

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

C. P. WILBER, Director

BULLETIN 58

Geologic Series

NEW JERSEY  
GEODETIC CONTROL SURVEY  
BENCH MARKS  
IN CUMBERLAND AND SALEM COUNTIES

Elevations and descriptions of 710 bench marks established in  
Atlantic, Cape May, Cumberland, Gloucester and Salem  
Counties. The bench marks included form the  
Cumberland County Level Net.



Published 1944  
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State House Annex, Trenton, N.J.

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LETTER OF TRANSMITTAL

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

Sir:

The accompanying manuscript is the seventh report in the series intended to put in convenient form the results of the accurate levelling done by the New Jersey Geodetic Control Survey. Previous reports have listed and described many bench marks in Mercer, Middlesex, Essex, Passaic, Bergen, Hudson, Burlington, Camden, Gloucester, Salem and Ocean Counties. Bulletin 58 lists and describes 710 additional bench marks, chiefly in Cumberland and Salem Counties. Perhaps it is proper here to say that the work of the New Jersey Geodetic Control Survey has been extensively used by all branches of the armed services during the present war and the value of fundamental horizontal and vertical control data has again been demonstrated. Full credit should be given the following officials of the Works Progress Administration who were in charge at the time this report was written:

Robert W. Allan, State Administrator

Fred S. Childs, State Director, Division of Operations

Arthur Noack, State Supervisor, N.J. Geodetic Control Survey

It is regretted that lack of funds prevented earlier publication.

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 Cape May, Cumberland and Salem 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 NOACK, State Supervisor  
New Jersey Geodetic Control Survey

C O N T E N T S

LOCALITIES INCLUDED IN CUMBERLAND COUNTY LEVEL NET

ATLANTIC COUNTY

<u>Locality</u>	<u>Name of Run</u>
Buena Vista Twp.....	CUM-H,10
Minotola.....	CUM-H,10
Wheat Road.....	CUM-H,10

CAPE MAY

Eldora.....	CUM-E,1
-------------	---------

CUMBERLAND

Beaver Dam.....	CUM-B,7
Bivalve.....	CUM-E,5
Bridgeton.....	CUM-A,1;7;9;10;11;12;13;14;15;16;17;18;19;20 CUM-B,1;2;14;15;21;22;CUM-D,1;2;10;11;12;13;14 CUM-G,9;10;11;12;CUM-L,10;SAL-A,1;2;18
Bridgeton Junction .....	CUM-A,18;CUM-L,10
Cedarville.....	CUM-B,4;5;17;18;CUM-J,3
Centre Grove .....	CUM-J,2
Commercial Twp.....	CUM-E,6;7;CUM-K,2
Deerfield.....	CUM-L,5
Deerfield Twp.....	CUM-G,5;6;7;8;9
Dalmont.....	CUM-C,8;9;13;14;CUM-E,2;3;9
Dividing Creek.....	CUM-B,9;CUM-K,1
Dorchester.....	CUM-C,7
Downs Twp.....	CUM-B,7;8;9;10;11;12;13;14;20;21;CUM-K,1;2
Fairfield Twp.....	CUM-A,2;3;CUM-B,2;3;4;15;16;17;CUM-I,1;2;3;4;5;6;7;8
Fairton.....	CUM-B,3;16
Finley.....	CUM-L,9
Fortesque.....	CUM-B,12;13
Garrisons Corner.....	CUM-D,9
Gouldtown.....	CUM-A,2
Greenwich.....	CUM-I,4
Greenwich Twp.....	CUM-D,5;6;7;CUM-I,5
Haleyville.....	CUM-E,7
Heislerville.....	CUM-C,11;CUM-E,3;4
Hopewell Twp.....	CUM-D,2;3;4;5;SAL-A,2;3;4;5
Kernans Corner.....	CUM-D,9
Landis Twp.....	CUM-G,1;2;CUM-H,3;4;5;6;7;8;9;CUM-H,11;12 CUM-H,13;14;15;16;CUM-M,1;2;3;4
Lanings Wharf.....	CUM-I,4
Lawrence Twp.....	CUM-B,4;6;18;19;CUM-J,2;3
Leesburg.....	CUM-C,9
Marlboro.....	SAL-A,6
Mauricetown.....	CUM-E,8
Maurice River Twp.....	CUM-C,4;5;6;7;8;9;10;11;12;13;14;15;16;17;18 CUM-E,1;2;3;4;8;9
Millville.....	CUM-A,5;6;8;CUM-B,11;CUM-C,1;2;3;CUM-F,1;2;3 CUM-H,1;2;3
Millville Twp.....	CUM-A,3;4;5;9;CUM-B,10;CUM-J,1

CUMBERLAND

<u>Locality</u>	<u>Name of Run</u>
New England Cross Roads.....	CUM-B;17
Newport.....	CUM-B,11;19
Noxma.....	CUM-G,5
Pittsgrove.....	CUM-G,3;4;5
Port Elizabeth.....	CUM-C,4;5;6;16;18
Port Norris.....	CUM-E,5;8;CUM-K,2;3
Rainbow Lake.....	CUM-G,5
Rosenhayn.....	CUM-G,5
Sea Breeze.....	CUM-I,8
Shiloh.....	CUM-D,10;SAL-A,3;4;5
Stowe Creek Twp.....	CUM-D,8;9;10;SAL-A,5;6;SAL-G,1
Town Hall.....	CUM-D,9
Upper Deerfield Two.....	CUM-A,12;CUM-G,7;8;9;CUM-L,4;5;6;7;8;9;10
Vineland.....	CUM-G,1;CUM-H;10;11;12;14

GLOUCESTER

Franklinville.....	CUM-M,4
Malaga.....	CUM-M,4

SALEM

Canton.....	SAL-G,2
Elsinboro Twp.....	SAL-F,5
Hancocks Bridge.....	SAL-F,3
Harmersville.....	SAL-F,2;SAL-G,3
Lower Alloways Creek Twp.....	SAL-P,1;2;3;4;SAL-G,1;2;3
Marlboro.....	SAL-A,8;SAL-F,1
Pecks Corner.....	SAL-A,8
Quinton.....	SAL-A,9;11;12
Quinton Twp.....	SAL-A,7;8;9;10;11;12;13;14;17;18;SAL-F,1
Salem.....	SAL-A,15;16;17;SAL-F,5
Upper Pittsgrove Twp.....	CUM-L,1;2;3;4

