crossing easterly from station.	
AVON-BY-THE-SEA.	12.4 ft.
Rail at station.	
BRADEVELT.	145.7 ft.
Rail at station.	
CREAM RIDGE.	117.0 ft.
East rail of crossing at the station.	
CREAM RIDGE.	135.12 ft.
On the outer corner at the north end of wooden sill of entrance to church.	
CREAM RIDGE.	109.1 ft.
East rail of crossing one mile southeast of the station.	
DAVIS.	121.1 ft.
East rail of crossing at the station.	
DAVIS.	121.4 ft.
Point of frog of siding to creamery 200 feet southerly from the railroad station. The frog is the most northerly of two frogs close together.	
EAST FREEHOLD.	175.5 ft.
Rail of crossing at the station.	
ENGLISHTOWN.	79.3 ft.
Northerly rail of crossing at the station.	
FAIRFIELD.	118.1 ft.
Northeast rail of crossing at the station.	

¹"Rail at station" means rail joint nearest the center of the station. "Rail at crossing" means rail joint; if no joint is at the crossing, the elevation is taken in the center of the road way. The elevations are given to the nearest tenth of a foot, except where otherwise noted.

FARMINGDALE.	72.0 ft.
Southeast frog of crossing of the two railroads at the station.	
FRENEAU.	75.2 ft.
South rail of crossing at the station.	
HORNERSTOWN.	83.6 ft.
Bottom edge of baseboard (top of foundation) at the northwest corner of the church on the Cream Ridge road.	
HORNERSTOWN.	90.65 ft.
A cross on the outer corner at the easterly end of cement porch floor of a small one-story building on the southerly side of the highway about 250 feet east of the railroad station.	
HORNERSTOWN.	83.4 ft.
Easterly rail of crossing at the station.	
HORNERSTOWN.	79.7 ft.
Point of frog of siding 250 feet southerly from the station.	
HOWELL.	124.3 ft.
Southerly rail of crossing at the station.	
JONES SIDING. (FREEHOLD)	126.8 ft.
Southerly rail of crossing southeast of mile post 19.	
LOW MOOR.	5.5 ft.
Rail at station.	
MATAWAN.	35.7 ft.
Northeast frog of crossing of the Long Branch R. R. and the Freehold branch.	
MORGANVILLE.	122.0 ft.
Rail at station.	
NELSONVILLE. (IMLAYSTOWN STATION.)	110.9 ft.
East rail of main track of crossing at the station.	
NORMANDIE.	9.0 ft.
Rail at station.	
SPRING LAKE BEACH.	20.2 ft.
Rail at station.	
TENNENT.	89.6 ft.
Northeast rail of crossing at the station.	
WICKATUNK.	145.5 ft.
Rail at station.	
YELLOW BROOK.	88.7 ft.
Northerly rail of crossing at the station.	

MORRIS COUNTY.¹

BARTLEY.	Eleva., 642.70 ft.
A cross 2.6 feet below the rail on the outer corner at the south end of easterly abutment of Central Railroad Bridge about 0.7 mile northeast of the station.	
BARTLEY.	Eleva., 613.40 ft.
A cross on the outer corner at the west end of cement door sill of double-door entrance on the southerly face of foundry belonging to William Bartley and Sons. The building is southwest of the railroad station on the north side of the highway close to the tracks, and the entrance is the one nearest the road.	

¹Supersedes all previous lists.

CEDAR KNOLLS. (MONROE STATION.) Eleva., 258.68 ft.

A cross about 50 feet north of the north rail of main track on the center of the north concrete parapet of small culvert under the Morristown and Erie Railroad about one-quarter mile northeast of Monroe station. A railroad siding leaves the main track at this point.

CHATHAM. Eleva., 242.84 ft.

A cross cut in the sixth coping stone from the north end, in the center of the east parapet of the Delaware, Lackawanna and Western Railroad bridge over Passaic River. This coping stone is six feet long by three feet wide. The cross is 26.1 feet from the north end and 45.6 feet from the south end of the east parapet.

CHATHAM. Eleva., 234.16 ft.

A cross cut in the west end of the sill (2 inches from the edge, three and one-half inches from the brick wall and 10 inches from the door saddle) at the entrance to the Mayor's Office and Library at the west end of the Town Hall, which stands on the north side of Fairmount Avenue between the Delaware, Lackawanna and Western Railroad and Main Street.

CHATHAM. Eleva., 261.97 ft.

A cross cut in the stone parapet on the east side of the steps leading to the front entrance of the public-school building, which stands on the north side of Fairmount Avenue just west of the Delaware, Lackawanna and Western Railroad. The parapet measures four feet by 2.7 feet; the cross is 0.7 foot from the side of the building, 3.3 feet from the end of the parapet and two feet from the pilaster just east of the entrance.

CHATHAM. Eleva., 209.29 ft.

A cross cut in the north post of the west wall of an arch bridge which carries Main Street over a small stream at the junction of Main and Lafayette Streets.

CRESTMoor. Eleva., 434.22 ft.

A cross on the outer corner of the lowest stone step at the west end of north stone abutment of Central Railroad bridge over a brook one-half mile south of the station.

CRESTMoor. Eleva., 484.12 ft.

A cross on the outer corner of bridge seat, three feet from the truss, on the south end of west abutment of highway bridge over South Branch of Raritan River, just west of the railroad track, one-half mile south of the station.

DENVILLE. Eleva., 503.42 ft.

A cross in the granite corner stone, at the west end of the south abutment of the iron bridge which carries a road over Rockaway River. The bridge is two miles northeast of Denville Station and 300 feet south of the junction of the Rockaway Valley road with the Rockaway-Boonton (Cook's) road.

DENVILLE. Eleva., 512.86 ft.

A cross cut in the northeast corner of the stone on the top of the south wall of Morris Canal Lock, No. 8, right at the end of the gate, when open.

DENVILLE. Eleva., 505.75 ft.

A cross cut in the south end of the granite coping of the west abutment of the two-span iron bridge which carries the Denville-Piers Lock road over the Rockaway River. This bridge is about a mile north of Denville station.

DENVILLE. Eleva., 508.77 ft.

This bench mark is on the north abutment of the bridge of the Rockaway branch of the Delaware, Lackawanna and Western Railroad which crosses Den Brook, half a mile north of Denville station. This point is on the outside corner of the third step from the top of the east end of the abutment.

BARTLEY.

Eleva., 633.85 ft.

A cross 4.3 feet from the face of the building on the southwest corner of cement slab at entrance to waiting room on the southerly face of the railroad station.

BARTLEY.

Eleva., 642.99 ft.

Top of marble date (1913) stone set in the cobblestone foundation at the northeast corner of the Presbyterian chapel—300 yards north of the railroad station on the west side of the road leading to Mount Olive. This is also the elevation of the foundation of the structure.

BLOOMINGDALE.

Eleva., 256.21 ft.

A cross on the south end of the east abutment of a steel highway bridge over Pequannock River near Bloomingdale station of the New York, Susquehanna, and Western Railroad. The cross is on a projection westward from the seat of truss near the angle formed by the wing wall and the abutment 3.6 feet below the level of the bridge floor, and about one foot south of the truss.

BOONTON.

Eleva., 494.15 ft.

A cross cut on the east end of the north concrete parapet, under iron fence one foot west of west end of wing wall of Pond bridge, which carries Main Street over Rockaway River above the falls.

BOONTON.

Eleva., 412.94 ft.

A cross cut in the east corner of the coping stone, level with the railroad, at the north corner of the Delaware, Lackawanna and Western Railroad bridge over Rockaway River.

BOONTON.

Eleva., 485.73 ft.

A cross on the southwest corner of the third stone of the shaft foundation of the soldiers' monument on Main Street. The point is at the top of the curved edge and two inches below the base of the shaft.

BOONTON.

Eleva., 494.77 ft.

A cross cut in the east end of the granite sill of the east door of the Maxfield Engine House, 713 Main Street.

BUTLER.

Eleva., 315.22 ft.

A cross on the center of the north end of the concrete pier of the New York, Susquehanna and Western Railroad bridge over Stone House Brook, near the station. The cross is 9.8 feet north of the north rail, and 4.3 feet lower.

BUTLER.

Eleva., 333.30 ft.

A cross on the south end at the outer edge of the door sill at the entrance to the First National Bank on Boonton Avenue.

BUTLER.

Eleva., 342.40 ft.

A cross on the outer edge at the north end of the east abutment of the New York, Susquehanna and Western Railroad bridge over Pequannock River about 1,000 feet west of the station. The cross is at the angle, formed by a bevel in the seat for the east end of the truss, 5.7 feet lower than the rail.

CARYS.

Eleva., 691.28 ft.

On the concrete cap directly over the date "1908" at the southerly end of east abutment of Central Railroad bridge over stream about one-half mile westerly from the station.

