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

C. P. WILBER, Director

BULLETIN 53

Geologic Series

NEW JERSEY GEODETIC CONTROL SURVEY BENCH MARKS

IN BURLINGTON, MONMOUTH AND OCEAN COUNTIES

Elevations and descriptions of 452 bench marks established in Burlington, Monmouth and Ocean Counties. The bench marks included form the Ocean County Level Net.



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LETTER OF TRANSMITTAL.

Mr. Charles P. Wilber, Director Department of Conservation and Development

Sir:

I take pleasure in transmitting with this note the sixth report in the series designed to put in convenient form the results of the accurate leveling done by the New Jersey Geodetic Control Survey, an organization which we have sponsored from its inception and the work of which has been of great value to engineers and all others who must know the accurate elevation of the ground surface, and which is now in great demand by Army engineers engaged in re-mapping much of the southern half of the State as a vital defense project. This report describes all the bench marks established in Ocean County and gives their elevation above mean sea-level.

For the convenience of readers unfamiliar with the previous reports in this series and who may desire to add them to their personal libraries for ready reference, I am listing these below:

- Bul. 44 Bench Marks in Mercer & Middlesex Counties
 - 45 Bench Marks in Essex & Passaic Counties
 - 48 Bench Marks in Bergen & Hudson Counties
 - 49 Bench Marks in Camden & Burlington Counties
 - 51 Bench Marks in Camden, Gloucester and

Salem Counties

A uniform price of 50 cents has been placed on each of these reports.

Respectfully yours,

Meredith E. Johnson, Chief, Division of Geology and Topography Mr. Meredith E. Johnson, Chief Division of Geology and Topography Department of Conservation and Development Trenton, New Jersey

Sir:

There are herewith submitted for your approval and publication additional level data obtained by the New Jersey Geodetic Control Survey.

The organization of this Survey, its purpose and the methods used in obtaining these data are described in detail in Bulletin No. 46 published by your department in 1938.

The data now submitted cover parts of Burlington, Monmouth and Ocean Counties.

The datum used for all elevations given in the Bulletin is Mean Sea Level.

Old bench marks have been tied in with the work of the New Jersey Geodetic Control Survey and elevations for them are given in accordance with the least square adjustment made by this Survey. All U.S. Coast and Geodetic Survey first and second order bench marks in the vicinity of the level net herein described have been held fixed and are listed in the Appendix.

Bench Marks established years ago by the New Jersey Geological Survey have been checked. It was found that throughout the area of this level net there has been settlement as compared with the latest least square adjustment made by the U.S. Coast & Geodetic Survey's first order level net.

Corrections should be applied in conformity with the values shown in the attached tabulation for various points throughout the net.

In this Bulletin, as in the preceding ones, all bench marks are grouped in runs which are named as shown on the accompanying map. Each run has a distinguishing designation, the first three letters of the County in which the major portion of the run lies and another distinguishing letter.

In order to find bench marks existing in a certain locality it is necessary to refer to the index of contents given hereafter. This index gives all municipalities included in the net and indicates the run along which the bench marks in each municipality can be found.

Respectfully submitted

ARTHUR NCACK, State Supervisor New Jersey Geodetic Control Survey

AN:ms

CONTENTS

LOCALITIES INCLUDED IN OCEAN LEVEL NET

BURLINGTON

Locality Name of Run			
Pemberton TwpOCE-Q,4;5 UptonOCE-Q,6			
MONMOUTH			
Carr's Tavern			
OCEAN			
Archers Corners			
OCE-M,1;2;3;4;5;0CE-H,4;5;6;0CE-0,2;3;4;5 Lacey Twp			

OCEAN

Local1ty	Name of Run
Motts Corner	008-8-0
Naval Air Station	2000000
New Egypt	0.00 % G.O.
Ocean Two.	ACCOUNT OF THE
Peahalassonsonsonsonsonsonsonsonsonsonsonsonson	UCE~F,738
Plumstand Ten	· · · · · · · · · OUE-G , 4
Plumstead Twp	OCK-K.5;6;7
Ship Bottom-Beach	OCE=G,1
Ship Bottom Boro-Beach Arlington	0CE-G,1;2
Spray Beach	OCE-G,8
Stafford Twp	OCE-J,1;2;3;4
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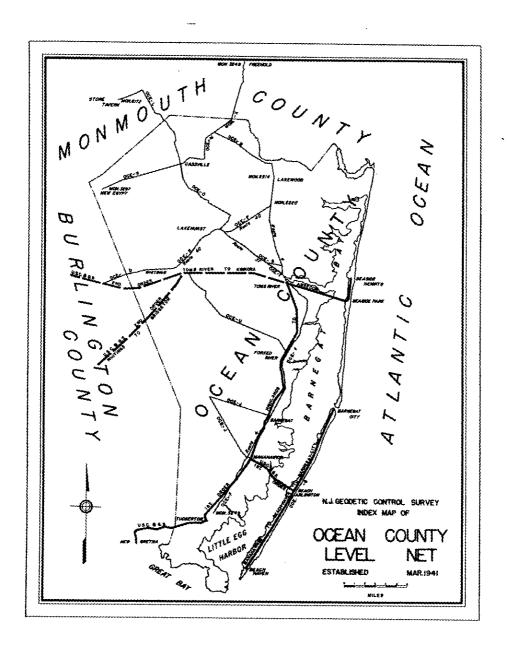
APPENDIX

First Order Leveling of U. S. Coast and Geodetic Survey Second Order Leveling of U. S. Coast and Geodetic Survey

OCEAN COUNTY LEVEL NET CORRECTIONS

The following corrections should be applied to elevations originating from N.J. Geological Survey bench marks in various localities.

Barnegat +0.05 Waretown 0.00 New Egypt +0.02 Whitings -0.16



Monmouth County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

MON-X, page 1

STARTING IN FREEHOLD, MONMOUTH COUNTY, ON EAST MAIN STREET AT COURT STREET AND OPPOSITE SOUTH STREET, AND RUNNING THENCE SOUTHERLY ALONG SOUTH STREET TO STATE HIGHWAY ROUTE NO. 4, THENCE SOUTHERLY ALONG S. H. ROUTE NO.4, TO THE GEORGIA SCHOOL HOUSE ROAD, FREEHOLD TOWNSHIP, SAME COUNTY, THENCE SOUTHWESTERLY ALONG GEORGIA SCHOOL HOUSE ROAD THROUGH GEORGIA, SAME COUNTY, AND JACKSON TOWNSHIP, OCEAN COUNTY, AND CONTINUING ALONG COUNTY ROUTE NO. 54 TO COUNTY ROUTE NO.6, JACKSON'S MILLS, OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

MON. 3246: BORO. OF FREEHOLD, MONMOUTH CO., N. J. On the northwest side of E. Main St.in front of the Monmouth County Court House, about on the prolonged centerline of South St., O.05 ft. above the crown of the pawment; 15.5 ft. southwest of a fire plug; 51.1 ft. northeast of a flag pole; 16.5 ft. northwest of the curb; and 72.2 ft. south of the east corner of the Monmouth County Court House building. A standard U.S.C.& G.S.& 3.S. disk, set in concrete.

Elevation: 172.624 ft.

MON. 3260: BORO. OF FREEHOLD, MONMOUTH CO., N. J. On the southeast side of South St. just south of McLean and Marcy Sts., and level with the crown of the street; 20.0 ft. southeast of the centerline of South St.; 35.5 ft. northwest of the north corner of a stucco building; and 39.3 ft. east of a pole across the street. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 175.514 ft.

MON. 3261: BORO. OF FREEHOLD, MONMOUTH CO., N. J. On the southeast corner of State Highway Route #33 at its intersection with South St. on the property of C. Cummings; O.OS ft. shows the crown of the road; 46.8 ft. southeast of the intersection of the centerlines of South St. and Route #33; 63.1 ft. northeast of a fire hydrant; 21.8 ft. north of a pole #F-34; and 50.5 ft. northwest of the northwest corner of the house of C. Cummings. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 156.395 ft.

MEW JERSEY

Monmouth County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

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- MON. 9265: BORO. OF FREEHOLD, MORMOUTH CO., N. J. On the west side of Route 4, about 0.2 mile south of Route 33; flush with ground; 25.00 ft. north of pole 37; 9.32 ft. north of centerline of a driveway; 23.05 ft. south of southeast corner of porch of a house; 47.65 ft. west of pole J.C.P. & F.T.41; and 23.10 ft. west of centerline of Route 4. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 164.864 ft.
- MON. 9269: BORO. OF FREEHOLD, MONMOUTH CO., N. J. On the east side of Route 4, about 0.4 mile south of Route 33; flush with ground; 60.52 ft. northeast of pole 49; 18.02 ft. southeast of centerline of road; 45.30 ft. southeast of pole 51; 62.14 ft. south of pole 48. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 155.091 ft.
- RV. 3258: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of State Highway Route 4, on the property of Patten, O.6 miles south of the intersection of State Highway Route 33 and South St. (Borough of Freehold); 29.9 ft. southeast of the coutheast corner of the Patten dwelling; 105.8 ft. southwest of pole FT55 & 63.1 ft. west of the centerline of State Highway Route #4. A standard monel metal rivet, set in a large mass of brown field stone. Elevation: 154.492 ft.
- RV. 3259: FREEHOLD TWP., MONMOUTH GO., N J. On the westside of State Highway Route 4, about 1.2 miles south of the intersection of State Highway Route 33 and South St. (Borough of Freshold); 65.8 ft. west of the centerline of Route 4; 131.6 ft. northwest of pole FT-76 & 99.0 ft. southwest of pole FT-75; in the pavement in frontof Al's Market. A standard monel metal rivet, set in concrete. Elevation: 130.301 ft.
- RV. 3260: FREEHOLD TWP., MONMOUTH CO., N. J. On the east side of State Highway Route 4, about 1.75 miles south of the intersection of State Highway Route 33 and South St. (Borough of Freehold); and at a place known as Mac's Stand; 17.9 ft. east of the centerline of State Highway Route 4; 76.0 ft. northwest of the northwest corner of Mac's Stand; 9.1 ft. south of pole FT-94 k 195.2 ft. southwest of the southwest corner of the house of R.J. Tice. A standard monel metal rivet, set in the top of a small concrete culvert head-wall.

 Elevation: 120.355 ft.

GEODETIC CONTROL SURVEY

Monmouth County 1940

MON-X, page 3

DESCRIPTION OF BENCH MARKS

MON. 3263: FREEHOLD TWP., MONMOUTH CO., N. J. On the east side of State Highway Route 4, at the Georgia School House Road, on the property of the Freehold Nursery, about 2.12 miles south of State Highway Route 33; 0.75 ft. below the crown of the road; 16.0 ft. east of the centerline of Route 4; 38.8 ft. northwest of the southwest corner of a green-house; and 79.0 ft. east of the northeast corner of the Clayton house. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 113.174 ft.

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MON. 3264: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia Schoolhouse Road, about 0.25 mile southwest of Route 4; flush with the ground; 15.20 ft. northwest of centerline of road; 75.20 ft. northeast of pole F.T.—40101; 149.00 ft. northeast of north line of frame house; 68.90 ft. southwest of pole F.T.—90038; and 89.60 ft. west of southwest corner of house of L. Conover. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 106.796 ft.

MON. 9270:

FREEHOLD TWP., MONMOUTH CO., N. J. On the east side of Georgia Schoolhouse Road, about 0.6 mile southwest of Route 4; 36.75 ft. northeast of end post of a fence; 34.63 ft. northeast of a cross out in curb inlet; 125.63 ft. northeast of pole 40026; 31.65 ft. east of a cross out in curb inlet on opposite side of the road; 14.43 ft. southeast of centerline of road; and 43.47 ft. southeast of pole 40025. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 102.341 ft.

MON. 9271:

FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School house Road, about 1.05 miles south of Route 4; flush with ground; 9.42 ft. northeast from pole F.T.-36; 158.68 ft. southwest from southeast corner bridge wall; 33.03 ft. west of 15th post of guard rail, south of bridge; 17.60 ft. west of centerline of Georgia School house Road. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 86.226 ft.

MEN JERSEY

Monmouth County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

1940 MON-X, page 4

MON. 9272: FRENOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, about 1.3 miles south of Route 4; flush with ground; 59.72 ft. north from tack in 15 inch Oak tree; 25.18 ft. northeast from pole F.T.-42; 41.57 ft. northeast from northeast corner of house of McFarlane; 74.22 ft. west of middle of 12 inch Cedar tree; 29.70 ft. northwest from centerline of Georgia School-house Road.
A standard N.J.G.C.S. disk, set in concrete.
Elevation: 104.520 ft.

- MON. 9273: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, about 1.5 miles south of Route 4, and 292.50 ft. south of centerline of Unionville-wykoff Mills Road; flush with ground; 73.03 ft. north of pole F.T.-47; 125.40 ft. northeast from northeast corner of frame house of A. Hendrickson; 126.05 ft, south of pole F.T.-46; and 19.89 ft. west of centerline of road. A standard M.J.G.C.S. disk, set in concrete. Elevation; 105.105 ft,
- RV. 3263: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, at a branch of the Manasquan River; 119.0 ft. northeast of pole F.T.-52; 35.0 ft. southwest of pole F.T.-51; in the concrete abutment(northwest) of a small wooden bridge (designated as #50). A standard monel metal rivet, set in concrete.

 Elevation: 96.709 ft.
- MON. 9274: FREENCLD TWP., MONMOUTH CO., N. J. On the east side of Georgia School-house Road, about 1.85 miles south of Route 4, and 638.55 ft. south of south side of County Bridge F-50; flush with the ground; 67.94 ft. northeast of pole F.T.-55; 22.50 ft. south of tack in 20 inch Locust tree; 15.43 ft. east of centerline of road; 137.70 ft. southeast of pole F.T.-54. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 108.417 ft.

GEODETIC CONTROL SURVEY

Monmouth County

DESCRIPTION OF BENCH MARKS

MON-X, page 5

MON. 9275: FREEHOLD TWP., MONMOUTH CO., N. J. On the east side of Georgia School-house Road, opposite house of C. Rotchford, 2.20 miles south of Route 4, and 4.45 miles north of County Line Road; flush with ground; 7.52 ft. northeast of, 5.27 ft. southwest and 5.35 ft. southeast of three small concrete markers with a nail in top; 55.73 ft. southeast and 59.15 ft. northeast of two R.R. spikes in road; 55.07 ft. south of pole F.T.-61 and 98.56 ft. southeast of a tack in a 12 inch Pine tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 110.643 ft.

MON. 3265: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, about 2.20 miles south of the intersection of Georgia School-house Road and the Eltom Adelphia Road, on the property of A. Konoenig; flush with the ground; 21.2 ft. west of the centerline of road; 69.6 ft. southwest of pole F.T.-67; 152.0 ft. northeast of pole 66; 200 ft. southwest of the south line of the house of A. Konoenig. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 131,261 ft.

MON. 3266: FREEHOLD TWP., MONMOUTH CO., N J. On the east side of the Georgia School-house Road, about 2.55 miles south of the Elton-Adelphia Road, 364 ft. north of the centerline of the Smithburg-Fort Plains Road; 17.2 ft. east of the centerline of the road; 31.1 ft. south of a pole F.T.-73. A standard U.S.C.& G.S.& S.B. disk, set in concrete.

Elevation: 125.463 ft.

MON. 9276: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, about 3,05 miles south of Route 4, and 3,60 miles north of County Line Road; flush with ground; 14.42 ft. northwest of centerline of road; 33.97 ft. northwest and 37.45 ft. southwest of two R.R. spikes in road; 110.50 ft. southwest of pole F.T.-79; 113.60 ft. northwest of end post of Guard reil; and 143.92 ft. northwest of pole F.T.-80. A stendard N.J.G. C.S. disk, set in concrete.

Elevation; 116.447 ft.

Monmouth County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

.. 1940

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MON. 9277: FREEHOLD TWP., MORMOUTH CO., M. J. On the east side of the Georgia School-house Road, about 3.25 miles south of Route 4, and 3.40 miles north of County Line Road; flush with the ground; 12.73 ft. southeast of centerline of road; 16.45 ft. northeast of end post of a guard rail; 91.68 ft. northeast of pole F.T.-84; and 111.50 ft. northeast of north line of small plank bridge A standard N.J.C.C.S. disk, set in concrete.

RV. 3264; FREEHOLD TWP., MOMMOUTH CO., N. J. On the west side of the Georgia School-house Road, 35.2 ft. south of the southwest corner of bridge #46 and 225.0 ft. south of the south line (Produced) of a yellow house owned by M. Ashman; 14.5 ft. west of the centerline of the Georgia School-house Road; 176.5 ft. northwest of pole F.T.-55 and 78.0 ft. southwest of pole F.T.-54. A standard monel metal rivet, set in a concrete monument. Elevation; 106.826 ft.

MON. 9278: FREEHOLD TWP., MONMOUTH CO., N J. On the west side of Georgia School-house Road, about 3.50 miles south of Route 4, and 3.15 miles north of County Line Road; flush with the ground; 14.95 ft. northwest of centerline of road; 25.43 ft. southwest and 26.40 ft. northwest of two R.R. spikes in road; 66.85 ft. northeast of end post of a guard rail; 106.67 ft. southwest of pole F.T.-85; and 250.00 ft. south of the south line of the house of R. Boits. A standard N.J.G.C.S. disk, set in concrete.

MON. 9279: FREEHOLD TWP., MONMOUTH CO., N. J. On the east side of the Georgia School-house Road, about 3.75 miles south of Route 4, and 2.90 miles north of County Line Road; flush with the ground; 16.65 ft. east of centerline of Georgia School-house Road; 47.55 ft. southwest of a property monument on the east side of the road; 135.45 ft. south of the end post of guard rail on the east side of road. A standard N.J.G.C.S. disk, set in concrete.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Monmouth County
Ocean County

MON-X, page 7

MON. 9280: FREEHOLD TWP., MONMOUTH CO., N. J. On the west side of Georgia School-house Road, about 4.05 miles south of Route 4, and 2.60 miles north of County Line Road; 13.54 ft. west of centerline of road, 29.65 ft. northeast of a Pine tree marked B.M.-15; 47.20 ft. northwest of the northwest corner of a concrete head-wall on the east side of the road; 49.65 ft. northeast of the end post of guard rail on the west side of the road; 50.00 ft. northwest of the end post of guard rail on the east side of the road. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 152,057 ft.

MON. 3267: JACKSON TWP., OCEAN CO., N. J. On the southeast side of Georgia School-house Road, about 400 ft. southwest of the Ocean-Monmouth County Line, 671 ft. southwest of B. Clayton's house, 2.3 miles northeast of the County Line Road at Jackson's Mills; 1.37 ft. above the crown of the road; 17.81 ft. southeast of, 26.75 south of, and 26.15 ft. northeast of three spikes in the centerline of the road. A standard U.S.C.& G.S.& S.S. disk, set in concrete Elevation: 153.539 ft.

MON. 3268: JACKSON TWP., OCEAN CO., N. J. At the southeast corner of the intersection of Georgia School-house Road, County Route 34 & County Route 12, said intersection being located southerly from a road leading in an easterly direction from Georgia School-house Road to Farmingdale; 101.0 ft. southwest of the centerline intersection of Georgia School-house and Farmingdale Roads; 33.77 ft. southeast of a spike in centerline of Georgia School-house Road; 49.40 ft. southeast of a spike in centerline intersection of Harmony and Jackson's Mills Roads; and 41.05 ft. northeast of a spike in centerline of Harmony Road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 142.502 ft.

MON. 9281: JACKSON TWP., OCEAN CO., N. J. On the west side of Georgia School-house Road, about 4.75 miles south of Route 4, and 1.90 miles north of County Line Road; flush with the ground; 15.25 ft. northeast of a tack in a 14 inch Oak tree; 17.47 ft. northeast of a tack in a 10 inch Pine tree; 19.70 ft. northwest of centerline of road; and 47.36 ft. northwest of a 30 inch Black Oak tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 155.749 ft.

GEODETIC CONTROL SURVEY

Ocean County 1940

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MON-X, page 5

DESCRIPTION OF BENCH MARKS

MON. 9282: JACKSON TWP., OCEAN CO., N. J. On the east side of Georgia School-house Road, about 5.00 miles south of Route 4, and 1.65 miles north of County Line Road; flush with the ground; 14.25 ft. southwest of a tack in a 10 inch Oak tree; 14.45 ft. north of a tack in an 5 inch Pine tree; 16.55 ft. southwest of centerline of road; and 91.10 ft. northeast of a property monument. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 144.264 ft.

MON. 9283; JACKSON TWP., OGEAN CO., N. J. On the west side of Georgia School-house Road, about 5.30 miles south of Route 4, and 1.35 miles north of County Line Road; flush with ground; 19.05 ft. northwest of centerline of road; 76.40 ft. southwest of a tack in a pole (no number); 171.75 ft. northwest of a tack in another pole (no number) and 266.00 ft. southwest of southeast corner of a road-stand. A standard N.J.G.C.3. disk, set in concrete. Elevation: 153.129 ft.

MON. 9284; JACKSON TWP., OCEAN CO., N. J. On the east side of Georgia School-house Road, about 5.60 miles south of Route 4, and 1.05 miles north of County Line Road; flush with the ground; 16.60 ft. east of centerline of road; 31.90 ft. southeast of a guard rail post; 46.20 ft. southwest of a tack in pole-54; and 206.20 ft. northeast of a tack in a pole (no number). A standard N.J.G.C.S. disk, set in concrete.

Elevation: 132.159 ft.

MON. 9285: JACKSON TWP., OCEAN CO., N. J. On the west side of Georgia School-house Road, just north of Harmony Road, about 5,90 miles south of Route 4, and 0.75 mile north of County Line Road; flush with ground; 15,90 ft. west of centerline of road; 64.25 ft. north of centerline of Harmony Road; 103.80 ft. northwest of a tack in a 12 inch White Oak tree; and 148.00 ft. southwest of a tack in a 12 inch Locust tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 129.030 ft.

HEW JERSEY

Ocean County

GEODETIC CONTROL MURVEY

1940

DESCRIPTION OF BENCH MARKS

MOHOX, Dage 9

MON. 9286: JACKBOR TWP., OCKAR CO., H. J. On the east mide of Georgia School-house Road, about 6.05 miles could of Route 4, and 0.6 mile north of County Line Road; flush with ground; 16.05 ft. southeast of centerline of road; 25.70 ft. northeast of centerline of a farm lane; 64.60 ft. southeast of a 40 inch Oak tree; and 73.35 ft. southeast of the southeast corner of a house on the opposite side of the road. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 122.833 ft.

MON. 9287: JACKSON TWP., OCEAN CO., N. J. On the west side of Georgia School-house Road, about 5.25 miles south of Route 4, and 0.4 mile north of County Line Road; flush with ground; 16.20 ft. west of centerline of road; 42.70 ft. southwest of a tack in a 6 inch Pine tree; 119.30 ft. northeast of end post of a guard rail on west side of road; and 123.72 ft. northwest of end post of a guard rail on east side of road. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 112.963 ft.

MON. 5223: JACKSON MILLS, OCEAN CO., N. J. On the southeast side of County Route 3t, about 600 ft. northeast of the intersection with County Line Road, on the site of an old oil well venture; 3.74 ft. north of nail in Locust bree; 10.05 ft. east of spike in roadway; 9.20 ft. southeast of another spike; 11.00 ft. southwest of Red Gedar, A standard N.J.G.C.S. disk, set in concrete.

Elevation: 110.029 ft.

MON. 5235: JACKSONS MILLS, JACKSON TWP., OCEAN GO., N. J.On the southeast side at the intersection of the Vanhiseville Road (Co.Rte.34) and the Bennetts Mills Road (Co.Rte.6), opposite the hotel; 20.72 ft. southeast of the centerline of the road; and 37.27 ft. southwest of a tack in a pole JK-95. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 108.304 ft.

OCEAN COUNTY

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

SCE-F, page 1

STARTING IN BEACHWOOD, OCEAN COUNTY, AT THE CROSSING OF THE PENNSYLVANIA RAILROAD AND CENTRAL RAILROAD OF NEW JERSEY, AND RUNNING
THENCE EASTERLY TO STATE HIGHWAY ROUTE NO. 4, THENCE IN A GENERAL
SOUTHWESTERLY DIRECTION ALONG STATE HIGHWAY ROUTE 4, THROUGH MOTT'S
CORNER, BERKELEY TWP., LANOKA HARBOR, FORKED RIVER, WARETOWN,
BARNEGAT, MANAHWKIN, STAFFORDVILLE AND WEST CREEK TO A POINT ABOUT
1.2 MILES NORTHEAST OF GREEN STREET IN TUCKERTON, SAID PGINT BEING
IN LITTLE EDG HARBOR TOWNSHIP, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

M-6: BEACHWOOD, GCEAN COUNTY, N. J. At the crossing of the Pennsylvania Railroad and Central Railroad of New Jersey, 70 ft. east of the railroad station, 18 ft. northeast of the intersection of the tracks, and 58 ft. southwest of the end of the curb on the street leading to the station. A standard disk, stamped "M-6-1930", and set in the top of a concrete post.

Elevation: 7.811 meters or 25.627 ft.

MON. 2235: BORO. OF BEACHWOOD, OCEAN COUNTY, N. J. On the northeast side of State Highway Route #4, in the east angle of Spring St., and a short distance easterly slong State Highway Route #4 from the traffic circle at Beachwood Blvd. and about 1.0 mile southeast of Toms River some County; 4.55 ft. south of pole BE-50; 3.35 ft. west of a street monument; 46.27 ft. north of pole #51-A and opposite the bungalow occupied by H. Boutilette, A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 21.930 ft.

L-6: BEACHWOOD, OCEAN COUNTY, N. J. On the Pennsylvania Railroad, 76% ft. west of the center of the crossing of the
Atlantic City Highway; 25.7 ft. south of the south rail,
and 17 ft. north of a dirt road which parallels the trucks.
A standard disk, stamped "L-6-1930", and set in the top
of a concrete post.

Elevation: 7.481 meters or 24,544 ft.

RV. 2240: BEACHWOOD, BERKELEY TWP., SCEAN COUNTY, N. J. On the northeast corner at concrete base of gas pumps at Langers Gas Station, east side of Atlantic City Highway (Route 4), 0.65 miles south of Spring St., Beachwood; 25.6 ft. east of east edgs of concrete in terrace on right hand side of concrete steps opposite pole #2091 and north of pole P.B. 73. A standard monel metal rivet, setin concrete. Elevation: 37.787 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 2241: BERKELEY TWP., OCEAN COUNTY, N. J. At Lindstroms Read Stand on west side of highway, 1.2 miles south of Spring St., Beachwood; 100 ft. south of Pleasant Ave., Pine Beach; 20.0 ft. west of west edge of concrete; 35.5 ft. south of pole #2068. A standard monel metal rivet, set in concrete.

Elevation: 35.205 ft.

RV. 5275: BERKELEY TWP., OCEAN COUNTY N. J. West of Route #4, at Quail Run (Mill Creek) bridge, north end of west abutment guard rail; 1.33 miles south of Spring St., Beachwood; 1.35 ft. south of north end of guard rail; 20 ft. west of centerline of highway. A standard monel metal rivet, set in concrete.

Elevation: 22.534 ft.

RV. 2242: BERKELEY TWP., OCEAN COUNTY, N. J. On the west side of Route #4, at Sherrers Gas Station, Bayville on concrete base of gas pumps, south end, 1.5 miles south of Spring St., Beachwood; 25.73 ft. west of west edge of concrete highway; 45.25 ft. north of pole #2043. A standard monel metal rivet, set in concrete.

Elevation: 37.066 ft.

MON.2236: BERKELEY TWP., OCEAN COUNTY, N. J. On the southwest side of State Highway Route #4, near the Bayville School building, about 3.35 miles southeast of the Post Office in Toms River; 12.25 ft. southwest of the edge of the concrete pavement; 54.54 ft. southeast of a nail at the west corner of highway slab #312; and 50.0 ft. southeast of pole #2026. A standard U.S.C.& G.S.& S.B. disk, set in concrete.

Elevation: 30.230 ft.

MON.2237: MOTTS CORNER, BERKELEY TWP., OCEAN COUNTY, N. J. On the northeast side of State Highway Route #4 and between the two eide roads to Pine Beach and Docean Gate, about 3.65 miles southeast of the Post Office in Toms River; 47.66 ft. southeast of a tack in pole #B-144; 12.16 ft. south of a tack in pole #BT-459; and 117.57 ft. northeast of the east corner of a telephone man-hole. A standard U.S.C. & U.S.& S.S. diek, set in concrete.

Elevation: 26.728 ft.

Seean County

GEODETIC CONTROL SURVEY

1960

DESCRIPTION OF BENCH MARKS

OCE-F. page 3

RV. 2243: BERKELEY TWP.. OCEAN COUNTY, N. J. On the east side of Route #4, at Rakers White Flash Gas Station, Bayville.
3.0 miles south of Spring St., Beachwood; 24.2 ft. east of east edge of concrete; 42.3 ft. north ofpole B-167; in north end of concrete base of gas pumps. A standard monel metal rivet, set in concrete.

Elevation: 38,607 ft.

RV. 2244: BERKELEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, at Bridge over branch of Potters Creek in center of parapet base; 3.5 miles south of Spring St., Beachwood; 10.75 ft. west of west edge of concrete; just south of pole #1971. A standard monel metal rivet, set in concrete.

Elevation: 14.672 ft.

P-6: LANOKA HARBOR, OCEAN COUNTY, N. J. About 2.9 miles south of Beachwood, Ocean County, on the Central Railroad of New Jersey, about 60 ft. northeast of a highway crossing; 55.0 ft. east of the east rail; 16 ft. east of a dirt road which parallels the tracks; 72 ft. north of a road leading to the highway; and 20 ft. west of a long barn. A standard disk, stamped "P-6-1930", and set in the top of a concrete post.

Elevation: 15.537 meters or 50.974 ft.

RV. 2245: BERKELEX TWP., OCEAN COUNTY, N. J. On the east side of Route #4, in the south end top of wall of concrete steps at residence of W. H. Cleckner, 4.6 miles south of Spring St., Beachwood; 12.55 ft. east of east edge of concrete; 47.5 ft. south of pole #B-213. A standard monel metal rivet, set in correte.

Elevation: 37.574 ft.

MON. 2238: BERKELEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, in the sidewalk, and in front of the house of A. Brigger, about 5.70 miles southeast of the Post Office in Toms River; 19.40 ft. west of the centerline of Route #4; 21.75 ft. south of a pole #BT-1929; and 2.72 ft. south of the southeast corner of the concrete steps. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 34.176 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

DOE-F, page 4

MON, 2239: BERKELEY TWP., OCEAR COUNTY, R. J. On the east side of the State Highway Route #4 and just south of a cross road, about 5.95 miles southeast of the Post Office in Toms River; 22.72 ft. east of the centerline of Route #4; 80.0 ft. south of the centerline of the Pinewald Road; and 37.03 ft. north of a pole #8-237. A standard U.S.C.& G. 8. & S. 8. disk, set in concrete.

Elevation: 24,410 ft.

RV, 2246: BERKELEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, * mile south of main entrance to Pinewalk (Mon. 2239) in south end of oulvert head-wall, 0.3 miles south of Mon. 2239; lO ft. east of pole #87-14-1905. A standard monel metal rivet, set in concrete.

Elevation: 23.063 ft. DESTROYED

RV. 2247: LANGKAS OCEAN COUNTY, N. J. At southeast corner of highway concrete bridge over Cedar Creek, Lancka Harbor, below and to the right of numbral *4* on southeast post. A standard monel metal rivet, set in concrete.

Elevation: 10.553 ft.

q-6: LANGEA HARBOR, OCEAN COUNTY, N. J. About 116 ft. north of the railroad station, 456 ft. east of the east rail, at the edge of the woods. A standard disk, stamped "q-6-1930", and set in the top of a concrete post.