APPENDIX

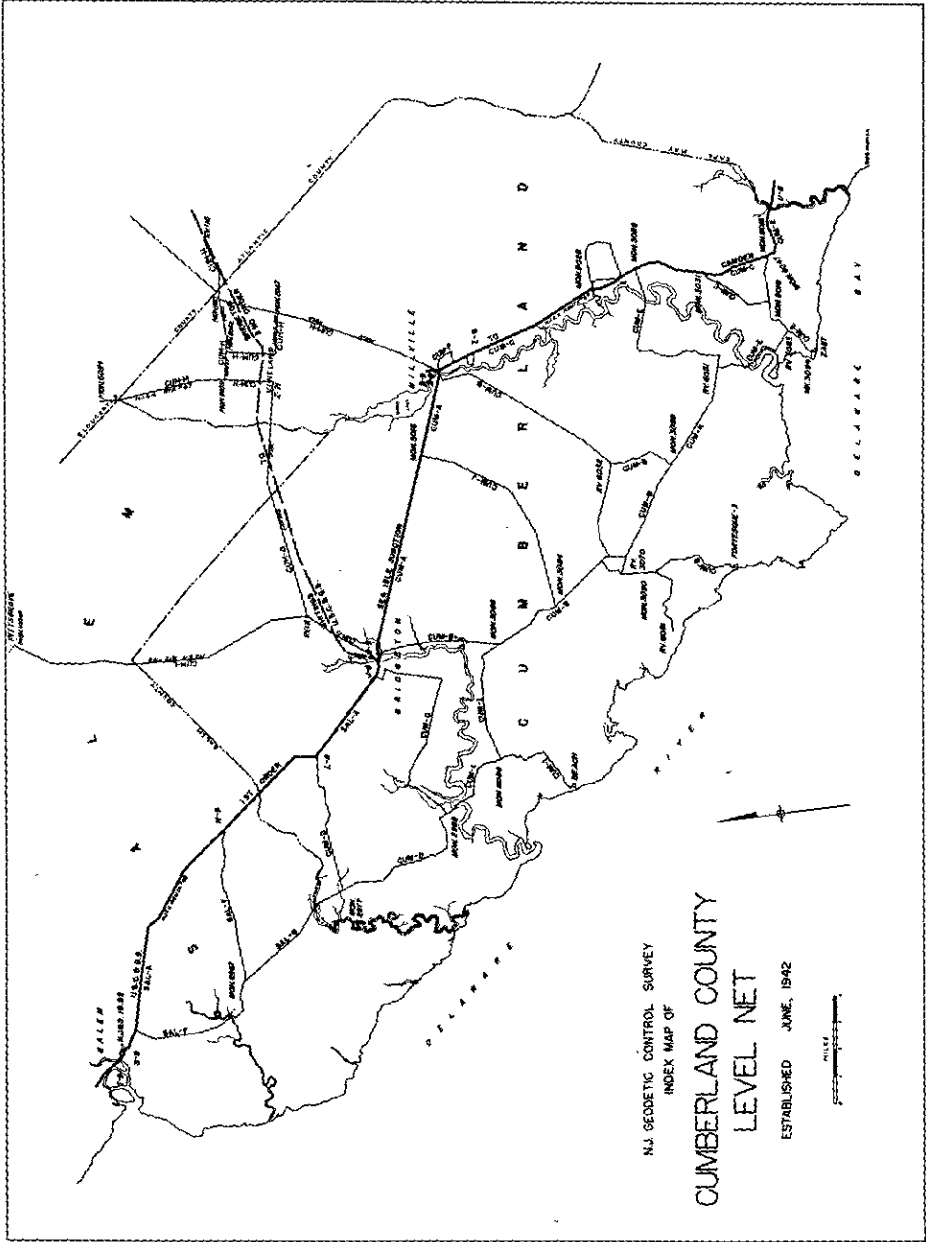
- First Order Leveling of U. S. Coast and Geodetic Survey
- Second Order Leveling of U.S. Coast and Geodetic Survey



CUMBERLAND COUNTY LEVEL NET CORRECTIONS

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

Bridgeton	+ 0.35	Salem	+ 0.45
Millville	+ 0.39		



## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-A page 1

STARTING IN BRIDGETON, CUMBERLAND COUNTY AT EAST COMMERCE AND BANK STREETS, AND RUNNING THENCE EASTERLY ALONG EAST COMMERCE STREET (STATE HIGHWAY ROUTE #49) THROUGH GOULDTOWN, FAIRFIELD TOWNSHIP AND MILLVILLE TOWNSHIP TO THIRD STREET, MILLVILLE, THENCE SOUTHEAST ALONG THIRD STREET ABOUT 1.2 MILES, SAME LOCALITY, THENCE SOUTHERLY ABOUT 0.4 MILE TO STATE HIGHWAY ROUTE #49, SAME LOCALITY, STILL IN CUMBERLAND 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.

- G-9: BRIDGETON, CUMBERLAND CO., N.J. At the corner of East Commerce and Bank Streets, on the southwest corner of the post office. A standard disk, stamped "G-9 1930", and set in concrete.  
Elevation: 11.617 meters or 38.113 ft.
- MON. 3008: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the southwest side of the State Highway Route #49 (E. Commerce St.), opposite the East Lake Dam, about 0.5 miles southeast of its intersection with Pearl St.; 0.17 ft. below ground; 11.0 ft. southeast of an 8 inch maple tree; 63.95 ft. northwest of a pole #ACE-1640; and 40.67 ft. southwest of a pole #BT-67-17. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 25.893 ft.
- MON. 3009: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the northeast side of the State Highway Route #49 (E. Commerce St.), just northwest of the railroad crossing, about 0.8 miles southeast of its intersection with Pearl St.; 0.1 ft. below ground; 9.3 ft. northwest of the west rail of the C.R.R. of N.J. tracks; 26.81 ft. southeast of a pole #BT-67-31; and 39.2 ft. west of the west corner of a Ford Garage. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 59.492 ft.
- RV. 3005: BRIDGETON, CUMBERLAND CO., N.J. About 1.5 miles southeast of Pearl and Commerce Streets, Bridgeton, on Route #49; 4.57 ft. southeast of Atlantic City Electric pole #2317; 0.1 ft. below the centerline of Route #49; 48.4 ft. south of BT pole #67-52; 85.8 ft. southeast of fire hydrant; 51.25 ft. southeast of centerline of Burlington Road; 21.6 ft. southwest of centerline of Route #49. A standard monel metal rivet, set in concrete.  
Elevation: 64.185 ft.