CARYS.

Eleva., 718.50 ft.

A cross on the bridge seat directly over the date "1905" and six and one-half feet from the girder on the north end of the west abutment of Central Railroad bridge over a brook about one-third mile easterly from the station.

DENVILLE.

Eleva., 515.40 ft.

A cross cut in the bluestone sill of the basement window in the front or west of the building in the ell to the north of the main entrance to the public school.

Eleva., 558.64 ft.

DOVER.

A cross in the surface (15 inches south of the northwest corner) of the west concrete sidewalk of the bridge carrying Mercer Street over Rockaway River. This cross is three inches east of the west parapet of the bridge.

Eleva., 572.99 ft.

DOVER.

A cross cut in the water table at the southeast corner of George Richard's brick building at the northwest corner of Blackwell and Sussex Streets.

Eleva., 582.08 ft.

DOVER.

A cross cut in the top and in the northeast corner of the bluestone forming the west side of the bottom step of the main front entrance to the Memorial Presbyterian Church. This mark is close to the base of the chimes tower.

Eleva., 571.09 ft.

DOVER.

A cross cut in the top of the granite stone at the top of the wing wall at the northwest corner of the bridge which carries Sussex Street over Rockaway River.

Eleva., 574.02 ft.

DOVER.

A cross cut in the southeast corner of the brownstone sill of the east entrance to the High School which stands on the corner of McFarland and Sussex Streets.

DOVER.

A cross cut in the outside corner on top of the granite stone forming the north end of the west bridge seat of the girder bridge which carries the Hibernia Mine Railroad over Rockaway River.

Eleva., 537.81 ft.

FLANDERS.

A cross, 2.4 feet below the rail, on a large stone at the south end of east abutment of Central Railroad bridge over a brook about one-quarter mile west of the station. This is the most westerly of two bridges close together.

Eleva., 677.94 ft.

FLANDERS.

A cross, 2.6 feet below the rail, on the outer corner of stone at the southerly end of west abutment of Central Railroad bridge about 400 yards west of the station and adjacent to a private crossing.

Eleva., 681.94 ft.

FLANDERS.

A cross three feet measured in a southerly direction from the center of the arch on the highest point of a large stone on the westerly coping of highway culvert over the mill race 100 yards south of the railroad at the junction of the Succasunna-Bartley road.

Eleva., 679.41 ft.

FLANDERS.

A cross 10.5 feet from the girder on the northwest corner of the bridge seat at the north end of east abutment of the second railroad bridge about 500 feet east of the station.

Eleva., 684.27 ft.

FLANDERS.

A cross near the northeast corner of a large stone at the old Nicholas store (now used as a private garage) about one-half mile northerly from the railroad station on the easterly side of the Netcong and Budd Lake highway. A private road runs east at this point.

Eleva., 726.85 ft.

FOUR BRIDGES.

Eleva., 580.36 ft.

A cross eight feet from the stop logs and 2.0 feet above the crest of the dam on the west end of the southerly concrete wall at the waste gates of mill pond near the railroad crossing. The gate is about 150 feet southerly from the mill.

FOUR BRIDGES.

Eleva., 584.29 ft.

A cross on the outer corner of large stone forming the second step from the bottom of the wing wall at the south end of westerly abutment of Central Railroad bridge over stream about 300 yards easterly from the highway crossing.

GILLETTE.

Eleva., 215.23 ft.

A cross on the east end of the north wall of the small pipe culvert under the railroad, about 300 yards west of the station.

HANOVER. (STATION)

Eleva., 193.04 ft.

A cross 16 feet from the rail in the center and on the south end of concrete culvert under the Morristown and Erie Railroad just east of highway crossing, three-tenths of a mile west of the station.

HANOVER. (STATION)

Eleva., 225.62 ft.

A cross on the cement platform immediately below the northeast corner of the Morristown and Erie Railroad station.

HANOVER. (STATION)

Eleva., 216.39 ft.

A cross 1.2 feet below the rail and five feet away on the northerly end of east concrete abutment of Morristown and Erie Railroad bridge over a highway eight-tenths of a mile east of the station.

HOPATCONG JUNCTION.

Eleva., 685.85 ft.

A cross on the northeast corner of large stone on which rests the north end of east truss of steel bridge carrying the Central Railroad over the Morris Canal just north of the station.

KENVIL.

Eleva., 721.18 ft.

A cross 13 feet from the rail on the southeast corner of the first stone step from the top at the easterly end of south wall of culvert under the Central Railroad, 250 yards westerly from the station.

KENVIL.

Eleva., 731.11 ft.

A square cut on the northeast corner and at the east end of north wing wall of east abutment of highway bridge over the Morris Canal near the Central Railroad station.

KENVIL.

Eleva., 728.53 ft.

A cross three feet above the rail on the southwest corner of concrete base of bell signal on the northerly side of the highway and west of the track just south of the Central Railroad station.

LAKE HOPATCONG.

Eleva., 925.68 ft.

A cross cut in the northeast corner of the north end of the west wall of the raceway of the Morris Canal lock at the outlet of the lake. This is also a canal bench mark.

LAKE HOPATCONG.

Eleva., 908.20 ft.

A cross cut in the top and in the southwest corner of the second step from the top of the west end of the north abutment of the bridge which carries the Delaware, Lackawanna and Western Railroad (cut off) over the Landing and Port Morris road.

LAKE JUNCTION.

Eleva., 682.49 ft.

A cross cut in the southeast corner of a large granite stone under the concrete cap of the bridge seat at the south end of the west abutment of the bridge which carries the Delaware, Lackawanna and Western Railroad over Rockaway River, one and one-fifth miles west of Wharton station.

LAKE JUNCTION.

Eleva., 711.98 ft.

A cross cut in the top and in the southwest corner of the south concrete parapet of the four-track bridge which carries the Delaware, Lackawanna and Western Railroad over the Lake Hopatcong Branch of the Central Railroad of New Jersey, one and three-quarter miles west of Wharton station.

LANDING.

Eleva., 933.50 ft.

A cross cut in the northeast corner of the bluestone sill of the front entrance of the block-house office building of W. E. King, on the south side of the Landing road.

LANDING.

Eleva., 936.55 ft.

A cross in the west end of the south concrete parapet of the concrete bridge, which carries the highway over the Delaware, Lackawanna and Western Railroad and Morris Canal, about 100 feet west of Hopatcong station. The bench mark is above the west springing line of the arch and 13.5 feet higher and at the east end of the concrete guard.

LANDING.

Eleva., 939.67 ft.

A cross cut in the southwest corner of the concrete sill of the west main entrance to the Lake Hopatcong station of the Delaware, Lackawanna and Western Railroad, on the west side of tracks. The bench mark is one foot above the road level.

LEDGEWOOD.

Eleva., 728.83 ft.

Topmost point of flange of the most westerly iron post of two posts set in concrete on the southerly side of the tracks 250 feet northeast of the Central Railroad station.

LINCOLN PARK.

Eleva., 182.48 ft.

A cross cut in the southwest corner of the stone forming the upper step at the east end of the north wall of Morris Canal lock No. 12, east.

LINCOLN PARK.

Eleva., 184.13 ft.

A cross cut in the south end of the bluestone door sill of the entrance to the public schoolhouse on the back river road to Two Bridges.

LINCOLN PARK.

Eleva., 178.00 ft.

A cross cut in the south concrete platform of the Delaware, Lackawanna and Western Railroad station. The point is in close to the building at the middle of the south side below the window.

LINCOLN PARK.

179.17 ft.

A cross cut in the north side of the foundation (directly over the "9" in "1906") of the water tower, 900 feet west of the Delaware, Lackawanna and Western Railroad station.

LONG VALLEY. (GERMAN VALLEY)

Eleva., 536.47 ft.

A cross 2.2 feet below the rail near the outer corner at the north end of westerly abutment of small steel girder bridge carrying the Central Railroad over a brook about three-quarters mile southwest of the station. There is a farm road adjacent to the bridge.

LONG VALLEY.

Eleva., 535.58 ft.

A cross directly over the center of the opening on the south parapet of a small concrete culvert under the Central Railroad about 175 yards west of the station.

LONG VALLEY.

Eleva., 531.52 ft.

A cross on the outer corner at the south end of door sill of main entrance to the Evangelical Lutheran Zion Church on the west side of the main street between the station and the river.

LONG VALLEY.

Eleva., 532.86 ft.

A cross on the southeast corner of stone at the east end of north abutment of arch highway bridge over South Branch of Raritan River. The stone is the support for the end iron post of railing of the sidewalk.

LONG VALLEY.

Eleva., 538.28 ft.

A cross on the outer corner at the east end of door sill of main entrance to Presbyterian Church about 150 yards west of the crossroads on the highway leading to Middle Valley.