Elevation: 5.941 meters or 19.491 ft.

RV. 2246: LANOKA, OCEAN COUNTY, N. J. On the west side of Route \$4, north end top of concrete steps at Ackerman residence Lanoka Harbor, about \$ mile south of Cedar Creek; 12.42 ft. west of west edge of concrete highway and northwest of pole \$1-254. A standard monel metal rivet, set in concrete.

Elevation: 30.348 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 2240: LACEY TWP., OCEAN COUNTY, N J. On the southeast side of State Highway Route #4, opposite the apple orchard of Issac Jones, about 5.0 miles south of the Post Office in Toms River; 20.60 ft, southeast of the centerline of Route #4; 21.3 ft. north of a guy pole #BT-14-1536 and 13.99 ft. west of a 20 inch Apple Tree. A standard U.S.C. & G.S.& S.S. disk, set in concrete.

Elevation: 34.519 ft.

MON. 2241: LACEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, near the Piedmont Inn, 5.25 miles south of the Post Office in Tons River, 0.67 ft below the ground; 32.57 ft. west of the centerline of the road; 15.14 ft. southwest of a pole #1526; and 53.02 ft. northwest of pole #BT-1825. A standard U.S.C.& 8.3.& S.S. disk set in concrete.

Elevation: 36.739 ft.

RV. 2249: LAGEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, north end of culvert head-wall; O.66 miles north of Lacey Road, Forked River; 13.05 ft. west of west edge of concrete between poles #1795 and 1 97. A standard monel metal rivet, set in concrete. Elevation: 17.734 ft.

RV. 2250: FORKED RIVER, LACEY TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, opposite entrance to State Game Farm in south edge of concrete driveway, 0.35 miles north of Lacey Road; 6.75 ft. west of west edge of concrete between poles #1781 and BT-14-1780. A standard monel metal rivet, set in concrete. Elevation: 16.353 ft.

MON. 2242: FORKED RIVER, LACEY TWP., OCEAN COUNTY, N. J. On the west corner, in the sidewalk in front of the gasoline station of wm. Hebeler, at the intersection of State Highway Route #4 and Lacey Road (Co. Route #33), 0.33 ft. below ground; 16.53 ft. northwest of the centerline of Route #4; 47.57 ft. southwest of a pole #BT-1771; and 46.35 ft. northeast of a pole #BT-1770. A standard U.S.C. & G.S.& S.S. disk, set in concrete.

Elevation: 14.292 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-F, page 6

8--6

FORKED RIVER, OCEAN COUNTY, N. J. On the Central Rail-road of New Jersey, 442 ft. south of the first crossing north of the station, and 20,2 ft. west of the west rail. A standard disk, stamped "8-6-1930", and set in the top of a concrete post which projects about 4 inches above the ground.

Elevation: 5.942 meters or 19.495 ft.

R-6:

FORKED RIVER, OCEAN COUNTY, N. J. About 164 ft. south of the Central Railroad of New Jersey Station, 63 ft. north of the edge of the river, 45.4 ft. east of the east rail, and 12 ft. south of the south edge of a road. A standard disk, stamped "R-6-1930", and set in the top of a concrete post which projects about 6 inches above the ground.

Elevation: 4.354 meters or 14.353 ft.

MON. 2244:

FORKED RIVER, LACEY TWP., OCEAN COUNTY, N. J. On the southeast side of State Highway Route #4, in the sidewalk at Bay Ave., about 0.25 miles southwest of Lacy Road,0.5 ft. below ground; 20.55 ft. southeast of the centerline of Route #4; 4.96 ft. southwest of a 9 inch box post; and 4.71 ft. north of the east end of a culvert. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 13.317 ft.

RV. 2251:

LACEY TWP., OCEAN COUNTY, N. J. In southwest corner of Bridge over Middle Branch of Forked River, Route #4, 1 mile south of Lacey Road, Forked River; 37.65 ft. north of pole #1725, under the numeral *5* of 1925. A standard monel metal rivet, set in concrete.

Elevation: 9.179 ft.

RV. 2252:

LACEY TWP., OCEAN COUNTY, N. J. On southwest corner of Bridge over South Branch of Forked River, 1.5 miles south of Lacey Road; under numeral *5* in 1925; 50 ft. north of guy pole #L-376X. A standard monel metal rivet, set in concrete.

Elevation: 10.728 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

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- MON. 2245: OCEAN TWP., OCEAN COUNTY, N. J. On the east side of State Highway Route #4. Just south of Oyster Creek, and 2.25 miles south of its intersection with Lacey Road in Forked River; 8.50 ft. east of the edge of the concrete pavement; 14.44 ft. southeast of the southeast corner of the bridge, near the guard rail fence. A standard U.S.C. & G.S.& S.S. disk, set in concrete.

 Elevation: 7.867 ft.
- T-6: WARETOWN, OCEAN COUNTY, N. J. About 1.2 miles north of Waretown, Ocean County, on the West end of the south abutment of a highway bridge. A standard disk, stamped "T-6-1930", and set horizontally.

 Elevation: 2.454 meters or 5.051 ft.
- MON. 2246: OCEAN TWP., OCEAN CO., N. J. On the east side of State Highway Route #4 and 1600.0 ft. south of Oyster Creek, about 2.60 miles south of its intersection with Lacey Road in Forked River; 9.56 ft. east of the edge of the concrete pavement; 18.46 ft. south of pole #0N-415; and 14.33 ft. southeast of a drill hole in the pavement. A standard U.S.C.& G.S.& 3.S. disk, set in concrete.

 Elevation: 19.331 ft.
- RV. 2253: WARETOWN, OCEAN COUNTY, N. J. On the west side of State Highway Route #4, 3.0 miles south of Lacey Road, Forked River, in south end of culvert head-wall; 0.35 miles north of Waretown Creek; 14.4 ft. west of west edge of concrete and northwest of pole #ON-431. A standard monel metal rivet, set in concrete.

 Elevation: 15.482 ft.
- RV. 2254: WARETOWN, OCEAN COUNTY, N. J. In southwest end of Highway Bridge over Waretown Creek, Route #4, under numeral #2 in 1925, southwest of pole #0M-441. A standard monel metal rivet, set in concrete.

 Elevation: 12,638 ft.

SEODEFIC CONTROL SURVEY

DESCRIPTION OF SENCH MARKS

Ocean County

OCD-F, page S

- V-6: WARETOWN, OCEAN COUNTY, H J. At Waretown, Ocean County, 56% ft. north of the railroad station, and 20% ft east of the east rail. A standard disk, stamped "V-6-1930", and set in the top of a concrete post which projects about 2 inches above the ground.

 Elevation: 4,578 meters or 15,020 ft.
- MON. 2247: WARRETOWN, OCEAR TWP., OCEAR COUNTY N. J. On the southeast side of State Highway Route #4, just south of a fork with the old road, about 4.15 miles south of the intersection with Lacey Road, in Forked River; 1.92 ft. southeast of the edge of the concrete pavement; 2.74 ft. northwest of a pole #1578; and 27.00 ft. south of a joint where four highway slabs meet. A standard U.S.C.& G.S.& S.S.disk, set in concrete. Elevation: 18.548 ft.
- MON. 2246: WARETOWN, OCEAN TWP., OCEAN COUNTY, N. J. On the northwest side of State Highway Route #4, about 1300.0 ft. southwest of an old road to Waretown, and 4.40 miles south of its intersection with Lacey Road in Forked River; 17.45 ft. northwest of the edge of the concrete pavement; 27.78 ft. north of a pole #469X; and 16.45 ft. southwest of a pole #1566. A standard U.S.C.& G.S.& B.S. disk, set in concrete, Elevation: 23.232 ft.
- RV. 2255:OCEAN TWP., OCEAN COUNTY N J. At northeast corner of concrete bridge over Lochiel Creek, Route #4; 5.1 miles south of Lacey Road; 21.0 ft. east of centerline of Highway. A standard monel metal rivet, set in concrete. glevation: 20.592 ft.
- W-6: BARNEGAT, OCEAN COUNTY, N. J. About 1 mile north of Barnegat, Ocean County, between the Central Railroad of New Jersey and the Tuckerton Railroad, 46 ft. south of a road crossing; 30.1 ft. east of the east rail of the Tuckerton Railroad and 39.6 ft. west of the west rail of the Central Railroad of NewJersey. A standard disk, stamped "W-6-1930", and set in the top of a concrete post which projects about 6 inches above the ground.

 Elevation: 9.776 meters or 32.073 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 2256: BARNEGAT, UNION TWP., OCEAN COUNTY, W. J. On the east side of State Highway Route #4,2.25 miles south of Ware-town, in south end of culvert head-wall; 13.65 ft. east of east edge of concrete; 30 ft. north of pole #U-506.

A standard monel metal rivet, set in concrete.

Elevation: 26.806 ft.

MON. 2249: BARNEGAT, UNION TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, in the sidewalk and about 0.25 miles north of Bay Ave.; 1.10 ft. west of the curb; 23.26 ft. south of the top nut of a fire hydrant; and 19.66 ft. north of a pole #U-525. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

Elevation: 34.429 ft.

MON. 2250: BARNEGAT, UNION TWP., OCEAN COUNTY, N. J. On the northwest corner of State Highway Route #4, at its intersection with Bay Ave.(Go. Route #2); 30.67 ft. northwest of a nail at the intersection of the centerlines of the two roads; 2.25 ft. west of the curb; and 20.57 ft. north of a water gate. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 38.144 ft.

X-6: BARNEGAT, OCEAN COUNTY N. J. On the west face of and near the southwest corner of the First National Bank on South Bay Street. A standard disk, stamped "X-6-1930", and set vertically about 2½ ft. above the sidewalk.

Elevation: 13.136 meters or 43.097 ft.

Y-6: BARNEGAT, OCEAN COUNTY, N. J. At the north edge of the town, east of the tracks of the Central Railroad of New Jersey, on the west side of the circular concrete wall of a turntable. A standard disk, stamped "Y-6-1930", and set horizontally in the top of a wall.

Elevation: 12.798 meters or 41.988 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County

1940

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- RV. 2256: BARNEDAT, UNION TWP., OCEAN COUNTY N. J. In base of cement step on west side of Route #4, } mile south ofBay ave., Barnegat; Wheeler residence, (Fire Warden); 45.1 ft. west of west edge of Highway. A standard monel watal rivet, set in concrete.

 Elevation: 42.645 ft.
- RV. 2259: UNION TWP., OCEAN COUNTY, N. J. On west side of Route #4, at R. R. crossing, 8.10 miles south of Bay Ave., Barnegat, in culvert head-wall; 25,1 ft. west from edge of Highway and 42.62 ft. northeast of pole #U-574. A standard monel metal rivet, set in concrete, Elevation: 44.227 ft.
- RV. 2260: UNION TWP., OCEAN COUNTY M. J. On east side of Route #4, about la miles south of Bay Ave., Barnegat; in north end or culvert head-wall; 16.74 ft. east of edge of Highway and 11.04 ft. north of pole #1408. A standard monel metal rivet, set in concrete. glevation: 41.150 ft.
- RY. 2229: STAFFORD TWP., OCEAN COUNTY, N. J. About 1.9 miles south of Barnegat on west side of Route #4, at south end of west culvert head-wall, 33.25 ft. west of centerline of concrete paving and 19.7 ft. north of pole #87-14-1385. A standard monel metal rivet, set in concrete, Elevation: 41.808 ft.
- MON. 2251: STAFFORD TWP., OCEAN COUNTY, N. J. On the southeast side of State Highway Route #4, opposite the joint between highway slabs #238 and #239, about 2.6 miles southwest of its intersection with County Route #2 in Barnegat; 12.09 ft. southeast of the edge of the concrete pavement; 60.0 ft. south of a pole #1357; and %5.40 ft. northeast of a drill hole in highway slab #240. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: #4,490 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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R.W.#2

"MCKINLAY": STAFFORD TWP., OCEAN COUNTY, N. J. On the northwest side of State Highway Route #4, near a 16 inch culvert, about 2.9 miles southwest of County Route #2 in Barnegat; 65.0 ft. southwest of the southwest side of the culvert; 25.0 ft. northwest of the centerline of the road; and about 125.0 ft. southwest of a sand road. A standard U.S.C.& G.S.-R.M. disk, set in concrete.

Elevation: 50.943 ft.

z-6:

MANAHAWKIN, OCEAN COUNTY N. J. About 1.7 miles north of Manahawkin, Ocean County, about 110 ft. north of the crossing of a secondary road, and 15.1 ft. east of the east rail of the Tuckerton Railroad. A standard disk, stamped *Z-6-1930*, and set in the top of a concrete post which projects about 3 inches above the ground.

Elevation: 10.794 meters or 35.413 ft.

RV. 2261:

STAFFORD TWP., OCEAN COUNTY, N. J. On the west side of Route #4, about 2% miles south of Barnegat, in south end of culvert head-wall; 13,65 ft. west from edge of Highway and 60.15 ft. north of pole #BT-14-1325. A standard monel metal rivet, set in concrete.

Slevation: 32.532 ft.

BV. 2262:

MANAHAWKIN, STAFFORD TWP., OCEAN COUNTY, N. J. At Manahawkin Junction of Routes #4 and 840, in south end of Gas Stand, "Manahawkin Auto Service Station"; 20.75 ft. west from edge of Route #4. A standard monel metal rivet, set in concrete.

Elevation: 31.699 ft.

MON. 2252: MANAHAWKIN, STAFFORD TWP., OCEAN COUNTY, N. J. On the southeast side of State Highway Route #4, on a hedge line, opposite highway slab #435; also opposite the Baptist Church, Just northeast of State Highway Route #8-40; 11.20 ft. southeast of the edge of the concrete pavement; 35.55 ft. north of a pole #AC-6710; and 17.64 ft. south of the south corner of highway slab #434. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 32.289 ft.

HEW JERSEY

Ocean County

GEODETIC CONTROL SURVEY

1940

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DESCRIPTION OF BENCH MARKS

- B-7: MANAHAWKIN, OCEAN COUNTY, N. J. About 100 ft. west of the four corners on Routs #8-40, in the north end of the east abutment of the first highway bridge west of the town. A standard disk stamped, "B-7-1930", and set horizontally. Elevation: 7.656 meters or 25.118 ft.
- A-7: MANAHAWKIN, OCEAN COUNTY, N. J. On the Tuckerton Railroad, just south of the main highway crossing at Manahawkin, on the northeast corner of the concrete base of a signal tower. A standard disk, stamped "A-7-1930", and set horizontally. Elevation: 8.600 meters or 25.215 ft.
- MON. 2253: MANAHAWKIN, STAFFORD TWP., OCEAN COUNTY, N. J. On the southeast side of the State Highway Route #4 at the curve, just southwest of State Highway Route #5-40, 12 inches below gravel surfacing; 17.41 ft. southeast of the edge of the concrete payement; 11.50 ft. northeast of a pole #AC-6701; and 19.36 ft. south of the end of a joint between highway slabs. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 22.532 ft.
- RV. 2263: MANAHAWKIN, STAFFORD TWP., OCEAN COUNTY N. J. On the west side of Route #4, at Cedar Run; in north end of concrete platform of Cedar Run Tourist Camp; 13.35 ft. west of edge of Highway and 11.56 ft. east of pole #BT-14-1245. A standard monel metal rivet, set in concrete. Elevation: 35.916 ft.
- RV. 2264:STAFFORD TWP., OCEAN COUNTY N. J. On the east side of Route #4, in west side of concrete platform, "Cedar Run Auto Supply", in center of platform; 23.92 ft. east of edge of Highway. A standard monel metal rivet, set in concrete.

 Elevation: 20.730 ft.
- RV. 5247:STAFFORD TWP., OCEAN COUNTY, N. J. At Cedar Run on east side of Route #4, in north end of cement guard rail on concrete bridge over Cedar Creek directly under numeral *4*; 24.0 ft. east of centerline of cement paving. A standard monel metal rivet, set in concrete. Elevation: 21.070 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 2265: STAFFORDVILLE, STAFFORD TWP., OCEAN COUNTY, N. J. on the west side of Route #4, at Mayetta in oulvert head-wall; 17.52 ft. west from edge of concrete; 48.06 ft. south of pole #6614 and about 250 ft. south of Mayetta Chevrolet Agency. A standard monel metal rivet, set in concrete. Elevation: 23.181 ft.

MON. 2254: MAYETTA, STAFFORD TWP., OCEAN COUNTY, N. J. On the north-west side of State Highway Route #4, opposite highway slab #169 and near a sign board; about 2.00 miles southwest of its intersection with State Highway Route #5-40 in Manahawkin; 10.92 ft. northwest of the edge of the concret pavement; 8.52 ft. northeast of a guy pole #87-14-11942 and 17.54 ft. north of the north corner of highway slab #168. A standard U.S.C.& G.S.& S.S. disk, set in concrete Elevation: 37.731 ft.

MON. 2255: STAFFORDVILLE, STAFFORD TWP., OCEAN COUNTY, W. J. On the west side of State Highway Route #4 and near the house of Stover & Sons, about 2.25 miles southwest of its intersection with State Highway Route #8-40 in Manahawkin; 9.05 ft. southeast of a Cedar tree; 2.78 ft. northeast of a Cedar tree; and 9.90 ft. west of the edge of the concrete pavement. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 39.633 ft.

V-7: STAFFORDVILLE, OCEAN COUNTY, N. J. On the Tuckerton Railroad, 60% ft. south of the highway crossing, and 17.0 ft. west of the west rail. A standard disk, stamped *V-7-1930 and set in the top of a concrete post. Elevation: 5.556 meters or 25.169 ft.

RV. 2266: STAFFORDVILLE, OCEAN COUNTY, N. J. On the west side of Route #4 at Staffordville in south end of Gasoline Platform in front of "Laura Tourist Inn"; 26.07 ft. west of west edge of Highway and 15.95 ft. southwest of pole #6564 (Large Atlantic White Flash Sign visible from Highway). A standard monel metal rivet, set in concrete. Elevation: 40.015 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

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RV. 2267: EAGLESWOOD TWP., OCEAN COUNTY, N. J. In base of step at northeast corner in front of Spark Plug Inn, West Greek on Route #4. A standard monel metal rivet, set in concrete.

Elevation: 47.195 ft.

RV. 2268: EAGLESWOOD TWP., OCEAN COUNTY N. J. On the west side of Route #4, at West Creek; in gasoline stand on east side of center pump, "Lindy's Filling Station; 30.54 ft. west from edge of Highway.

Elevation: 24.762 ft.

MON. 2256: EAGLESWOOD TWP., OCEAN COUNTY, N. J. On the southeast side of State Highway Route #4, near the road to Stafford Forge, about 4,65 miles southwest of its intersection with State Highway Route #5-40 in Manshawin; 0.5 ft. below ground; 12.65 ft. southeast of the edge of the concrete pavement; 50.0 ft. southwest of a pole #AC-6496; and 17.30 ft. south of the south corner of highway slab #516. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 14.981 ft.

MON. 2257: WEST CREEK, EAGLESWOOD TWP., OCEAN COUNTY, N. J. On the northwest side of State Highway Route #4, about 190.0 ft. southwestof the center of West Creek Bridge and also about 4.90 miles southwest of its intersection with State Highway Route #8-40 in Manahawkin; 9.13 ft. northwest of the edge of the concrete pavement; 20.25 ft. north of the northwest corner of highway slab #547; and 29.20 ft. southwest of the southwest corner of highway. A standard U.S.C & G.S.& S.S. diek, set in concrete. Elevation: 7.508 ft.

W-7: WEST CREEK, OCEAN COUNTY, N. J. On the Tuckerton Railroad, about 30 ft. southwestof the station, and also
about 31½ ft. south of the center of the highway; 14.0
ft west of the west rail. A standard disk, stamped
"W-7-1930", and set in the top of a concrete post which
projects about 3 inches above the ground,
Elevation: 7.166 meters or 23.610 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County

1940

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RV. 2233: EAGLESWOOD TWP., OCEAN COUNTY, N. J. On the east side of Route #4, north end of culvert head-wall, about a mile south of Westeconk Greek; 25 ft. east of centerline of concrete paving. A standard monel metal rivet, set in concrete.

Elevation: 16.693 ft.

RV. 2269: LITTLE BRO HARBOR TWP., OCEAN COUNTY, N. J. On the east side of Route #4 at Parkertown, in south end of gasoline stand "Shell Co.", in front of Parkertown Garage; 26.16 ft. east of edge of Highway. A standard monel metal rivet set in concrete.

Elevation: 14.141 ft.

RV. 2270: LITTLE EGG HARBOR TWP., OCEAN COUNTY, N. J. On the west side of Route #4, 1.3 miles south of Parkertown Garage; 16.6 ft. west from edgeof Highway; 31.18 ft. north from pole #992. A standard monel metal rivet, set in concrete Elevation: 12.574 ft.

RV. 2271: LITTLE ENG HARBOR TWP, OCEAN COUNTY, W. J. On the east side of Route #4, in gasoline platform at "Cullens Bow-Wow Stand", about la miles north of Green St., Tuckerton; 22.13 ft. east of edge of Highway and 4.51 ft. north of "Esso" sign. A standard monel metal rivet, set in concrete.

Elevation: 25.729 ft.

MON. 5249
RM#2CULLEN: LITTLE EGG MERBOR TWP., OCEAN COUNTY, N. J. On the north west side of State Highway Route #4, opposite highway slab #781, about 1.2 miles mortheast of Green St. in Tuckerton, 0.4 ft. above ground; 24.65 ft. northwest of the edge of the pavement; 23.13 ft. northwest of a pole #979; and 69.42 ft. northwest of a pole #AGE-6270.

A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 20.547 ft.

TIE TO N.J.G.S.BENCH MARK:
N.J.G.S.30; MARETOWN, SCEAN COUNTY, N. J. On center of southwest
side of large granite (Falkinsburg) monument, on top
of small, flat projection of the top base-stone directly under the polished inscription-face, upon the
bottom of which is cut, "Died May 10, 1855". The
monument is in the Waretown cemetery, east of main
shore road.

Elevation: 20.720 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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ELIMINATIONS OF SPUR ELEVATIONS: RV. 5241: BERKELEY TWP., OCEAN COUNTY, N. J. At southeast corner of Route #4 and road leading east slong north side of Cedar Creek, 2 ft. inside of concrete curb, set in a

monument. A standard monel metal rivet, set in concrete. Elevation: 18,359 ft.

MK. 5242: LANCKA HARBOR, OCEAN COUNTY, N. J. On Route #4, circle cut in southwest bridge sest of concrete Highway Bridge

over Gedar-Creek, 18 ft. west of centerline of Highway. (Aug. 1935). A circular cut. (U.S.G.S.).

Elevation: 6.754 ft.

MK. 5243: LANOKA HARBOR, OCEAN COUNTY N. J. On Route #4, bronze

U.S.G.S. disk, gauging Station, south side of Cedar Creek on retaining wall st south end of stream gauging weir; 31.25 ft. west of centerline of Highway. A standard U.S.G.S. disk.

Elevation: 3.980 ft.

RV. 2257: BARNEGAT, OCEAN COUNTY, N. J. On east side of Route #4 in north end of concrete base of gas pumps at Kormans

filling station at corner of Cedar Street, Barnegat;

16.35 ft. east of east edge of concrete highway. A standard monel metal rivet, set in concrete.
Elevation: 36.607 1%.

STAFFORD TWP., OCEAN COUNTY, N. J. About 1.5 miles north of Manahawkin and about 0.45 mile west of State MCKINLAY:

Highway Route #4, on the Beach View Farm owned by Walter McKinlay; 158.1 ft. west of the sand road; 15.1 ft. south of the woven wire fence and 269.0 ft. north-west of twin silos; referred to reference mark #1 which is 97.57 ft. east of the station at the southeast corner of the Wire fence; 62.0 ft, west of the afore-

mentioned sand road and 195.5 ft. northwest of twin silos; and to R.M.#J which is 130.1 ft. northwest of the station, about 72 ft. north of the south fence of the field and 1.97 ft. east of the fence to the Apple

Orchard both reference marks being standard U.S.C.& G.S.

reference mark disks, set in concrete. A standard U.S. C. & G.B. triangulation station disk, set in concrete. Elevation: 98.692 ft.

END OF SPUR ELIMINATIONS

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County 1941

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TIE TO N.J.G.S. BENCH MARK IN BARNEGAT:

N.J.G.S. 35.76:

BARNEGAT, OCEAN COUNTY, N.J. A cross out in east end of lowest flagstone step on south side of the basement front door of Presbyterian Church on east side of Main Street about C.l mile east of Bay Avenue.

Elevation: 35.806 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

OCEAN COUNTY

1939

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STARTING IN SURF CITY, OCEAN COUNTY, AT THE CITY WATER TANK AND RUNNING THENCE TO LONG BEACH BOULEVARD AND NORTH NINTH ST., SAM SAME LOCALITY, THENCE SOUTHWEST ALONG LONG BEACH BOULEVARD THROUGH BORD OF SHIP BOTTOM-BEACH ARLINGTON, BRANT BEACH, BEACH HAVEN CREST, BEACH HAVEN PARK, BEACH HAVEN TERRACE AND SPRAY BEACH TO THE BONDS COAST GUARD STATION, ABOUT 1.7 MILES SOUTH OF BEACH HAVEN, STILL IN OCEAN COUNTY, N.J.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

- P 7: SURF CITY, OCEAN COUNTY. On the northwest corner of the northwest concrete footing, at the Surf City water tank. A standard disk, stamped "P 7 1930". A standard disk, stamped #P 7 1930". Elevation: 2.047 meters or 6.716 ft.
- MON. 5291 -SURF CITY, OCEAN COUNTY. On the southeast corner of intersection of Long Beach Blvd. and north 9th St., about 0.9 miles north of Long Beach Causeway; 15.0 ft. east of center line of Long Beach Blvd; 41.95 ft. north of pole #P-5399; 16.91 ft. west of fire plug; and 19.84 ft. northwest of northwest corner of garage. A standard N.J.G.C. S. disk, set in concrete, flush with the ground. Elevation: 6.265 ft.
- -SURF CITY, OCEAN COUNTY. On east side of Long Beach Blvd; 0.6 miles south of Long Beach Causeway (from RV. 5257 On east side of Long Beach Manahawkin). A standard monel metal rivet set in curb at angle, midway between south 4th St. and So. 3rd St. Elevation: 5,150 ft.
- MON. 5292 -BORO OF SHIP BOTTOM-BEACH ARLINGTON, OCEAN COUNTY. the southwest corner of intersection of Long Beach Blvd. and S. 9th St., about 0.2 mile north of Long Beach Causeway; 3.20 ft. south of pole #12; 3.80 ft. west of west curb of Long Beach Blvd.; 6.40 ft. east of east surb of sidewalk. A standard N.J.G.C.S. disk, set in concrete flush with the sidewalk between it and curb. Blevation: 4.757 ft.
- SHIP BOTTOM BEACH, OCEAN COUNTY. On the northeast corner of the junction of the Beach and Manahawkin reads, about E 7: On the northeast corner 0.5 mile north, between the curb and the sidewalk; 23.7 ft. north of the edge of the curb of a blind street; 7.2 east of the west edge of the sidewalk and 3.2 ft.
 east of the east ourb of the Beach road. A standard disk
 stamped "R 7 1930", and set in the top of a concrete post
 which is flush with the ground.
 Elevation: 1.668 meters or 5.472 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

OCRAN COUNTY 1959

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- MON. 5295 -BORO OF SHIP BOTTOM, BEACH ARLIMOTOM, OCEAN COUNTY. On the east side of Long Beach Blvd., just north of blind street opposite Long Beach Causeway to Manahawkin; 1.23 ft. north of north curb of blind street; 1.28 ft. east of east edge of sidewalk; 47.70 ft. southeast of east corner of joint 138 in highway. A standard N.J.G.C.S. disk, set in concrete, flush with sidewalk.

 Elevation: 5.295 ft.
- RV. 5258 -BORO OF SHIP BOTTON, BEACH ARLINGTON, OCRAN COUNTY. On east side of Blvd.; 0.25 miles south of the Causeway.
 A standard monel metal rivet set in north curb at northeast corner 13th St. & Blvd. west of sidewalk.

 Elevation: 5.444 ft.
- RV. 5259 -BORO OF SHIP BOTTOM, BEACH ARLINGTON, OCRAN COUNTY. On east side of Blvd. O.5 miles south of Causeway. A standard monel metal rivet set in east curb of Blvd., midway between concrete HW Joints 210 and 211 and just north of where curb returns east to form the Plass about 100 ft. north of 18th St.

 Elevation: 5.745 ft.
- G-7 -SHIP BOTTOM, BEACH ARLINGTON, OCEAN COUNTY. In the northeast corner of the concrete base of Semaphere No. 10710, west of the railroad station. A standard disk, stamped "G 7 1930", and set horizontally. Elevation: 1.511 meters or 4.501 ft.
- F-7 -SHIP BOTTON, BEACH ARLINGTON, OCRAN COUNTY. Across the road from Conrad Brothers Lumber Co., 49.2 ft. west of the edge of the concrete highway; 77.2 ft. south of the railroad station, and 19.2 ft. east of the east rail. A standard disk, stamped *F 7 1930*, and set in the top of a concrete post which is flush with the ground.

 Elevation: 1.120 meters or 3.675 ft.
- MON. 5294 -BORO OF SHIP BOTTOM, BEACH ARLINGTON, OCHAN COUNTY. On the southwest corner of intersection of 24th St. and Long Beach Blvd., about 50 ft. southeast of RR Station and about 200 ft. south of center line of Conrad's Hardware Store; 14.93 ft. west of west edge of highway paving. A standard N.J.G.C.S. disk, set in concrete, level with paving.

 Elevation: 3.511 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

OCEAN COUNTY

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- MON. 5295 -BRANT BEACH, OCEAN COUNTY. On the west side of Long
 Beach Blvd. opposite junction of 34th St; 3.5 ft. east of
 stone pillar marking north boundary line of Brant Beach;
 25.9 ft. southwest of west end of joint #48; 15.97 ft.
 north of west end of joint #47; 11.44 ft. west of west
 edge of concrete paving of highway. A standard N.J.G.C.
 S. disk, set in concrete, level with pavement.
 Elevation: 4.165 ft.
- RV. 5260 -BRANT BEACH, OCEAN COUNTY. On east curb of Long Beach Blvd; 1.45 miles south of Causeway at northeast corner 38th Street opposite concrete HW Joint #87A. A standard monel metal rivet, set in concrete.

 Elevation: 4.654 ft.
- RV. 5261 -BRANT BEACH, OCEAN COUNTY. On the east side of Long Beach Blvd., at the southeast corner of the Blvd., and 45th St; 1.70 miles south of Causeway. A standard monel metal rivet set in concrete, in curb at 45th St; 43.76 ft. southeast of a fire plug.

 Elevation: 4.580 ft.
- MON. 5296 -BRANT BEACH, OCEAN COUNTY. On the southeast corner of intersection of Long Beach Blvd. and 52nd St.; about 2.0 miles south of Causeway to Manahawkin; 27.15 ft. east of center line of highway; 33.47 ft. northeast of east end of joint 240-B; 30.95 ft. southeast of east end of joint 239-B. A standard N.J.G.C.S. disk, set in concrete, level with the sidewalk.

 Elevation: 3.757 ft.
- MON. 5297 -BRANT BEACH, OCEAN COUNTY. On the east side of Long Beach Blvd. at the northeast corner of the offset in highway between 59th St. and 60th St; about 2.35 miles south of Causeway to Manahawkin; set between curb and sidewalk; 96.0 ft. south of the south curb of 59th St.; 15.26 ft. east of pole 7-337; 36.50 ft. east of east end of joint 290-B; 47.40 ft. southeast of east end of joint 299-B. A standard N.J.G.C.S. disk, set in concrete, level with sidewalk.

 Elevation: 5.590 ft.
- T.B.M. 76 -BRANT BEACH, OCEAN COUNTY. At the Brant Beach water tower in the east face of the southeast concrete footing.