- RV. 3006: FAIRFIELD TWP., CUMBERLAND CO., N.J. About 1.9 miles southeast of Pearl and Commerce Streets, Bridgeton, on Route #49; 0.575 miles southeast of Burlington road; 0.25 ft. below the surface of the ground and 0.7 ft. below the centerline of the highway at this point; 45.1 ft. southwest of BT pole 67-76; 28.8 ft. southwest of centerline of Route #49; 29.35 ft. southwest of ACE pole #3913; 108.73 ft. southeast of southeast corner of home owned by Lucy G. Vaughter. A standard monel metal rivet, set in concrete.  
Elevation: 75.629 ft.
- MON. 3010: FAIRFIELD TWP., CUMBERLAND CO., N.J. On Route #49 about 2.4 miles from the intersection of Routes #49 and #46 in Bridgeton, set 0.35 ft. below the ground and 0.65 ft. below the centerline of the highway; 18.69 ft. north of the centerline of Route #49; 78.55 ft. east of ACE pole #3959; 54.95 ft. southeast of BT pole #67-96. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 89.276 ft.
- MON. 3011: GOULDTOWN, FAIRFIELD TWP., CUMBERLAND CO., N.J. On Route #49 about 2.70 miles southeast of the junction of Routes #49 and #46 in Bridgeton, set 0.1 ft. below the ground, and 0.35 ft. below the centerline of the highway; 24.60 ft. southwest of the centerline of the road; 40.90 ft. southwest of pole #BT-67-108; 79.36 ft. southeast of pole #ACE-3956; and 58.70 ft. southeast of the centerline of the road to Fairton. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 84.345 ft.
- F-9: GOULDTOWN, CUMBERLAND CO., N.J. 200 ft. southeast of a house owned by William Wright, 21.7 ft. north of the centerline of highway #49; 72 ft. east of pole #67-120; 59 ft. west of pole #67-119; and 30 ft. north of pole #3985. A standard disk, stamped "F-9 1950", and set in the top of a concrete post which projects about 2 inches above the ground.  
Elevation: (27.007 meters or 88.605 ft.)
- RV. 3007: FAIRFIELD TWP., CUMBERLAND CO., N.J. On Route #49 about 3.45 miles from Pearl and Commerce Streets in Bridgeton, about 0.4 miles southeast of cross road at the east end of Gouldtown, in a southeasterly direction; 0.25 ft. below the ground and 0.6 ft. below the centerline of Route 49 at this point; 32.06 ft. northwest of the pole #B-75; 46.76 ft. southwest of BT pole #67-137; 66.32 ft. southeast of ACE pole #1866; 19.9 ft. southwest of the centerline of Route #49. A standard monel metal rivet, set in concrete.  
Elevation: 79.169 ft.

## GEODETIC CONTROL SURVEY

1946

## DESCRIPTION OF BENCH MARKS

CUM-A page 3

- RV. 3008: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the southwest side of State Highway Route #49; 3.9 miles southeast from Pearl and Commerce Streets in Bridgeton; 59.77 ft. south of the face of BT pole #87-134; 37.02 ft. southeast of the centerline of the highway; 114.85 ft. southeast of the face of AGE pole #11038 and 122.8 ft. southwest of the face of pole #11039. A standard monel metal rivet, set in concrete.  
Elevation: 80.342 ft.
- RV. 3009: FAIRFIELD TWP., CUMBERLAND CO., N.J. On Route #49 about 4.35 miles southeast of Pearl and Commerce Streets in Bridgeton, opposite Atlantic Gasoline Station; about 0.125 miles southeast of side road on North side of Route #49; 0.1 ft. above the ground and 0.2 ft. below the centerline of Route #49; 59.89 ft. southeast of AGE pole #11205; 79.26 ft. south of BT pole #87-174; 27 ft. southwest of centerline of Route #49. A standard monel metal rivet, set in concrete.  
Elevation: 82.459 ft.
- MON. 3012: FAIRFIELD TWP., CUMBERLAND CO., N.J. On Route #49 about 4.85 miles southeast of the junction of Routes #49 and #48 in Bridgeton; set 0.2 ft. above the ground and 0.8 ft. below the centerline of the road; 34.46 ft. southwest of the centerline of Route #49; 78.60 ft. southwest of BT pole #87-193; 84.46 ft. southeast of BT pole #87-192. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 114.777 ft.
- MON. 3013: MILLVILLE TWP., CUMBERLAND CO., N.J. On Route #49 about 5.2 miles southeast of the junction of Routes #49 and #48 in Bridgeton; set 0.3 ft. below the ground and 0.8 ft. below the centerline of the highway; 17.55 ft. northeast of the centerline of Route #49; 56.85 ft. northeast of the Fairfield-Millville Twp. Line; 53.85 ft. southeast of ME pole #2366; and 18.55 ft. west of BT pole #87-207. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 98.960 ft.
- RV. 3010: MILLVILLE TWP., CUMBERLAND CO., N.J. On Route #49 about 5.325 miles southeast of Pearl and Commerce Streets in Bridgeton, at south end of road that runs north 1 mile to Carmel; set 0.2 ft. below the ground and 2.25 ft. above the center of Route #49 at this point; 62 ft. southwest of Millville Electric pole #2540; 54.1 ft. southwest of centerline of Route #49; 18 ft. south of sign post at end of road leading northeast to Carmel; 99.41 ft. southeast of BT pole #87-231. A standard monel metal rivet, set in concrete.  
Elevation: 104.299 ft.

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUN-A page 4

- E-9:** MILLVILLE TWP., CUMBERLAND CO., N.J. About 5 miles west of Millville, 22 ft. north of the centerline of highway #49, between an apple orchard and a thick wood, 15 ft. northwest of pole #2335, and 49 ft. east of pole #2336. A standard disk, stamped "E-9 1930", and set in the top of a concrete post which projects about 2 inches above the ground.  
Elevation: (30.152 meters or 98.924 ft.)
- RV. 3011:** MILLVILLE TWP., CUMBERLAND CO., N.J. On Route #49, 6.4 miles southeast of Pearl and Commerce Streets in Bridgeton, about 0.55 miles southeast of side road that goes to Carmel; set in a recess in a 2 ft. bank 0.3 ft. above the ground and 0.1 ft. below the centerline of Route #49; 55.87 ft. southwest of Millville Electric pole #2317; 37.5 ft. south of the centerline of Route #49; 61.36 ft. southwest of BT pole #67-254. A standard monel metal rivet, set in concrete.  
Elevation: 105.711 ft.
- RV. 3012:** MILLVILLE TWP., CUMBERLAND CO., N.J. On Route #49, 6.8 miles southeast of Pearl and Commerce Streets in Bridgeton; about 1 mile southeast of side road that goes north to Carmel; set flush with the ground and 0.6 ft. below the centerline of Route #49; 48.67 ft. southwest of Millville Electric pole #2299; 31.92 ft. southwest of centerline of Route #49; 52.5 ft. south of BT pole #67-271. A standard monel metal rivet, set in concrete.  
Elevation: 93.356 ft.
- MON. 3014:** MILLVILLE TWP., CUMBERLAND CO., N.J. On the southwest side, near a driveway to the House of W.S. Bethel, on State Highway Route #49 about 7.1 miles southeast of Pearl St. in Bridgeton, flush with the ground; 25.26 ft. southwest of the centerline of the road; 8.0 ft. east of a 24 inch wild cherry tree; and 29.0 ft. southwest of a pole #BT-67-287. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 79.398 ft.
- MON. 3016:** MILLVILLE TWP., CUMBERLAND CO., N.J. On north side of State Highway Route #49, nearly opposite Hogbin Road, about 7.55 miles southeast of junction of State Highway Routes #49 and #46 in Bridgeton; 0.4 ft. below ground, and 0.6 ft. below centerline grade of highway; 15.80 ft. southwest of BT pole #67-299; 16.70 ft. northeast of centerline of road; 11.33 ft. southeast of pole Millville Electric #1634; 93.68 ft. northeast from northeast corner of, and 113.50 ft. northeast of northwest corner of Economy Grocery Store; and 73.30 ft. northwest of northwest corner of the store building. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 81.596 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-A page 5