LONG VALLEY.

Eleva., 541.53 ft.

A cross on the outer corner of bridge seat at the north end of east concrete abutment of Central Railroad bridge over stream about 50 yards east of the station.

MADISON.

Eleva., 197.56 ft.

A cross cut in the south end of the sill of the most southerly of the windows in the west side of the Madison Water Works pumping station.

MADISON.

Eleva., 205.34 ft.

A cross cut in the west end of the coping of the south parapet of the culvert which carries Main Street over Spring Garden Brook just east of the junction of Main Street and Rosedale Avenue.

MADISON.

Eleva., 227.56 ft.

A cross cut in the east end of the sill (near the middle pilaster) of the most westerly window in the front of the brick office and apartment building of Green and Pierson, which stands on the south side of Main Street between Prospect Street and Waverly Place. This point is on the sill of the window to the left of the front entrance to the apartment at the west end of the building.

MADISON.

Eleva., 243.77 ft.

A cross cut in the southwest corner of the bluestone platform of the approach to the front entrance to the banking department of the Madison Trust Company's building, which stands on the southwest corner of Main Street and Waverly Place. The point is near the wall and south of the base of the column against the wall at the left of the entrance.

MADISON.

Eleva., 252.06 ft.

A cross cut in the east end of the doorsill of the Main Street entrance to the Young Men's Christian Association, on the corner of Main Street and Park Avenue.

MIDDLE VALLEY.

Eleva., 497.15 ft.

In the center line and 12 inches from the east end of concrete pier of Central Railroad bridge over a small brook about 0.3 mile southwest of the station. The point is 4.7 feet below the rail of the track and the bridge is the most southerly of two bridges close together.

MIDDLE VALLEY.

Eleva., 497.86 ft.

A cross 5.3 feet below the rail and 1.6 feet from the girder on the outer corner of bedplate stone at the east end of north abutment of Central Railroad bridge over South Branch of Raritan River, one-quarter mile southwest of the station.

MIDDLE VALLEY.

Eleva., 503.50 ft.

A cross on the topmost point of a large boulder on the easterly side of the highway just west of the Central Railroad station and about 30 yards southerly from the main track.

MIDDLE VALLEY.

Eleva., 498.04 ft.

A cross about one foot below the bridge floor, on the outer corner of stone on the westerly end of north abutment of steel highway bridge over South Branch of Raritan River, about 150 yards southerly from the railroad station.

MIDDLE VALLEY.

Eleva., 526.55 ft.

A cross 3.7 feet below the track on the bedplate stone on which rests the northerly end of westerly girder of bridge carrying the Central Railroad over a stream and driveway about 1.2 miles northeast of the station.

MILLINGTON.

Eleva., 277.19 ft.

A cross on the west end of the north abutment of a railroad bridge over Passaic River, west of the station. The cross is on the southwest corner of the second stone from the top about eight feet west of the west rail, and one foot lower.

MILLINGTON.

Eleva., 279.89 ft.

A cross on the outer edge at the south end of the door sill of the north entrance to the railroad station at the west face of building.

MILLINGTON.

Eleva., 271.36 ft.

Northeast corner of the water table of Harrow factory, west of the railroad opposite the station. The point is level with the window sills in the lower part of the building.

MONROE. (STATION.) See CEDAR KNOLLS.**MONTVILLE.**

Eleva., 239.57 ft.

A cross cut in the summit of a very large rounded boulder imbedded in the towpath at the edge of the Morris Canal, 200 yards east of the lower plane.

MONTVILLE.

Eleva., 387.87 ft.

A cross cut in a projecting stone on the top of the wall at the south side of the square well into which the water falls, at the top of the upper plane of the Morris Canal.

MONTVILLE.

Eleva., 311.55 ft.

A cross cut in the south end of the bluestone door sill of the main entrance to the Town Hall.

MONTVILLE.

Eleva., 316.52 ft.

A cross cut in the northeast corner of the concrete door sill of the main front entrance to the public school.

MORRISTOWN.

Eleva., 403.56 ft.

A cross cut in the east end of the sill, close by the west side, of the most easterly of two wooden pillars at the entrance of the Morris County Court House.

MORRISTOWN.

Eleva., 366.16 ft.

On the marble water table and in the center of the angular face at the southwest corner of the post office, a brick and marble structure on the corner of Dumont and Park Place.

MORRISTOWN.

Eleva., 371.85 ft.

A cross on the outer corner at the easterly end of large bluestone door sill of entrance on Park Place to the First Presbyterian Church.

MORRISTOWN.

Eleva., 339.90 ft.

A cross on the outer corner at the south end of door sill of main entrance to the Delaware, Lackawanna and Western Railroad station.

MORRISTOWN.

Eleva., 377.66 ft.

This bench mark is on the flat surface, directly under the carved stone cannon, at the west corner of the base of the soldiers' monument in the city park.

MORRISTOWN.

Eleva., 366.95 ft.

A cross cut in the south end of the bluestone door sill of the southerly entrance from Speedwell Avenue to the Police Headquarters building, on the corner of Speedwell Avenue and Water Street.

MORRISTOWN.

Eleva., 373.83 ft.

A cross cut in the southeast end of the granite step (at the level of the granite door sill and six inches above the sidewalk) of the First National Bank building on Park Place. The point is at the base of the ornamental stone door jamb of iron grill.

MOUNT ARLINGTON.

Eleva., 782.84 ft.

A cross cut in the southeast corner of the south concrete parapet of the bridge which carries the Delaware Lackawanna and Western Railroad over the Kenville-Mt. Arlington road. The bridge is 600 feet west of the station.

MOUNT TABOR.

Eleva., 502.06 ft.

A cross cut in the northwest corner of the coping of the wall over the north end of a culvert, under the Morris and Essex Railroad, for carrying off the overflow of a pond, one mile east of Mount Tabor.

NAUGHRIGHT.

Eleva., 560.07 ft.

A cross four feet north of the girder on the northeast corner of stone at the north end of the pier of Central Railroad bridge over Stony Brook about one-quarter mile west of the station.

NAUGHRIGHT.

Eleva., 560.42 ft.

A cross on the outer corner at the easterly end of north stone abutment of steel highway bridge over South Branch of Raritan River about 0.2 mile southerly from the railroad track.

NAUGHRIGHT.

Eleva., 574.33 ft.

A cross nine feet from the girder on the outer corner of the bridge seat at the south end of westerly stone abutment of Central Railroad bridge over South Branch of Raritan River about one-half mile northeast of the station.

NETCONG.

Eleva., 874.13 ft

A cross cut in the northeast corner of the bluestone sill of the entrance at the east end of Stanhope-Netcong station of the Delaware, Lackawanna and Western Railroad.

NEW FOUNDLAND.

Eleva., 764.41 ft.

A cross at the outer edge of the west end of the bluestone window sill of the Standard Oil Co. pumping station. The building is about 100 feet south of the New York, Susquehanna and Western Railroad tracks, and about 1,000 feet east of the station. The cross is 3.5 feet above the ground, and four feet from the northwest corner of the building on the north face.

NEW FOUNDLAND.

778.58 ft.

A cross on the concrete base of the southwest column supporting the water tower at the station. The cross is 1.4 feet above the ground on the southeast corner of the base. It is 14.7 feet north of the north rail of the railroad.

NEW FOUNDLAND.

Eleva., 784.38 ft

A cross on the middle of the south wall of a reinforced-concrete highway bridge over Pequannock River, about one mile west of village. The cross is on the coping at or near the crown of the arch, 1.8 feet north of the center post of the iron pipe rail, and 0.3 foot in from the outer edge of the coping.

PEQUANNOCK.

Eleva., 181.05 ft.

Top of the rail of the New York and Greenwood Lake Railway at the highway crossing near the station.

(See also Wayne, Passaic County.)

POMPTON PLAINS.

Eleva., 195.53 ft

A cross near the outer edge at the south end of the door sill at the entrance to the First Reformed Church.

POMPTON.

(See Passaic County.)

PORT MORRIS.

Eleva., 892.66 ft

A cross cut in west end of bluestone sill of the basement window on the north side of the tower of the Methodist Episcopal Church.