 A lag screw cemented in a horizontal drill hole in the nearly vertical face of the concrete footing.

 Elevation: 1.930 meters or 6.332 ft.

GEODETIC CONTROL SURVEY

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OCEAN COUNTY

DESCRIPTION OF BENCH MARKS

RV. 5262 BRANT BEACH, OCEAN COUNTY. On the east side of Long Beach Blvd., at the southeast corner of the Blvd. and Sigsbee Ave. The point is a punch hole in C.I. rim of a catch basin in the northwest corner; 2.65 miles south of the Causeway and 50.48 ft. southwest of a fire plug at Sigsbee Ave. A standard monel metal rivet, set in concrete.

Elevation: 4.566 ft.

- MON. 5298 -BEACH HAVEN CHEST, OCEAN COUNTY. On the west side of Long Beach Blvd., opposite Ship Bottom Cold Storage Plant, near Fishery; about 3.05 miles south of Long Beach Causeway; 114.20 ft. northwest of the southwest corner and 122.55 ft. west of the northwest corner of the storage plant; 15.17 ft. west of the west edge of highway pavement. A standard N.J.G.C.S. disk, set in concrete, 0.6 ft. above present ground surface.

 Elevation: 2.491 ft.
- MON. 5299 -BEACH HAVEN CHEST, OCEAN COUNTY. On the east side of Long Beach Blvd., about 3.35 miles south of Long Beach Causeway; 29.70 ft. north of pole #F-7491; 59.70 ft. south of east end of joint 441-B; 64.0 ft. northwest of southwest end of white bungalow on east side of road. A standard N.J.G.C.S. disk, set in concrete, 0.25 ft. above present ground surface.

 Elevation: 3.778 ft.
- J 7 -PEAHAIA, OCEAN COUNTY. 61.1 ft. south of the railroad station; 18.6 ft. east of the east rail of the Pennsylvania Railroad, and 38.8 ft. west of the west edge of the highway. A standard disk, stamped "J 7 1930", and set in the top of a concrete post which is flush with the ground.

 Elevation: 1.262 meters or 4.140 ft.
- MON. 8200 -BEACH HAVEN CREST, OCEAN COUNTY. On the west side of Long Beach Blvd., about 3.70 miles south of Long Beach Causeway; 34.20 ft. northeast of pole 332; 48.10 ft., north of west end of joint #4; 15.22 ft. west of west edge of highway paving; 47.65 ft. acuthwest of west end of joint #2. A standard N.J.G.C.S. disk, set in concrete level with the highway paving.

 Elevation: 4.898 ft.

GRODETIC CONTROL SURVEY

DESCRIPTION OF BRNCH MARKS

OCEAN COUNTY 1989

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- RV. 5265 -BEACH HAVEN PARK, OCEAN COUNTY. On the east side of Long Beach Blvd., 4.05 miles south of the Causeway; in southwest corner of a catch basin at the northeast corner of Blvd. and Alabama Ave; 158,08 ft. southwest of a fire plug at Muriel Ave. and Blvd. A standard monel metal rivet, set in concrete.

 Elevation: 4.524 ft.
- RV. 5264 "BEACH HAVEN PARK, OCEAN COUNTY. On the east side of Long Beach Blvd.; 4.45 miles south of Causeway in southwest corner of a eatch basin opposite Joint #335 of the concrete highway; 56.49 ft. southwest of Pole #7554 ACE system. A standard monel metal rivet, set in concrete. Elevation: 4.463 ft.
- MON. 8201 -BEACH HAVEN TERRACE, OCEAN COUNTY. On the west side of Long Beach Blvd., about 4.8 miles south of Long Beach Causeway, just north of Beach Haven Crest Fishery; 52.91 ft. east of east rail of RR; 14.55 ft. west of west edge of highway paving; 47.0 ft. southwest of west end of joint 125; and 110.14 ft. northeast of northwest corner of Fishery. A standard N.J.G.C.S. disk, set in concrete, level with highway.

 Elevation: 4.587 ft.
- MON. 8202 -BEACH HAVEN TERRACE, OCEAN COUNTY. On the west side of Long Beach Blwd., about 5.1 miles south of Long Beach Causeway over Barnegat Bay; 31.75 ft. northwest of west end of joint 161; 15.02 ft. west of west edge of concrete paving of highway; 29.92 ft. southwest of west end of Joint 160; 54.40 ft. east of east rail of RR. A standard N.J.G.C.S. disk, set in concrete, level with road.
- K 7 -BEACH HAVEN TERRACE, OCEAN COUNTY. On the east side of the concrete base, at the Long Beach standpipe. A standard disk, stamped "K 7 1930" and set horizontally. Elevation: 1.995 meters or 8.545 ft.
- RV. 5265 -BEACH HAVEN TERRACE, OCEAN COUNTY. On the east side of Long Beach Blvd., at the northeast corner of 34th St. and the Blvd.; 5.45 miles south of the Causeway; in north curb of return of 34th St. curb and 100 south of a Pure Oil Gas station. A standard monel metal rivet set in concrete.

 Elevation: 4.108 ft.

Elevation: 4.340 ft.

OCEAN COUNTY 1939

GEODETIC CONTROL SURVEY

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DESCRIPTION OF BENCH MARKS

- MON. 8203 -SPRAY BEACH, OCEAN COUNTY. On the east side of Long Beach Blvd., about 5.8 miles south of Long Beach Causeway, and just north of 26th St.; 81.38 ft. north of north curb of 26th St.; 42.38 ft. northeast of east end of joint 488; 29.28 ft. southeast of east end of joint 487. A standard N.J.G.C.S. disk, set in concrete, level with the sidewalk.
 - Elevation: 4.146 ft.
- MON. 8204 -SPRAY BEACH, OCEAN COUNTY. On the northeast corner of intersection of 20th St. and Long Beach Blvd., about 6.1 mile south of Long Beach Causeway; 17.08 ft. east of center line of road; 5.40 ft. north of north curb of 20th St., 44.45 ft. northeast of pole 7920. A standard N.J.G.C.S. disk, set in concrete, level with sidewalk. Elevation: 4.554 ft.
- -BEACH HAVEN, OCEAN COUNTY. On the east side of Long Beach Blvd., at northeast corner of the Blvd. (Bay Ave.) RV. 5266 and 13th St., 6.50 miles south of the Causeway. A standard monel metal rivet set in concrete in north curb of 13th St. in line with west edge of sidewalk. Elevation: 4.337 ft.
- -BEACH HAVEN, OCEAN COUNTY. On the west side of Bay Ave. (Long Beach Blvd.) at 7th St., and 6.80 miles south of RV. 5267 Causeway. A standard monel metal rivet set in concrete in west curb of Bay Ave., about 5.5 ft. north of north curb of 7th St. Elevation: 3.489 ft.
- -BEACH HAVEN, OCEAN COUNTY. On the southwest corner of a brick school building in the north part of the town. A standard disk stamped "L 7 1950" and set vertically in L 7 the wall. Elevation: 2.536 meters or 8.320 ft.
- MON. 8205 -BEACH HAVEN, OCHAN COUNTY. On the northwest corner of Atlantic Ave., and 7th St., about 6.95 miles south of Long Beach Causeway; 9.95 ft. southwest of hydrant; 26.55 ft. northwest of manhele; 3.10 ft. north of north curb of 7th St. A standard N.J.G.C.S. disk, set in cencrete, level with the sidewalk. Blevation: 8.988 ft.

GEODETIC CONTROL SURVEY

OCEAN COUNTY 1939

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DESCRIPTION OF BENCH MARKS

R.M. #2 "Beach Haven" -BEACH HAVEN, OCEAN COUNTY. At the east end of the street leading from the station, about 0.25 mile east of the station; 3 meters east of curbing; at intersection of Atlantic and Engleside Ave. A standard disk reference mark, set in concrete. Elevation: 10.360 ft.

BEACH HAVEN-BEACH HAVEN, OCEAN COUNTY, N.J. On town property west of the water tank in line with the main track of the railroad north of said tank about 50 yards northwest of the water tank and also about 50 yards north of the pump house; the station is referred to R.M. #1 which is 244,13 ft, north of the station and set in drill hole in the concrete loading platform in a fish peck-ing plant; to R.M. #2 which is at the east end of the street leading from the station about 0.25 mile east of the station; 9.8 ft. east of the curbing at the intersection of Atlantic and Engleside Avenues and to R.M. #3 which is 146.9 ft. southeast of the station in a concrete base, said reference marks being standard U.S.C.&G.S. reference mark disks. A standard U.S.C.&G.S. triangulation station disk, set in concrete. Elevation: 4.851 ft.

M 7

-BEACH HAVEN, OCEAN COUNTY. On the northwest corner of the northwest footing for the Beach Haven water tank, near the center of the tem. A standard disk, stamped "M 7, 1930" and set horizontally.

Elevation: 2.009 meters or 6.591 ft.

N 7

-BEACH HAVEN, OCEAN COUNTY. On the northeast corner of the Beach Haven National Bank and Trust Co. building. A standard disk, stamped "N 7 1930" and set vertically in the brick wall. Ble vation: 1.842 meters or 6.045 ft.

-BEACH HAVEN, OCEAN COUNTY. On the north side of Berkley St. at Bay Ave; 0.35 miles south of Engleside Ave; 16.35 ft. southwest of Pole AB-20-16. A standard monel metal rivet set in concrete apron of a catch basin in the southeast corner. Elevation: 3.859 ft.

RV. 5269

RV. 5268

-BEACH HAVEN, OCEAN COUNTY. On the east side of Bay Ave. at the southeast corner of Bay Ave. and Dolphin St.; 60.18 ft. southwest of a fire plug at Dolphin St. and Bay Ave. A standard monel metal rivet set in concrete apron of a catch basin and is 0.55 miles south of Engleside Ave.

Elevation: 3.985 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF PENCH MARKS

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MON. 8207: BEACH HAVEN, OCEAN COUNTY, N. J. On the west side of Bay Ave., near Pelham St., 144. ft. north of the centerline of Pelham St.; 24.30 ft. west of the centerline of Bay Ave.; 7.74 ft. senth of pole #1171;280.10 ft. southeast of the southeast corner of a bungalow on the west side of Ray Ave A standard N.J.G.C.S. disk, set in concrete, level with the sidewalk.

DESTROYED

Elevation: 4.660 ft.

R.M.#2"ST.JAMES"; OCEAN COUNTY, N. J. O.15 mile north of the read to the station, east of Bay Ave., in the line of telegraph poles to the north and north of the pole at the turn of the line of the poles. A standard disk, reference mark, set in concrete.

Elevation: 7.114 ft.

MON. 8208: BEACH HAVEN, OCEAN COUNTY, N. J. On the west side of Long Beach Blvd., about 1.6 miles south of Engleside Ave.; 24.6 ft. west of the centerline of the Bivd.; 44.15 ft. north of pole #ACE-11196; 39.80 ft. west of pole #CG-558. A standard N.J.G.C.S. disk, set in concrete.level with rd. Elevation: 4.901 ft.

TIDAL 2: BEACH HAVEN, OCEAN COUNTY, N. J. About 1.7 miles south, at the Bonds Coast Guard Station, on top of the southwest corner of a square concrete water basin at the artesian well, about 25 ft. south of the Coast Guard Station. No mark was made on the concrete but the level rod was held on the cerner about 2 inches from both edges.

Elevation: 2.235 meters or 7.335 ft.

ELIMINATION OF SPUR ELEVATION:
MON. 8208: BEACH HAVES, OCEAN COUNTY, N. J. On the southeast corner
of the intersection of Atlantic Ave. and Berkeley Ave.,
5 inches below the sidewalk; 7.05 ft. south of the south
eurb of Berkeley Ave.; 8.20 ft. east of the east curb of
Atlantic Ave.; 67.50 ft. southeast of the southeast corner of concrete block wall on the northwest corner of
the intersection. A standard W.J.G.C.S. disk, set in
concrete.

Blevation: 6.801 ft.

END OF SPUR ELIMINATION

SHE JERREY

Scean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF SENCE MARKS

OCE-J, page 1

STARTING IR MANARAWIN, CCRM COUNTY, AT THE INTERSECTION OF STATE HIGHWAY ROUTES 4 AND 8-40 AND COUNTY ROUTE 16, AND RUNNING THEMCE NORTHWESTERLY ALONG STATE HIGHWAY ROUTE 8-40 TRROUGH STAFFORD TOWN-BRIP TO COUNTY ROUTE NO. 2 (BAY AVE.) TO THE CENTRAL RAILROAD OF NEW JERSEY CROSSING, BARNEGAT, BAME TOWNSHIP, STILL IN CEAR COUNTY.

STANDARD ELEVATIONS IN PERT ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

- B-7: MANARAWKIE, OCEAN COUNTY, N. J. About 100 ft. west of the four corners on Route No. 8-40, on the north end of the east abutment of the first highway bridge west of the town. A standard disk, stamped *B-7-1930*, and set horizontally. Elevation: 7.656 meters or 25.118 ft.
- MON. 5609: STAFFORD TWP., OCEAN GOUNTY N. J. on the southwest side of Route #8-40, about 0.3 mile northwest of Route #4, at Manahawkin; 1.0 ft. below gravel shoulder; 36.66 ft. north west of a drill hole at edge of concrete paving joint 15-A; 12.09 ft. southwest of a drill hole at edge of joint 16-A; and 36.75 ft. south of a drill hole at joint 17-A. A standard N.J.G.C.S. disk, set in concrete. Elevation: 31.747 ft.
- MON. 5610: STAFFORD TWP., OCEAN COUNTY M. J. On the southwest side of Route #8-40, about 0.55 mile northwest of Route #4 at Manahawkin; 0.5 ft. below gravel shoulder; 37.21 ft. northwest of a cross cut at edge of paving joint 65-A; 13.97 ft. southwest of cross cut at edge of joint 66-A; and 36.64 ft. south of cross out at edge of joint 67-A. A standard N.J.G.C.B. disk, set in concrete. Elevation: 47.785 ft.
- MON, 5611: STAFFORD TWP., OCEAN COUNTY, N. J. On the southwest side of Route #8-40, about 0.92 mile northwest of Route #4 at Manahawkin; 0.5 ft. below gravel shoulder; 39.09 ft. northwest of a cross cut in edge of paving joint 119-A; 18.44 ft. southwest of a cross cut in edge of joint 120-A; and 36.57 ft. south of a cross cut in edge of joint 121-A. A standard N.J.G.C.S. disk, set in concrete. Elevation: 39.565 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 5612: STAFFORD TWP., OCEAN COUNTY, N. J. On the southwest eide of Route #S-40, about 1.25 miles northwest of Route #4 at Manahawkin; 0.5 ft. below gravel shoulder; 37.54 ft. northwest of a cross cut in edge of paving joint 167-8; 16.75 ft. southwest of a cross cut in edge of joint 168-A; and 37.90 ft. south of a cross cut in edge of joint 169-A, A standard N.J.G.C.S. disk, set in concrete.

Elevation: 35.234 ft.

- MON. 5613: STAFFORD TWP., OCEAN COUNTY, N. J. On the southwest side of Route #9-40, about 1.55 miles northwest of Route #4 at Manahawkin, near the south end of a guard rail; 0.5 ft. below gravel shoulder; 19.80 ft. northwest of a cross cut in edge of paving joint 209-A; 12.04 ft. southwest of a cross cut on southwest side of the concrete; and 24.60 ft. south of a cross cut in edge of paving joint 210-A. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 39.502 ft.
- MON. 5614: STAFFORD TWP., OCEAN COUNTY, N. J. On the northeast side of Route #8-40, at the east corner of concrete bridge over Mill Creek, and about 1.85 miles northweat of Route #4 at Manahawkin; 0.5 ft. below the ground; 22.20 ft. north of a cross cut in edge of paring joint 250; 11.53 ft. northeast of a cross cut in concrete slab next to bridge; and 8.87 ft. southeast of a cross cut in iron curb in east corner of bridge. A standard M.J.G.C.S. disk, set in concrete.

 Elevation: 37.141 ft.
- MON. 5615: STAFFORD TWP., SCEAN COUNTY, N. J. on the northeast side of Route #S-40, about 2.2 miles northwest of Route #4 at Manshawkin, opposite a 10 inch Pine Tree; 0.5 ft, below gravel shoulder; 36.85 ft, north of a cross out in edge of paying joint 300; 15.61 ft, northeast of a cross out in edge of joint 301; and 38.50 ft, southeast of a cross out in edge of joint 302. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 45.679 ft.

NEW JERSEY GEOLOGICAL SURVEY

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MON. 5616: STAFFORD TWP., OCEAN COUNTY N. J. On the southwest aids of Route #8-40, about 2.65 miles northwest of Route #4 at Manshawkin; 0.5 ft. below gravel shoulder; 35.25 ft. northwest of a cross cut in edge of paving joint 365-A; 15.77 ft. southwest of cross cut in edge of joint 366-A; and 39.75 ft. south of cross cut in edge of joint 367-A. A standard N.J.G.C.B. disk, set in concrete.

Devation: 57.769 ft.

- Men. 5617: STAFFERD TWP., CCEAR COUNTY, M. J. On the northeast side of Route #8=40, opposite a guard rail, about 3.00 miles northwest of Route #4 at Manshawkin; 0.5 ft. below gravel shoulder; 37.42 ft. north of a cross cut in edge of paving joint 408; 13.42 ft. northeast of a cross cut in edge of joint 409; and 36.10 ft. southeast of a cross cut in edge of joint 410. A standard N.J.G.C.B. disk, set in concrete.

 Elevation: 65.397 ft.
- MBN. 5615: STAFFORD TWP., SCEAN COURTY, N. J. On the southwest side of Route #8-40, about 3.45 miles northwest of Route 4 at Manshawkin; 0.5 ft. below gravel shoulder; 35.52 ft. northwest of a cross out in edge of paving joint 478-A; 12.47 ft. southwest of cross out in edge of joint 479-A; and 36.55 ft. south of cross out in edge of joint 460-A. A standard N.J.G.C.S. disk, set in concrete. Elevation; 35.564 ft.
- MeN. 5619: STAFFORD TWP., GCEAN COUNTY. N. J. on the southwest side of Route #3-40, opposite a guard rail, about 3.90 miles northwest of Route 4 at Manahawkin; 0.5 ft. below gravel shoulder; 33.64 ft. northwest of a cross cut at paving joint 539-A; 12.28 ft. southwest of a cross cut at joint 540-A; and 39.25 ft. seuth of a cross cut at joint 541-A. A standard N.J.G.C.S. disk, set in concrete. Elevation: 53.543 ft.

Desan County

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MON. 5620: STAFFORD TWP., OCEAN COUNTY, M. J. On the northeast side of Route #8-40, about 4.35 miles northwest of Route #4 at Manahawkin; 0.5 ft. below gravel shoulder; 36.85 ft. north of a cross out in the edge of paving joint 604; 12.88 ft. northeast of cross out in edge of joint 605; and 36.37 ft. southeast of a cross cut in edge of joint 606. A standard N.J.G.C.B. disk, set in concrete.

Elevation: 90.921 ft.

MON. 5621: UNION TWP., OCEAN COUNTY, M. J. On the southwest side of houte #S-40, about 4.5 miles northwest of Route #4 at Manahawkin; 2 inches above ground; 21.52 ft. northwest of a cross out at the edge of paving joint 671-A; 17.70 ft. southwest of a cross cut on edge of concrete paving midway between joints 671-A and 672-A; and 25.56 ft. south of a cross cut in edge of joint 672-A. A standard N.J.O.C.S. disk, set in concrete.

Elevation: 135.154 ft.

MON. 5635: UNION TWP., OCEAN COUNTY, N. J. On the southwest side of Route #8-40, about 5.1 miles northwest of Route #4 at Manshawkin; 2 inches above ground; 25.25 ft. northwest of a cross cut in edge of paving joint 713-A; 18.02 ft. southwest of a cross cut in edge of concrete midway between jointe 713-A and 714-A; and 23.67 ft. south of a cross cut in edge of joint 714-A. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 127.972 ft.

MON. 5622: UNION TWP., OCEAN COUNTY, N. J. On the northeast side of Route #9-40, about 5.5 miles northwest of Route #4 at Manahawkin; 2 inches above ground; 39.20 ft. north of a cross cut at joint 763; 19.40 ft. northeast of a cross cut at joint 764; and 39.77 ft. southeast of a oress cut at joint 765. A standard N.J.C.C.S. disk, set in concrete.

Elevation: 122.579 ft.

New JERSEY

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MON, 5623: UNION TWP., OCEAN COUNTY, N. J. On the northeast side of Route #8-40, about 5.5 miles northwest of Route #4 at Manahawkin; just northwest of a sand road to the northeast; 3 inches above ground; 24.60 ft. north of a cross cut at paving joint 809; 15.97 ft. northeast of cross cut on edge of concrete midway between joints 809 and 810; and 25.87 ft. east of a cross cut at joint 810. A standard N.J.G.C.3, disk, set in concrete.

MON. 5624: UNION TWP., OCEAN COUNTY, N. J. On the southwest side of Route #8-40, about 6.2 miles northwest of Route #4 at Manahawkin; 0.5 ft. below ground; 36.35 ft. northwest of a cross cut at edge of paving joint 865-A; 12.35 ft. southwest of a cross cut at joint 866-A; and 36.27 ft. south of a cross cut at edge of joint 867-A. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 137.802 ft.

MON. 5625: UNION TWP., OCEAN COUNTY, N. J. On the northeast side of Routs #S-40, about 6.6 miles northwest of Route #4 at Manshawkin; 2 inches above ground; 42.77 ft. northeast of a cross cut at edge of paring joint 929; 26.65 ft. northeast of a cross cut at edge of joint 930; and 44.25 ft. southeast of a cross cut at joint 931. A standard N.J.G.C.S. disk, set in concrete.

MON. 5626: UNION TWP., OCEAN COUNTY N. J. On the northeast side of Route #8-40, about 7.0 miles northwest of Route 4 at Manahawkin; 0.5 ft. below ground; 36.55 ft. north of a cross cut in edge of paving joint 954; 13.54 ft. northeast of a cross cut in edge of joint 955; and 35.04 ft. southeast of a cross cut in edge of joint 956. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 142.735 ft.

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GEODETIC CONTROL SURVEY

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RIDGEWAY:

UNION TWP., OCEAN COUNTY, N. J. On the southwest side of Route #8-40, about 7.2 miles northwest of Route #4 at Manahawkin, and at the junction of County Road 2 from Barnegat; one foot above ground; 47.40 ft. west of a spike at paving joint 1015-A; 39.54 ft. southwest of edge of paving; and 45.60 ft. south of a spike in paving joint 1016-A. A standard U.S.C.& G.S.R.M. disk, set in concrete Elevation; 145.302 ft.

MON. SSEA:

UNION TWP., OCEAN COUNTY, W. J. On the northeast side of Bay Avenue (County Route #2), near the entrance to a gravel pit, about 5.85 miles northwest of State Highway Route #4 in Barnegat: 18.0 ft. northeast of the centerline of the road; and 38.0 ft. northeast of a 10 inch A standard U.S.C.& G.S.& S.S. disk, set Telephone Pole. DESTROYED in concrete, mevation: 144.315 ft.

R.M.2 RIDGEWAY:

UNION TWP., OCEAN COUNTY, N. J. On the north side of State Highway Route #8-40, 35.1 ft. north of the center-line and 145.47 ft. south of triangulation station "RIDGEWAY". A standard U.S.C.A G.S. R.M. disk, set in concrete.
Elevation: 161.609 ft.

MON. 2255:

UNION TWP., OCEAN COUNTY, M. J. On the southwest side of Bay Ave. (Co. Route #2), near some blazed trees, about 4.18 miles northwest of State Highway Route #4 in Barnegat; 15.2 ft. southwest of the centerline of the road; 10.0 ft. southeast of and 10.0 ft. southwest of two spikes both near the south side of the pavement of Bay Ave. (Co. Route #2). A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 126.134 ft.

MON. 2286:

UNION TWP., OCEAN COUNTY, N. J. On the north side of Bay Ave. (Co. Route #2), about 3.63 miles northwest of State Highway Route #4 in Barnegat; 17.9 ft. northeast of a spike in the centerline; 12.0 ft. northeast of sad 12.0 ft. northwest of two spikes both near the north edge of the pavement of Bay Ave. (Co. Route #2). A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 113.555 ft.

HEW JENNEY

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MON. 2757: UNION TWP., OCEAN COUNTY, N. J. On the northeast side of Bay Ave. (Go. Route #2), about 2.05 miles northwest of State Highway Route #4 in Barnegat; at the top of a grade; 17.9 ft. northeast of the centerline of Bay Ave. (Co. Route #2); 16.0 ft. northeast of; 16.0 ft. northwest of two spikes both near the north edge of the pavement of Bay Ave. (Co. Route #2). A standard U.S.C. & G.S.& S.S. disk, set in concrete.

Elevation: 106.467 ft.

MON. 2255: UNION TWP., OCEAN COUNTY, N. J. On the southwest side of Bay Ave.(Co. Route #2), about 1.65 miles northwest of State Highway Route #4 in Barnegat; at the top of a hill, about 150 ft. northwest of a Fire Warden Bign; 15.6 ft. southwestof the centerline of Bay Ave.(Co.Route #2); 10.0 ft. southwest; 10.0 ft. southwest of two spikes both near the southwest edge of the pavement of Bay Ave. (Co. Route #2). A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 129,225 ft.

MON. 2289: BARNEDAT, UNION TWP., OCEAR COUNTY, M. J. On the south side of Bay Ava. (Co. Route #2), about 0.35 mile west of its intersection of State Highway Route #4; 14.9 ft. south of the centerline of Bay Ave. (Co. Route #2); 79.21 ft. southwest of the southwest corner of a frame dwelling; 55.08 ft. southeast of the southeast corner of a corrugated iron garsge; 16.5 ft. west of a tack in pole #40018U; 17.95 ft. southeast of and 17.45 ft. southwest of two spikes both near the south edge of the pavement of Bay Ava. (Co. Route #2). A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 66.530 ft.

X-6: BARNEGAT, OCEAN COUNTY, N. J. On the west face of and near the southwest corner of the First National Bank on South Bay Street. A standard disk, stamped "X-6-1930", and set vertically about 2½ ft. above the sidewalk, Elevation: 13.136 meters or 43.097 ft.

Y-6: BARNEGAT, OCEAN COUNTY N. J. At the north edge of the town, east of the tracks of the Central Railroad of New Jersey, on the west side of the circular concrete wall of a turntable. A standard disk, stamped "Y-6-1930", and set horizontally in the top of a wall.

Elevation: 12.798 meters or 41.988 ft.

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LOOP FROM R.M.#2 RIDGEWAY TO RIDGEWAY:

(RIDGEWAY) UNION TWF., OCEAN COUNTY H. J. On the north side of

R.M.#1 State Highway Route #3-40, 105.49 ft. southeast of

triangulation station "RIDGEWAY". A standard U.S.C.&

G.S.R.M. disk, set in concrete. Elevation: 161.235 ft.

RIDGEWAY:

UNION TWP., OCEAN COUNTY, N. J. On the north side of State Highway Route #8-40, about & mile northeast of the intersection of Route #8-40 and the macadam road the intersection of Noute #5-40 and the macadam read leading east to Barnegat; referred to R.M.#1 which is on the north side of State Highway Route #5-40, 105.49 ft, southeast of the station; and to R.M.#2 which is on the north side of State Highway Route #5-40; 35.1 ft, north of the centerline and 145.47 ft, south of the station; both reference marks being standard U.S.C. & G.S. reference mark disks set in concrete. A standard U.S.C.& G.S. triangulation station disk, set in concrete. Elevation: 161.144 ft.

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STARTING IN CASSVILLE, JACKSON TOWNSHIP, QCEAN COUNTY, AT THE INTERSECTION OF COUNTY ROUTES 5 AND 27, AND RUNNING THENCE WESTERLY ALONG COUNTY ROUTE 5, THROUGH ARCHERS CORNERS, SAME TOWNSHIP, TO THE ROAD LEADING NORTHEASTERLY TO HORNERSTOWN, NEW EGYPT, PLUMSTEAD TOWNSHIP, THENCE SOUTHWESTERLY TO MAIN STREET AND RAILROAD AVENUE, SAME LOCALITY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

MON. 5225: CASSVILLE, JACKSON TWP., OCEAN COUNTY, N. J. On the southeast corner of the Lakewood-New Egypt Road (Co. Route #5), at its intersection with the road to Toms River (Co. Route #27); 21.7 ft. east of the center-line of the road to Toms River (Co. Route #27); 19.2 ft. south of the centerline of the Lakewood-New Egypt Road; and 1.45 ft. northwest of a new pole, 3 inches below surface; A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 149.155 ft.

MON. 8233: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of the Cassville-New Egypt Road, and about 17 ft. north-west of the centerline of the road, 0.5 mile west of Cassville, flush with the ground; 65.47 ft. north of a 12 inch Red Cedar on the south side of road; 56.03 ft. northwest of a nail in a blazed 14 inch Pine on the south side of road; and 9.67 ft. east of a nail in a blazed 10 inch Pine. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 137.155 ft.

RV. 5223: JACKSON TWP., OCEAN COUNTY, N. J. On north side of County Highway Route #5, (Cassville to New Egypt), 0.65 miles west of cross roads at Cassville and about 375 ft. east of Mon. 8234, in east end of concrete base of "Atlantio" sign; 18.60 ft. north of canterline of Highway and 41.85 ft. southwest of southwest corner of Gas Station. A standard monel metal rivet, set in concrete. Elevation: 145.729 ft.

MEW JERSEY

Ocean County

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- MON. 8234: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Cassville-New Egypt Road, about 0.75 mile west of Cassville, and opposite the mail box of J. Astor, 3 inches below the ground; 18.0ft. south of the centerline of the road; 28.0 ft. northeast of a nail in a blazed 6 inch Bassafras Tree; 14.05 ft. west of a blazed 6 inch Pine Tree; and 39.05 ft. east of a 1 inch survey pipe on the north side of the road. A standard M.J.G.C.S. disk, ast in concrete.

 Elevation: 146.716 ft.
- MON. 5235: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of the New Egypt-Cassville Road, about 1.05 mile west of Cassville, 3 inches below the surface; 16.0 ft. north of the centerline of road; 10.75 ft. northeast of west spike in road; 24.54 ft. south of a nail in an 5 inch White Oak and 37.33 ft. southwest of a nail in a blazed 10 inch Triple Oak tree. A standard N.J.G.C.S. disk, set in concrete.
- MON. 5236: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Lakewood-New Egypt Road (Co.Route #5), near the Stump Tavern, about 1.8 miles west of the road to Lakehurst (Co. Route #27); 15.25 ft. south of the centerline of the road; 25.83 ft. north of a tack in a 36 inch blazed Oak tree; and about 200.0 ft. west of the prelonged centerline of a Gasoline Station. A standard U. S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 149.765 ft.

Elevation: 141.263 ft.

MON. 5237: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of the Lakewood-New Egypt Road (Co. Route #5), about 0.3 mile west of the Stump Tavern and about 2.1 miles west of the road to Lakehurst (Co. Route #27) in Cassville; 18.5 ft. north of the centerline of the road; 9.05 ft. south of a tack in a blazed 12 inch Pine tree. A standard U.S.C.& U.S.& S.S. disk, set in concrete. Elevation: 147.898 ft.

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MON. 5272: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of County Route #5, 1.5 miles east of the cross roads at Archers Corners, and 2.3 miles west of Cassville; 17.02 ft. south of the spike in the centerline of County Route #5; 14.75 ft. southeast of and 13.95 ft. southeast of two spikes, both near the south edge of the pavement of the above mentioned County Route; and also a short distance east of a house owned by Kantz. A standard N.J.G. C.S. disk, set in concrete.

mevation: 145.120 ft.