- RV. 3084: MILLVILLE TWP., CUMBERLAND CO., N.J. On Route #49 about 8.05 miles southeast from Pearl and Commerce Streets in Bridgeton; about 0.65 miles southeast of the intersection of Hagbin Road with Route #49; 0.15 ft. above the ground; about 0.9 ft. below the centerline of highway; 53.1 ft. southwest of the centerline of Route #49; 68.1 ft. northwest from the northwest corner of the home of Mrs. Beatrice Warwick; 41.14 ft. southwest of Bell Tel. pole (no number); 73.5 ft. southwest of fire-hydrant; 67.8 ft. southeast of BT pole #67-317; about 86.0 ft. southeast of Robert DeHart Garage and Machine Shop. A standard monel metal rivet, set in concrete.  
Elevation: 90.307 ft.
- D-9: MILLVILLE, CUMBERLAND CO., N.J. About 5 miles west of Millville, at the New Jersey Forest Fire Lookout Tower, on the east concrete footing of the tower. A standard disk, stamped "D-9 1880".  
Elevation: (30.348 meters or 99.567 ft )
- MON. 3016: MILLVILLE, CUMBERLAND CO., N.J. About 9.4 miles southeast of the junction of Routes #49 and #46 in Bridgeton; 0.8 ft. below the ground surface; about 0.8 miles east of the Fire Tower; 16.8 ft. northeast of the centerline of Route #49; 14.80 ft. southeast of pole #ME-1544; 18.29 ft. southwest of pole #BT-67-375; 82.0 ft. from the northwest corner of the store of James Hollingsworth; 84.45 ft. from the northeast corner of the same store. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 73.103 ft.
- MON. 3017: MILLVILLE CITY, CUMBERLAND CO., N.J. On the southwest corner at Pearl St. on State Highway Route #49 about 1.2 miles west of its intersection with State Highway Route #47; 0.2 ft. below ground; 41.52 ft. south of the north curb of Main St.; 44.0 ft. south of a pole #BT-67-384; and 13.0 ft. northeast of the northeast corner of a barber shop building. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 53.098 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-A page 6

- RV. 3013: MILLVILLE, MILLVILLE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Millville Tpk., about 10.35 miles southeast from Pearl and Commerce Streets in Bridgeton on Route #49; flush with the ground and 0.2 ft. above the centerline of the road; 21.78 ft. northeast of the centerline of Route #49 and 1.88 ft. northeast of the curb line; 24.9 ft. southeast of BT pole #87-407, referred to home of Mrs. Margaret Clark by the following ties: 32.25 ft. from the southwest corner of the front porch of the home and 24.8 ft. from the southeast corner of the front porch of the home. It is also referred to the home of Paul Breeden by the following ties: 31.6 ft. from the southwest corner of the home and 51.85 ft. from the southeast corner of the home. The home of Mrs. Margaret Clark is #416 West Main St., and the home of Paul Breeden is #414 West Main St.  
Elevation: 22.246 ft.
- A-9: MILLVILLE, CUMBERLAND CO., N.J. On the southeast corner of the Millville National Bank building. A standard disk, stamped "A-9 1950", and set in concrete.  
Elevation: (8.990 meters or 29.495 ft.)
- RV. 3014: MILLVILLE, CUMBERLAND CO., N.J. On the west side of Third St., about 6.58 miles south from Main and Second Sts. in Millville; flush with the ground and 0.2 ft. higher than the centerline of the road; 42.1 ft. southwest of NREL pole #1190; 39.9 ft. northwest of BT pole #86-460; 15.6 ft. east of north corner of the porch of #320 South Third St.; 22.0 ft. northeast of south corner of porch. A standard monel metal rivet, set in concrete.  
Elevation: 29.288 ft.
- Z-8: MILLVILLE, CUMBERLAND CO., N.J. East of a Shell gasoline station at the southeast edge of the town, 27.7 ft. east of the centerline of highway #49; 60 1/2 ft. north of pole #1039; 65 3/4 ft. southeast of pole #1038; 55 1/4 ft. east of pole #56306; and 8.3 ft. southeast of a hydrant. A standard disk, stamped "Z-8 1950", and set in the top of a concrete post which projects about 4 inches above the ground.  
Elevation: (6.906 meters or 22.657 ft.)



NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-A page 7

ADDITIONAL MONUMENTS:

MON. 3079: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the south side of the State Highway Route #49 (E. Commerce St.) about 0.95 miles southeast of its intersection with Pearl St., in front of the house of George Pierce; flush with the ground, opposite the reservoir; 86.00 ft. northeast of the northeast corner of the house of George Pierce; 107.15 ft. northeast of the northwest corner of the same house; and 5.8 ft. southwest of pole ACE-2261. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 91.327 ft.

MON. 3080: BRIDGETON, CUMBERLAND CO., N.J. On the southeast corner of Route #49 and Burlington Road, about 1.25 miles southeast of the junction of Routes #49 and #48 in Bridgeton; flush with the ground and 0.1 ft. below the centerline of the highway; 11.0 ft. southwest of pole #ACE-2317; 26.45 ft. southwest of the centerline of Route #49; 35.0 ft. east of the centerline of Burlington Road; 117.8 ft. southeast of the southeast corner of the Home Town Store owned by Don. Vince. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 64.033 ft.

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

MK. 6011:

N.J.G.S.54.26: BRIDGETON, CUMBERLAND CO., N.J. This bench mark is a cross cut on west end of large upper stone step of front entrance of stone Presbyterian Church, on Commerce Street, in West Bridgeton.  
Elevation: 54.644 ft.

MK. 6010:

N.J.G.S.47.58: BRIDGETON, CUMBERLAND CO., N.J. A cross on the outer corner at the westerly end of granite door sill of main entrance to the Cumberland County Court House on Broad Street.  
Elevation: 47.965 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-A page 8

ADDITIONAL BENCH MARKS:

MON. 6056: MILLVILLE, CUMBERLAND CO., N.J. On the north side of State Highway Route #49, about 6.45 miles southeast of Pearl and Commerce Sts., Bridgeton; 0.3 ft. above the ground, and 0.4 ft. above the centerline of Route #49; 17.8 ft. north of the centerline of Route #49; 3.6 ft. east of ME pole #2316; and 28.97 ft. west of BT pole #67-255. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 105.033 ft.