- PORT MORRIS.** Eleva., 890.18 ft.
A cross cut in the south end of the bluestone sill of the south basement window on the east side of the public schoolhouse.
- POWERTVILLE.** Eleva., 494.31 ft.
A cross cut in the west end of the bluestone door sill of the north entrance to the concrete engine house, of Field, White & Company's paper mills.
- POWERTVILLE.** Eleva., 495.53 ft.
A cross cut in the south end (at the end of two trusses) of the bluestone top of the center pier supporting the two spans of the highway bridge over the Rockaway River, at the paper mills.
- ROCKAWAY.** 523.18 ft.
This bench mark is on the northeast corner of the flange of the cast-iron footplate at the northeast corner of the iron bridge over the Morris Canal, at the foot of the plane.
- ROCKAWAY.** Eleva., 527.50 ft.
A cross cut in the outside corner of the north end of the west abutment of the Main Street bridge over the Rockaway River.
- ROCKAWAY.** Eleva., 533.63 ft.
A cross cut in the east end of a bluestone door sill of the easterly Main Street entrance to the municipal building.
- ROCKAWAY.** 563.87 ft.
This bench mark is a point taken on the northeast corner of the flat portion of the top of the bluestone sill of the east front window of Strait's store, on Main Street. The bench mark is indicated by an arrow cut in the flagging about four inches below the point.
- SHIPPENPORT.** Eleva., 873.54 ft.
The bottom of a square hole cut in the west end of the bridge seat of the south concrete abutment of the four track Delaware, Lackawanna and Western Railroad bridge over Morris Canal.
- SHIPPENPORT.** Eleva., 874.78 ft.
A cross cut in the southeast corner of the wrought iron bedplate of the south end of the east girder of the four track Delaware, Lackawanna and Western Railroad bridge over the highway.
- SHIPPENPORT.** Eleva., 864.57 ft.
A cross cut in the southeast corner of the east coping stone of the north wing wall of the overflow on the east side of the Morris Canal, a short distance north of the Delaware, Lackawanna and Western Railroad.
- STIRLING.** Eleva., 224.88 ft.
A cross on the outer edge at the north end of the window sill, first south of the office door of the silk factory of Schwarzenbach, Huber Co. The entrance faces the railroad, and is about 800 feet north of the station. The cross is 5.5 feet above the ground.
- STIRLING.** Eleva., 259.73 ft.
A cross on the outer edge at the west end of the sill of a basement window at northern face of public school. The cross is about one foot above the ground, and six feet east of the west face of the building.
- SUCCASUNNA.** Eleva., 731.37 ft.
A point 1.8 feet out from the door on the level of the cement sill at the southwest corner of stone projection on the northerly side of main entrance to the High School, a red brick structure on the easterly side of Hillside Avenue.
- TOWACO.** Eleva., 226.56 ft.
A cross cut in the west end of the door sill of the entrance near the west end and on the south side of the Delaware, Lackawanna and Western Railroad station.

TOWACO.

Eleva., 243.39 ft.

A cross cut in the top of a brownstone block which forms the northeast corner of the foundation of the Methodist Episcopal Church, which stands near the tracks and about 1,000 feet east of the Delaware, Lackawanna and Western Railroad station.

TOWACO.

Eleva., 224.11 ft.

A cross cut in the west abutment of the bridge which carries the Delaware, Lackawanna and Western Railroad over the highway west of the station. The point is on the concrete bridge seat, four feet below the track level, and three feet north of the north rail.

TOWACO.

Eleva., 194.46 ft.

A cross cut in the northwest corner of the bridge seat of the west concrete topped abutment of the bridge which carries the Delaware, Lackawanna and Western Railroad over a road at the foot of plane No. 10 east. This point is one foot south of the north end of the abutment, three feet below, and 25 feet north of the north rail of the two-track line.

WHARTON.

Eleva., 612.60 ft.

A cross cut in the outside corner of the upper step at the north end of the western abutment of the Delaware, Lackawanna and Western Railroad bridge over the Rockaway River, three-quarters of a mile southeast of Wharton.

WHARTON.

Eleva., 602.35 ft.

A cross cut in the outside corner of the lowest step at the south end of the western abutment of the bridge which carries the High Bridge Branch of the Central Railroad of New Jersey over Rockaway River, three-quarters of a mile southeast of Wharton.

WHARTON.

Eleva., 666.25 ft.

A cross cut in the west end of the south abutment of the bridge which carries the High Bridge Branch of the Central Railroad of New Jersey over the Delaware, Lackawanna and Western Railroad. This cross is cut on the granite stone at the end of the bridge seat.

WHARTON.

Eleva., 694.96 ft.

A cross cut in the top of and in the south end of the bluestone sill of the Main Street entrance of Wharton Public School.

WHIPPANY.

Eleva., 222.63 ft.

Top of southerly bolt at the southeast edge of the bedplate of the south-east column of steel frame supporting water tank at Eden Mill.

WHIPPANY.

Eleva., 202.60 ft.

A cross 1.7 feet below and 4.8 feet from the rail on the north end of east concrete abutment of Morristown and Erie Railroad bridge over the Whippany River at the first highway west of the station.

WHIPPANY.

Eleva., 200.55 ft.

A cross on the outer corner at the east end of door sill of the west entrance on the north face of the Morristown and Erie Railroad station.

WHIPPANY.

Eleva., 236.93 ft.

A cross on the outer corner at the east end of bluestone door sill of entrance on the south face of the Whippany Public School, a red brick structure on the north side of the railroad about 350 yards east of the station.

WHIPPANY.

Eleva., 175.44 ft.

A cross on the northwest corner of the girder seat at the north end of east concrete abutment of bridge carrying the Morristown and Erie Railroad over a stream 1.3 miles east of the station. This is the most westerly of two bridges close together.

SECONDARY BENCH MARKS.¹

BARTLEY. Northerly rail of crossing one-half mile southwest of station.	608.1 ft.
BARTLEY. Rail at station.	633.4 ft.
BARTLEY. Bottom edge of siding (top of foundation) at the southwest corner of R. C. Bartley Co.'s building on the north side of the tracks at the railroad station.	632.1 ft.
BARTLEY. Cement floor of porch at the southeast corner of the Presbyterian Chapel.	642.97 ft.
BARTLEY. Northerly rail of crossing one mile northeast of station.	645.8 ft.
BLOOMINGDALE. Rail at station.	259.5 ft.
CARYS. Northerly rail of crossing at station.	718.6 ft.
CEDAR KNOLLS. (MONROE STATION.) Northerly rail of crossing at station.	263.8 ft.
CEDAR KNOLLS. (MONROE STATION.) Northerly rail of M. and E. Railroad at crossing, one mile southwest of station near the Morristown sewerage disposal plant.	307.6 ft.
CRESTMOOR. East rail of crossing one-half mile south of station.	492.9 ft.
CRESTMOOR. A cross on the concrete base of "Private Crossing" sign west of the track at the station.	495.34 ft.
CRESTMOOR. East rail of crossing at station.	494.9 ft.
FLANDERS. North rail of crossing just east of the station.	688.0 ft.
FLANDERS. North rail of crossing 165 yards west of the station.	688.6 ft.
FOUR BRIDGES. North rail of crossing near the mill.	584.2 ft.
GILLETTE. Rail at station.	216.7 ft.
HANOVER. (STATION) South rail at the east end of M. and E. Railroad bridge over Whippany River, 0.8 mile west of the station.	179.6 ft.
HANOVER. (STATION) North rail of diagonal crossing 0.3 mile west of the M. and E. Railroad station.	198.6 ft.
HANOVER. (STATION) North rail of crossing at the station.	225.2 ft.
KENVIL. West rail of Central Railroad crossing southerly from the station.	725.5 ft.

¹"Rail at station" means rail joint nearest the center of the station. "Rail at crossing" means rail joint; if no joint is at the crossing, the elevation is taken in the center of the roadway. The elevations are given to the nearest tenth of a foot, except where otherwise noted.

KENVIL.	717.0 ft.
Southeast frog of crossing of N. J. Central and D., L. and W. railroads northeast of the station.	
KENVIL.	721.1 ft.
North rail of Central Railroad at crossing one mile northeast of station.	
LEDGEWOOD.	727.3 ft.
Northerly rail of Central Railroad crossing at the station.	
LEDGEWOOD.	727.18 ft.
A cross on the concrete base of warning sign east of the highway and 12 feet southerly from the track at the Central Railroad station.	
LONG VALLEY.	542.7 ft.
North rail of main track at crossing just west of station.	
MIDDLE VALLEY.	507.4 ft.
North rail of main track at crossing just west of the station.	
MILLINGTON.	277.1 ft.
Rail at station.	
MONROE.	(See CEDAR KNOLLS.)
NAUGHRIGHT.	574.9 ft.
North rail of crossing at the station.	
NEWFOUNDLAND.	775.2 ft.
Rail at crossing east of station.	
NEWFOUNDLAND.	777.1 ft.
Rail at station.	
POMPTON PLAINS.	192.6 ft.
Rail of crossing at station.	
STIRLING.	227.0 ft.
Rail of crossing at the station.	
WHIPPANY.	204.3 ft.
North rail of crossing about 150 yards west of the station.	