MON, 8271: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, 1.3 miles east of the cross roads at Archers Corners, and 2.5 miles west of Cassville; opposite a dim road and 16.82 ft. north of the spike in the centerline of County Route #5; 14.40 ft. northeast of and 14.85 northwest of two spikes both near the north edge of the pavement of the above mentioned County Route.

A standard N.J.G.C.S. disk, set in concrete.

Elevation: 137.491 ft.

RV. 5224: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Highway #5, (Cassville to New Egypt), 12 ft. west of Sugar RM#3, 1.46 ft. east of westerly iron-post; 2.75 miles west of cross road at Cassville; 675 ft. west of Mon. 8271; in concrete culvert head-wall; 15.7 ft. north of centerline of Highway. A standard monel metal rivet, set in concrete.

Elevation: 137.947 ft.

MON. 8236: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Cassville-New Egypt Road, about 2.85 miles west of Cassville, near cut in top of hill; 3 inches below the surface; 6.76 ft. north of a nail in a 6 inch blazed Pine Butt; 9.72 ft. southeast of a spike in macadam road; and 9.08 ft. southwest of the most easterly spike, 18 ft. south of the centerline of the road. A standard N.J.G. C.S. disk, set in concrete.

Elevation: 160.055 ft.

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MON. 5237: JACKBOH TWP., OCEAR COUNTY, N. J. On the north side of Cassville-New Egypt Road, about 3.10 miles west of Cassville, about 100 ft. west of clearing on the south side, flush with the ground; 17.0 ft. north of the centerline of the road; 10.05 ft. northeast of spike in roadway; 5.79 ft. southeast of a nail in a blazed finch Oak; and 12.57 ft. southwest of a nail in a blazed Triple Oak. A standard N.J.G.S. disk, set in concrete. Elevation: 149.246 ft.

MON. 8270: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of county Road #5, 0.55 miles east of cross roads at Archers Corners, and about 50 ft. west of sand road to U.S.C.& G. Survey triangulation station "BUGAR"; level with ground; 16.23 ft. south of centerline of road; 14.14 ft. southeast of, and 13.90 ft. southwest of two spikes in road. A standard N.J.G.C.S. disk, set in concrete. Elevation: 151.497 ft.

MON. 5236: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Road #5, about 3.7 miles west of Cassville, and 0.3 miles east of the road to Prospertown, about 50 ft. north of Whartonbee's Road Stand; 54.45 ft. southwest of concrete step of the road stand; 18.20 ft. north of canterline of road; 15.02 ft. northeast of, and 15.03 ft. northwest of two spikes in road; 48.53 ft. north of north east corner of old house on south side of road; 47.47 ft. northeast of, and 35.80 ft. north of two 16 inch Maple Trees on south side of road. A standard U.S.C.& G.S.& S. B. disk, set in concrete.

Elevation: 160.228 ft.

MON. 8269: ARCHERS CORNERS, PLUMSTEAD TWP., OCEAN COUNTY, N. J. At the southwest corner of County Route #5, and the cross road from Collier's Mills to Prospertown, 4.0 miles east of the Methodist Church in New Egypt, Ocean County; 15.73 ft. south of a spike in the centerline of County Route #5;40.90 ft. northwest of a nail in a 36 inch Maple Tree; 32.23 ft. southeast and 30.64 ft. southwest of two spikes both in the centerline of the above mentioned County Route. A standard N.J.G.S.S. disk, set in concrete Elevation: 159.056 ft.

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- MON. 8268; PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the north side County Route #5, 3.6 miles east of the Methodist Church in New Egypt, Ocean County, and about 150 ft. west of the driveway leading northerly from the above mentioned County Route to the Lakewood Dairy Farm; 15.90 ft. north of a spike in the centerline of the road; 13.94 ft. northeast of and 13.37 ft. northwest of two spikes both near the north edge of the pavement of the above mentioned County Route. A standard N.J.O.C.S. disk, set in concrete, Elevation: 161.437 ft.
- MON. 8267: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, 3.4 miles east of the Methodist Church in New Egypt. Ocean County, opposite the White Flash Gas Station; 16.98 ft. north of a spike in the centerline of County Route #5; 14.50 ft. northeast of and 14.26 ft. northwest of two spikes both near the north edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 165.891 ft.
- MON. 8266: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the south side of County Route #5, 3.1 miles east of the Methodist Church in New Egypt, Ocean County, in side slope of cut, 7 ft. above grade, and about 160 ft. west of a Standard Oil sign on the same side of the road; 25.85 ft. south of a spike in the centerline of County Route #5; 22.80 ft. south—east of and 22.72 ft. southwest of two spikes both near the south edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 211.475 ft.
- MON. 5265: PLUMSTEAD TWP., OCEAN COUNTY, N. J. At the northeast corner of the intersection of County Routes #5 & #11, 2.75 miles east of the Methodist Church in New Egypt, Ocean County; 37.93 ft. northeast of spike at the intersection of centerlines of County Routes #5 & #11; 42.37 ft. east of a spike near the east edge of the pavement of County Route #11 and 16.95 ft, north of a spike in the centerline of County Route #5 and 5.30 ft. south of the south side of a Twin Oak Tree. A standard N.J.G.C.5. disk, set in concrete.

 Elevation: 186.339 ft.

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MON. 8264: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the south side of County Route #5, 2.5 miles east of the Methodist Church in New Egypt, Ocean County, 4 inches above the ground; 17.27 ft. south of a spike in the centerline of County Route #5; 14.64 ft. southeast of, and 13.90 ft. southwest of two spikes both near the south edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 173.552 ft.

MON. 8263: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, 2,2 miles east of the Methodist Church in New Egpyt, Ocean County, and opposite Zion Cemetery and Zion Farm; 2 inches below the ground; 13.61 ft. north of a spike in the centerline of County Route #5, 11.45 ft. northeast of and 13.56 ft. northwest of two spikes both near the north edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 154.111 ft.

MON. 5240: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the northwest side of the Lakewood-New Egypt Road, (Co.Route #5), near a farm road, about 6.1 miles west of Cassville; 17.97 ft. northwest of the centerline of the road; 5.02 ft. south of a tack in a blazed 8 inch Oak Tree; and 25.71 ft. southeast of a tack in a blazed 8 inch Oak Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 152.592 ft.

MON. 5241: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the southeast side of the Lakewood-New Egypt Road, (Co.Route #5), near a farm house with red barns, about 5.45 miles west of Cassville; 15.97 ft. southeast of the centerline of the road; and 15.08 ft. west of a 36 inch Buttonwood Tree, a standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 128.278 ft.

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PLUMSTRAD TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, 1.15 miles east of the Methodist MON. 8262: Church in New Egypt, Ocean County; in the side slope of the road, 1 ft. above the ground, 18.04ft. north of a spike in the centerline of County Route #5; 12.45 ft. northeast of and 14.74 ft. northwest of two spikes both near the north edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in

Elevation: 128.217 ft.

concrete.

MON. 8261: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the south side of County Route #5, 0.8 mile east of the Methodiat Church in New Egypt, Ocean County; in the shoulder of the road; 16.68 ft. south of a spike in the centerline of County Route #5; 16.98 ft. southeast of and 12.45 ft. southwest of two spikes both near the south edge of the pavement of the above mentioned County Route; and 4.55 ft northwest of a copper nail in a 24 inch Black Oak Tree. A standard N.J.G.C.S. disk, set in concrete. Elevation: 100.451 ft.

PLUMSTEAD TWP., GCEAN COUNTY, N. J. On the south eide of County Route #5, O.6 mile east of the Methodist Church in New Egypt, Ocean County, and about 130 ft. west of a 60 inch concrete pipe culvert; 15 ft. south of a spike in the centerline of County Route #5; 16.96 ft. MON. 8260; southeast of and 20.63 ft. southwest of two spikes both near the south edge of the pavement of the above mentioned County Route; and 2.04 ft. northwest of the first post of the guard rail on the south side of the road, said post being the most westerly post of the guard rail. standard N.J.G.C.S. disk, set in concrete. Elevation: 91.858 ft.

MON. 5259: PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the south side of County Route #5, 0.4 mile east of the Methodist Church in New Egypt, Ocean County; 2 inches below the ground; 16.43 ft. south of the spike in the County Route #5; 15.49 ft. southeast of and 22.33 ft. southwest of two spikes both near the south edge of the above mentioned County Route and 6.73 ft. west of a nail in a 24 inch Maple Tree, said nail being one foot above the ground. A standard N.J.G.C.B. disk, set in concrete. Elevation: 90,439 ft.

BEY JERSEY

Scean County

GRODEFIC CONTROL MURVEY

1940

DESCRIPTION OF SENCE MARKS

OCE-K. page 8

MON. 8258: MEW MITPT, PLUMBTEAD TWP., GORAM COUNTY, M. J. On the west corner of the intersection of County Route #5, the road leading northwesterly to Allentown, and the read leading northeasterly to Horners Town; in the sidewalk 1.5 ft. from the face of the curb; 53.90 ft. south of the south corner of the Methodist Church; 69.20 ft. northwest of the northerly corner of the under pinning of a house; and 25.07 ft. north of a cross out in the east corner of the rim of a catch-basin. A standard M.J. G.C.S. disk, set in congrete.

77.143 ft.

MGN. 3297: MEW EDYPT, PLUMSTEAD TWP., OCEAN COUNTY, N. J. On the south side of Main St., opposite Railread Ave., in front of the store of E. Stephens, and about 0.42 ft. above the crown of the road; 20.99 ft. northwest of the atore of E. Stephens; 36.82 ft. southwest of center of turn valve on fire-hydrant; and 27.37 ft. northeast of the northeast corner of foundation of sun-parlor of house of Raymond-worth. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 73.793 ft.

Elevation:

TIES TO N.J.G.S. BENCH MARKS:

N.J.G.S. NEW EGYPT, OCEAN COUNTY, N.J. A cross on the cement walk about 1.7 ft. 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 Grosswicks Greek just south of Main Street bridge.

Elevation: 63.486 ft.

N.J.G.S. NEW EGYPT, OCEAN COUNTY, N.J. 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.

Elevation: 59.160 ft.

N.J.G.S. NEW EGYPT, OCEAN COUNTY, N.J. 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.

Elevation: 59.050 ft.

GEODETIC CONTROL SURVEY

Monmouth County

GEORGIA CONTROL BONTE

OCE-L, page 1

DESCRIPTION OF BENCH MARKS

STARTING IN UPPER FREEHOLD TOWNSHIP, MONMOUTH COUNTY, ON COUNTY ROUTE NO. 1 ABOUT 0.1 MILE WEST OF ROAD LEADING SOUTHWESTERLY TO IMLAYTOWN, SAME TOWNSHIP, AND RUNNING THENGE IN EASTERLY AND SOUTHEASTERLY DIRECTIONS ALONG COUNTY ROUTE NO. 1 THROUGH STONE TAVERN AND CLARKSBURG, MILLSTONE TOWNSHIP, AND CONTINUING SOUTHEASTERLY ALONG A ROAD WHICH JOINS COUNTY ROUTE NO. 26 AT CARRS TAVERN, SAME TOWNSHIP, THENCE IN A GENERAL SOUTHEASTERLY DIRECTION ALONG COUNTY ROUTE NO. 26 THROUGH HOLMESON, SAME TOWNSHIP, MONMOUTH COUNTY AND CONTINUING SOUTHEASTERLY ALONG OCEAN COUNTY ROUTE NO. 27 TO ITS INTERSECTION WITH OCEAN COUNTY ROUTE NO. 5, CASSVILLE, JACKSON TOWNSHIP, OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

- MON. 2172: UPPER FREEHOLD TWP., MONMOUTH COUNTY, N. J. On the south side of County Route #1, between Allentown and Freehold; about 2.0 miles west of Clarksburg and about 0.1 mile west of a dirt road leading to the Resettlement Administration Project; 0.3 ft, above ground; 15.0 ft. southeast of the centerline of the road; 67.0 ft. southeast of Pole #72; 82.7 ft. southwest of Pole #73. A standard N.J.G.C.S. disk, set in concrete. Elevation: 232.850 ft.
- RV. 5299: STONE TAVERN, MILLSTONE TWP., MONMOUTH COUNTY, N. J.
 On the south side of the Clarksburg-Allentuwn Road,
 O.8 mile easterly from its intersection with the road
 leading from Robinsville, same Township to Imlayatown,
 upper Freehold Township; O.3 ft. above the ground;
 4.97 ft. northeast from a nail in a large Red Cedar Tree;
 26.80 ft. southeast of and 25.89 ft. southwest of two
 spikes both in the centerline of the afore mentioned
 Clarksburg-Allentown Road. A standard monel metal rivet,
 set in concrete.

 Elevation: 195.772 ft.
- RV. 5298: CLARKSBURG, MILLSTONE TWP., MONMOUTH COUNTY, N. J.
 On the mouth side of the Clarksburg-Allentown Road,
 about is mile west of Clarksburg; 12.63 ft. southeast
 of a spike in the centerline of the afore mentioned
 Clarksburg-Allentown Road and 4.31 ft. east of a cross
 cut near the west end of a concrete head-wall; near the
 east end of a concrete culvert head-wall. A standard
 monel metal rivet, set in concrete.
 Elevation: 207.592 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Monmouth County

1940

OCK-L, page 2

- RV. 5297: CLARKSBURG, MILLSTONE TWP., MONMOUTH COUNTY, N. J. On the east side of the oiled road through Clarksburg at the junction of a road leading westerly to Allentown and a road leading easterly to Freehold; 21.60 ft. SE of center of road which leads from Allentown to Freehold, said center point being marked by a spike about on the produced centerline of the oiled road through Clarksburg and 19.47 ft. east of a spike in the centerline of the afore mentioned ciled road; near the west end of a concrete head-wall. A standard monel metal rivet, set in concrete.
 - Elevation: 209.915 ft.
- RV. 5296: CLARKSBURG, MILLSTONE TWP., MONMOUTH COUNTY, N. J.
 On the west side of the road leading from Clarksburg
 to Rolmeson, in the north angle of a road leading
 westerly to Red Valley and opposite a road leading
 easterly to Freehold; at a Sun Oil Gas Station; 26.10
 ft. southwest of and 27.02 ft. northwest of two spikes
 both in the centerline of the aforementioned ClarksburgHolmeson Road; in a concrete island. A standard monel
 metal rivet, set in concrete.
 Elevation: 159.747 ft.
- RV. 5295: MILLSTONE TWP., MONMOUTH COUNTY, N. J. On the southeast side of a gravel road leading from Clarksburg to Holmeson; at the southeast corner of a small wooden bridge just north of a farm house which is on the opposite side of the road; 3.23 ft. southwest of a cross cut and 17.60 ft. southeast of another cross cut; in a stone retaining wall. A standard monel metal rivet, set in concrete.

 Tlevation: 170.097 ft.
- RV. 5294: CARR'S TAVERN, MILLSTONE TWP., MONMOUTH COUNTY, N. J. On the south side of the road which leads westerly to Trenton opposite the road leading northerly to Clarks-burg, shout 1 mile north of Holmeson; 23,91 ft. south-east of and 24,93 ft. southwest of two spikes both in the centerline of the afore mentioned road leading westerly to Trenton; and about 10 ft, northwest of Pole #33. A standard monel metal rivet, set in concrete.

 Flevation: 181.266 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Monmouth County Ocean County

OCE-L, page 3

- RV. 5293: CARR'S TAVERN, MILLSTONE TWP., MONMOUTH COUNTY, N. J. On the east side of the road leading northwesterly to Trenton, and southerly to Cassville in the north angle of a dirt road leading easterly and opposite the office of the Paterson Lumber Company; 13.39 ft. east of Pole ME-465 and 38.57 ft. northwest of a cross near the wast end of a concrete culvert head-wall; near the west end of a concrete headwall. A standard monel metal rivet, set in concrete,

 Elevation: 173.372 ft.
- RV. 5292: HOLMESON, MILLSTONE TWP., MONMOUTH COUNTY, N. J. On the west side of the road from Carr's Tavern to Cassville, about 4.9 miles north of Cassville; 33.03 ft. southwest of a spike in the centerline of the aforementioned road leading from Carr's Tavern to Cassville; 33.03 ft. west of a cross cut in concrete and 6.22 ft. north of a cross cut also in concrete; at the southwest corner of a concrete bridge over a small stream just north of "DEBOW" (which consists only of two old houses and a church). A standard monel metal rivet, set in concrete.

 Elevation: 154.181 ft.
- RV. 5291: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Cassville-Trenton Road, about 4.65 miles north of Cassville and about 300 ft. northeast of an old trolley car which has been converted into living quarters; 22.08 ft. northeast of and 23.31 ft. southeast of two spikes both in the centerline of the aforementioned Cassville-Trenton Road, near the south end of a concrete culvert head-wall. A standard sonel metal rivet, set in concrete. Elevation: 157.960 ft.
- RV. 5290: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Cassville-Trenton Road, about 4,15 miles north of Cassville and about 0.2 mile north of the Jackson Mills Road; 45.00 ft. east of a cross cut in concrete and 14.13. ft. south of another cross cut also in concrete; and 25.75 ft. southeast of a spike in the centerline of the aforementioned Cassville-Trenton Road; near the south end of a concrete head-wall. A standard monel metal rivet, set in concrete.

 Elevation: 145.988 ft.

Ocean County

GEODETIC CONTROL SURVEY DESCRIPTION OF MEMOR MARKS

1980

OCEAL, page 4

RV. 5259: JACKSON TWP., OCEAN COUNTY, M. J. On the west side of the Casaville-Trenton Road, about J.S miles north of Casaville and about 30 ft. south of the road leading southeasterly to Jackson Mille; at the top of a small hill; 37.20 ft. northwest of and 34.25 ft. southwest of two spikes both in the centerline of the aforementioned Casaville-Trenton Road, A standard monel metal rivet, set in concrete.

Elevation: 162.155 ft,

- RV. 5288: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Cassville-Trenton Road, about 3.25 miles north of Cassville and opposite the main entrance to the Thropp Estate; 31.15 ft. northeast of and 28.45 ft. southeast of two spikes both in the centerline of the aforementioned Cassville-Trenton Road. A standard monel metal rivet, set in concrete.

 Elevation: 160.957 ft.
- NV. 5287: JACKSON TWP., OCEAR COURTY, N. J. On the west side of the Cassville-Trenton Road, about 2.6 miles north of Cassville and opposite the road leading easterly to Vanhiseville; 31.95 ft. northwest of md 29.50 ft. southwest of two spikes both in the centerline of the aforementioned Cassville Road. A standard monel metal rivet, set in concrete.

 Elevation: 146.097 ft.
- RV. 5286: JACKBON TWP., OCEAN COUNTY N. J. On the north side of the road from Cassville to Holmeson about 2.2 miles north of Cassville northeast of "BEAVER DAM" at old road; 31.62 ft. north of and 21.97 ft. east of two cross cuts both in the steel curb; near the northeast corner of the highway bridge. A standard monel metal rivet, set in concrete.

Elevation: 126.537 ft.

Ocean County

GEODETIC CONTROL BURVEY

DESCRIPTION OF BENCH MARKS

1940

OCE-L, page.5

- JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Cassville-Trenton Road, about 1.55 miles north of Cassville; at the top of a grade; 26.18 ft.northeast of a RV. 5285: 26.70 ft. southeast of two spikes both in the centerline of the aforementioned Cassville-Trenton Road. A standard monel metal rivet, set in concrete. Elevation: 161.423 ft.
- JACKSON TWP., OCEAN COUNTY N. J. On the east side of the Cassville-Trenton Road, 1.0 mile north of Cassville RV. 5284: Corners and east of Pole #10JK; opposite a sand road leading westerly; 28.60 ft. southeast of and 27.65 ft. northeast of two spikes both in the centerline of the aforementioned Cassville-Trenton Road. A standard monel metal rivet, set in concrete. 148.059 ft. Elevation:
- 5283: CASSVILLE, JACKSON TWP., OCEAN COUNTY, N. J. On the RV. east side of the road from Cassville to Holmeson, about 0.4 mile north of Cassville corners and opposite property owned by the Rova Farms Inc.; 30,47 ft. east of and 21.69 ft. south of two crosses both in steel curb; near the southeast corner of a concrete bridge. standard monel metal rivet, set in concrete. Elevation: 117.106 ft.
- MON. 5228: CASSVILLE, JACKSON TWP., OCEAN COUNTY, N. J. On the Boutheast corner of the Lakewood-New Egypt Road (Co. Route #5), at its intersection with the road to Toma River (Co. Route #27); 21.7 ft. east of the center-line of the road to Toms River (Co. Route #27); 19.2 ft. south of the centerline of the Lakewood-New Egypt Road; and 1.45 ft. northwest of a new pole, 3 inches below surface. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

mevation: 149.155 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-M, page 1

STARTING IN JACKSON'S MILLS, JACKSON TOWNSHIP, OCEAN COUNTY, AT THE INTERSECTION OF COUNTY ROUTES 34 AND 6, AND RUNNING THENCE SOUTH-WESTERLY AND SOUTHERLY ALONG COUNTY ROUTE 34 THROUGH PLEASANT GROVE, SAME TOWNSHIP, TO COUNTY ROUTE 5, VANHISEVILLE, SAME TOWNSHIP, THENCE WESTEPLY ALONG COUNTY ROUTE 5 TO ITS INTERSECTION WITH COUNTY ROUTE 27, CASSVILLE, SAME TOWNSHIP, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

- MON. 5235: JACKSONS MILLS, JACKSON TWP., OCEAN COUNTY, N J. On the southeast side of the road, opposite the hotel at the intersection of the Vanhiseville Road (Co. Route #34) and the Bennetts Mills Road (Co. Route #6); 18.00 ft. southeast of the centerline of the road; and 37.27 ft. southwest of a tack in a pole #JK-95. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

 Elevation: 108.304 ft.
- MON. 5234: JACKSONS MILLS, JACKSON TWP., OCEAN COUNTY, W. J. On the northwest side of the road to vanhiseville (Co.Route #34), opposite the driveway to a stucco bungalow; about 0.32 miles southwest of the road to Bennetts Mills (Co.Route #6); 15,44 ft. northwest of the centerline of the road; 42.63 ft. northwest of a blazed 5 inch Oak Tree; and 55.24 ft. west of a blazed 5 inch Pine Tree. A standard U.S.C.& O.S.& S.S. disk, set in concrete.

 Elevation: 115.489 ft.
- RV. 5222: JACKSON TWP., OCEAN COUNTY, N J. About 2.4 miles north of the Vanhiseville Post Office in east end of a culvert head-wall on the north side of Cassville-Jackson Mills Road and about 15 ft. from centerline of road. A standard monel metal rivet, set in concrete.

 Elevation: 104.405 ft.
- RV. 5221: JACKSON TWP., OCEAN COUNTY, N. J. About 2.2 miles north of the Vanhiseville Post Office in a culvert head-wall on south side of Cassville-Jackson Mills Road; 14.73 ft. from centerline of road and approx. 250 ft. north of curve in road.

 Elevation: 116.556 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-M, page 2

- MON. 5239: JACKSON TWP., OCEAN COUNTY, N. J. At the junction angle formed by the northwest side of County Road #34 and the northeest side of cut off road joining Jacksons Mills—Allentown Road, about 1.0 mile southwest of Jacksons Mills Corners; and 1% miles north of Vanhisevalle; 4 inches below ground; 25.10 ft. northwest of, and 25.20 ft. west of 2 spikes in road; 75.45 ft. northeest of spike in north end post of guard rail on west side of County Road #34; 46.00 ft. northwest of spike in 11th guard rail post from south and 102.54 ft. west of spike in angle post of guard rail on east side of road; and 54.32 ft. south of spike in 5 inch blazed Pine Tree. A standard N.J.G.C.S. disk, set in concrete.
- MON. 5233: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of Vanhiseville-Jackson Mill's Road (Co.Route #34), about 1.7 miles north of the Lakewood-New Egypt Road (Co.Route #5); 16.25 ft. east of spike in centerline of the road; 12.00 ft. northeast of and 12.02 ft. southeast of 2 spikes in road; 10.70 ft. southwest of a tack in a blazed 4 inch Pine Tree; and 5.76 ft. northwest of a tack in s blazed 6 inch Pine Tree. A standard U.S.C.&G.S.& S.S. disk, set in concrete.

 Elevation: 123.063 ft.
- MON. 5232: JACKSON TWP., OCEAN COUNTY, N. J. On the west side of Vanhiseville-Jacksons Mills Road (Co.Route #34), about 1.45 miles north of the Lakewood-New Egypt Road (Co. Route #5); 15.73 ft. west of spike in centerli e of the road; 10.02 ft. northwest of, and 10.02 ft. southwest of 2 spikes in road; 14.45 ft. north of, and 15.21 ft. northeast of tacks in two 5 inch blazed White Oak Trees. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 122.124 ft.
- RV. 5273: JACKSON TWP., OCEAN COUNTY, N. J. On the west side of County Road #34, Jacksons Mills to Vanhiseville, 1.8 miles south of Jacksons Mills and 1/4 mile north of cross roads at Pleasant Grove. A standard monel metal rivet, set in south end of concrete headwall of cross road drain.

 Elevation: 117.278 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH WARKS

1940 OCE-M, page 3

MON. 8225: JACKSON TWP., OCEAN COUNTY N. J. On the east side of County Route #34, opposite road to Leesville, at Pleasant Grove, 3 inches below surface; 4.62 ft. north-west of pole #JK-31; 50.64 ft. north of spike in 15 inch Black Oak; 109.16 ft. northeast of the northeast corner of Hattie Bills house; 66.46 ft. southeast of the northeast corner of Robert Bills house. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 119.051 ft.

MON. 8226: JACKSON TWP., OCEAN COUNTY, N. J. On the west side of the road to Vanhiseville (Co. Route #34), about 2.35 miles S of Jacksons Mills, 8 inches below the surface; 42.31 ft. north of a tack in pole #JK-22-4; 54.27 ft. northwest of tack in pole #JK-22; and 47.62 ft. southwest of a nail in a 14 inch Locust Tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 114.771 ft.

- RV. 5220: JACKSON TWP., OCEAN COUNTY, N. J. About 0.50 miles north of the Vanhiseville Post Office in the concrete apron of the concrete steps leading to the residence of Mr. Polsky in front of the north pillar just south of the driveway on west side of highway. A standard monel metal rivet, set in concrete.

 Elevation: 110.916 ft.
- RV. 5274: JACKBON TWP., OCEAN COUNTY, N. J. On west side of County Road #34, 4/10 mile north of Vanhiseville Post Office, in north end of concrete step, entrance to property of Samuel Louigman's house with green trim. A standard monel metal rivet, set in concrete.

 Elevation: 109.985 ft.
- MON. 5231: VANHISEVILLE, JACKSON TWP., OCEAN COUNTY, N. J. In the grass traffic island on the Lakewood-New Egypt Road at the forks in the road to Bennetts Mills; 1.95 ft. north of a picket fence; 5.26 ft. northeast of a tack in a fence post; and 7.74 ft. northwest of a tack in a fence post. A standard U.S.C.& G.S.& B.S. disk, set in concrete.

 Elevation: 100.349 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-M, page 4

MON. 5230: VANHIBEVILLE, JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Lakewood-New Egypt Road, (Co.Route #5), about 2.25 miles east of County Route #27 in Cassville; 20.0 ft. south of the centerline of the road; 9.51 ft. north of a tack in pole #JK-221X; and 17.0 ft. east of the centerline of the woods road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 119.233 ft.

MON. 5225: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Vanhiseville-Cassville Road, opposite the intersection of Allentown Road; about 0.55 miles west of Vanhiseville Post Office, 4 inches below ground; 65.95 ft. southeast of pole 40145-JK; 83.09 ft. southwest of pole 40144-JK; and 103.33 ft. west of a spike in a 24 inch Twin Oak Tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 131.487 ft.

MON. 8229: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, (Vanhiseville-Cassville Hoad); about 1.05 miles west of Vanhiseville Post Office, on the edge of a gravel pit; 87.12 ft. mowth of the northeast corner of the house of J. Land; 48.97 ft. northeast of a nail in a 6 inch Pine Tree; 31.65 ft. west of a nail in pole #JK-253. A standard M.J.G.C.S. disk, set in concrete.

Elevation: 141.032 ft.

MON. 8230: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Route #5, about 1.25 miles west of the Vanhiseville Post Office; 3 inches above ground; 22.50 ft. east of pole #40176-JK; 41.50 ft. north of a nail in an Oak Stump; and 60.22 ft. west of a nail in an S inch White Oak Tree. A standard N.J.G.C.B. disk, set in concrete.

Elevation: 124.592 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-M, page 5

MON. 8231: JACKSON TWP., OCEAN COUNTY, N. J. On the northwest side of the Vanhiseville-Cassville Road, about 1.45 miles west of the Vanhiseville Post Office, and about 2000 ft. east of Allens Bridge; 3 inches below surface of ground; 55.03 ft. north of pole #JK-270; 21.40 ft. northwest of southwest spike, and 21.57 ft. west of northeast spike in roadway. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 123.550 ft.

MON. 8232: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of the Vanhiseville-Cassville Road, about 2.10 miles west of Vanhiseville and about 0.45 mile east of Cassville Corners, 6 inches above the ground; 66.93 ft. south of the centerline of road; 71.50 ft. east of a nail in a 36 inch Oak Tree; and 8.56 ft. north of s nail in a 10 inch Pine Tree; and 35.57 ft. west of a nail in a 24 inch Oak Tree. A standard N.J.G.C. S. disk, set in concrete.

Elevation: 138.435 ft.

MON. 5229: CASSVILLE, JACKSON TWP., OCFAN COUNTY, N. J. On the north side of the New Egypt-Lakewood Road (Co.Route #5), near the house of M. E. Kaiser, about 0.25 mile east of the road to Toms River (Co. Route #27)) 18.60 ft. north of the centerline of the road; 38.11 ft. northeast of pole #JK-303; and 68.27 ft. southeast of a tack in the southeast corner of the house of M. E. Kaiser; 3 inches below surface. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

Elevation: 161.221 ft.

MON. 5228: CASSVILLE, JACKSON TWP., OCEAN COUNTY, N. J. On the southeast corner of the Lakewood-New Egypt Road (Co. Route #5) near the Real Estate Office of Fedors, at its intersection with the road to Toms River (Co. Route #27); 21.7 ft. east of the centerline of the road to Toms River (Co.Route #27); 19.2 ft. south of the centerline of the Lakewood-New Egypt Road; and 14.0 ft. northwest of a pole. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

Elevation: 149.155 ft.

Ocean County

MEN JERBEY

GEODETIC CONTROL SURVEY

1940

OCH:N, page 1

DESCRIPTION OF BENCH MARKS

STARTING IN LAKEWOOD, LAKEWOOD TOWNSHIP, OCEAN COUNTY, AT THE JUNCTION OF STATE HIGHWAY ROUTES #4 AND #35, AND RUNNING THEMCE NORTHERLY ALONG STATE HIGHWAY ROUTE #4 TO ITS INTERSECTION WITH COUNTY ROUTES #6 AND #28, SAME TOWNSHIP, THEMCE NORTHWESTERLY ALONG COUNTY ROUTES #6 AND #28, "COUNTY LIME ROAD", AND COUNTY ROUTE #6 THROUGH LAKEWOOD TOWNSHIP TO THE INTERSECTION OF COUNTY ROUTES #6 AND #34 JACKSON'S MILLS, JACKSON TOWNSHIP, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

- MON. 2214: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4 in the grass I foot inside of the curb at the intersection of State Highway Route #4 and State Highway Route #35, diagonally opposite a Catholic Church, in front of Hotel Armen, 0.5 ft. below the surface of the ground; 1.66 ft. west of the east face of the curb; 25.13 ft. southwest of the edge of a manhole; and 9.15 ft. south of a pole #LD-20. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 54.836 ft.
- RV. 5270: LAKEWOOD, OCEAN COUNTY N. J. In village of Lakewood, at northeast corner of Madison Ave. (Route \$4) and 3rd St. in Madison Ave. Curb. A standard monel metal rivet. Elevation: 66.216 ft.
- MON. 8211; LAKEWOOD, OCEAN COUNTY N. J. On the northwest corner of the intersection of 6th St. and Madison Ave.(S.H. Route #4); 20.70 ft. southwest of drill hole in a manhole; 49.68 ft. north of pole #ID-43-JB; 37.57 ft. northeast of a nail in a 15 inch Maple Tree; and 15.23 ft. south of a nail in a 12 inch Maple Tree. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 90.976 ft.
- MON. 8212: LAKEWOOD, OCEAN COUNTY, N. J. On the southeast corner of the intersection of Madison Ave.(S.H.Route #4), and Carey St. between the sidewalk and the curb; 36.75 ft. southeast of drill hole in a manhole; 2.19 ft. north of pole #502; 50.85 ft. northwest of the northwest corner of a brick house foundation. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 67.457 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 5242: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the northwest corner of State Highway Route #4 at the Bennetts Mills Greenville Road, (Co. Routes #6 and #28), in front of a Gasoline Station, about 1.15 miles north of Lakewood; 25.35 ft. west of the centerline of State Highway Route #4; 19.27 ft. north of the centerline of County Route #6; and 6.55 ft. south of a pole #LD-75-A. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 68.646 ft.