"ESIBILL": MILLVILLE, CUMBERLAND CO., N.J. About 4 1/4 miles west of Millville, 6 3/4 miles southeast of Bridgeton; about 33.0 ft. east-southeast of a T road; about 57.0 ft. southwest of the centerline of S.H. Rte. #49; about 78.0 ft. south-southwest of Tel. pole #BT-67-264; also referred to R.M. #1 which is 119.70 ft. east of the station; about 18.0 ft. northeast of the centerline of S.H. Rte. #49; 2 ft. northwest of Tel. pole #BT-67-265, and to R.M. #2 which is 114.86 ft. north-northwest; about 21.0 ft. west-northwest of centerline of dirt road; about 18.0 ft. north-east of the centerline of S.H. Rte. #49; both marks being standard U.S.C. & G.S. Ref. mark. disks, set in concrete. A standard U.S.C. & G.S. triangulation station disk, set in concrete.

Elevation: 103.806 ft.

ADDITIONAL MONUMENTS:

MON. 6095: MILLVILLE, CUMBERLAND CO., N.J. On the south side of Route #49, about 5.8 miles south of the junction of Routes #49 and #46 in Bridgeton, and opposite Miller Ave., which runs northeast to Carmel; 0.2 ft. below the ground; 82.0 ft. southwest of ME pole #2340; 44.1 ft. southwest of the centerline of Route #49; 18.0 ft. south of sign post at end of road leading northeast to Carmel. A standard N.J.G. C.S. bronze disk, set in concrete.

Elevation: 104.290 ft.

MON. 6085: MILLVILLE, CUMBERLAND CO., N.J. On the north side of Route #49, about 6.1 miles southeast of the junction of Routes #49 and #46 in Bridgeton, in front of the Water Tower of the April Orchards; 0.2 ft. below the ground; 16.37 ft. northeast of the centerline of Route #49; 57.79 ft. west of BT pole #244; 60.58 ft. southeast of ME pole #2328; 82.0 ft. from the southwest corner of the Cumberland Fruit Market (road side stand). A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 99.288 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUM-A page 9

MON. 6084: MILLVILLE TWP., CUMBERLAND CO., N.J. On the north side of Route #49, about 400 ft. west of the Fire Tower; about 8.8 miles southeast of the junction of Routes #49 and #46 in Bridgeton; 0.2 ft. below the ground; 13.20 ft. north of the centerline of Route #49; 52.35 ft. northwest of pole #MR-1673; 31.06 ft. southwest of pole #MR-1584; 24.70 ft. southwest of a fire hydrant; 18.0 ft. southeast of a wooden cross drain under sidewalk. A standard U.S.C.& G.S. & S.S. disk, set in concrete.  
Elevation: 93.810 ft.

MON. 6088: MILLVILLE, CUMBERLAND CO., N.J. About 0.2 miles east of Fire Tower; about 9.1 miles southeast of the junction of Routes #49 and #46 in Bridgeton; 0.2 ft. above the ground; 31.0 ft. south of the centerline of Route #49; 82.85 ft. southwest of pole #MR-1561; 55.97 ft. southeast of pole #BT-67-358; 22.0 ft. from a 12 inch pine tree; 102.18 ft. southeast of and 99.37 ft. southwest of the porch of the house of George C. Sharp. A standard U.S.C.& G.S. & S.S. disk, set in concrete.  
Elevation: 81.301 ft.

MON. 6094: MILLVILLE, CUMBERLAND CO., N.J. On the south side of Route #49, about 0.55 miles east of Hogbin Road and about 8.1 miles southeast of the junction of Routes #49 and #46 in Bridgeton; flush with the ground; 33.10 ft. southwest of the centerline of the road; 88.10 ft. from the northwest corner of the home of Mrs. Beatrice Warwick; 41.18 ft. southwest of BT pole; 83.60 ft. southeast of the northeast corner of the Robert DeHart Garage and Machine Shop. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 90.292 ft.

ADDITIONAL BENCH MARKS:

MK. 6018: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the station property of the Pennsylvania and Reading Seashore Lines, at the southeast corner of South Pearl Street and Lemon Street; 23.0 ft. east of the center of South Pearl Street; 27.90 ft. south of the southwest corner of the Railroad Station; 5.50 ft. southeast of pole ACE-1984; 10.78 ft. west of the westerly rail of the siding; in the top of a 6" x 6" concrete post 12 inches above the ground. A bronze bolt.  
Elevation: 11.111 ft.

NEW JERSEY

1940

GEODETIC CONTROL SURVEY

CUM-A page 10

DESCRIPTION OF BENCH MARKS

*Destroyed  
1/61*

MON. 12016: BRIDGETON, CUMBERLAND CO., N.J. On the southwest corner of Jefferson and Pearl Streets; flush with sidewalk; 7.04 ft. south of, and 10.69 ft. southwest of, two drill holes in curb; 25.71 ft. south of a nail in the centerline of Jefferson Street; 11.35 ft. south of ACE pole #1588; 13.21 ft. southeast of cross cut in base of a street sign; 58.65 ft. northeast of northeast corner of Texaco Station; and 3.36 ft. northwest of northwest corner of a concrete block with a Texaco sign. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 10.259 ft.

*Destroyed  
1/61*

MK. 6019: BRIDGETON, CUMBERLAND CO., N.J. On State Highway Route #49, in the center of the northwest concrete gate post of the highway bridge over Cohansy Creek. A three inch standard bronze disk, set in concrete.

Elevation: 16.877 ft.

*Recovered  
11/61*

MON. 12017: BRIDGETON, CUMBERLAND CO., N.J. On the south side of Broad Street, about 50.0 ft. southeast of the entrance to the Cumberland County Court House; flush with sidewalk; 8.27 ft. south of, and 7.97 ft. west of two drill holes in curb; 6.85 ft. southwest of edge of curb; 5.27 ft. south of ACE pole #728; 12.55 ft. north of cut on concrete wall; and 17.56 ft. east of west corner of same wall. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 38.136 ft.

*NO. 12017 ON STANDARD*

INTERMEDIATE RUN FROM MON. 3009 TO MON. 9072:

MK. 6012:  
N.J.G.S. 28.17: BRIDGETON, CUMBERLAND CO., N.J. At the northeast corner of the waste gates, at the southeast corner of East Lake in the City of Bridgeton; 38.0 ft. north of the center of East Commerce St. (State Highway Route #49); 0.20 ft. west of, and 0.20 ft. south of the edge of the concrete slab; 2.50 ft. east of the southeast belt of the foundation of the easterly wheel operating the gates; 5.57 ft. north of a granite wall running (east and west) across the dam; and 11.85 ft. northwest of the end of this wall. A chiseled cross.