OCEAN COUNTY.¹

NEW EGYPT.	Eleva., 72.96 ft.
A cross on the center of the concrete wall on the north side of the turntable pit northeast of the station and 25 feet south of the main track.	
NEW EGYPT.	Eleva., 67.20 ft.
A cross one foot from the iron railing on the northwest corner of stone on the west end of south abutment of small highway bridge over a branch of Crosswicks Creek about 135 yards southerly from the railroad station.	
NEW EGYPT.	Eleva., 73.18 ft.
A cross on the outer corner at the south end of the first cement step above the sidewalk at the yard of E. H. Davis on the east side of railroad Avenue about 100 yards from the Main Street.	
NEW EGYPT.	Eleva., 69.35 ft.
A cross one foot from the iron railing of path on the northeast corner of stone at the north end of west abutment of Main Street bridge over Crosswicks Creek just west of Mill Street.	
NEW EGYPT.	Eleva., 63.54 ft.
A cross on the cement walk about 1.7 feet above the east end of the spillway and immediately below the west end of the vertical concrete wall supporting ratchets for operating the sluice gates of dam across Crosswicks Creek just south of Main Street bridge.	

¹Other bench marks in Ocean County are listed in Vol. I, and Vol. IV., Final Reports of the State Geologist.

NEW EGYPT.

Eleva., 89.11 ft.

A cross on the northeast corner of the southwest concrete pier of city water tower on the south side of the Cookstown road at the west edge of the town.

NEW EGYPT.

Eleva., 80.70 ft.

A cross on the outer corner at the south end of bluestone door sill of main entrance to the M. E. Church on the corner of Fort Avenue and the Lakewood road.

NEW EGYPT.

Eleva., 89.00 ft.

A cross next to door jamb on the west end of cement door sill of the most easterly entrance on the south face of New Egypt Creamery on the north side of the tracks about 0.4 miles west of the station. This is also the elevation of the floor.

TUCKERTON.

Eleva., 22.632 ft.

Elevation of underground mark, 17.972 feet.

This monument (No. 8) is set in the northwest corner of the Presbyterian churchyard at the corner of Main and Marine streets, three feet east of the east line of Marine Street, and 32.9 feet from the northwest corner of the church. It is due south from two stones on the lawn of T. P. Price, the three stones thereby establishing a true meridian.

PASSAIC COUNTY.¹**BLOOMINGDALE.**

(See Morris County.)

CHARLOTTEBURG.

Eleva., 682.44 ft.

A cross on the southeast corner of the second step from the top at the east end of the north abutment of the bridge, which carries the New York, Susquehanna and Western Railroad over Pequannock River, about one-eighth mile north of the station.

CHARLOTTEBURG.

Eleva., 737.21 ft.

A cross on the northeast corner of the southeasterly concrete pier, which supports the steel column of the highway bridge over the New York, Susquehanna and Western Railroad about 800 feet west of the station.

CLIFTON. (ATHENIA.)

Eleva., 183.78 ft.

A cross on top of bluestone coping on the northeast corner of the southeast wing wall of the bridge on Stone House Plains Road, over the Morris Canal.

CLIFTON. (ATHENIA.)

Eleva., 179.50 ft.

This bench mark is on a small cut in a projecting stone, 4.6 feet above the ground, at the west end of the north abutment of the road bridge on High Avenue over the Morris Canal, one mile southwest of Athenia. The point is indicated by an arrow head.

CLIFTON. (ATHENIA.)

Eleva., 164.80 ft.

A cross cut in the southeast corner of the west end of the culvert which carries High Avenue over a small stream, about 800 feet northeast from the Morris Canal.

CLIFTON. (RICHFIELD.)

Eleva., 183.11 ft.

A cross cut in the east end of the bluestone sill of the window, between corner stone marked "1907," and the main entrance to St. John's German Lutheran Church, on Clifton Avenue.

CLIFTON. (RICHFIELD.)

Eleva., 186.72 ft.

This bench mark is the bottom edge of the corner stone, marked "1907," of St. John's German Lutheran Church.

¹Supersedes all previous lists.

CLIFTON. (RICHFIELD.)

Eleva., 191.84 ft.

A cross cut in the east end of the bluestone sill of the front basement window, nearest the east side of Public School No. 2, Clifton Avenue.

GREAT NOTCH.

Eleva., 313.41 ft.

A cross on the northwest corner of stone pier supporting the westernmost column of southerly steel frame of overhead highway bridge at the Erie Railroad station.

GREAT NOTCH.

Eleva., 313.32 ft.

A cross on the cement platform near the southwest corner of the Erie Railroad station, on the north side of the tracks.

GREAT NOTCH.

Eleva., 322.26 ft.

A cross on the southwest corner of the most westerly pier of four center piers supporting the steel columns of a water tank on the north side of the Erie Railroad tracks at the station.

GREAT NOTCH.

Eleva., 330.32 ft.

A cross near the south edge of the bridge seat 3.5 feet from the west end of north abutment of overhead highway bridge just west of the Erie Railroad station.

GREAT NOTCH.

Eleva., 334.88 ft.

A cross 10 feet from the girder on the outer corner of bridge seat at the west end of south abutment of Erie Railroad bridge over highway about one-half mile southeast of the station.

HAWTHORNE.

Eleva., 41.83 ft.

A cross cut in the top of the granite coping (six inches back from the southeast corner) of the east wing wall of the north abutment of the bridge which carries the Erie Railroad over the Passaic River. The point is five feet below the track level.

LITTLE FALLS.

Eleva., 200.13 ft.

On the outer corner at the northerly end of cement door sill of center entrance on Stevens Avenue to the Municipal Building at Warren Street.

LITTLE FALLS.

Eleva., 203.28 ft.

On the outer corner at the easterly end of door sill of Warren Street entrance to the Public Library at Stevens Avenue.

LITTLE FALLS.

Eleva., 174.67 ft.

A cross cut in the stone coping at the end of the iron railing on the west side of the Passaic River, of the Morris Canal aqueduct.

LITTLE FALLS.

Eleva., 195.34 ft.

A cross cut in the northeast corner of the stone door sill of the main front entrance of the Reformed Church.

LITTLE FALLS STATION. (Totowa.)

Eleva., 194.56 ft.

This bench mark is at the point of an arrow on the water table at the northeast corner of the Little Falls depot of the Delaware, Lackawanna and Western Railroad.

MACOPIN INTAKE.

Eleva., 583.75 ft.

A cross on the middle of the third capped stone from the gate house, and about 5.8 feet from its foundations, measured along the center of the intake dam of the Newark Water Works.

MOUNTAIN VIEW.

Eleva., 172.62 ft.

A cross cut in the top of the north concrete wing wall (nine inches back from the north corner) of the east abutment of the bridge which carries the highway over Pompton River. This bridge is 800 feet west of the Erie Railroad Station and 300 feet south of the Morris Canal aqueduct.

MOUNTAIN VIEW.

Eleva., 175.74 ft.

A cross cut in the north corner of the west end of the coping of the circular wall at the north end of the west abutment of the aqueduct by which the Morris Canal crosses the Pompton River.

MOUNTAIN VIEW.

Eleva., 180.65 ft.

A cross cut in the east end of the concrete door sill of the south entrance of the Delaware, Lackawanna and Western Railroad station.

NEW FOUNDLAND.

(See Morris County.)

OAK RIDGE.

Eleva., 899.61 ft.

A cross on the concrete seat at the east end of the south girder 0.6 foot from the corner, and 2.7 feet south of the girder of the bridge which carries the highway over the New York, Susquehanna and Western Railroad, about one mile northwest of the station.

PASSAIC.

Eleva., 56.69 ft.

A cross cut in the south end of door sill of the front entrance of the Passaic Trust and Safe Deposit Company's building, which stands on the west side of Main Street between Academy and Bloomfield avenues.

PASSAIC.

Eleva., 60.31 ft.

A cross cut in a raised projection, in front of the wall, on the extreme south end of the door sill of the entrance to the municipal building standing on the northwest corner of Howe Avenue and Prospect Street. This entrance is between two fire engine rooms.

PASSAIC.

Eleva., 26.51 ft.

A cross cut in the extreme southwest corner of the west end of the coping of the north wall of the arch bridge which carries Passaic Avenue over the tailrace from the mills. This bridge is a short distance west of the New York, Susquehanna and Western Railroad.

PATERSON.

Eleva., 99.45 ft.

A cross cut in the south end of the Main Street entrance to St. Boniface Church, at the southeast corner of Main and Slater Streets.

PATERSON.

Eleva., 80.12 ft.

A cross cut in the east end of the door sill of the main front entrance to the Market Street M. E. Church.

PATERSON.

Eleva., 88.82 ft.

A cross cut in the west end of the door sill of the main entrance to the municipal building on the corner of Market and Union Streets.

PATERSON.

Eleva., 99.15 ft.

A cross cut in the north end of the door sill of the main entrance to the First Presbyterian Church, on the corner of Main and Ward Streets.