MON. 5243: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the north side of the Bennetts Mills-Greenville Road, (Co.Routes #6 and #25), about 0.25 miles west of State Highway Route #4; 17.55 ft. north of the centerline of the road; 11.10 ft. southeast of a blazed 12 inch Pine Tree; and 30.05 ft. southwest of a blazed 12 inch Oak Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 69.594 ft.

MON. 8213: LAKEWOOD TWP., OCEAN COUNTY N. J. On the south side of the County Line Road, abbut 0.65 mile west of Madison Ave., (Route #4), 8 inches below the grade of shoulder, and set in a curve; 5.16 ft. northeast of a nail in a 12 inch Pine Tree; 10.63 ft. northwest of a nail in a 10 inch Pine Tree; and 9,47 ft. southwest of a spike in the road, and 11.57 ft. southeast of another spike in road. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 65.669 ft.

MON. 5214: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the north side of the County Line Road, about 150 ft. west of Dewey Anderson House, and about 500 ft. east of Kent Road, level with the road; 3.09 ft. west of a nail in a 12 inch Pine Tree; 61.95 ft. northwest of pole #LD-214; 5.13 ft. east of a spike in the roadway; and 12.50 ft. southeast of a nail in a 10 inch Oak Tree. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 73.825 ft.

Ocean County

GEODETIC CONTROL SURVEY

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- MON. 8215: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the south side of the County Line Road, just east of Hope Road, and opposite the entrance to Pine Park, level with the road; 46.19 ft. east of pole #LD-202; 45.55 ft. north of a nail in a 12 inch Twin Oak; 53.80 ft. southwest of pole #LD-203; 84.60 ft. southeast of a rivet in the 2nd to east stone post of the entrance of Pine Park. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 81.104 ft.
- MON. 5244: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the southwest side of the Bennetts Mills-Greenville Road, (Co.Routes #6 and #28), in front of a wire fence, about 1.7 miles northwest of State Highway Route #4; 20.57 ft. southwest of the centerline of the road; and 34.60 ft. south of a pole #HL-180. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 90.563 ft.
- MON. 5245: LAKEWOOD TWP., OCEAN COUNTY, N. J. At the side road to Harmony, and on the southwest side of the Bennetts-Mills-Greenville Road, (Co.Routes #6 and #25), about 2.05 wiles northwest of its intersection with 8.H.Route #4; 18.02 ft. southwest of the centerline of road; 16.89 ft. north of a blazed 12 inch Pine Tree; and about 20.0 ft. northwest of the centerline of a woods road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 120.548 ft.
- MON. 5216: LAKEWOOD TWP., OCEAN COUNTY N. J. on the north side of County Line Road, 2.35 miles west of State Highway Route #4, near the west end of an old gravel pit, level with the read; 46.39 ft, southeast of a nail in an 5 inch Oak; 5.70 ft. northwest of a spike in the road; 40.62 ft. northeast of Twin Oak Butt, A standard N.J.G.C.B. disk, set in concrete.

 Elevation: 130.407 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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- RV. 5228: JACKSON TWP., OCEAN COUNTY, N. J. 3.0 miles west of intersection of County Line Road and Routes #4 & #9 in Lakewood, N. J. located in a culvert header on north side of road, 18 ft. from centerline of road; 25 ft. from 14 inch Blazed Oak. A standard monel metal rivet, set in concrete.

 Elevation: 107.234 ft.
- MON. 8217: JACKSON TWP., OCEAN COUNTY, On the north side of County Line Road, about 2.9 miles west of State Highway Route #4, on the property line of the Feeney-Hendrickson Farms, 8 inches below present surface; 9.50 ft. southwest of 14 inoh Twin Cedar Tree; 8.58 ft. northwest of spike in road; 37.42 ft. northeast of a nail in an 8 inch Cherry Tree. A standard N.J.G.C.S. disk, set in concrete. Elevation: 112.757 ft.
- MON. 8218: JACKSON TWP., OCEAN COUNTY N. J. On the south side of County Line Road, about 7.2 miles west of State Highway Route #4, and about 140 ft. west of Dohanski Mail box, level with grade of road; 58.31 ft. east of a nail in pole; 17.60 ft. north of 8 inch Twin Oaks at top of out; 8.37 ft. southwest of a spike in roadway. A standard N.J.G.C.S. dick, set in concrete.

 Elevation: 95.044 ft.
- MON. 5246: JACKSON TWP., OCEAN COUNTY, N. J. On the southwest side of the Bennetts Mills-Jacksons Mills Road, (Co.Route #6), near the house of H.A. Hankins, about 3.9 miles northwest of its intersection with State Highway Route #4: 6 inches below surface: 16.9 ft. southwest of the centerline of the road; 5.32 ft. northwest of a blazed S inch Locust Tree: and 4.95 ft. east of a blazed S inch Locust Tree. A standard U.S.C.& G.S.& B.S. disk, set in concrete. Ejevation: 109.272 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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- MON. 5247: JACKSON TWP., OCEAN COUNTY, N. J. On the northeast side of the Bennetts Mills-Jacksons Mills Road, (Ge. Route #6), about 4.15 miles northwest of its intersection with State Highway Route #4, at a curve, 4 inches below gutter; 16.22 ft. northeast of the centerline of the road; 2.50 ft. southeast of a pole #JK-56X; and 30.56 ft. northeast of a pole #JK-56. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 97.452 ft.
- MON. 8219: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Line Road, (Co.Route #6), about 4.8 miles west of State Highway Route #4, near the west end of picket fence of the Levine Turkey Farm; level with the grade; 41.29 ft. northeast of a blazed 6 inch Locust Tree; 42.05 ft. southwest of the southwest corner of the Levine House; and 42.52 ft. northwest of pole #JK-62. A standard N.J.G.C.S.disk, set in concrete,

Elevation: 102.542 ft.

- MON. 5699: JACKSON TWP., OCEAN COUNTY, N. J. On the south side of County Route #6, (County Line Road), about 5.10 wiles west of State Highway Route #4, opposite the junction of the Freehold Road, level with grade of road; 2.89 ft. east of pole #JK-56; 64.60 ft. southeast of sign post; 74.87 ft. southwest of the southwest corner of foundation of Frank Hulssrt's House; 70.37 ft. southwest of the southwest corner of Stone Roadstand. A standard N.J.G.C.S. disk, set in concrete. Elevation: 111.419 ft.
- MON. 5221: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of County Line Road, (Co.Route #6), about 5.45 miles west of State Highway Route #4, O.5 ft. below the surface; 103.33 ft. southeast of the southeast corner of W.G.Clayton's House; 6.46 ft, southwest of 15 inch Locust Tree; 43.14 ft. north of pole #JK-36; and 125.31 ft. northeast of pole #JK-35. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 119.158 ft.

GEODETIC CONTROL SURVEY

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Ocean County

DESCRIPTION OF BENCH MARKS

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RV. 5231: JACKSON TWP., OCEAN COUNTY, N. J. In culvert header, on south side of Lakewood, Jacksons Mills Road at west end of culvert. A brown shingled house is 250 feet east of rivet; 4,15 ft. west of Route #4,(State Highway).

Elevation: 109.479 ft.

MON. 8222: JACKSON TWP., OCEAN COUNTY M. J. On the south side of County Line Road, (Co.Route #6), about 6.2 miles west of State Highway Route #4 and about 0.2 miles east of the intersection at Jacksons Mills; 65.07 ft. west of pole #JK-10; 8.32 ft. southwest of spike in surface of road; 8.40 ft. southeast of another spike; 49.85 ft. east of a nail in a 15 inch White Oak Tree. A standard N.J.G.C.S. disk, set in concrete.

RV. 5272: JACKSON MILLS, JACKSON TWP., OCEAN COUNTY, N. J. At intersection of County Roads #6 and #34; 2.2 ft. south of north end of wall, in top of upstream headwall of outlet flume of lake. A standard monel metal rivet.

Elevation: 95.195 ft.

MON. 5235: JACKSONS MILLS, JACKSON TWP., OCEAN COUNTY, N. J. On the southeast side of the road, opposite the hotel, at the intersection of the Vanhiseville Road (Co.Route #34) and the Bennetts Mills Road (Co.Route #6); 18.00 ft. southeast of the centerline of the road; and 37.27 ft. southwest of a tack in a pole #1K-95. A standard U.S.C.& G.S.&S.S. disk, set in concrete.

Elevation: 108.304 ft.

LOOP RUN; MOM. 2214 TO RV. 5270:

MON. 8209: LAKEWOOD, OCEAN COUNTY, N. J. On the south side of Main St., opposite Lexington Ave., in front of a Chevrolet Agency Garage; 3 inches below the sidewalk; 69.82 ft. southeast of a fire hydrant; 25.10 ft. southwest of a nail in 30 inch Maple Tree; 40.40 ft northeast of the northwest corner of the Chevrolet Agency. A standard N.J.G.C.S. disk, set in concrete. Elevation: 55.945 ft.

Ocean County

GEODETIC CONTROL SURVEY

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MON. 8210: LAKEWOOD, OCEAN COUNTY, N. J. On the northwest corner of the intersection of Lexington Ave. and 3rd St., 12 inches below the sidewalk; 52.17 ft. north of the northeast corner of the Telephone Building; 44.47 ft. north-west of the center of a manhole; 40.93 ft. southwest of pole #D-12-JB; and 53.33 ft. east of a nail in a 15 inch Maple Tree. A standard N.J.G.C.S. disk, set in

Elevation: 63.300 ft.

RV. 5270: LAKEWOOD, OCEAN COUNTY N. J. In Madison Ave. curb, at northeast corner Madison Ave. (Route #4) and 3rd Street.
A standard monel metal rivet, set in concrete.
Elevation: 66.216 ft.

END OF LOOP RUN

concrete.

Ocean County

NEW JERSEY

GEODETIC CONTROL SURVEY DESCRIPTION OF BENCH MARKS

1940

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STARTING IN BORO. OF LAKEHURST, MANCHESTER TOWNSHIP, OCEAN COUNTY, AT JUNCTION OF STATE HIGHWAY ROUTE 40 AND COUNTY ROUTE 45 (LEADING NORTHERLY PAST NAVAL AIR STATION), AND RUNNING THENCE NORTHERLY ALONG COUNTY ROUTE 45 TO ITS INTERSECTION WITH COUNTY ROUTE 27, SAME TOWNSHIP, THENCE NORTHWESTERLY ALONG COUNTY ROUTE 27 THROUGH MANCHESTER TOWNSHIP TO ITS INTERSECTION WITH COUNTY ROUTE 5, CASSVILLE, JACKSON TOWNSHIP, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

MON. 2676: BORO. OF LAKEHURST, OCEAN COUNTY, N. J. In a small traffic circle at the junction of State Highway Route \$40, and road leading from Lakehurst to Naval Air Station, 0.25 miles west of bridge over Central R.R.; flush with ground; 18.58 ft.east of a spike in a joint in northwest part of curb to circle; 2.33 ft. southeast of a cross cut in same curb; 2.40 ft. southwest of another cross cut in east portion of curb; 13.55 ft. northwest of a spike in southwest part of curb. A standard N.J.G.C.S. disk, set in concrete.

MON. 5251: NAVAL AIR STATION, LAKEHURST, MANCHESTER TWP., OCEAN COUNTY, N. J. On the east side of the Lekehurst-Lakewood Road, (Co. Route #45), and in front of a JCP&L Co. Sub-station, about 1.0 mile north of Lakehurst; 19.5 ft. east of the centerline of the road; 26.50 ft. west of a corner fence post; and 5.10 ft. southwest of a corner fence post. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 72.366 ft.

MON. 5252: NAVAL AIR STATION, LAKEHURST, MANCHESTER TWP., OCEAN COUNTY, N. J. In a cut on the east side of the Lakenurst-Lakewood Road, (Co.Route #45), about 1.3 miles north of Lakehurst and also sbout 600.0 ft. south of the main entrance to the Naval Station; 16.98 ft. east of the centerline of the road; 11.20 ft. west of a pole #20-MC; and 86.40 ft. southeast of the switch point of the railroad siding. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 85.243 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 5220: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south corner of the Lakehurst-Lakewood Road, (Co. Route #45), at its intersection with the Cassville-Toms River Road, about 0.75 miles northeast of the main entrance to the Naval Air Station; 1.35 ft. northwest of a pole #MC-5; 17.06 ft. southwest of the centerline of the Cassville-Toms River Road; and 24.0 ft. southeast of the centerline of the Lakewood-Lakehurst Rosd. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 73.809 ft.

MON. 5221: MANCHESTER-JACKSON TWP.LINE, OCEAN COUNTY, N. J. On the northeast side of the Tome River-Cassville Road, (Co. Route #27) in front of the Hoffman house, about 0.3 miles northwest of the Lakehurst-Lakewood Road, (Co. Route [45]; 15.75 ft. northeast of the centerline of the road; 24.52 ft. northwest of the centerline of a driveway; and 31.25 ft. north of a pole #MC-15. A standard U.S.C.& G.S.& S.S. disk, set in concrete.
Elevation: 77.398 ft.

JACKSON TWP., OCEAN COUNTY, N. J. On the southwest side of the Toms River-Cassville Road, (Co.Route #27), opposite a road stend, about 1.4 miles northwest of the Lakehurst-MON. 5222: Lakewood Rosd, (Co.Route #45); 15.73 ft. southwest of the centerline of the road; and 35.76 ft. south of a pole #JK-42. A standard U.S.C.& G.S.& S.S. disk, set in concrete,

Elevation: 86.164 ft.

JACKSON TWP., OCEAN COUNTY, N. J. On the northeast side of the Cassville-Toms River Rosd, (Co. Route #27), about MON. 5223: On the northeast side 1.75 miles northwest of the Lakewood-Lakehurst Road, (Co. Route #45); 17.0 ft. northeast of the centerline of the road; and 26.20 ft. southeast of a blazed 18 inch Oak Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 80.088 ft.

MEW JERSEY

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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- RV. 5276: JACKSON TWP., OCEAN COUNTY, N. J. On the northeast side of County Road #27, in a concrete County Road Mon., 5.0 miles south of intersection of County Roads #27 and #5 at Cassville, 0.4 miles north of Mon. 5223 and 17 ft. east of centerline; 2.2 miles north of intersection of County Roads #27 and #45 at traffic light near "Happy Landing" road stand. A standard monel metal rivet, set in concrete Elevation: 93,265 ft.
- RV. 8200: JACKSON TWP., OCEAN COUNTY, N. J. On the north side of Lakehurst-Caseville Road, 2.7 miles west of intersection at Ridgeway; 31.33 ft. northeast of a spike in centerline of road; 4.42 ft. southeast of a nail in a 4 inch blazed Oak and 17.81 ft. west of a nail in 4 inch blazed Oak and 100 ft. east of a drive-way to an old sbandoned house. A standard monel metal rivet, set in a concrete county road monument, level with the surface.

 Elevation: 92.326 ft.
- MON. 5224: JACKSON TWP., OCEAN COUNTY, N. J. On the southwest side of the Toms River-Cassville Road, (Co.Route #27), opposite the bungalow of Sid Stirlms Conti, about 3.25 miles northwest of the Lakewood-Lakehurst Road, (Co.Route #45); 16.0 ft. southwest of the centerline of the road; 7.95 ft. north of a blazed 5 inch Omk Tree; and about 100.0 ft. northwest of the prolonged centerline of a driveway. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 109.651 ft.
- MON. 5225: JACKSON TWP., OCEAN COUNTY, N. J. On the northeast side of the Casaville-Toms River Road, (Co. Noute #27), hear a pipe culvert, and opposite a woods road; about 3.5 miles northwest of the Lakehurst-Lakewood Road; (Co. Route #45); 16.0 ft. northeast of the centerline of the road; 20.10 ft. southeast of a blazed 14 inch Oak Tree; and 11.50 ft. southwest of a blazed 10 inch Oak Tree; and 11.50 ft. & G.S.& S.& disk, set in concrete.

 Elevation: 111.432 ft.

NEW LEWISZ

Ocean County

GRODELIC CONTROL MINARI

DESCRIPTION OF BENCH MARKS

1940

005-0, page 4

- RV. 5278: JACKSON TWP., OGEAN COUNTY, N. J. On the northeast side of Gounty Reute #27, about 3.1 miles south of cross roads at Cassville, 4.1 miles north of traffic light at intersection of County Routes #27 and #45 and also about 0.5 mile north of Monument 5285; at Southern View Poultsyv Farm; 56.37 ft. northwest of the northwest corner of a house; 34.70 ft. northwest of a 8 inch Black Oak Tree; 32.48 ft. south of the westerly of a pair of twin Oaks and 43 ft. east of the centerline of County Route #27; in the base of a gas pump near the northwest corner of same. A standard monel metal rivet, set in concrete. Elevation: 131.525 ft.
- MON. 5226: JACKSON TWP., OCEAN COUNTY, N. J. On the west side of the Gassville-Toms River Road, (Co.Route #27), about 4.9 miles northwest of the Lakewood-Lakehurst Road, (Co. Route #45); 16.0 ft. west of the centerline of the road; 13.5 ft. southeast of a blazed 16 inch Oak Tree; and 7.10 ft. northeast of the most northerly of twin Cedar Trees. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 112.961 ft.
- MON. 5227: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Cassville-Toms River Road, (Co. Route #27), in a 6 ft. cut and opposite an old woods road, about 5.25 miles northwest of the Lakewood-Lakehurst Road, (Co. Route #45); 17.5 ft. east of the centerline of the road; 14.7 ft. southwest of an 5 inch blazed Oak Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 135,099 ft.
- RV. 5279: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of the Lakehurst-Cassville Road (Gounty Route #27), about 250 ft. south of an old abandened farm house having an old fashion well in the front yard; about 1,4 miles south of the cross roads at Cassville; in a County Road Monument. A standard monel metal rivet, set in concrete.

 Rlevation: 147,487 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 5277: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of County Route #27, 0.95 mile south of the cross roads at Cassville; level with the grade of the highway; 16.43 ft. east of the centerline of the above mentioned County Route; 19.98 ft. south of a concrete monument and 15.89 ft. north of a spike near the east edge of the pavement of the aforementioned County Route; also opposite a 14 inch Cedar Tree said Gedar Tree being about 50 ft. north of the north side of a White House also on the west side of County Route #27. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 147.316 ft.

MON. 8276: JACKSON TWP., OCEAN COUNTY N. J. On the west side of County Route #27, about 0.65 mile south of the cross roads at Cassville; 16.93 ft. west of the centerline; 16.42 ft. south of and 16.32 ft. north of two spikes, both spikes being near the west edge of the pavement of the above mentioned County Route; also opposite pole JK-76. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 151.522 ft.

MON. 8275: JACKSON TWP., OCEAN COUNTY, N. J. On the east side of County Route #27, about 0,4 mile south of the cross roads at Cassville; 0.3 ft. above the crown of the Highway; 15.57 ft. east of the centerline; 17.97 ft. southeast of a spike near the east edge of the pavement of the above mentioned County Route; 72.31 ft. southwest of the southwest corner of a building located on the north side of the driveway; also a short distance southwest of telephone pole #JK-85. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 158.649 ft.

MON. 8274: JACKSON TWP., OCEAN COUNTY, N. J. On the west side of County Route #27, about 0.2 mile south of the intersection of County Routes #27 and #5 at Cassville; 0.3 ft. below the grade of the road; 17.71 ft. west of the center line; 15.49 ft. southwest of and 18.95 ft. northwest of two spikes both near the west edge of the pavement of the above mentioned County Route. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 147.451 ft.

Ocean County

GEODETIC CONTROL BURYEY

DESCRIPTION OF BENCH MARKS

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MON. 5228: CASSVILLE, JACKSON TWP., OCEAN COUNTY N. J. On the southeast corner of the Lakewood-New Egypt Road, (Co. Route #5), at its intersection with the road to Toms River (Co. Route #27); 21.7 ft. east of the center-line of the road to Toms River (Co. Route #27); 19.2 ft. south of the centerline of the Lakewood-New Egypt Road; and 1.45 ft. northwest of a new pole, 3 inches below surface. A standard U.S.C.& G.S.& B.S. disk, set in concrete.

Elevation: 149.155 ft.

Ocean County

GEODETIC CONTROL SURVEY DESCRIPTION OF BENCH MARKS

1940.

OCE-P, page 1

STARTING IN LAKEWOOD TOWNSHIP, OCEAN COUNTY, ON STATE HIGHWAY ROUTE STARTING IN LAKEWOOD TOTASHIP, OCEAN GOUNTI, ON STATE HIGHWAY ROUTE #4, ABOUT 2.8 MILES SOUTH OF STATE HIGHWAY ROUTE #55 AND ALSO ABOUT 1850 FT. SOUTH OF CROSS STREET, AND RUNNING THENCE SOUTHERLY TO STATE HIGHWAY ROUTE 40, DOVER TOWNSHIP, THENCE SOUTHWESTERLY ALONG STATE HIGHWAY ROUTE 40, THPOUGH MANCHESTEP TOWNSHIP TO THE ROAD LEADING NOPTHERLY TO THE NAVAL AIR STATION, SAID ROAD BEING ABOUT 0.25 MILES TEST OF CENTRAL RAILROAD OF NEW JERSEY, LAKEHURST BOROUGH, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE HEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

MON. 2220: LAKEWOOD TWP., OCEAN COUNTY, N. J. On the west side of State Highway Route #4, on the property of "Rosina Villa" road-stand, about 2.8 miles south of State Highway Route #35 near the southeast township line; 11.77 ft. west of the west edge of the pavement; 30.67 ft. southeast of a 15 inch Black Oak Tree; 14.74 ft. south of the center of a fire-hydrant; 57.37 ft. southwest of the west end of the joint between pavement slabs \$151 and \$152; and 57.64 ft. northwest of the west end of the joint between pavement slabs \$153 and \$154. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 125.200 ft.

DOVER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 0.3 miles west of under-pass at State Highway Route #4; 0.3 ft. below gravel MON. 2662: shoulder; 44,91 ft. east of a spike in south edge of highway joint #1850; 7.80 ft. south of a cross-cut in south edge of concrete paving; 17.08 ft. southwest of a spike in south edge of joint #1849. A standard M.J. G.C.S. disk, set in concrete. 91.123 ft. Elevation:

DOVER TWP., OCEAN COUNTY, N.J. On the southeast corner of State Highway Route #40 and Massachusetts Ave., about MON. 2663: 0.6 miles west of underpass at State Highway Route #4; 0.4 ft. below gravel shoulder; 4.55 ft. northeast of a spike in southeast corner of the concrete apron on the south side of Route \$40 at Massachusetts Ave.; 4.15 ft. east of a spike at said apron and south edge of concrete paving of Route #49; 2.49 ft. southwest of a spike in south edge of joint #1862. A standard N.J.G.C.S. disk, sat in concrete.

Elevation: 98.776 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 2664: DOVER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 0.9 miles west of underpass at State Highway Route #4; 0.4 ft. below gravel shoulder; 25.80 ft. east of s spike in south edge of highway joint 1907; 10.02 ft. southeast of a cross-cat in south edge of concrete paving; 34.22 ft. southwest of s spike on south edge of joint 1906. A standard N.J.C.S. disk, set in concrete.

Elevation: 106.868 ft.

MON. 2665: DOVER TWP., OCEAN COUNTY, N. J. On the southeast corner of State Highway Route #40 and Whiteaville Road, about 1.3 mile west of underpass at State Highway Route #4; O.4 ft. below gravel shoulder; 4.34 ft. east of a spike at east end of a concrete apron and south edge of concrete paving of Route #40; 18.56 ft. southwest of a spike in south edge of joint #1945; 31.04 ft. north of a cross cut in M.H. rim at southeast corner of Route #40 and Whiteaville Road. A standard N.J.G.C.S. disk, set in concrete.

MON. 2666: DOVER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 1.6 miles west of underpass at State Highway Route #4; 0.4 ft. below gravel shoulder; 57.76 ft. east of a spike at the south end of an unnumbered highway joint; 12.56 ft. south of a spike in the south edge of joint #1874; 57.71 ft. southwest of a spike in south edge of joint #1873. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 64.874 ft.

MON. 2667: DOVER TWP., OCEAN COUNTY, N. J. On the south eide of State Highway Route #40, at the southeast corner of the bridge over the Toms River, about 1.9 miles west of the underpass at State Highway Route #4; O.4 ft. below surface of gravel shoulder; 5.67 ft. east of a cross cut in southeast corner of a steel curb at the southeast corner of the bridge; 7.42 ft. east of a spike in east edge of bridge floor and south line of concrete paving; 28.24 ft. southweat of a spike in south edge of highway joint #2000. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 53.404 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MANCHESTER TWP., OCEAN COUNTY, N. J. On the sou side of State Highway Route #40, about 2.7 miles MON. 2668: On the south west of the underpass at State Highway Route #4; 0.3 ft. below gravel shoulder; 42.16 ft. east of a spike at the south edge of highway joint #2076; 9.24 ft. south end opposite a cross cut in south edge of concrete paving; 17.78 ft. southwest of a spike in south eage of Joint #2075. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 83.716 ft.

MON. 2669: MANCHESTER TWP., OCEAN COUNTY N. J. On the south-east corner of State Highway Route #40, about 3.0 miles west of the underpess at State Highway Route. #4, and the Toms River-Cassville Road; 23.23 ft. east of a spike in south edge of highway joint #2107 at cross roads; 38.14 ft. southwest of a spike in south edge of joint #2106; 20.67 ft. northeast of a cross cut in M.H. rim at southeast corner of road intersection; and 4.03 ft. south of south edge of concrete paving. A standard N.J.G.C.S. disk, set

in concrete. Elevation: 58.360 ft.

MON. 2670: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 3.3 miles west of underpass at State Highway Route #4, and at the southeast corner of bridge over the Ridgeway Branch of the Toms River; 0.4 ft. below surface of gravel shoulder; 5.43 ft. east of cross cut in the steel curb at the southeast corner of the bridge; 7.26 ft. east of east end of bridge and south line of concrete paving; 28.14 ft. south-west of a spike in south end of highway joint #2123. A standard N.J.G.C.S. disk, set in concrete. Elevation: 47.418 ft.

MON. 2671: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 3.7 miles west of underpass at State Highway Route #4; 0.3 ft. below gravel shoulder; 56.49 ft. east of a spike in south edge of highway joint #2167; 9.39 ft. south of a spike in south edge of joint #2166; 57.68 ft. southwest of a spike at south edge of joint #2165. A standard N.J.G.C.3. disk, set in concrete. Elevation: 70.854 ft.

MEN JERSEY

Ocean County

GEODETIC CONTROL BURYEY

DESCRIPTION OF SEMCH MARKS

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- MANCHESTER TWP., OCEAN COUNTY, H. J. on the south side of State Highway Route #40, about 4.2 miles west of underpass at State Highway Route #4; flush with ground; MON. 2672: 49.26 ft. east of a spike in the south edge of highway joint #2218; 30.12 ft. southeast and opposite the cross cut in south edge of concrete paving; 34.98 ft. southeast of a spike in south edge of highway joint #2217. A standard N.J.G C.S. disk, set in concrete. Elevation: 62,703 ft.
- MANCHESTERTWP. OCEAN COURTY, N.J. On the south side of State Highway Route #40, about 4.55 miles west of underpass at State Highway Route #4; flush with ground; 63.92 ft.southeast of a spike in the south edge of highway joint #2249; 30.17 ft. south and opposite a spike in south edge of highway joint #2248; 64.45 ft. southwest of a spike in south edge of highway joint #2247. MON. 2673: A standard N.J.G.C.S. disk, set in concrete. Elevation: 58.436 ft.
- MON. 2674: BORO, OF LAKEHURST, OCEAN COUNTY, N. J. On the south side of State Highway Route #40, at the east end of a traffic circle, about 0.2 miles east of bridge over Central R. R. of New Jersey, just inside of the curb, set flush with the surface; 13.78 ft. east of a cross cut in the northeast corner of a catch basin rim on the south side of Route #40; 45.46 ft. southwest of a cross cut in the southwest corner of a satch basin rim on the north side of Route #40; 28.76 ft, west of a spike in the south end of highway joint #800. A standard W.J. O.C.S. disk, set in comcrete, Elevation: 56.390 ft.
- BORO. OF LAKEHURST, OCEAN COUNTY, N. J. On the north side of State Highway Route #40, at the northeast cor-MON. 2675: ner of the bridge over the Central Railroad; 1.87 ft. east of a cross cut in the iron guard rail at the north end of the bridge; 32.72 ft. west of a spike in the north edge of highway joint #951; 30.56 ft. north of a cross cut and drill hole in the center of the east side of the bridge. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 91,496 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

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BORO. OF LAKEHURST, OCEAN COUNTY, N. J. In a small traffic circle at the junction of State Highway Route #40, and road leading from Lakehurst to Maval Air MON. 2676: Station, 0.25 miles west of bridge over Central Railroad; flush with ground; 18.58 ft. east of a spike in joint in northwest part of curb to circle; 2.33 ft. southeast of a cross cut in same curb; 2.40 ft. south west of another cross cut in east portion of curb; 13.55 ft. northwest of a spike in southwest part of curb. A standard N.J.G.C.S. disk, set in concrete. Elevation: 66.210 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

..1940...

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STARTING IN MANCHESTER TOWNSHIP, OCEAN COUNTY, AT THE JUNCTION OF LACEY ROAD WITH STATE HIGHWAY ROUTE #40, AND RUNNING THENCE WESTERLY ALONG STATE HIGHWAY ROUTE #40 THROUGH THE ABOVE MENTIONED TOWNSHIP AND ACROSS THE OCEAN COUNTY LINE TO THE UPTON STATION CROSSING OF THE PENNSYLVANIA RAILROAD, PEMBERTON TOWNSHIP, BURLINGTON COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

- MON. 5214: MANCHESTER TWP., OCEAN COUNTY N. J. At southeast corner of intersection State Route #40 and Lacey Road; 8.39 ft. east of a tack in northeast corner of Esso Gas Station, and 0.3 ft. below surface; 68.97 ft. east of a drill hole near paving joint Bl04; 42.66 ft. south of a drill hole near paving joint Bl06; and 70.26 ft. south of a drill hole near paving joint Bl07; all drill holes being on south side of highway. A standard U.S.C.& G.S. & S.B. disk, set in concrete.