Elevation: 28.695 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940 - 1942

DESCRIPTION OF BENCH MARKS

CUM-A page 11

**MON. 9073:** CITY OF BRIDGETON, CUMBERLAND CO., N.J. In the front of the Martin Dye Works, near the west end of East Lake Dam; flush with the ground; 398.3 ft. southeast of the centerline of East Ave.; 20.45 ft. south of the centerline of East Commerce St.; 1.45 ft. southwest of the face of the concrete curb; 9.47 ft. southeast of an 8 inch maple tree; 43.87 ft. south of a nail in pole BT-ACE-1650; and 31.78 ft. west of a nail in pole ACE-1642. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 26.028 ft.

**MON. 9072:** CITY OF BRIDGETON, CUMBERLAND CO., N.J. At the northwest corner of East Commerce St. and Church St., about 69.0 ft. north of northeast corner of the M.E. Church; flush with ground; 14.15 ft. south of a fire hydrant on west side of Church St.; 11.08 ft. southeast of a marble corner marking northwest corner of Church St. and East Commerce St.; 52.9 ft. southeast of the west corner of concrete block wall; 19.70 ft. north of centerline of East Commerce St. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 40.011 ft.

END OF INTERMEDIATE RUN.

INTERMEDIATE RUN: MON. 3080 TO MON. 9068.

**MK. 9054:** CITY OF BRIDGETON, CUMBERLAND CO., N. J. Flush in the concrete headwall, over Indian Field Branch Run, at the southwest intersection of Burlington Road and Irving Ave; 1.45 ft. south of the north end of concrete headwall; 0.63 ft. west of the east side of concrete headwall. A galvanized iron bolt.  
Elevation: 47.236 ft.

**PT. 9056:** CITY OF BRIDGETON, CUMBERLAND CO., N. J. Top of fire hydrant at northeast junction of Burlington Road and side road (No name); side road is about 190 ft. north of centerline of Indian Avenue; 27.60 ft. east of the centerline of Burlington Road; 205 .0 ft. north of the centerline of Indian Avenue.  
Elevation: 91.045 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-A Page 12

- MK. 9055: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the northeast side of Burlington Road, about 700 ft. southeast of Rosenhayn Road; set flush in the concrete headwall over Jackson Run; 17.0 ft. northeast of the centerline of Burlington Road; 60.48 ft. southeast of pole ACE & BT #1132; 0.4 ft. northwest of south end of concrete culvert. A galvanized iron bolt.  
Elevation: 56.458 ft.
- JOHN DAYRE: UPPER DEERFIELD TWP., CUMBERLAND COUNTY, N. J. A 6" x 6" granite post, about 5" above the surface, on the north side of Rosenhayn Road; about 0.90 mile east of the junction of Burlington Road and Rosenhayn Road; 54.4 ft. southeast of a nail in an apple tree; 50.32 ft. east of a nail in an apple tree; 56.0 ft. northeast of a nail in pole ACE 200; 31.15 ft. west of a nail in pole; 129.79 ft. northwest of the northwest corner of house of J. Doz; 38.0 ft. north of the centerline of Rosenhayn Road. Set by U.S.C&G.S. Elevation 113.562 ft.
- MK. 9057: UPPER DEERFIELD TWP., CUMBERLAND COUNTY, N. J. On the north side of Rosenhayn Road at Jackson Run; 20.0 ft. north of the centerline of Rosenhayn Road; 8.0 ft. south of edge of concrete pipe bell; 15.10 ft. northeast of ACE pole 9925; a galvanized iron bolt set flush in top of concrete pipe culvert bell.  
Elevation: 60.712 ft.
- MON. 9068: BRIDGETON, CUMBERLAND COUNTY, N. J. At the intersection of the Penna-Reading Seashore Line tracks, and the Rosenhayn Road, about 200 ft. northeast of the Salem Brass and Iron Foundry, and about 250 ft. east of Byers Pork Packing Plant; 14.50 ft. northwest of the centerline of the Rosenhayn Road; 8.0 ft. northeast of centerline of the R.R. tracks, and is 87.0 ft. southwest of centerline of the Central R.R. of N. J. tracks; 161.85 ft. southwest of south corner of the Eastern Plate Glass Window Co., and 28.85 ft. west of pole BT-444-BI. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 69.254 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

CUM-A Page 13

INTERMEDIATE NUM: MK. 6019 TO Q-20-1935.

- DISK 9029:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the west corner of the bottom stone step extending to the Cumberland National Bank at the northwest corner of the intersection of East Commerce Street and Laurel Street in Bridgeton. A standard U.S.C&G.S.&S.B. disk.  
Elevation: 11.822 ft.
- MK. 9030:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the north-west corner of the intersection of Washington and Laurel Streets in Bridgeton; flush in the concrete sidewalk. A galvanized iron bolt; 0.65 ft. northwest from the curb of Laurel Street; 0.75 ft. southeast from a fire hydrant; 15.75 ft. northeast from pole ACE B-1430.  
Elevation: 15.241 ft.
- MK. 9031:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the north-east intersection of Laurel Street and Irving Avenue in Bridgeton; 3.77 ft. southwest of the edge of a sewer drain; 1.90 ft. southwest of pole ACE B-1535. A galvanized iron bolt set flush in the concrete curb.  
Elevation: 41.587 ft.
- Q-20,1935:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. About 1/2 mile north of the Central Railroad water tank, 18 ft. south of the track, in the southwest headwall of a culvert. A standard U.S.C.&G.S. disk, stamped Q-20 1935, set in a concrete culvert headwall.  
Elevation: 22.402 ft.
- LOOP NUM: DISK 9029 TO Q-20,1935.
- MK. 9037:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In concrete curb at entrance to Atlantic County Electric Co. Sub Station on Gohanssy Street, between Church Lane and East Commerce Street; 37.2 ft. northwest of centerline of Gohanssy Street; 0.55 ft. southwest of edge of concrete curb; 0.40 ft. southeast of edge of concrete curb. A galvanized iron bolt.  
Elevation: 10.637 ft.
- MK. 9038:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In flagstone border around grating under Despatch Window of waiting room of Central R.R. of N.J. Station on Gohanssy Street between Washington Street and Irving Avenue, 8.74 ft. southeast of nearest rail of C.R.R.N.J. tracks; 0.55 ft. northwest of face wall of Station; 0.55 ft. northeast of edge of flagstone border. A cross.  
Elevation: 12.666 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-A Page 14

Q-20, 1935; CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. About  $\frac{1}{2}$  mile north of the Central Railroad water tank, 18 ft. south of the track, in the southwest headwall of a culvert. A standard U.S.C. & G.S. disk, stamped Q-20, 1935, set in a concrete culvert headwall.  
Elevation: 22.402 ft.

INTERMEDIATE RUN: MK. 6019 TO MON. 9086.