PATERSON.

Eleva., 103.18 ft.

A cross cut in the top of the second cheek stone from the bottom, at the northwest corner of the base of the second pillar from the north end of the Hamilton Street entrance to the Passaic County Court House.

PATERSON.

Eleva., 181.24 ft.

This point is on the East Jersey Water Company's bench mark at Stony road reservoir, Grand Street and Reservoir Avenue, and is a cross cut in outcrop rock, one foot north of the concrete wall on the Grand Street side and 36 feet east of the middle of the intake pipes near the corner of the streets.

PATERSON.

Eleva., 187.69 ft.

A cross cut in the north corner of the concrete facing the east abutment of the Delaware, Lackawanna and Western Railroad bridge, over Passaic River, known as High Bridge. This bridge is between Paterson and Little Falls.

POMPTON.

Eleva., 207.09 ft.

A cross on the outer edge at the west end of the brownstone door sill at the middle entrance to the Pompton Reformed Church.

POMPTON JUNCTION. Eleva., 217.26 ft.
Northeast frog point at the crossing of New York, Susquehanna and Western, and New York and Greenwood Lake Railroads.

POMPTON JUNCTION. Eleva., 235.76 ft.
A cross on the northwest corner of the stone on which rests the east end of the north truss at the north end of the east abutment of New York, Susquehanna and Western Railroad bridge, over Pequannock River, about three-quarters of a mile west of the station. The cross is six feet north of the north rail, and 5.2 feet below.

POMPTON LAKES Eleva., 203.18 ft.
A cross about six inches diagonally from the southwest corner of the seat of the steel truss at the south end of the eastern concrete abutment of the highway bridge over Wanaque River northwest of the station.

POMPTON LAKES. Eleva., 204.00 ft.
A cross on a large stone on the north end of the west abutment at the angle of the wing wall of the New York, Susquehanna and Western Railroad bridge over Wanaque River, west of the station. The cross is on the east corner of the stone, 5.3 feet lower than the rail.

RICHFIELD. (See Clifton.)

SMITH MILLS. Eleva., 425.16 ft.
A cross on the high point of the large boulder near the north end of west abutment of the steel highway bridge over Pequannock River. The cross is 1.7 feet diagonally from the corner of the abutment, 5.2 feet below the bottom plate of girder, and four feet north of the center of north girder.

TOTOWA. (See Little Falls Station.)

WAYNE. Eleva., 172.70 ft.
Top of the rail of New York and Greenwood Lake Railroad at station.

WAYNE. Eleva., 175.63 ft.
A cross on the east end of the south abutment of New York and Greenwood Lake Railroad bridge over Pompton River, about one mile north of Wayne station. The cross is six inches diagonally from the northeast corner of girder seat, 4.7 feet east of east girder, and 5 feet lower than the rail.

SECONDARY BENCH MARKS.

BLOOMINGDALE. (See also Morris Co.)	296.6 ft.
Stone horse block in front of Union Hotel.	
CHARLOTTEBURG.	719.6 ft.
North rail at the station.	
OAK RIDGE.	827.6 ft.
Rail at station.	
POMPTON LAKES.	214.5 ft.
Rail at station.	
POMPTON.	223.2 ft.
Rail of crossing near the station.	
SMITH MILLS.	441.4 ft.
Rail at crossing.	

SALEM COUNTY.¹

ALLOWAY. Eleva., 11.87 ft.
A cross on ledge of stone 1.6 feet below the concrete cap, on the outer corner at the southerly end of the southwest wing wall of highway bridge over Alloway Creek at the railroad station.

¹Supersedes all previous lists.

- ALLOWAY.** Eleva., 16.81 ft.
Copper bolt in monument at the northwest corner of the railroad station platform.
- ALLOWAY.** Eleva., 16.08 ft.
A cross on the southwest corner of concrete wall at the southwest corner of the mill at the railroad station.
- ALLOWAY.** Eleva., 43.15 ft.
A cross on the outer corner at the east end of granite door sill of front entrance to the Baptist Church, a red-brick structure on the street leading to Quinton and southwest of the railroad station.
- ALLOWAY JUNCTION.** Eleva., 24.08 ft.
Copper bolt in monument at the southwest corner of the railroad station platform.
- DARETOWN.** Eleva., 136.42 ft.
Top edge and corner of marble stone set in the foundation at the southwest corner of the Baptist church. (The elevation is the same as the bottom edge of base board of building.)
- DARETOWN.** Eleva., 127.58 ft.
This bench mark is a cross cut on north end of stone door sill of front entrance of Daretown Presbyterian Church.
- DARETOWN.** Eleva., 128.31 ft.
Copper bolt in monument at the southwest corner of the railroad station.
- DARETOWN.** Eleva., 120.86 ft.
A cross immediately below the southeast corner of brickwork on concrete foundation of chimney of creamery on the southerly side of the railroad west of the station.
- ELMER.** Eleva., 106.18 ft.
A cross on the outer corner of bridge seat at the east end of southerly abutment of railroad bridge over stream, about three-quarters mile northerly from the station. The bridge is the most northerly of two bridges close together.
- ELMER.** Eleva., 113.02 ft.
Copper bolt in monument on the west side of the track about 25 yards southerly from the railroad station.
- ELMER.** Eleva., 118.11 ft.
On the outer corner at the southerly end of window sill of large window on the Main Street face of the postoffice, a small stone structure between the bank and the railroad station.
- ELMER.** Eleva., 118.33 ft.
A cross on the outer corner at the northerly end of door sill of Main Street entrance to the First National Bank near the railroad station.
- ELMER.** Eleva., 121.16 ft.
A cross on the outer corner at the easterly end of door sill of entrance at the northwest corner of the M. E. Church on Main Street, one block southerly from the station.
- ELMER.** Eleva., 116.22 ft.
A cross on the outer corner at the south end of cement door sill of entrance at the southeast corner of school building on the westerly side of Main Street southerly from the railroad station.
- MONROEVILLE.** Eleva., 133.57 ft.
A cross on the southeast corner of concrete base of second signal, 150 yards northerly from the station and west of the track.

MONROEVILLE.

Eleva., 135.03 ft.

A cross on the southwest corner of concrete block immediately in front of the center of the railroad station and on the west side of the track.

NEWKIRK.

Eleva., 134.08 ft.

On the outer corner at the west end of top cement step of several steps leading to porch of farm house on the north side of the highway and north of the railroad station.

NEWKIRK.

Eleva., 125.03 ft.

A cross on the outer corner of bridge seat at the south end of each concrete abutment of railroad bridge over highway about one-quarter mile west of the station.

PALATINE.

Eleva., 95.96 ft.

A cross on the outer corner of bridge seat at the west end of southerly concrete abutment of railroad bridge over stream, about 0.6 mile north-east of the station.

PALATINE.

Eleva., 110.25 ft.

A cross on the southeast corner of concrete wall around well and pump opposite the railroad station.

PEDRICKTOWN.

Eleva., 6.83 ft.

A cross on the southeast corner of concrete base of signal on the south side of the railroad track easterly from the station.

PEDRICKTOWN.

Eleva., 18.84 ft.

A cross on the outer corner at the west end of door sill of entrance to the First National Bank, a brick and stone structure at the cross roads.

PEDRICKTOWN.

Eleva., 11.92 ft.

A cross on the outer corner at the northerly end of door sill of entrance on the west face and at the northwest corner of public school, a red-brick and stone structure, 125 yards southerly from the crossroads.

PENNSGROVE.

Eleva., 16.87 ft.

A cross cut in the top of the most northerly foundation bolt holding steel standpipe to base at Friendship Station. The bolt is the one nearest the highway.

PENNSGROVE.

Eleva., 16.02 ft.

A cross on the outer corner at the northwest end of cement door sill of entrance under the alcove and on the northeast face of the High School, on the corner of Harmony and North Broad Streets.

PENNSGROVE.

Eleva., 13.31 ft.

On the outer corner at the west end of cement door sill of corner entrance to the Peoples Bank of Pennsgrove, N. J., on the corner of South Broad and East Main Streets.

PENNSGROVE.

Eleva., 5.60 ft.

A cross cut in the top of the south foundation bolt set in the most southerly concrete pier supporting steel frame of water tank in the railroad yard 200 yards southeast of the station.

PENNSGROVE.

Eleva., 7.57 ft.

A cross on the outer corner at the northwest end of cement door sill of the most southerly entrance on West Main Street to the Colonial Hotel, a red-brick structure at the railroad crossing.

PENNSGROVE.

Eleva., 11.85 ft.

A cross on the outer corner at the northwest end of door sill of entrance to the Pennsgrove National Bank, a stone structure on West Main Street about two blocks from the river.

QUINTON.

Eleva., 11.05 ft.