 Elevation: 156.540 ft.
- MON. 5215: MANCHESTER TWP., OCEAN COUNTY, N. J. On south eide of (opposite highway slab #849), State Highway Route #40, about 3.92 miles southwest of Lake St. in Lakehurst; 20.95 ft. south of, 32.30 ft. southeast of, and 23.22 ft. southwest of three drill holes in south edge of pavement; about 70 ft. west of the center of a gravel road; and 32.72 ft. southeast of the southwest corner of highway slab #849. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 142.793 ft.
- MON. 2681: MANGHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 0.6 miles west of Lacey Road at Whitings; flush with ground; 44.87 ft. east of a spike in highway joint D6; 26.50 ft. south of a spike in Joint D7; and 44.27 ft. southwest of a spike in joint D8. A standard N.J.G.C.B. disk, set in conserse Elevation: 150.876 ft.
- MON. 2682: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Righway Route #40, about 0.95 miles west of Lacey Road at Whitings; O.2 ft. below ground; 38.90 ft. east of a spike in highway joint 43; 25.45 ft. south of a spike in joint 42; and 46.09 ft. southwest of a spike in joint 41. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 163.517 ft.

MEW JERSEY

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 2683: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 1.45 miles west of Lacey Road, at Whitings; flush with ground; 46.42 ft. east of a spike in highway joint 120; 31.26 ft. south of a spike in joint 119; and 44.48 ft. southwest of a spike in joint 118. A stendard N.J.G.C.S. disk, æt in concrete. Elewation: 145.401 ft.

MON. 2684: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 1.9 miles west of Lacey Road, at Whitings; O.2 ft. below ground; 35.20 ft. east of a spike in highway joint 184; 16.91 ft. south of a spike in joint 183; and 38.35 ft. southwest of a spike in joint 182. A standard N.J.C.S. disk, set in concrete.

Elevation: 138.319 ft.

MON. 2685: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 2.1 milet west of Lacey Road at Whitings; in shoulder flush with ground; 32.20 ft. east of a spike in highway joint 220; 18.33 ft. south of a spike in joint 219; and 44.58 ft. southwest of a spike in joint 218. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 134.311 ft.

MON. 2686: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #40, about 2.65 miles west of Lacey Road at Whitings; flush with ground; 51.63 ft. east of a spike in highway joint 302; 22.84 ft. southwest of a spike in joint 301; and 26.99 ft. southwest of a spike in joint 300. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 154.626 ft.

Ocean County

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GEODETIC CONTROL SURVEY

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DESCRIPTION OF BENCH MARKS

MANCHESTER TWP., OCEAN COUNTY, N. J. On the north side of State Highway Route #40, about at point of intersection of a curve in road to the south and about 3.2 MON. 2687: siles west of Lacey Road at Whitings; 0.2 ft. above ground; 86.49 ft. northeast of a spike in highway joint 1043; 70.37 ft. north of a spike in joint 1041; and 85.20 ft. northwest of a spike in joint 1040. A standard N.J.G.C.S. disk, set in concrete.

MANCHESTER TWF., OCEAN COUNTY N. J. On the southeast side of State Highway Route #40, about 3.65 miles west of Lacey Road at Whitings; flush with ground; 43.24 ft. east of a spike in highway joint 449; 26.29 ft. southeast of a spike in joint 446; and 43.45 ft. southwest of a spike in joint 447. A standard N.J.G.C.S. disk, set in coronate. MON. 2658: set in concrete.

Elevation: 122,277 ft.

Elevation: 119.712 ft.

MON. 5218:

MANCHESTER TWP., OCEAN GOUNTY, N. J. On the south side of State Highway Route \$40, just west of the road to the Beaver Dam Cranberry Co., about 9.75 miles southwest of Lake St. in Lakehurst; 13.20 ft. south of drill hole in south side of pavement; 12.07 ft. southwest of the southwest corner of highway slab #522; and 35.46 ft. southeast of the southeast corner of highway slab #524. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 117.081 ft.

MON. 5219: MANCHESTER TWP., OCEAN COUNTY N. J. On the south side of State Highway Route #40, opposite highway slab #573, and about 0.8 miles east of the fork of the road, also about 10.1 miles southwest of take St. in Lakehurst; 14.19 ft. south of drill hole in pavement edge; 21.92 ft, southwest of the southwest corner of highway slab #572; and 21.55 ft. southeast of the southeast corner of highway slab #574, A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 115,604 ft.

Ocean County Burlington County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 2669: MANCHESTER TWP., OCEAN COUNTY, N. J. On the southeast side of State Highway Route #40, about 4.85 miles west of Lacey Road at Whitings; and about 0.2 mile east of Ocean County-Burlington County Line; flush with shoulder; 47.97 ft. northeast of a spike in Highway joint 627; 24.98 ft. southeast of a spike in Highway joint 626; and 36.13 ft. southwest of a spike in Highway joint 625; all spikes in southeast ends of joints. A standard N.J. O.C.S. disk, set in concrete.

Elevation: 112.452 ft.

MON. 2690: PEMBERTON TWP., BURLINGTON CO., N. J. On south side of branch road lesding to Browns Mills, about 0.2 mile west of Ocean-Burlington County line, and about 100 ft. west of junction of State Highway Route #40, and road to Browns Mills; flush with ground; 13.24 ft. east of a U. S. Army BM st fork of road; 71.14 ft. west of spike in Highway joint next to and northeast of Highway joint 1105; 60.05 ft. northwest of a spike in Highway joint 1105; and 67.09 ft. north of a spike in Highway joint next to end south of Highway joint 1105; all spikes in northwest ends of joints. A standard N.J.G.C.S. disk, set in concrete.

MON. 2691: PEMBERTON TWP., BURLINGTON CO., N. J. On the south side of Route #40, about 0.6 miles west of Ocean-Burlington County line at southeast corner of bridge over Pole Bridge Branch; 0.4 ft. below road shoulder; 2.36 ft. east of a cross cut in south iron curb; 13.44 ft. southeast of a spike in south edge of concrete paving at east end of bridge; and 25.54 ft. southwest of a spike in highway joint 1164. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 101.254 ft.

Elevation: 108.334 ft.

MON. 2692: PEMBERTON TWP., BURLINGTON CO., N. J. On the south side of Route #40, about 1.1 miles west of Ocean-Burlington County line; 0.3 ft. below ground; 37.15 ft. southeast of a spike in highway joint 986; 13.32 ft. south of a spike in joint 987; and 36.43 ft. southwest of a spike in joint 988. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 102,703 ft.

Burlington County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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MON. 2693: PEMBERTON TWP., BURLINGTON COUNTY, N. J. On the south side of Route #40, about 1.45 miles west of Ocean-Burlington County line; fluch with ground; 49,47 ft. east of a spike in highway joint 929; 24,44 ft. southeast of a spike in joint 930; and 33.02 ft. southwest of a spike in joint 931; all spikes in south ends of joints. A standard N.J.G.C.S. disk, set in concrete. 101.647 ft. Llevation:

MON. 2694: PEMBERTON TWP., BURLINGTON COUNTY, N. J. On the south side of Route #40, about 1.8 miles west of Ocean-Burlington County Line, and just east of a sand cross road; 0.3 ft. below ground; 51.29 ft. east of a spike in highway joint \$82; 22.92 ft. southeast of a spike in joint \$83; and 27.94 ft. southwest of a spike in joint \$83; and 27.94 ft. southwest of a spike in joint \$83; and 27.94 ft. southwest of a spike in joint \$84. A standard N.J.C.C.S. disk, set in concrete.

PEMBERTON TWP., BURLINGTON COUNTY, N. J. On the north side of Route #40, about 2.25 miles southwest of the MON. 2695: Ocean-Burlington County line, on a fill to the approach of a bridge over P.R.R. and on a curve to the south in shoulder; 0.3 ft.below shoulder;38.00 ft. northeast of a spike in highway joint 811%; 13.17 ft. northwest of a spike in joint 812%; and 35.80 ft.west of a spike in joint 813%. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 96.806 ft.

PEMBERTON TWP., BURLINGTON COUNTY, N. J. On the north-west side of Route #40, about 2.55 miles southwest of Ocean-Burlington County line, near northeast side of bridge over P.R.R.; 5.43 ft. northeast of a cross cut in northwest iron curb; 27.55 ft. southwest of a spike in northwest end of highway joint next and northeast of bridge; 4.70 ft. north of a spike in northwest edge MON. 2696: of concrete highway where it joing the bridge. A standard M.J.G.C.B. disk, set in concrete. Elevation: 119.095 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Burlington County

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W-20: UPTON, BURLINGTON COUNTY, N. J. About 8.1 miles west of the Penna. Railroad Station at Whiting, at Upton Station crossing of State Highway #40; 9 rails west of overhead railroad crossing; north of track and in signal mast footing; 500 ft. east of station at an old abandoned mill. A standard U.S.C.& G.S. disk, stamped "W-20-1935", set in a concrete signal base.

Elevation: 92.638 ft.

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GEODETIC CONTROL SURVEY

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1940

Ocean County

MARKS OCE+R, page 1

DESCRIPTION OF BENCH MARKS

STARTING IE BORD. OF LAKEHURST, MANCHESTER TOWNSHIP, OCEAN COUNTY, AND THE JUNCTION OF STATE HIGHWAY ROUTES \$37 AND \$ 14 C, AND RUNNING THENGE SOUTH*ESTERLY ALONG STATE HIGHWAY ROUTE \$ 14 O TO LACEY ROAD, MANCHESTER TOWNSHIP, THENCE SOUTHEASTERLY ALONG LACEY ROAD TO THE PENNSYLVANIA RAILROAD CROSSING, WHITINGS, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S.COAST AND GEODETIC SURVEY.

- MON. 2639; BORD. OF LAKEHURST, OCEAN COUNTY, N. J. O.9 mile west of R. R. at Lakehurst, in traffic circle at junction of State Routes #37 & #40, O.3 ft. above ground; 96.42 ft. west of north drill hole; 74.62 ft. west of middle drill hole and 95.57 ft. north of south drill hole; all drill holes located in southeast curb of traffic circle. A standard N.J.G. C.S. disk, set in concrete.
- RV. 5281: BORO. OF LAKEHURST, OCEAN COUNTY, N. J. On the north side of old State Highway Route #40, at the west end of the borough and about 0.45 miles west of Lake Street; 69.38 ft. southwest of and 70.73 ft. southeast of the front corners of a White Stucco House; and 0.95 ft. east of the west end of the south curbing of the walk leading to the terrace on the east side of the above mentioned White Stucco House. A standard monel metal rivet, set in concrete.

 Elevation: 71.035 ft.
- RV. 5282: MANCHESTER TWP., OCEAN COUNTY, N. J. At the northeast corner of a new Highway Bridge on Route #40, about 0.3 mile west of new traffic circle, west of Lakehurst and 1.2 miles east of railroad at Lakehurst; 5.85 ft. from a cross cut under the figure 1 of 1938, and 2.18 ft. from a cross cut in steel curb edging. A standard monel metal rivet, set in concrete. Elevation: 69.723 ft.

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Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 5210: MANCHESTER TWP., OCEAN COUNTY, N. J. In the east end of a culvert header on the east side of Route #40, one mile southwest of circle at Lakehurst; 24.15 ft. south of road at joint #0563 of State Highway Route #40. A standard monel metal rivet, set in concrete.

Elevation: 71.110 ft.

MON. 5210: MANCHESTER TWP., OCEAN COUNTY, N. J. On the north-west side of State Highway Route #40, opposite highway slab #0721, about 1.8 miles southwest of Lake Street in Lakehurst; 21.82 ft. northwest of the edge of the pavement; 16.28 ft. northwest of a tack in pole #MC-31; and 36.05 ft. northwest of the centerline of the road at the northeast joint of highway slab #0721. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

Elevation: 79.571 ft.

MON. 5211: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northwest side of State Highway Route #40, opposite highway slab #0443, about 2.1 miles southwest of Lake St. in Lakehurst; 13.0 ft. northwest of the edge of the pavement; 4.13 ft. southeast of a tack in pole #MC-38; and 23.89 ft. northwest of the centerline of the road at the southwest joint of highway slab #0443. A standard U.S.C.& G.S. & S.S. disk, set in concrete. Elevation: 78.733 ft.

MON. 2621: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of Route #40, 3.35 miles southwest of R. R. at Lakehurst, on top of a 4 ft. bank, 0.2 ft. above surface; 43.18 ft. east of a drill hole near pavement joint A457; 33.37 ft. southeast of drill hole near paving joint A458; and 52.45 ft. south of a drill hole near paving joint A459; all drill holes being on eact side of concrete paving. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 94.927 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 5211: MANCHESTER TWP., OCEAN COUNTY, N. J. At forks of a road, 1.75 miles southwest of circle at Lakehurst; 16.74 ft. southeast edge of concrete highway Route #40 at a Junction of joint numbers A437 & A438, opposite pole #MC56. A standard monel metal rivet, set in concrete. Elevation: 94.527 ft.

MON. 2622: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northwest side of State Route #40, 3.75 miles southwest of R.R. at Lakehurst, just northeast of a sand road leading northwest, set to grade of road 0.5 ft. above surface; 40.71 ft. north of a drill hole near paving joint 0254; 31.12 ft. northwest of drill hole near paving joint 0255 and 38.57 ft. southwest of drill hole near paving joint 0256; all drill holes being on west side of concrete paving. A standard N.J.G.C.S. disk, set in concrete. Elevation: 95.132 ft.

MON. 5212: MANCHESTER TWP., OCEAN COUNTY, N. J. On southeast side of State Highway Route #40, about 3.8 miles southwest of Lake St. in Lakehurst, within the V formed by the junction of State Highway Route #40 and road to Whitings; 44.77 ft. southwest of the southwest corner of a catchbasin on east side of road to Whitings; 14.0 ft. southwest of spike in centerline of same road; 13.35 ft. southeast of the southeast corner of a catch-basin and 13.65 ft. east of a road sign both on southeast side of Route #40. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 119.722 ft.

MON. 5287: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northwest side of State Highway Route \$40, about \$4.1 miles southwest of Lake St. in Lakehurst; and 0.3 ft. southwest of junction of road to Whitings and StateHighway Route \$40, 2 inches below surface of paving; 17.62 ft. northwest of drill hole on northwest edge of concrete paving; 25.03 ft. north of slab joint \$275; and 24.65 ft. west of slab joint \$276; and 55.31 ft. southwest of pole \$MC-50. A standard U.S.C.& G.S.& B.S. disk, set in concrete.

Elevation: 125.795 ft.

MEN JERSEY

Ocean County

GEODETIC CONTROL SURVEY

1940

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DESCRIPTION OF BENCH MARKS

MANCHESTER TWP., OCEAN COUNTY, W. J. On the south side of State Route \$40, 5.25 miles southwest of R.R. at Lakehurst, about 100 ft. northeast of a Gas Station and road stand on the south side of the highway, 0.2 ft. above the surface; 47.29 ft. east of a drill hole near paving joint 073; 33.43 ft. southeast of a drill hole near paving joint \$074; and 38.58 ft. south of a drill hole near paving joint \$075; all drill holes on southeast side of highway. A standard W.J.G.C.S. disk, set in concrete.

Elevation: 131.734 ft.

MON. 2624: MANCHESTER TWP., OCEAN COUNTY.,N. J. On the northwest side of State Route #40, 5.55 miles southwest of Rail-road at Lakehurst, opposite a new road leading southward, 0.4 ft. below surface; 12.91 ft. northeast of pole #MC-99; 23.42 ft. north of a drill hole near paying joint #0605; 17.99 ft. northwest of a drill hole; and 31.61 ft. west of a drill hole at paying joint #0606, all drill holes being on northwest side of highway. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 142.111 ft.

MON. 5214: MANCHESTER TWP., OCEAN COUNTY N. J. At southeast corner of intersection State Highway Route #40 and Lacey Road, 8.39 ft. east of a tack in northeast corner of Easo Gas Station, and 0.3 ft. below aurface; 65.97 ft. east of a drill hole near paving joint #B-104; 47.35 ft. south of a drill hole near paving joint #B-106; and 70.26 ft. south of a drill hole near paving joint #B-107; all drill holes being on south side of Highway. A standard B.S.C.& G.S.& S.S. disk, set in concrete.

MON 2625: MANCHESTER TWP., OCEAN COUNTY, N. J. On the west side of Lacey Road, 0.25 miles south of State Route #40, 0.3 ft. above surface; 27.15 ft. moutheast of pole #MC-6; 25.44 ft. south of a spike in westerly edge of oiled gravel pavement; 17.82 ft. southwest of and opposite a spike in approximate centerline of Lacey Road; and 22.70 ft. northwest of a spike in westerly edge of oiled gravel pavement. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 163.829 ft.

PEW JERSEY

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County

1980

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MON. 2626: MANCHESTER TWP., OCEAN COUNTY, H. J. On the southwest side of Lacey Road, O.5 miles southeast of State Route #40, Q.3 ft. above surface; 43.24 ft. northwest of Pole #MC-13; 20.00 ft. south of a spike in southerly edge of oiled gravel paving; 23.00 ft. southwest of and opposite a spike in the approximate canterline of Lacey Road; and 19.57 ft. east of a spike in southerly edge of oiled gravel paving. A standard N.J.G.C.S. disk, set in concrete Elevation; 167.362 ft.

MON. 2627: MANCHESTER TWP., OCEAN COUNTY, N. J. On south side of Lacey Road, 0.55 miles east of State Route #40 near C. R. R., set to grade of road, 0.2 ft. above surface; 46.18 ft. southeast of pole #MC-24; 42.44 ft. northwest of west rail of C. R. R.; 7.70 ft. north of a mail in 18 inch Elm; and 13.53 ft. east of approximate centerline of gravel road leading south. A standard N.J.G.C.S. disk, set in concrete,

Elevation: 173.494 ft.

V-20 WHITING, OCEAN COUNTY N. J. At Whiting, 270 ft. south of station on Penna, Railroad, 30 ft. northeast of track in pole line; 12 ft. south of a pole. A standard U.S.C. G.S. disk, stamped "V-20-1935", set in a concrete post.

Elevation: 170.124 ft.

TIE TO N.J.G.S. BENCH MARK:

N.J.G.S. WHITINGS, OCEAN COUNTY, N.J. This monument (No. 16) is located at the cross-roads in Whitings, where the road, New Egypt to Toms River, crosses the road running along the west side of the New Jersey Southern railroad from Woodmansie to Manchester. It is set in the center line of the former road, and in line with the trees planted along the west side of the latter road, between the side-walk and wagon track. It is \$1.5 ft. southwest of the southwest corner of Mr. Wright's store; Il ft. from the west line of the street running nearly north and south; 85. ft. to center of the main track of the New Jersey Southern railroad; 21. ft. to center of nearest maple tree of the row on the north; \$5.4 ft. to center of next; 21.7 ft. to center of nearest maple tree of the row on the south, and \$6.9 ft. to the next. The top of this monument is below the surface.

Elevation: 173.295 ft.

GEODETIC CONTROL SURVEY

Ocean County

1940

DESCRIPTION OF BENCH MARKS

OCE-8, page 1

STARTING IN TOMS RIVER, DOVER TOWNSHIP, OCEAN COUNTY, AT THE INTERSECTION OF STATE HIGHWAY ROUTES #4 AND #37, AND RUNNING THENCE NORTHWESTERLY ALONG STATE HIGHWAY ROUTE #37, THROUGH DOVER AND BERKELEY TOWNSHIPS TO THE JUNCTION OF STATE HIGHWAY ROUTES #37 AND #40, BORO. OF LAKEHURST, MANCHESTER TOWNSHIP, AND AN INTERMEDIATE RUN STARTING IN BORO. OF LAKEHURST, MANCHESTER TOWNSHIP, AT THE JUNCTION OF STATE HIGHWAY ROUTE #47 AND #40, AND RUNNING THENCE EASTERLY ALONG STATE HIGHWAY ROUTE #40 TO COUNTY ROUTE #45, SAME LOCALITY, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

MON.2227: TOMB RIVER, DOVER TWP., OCEAN COUNTY, N. J. On the southwest corner of the proposed circle and 34.18 ft. acuth of the present edge of the pavement of State Highway Route #37, about 0.7 miles north of the Toms River Post Office on State Highway Route #37 at the intersection with State Highway Route #4; 5.75 ft. east of a stone monument; 35.35 ft. southeast of the Joint between pavement slabs 340 and 339; 34.18 ft. south of the edge of the pavement; 43.33 ft. southwest of the joint between pavement alabs 379 and 338; and 79.59 ft. northeast of the northeast corner of Gaskill's Road-stand. A standard U.S.C.& G.S.& S.S. disk. set in concrete.

U.S.C.& C.S.& S.S. disk, set in concrete. Elevation: 33.575 ft.

Elevation: 12,343 ft.

MON.5256: DOVER TWP., OCEAN COUNTY, M. J. On the south side of State Highway Route #37, about 0.65 miles west of Route #4 and at the east end of the concrete bridge over the north branch of Toms River, flush with the ground; 12.60 ft. southwest of the southerly edge of the concrete pavement; 9.40 ft. east of the northeast corner of the parapet well on the south side of the bridge; 45.43 ft. south of the southeast corner of the parapet wall on the north side of the bridge. A standard U.S.C.& G.S.& S.B. disk, set in concrete.

NEW JERSEY GEOLOGICAL SURVEY

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

1940

OCE-S, page 2

- RV. 5200: TOMS RIVER, DOVER TWP., OCEAR COUNTY, M. J. In concrete abutment of bridge over north branch of the Toms River at the northeast corner, 0.6 miles west of Route #4 on Route #37. A standard monel metal rivet,

 Elevation: 12.974 ft.
- MON. 5257: DOVER TWP., OCEAN COUNTY, H. J. On the south side of State Highway Route #37, about 1.0 mile west of Route #4 and about 0.35 miles west of the bridge over the north branch of Toms River, flush with the ground; 37.30 ft. southwest of the southeast corner of slab #535; 12.75 ft. south of the southerly edge of the concrete pavement at the joint between slab #535 and #534; 37.57 ft. southeast of the southwest corner of slab #534. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 31.063 ft.
- RV. 5201: TOMS RIVER, DOVER TWP., OCEAN COUNTY, N. J. On the north side of Route #37, 1.1 miles west of Route #4 at Toms River, in a culvert header at north end; 35.55 ft. north of centerline. A standard monel metal rivet, set in concrete.

 Elevation: 40.685 ft.
- MON. 5202: BERKELEY TWP., OCEAN COUNTY, M. J. On the southwest side of State Highway Route #37, at its junction with the old road to Toms River, (Co. Route #15), about 1.5 miles west of State Highway Route #4; 27.4 ft. southwest of the centerline of the old road, 63.90 ft. southeast of a tack in a pole; and about 50.ft. northwest of a pole #DV-110. A standard U.S.C.& G.S.& B.S. disk, set in concrete. Elevation: 46.257 ft.
- MON. 5203: BERKELEY TWP., OCEAN COUNTY N. J. On the northeast side of State Highway Route #37, about 1.75 miles northwest of StateHighway Route #4 in Toms River, opposite highway slab #658; 11.61 ft. southwest of a pole #DV-138; 33.55 ft. north of the centerline of the road at the joint; and 38.43 ft. east of the centerline of the road at the joint. A standard U.S.C.& G.S.& S.S. disk, set in converte.

 Elevation: 53.469 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

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- RV. 5202; TOMS RIVER, DOVER TWP., OCEAN COUNTY, N. J. On north side of Route #37, 3/4 miles west of intersection with W.Water St. to Toma River; 30.55 ft. north of centerline of concrete and 37.77 ft. northwest of J.C.P.& L.Pole No. D.V.151; in a culvert header. A standard monel metal rivet, set in concrete.

 Elevation: 44.362 ft.
- MON. 5259: DOVER TWP., OCEAN COUNTY, N. J. On the north side of State Highway Route #37, about 2.45 miles west of Route #4, flush with the ground; 11.80 ft. west of pole #DV+159 39.65 ft. northwest of the northwest corner of slab #565; 18.35 ft. north of the northerly edge of the concrete pavement at the joint between slabs #565 and #564; 36.60 ft. northeast of the northwest corner of slab #564. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 44.944 ft.
- RV. 5203: DOVER TWP., OCEAN COUNTY, N. J. In a concrete culvert header on north side of Route #37, 12 miles west of intersection with W.Water St.; 20.43 ft. north of edge of concrete in block #533. A standard monel metal rivet, set in concrete.

 Elevation: 46.122 ft.
- MON. 5260: DOVER TWP., OCEAN COUNTY, N. J. On the north side of State Highway Route #37, about 2.8 miles west of Route #4 and about opposite Newberry Lumber Co. sign; 36.60 ft. northwest of the northeast corner of slab #513; 12.25 ft. north of the northerly edge of concrete pavement at the joint between slabs #513 and #512; 34,70 ft. northeast of the northwest corner of slab #512. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 46.663 ft.
- MON. 5261: DOVER TWP., OCEAN COUNTY, N. J. On the south-side of State Highway Route #37, 3.15 miles west of Route #4, flush with the ground; 39.30 ft. southeast of the south-west corner of slab #462; 16.85 ft. south of the southerly edge of the concrete pavement at the joint between slabs #462 and #463; 37.0 ft. southwest of the southeast corner of slab #463. A standard U.S.C.& G.S. &S.S. disk, set in concrete.

 Elevation: 44.590 ft.

HEN JERSEY

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-S, page 4

RV. 5204: DOVER TWP., OCEAN COUNTY N. J. In a concrete header on north side of Route #37, block #440 on north side of end of a guard rail; 25.03 ft. north of edge of concrete; about 0.5 mile east of Manchester Township Line and about 3.4 miles west of State Righway Route #4. A standard monel metal rivet, set in concrete, Elevation: 40.969 ft.

MON. 5262: DOVER TWF., OCEAN COUNTY, N. J. On the south side of State Highway Route #37, about 3.5 miles west of Route #4 and opposite a concrete culvert head; flush with the ground; 34.90 ft. southeast of the southwest corner of slab #407; 15.25 ft. south of the southerly edge of the concrete pavement at the joint between slabs #407 and #408; 40.0 ft. southwest of the southeast corner of slab #408. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 48,322 ft.

MON. 5204: BERKELEY TWP., OCEAN COUNTY, N. J. On the northeast side of State Highway Route #37, about 3.5 miles northwest of State Highway Route #4 in Toma River, also about 1500.ft. southeast of the entrance to Pine Lake Park; 12, ft. northeast of the edge of the pavement; 23,26 ft. southwest of a pine tree; and 30,05 ft. northwest of the east corner of highway slab #352. A standard U.S.C.& 9.8.&S. 5. disk, set in concrete.

Elevation: 55.181 ft.

MON. 5205: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northeast side of State Highway Route #37, at the entrance to Pine Lake Park, about 4.1 miles northwest of State Highway Route #4 in Toms River; 4 inches below ground; 15, ft. northeast of the edge of the pavement; 25.64 ft. north of the centerline of the road at the southeast joint of highway slab #305; and 32.26 ft. east of the centerline of the road at the northwest joint of the same slab. A standard U.S.C.& U.S.& S.&, disk, set in concrete. Elevation: 58.273 ft.

Ocean County

GEODETIC CONTROL SURVEY

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DESCRIPTION OF BENCH MARKS

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- RV. 5205: MANCHESTER TWP., OCEAN COUNTY, N. J. In east end of a concrete culvert header on north side of Route #37; \$ mile west of entrance to Pine Lake Park; 26,61 ft. north from edge of concrete, block #249. A standard monel metal rivet, set in concrete.

 Elevation: 62.343 ft.
- MON. 5263: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of State Highway Route #37, about 4.85 miles west of Route #4 and about 1000 ft. east of the Chinese farm-house; flush with the ground; 39.55 ft. southeast of the southwest corner of slab #206; 19.60 ft. southwest of the mentherly edge of the concrete pavement at the joint between slabs #200 and #207; 39.60 ft. southwest of the southeast corner of slab #207. A standard U.S.C. & G.S. & S.S. disk, set in concrete, Elevation: 77.661 ft.
- RV. 5206: MANCHESTER TWP., OCEAN COUNTY, N. J. In east end of a culvert header on north side of Route #37, 1 mile west of entrance to Pine Lake Park; 20.38 ft. north of edge of Highway block #181. A standard monel metal rivet, set in concrete.

 Elevation: 75.055 ft.
- MON. 5264: MANCHESTER TWP., OCEAN COUNTY N. J. On the south side of State Highway Route #37, about 5.3 miles west of Route #4 and about 1000 west of the Chinese farm-house; flush with the ground; 39.20 ft southeast of the southwest corner of slab #135; 17.12 ft. south of the southerly edge of concrete pavement at the joint between slabs #135 and #139; 39.30 ft. southwest of the southeast corner of slab #139. A standard.U.S.C.& G.S.& S.B. disk, set in concrete.

 Elevation: 52.090 ft.
- MON. 5265: MANCHESTER TEP., OGEAN COURTY N. J. On the north side of State Highway Route #37, about 5.6 miles west of Route #4 and about 1800 ft. east of a cemetery; flush with the ground; 37.90 ft. northeast of the northwest corner of slab #95; 16.0 ft. north of the northerly edge of concrete payment at the joint between slabs #95 and #96; 37.80 ft. northwest of the northeast corner of slab #96. A standard U.S.C.& G.S.& S.S. disk, set in concrete Elevation: 85.241 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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RV. 5207: MANCHESTER TWP., OCEAN COUNTY, N. J. In east end of a culvert header on north side of Route #37, lightle west of entrance to Pine Lake Park; 26.71 ft. north of edge of concrete block #80. A standard monel metal rivet, set in concrete.

Elevation: 80.791 ft.

MON. 5206: MANCHESTER TWP., OCEAN COUNTY, N. J. On the south side of Route #37, about 6.1 miles northwest from intersection of Route #4 and #37 at Toms River, about 0.8 miles south east of R. R. crossing at Lakehurst; flush with ground; 44.12 ft. south of a spike in south edge of concrete paving at joint 11-12; 24.50 ft. southwest of and opposite a spike in south edge of paving joint 12-13; 45.66 ft. west of a spike in south edge of paving at joint 13-14; and 7.45 ft. northwest of a highway monument at P.C. of curve. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 69.550 ft.

MON. 5207: MANCHESTER TWP., OCEAN COUNTY, N. J. On the north side of Route #37, about 0.5 miles southeast of R. R. cross-ing at Lakehurst, and about 290 ft. east of a concrete bridge over the Union Branch of the Tome River; 3 inches below ground; 32.99 ft. northeast of a spike in centerline of concrete at west end of concrete slab #43L; 16.23 ft. north and opposite a drill hole in north edge of concrete paving; and 44.49 ft northwest of a spike in centerline of concrete at east end of concrete slab #43L. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

RV. 5248: MANCHESTER TWP., OCEAN COUNTY, N. J. In northeast corner of concrete bridge, 0.55 miles east of C. R. R. of New Jersey tracks in Lakehurst. Bridge crosses the Union Branch of Toms River and the rivet as set directly under the number 4 in the date of bridge construction. A standard monel metal rivet, set in concrete.

Elevation: 53.061.ft.

MON. 5235; MANCHESTER TWF., OCEAN COUNTY, M. J. On the north side of Route #37, at intersection of connecting to Route #40, about 0.35 miles cast of R. R crossing at Lakehurst; & inches below ground; 57.75 ft, northeast of a spike in north edge of concrete paving at joint #753; 52.27 ft, east of a spike in base of pole #1767; 43.12 ft. north of and opposite a spike in centerline of paving between joints #783 and #782; and 30.08 ft. northwest of a spike in north edge of concrete paving at joint #782. A standard M.J.G.C.S. disk, set in concrete.

Elevation: 59.097 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-S, page 7

BORO. OF LAKEHURST, OCEAN COUNTY N. J. On north side of Route #37, about 100 ft. east of R. R. crossing, opposite a vacant feed store; 4 inches below ground; 49.09 ft. east of the stem of a hydrant; 44.95 ft. southeast of the southwest corner of, and 23.47 ft. south of the southeast MON. 5250: corner of the feed store; and 21.38 ft. north of a spike in centerline of oiled gravel road (Route #37). A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 65.819 ft.