MK. 9024: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the curb at the northwest corner of the junction of Laurel and Glass Streets; 14.25 ft. west of the centerline of Laurel Street; 22.35 ft. north of the north edge of the nearest rail of the Penn. & Reading Railroad siding; 7.22 ft. northeast of fire hydrant; 1.8 ft. south of the south edge of iron frame of sewer drain. A galvanized iron bolt, set flush in curb.  
Elevation: 6.588 ft.

MON. 9086: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the west side of lane running from Mill Street to E. Commerce Street, past the City Hall, and northwest of a large water tank, about 0.25 mile south of intersection of Commerce and Pearl Streets in Bridgeton; flush with ground; 41.0 ft. west of the centerline of the lane; 23.58 ft. northwest of concrete foundation of northeast leg of the water tank; 9.70 ft. northwest of concrete foundation of northwest leg of said water tank. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 10.053 ft.

TIE RUN: G-9, 1930 TO RV. 131.

MON. 3067: BRIDGETON, CUMBERLAND COUNTY, N. J. On S. H. Route 46 (Pearl St.) at Washington Street, on the northeast corner, on the property of Lewis Linker, flush with the ground; 0.5 ft. above the crown of the road; 18.05 ft. east of the centerline of Pearl Street; 36 ft. north of the centerline of Washington Street; 5.3 ft. southwest of an 8" maple tree; 0.91 ft. east of the curb line of Route 46; 1.77 ft. southeast of an iron drain box; 12.03 ft. northwest of the southwest corner of a brick post at the southwest corner of the fence bounding in the property of said Lewis Linker. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 31.622 ft.



## GEODETTIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-A Page 15

- MK. 9063: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the north west of top stone step in entrance to Baptist Church, at the northeast junction of Marion and No. Pearl Streets in Bridgeton. A cross.  
Elevation: 48.705 ft.
- MON. 3068: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On S. H. Route 46 at Irving Avenue; on the northwest corner, about 0.37 mile northeast of S. H. Route 49; 0.5 ft. above the crown of the road; 20.7 ft. west of the centerline of S. H. Route 46; 5.6 ft. northeast of a fire hydrant; 19.18 ft. east of the northeast corner of the Atlantic & Pacific Store building; 26.0 ft. northeast of southeast corner of same building. A standard U.S.C & G.S. & S.S. disk, set in concrete  
Elevation: 47.312 ft.
- MK. 9061: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the south intersection of North Pearl and Orchard Streets in Bridgeton; 10.5 ft. southeast of the edge of the curb on North Pearl Street; 9.65 ft. southwest of the edge of the curb on Orchard Street. A galvanized iron bolt, set flush in curb.  
Elevation: 72.813 ft.
- RV. 3052: BRIDGETON, CUMBERLAND COUNTY, N. J. Approximately 0.8 mi. northeast from Pearl and Commerce Streets in Bridgeton on Route 46; set flush with the ground; 0.4 ft. higher than the highway at this point; 22.9 ft. southeast of the centerline of the highway; 32.0 ft. northeast of BT pole #3-1514; 19.6 ft. northwest of the northwest corner of house # 373 North Pearl Street; 29.93 ft. north west of the southwest corner of house #371 North Pearl Street. A standard monel metal rivet.  
Elevation: 78.209 ft.
- RV. 3053: BRIDGETON, CUMBERLAND COUNTY, N.J. Approximately 1.05 mi. northeast from Pearl and Commerce Streets. Bridgeton on Route 46; flush with the ground and 0.4 ft. above the centerline of the highway at this point; 14.6 ft. southwest of the northwest corner of the porch of house #497 North Pearl Street; 29.6 ft. northwest of the southwest corner of porch of house #495 North Pearl Street; 9.26 ft. southeast of curbline; 28.76 ft. southeast of the centerline of Route 46. A standard monel metal rivet.  
Elevation: 75.415 ft.

Bridgeton

Atlantic

## NEW JERSEY

Cumberland Co.

## GEODETIC CONTROL SURVEY

1942

## DESCRIPTION OF BENCH MARKS

CUM-A Page 16

MK. 9062: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb, at the south junction of North Pearl Street and Rosenhayn Avenue in Bridgeton; 20.0 ft. southeast of the centerline of North Pearl Street; 6.73 ft. north of pole ACE 2796; 40.50 ft. west of pole BT #144. A galvanized iron bolt, set flush in the curb.

Elevation: 73.725 ft.

MON. 3069: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On S. H. Route #46, about 1.65 miles northeast of its intersection with S. H. Route #49; on the northwest side of the road, flush with the ground; 24.69 ft. south of the south corner of Olsen's Garage; 62.35 ft. southwest of the east corner of the same building; 47.0 ft. northeast of pole ACE-2825; 57.28 ft. north of pole BT 3-1474. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 85.561 ft.

RV. 131: BRIDGETON JUNCTION, CUMBERLAND COUNTY, N. J. About 2.4 miles northeast of Court House at Bridgeton, on Central Railroad, at M.P. 131; 45 ft. north of track. A raised lug on base of mile post set by the Central Railroad Co.

Elevation: 85.466 ft.

LOOP RUN: G-9 1930 TO MON. 12016.

MK. 6064: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the dead end of Lemon Lane, on the crest of a steep embankment, about 750 ft. southeast of East Commerce Street and about 150 ft. east of Orange Street; 44.64 ft. northeast of the northeast corner of house (#21 Lemon Lane); 29.58 ft. southeast of the southeast corner of house (#24 Lemon Lane) and 5.55 ft. south of a small poplar tree. A galvanized iron bolt, set in concrete.

Elevation: 23.665 ft.

MON. 12016: BRIDGETON, CUMBERLAND COUNTY, N. J. On the southwest corner of Jefferson and Pearl Streets; flush with sidewalk; 7.04 ft. south of, and 10.69 ft. southwest of two drill holes in curb; 25.71 ft. south of a nail in the centerline of Jefferson Street; 11.35 ft. south of ACE pole 1588; 13.21 ft. southeast of cross cut in base of a street sign; 58.65 ft. northeast of northeast corner of Texaco Station; 3.35 ft. northwest of northwest corner of a concrete block with a Texaco sign. A standard N. J. G. C. S. disk, set in concrete.

Elevation: 10.259 ft.

Destroyed  
1/6/61

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1942

## DESCRIPTION OF BENCH MARKS

CUM-A Page 17

INTERMEDIATE RUN: MK. 9031 TO MK. 9008.