A cross on the outer corner at the west end of door sill of the most easterly entrance on the north face of the Salem City Water Works pumping station east of the railroad station.

- QUINTON.** Eleva., 21.20 ft.
On the outer corner at the north end of window sill of the most northerly window on the west face of filter house a small red-brick building opposite the pumping station of the Salem City Water Works.
- QUINTON.** Eleva., 11.43 ft.
Copper bolt in monument at the northeast corner of the railroad station.
- QUINTON.** Eleva., 4.70 ft.
A cross cut on the most northerly point of the octagonal shaped steel plate on the north pier of highway bridge over Alloway Creek at the Quinton Glass Company's store.
- QUINTON.** Eleva., 18.97 ft.
An arrow cut at the bottom of the inscription and on the east end of fold carved on granite monument set by the Daughters of the American Revolution and located on the northerly side of Main Street, 100 yards easterly from the Quinton Glass Company's Store.
- SALEM.** Eleva., 11.47 ft.
A cross on the outer corner at the southerly end of marble door sill of East Broadway entrance to the Memorial Baptist Church at the corner of Seventh Street.
- SALEM.** Eleva., 16.82 ft.
A cross near the outer edge, nine inches from the northwest end of granite door sill of Broadway entrance to the Salem County Court House at Market Street.
- SALEM.** Eleva., 15.39 ft.
A cross on the outer corner at the southerly end of door sill of Market Street entrance to the City National Bank at the corner of Broadway and Market Street.
- SALEM.** Eleva., 13.87 ft.
A cross on the outer corner at the southerly end of door sill of front entrance to the First Presbyterian Church on Market Street.
- SALEM.** Eleva., 15.91 ft.
This bench mark is a cross cut at the foot of fluted column, on south side of entrance to surrogate's and clerk's office.
- SALEM.** Eleva., 14.67 ft.
This bench mark is a cross cut on south side of granite door sill of front entrance of Episcopal Church, on Market Street.
- SALEM.** Eleva., 15.79 ft.
A cross on the outer corner at the westerly end of door sill of entrance on the northeast face of the High School on New Market Street, one block south of Broadway.
- WOODSTOWN.** Eleva., 47.65 ft.
This bench mark is cross cut on south end of marble door sill of front entrance of brick Baptist Church, on Main Street.
- WOODSTOWN.** Eleva., 46.14 ft.
This bench mark is a cross cut on north end of lowest stone step of front entrance of Woodstown Hotel.
- WOODSTOWN.** Eleva., 58.74 ft.
This bench mark is a cross cut on southwest end of marble door sill of the old brick National Bank of Woodstown opposite the Friends Meeting House on Main Street.
- WOODSTOWN.** Eleva., 48.57 ft.
On the outer corner at the northeast end of top step and sill of main entrance to the First National Bank at the corner of East Avenue and Main Street.

WOODSTOWN.	Eleva., 62.36 ft.
A cross on the outer corner at the north end of blue sandstone window sill of the most northerly basement window on the west face of the public school, on the southerly side of East Avenue, east of the railroad station.	
WOODSTOWN.	Eleva., 66.85 ft.
A cross cut in the top of the most easterly foundation bolt of steel standpipe of City water supply on the west side of the railroad north of the station.	
YORKTOWN.	Eleva., 109.93 ft.
Copper bolt in monument at the westerly face of the railroad station.	
YORKTOWN.	Eleva., 111.48 ft.
A cross immediately below the corner of the building at the south end of cement floor of porch of Duffel's store on the west side of the highway at the railroad station.	
SECONDARY BENCH MARKS. ¹	
ALLOWAY.	16.0 ft.
Southeast rail of crossing at the station.	
ALLOWAY.	19.1 ft.
Southeast rail of crossing 0.4 mile west of station.	
ALLOWAY JUNCTION.	24.7 ft.
Point of frog of junction of Salem and Quinton branches of the W. J. & S. Railroad, 100 yards northeast of the station.	
ALLOWAY JUNCTION.	23.7 ft.
West rail of crossing one-half mile south of the station on the Quinton branch.	
DARETOWN.	126.8 ft.
Southerly rail of crossing, one-quarter mile west of the station.	
DARETOWN.	127.7 ft.
North rail of crossing at the station.	
ELMER.	110.8 ft.
Southerly rail of crossing, one-quarter mile west of station on the Salem branch.	
ELMER.	124.5 ft.
Southerly rail of crossing, three-quarters mile west of station on the Salem branch.	
ELMER.	138.8 ft.
Southerly rail of crossing, one and one-half miles west of station on the Salem branch.	
ELMER.	116.6 ft.
Easterly rail of crossing 0.9 mile southwest of station on the Bridgeton branch. This is the most northerly of two crossings close together.	
FENWICK.	54.1 ft.
A cross on the west concrete parapet of small highway culvert 100 yards north of the diagonal crossing, 1.4 miles northeast of the station.	
FENWICK.	54.9 ft.
North rail of diagonal crossing, one-quarter mile northeast of the station.	
FENWICK.	63.3 ft.
Southeast rail of crossing at the station.	

¹"Rail at station" refers to rail joint nearest center of station. "Rail at crossing" refers to rail joint if there is one at crossing; otherwise it means top of rail at center of roadway.

A LIST OF BENCH MARKS.

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FENWICK.	57.3 ft.
East rail of crossing, 0.6 mile southwest of the station.	
MONROEVILLE.	135.7 ft.
West rail of crossing at the station.	
MONROEVILLE.	139.9 ft.
Bottom edge of baseboard (top of brick foundation) at the northeast corner of dwelling on the west side of the railroad and north of the highway at the station.	
MONROEVILLE.	129.8 ft.
West rail of double crossing, 0.3 southwest of the station.	
MONROEVILLE.	115.3 ft.
West rail of crossing, one and one-quarter miles southwest of the station.	
MOWER STATION.	29.9 ft.
Southeast rail of crossing.	
NEWKIRK.	134.0 ft.
South rail of crossing, 0.3 mile east of station.	
NEWKIRK.	128.2 ft.
North rail of crossing at the station.	
OLDMAN STATION.	14.4 ft.
South rail of crossing.	
PALATINE.	109.6 ft.
West rail of crossing at the station.	
PALATINE.	107.8 ft.
Point of frog of siding 70 yards southwest of station.	
PALATINE:	91.7 ft.
East rail of crossing three-quarters mile southwest of the station.	
PAULDING.	111.8 ft.
Northerly rail of crossing at the station.	
PAULDING.	112.7 ft.
A cross on the center of southeast concrete parapet of small highway culvert on the north side of the tracks at the station.	
PAULDING.	116.6 ft.
North rail of crossing, 0.35 mile west of the station.	
PEDRICKTOWN.	3.8 ft.
South rail of crossing at the station.	
PENNSGROVE.	12.6 ft.
North rail of crossing at Friendship Station.	
PENNSGROVE.	6.0 ft.
Southerly rail of Main Street crossing of track leading to the station.	
PERKINTOWN STATION.	25.0 ft.
Southeast rail of crossing.	
POINT AIRY STATION.	73.8 ft.
East rail of crossing.	
POINT AIRY STATION.	73.2 ft.
A cross on center of east parapet of small highway culvert at the station.	
QUINTON.	40.0 ft.
South rail of crossing, one and one-half miles east of station.	
QUINTON.	7.5 ft.
North rail of Main Street crossing near the bridge over Alloway Creek.	
RIDDLETON JUNCTION.	42.0 ft.
One foot from the point of frog of the junction of the Elmer and Salem branches of the Penn Railroad.	

WOODSTOWN.	47.6 ft.
Southeast rail of crossing at South Woodstown Station.	
WOODSTOWN.	54.3 ft.
West rail of crossing at the station.	
YORKTOWN.	109.5 ft.
North rail of crossing at the station.	