BORG. OF LAKEHURST, OCEAN COUNTY, N. J. At the southwest corner of Union Ave. and Center St.; flush with ground; MON. 5208: 5.17 ft. south of a chisel mark in curb; 3.33 ft. south-west of a chisel mark in curb return; 33.45 ft. west of a tack in pole #LT-5-JB; 1.41 ft west of a chisel mark in west curb of Center St.; and 14.22 ft. northeast of an iron fence corner. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

BORO. OF LAKEHURST, MANCHESTER TWP., OCEAN COUNTY, N. J. MON. 5209: On the southeast corner opposite the Pine Tree Inn, at the intersection of Lake and Union Sts.; 9.35 ft. northeast of the southeast corner of a culvert; and 7.20 ft. southeast of a tack in pole #LT-48. A standard U.S.C.& G.3.& S.S. disk, set in concrete. Elevation: 66,922 ft.

Elevation: 68,100 ft.

BORO. OF LAKEHURST, OCEAN COUNTY N. J. In traffic circle at junction of State Highway Routes #37 & #40, 0.9 mile MON. 2639: west of R. R. at Lakehurst; 0.3 ft. above ground; 96.42 ft. west of north drill hole; 74.62 ft. west of middle drill hole and 95.57 ft. north of south drill hole; all drill holes located in southeast curb of traffic circle. A standard N.J.G.C.S. disk, set in concrete. Elevation: 73.987 ft.

SPUR RUN: MON. 5250 TO LAKEHURST:

R. M. #2-LAKEHURST: LAKEHURST, OCEAN COUNTY, N. J. About 0.4 mile
west of a road leading northerly from State Highway Route
#37 in the center of the town of Lakehurst, Ocean County,
through the U.S. Navel Air Reservation to County Route
#6 in Lakewood Township same County and also about 0.8 mile north of the center of Lakehurst; at the north edge of the concrete agron of the west end of a hangar, flush with apron; 95.01 ft, northwest of the northwest corner of the hanger; 19.07 ft. west of the northwest corner of the concrete apron; 6.06 ft. south of th south edge of the concrete walk paralleling the north side of the hangar; and about 0.2 mile south of triangulation station Lake-hurst. A standard U.S.C. & G.S. reference work disk. set in concrete plevation: 95.120 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County

1940

OCE-S, page 5

LAKERURSY:

LAKEHURST, OCEAN COUNTY, N. J. On the grounds of the U.S. Naval Air Station, about 1 mile north of the center of the town of Lakehurst; about 1/2mile west of a road leading northerly from State Highway Route #37 in the center of Lakehurst through the U. S. Naval Air Reservation to County Route #6, Lakewood Township same County; on elevated ground between two water tanks north of the hangar and southwest of the power house; \$2.07 ft. south-east of tell water tank (center-pipe); 49.09 ft. westsouthwest of squat water tank (aluminum painted) centerpipe; 62.0 ft. northeast of the centerline of road; about 0.25 mile north of hangar and about 984 ft. southwest of power house; referred to reference mark #1 which is 124.8 ft. southeast of station and 24.0 ft. southwest of the centerline of the road and to R.M.#3 which is 92.73 ft. northwest of the station and drilled in the east corner of the southwest concrete foundation of the tall water. tank; 24.06 ft. southwest of the center-pipe of the tall water tank; both references marks being standard U.S.C.& G.S. reference marks disks, set in concrete. A standard U.S.C.& G.S. triengulation disk, set in concrete. Elevation: 100,403 ft.

END OF SPUR RUN

TIE RUN FROM R.M.#2 LAKEHURST TO U.S.G.S.83.666: U.S.G.S. 83.666: LAKEHURST, OCEAN COUNTY, N. J. From junction of Caseville Road and Roberts Road, about 1.43 miles southwest; in top of concrete post; s pronze tablet stamped "N.J.B.M. 84"

NJGCSElevation: 83.364 ft.

END OF THE RUN

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF SENCH MARKS

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OCE-S, page 9

INTERMEDIATE RUN: MON. 2639 TO MON. 2676:
MON. 2580: BORO. OF LAKEHURST, OCEAN COUNTY, N. J. At the north-west corner of State Highway Route #40 and Lilac St., about 0.9 miles west of bridge over Central Railroad; fluch with ground; 87.67 ft. northwest of a spike in west edge of highway joint #606; 94.39 ft. southeast of stem of a hydrant on south side of Lilac St. west of Route #40; 77.93 ft. southwest of a spike in west edge of highway joint #359. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 71.504 ft.

MON. 2679: BORO. OF LAKEHURST, OCEAN COUNTY N. J. On north side of State Highway Route #40, about 0.7 mile west of bridge over Central Railroad; flush with ground; 91,84 ft. east of a spike in north edge of highway joint #203; 91.07 ft. northwest of a spike in north edge of highway joint #205; end 71.15 ft. opposite and north of a spike in north edge of highway joint #204. A standard N.J.G. C.S. disk, set in concrete. Elevation: 72.257 ft.

MON. 2678: BORO. OF LAKEHURST, OCEAN COUNTY, N. J. At the north-west corner of State Highway Route #40 and Orchard St., about 0.5 miles west of bridge over Central Railroad; flush with ground; 83.87 ft. northeast of a spike in the centerline of Route #40 at highway joint #413; 92.48 ft. northwest of a spike in centerline of Route #40 at joint #414. A standard N.J.O.C.S. disk, set in concrete. Elevation: 69.358 ft.

BORO. OF LAKEHURST, OCEAN COUNTY, N. J. In a small traffic circle at the junction of State Highway Route #40, and road leading from Lakehurst to Naval Air Station, 0.25 miles west of bridge over Central Railroad; flush with ground; 18.58 ft. east of a spike in a joint in northwest part of ourb to circle; 2.33 ft. southeast of a cross out in same curb; 2.40 ft. southwest of another cross cut in east portion of curb; 13.55 ft. northwest of a spike in southwest next of curb MON. 2676: 13.55 ft., northwest of a spike in southwest pert of curb.
A standard N.J.G.C.S. disk, set in concrete.
Elevation: 56.210 ft.

END OF INTERMEDIATE RUN

Ocean County

NEW JERSEY

GEODETIC CONTROL SURVEY DESCRIPTION OF BENCH MARKS

1940

OCE-T, page 1

STARTING IN BERKELEY TOWNSHIP, OCEAN COUNTY, ON STATE HIGHWAY ROUTE NO. 37 ABOUT 1.75 MILES NORTHWEST OF ITS INTERSECTION WITH STATE HIGHWAY ROUTE NO. 4 IN TOWS RIVER AND RUNNING THENCE EASTERLY ALONG STATE HIGHWAY ROUTE #37 TO WEST WATER STREET, DOVER TOWNSHIP, THENCE SOUTHEASTERLY ALONG WEST WATER STREET TO MAIN STREET, TOWS RIVER, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U.S. COAST AND GEODETIC SURVEY.

MON. 5203: BERKELEY TWP., OCEAN COUNTY, N. J. On the northeast side of State Highway Route #37, opposite highway slab #658, about 1.75 miles northwest of State Highway Route #4 in Toms River; 11.61 ft. southwest of a pole #DV-138; 33.55 ft. north of the centerline of the road at the joint; and 35.43 ft. east of the centerline of the road at the joint. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 53.469 ft.

MON. 2677: DOVER TWP,, OCEAN COUNTY, N.J.Junction Route 37 & Water St., 1.4 mile west of Route #4; 32.44 ft. west of drill hole in concrete; 21.47 ft. west of a spike in center-line of Highway at a joint at south end of block 605; 14.59 ft. southwest of a drill hole in block 605; 63.90 ft. southeast of a tack in an electric light pole, and 3 inches below surface. A standard M.J.G.C.S. disk, set in concrete.

Elevation: 45.876 ft.

MON. 2640: TOMS RIVER, DOVER TWP. OCEAN COUNTY N. J. On the northeast side of Weat Water St., 0.2 mile east of intersection with State Route #37, level with grade; 31.74 ft. east of a spike in centerline of road at joint #36; 31.65 ft. north of a spike in centerline at joint #37; and 17.73 ft. northeast of a drill hole in northeast edge of concrete. A standard M.J.G.C.S. disk, set in concrete.

Elevation: 50.519 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

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OCE-T, page 2

MON. 2641: TOMS RIVER, DOVER TWP., OCRAN COUNTY, N. J. On the south west side of West Water St., 0.5 mile east of its intersection with State Route #37, level with grade; 35.76 ft. south of a spike in the centerline of road at joint #403; 21.17 ft. southwest of a drill hole in southwest edge of concrete; and 31.87 ft. southwest of a spike in centerline of road at joint #404. A standard N.J.G.C.S. disk, let in concrete.

Elevation: 40.775 ft.

MON. 2642: TOMS FIVER, DOVER TWP., OCEAN COUNTY, N. J. On the northeast side of West Water St., opposite Syor Road, 0.85 mile east of State Route #37, level with grade; 23,42 ft. east of a spike in centerline of road at joint #119; 13.89 ft. northeast of a drill hole in northeast edge of concrete; 32.27 ft. north of a spike in centerline of road at joint #120; and 9.64 ft. northwest of pole #45454. A standard N.J.G.C.S. disk, set in concrete Elevation: 34.266 ft.

MON. 2643: TOMS RIVER, DOVER TWP., OCEAN COUNTY, N. J. On the southwest side of West Mater St., 1.25 miles east of State Route #37, 1.0 ft. above grade; 30.16 ft. south, 22.11 ft. southwest, and 32.11 ft. west of three spikes in centerline of oiled gravel road. A standard N.J.G.C. S. disk, set in concrete.

Elevation: 23.401 ft.

MON. 2644: TOMS RIVER, DOVER TWP., OCEAN COUNTY, N. J. On the northeast side of West Water St., 1.45 mile east of State Route #37, level with grade; 19.97 ft. east, 12.78 ft. northeast, and 24.27 ft. northwest of three spikes in centerline of oiled gravel road; and 24.74 ft. northwest of pole #45332. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 8.645 ft.

HER JERSEY

Ocean County

GEODETIC CONTROL MIRVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-T, page 3

MON. 2645: TOMS RIVER, BOVER TWP., OCEAN COUNTY, N. J. On the southwest side of West Water St., 1.55 mile east from State Route #37, level with grade; 24.56 ft. south of a spike in centerline of concrete paving at joint #264; 12.47 ft. southwest of a drill hole in southwest edge of concrete; 30.10 ft. west of a spike in centerline of concrete at joint #266; and between pole #45543 and Guy Pole #38X. A standard N.J.G.G.S. disk, set in concrete.

Elevation: 7.582 ft.

RV. 2235: DOVER TWP., OCEAN COUNTY N. J. At First National Bank, at southeast corner of Main and Water Streets, Toms River, in base of northwest column in bank front, A standard monel metal rivet, set in concrete.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-U, page 1

STARTING IN WHITING, OCEAN COUNTY, AT THE WHITING, STATION ON THE PENNSYLVANIA RAILROAD, AND RUNNING THENCE EASTERLY ALONG THE PENNSYLVANIA RAILROAD TO LACEY ROAD, MANCHESTER TOWNSHIP, THENCE IN A GENERAL SOUTHEASTERLY DIRECTION ALONG LACEY ROAD THROUGH MANCHESTER TOWNSHIP TO STATE HIGHWAY ROUTE #4, FORKED RIVER, LACEY TOWNSHIP, STILL IN OCEAN COUNTY.

STANDARD ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL, BASED ON THE 1929 GENERAL ADJUSTMENT OF THE FIRST ORDER LEVEL NET OF THE U. S. COAST AND GEODETIC SURVEY.

- V-20: WHITING, OCEAN COUNTY, N. J. About 270 ft. south of station on Pennsylvania Railroad; 30 ft. northeast of track in pole line; 12 ft. south of a pole. A standard U.S.C. & G.S. disk, set in concrete and stamped *V-20-1935*.

 Elevation: 170.124 ft.
- MON.5201:MANCHESTER TWP., OCEAN COUNTY, N. J. On Lacey Road, about 1.65 miles southeast of its intersection with State Highway Route #40 and 0.75 miles southeast of Whitings; 6 inches below surface; 18.35 ft. east of the centerline of the road; 9.33 ft. south of a nail in an 8 inch Oak Tree; and about 600. ft. northwest of the road to Kerwick Colony. A standard U.S.C.& G.S. & S.S. disk, set in concrete.
- MON.5200: MANCHESTER TWP., OCEAN COUNTY, N. J. On the east side of Lacey Road, opposite a dim dirt road, about 2.0 miles southeast of its intersection with State Highway Route #40; about 1 mile southeast of Whitings; 17.13 ft. east of the centerline of Lacey Road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 142.783 ft.
- MON. 2628: MANCHESTER TWP., OCEAN COUNTY N. J. On the west side of Lacey Road, 1.60 miles southeast of Central Railroad at Whitings; 0.3 ft. above the ground; 15.52 ft. west of a spike in centerline of road; 19.86 ft. southwest of and 21.65 ft. northwest of 2 spikes in west edge of road (said spikes are 32.73 ft. apart). A standard U.S.C.& G.S.& S.S. disk, set in concrete.

 Elevation: 125.745 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-U, page 2

MON. 2629: MANCHESTER TWP., OCEAN COUNTY, N. J. At an angle on the west side of Lacey Road, 2.00 miles southesst of Central Railroad crossing at Whitesville, 0.3 ft. above the surface; 32.90 ft. south of a stone marker at intersection of north side of a dim road and Lacey Road; 29.11 ft southwest of a spike in centerline of Lacey Road; 33.09 ft. south and 29.46 ft. west of 2 spikes in west edge of road (said spikes are 37.17 ft. apart). A standard U.S. C. & G.S.& S.S. disk, set in concrete.

Elevation: 118.736 ft.

RV. 2296: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northeast side of Lacey Road, 3.05 miles southeast of Route #40, 500 ft. southeast of Mon. 2629; 16.5 ft. northeast of a spike in centerline of road, number painted in black on top of monument, flush with surface. A standard monel metal rivet, set in concrete.

Elevation: 117.976 ft.

MON. 2299: MANCHESTER TWP., OCEAN COUNTY, N. J. On the northeast side of the Forked River-Whitings Road (Co. Route #33), on the farm of Rufus Hausback, and near the driveway, about 2.6 miles southeast of its intersection with State Highway Route #40, 8 inches below surface; 20.15 ft. northeast of the centerline of the Forked River-Whitings Road; 5.2 ft. south of a tack in a large Mock Orange Tree; and about 75. ft. south of the centerline of the driveway. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 103.188 ft.

MON. 2298: MANCHESTER TWP., OCEAN COUNTY, N. J. On the southeast point of a side road to Kerwick Grove and opposite a swamp on the Forked River-Whitings Road, (Co. Route #33), about 2.9 miles southeast of its intersection with State Highway Route #40, 6 inches below surface; 19.5 ft. east of the centerline of the Whitings-Forked River Road; and 19.17 ft. northeast of an end guard rail post. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 101.556 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

OUE-U, page 3

DESCRIPTION OF BENCH MARKS

LACEY TWP., OCEAN COUNTY, N. J. On the west side of Lacey Road, 3.80 miles southeast of Central Railroad at Whitings, just south of a guard rail, 0.3 ft. above ground; 71.94 ft. southwest of a spike in the centerline of Lacey Road; 30.98 ft. south of R.M. and 26.75 ft. west of R. M. (said R.Ms are 27.87 ft. apart). A standard N. J. G. C. S. disc. set in noncrete. MON. 2630: standard N.J.G.C.S. disk, set in concrete. Elevation: 105.786 ft.

RV. 2295: LACEY TWP., OCEAN COUNTY, N. J. On the southwest side of Larrey Rosd, 5.05 miles southeast of Route #40, 670 ft. southeast of Mon. 5231; 22.86 ft. southwest of a spike in centerline of rosd; 16.4 ft. north of an 8 inch blazed Pine Tree; 0.2 ft. sbove surface. A stendard monel metal rivet, set in concrete. 108.852 ft.

MON, 2631: LACEY TWP., OCEAN COUNTY, N. J. On the north side of Lacey Road, 4.0 miles southeast of Central Railroad at whitings; 0.3 ft. above ground; 22.53 ft. northeast from a spike in the centerline of Lacey Road; 24.50 ft. east and 23.83 ft. north of 2 spikes in the northerly edge of road and 5.0 ft. southwest of an 8 inch Pine Tree (said spikes are 33.31 ft. apart). A standard

N.J.G.C.S. disk, set in concrete. Elevation: 108,680 ft.

Elevation:

LACEY TWP., OCEAN COUNTY, N. J. On the northeast side MON. 2297: of the Forked River-Whitings Road (Co. Route #33), near some old building foundations, about 4.4 miles southeast of its intersection with State Highway Route #40; 18.90 ft. northeast of; 23.65 ft. east of and 26.00 ft. north of three spikes all in the centerline of the above mentioned County Route #33. A standard

U.S.C.& G.S.& S. S.disk, set in concrete.

Elevation: 103.056 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

OCE-U, page 4

- MON. 2296: LACEY TWP., OCEAN COUNTY N. J. On the southwest side of the Forked River-Whitings Road (Co. Route #33), about 9.15 miles northwest of its intersection with State High-way Route #4 in Forked River also about 0.25 miles northwest of the Lacey School Bldg.; 24.06 ft. southwest of the centerline of the road; 60.23 ft. northeast of the center of the Tuckerton Railroad tracks; and 150. ft. southeast of the end of a guard rail. A standard U.S. C. & G.S. & S.S. disk, set in concrete.

 Flevation: 91.685 ft.
- MON. 2632: LACEY TWP., OCEAN COUNTY, N. J. On the east side of Lacey Road nearly opposite the road to Bamber 5.50 miles southeast of Central Railroad at Whitings, 0.3 ft. below ground; 17.25 ft. east of a spike in the centerline of Lacey Road; 20.76 ft. east of spike in the northerly edge of road; 19.31 ft. north of R. M. in the east edge of road (said spike & R. M. are 32.62 ft. apart) and 12.5 ft. west of a blazed dead 10 inch Pine Tree. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 98.913 ft.
- RV. 2294: LACEY TWP., OCEAN COUNTY, N. J. On south side of Lacey Road, 6.85 miles southeast of Route #40, Bamber, 240 ft. northwest of a small bridge over Bamber Greek between Mons. 2632 and 2633, 6 ft. north of an 5 inch Pine Tree and 40 ft. west of west end of a guard rail, flush with surface; 18.63 ft. south of a spike in centerline of road. A standard monel metal rivet, set in concrete. Elevation; 77.016 ft.
- MON. 2633: LACEY TWP., OCEAN COUNTY, N. J. On the west side of Lacey Road, 5.90 miles southeast of the Central Railroad at Whitings, flush with road; 12.45 ft. south of R.M.; 14.07 ft. southwest of spike in centerline of Lacey Road and 21.08 ft. northwest of spike in the west edge of road and about 13.3 ft. south of the end post of guard rail; the center spike is 18.91 ft. southeast of the R.M. and the south apike 33.0 ft. southeast of R.M. A standard N.J.G.C.S. disk, set in concrete.

 Elevation: 77.521 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH WARKS

Ocean County

1940

OCE-U, page 5

RV. 2291: LACEY TWP., OCEAN COUNTY N. J. On southwest side of Lacey Road, about 7% miles northwest of Forked River at Bamber, in gravel shoulder, flush with surface; 12 ft. northwest of Mons. 2233 about 1540 ft. southeast of Rv. 2294, 1300 ft. southeast of Bamber stream at a bend in the road and about 400 ft. northwest of a small white two-room shack. A standard monel metal rivet, set in concrete.

Elevation: 77.337 ft.

MON. 2295: LACEY TWP., OCEAN COUNTY, N. J. On the northeast side of the Forked River-Whitings Rosd, (Go. Route #33), on the line of a guard rail, about 7.4 miles northwest of State Highway Route #4 in Forked River, and 0.5 miles southeast of a fork in the road; 15.73 ft. northeast of the centerline of the road; and 314, ft. southeast of the southeast end guard rail post. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 75.117 ft.

MON. 2294: LACEY TWP., OCEAN COUNTY, N. J. On the southwest side of the Forked River-whitings Road, (Co. Route #33), about 7.1 miles northwest of State Highway Route #4 in Forked River, also about 0.8 miles southeast of a fork in the road, 6 inches below surface; 13.92 ft. southwest of the centerline of the road; and 36.09 ft. northwest of a tack in a 7 inch Pine Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 84.229 ft.

MON. 2634: LACEY TWP., OCEAN COUNTY, N. J. On the south side of Lacey Road, 7.45 miles southerst of Central Railroad at Whitings, 0.2 ft. above ground; 16.55 ft. southwest of spike in the centerline of Lacey Road; 17.09 ft. south and 17.46 ft. west of 2 spikes in south side of road (said 2 spikes are 25.97 ft. apart) and 41.6 ft. northwest of Pole #BT-13. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 88.901 ft.

Ocean County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BUNCH MARKS

OCE-U, page 6

MON. 2635: LACEY TWP., OCEAN COUNTY N. J. On the north side of Lacey Road, 7.70 miles southeast of Central Railroad at Whitings, flush with road; 11.89 ft. south of a R.M.; 16.50 ft. north from a spike mear the north edge of road; 17.24 ft. northeast of a spike in the centerline of Lacey Road and 27.45 ft. southeast of s 10 inch Pine Tree; the center spike in road is 26.39 ft. south of the R.M. . A standard N.J.G.C.S. disk, set in concrete.

Elevation: 91.938 ft.

RV. 2293: LACEY TWP., OCEAN COUNTY, N. J. On south side of Lacey Road, 9.05 miles southeast of Route #40, 12 ft. north of an 8 inch blazed Pine Tree, 50 ft. southeast of Mon. 2635; 21.90 ft. south from a spike in centerline of road, 0.3 ft. above surface. A standard monel metal rivet, set in concrete.

Elevation: 92.286 ft.

MON. 2293: LACEY TWP., OCEAN COUNTY, N. J. On the northeast side of the Forked River-Whitings Road, (Co. Route #33), at the end of the cut, about 5.5 miles northwest of State Highway Route #4 in Forked River, and 0.25 miles southeast of Factory Branch Bridge; 19.41 ft. northeast of the centerline of the road; 72.28 ft. southeast of a tack in a 14 inch Pine Tree and 0.2 miles southeast of guard rail. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 67.793 ft.

MON. 2292: LACEY TWP., OCEAN COUNTY, N. J. On the southwest side of the Forked River-Whitings Road, (Co. Route #33), about 5.25 miles northwest of State Highway Route #4 in Forked River, also about 0.50 miles southeast of the bridge over Factory Branch Stream; 19.45 ft. southwest of the center-line of the road; 35.45 ft. east of a tack in a wild Cherry Tree; and about 120. ft. southeast of Stuvey-sand Road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 56.226 ft.

Ocean County

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

1940 OCE-U, page 7

MON. 2636: LACEY TWP., OCEAN COUNTY, N. J. on the south side of Lacey Road, 9.65 miles southeast of the Central Rail-road at Whitings, flush with road; 0.2 ft. above ground; 24.78 ft. south of spike in road near south edge; 23.26 ft. southwest of a spike in centerline of Lacey Road and 15.62 ft. northwest of R. M. . A standard U.S.C.& G.S. & S.S. disk, set in concrete.

Elevation: 69.409 ft.

RV. 2292: LACEY TWP., OCEAN COUNTY, N. J. On southerly side of Lacey Road, 11.25 miles southeast of Route #40 midway between Mon. 2636 & 2637; 50 ft. each way from two spikes in centerline of road; 210 ft. each of short telephone pole #BT1lL, flush with surface. A standard monel metal rivet, set in concrete.

Elevation: 57.706 ft.

MON. 2637: LACEY TWP., OCEAN COUNTY, N. J. On the north side of Lacey Road, 10.0 miles southeast of the Central Rail-road at Whitings; 0.3 ft. above surface; 15.61 ft. southeast of P.M.; 16.53 ft. northwest of R. M.; and 25.61 ft. west from R. M. . A standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 70.615 ft.

LACEY:

LACEY TWP., CCEAN COUNTY, N. J. On the south side of Lacey Road, about 3.0 miles northwest State Highway Route #4 at Forked River; at the first, and what is said to be, the highest point where this road crosses the Forked River "Mountains"; 34.04 ft. south of the centerline of the road; referred to reference mark #1 which is 81.0 ft. sast of the station; 29.05 ft. south of the road centerline; and to R.M.#3 which is about 90 ft. northwest of the station and 26.2 ft. north of the centerline of the road; both reference marks being standard U.S.C.& G.S. reference mark disks set in concrete. A standard U.S.C.& G.S. triangulation disk, set in concrete.

Ocean County

GRODETIC CONTROL SURVEY

1940 OCE-U, page 8

DESCRIPTION OF BENCH MARKS

LACEY TWP., OCEAN COUNTY, N. J. On the northeast side of the Forked River-Whitings Road, (Co. Route #33), in scrub growth, about 2.75 miles northwest of State Highway Route #4 in Forked River; 17.60 ft, northeast of the centerline of the road; 12.78 ft. southwest of a tack in a Pine Tree; and 19.70 ft. south of a tack in a Pine Tree a standard U.S.C.& G.S.& S.S. disk, set in concrete.

Elevation: 75.757 ft. MON. 2291:

R.M. #2LACEY: LACEY TWP., OCEAN COUNTY N. J. On the northeast side of Lacey Road about 2.7 miles northwest of State Highway Route #4 at Forked River and about 0.3 mile east of triangulation station Lacey; 32.8 ft. northeast of the centerline of Lacey Road and about 900 ft. southeast of Monument 2291. A standard U.S.C.& G.S. reference mark disk, set in concrete.
Elevation: 65.806 ft.

MON. 2290: LACEY TWP., OCEAN COUNTY, N. J. On the southwest side of the Forked River-Whitings Road, (Co. Route #33), in a growth of acrub Oak, about 2.45 miles northwest of State Highway Route #4 in Forked River; 22.30 ft. southwest of the centerline of the road; and 4.0 ft. eest of a 6 inch blazed Pine Tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete. Elevation: 62.804 ft.

LACEY TWP., OCEAN COUNTY, N. J. On the north side of Lacey Road, 0.42 miles west of Rivet #5238 at P.I. of Lacey Road, 18 ft. north of centerline of road, at west RV. 5240: end of gravel road cut. A standard monel metal rivet, set in concrete. Elevation: 60.838 ft.

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

Ocean County

1940

OCE-U, page 9

- RV. 5238: LACEY TMP., OCEAN COUNTY, N. J. On the north side of Lacey Road at P.I. of curve, 1.5 miles west of Route #4 at Forked River, 35 ft. north of centerline of Lacey Road. A standard monel metal rivet, set in concrete. Elevation: 58.534 ft.
- RV. 5239: LACEY TWP., OCEAN COUNTY, N. J. On the south side of Lacey Road, O.94 miles west of Route #4, west side of dim wood road (abandoned to gravel pit and crossing Lacey Road on crest of hill, 16 ft. south of centerline of Lacey Road. A standard monel metal rivet, set in concrete.

 Elevation: 46.680 ft.
- MON. 2243: FORKED RIVER, LACEY TWP., OCEAN COUNTY, N. J. On the northeast side of Lacey Road, (Co. Route #33), about 0.25 miles northwest of State Highway Route #4, about 460 ft. northwest of the railroad tracks, and in front of a wire fence; 17. ft. northeast of the centerline of the road; 14.06 ft. southeast of a pole #L-45; and 63.24 ft. southeast of the corner fence post. A standard U.S.C.& G.S. & S.S. disk, set in concrete.

 Elevation: 18.941 ft.
- MON. 2242: FORKED RIVER, LACEY TWP., OCEAN COUNTY N. J. On the west corner in the sidewalk in front of the Gasoline Station of Wm. Hebeler, at the intersection of State Highway Route #4. and Lacey Road, (Co. Route #33), 0.33 ft. below ground; 16.53 ft. northwest of the centerline of Route #4; 47.57 ft. southwest of a pole #BT-1771; and 46.35 ft. northeast of a pole #BT-1770. A standard U.S. C. & G.S.& S.S. disk, set in concrete.

 Elevation: 14.292 ft.

FIRST ORDER LEVELING OF

UNITED STATES COAST & GEODETIC SURVEY

DESCRIPTIONS AND RELEVATIONS

OF

BESCH MARKS

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THE VICINITY OF THE OCEAN COUNTY LEVEL NET

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RX 6.--at Lavellette, Ocean County, 951 ft. south of the south face of the railroad station, 492 ft. east of the east rail of the main-line track, and 87 ft. north of the center of an east-and-west street. A standard disk, stamped "RX 6 1950" and set in the top of a concrete post which
  unit use, stamped "El D 1900" and set in the top of a concrete post which projects about 2 inches above the ground. (1.845 meters or 6.055 ft.)

P 6.--At Seaside Heights, Ocean County, on the west face of the railroad station, on the south side of the south entrance. A standard disk, stamped "F 6 1950", and set vertically in the face of the doorsill. (2.186 meters or 7.172 ft.)
or 7.172 ft.)

0 8.-At Seaside Park, Ocean County, at the southeast corner of the Seaside Park School, about 2 ft. above the ground, 1 ft. west of the east face of the building, and 1 ft. below the corner stone. A standard disk, stamped "6 6 1930", and set vertically. (2.075 meters and 6.801 ft.)

H 8.-At Seaside Park, Ocean County, about 125 ft. south of the railroad station, 25.0 ft. east of the east rail, 10.3 ft. south of a hedge, and 95 ft. west of pole No. 55%. A standard disk, stamped "H 5 1930" and set in the top of a concrete post which projects about 6 inches above the ground. (1.395 meters or 6.217 ft.)

I 6.-At Seaside Park, Ocean County, about 700 ft. north of the railroad station, at the edge of the town, in the southeast concrete footing of the Seaside Park water tank. A standard disk, stamped "J 6, 1930" and set horizontally. (1.853 meters or 6.014 ft.)

K 8.-At Oceangate, Ocean County, 45.1 ft. south of the southwest corner of the reilroad station, and 27.96 ft. south of the south rail of the main-line track. A standard disk, stamped "K 6 1930", and set in the top of a concrete post which projects about 6 inches above the ground. (2.202 meters or 7.224 ft.)

L 6.-At Beachwood, Ocean County, on the Pennsylvania Reilroad, 763 ft.
 (8.208 meters or 7.224 ft.)
L 6.-At Beachwood, Ocean County, on the Pennsylvania Reilroad, 76% ft.
west of the center of the crossing of the Atlantic City highway 25.7 ft.
acuth of the south rail, and 17 ft. north of a dirt road which parallels
the tracks. A standard disk, stamped "L 6 1950", and set in the top of a
concrete post. (7.481 meters or 24.544 ft.)
M 6.-At Beachwood, Ocean County, at the crossing of the Pennsylvania
Railroad and the Central Railroad of New Jersey, 70 ft. east of the rail-
road station, 18 ft. northeast of the intersection of the tracks, and 58
ft. southwest of the end of the curb on the street leading to the station.
A standard disk, stamped "M 6 1950" and set in the top of a concrete post.
(7.811 meters or 25.627 ft.)
M 6.--About 2 miles south of Beachwood. Ocean County. on the Central Rail-
   H 6.--About 2 miles south of Beachwood, Ocean County, on the Central Rail-road of New Jersey, about 100 ft. north of the road forks, between the tracks and the gravel road, 21.4 ft. west of the west rail, 21 ft. east of the center of the gravel road, and 42 ft. south of a pole. A standard disk, stamped "N 6 1930" and set in the top of a concrete post. (10.317
      meters or 33.848 ft.)
   meters or 53.546 it.)
P.6.--About 2.9 miles south of Beachwood, Ocean County, on the Central
Railroad of New Jersey, about 60 ft. northeast of a highway crossing, 55.0
ft. east of the east rail, 16 ft. east of a dirt road which parallels the
tracks, 72 ft. north of a road leading to the highway, and 20 ft. west of
a long barn. A standard disk, stamped "P 6 1930" and set in the top of a
concrete post. (15.557 meters or 50.974 ft.)
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17.24 (N.J.G.S.). -- At Belmar, Monmouth County, at the railroad station on the west face of the building, at the outer edge of the south end of the deorsill. A chiseled cross. (5.192 meters or 17.034 ft.).
  the doorsill. A chiseled cross. (5.192 meters or 17.034 ft.).
20.95 (N.J.G.S.).-At Lake Como, Monmouth County, on the west face of the railroad station, at the most southerly entrance, on the outer corner at the north end of the door sill. A chiseled cross. (5.348 meters or 20.827
   ft.}.
  X 5.--At Spring Lake, Monmouth County, on the west side of the railroad station, in the face of the stone window sill of the ticket office. A standard disk, stamped "X 5 1930", and set vertically. (7.598 meters or
   24.928 ft.)
 75.-At Segirt, Monmouth County, about 75 yards south of the railroad station, about 75 ft. north of the center of the crossing of a highway and 14.2 ft. east of the east rail. A standard disk, stamped "Y 5 1930", and set in the top of a concrete post. (5.864 meters or 19.259 ft.) Z 5.-At Manasquam, Monmouth County, at the southeast corner of the Manasquam High School, about 8 inches above the ground, in the face of a stone window sill. A standard disk, stamped "Z 5 1930", and set vertical-1. (5.122 meters or 18.804 ft.)
   ly. (5.122 meters or 16.804 ft.)
 A 6.-At Manasquan, Nonmouth County, in the north face of the post office, 5 ft. above the sidewalk, and 1 ft. from the east face of the building. A standard disk, stamped "A 6 1930", and set in the stone wall. (6,400 meters or 21.027 ft.)

19.37 (N.J.G.S.).-At Manasquan, Monmouth County, at the Manasquan National Bank on Main Street, just east of South Street, on the outer edge of the easterly end of the granite deorsill and step at the entrance to the building. A chisaled cross. (5,907 meters or 10,380 ft.)
 the building. A chiseled cross. (5.90% meters or 19.380 ft.)
T.B.M. 22.--About 1 mile south of Manasquan. Mommouth County, on the
Pennsylvania Railroad at the second bridge south of Manasquan, on the
northeast pier or the long railroad bridge over a stream. A chiseled cross. (2.508 meters or 8.228 ft.)

B 6.--At Peint Pleasant, Ocean County, in the face of the ticket-window projection of the railroad station, and about 2 ft. above the sidewalk. A standard disk, stamped "B 6 1930", and set vertically. (4.301 meters
  or 14.111 ft.)
C 6. --About 0.1 mile north of Bayhead, Ocean County, at the Pennsylvania Railroad bridge No. 69/18, about 5.6 ft. east of the east rail, on the southeast abutment. A standard disk, stamped "C 6 1930", and set in the concrete abutment. (1.596 meters or 5.256 ft.)
concrete abutment. (1.596 meters or 5.256 ft.)
D 6.--At Manteleking, Ocean Gounty, at the southeast corner of the fire station, on the concrete steps. A standard disk, stamped "D 6 1930", and set horizontally. (1.262 meters or 4.140 ft.)
E 6.--At Layalette, Ocean County, about 130 ft. north of the railroad station, between a siding and a dirt road which is parallel to and east of the tracks, 48 ft. north of the center line of a street which crosses the tracks, and 25.3 ft. east of the east rail of the main-line track. A standard disk, stamped "B $ 1930", and set in the top of a concrete post. (1.979 meters or 6.493 ft.) Note: This mark is in danger of being disturbed by traffic.
 being disturbed by traffic.
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Q 6.--At Lanoka Harbor, Ocean County, about 116 ft. north of the rail-road station, 45g ft. east of the east rail, at the edge of the woods. A standard disk, stamped "Q 6 1950" and set in the top of a concrete post. (5.941 meters or 19.491 ft.)
post. (5.94) meters or 19.491 (t.)

5 6.--At Forked River, Ocean County, on the Central Railread of New
Jersey, 441 ft. south of the first crossing north of the station, and
20.2 ft. west of the west rail. A standard disk, stamped "S 6 1930",
and set in the top of a concrete post which projects about 4 inches above
the ground. (5.942 meters or 19.495 ft.)

2 8 ---At Posted Pierra County shout 184 ft. south of the Central
the ground. (0.942 meters or 19.495 ft.)

R 6.--At Forked River, Ocean County, about 164 ft. south of the Central Railroad of New Jersey station, 65 ft. north of the edge of the river, 45.4 ft. east of the east rail, and 12% ft. south of the south edge of a road. A standard disk, stamped "R 6 1930", and set in the tep of a concrete post which projects about 6 inches above the ground. (4.384 meters
 or 14,383 ft.)
or 14.385 ft.)
T 6.--About 1.2 miles north of Waretown, Ocean County, on the west end
of the south abutment of a highway bridge. A standard disk, stamped
"T 6 1930" and set horisentally. (2.464 meters or 8.051 ft.)
V 6.--At Waretown, Ocean County, 58 3/4 ft. north of the railroad station,
and 20 3/4 ft. east of the east rail. A standard disk, stamped "V 6 1930",
and set in the top of a concrete post which projects about 2 inches above
the ground. (4.578 meters or 15.020 ft.)
B.M. (Unidentified).--At Waretown, Ocean County, at the Central Railroad
of New Jersey station, on the sill of one of the doors on the east side
of the station. A chiseled cross. (4.688 meters or 15.384 ft.)
of the station. A chiseled cross. (4.689 meters or 15,384 ft.)
W 6.-About 1 mile north of Barnegat, Ocean County, between the Central
Railroad of New Jersey and the Tuckerton Railroad, 46 ft. south of a
road crossing, 30.1 ft. east of the east rail of the Tuckerton Railroad
 and 59.5 ft. west of the west rail of the Central Railread of New Jersey. A standard disk, stamped "W 6 1950" and set in the top of a concrete
 post which projects about 6 inches above the ground.
                                                                                                                                                                                                                                           (9.776 moters or
 32.073 ft.)
 Y 6 .- At Barnegat, Ocean County, at the north edge of the town, east the tracks of the Central Railroad of New Jersey, on the west side of
the circular concrete wall of a turntable. A standard disk, stamped "Y 6 1930", and set horizontally in the top of a wall. (12.798 meters or 41.988 ft.)
X 6.—At Barnegat, Ocean County, on the west face of and near the southwest corner of the First National Bank on South Bay Street. A standard disk, stamped "X 6 1930", and set vertically about 2 ft. above the sidewalk. (13.135 meters or 45.097 ft.)
sidewalk. (13,136 meters or 43,097 ft.)

26.—About 1.7 miles north of Manahawkin, Ocean County, about 110 ft.
north of the crossing of a secondary road, and 15.1 ft. east of the east
rail of the Tuckerton Railroad. A standard disk, stamped "Z 6 1930" and
set in the top of a concrete post which projects about 3 inches above the
ground. (10.794 meters or 35.413 ft.)
A 7.—At Manahawkin, Ocean County, on the Tuckerton Railroad, just south
of the main highway crossing at Manahawkin, on the northeast corner of
the concrete base of a signal tower. A standard disk, stamped "A 7 1930"
and set horizontally. (8,600 meters or 28,215 ft.)
B 7.—At Manahawkin, Ocean County, about 100 ft. west of the four cor-
ners on Route No.8 40, on the north end of the east abutment of the
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first highway bridge west of the town. A standard disk, stamped "B 7 1930" and set horizontally. (7.856 meters or 25.118 ft.)
V 7.--At Staffordville, Osean County, on the Tuckerton Railroad, 60g ft. south of the highway crossing, and 17.0 ft. west of the west rail. A standard disk, stamped "V 7 1930" and set in the top of a concrete
A standard disk, stamped "V 7 1930" and set in the top of a concrete post. (8.586 meters or 28.169 ft.)
W 7.--At West Creek, Ocean County, on the Tuckerton Reilroad, about 30 ft. southwest of the station, about 31 ft. south of the center of the highway, and 14.0 ft. west of the west rail. A standard disk, stamped "W 7 1930" and set in the top of a concrete post which projects about 5 inches above the ground. (7.166 meters or 23.510 ft.)
X 7.--At Tuckerton, Ocean County, 91 ft. southeast of the railroad station, 59 ft. east of a road which parallels the tracks on the west, 50 ft. south of s dirt read wanning east and west.
station, 69 ft. seat of a road which parallels the tracks on the west, 50 ft. south of a dirt read running east and west, and 16.8 ft. east of the most easterly rail. A standard disk, stamped "X 7 1930" and set in the top of a concrete post, which projects about 6 inches above the ground. (4.800 meters or 15.748 ft.)
ground. (1.500 meters of 10.748 ft.)

7.--At Tuckerton, Ocean County, on the southwest corner of the Tuckerton High School, and 2 ft. above the ground. A standard disk, stamped "Y 7 1950" and set vertically in the brick wall. (6.941 meters or 22.772 ft.)
22.772 it.)
2 7.--At Tuckerton, Ocean County, in the north face of the Tuckerton Bank, 2 ft. east of the northwest corner, and about 8 inches above the ground. A standard disk, stamped "Z 7 1930" and set vertically in the stone wall. (6.458 meters or 21.188 ft.)
A 8.--About 2.2 miles west of Tuckerton, Ocean County, 95 ft. northwest of pole No. 338, 80 ft. north by east from pole No. 337, and 36
  ft. north of the center of the highway. A standard disk, stamped
 4. 8 1930", and set in the top of a concrete post which projects about 6 inches above the ground. (17.963 meters or 58.934 ft.)
8 1930, and set in the top of a concreve pool which projects about 6 inches above the ground. (17.963 meters or 58.94 ft.)

B 8.--About 1.7 miles east of New Gretna, Burlington County, on the abutment at the northeast corner of the highway bridge over Jobs Creek.

A standard disk, stamped "B 8 1950". (2.509 meters or 8.252 ft.)

C 8.--At New Gretna, Burlington County, at the north edge of the town,

56 ft. northwest of the center of highways Nos. 4 and 9, 58 ft. south-
56 ft. northwest of the center of highways Nos. 4 and 9, 58 ft. southwest of a culvert, 69 ft. north of A.C.B. System pole No. 5901, and 100 ft. west of a curve in the highway. A standard disk, stamped °C 8 1950° and set in the top of a concrete post which projects about 6 inches above the ground. (1.678 meters or 5.505 ft.)

D 8.--At New Gretna, Burlington County, near the center of the town, about 137 ft. southwest of the St. Paul's Methodist Episcopal Church, about 100 ft. west of the residence of E. Cramer, 99 ft. northwest of pole No. 649, and 28½ ft. west of the center of highways Nos. 4 and 9. A standard disk, stamped "D 8 1950", and set in the top of a concrete post which projects about 4 inches above the ground. (5.178 meters or 16.988 ft.)
  16.988 ft.)
E8.-At New Gretna, Burlington County, at the south edge of the town, in the southwest corner of a cultivated field at the edge of a wood, 794 ft. south of a road intersection and pole No. 841, and 26 ft. east of the center line of highways Nos. 4 and 9. A standard disk, stamped "E 8 1930" and set in the top of a concrete post which is flush with the ground. (4.472 meters or 14.672 ft.)
F 8.--In Atlantic County, about 3.6 miles south of New Gretna, Burlington County, 17.3 ft. west of the D.A.R. Monument, and 34 ft. north of pole No. 494. A standard disk, stamped "F 8 1930" and set in a con-
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LINE 7, HIGHLANDS TO ABSECON, N.J. (Cont.)

crete post which projects about 6 inches above the ground. (2.540 meters or 8.333 ft.)

8.-About 2.3 miles north of the post office at Oceanville, Atlantic County, 34.6 ft. east of the center line of highways Nos. 4 and 9, 243 ft. north of a road intersection, 460 ft. south of another road intersection, 26 ft. west of the center of a dirt road which parallels the highway, 9.0 ft. south of a spike in a pine tree, and 7.9 ft. east of a spike in an eak tree. A standard disk, stamped "6 8 1950" and set in the top of a concrete post which projects about 2 inches above the ground. (4.254 meters or 13.957 ft.)

8.--At Oceanville, Atlantic County, at the northeast corner of School No. 1. A standard disk, stamped "H 8 1930" and set vertically in the brick wall. (13.548 meters or 43.793 ft.)

J 8.--At Absecon, Atlantic County, at the southeast corner of the First National Bank of Absecon. A standard disk, stamped "J 8 1930" and set vertically in the brick wall. (6.062 meters or 19.888 ft.)

L 8.--At Absecon, Atlantic County, on the southeast corner of the Absecon School. A standard disk, stamped "L 8 1930", and set vertically in the brick wall. (8.177 meters or 26.827 ft.)

K 8.--At Absecon, Atlantic County, on the southeast corner of the building, and 2½ ft. above the ground. A standard disk, stamped "K 8 1930", and set vertically in the brick wall. (8.7769 meters or 75 the building, and 2½ ft. above the ground. A standard disk, stamped "K 8 1930", and cemented vertically in the brick wall. (7.769 meters or 25.489 ft.)

B 4.--See page 15.

BM 54 (?).--At Absecon, Atlantic County, on the northeast abutment of Pennsylvania Railroad bridge No. 52/12 which is the first bridge southeast of the station. A bolt cemented in rock with the inscription "B.M. 54" chiseled in the rock. (2.362 meters or 7.749 ft.)

M B.--At Pleasantville, Atlantic County, on Leeds Avenue at Pleasantville School No. 3, on the south face of the building, 4 ft. eat of the minimum entrance, and 2 ft. above the ground. A standard disk, stamped "M 8 1950",

LINE B, MANAHAWKIN TO BEACH HAVEN AND BARNEGAT CITY, N.J.

This line follows the Pennsylvania Railroad from Manahawkin to Beach Reven. From Shipbottom a spur line follows the highway to Barnegat City. The field work was done during the summer of 1930 by W.R. Porter, junior hydrographic and geodetic engineer.

A 7.--See page 22.
C 7.--About 3 miles east of Manahawkin, Ocean County, at the first highway bridge east of the railroad crossing, about 100 ft. east of the crossing, on the abutment at the southwest corner of the bridge. A standard disk, stamped "C 7 1930", and set horizontally. (1.472 meters or 4.829 ft.)
D 7.--About 2 miles west of Shipbottom. Ocean County, on Bonnet Island, about 100 yards west of the drawbridge, south of the tracks, and on the nertheast corner of the concrete base of semaphore. A standard disk, stamped "D 7 1930" and set horizontally. (1.580 meters or 5.184 ft.)
H 7.--At Shipbottom-Beach Arlington, Ocean County, at the standpipe, on the east side of the concrete base. A lag screw and washer, stamped "H 7 1930" and set in the concrete. (2.157 meters or 7.077 ft.)
G 7.--At Shipbottom-Beach Arlington, Ocean County, west of the railroad station, In the northeast corner of the concrete base of Semaphore No. 10719. A standard disk, stamped "G 7 1930", and set horizontally. (1.311 meters or 4.301 ft.)
F 7.--At Shipbottom-Beach Arlington, Ocean County, acress the road from Conrad Brothers Lumber Co., 49.2 ft. west of the edge of the concrete highway, 77.2 ft. south of the railroad station, and 19.2 ft. east of the east rail. A standard disk, stamped "F 7 1930", and set in the top of a concrete post which is flush with the ground. (1.127 meters or 3.697 ft.) (N.J.G.C.S. Elevation: 1.120 meters or 3.675 ft.) SETTLED

Note. -- This is an unusual type of mark, having been case in a 9-inch augur hole about 4 ft. deep, the bottom of which was enlarged by taking out wet sand which cabed into the hole near the bottom. A dry mix of cement and sand was used to fill the hole up to where water had been encountered in digging and a wet mix of cement and sand to complete the mark. It is requested that anyone recovering and making use of this mark also tie in to H 7 or G 7 near by as a check on the stability of F 7, which is somewhat in the nature of an experimental mark. This office will greatly appreciate reports on any ties made between F 7 and other near-by marks.

Spur line to Barnegat City.

E 7.--About 0,5 mile north of Shipbottom-Beach Arlington, Ocean County, on the northeast corner of the junction of the Beach and Manahawkin roads, between the curb and the sidewalk, 23.7 ft. north of the edge of the curb of a blind street, 7.2 ft. west of the west edge of the sidewalk and 3.2 ft. east of the east curb of the Beach road. A standard disk, stamped "E 7 1930" and set in the top of a concrete post which is flush with the ground. (1.668 meters or 5.472 ft.)

Note. -- This is also a mark of the experimental type similar to F 7, described on page 24, and should not be used to control important leveling without tying in additional marks. This office will greatly appreciate reports on any such ties as may be made.

LINE 8. MANAHAWKIN TO BEACH HAVEN AND BARNEGAT CITY, N.J. (Cont.)

P 7.--At Surf City, Ocean County, at the Surf City water tank, on the northwest corner of the northwest concrete feeting. A standard disk, stamped "P 7 1930". (2.047 meters or 6.716 ft.) Q 7.--At Highpoint, Ocean County, on the southwest corner of the concrete tank and 20 ft. east of the Highpoint water tank. A standard disk, stamped "Q 7 1930" and set vertically in the concrete wall. (1.296 meters or 4.252 ft.)
R 7.--About 1.6 miles south of Barnegat City, Ocean County, 51% ft. west, % north of A.C.E. System pole No. 8314, 25% ft. southwest of telephone pole No. 254, and 35% ft. west of the center of the road. A standard disk, stamped "R 7 1930" and set in the top of a concrete port. (1.649 meters or 5.410 ft.)

Note. -- This mark is of the same type of construction as F 7 and should not be used to control important leveling without checking upon near-by bench marks of the standard type of construction.

S 7.--At Barnegat City, Ocean County, at the Coast Guard Station, on the southeast corner of the concrete base of the flagpole. A standard disk, stamped "5 7 1930" (2.137 meters or 7.011 ft.)

T 7.--At Barnegat City, Ocean County, west of the west end of the street, about 100 yards west of the post office, about 100 yards south of the Sunset Hotel, 49 ft. west of the center of the street, 35½ ft. south of pele No. 322, 33.5 ft. south of a concrete monument numbered "BM2", and 35 ft. south of the south edge of the hotel property. A standard disk, stamped "T 7 1930" and set in a concrete post which extends about 8 inches above the ground. (1.493 meters or 4.898 ft.)

Note. -- This mark is of the same type of construction as F 7 and should not be used to control important leveling without checking upon near-by beach marks of the standard type of construction.

BH 2 (1).-At Barnegat City, Ocean County, about 100 yards west of the pest office and 35g ft. north of Bench Mark T T, described above. A cross cut in the top of a concrete post which projects about 12 inches above the ground. (1.992 meters or 6.555 ft.) If T,-At Barnegat City, Ocean County, at the lighthouse, on the southwest corner of the concrete base of the battery box. A standard disk, stamped "U T 1950". (3.556 meters or 11.667 ft.)

End of spur line.

T.B.M. 76.--At Brant Beach, Ocean County, at the Brant Beach water tower, in the east face of the southeast concrete footing. A lag screw comented in a horizontal drill hole in the nearly vertical face of the concrete footing. (1.930 meters or 6.532 ft.).

J.7.--At Peahala, Ocean County, 61.1 ft. south of the reilroad station, 18.6 ft. east of the east rail of the Pennsylvania Railroad, and 58.8 ft. west of the west edge of the highway. A standard disk, stamped "J 7 1950", and set in the top of a concrete post which is flush with the ground. (1.262 meters or 4.140 ft.)

SECOND ORDER LEVELING

OF

UNITED STATES COAST & GEODETIC SURVEY

DESCRIPTIONS AND ELEVATIONS

OF

BENCH MARKS

IH

THE VICINITY OF THE OCEAN COUNTY LEVEL NET

LINE 8, MANAHAWKIN TO BEACH HAVEN AND BARNEGAT CITY, N.J. (Cont.)

Note. -- This is an experimental type of mark similar to P 7, described on page 24, and anyone using this mark to control important leveling should tie to some other near-by mark. This office will greatly appreciate a report on any such ties that may be made.

N 7.--At Beach Haven Terrace, Ocean County, at the Long Beach standpipe, on the east side of the concrete base. A standard disk, stamped "N 7 1930", and set horizontally. (1.995 meters or 6.546 ft.)
L 7.--At Beach Haven, Ocean County, in the north part of the town, on the southwest corner of a brick school building. A standard disk stamped "L 7 1930" and set vertically in the wall. (2.536 meters or 8.320 ft.)
N 7.--At Beach Haven, Ocean County, near the center of the town, on the northwest corner of the northwest footing for the Beach Haven water tank. A standard disk stamped "H 7, 1930" and set horizontally. (2.009 meters or 6.591 ft.)
N 7.--At Beach Haven, Ocean County, on the northeast corner of the Beach Haven National Bank and Trust Co. building. A standard disk, stamped "N 7 1930" and set vertically in the brick wall. (1.842 meters or 6.043 ft.)
Tidal 3.--1.7 miles south of Beach Haven, Ocean County, at the Bends Coast Guard Station, on the southwest corner of a square concrete cesspect, about 7 ft. from the southwest corner of a square disk, stamped "NX 7 1930" was cemented in the concrete, but in 1930 a standard disk, stamped "NX 7 1950" was cemented in the concrete, flush with the surface. (2.286 meters or 7.500 ft.)
Tidal 2.--About 1.7 miles south of Beach Haven, Ocean County, at the Bends Coast Guard Station, on the artasian well about 23 ft. south of the Coast Guard Station. No mark was made on the concrete but the level rod was held on the corner about 2 inches from both edges. (2.235 meters or 7.355 ft.)

UNITED STATES COAST AND GEODETIC SURVEY Second-Order Leveling By H.J. OLIVER

Tom's River to Kinkora, New Jersey

Standard elevations, in feet above mean sea level, based on the 1929 General Adjustment of the First-Order Level Nat.

- M 6 At Beachwood, at the crossing of the Pennsylvania Railroad and the Central Railroad of New Jersey, 70 ft. east of the railroad station, 18 ft. northeast of the intersection of the tracks, and 58 ft. scuthwest of the end of the curb on the street leading to the station. A standard disk, stamped "M 6 1930", and set in the top of a concrete post.

 Elevation: 25.627 ft.
- L 6 At Beachwood, on the Pennsylvania Railroad, 76 ft. west of the center of the crossing of the Atlantic City highway, 25.7 ft. south of the south rail, and 17 ft. north of a dirt road which parallels the tracks. A standard disk, stamped "L 6 1930", and set in the top of a concrete post. Elevation: 24.544 ft.
- R ~ 20 ~ About 0.8 miles west of Pennsylvania Railroad at Beachwood, 5 poles north of station at Tom's River, in footing for signal mast, at Sinclair Oil Company bulk station. A standard USCGS disk, stamped "R 20 1935", set in a concrete post. Blevation: 30.845 ft.
- S 20 About 5.7 miles west of Pennsylvania Railroad Station at Beachwood, east of the Crosely Station, on Pennsylvania Railroad; 5 poles east of M.P. 22; 30 ft. east of pole and 27 ft. north of track. A standard USC&GS disk, stamped "S 20 1935" set in a concrete post.

 Rievation: 44.012 ft.
- T 20 About 4.8 miles east of the Pennsylvania Railroad Station at Whiting; read crossing east of Crosely station; 74 ft. east of crossing and 27 ft. north of track in pole line, 15 ft. west of a pole. A standard USC&OS disk, stamped "T 20 1935" set in a concrete post.

 Elevation: 58.917 ft.
- TBM 5 (Chiseled Square) About 2.8 miles east of Fennsylvania Railroad Station at Whiting. Cut in the southwest corner of the
 west headwall of the Fennsylvania Railroad Bridge 44/69 on
 the Pennsylvania Railroad.
 Elevation:
- U 20 About 1.7 miles east of the Pennsylvania Railroad Station at Whiting. At station Nerwick Grove on Pennsylvania Railroad, 75 ft. east of and 27 ft. south of track. A standard USCAGA disk, stamped "U 20 1935", set in a concrete post.

 Elevation: 105.095 ft.

- TOM'S RIVER TO KINKORA, NEW JERSEY.
- Y = 20 = Whiting, Ocean County, N.J. At Whiting, 270 ft. south of station on Pennsylvania Railroad, 50 ft. northeast of track in pole line; 12 ft. south of a pole. A standard USC&GS disk, stamped "Y 20 1935", set in a concrete post. Elevation: 170.124 ft.
- RRCB-WHITIMG-Ocean County, N.J. At the southeast corner of the Pennsylvania Railroad Station at Whiting. A.P.R.R. cepper bolt set in a stone post. Elevation: 171.865 ft.
- WW 20 At Buckingham, 3.8 miles west of Pennsylvania Railroad Station at Whiting; 2 rails south of mile post 31-38; 8 ft. southeast of center line of Pennsylvania Railroad tracks, in north end of abandoned signal base. A standard US\$305 disk, set in a concrete signal base.

 Elevation: 159.091 ft.
- W 20 About 8.1 miles west of the Fennsylvania Railroad Station at Whiting, at Upton Station crossing of State Highway 40; 9 rails west of everhead reilroad crossing, north of track and in signal mast footing; 500 ft. east of station at an old abandoned mill. A standard USCAGS disk, stamped "N 20 1935" set in a concrete signal base.

 Elevation: 92.638 ft.
- COPPER BOLT -Located 7.4 miles east of the city water tower at Pember-51.48 ten; in the southwest corner of bridge No. 51.48 on Pennsylvania Railroad. A copper belt set in a concrete bridge, by the Pennsylvania Railroad Company. Rlevation: 52.549 ft.
- TBM 14 (Chiseled Square)-Located 6.7 miles east of the city water tower at Pemberton; about 0.6 miles south of station at Browns Milis; 6 ft. east of center line of Pennsylvania Railroad track. Cut in the concrete base of an abandoned signal tower.

 Elevation:
- COPPER BOLT -Located 6.0 miles east of city water tower at Pemberton;
 BROWNS MILIS 4 poles west of station at Browns Mills Junction, in
 northeast headwall of Pennsylvania Railroad outvert. A
 copper bolt set in concrete culvert headwall by the Pennsylvania Railroad Company.

 Elevation: 64.977 ft.
- CHISELED Located 5.8 miles east of the city water tower at Pemberton CROSS, BROWNS-100 ft. north of mile post 39; 50 ft. east of Pennsylvania MILLS #2 Railroad track. In center of top of concrete property line post, cut by the Pennsylvania Railroad Company.

 Elevation: 78,335 ft.

RV.-76--Pasadena, Ocean County, N.J. About 45 ft. north of Central Railroad track, at milepost 76. A raised lug on base of milepost set by the Central Railroad Company.

Elevation: 145.869 ft.

RV.-77--Cean County, N.J. About 1.0 mile southwest of Pasadena; 45 ft. north of Central Railroad track, at milepost 77. A raised lug on base of milepost, set by the Central Railroad Company.

Elevation: 147.503 ft.

RV.-78--Woodland Twp., Burlington, N.J. About 2.0 miles southwest of Pasadena; on Central Railroad, at milepost 78, 45 ft. north of track. A raised lug on base of milepost set by the Central Railroad Company. Elevation: 143.894 ft.

RV.-79--Woodmansie, Burlington County, N.J. About 5.0 miles southwest of Pasadena; on Central Railroad, at milepost 79; 45 ft. north of track. A raised lug on base of milepost set by the Central Railroad Company.

Elevation: 161.102 ft.

RV.-80-Woodland Twp., Burlington County, N.J. About 4.0 miles south-west of Pasadena; en Central Railroad, at milepost 80; 45 ft. north of track. A raised lug on base of milepost set by the Central Railroad Company. Rlevation: 171.045 ft.

RV.-Bl--Woodland Twp., Burlington County, N.J. About 6.0 miles south-west of Pasadena; on Central Railroad, at milepost 61; 45 ft. morth of track. A raised lug on base of milepost set by the Central Railroad Company. Blevation: 155.892 ft.

R-21--Woodland Twp., Burlington County, N.J. About 5.2 miles senthwest of Pasadena: en Central Railroad at Highway prossing of State 405, in an electric alarm control, set in shelf formed by concrete on footing of mile-post 81. A standard USC&GS disk, stamped R 21 1935, set in concrete footing. Elevation: 163.568 ft.

RV-82--Weedland Twp., Burlington County, N.J. About 6.0 miles south-west of Pasadens; on Central Railroad, at milepost 82; 45 ft. north of track. A raised lug on base of milepost set by the Central Railroad Company. Blevation: 151.745 ft.

RV.-83--Weodland Twp., Burlington County, N.J. About 7.0 miles south-west of Pasadens; on Central Railroad, at milepost 85; 45 ft. merth of track. A raised lug on base of milepost set by the Central Railroad Company. Elevation: 113.061 ft.

RV.-84--Chatsworth, Burlington County, W.J. About 8.0 miles southwest-of Pasadena; on Central Railroad, at milepest 86; 46 ft. north of track. A raised lug on base of milepest set by the Central Railroad Company. Elevation: 99.344 ft.

RV.-85--Chatsworth, Burlington County, N.J. About 9.0 miles southwest of Pasadena; on Central Railroad, at milepest 85; 45 ft. north of track. A raised lug on base of milepest set by the Central Railroad Company. Blevation: 91,455 ft.

UNITED STATES COAST AND GEODETIC SURVEY Second-order Leveling

Whiting to Bridgeton, N.J. - Releveling

RV.-72-Whiting, Ocean County, N.J. About 920 ft. southwest of the crossing of Pennsylvania Railroad and Central Railroad of N.J.; 8 ft. northwest of the northwest rail of track. A lug on the east corner of iron base of milepost #72, set by Central Railroad Company of New Jersey.

Elevation: 165.689 ft.

WHITING -- Whiting, Ocean County, N.J. About 7 yards from southeast corner of large hotel; granite monument marking northwest corner of roads. A chiseled square in top of granite monument. Blevation: 173.924 ft.

PRR WHITING--Whiting, Ocean County, N.J. About 300 ft. northeast of Central Railread Station; 78 ft. east of Central Railroad tracks; 27 ft. south of read cressing tracks. A chiseled aquare in top of stone monument by the Pennsylvania Railroad Company.
Elevation: 174.009 ft.

V-20-Whiting, Ocean County, N.J. About 270 ft. south of station on Pennsylvania Railroad; 50 ft. northeast of track in pole line; 12 ft. south of a pole. A standard USCAGS disk, set in concrete post, and stamped V 20 1935.

Elevation: 170.124 ft.

RV.-73--Reservelt City, Ocean County, N.J. About 1.2 miles southwest of Pennsylvania Railroad Station at Whiting; 45 ft. north of Central Railroad tracks, at milepost #75. A raised lug on base of milepost set by the Central Railroad Company.

Elevation: 156.565 ft.

RV.-74--Manchester Twp., Ocean County, N.J. About 2.0 miles northeast of Pasadena; 45 ft. north of Central Railroad tracks, at milepost #74. A raised lug on base of milepost set by the Central Railroad Company.

Rievatien: 185.908 ft.

VV-20--Manchester Twp., Ocean County, N.J. About 1.1 miles northeast of Pasadena; 9% rails east milepost 75, in the east face of base of Central Railread signal tower 74.1 A standard USC&GS disk, stamped VV 20 1935, and set vertically in signal tower base. Rievation: 164.665 ft.

RV.-75--Manchester Twp., Goean County, N.J. About 1.0 mile northeast of Pasadena; 45 ft. north of Central Railroad tracks, at milepost 75. A raised lug on base of milepost set by the Central Railroad Company. Elevation: 162.726 ft.

Q-21--Pasadena, Ocean County, N.J. On Central Railroad about 5/4 mile east of milepost 76, located in concrete footing for electric control box No. A-762. A standard USC&GS disk, stamped Q 21 1936, and set vertically in a concrete footing.

Elevation: 145.531 ft.