SOMERSET COUNTY.¹

BLAWENBURG.	Eleva., 157.40 ft.
A cross on the center and at the angle of the north parapet of cast-iron culvert at the intersection of the Skillman and Hopewell roads in the village.	
GLADSTONE.	Eleva., 234.74 ft.
A cross on a projection of the stone base at the north end of a retaining wall along Peapack Brook and the easterly side of the Main Street about 165 yards north of the intersection of the road leading to Pottersville.	
GRIGGSTOWN.	Eleva., 37.17 ft.
A cross on the bridge seat at the northerly end of east stone abutment of small highway bridge over water course about 100 yards west of the canal.	
MILLSTONE EAST.	Eleva., 44.70 ft.
On the center of a property monument set on the westerly side of Market Street about 200 feet southerly from Amwell Road and marking the line of the Marino and Canal properties. The stone is at the face of the frame building and leans slightly from the vertical.	
NORTH BRANCH.	Eleva., 90.09 ft.
Copper bolt on the third stone step from the top on the east end of southerly abutment of Central Railroad bridge over a farm road about one mile southeast of the station.	
NORTH BRANCH.	Eleva., 91.15 ft.
A cross cut on the outer corner of the third stone step from the top and about six inches below the girder seat on the westerly end of southerly abutment of railroad bridge over a farm road about one mile southeast of the station.	
NORTH BRANCH.	Eleva., 127.01 ft.
Copper bolt on the fourth stone step from the top on the northerly end of westerly abutment of railroad bridge over farm road about one and one-quarter miles northwest of the station.	
NORTH BRANCH.	Eleva., 129.38 ft.
A cross on the level of the girder seat on the outer corner of second stone step from the top at the southerly end of westerly abutment of railroad bridge over farm road about one and one-quarter miles northwest of the station.	
NORTH BRANCH.	Eleva., 150.41 ft.
A cross on the southeast corner of the fourth stone step from the top at the southerly end of easterly abutment of Central Railroad bridge over a dry water course about two and three-quarter miles northwest of the station.	
RARITAN.	Eleva., 102.18 ft.
A cross on the southeast corner of third stone step from the top of a series of steps forming the south wing wall of west abutment of railroad arch bridge over a stream about one mile west of the station.	

¹See Bulletin 17 for main revised list of primary bench marks in Somerset County.

- RARITAN.** Eleva., 103.99 ft.
A cross near the northwest corner of concrete foundation of signal for eastbound trains of the Central Railroad about one mile west of the station.
- ROCKY HILL.** Eleva., 86.92 ft.
A cross on the outer corner of stone on the west end of south parapet of highway culvert on the main street about 30 yards west of Rocky Hill Inn, at the junction of the road to Kingston.
- SOMERVILLE.** Eleva., 48.18 ft.
A cross on the southwest corner of large stone near the southerly end of the northeast abutment of South Branch Railroad bridge over Raritan River. The stone forms the seat of the southerly truss.
- SOMERVILLE.** Eleva., 73.60 ft.
On the extreme easterly end and corner of bottom step at entrance to the Second National Bank opposite the court house yard. The point is at the right-angle turn in the step at the corner of the streets. The base of the porch columns rests on this step.
- SOMERVILLE.** Eleva., 73.05 ft.
A cross on the westerly end of door sill of Main Street entrance to the First National Bank on the corner of Main and Maple Streets.
- SOMERVILLE.** Eleva., 63.29 ft.
On a projection of flagstone at the top of stone foundation at the southeast corner of a red-brick structure about 50 yards westerly from the railroad station and on the northerly side of the tracks.
- SOMERVILLE.** Eleva., 56.53 ft.
A cross on the outer corner of the bottom stone step at the westerly end of northerly abutment of railroad bridge over Somerset Street about one-half mile northwest of the station. The stone forms the first step above a retaining wall along the north side of the street.
- SOMERVILLE.** Eleva., 81.90 ft.
Top and center of metal disc set in "true meridian" granite post in the court house grounds at the main entrance to the new court house.

SECONDARY BENCH MARKS.

BASKING RIDGE. Rail at station. ¹	376.5 ft.
FAR HILLS. Rail at station.	167.2 ft.
GLADSTONE. Rail at station.	228.0 ft.
LYONS. Rail at station.	309.8 ft.
MINE BROOK. Rail at station.	218.0 ft.
PEAPACK. Rail at station.	198.2 ft.

¹"Rail at station" means rail joint nearest the center of the station.

SUSSEX COUNTY.¹**BRANCHVILLE JUNCTION.**

Eleva., 581.73 ft.

A cross on the southwest corner of concrete slab about 50 feet north of the north face of the station, about six feet above and 15 feet easterly from the east rail of the Branchville branch of the Lackawanna Railroad.

FRANKLIN.

Eleva., 581.29 ft.

A cross on the outer edge at the west end of bottom concrete step of six steps leading from the Stockholm road into the yard of the Munson property on the northeast corner of the intersection of the Franklin Furnace-Stockholm roads about one mile southerly from Franklin Furnace.

FRANKLIN.

Eleva., 604.20 ft.

Top edge and center of marble slab set in the west face and near the southwest corner of the Presbyterian Church on the street leading to the Zinc Company's property and offices. The tablet reads A. D. 1914.

FRANKLIN.

Eleva., 558.30 ft.

A cross cut in the northwest end of the granite sill of the front entrance to the old public school.

(Note correction in elevation given in Bul. 17.)

SECONDARY BENCH MARKS.

BEAVER LAKE.

964.0 ft.

Rail at station.

FRANKLIN FURNACE.

536.4 ft.

Frog of the N. Y., S. & W. and the D., L. & W. Railroads at their junction about 0.25 mile north of the station.

STOCKHOLM.

976.7 ft.

Rail at station.

STOCKHOLM.

982.59 ft.

Cross on guard stone at northeast corner of J. M. Lewis' store.

UNION COUNTY.²**ELIZABETH.**

Eleva., 27.33 ft.

Copper bolt three feet from the girder and above the bridge seat on the top step of a series of steps on the northerly end of east abutment of the New Jersey Central Railroad bridge over Division Street in an easterly direction from the Spring Street station.

ELIZABETHPORT.

Eleva., 13.39 ft.

A cross on the southwest corner at the west end of the most southerly concrete pier of two piers on the north side of the tracks supporting overhead footbridge at "Singers stop" of the Central Railroad.

ELIZABETHPORT.

Eleva., 17.22 ft.

Northeast frog of crossing at the station.

PLAINFIELD.

Eleva., 97.12 ft.

A cross on the outer corner at the northwest end of door sill of the center entrance on Park Avenue to the Queen City Hotel at East Second Street.

PLAINFIELD.

Eleva., 99.19 ft.

On top of bluestone base immediately at the northeast corner of the Plainfield Trust Co.'s building on the corner of Park Avenue and Second Street.

¹See Bulletin 17 for main revised list of primary bench marks in Sussex County.
²See Bulletin 17, 1916, for general list of elevations in Union County.

- PLAINFIELD.** Eleva., 109.53 ft.
A cross on the outer corner at the northeast end of door sill of the southerly entrance to the First Presbyterian Church on East Front Street opposite Church Street.
- PLAINFIELD.** Eleva., 105.93 ft.
On the outer edge and at the center of the most northeasterly entrance on the northwest face of the Second Presbyterian Church at Crescent Avenue and East Seventh Street.
- PLAINFIELD.** Eleva., 104.27 ft.
On the outer edge near the southerly end of door sill of E. Sixth Street entrance to parish house of Grace Protestant Episcopal Church at East Sixth Street and Sycamore Avenue.
- PLAINFIELD.** Eleva., 101.45 ft.
A cross on the outer edge at the southeast end of door sill of entrance on Sycamore Avenue to the police headquarters near the railroad station.
- SUMMIT.** Eleva., 290.61 ft.
A cross on the second stone from the northeast end of the westerly parapet of small railroad bridge over water course at the highway crossing near the D., L. & W. station at West Summit. The mark is 5.7 feet from the rail.
- SUMMIT.** Eleva., 257.98 ft.
A cross on the northwest corner of bedplate stone on the north end of east abutment of D., L. & W. railroad bridge over a highway about three-quarters mile southwest of the West Summit station.
- WESTFIELD.** Eleva., 122.65 ft.
A cross on cement sidewalk directly below the northeast corner of the Westfield Trust Co.'s building at Elm and East Broad Streets. The mark is on the left of the corner entrance and about 6 inches below the door sill.
- WESTFIELD.** Eleva., 128.31 ft.
Copper bolt in flagstone coping at the entrance to the tunnel on the north side of the railroad tracks at the station.

SECONDARY BENCH MARKS.

- BERKELEY HEIGHTS.** 230.4 ft.
Rail of crossing at the station.
- MURRAY HILL.** 253.4 ft.
Rail at station.
- WEST SUMMIT.** 295.3 ft.
Rail at station of D., L. & W. Railroad.

WARREN COUNTY.¹

- CHANGEWATER.** Eleva., 441.45 ft.
A cross 5.5 feet from the rail of track on the west end of south concrete abutment of Delaware, Lackawanna and Western Railroad bridge over Musconetcong River. The cross is at the angle formed by the abutment and wing wall.

¹See Bulletin 17, 1916, for principal revised list of bench marks in Warren County.

CHANGEWATER.

Eleva., 437.46 ft.

A cross four feet from the west rail and about 3.5 feet below the level of the track on the outer corner of bridge seat at the west end of north abutment of Delaware, Lackawanna and Western Railroad bridge over Musconetcong River.

CHANGEWATER.

Eleva., 466.41 ft.

A cross near the outer edge and 10 inches from the southerly end of the northeast abutment of highway bridge spanning the railroad about one-quarter mile northwest of the station.