- MK. 9064: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb, at the north west junction of Lanning and North Laurel Streets in Bridgeton; 21.0 ft. northwest of centerline of North Laurel Street; 13.60 ft. northeast of the centerline of Lanning Street; 5.90 ft. southwest of pole ACE 3-1940. A galvanized iron bolt set flush in the concrete curb.  
Elevation: 47.344 ft.
- MK. 9065: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the northwest intersection of North Street and North Laurel Street in Bridgeton; 20.0 ft. west of the centerline of North Laurel Street; 14.0 ft. north of the centerline of North Street; 4.60 ft. southwest of pole BT #109-081. A galvanized iron bolt set flush in the concrete curb.  
Elevation: 62.222 ft.
- MK. 9066: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the southwest junction of main entrance to Owen's Illinois Glass Plant and North Laurel Street in Bridgeton. 19.0 ft. west of the centerline of North Laurel Street; 19.10 ft. south of the centerline of main entrance to Owens Illinois Glass Plant; 27.80 ft. northeast of northeast corner of Owens Illinois Glass Co. main office building. A galvanized iron bolt, set flush in concrete curb.  
Elevation: 53.359 ft.
- MK. 9067: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the southwest junction of entrance to Owens Illinois Glass Parking Lot, in Bridgeton; 20.7 ft. west of the centerline of North Laurel Street; 14.0 ft. south of the centerline of entrance to Owens Illinois Glass Parking Lot; 12.10 ft. northeast of pole ACE 2631. A galvanized iron bolt set flush in the concrete curb.  
Elevation: 50.920 ft.
- MK. 9068: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the northeast intersection of American Ave., and North Laurel St., in Bridgeton; 15.0 ft. southeast of the centerline of North Laurel St., 11.95 ft. northwest of pole ACE 2346; 2.0 ft. southwest of a mail box. A galvanized iron bolt set flush in the concrete curb.  
Elevation: 59.679 ft.

## NEW JERSEY

GEOLOGIC CONTROL SURVEY

Cumberland County  
1942

DESCRIPTION OF BENCH MARKS

CUM-A Page 18

MK. 9008: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Flush with the west concrete headwall of the culvert carrying the old Bridgeton to Deerfield Pike over Stone Bridge Run; 31.45 ft. west of the centerline of the Deerfield Pike; 40.03 ft. south of the North edge of the wall. A galvanized iron bolt.

Elevation: 45.342 ft.

INTERMEDIATE RUN: MK. 6019 TO MON. 5900.

DISK 9025: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Flush in the concrete curb at the northwest intersection of Vine and Water Streets; 20.0 ft. east of edge of sewer drain; 2.2 ft. southeast of pole ACE 992; 12.62 ft. south of pole #682. A standard U.S.C. & G.S. disk.

Elevation: 13.934 ft.

MK. 9026: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete drain head on the north side of Lane about 200 ft. east of intersection of Water Street and Lane leading to Sinclair Oil Co. plant; 12.45 ft. north of centerline of Lane; 5.30 ft. east of edge of nearest rail of C.R.R. tracks; 0.5 ft. west of east edge of concrete; 0.6 ft. south of north edge of concrete; 26.75 ft. northwest of pole ACE & BT 698-B-1. A galvanized iron bolt.

Elevation: 7.594 ft.

DISK 9028: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete step of the Filtration Plant, Station No. 1; on the west step of the plant, 0.45 ft. from the front of the step; 0.75 ft. from the north side of the step; flush in step. A standard N.J.G.C.S. disk.

Elevation: 8.783 ft.

NJ: 9027: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete drain head on Central R.R. of N.J. about 70 ft. east of Water Street; 2.80 ft. north of south edge of concrete; 0.35 ft. east of west end of concrete; 8.15 ft. west of west rail of Central R. R. tracks. A galvanized iron bolt.

Elevation: 5.492 ft.

MON. 5900: BRIDGETON, CUMBERLAND COUNTY, N. J. On the east side of Fayette Street about 1.0 mile south of the intersection of State Route 49 and Fayette St. in Bridgeton; flush with the ground; 37.55 ft. north of pole EP 1298; 16.6 ft. east of the centerline of the road; 89.30 ft. south of pole EP-1297. A standard U.S.C & G.S. & S.S. disk, set in concrete.

Elevation: 32.164 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1942

CUM-A Page 19

INTERMEDIATE RUN: Q-20, 1935 TO MK 9002.

MK. 9009: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Flush with the northwest end of the westerly headwall of the bridge carrying the tracks of the Central Railroad of N. J. (Bridgeton to Greenwich) over the Raceway in the Bridgeton City Park; 1.75 ft. north-east from the northerly rail; 0.85 ft. northwest from easterly face of the wall; 1.73 ft. southwest from an angle in the wall. A galvanized iron bolt.  
Elevation: 23.796 Ft.

MK. 9002: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb on the west side of West Avenue about 20 ft. south of the junction of West Commerce Street Extension with West Avenue and about 16.0 ft. north of the railroad crossing over West Avenue; 6.60 ft. north-east of pole Bt - and 1.10 ft. south of a drain basin. A galvanized iron bolt.  
Elevation: 38.089 ft.

INTERMEDIATE RUN: MK. 9009 to DISK 9006.

MK. 9010: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the north end of a concrete curb on the East side of the Bridle Path on the east side of the Raceway in the Bridgeton City Park; 31.7 ft. northeast from the center of the Park Drive; 18.1 ft. northeast from the northeast corner of bridge carrying the drive over the Raceway; 0.33 ft. east of west face of the curb; 0.80 ft. southwest of the northerly end of the curb. A galvanized iron bolt.  
Elevation: 20.468 ft.

MK. 9011: BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete headwall of the intake pipe of the pump house on the east side of the Raceway in the City Park; 15.46 ft. southwest from the northwest corner of the brick pump house; 10.00 ft. southwest from the southwest corner of the brick pump house 1.10 ft. north of the southerly end of the wall; 0.25 ft. west of the easterly edge of the wall. A galvanized iron bolt.  
Elevation: 18.741 ft.

MK. 9011:

NEW JERSEY  
GEOLOGICAL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

GUM-A Page 20

**DISK 3006:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Flush in the concrete curb on the northwest corner of bridge over the Reservoir of Sunset Lake of the City Park; 5.2 ft. southeast from the edge of the walk; 8.45 ft. northwest of edge of the curb; 8.75 ft. north east; of the end of the curb. A standard U.S.C. & G.S. disk.  
Elevation: 29.685 ft.

ADDITIONAL BENCH MARKS.

**BRIDGETON-1935:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N.J. On the property of the City of Bridgeton at the concrete water reservoir on Route #49, about 1 mile southeast of Pearl and Commerce Streets; 22.75 ft. south of the reservoir, 13 paces northeast of the Kiwanis sign; 23 paces east-southeast of the north post of the Rotary sign; 3 inches above surface of the ground; 119.80 ft. southwest of R.M. #1 which is about 24.0 ft. east of water reservoir; about 24.0 ft. northwest of 12" pine trees; 4 inches above the ground; R. M. #1 is a standard U.S.C. & G.S. Reference Mark; disk, in concrete; 162.67 ft. northeast of Mon. 3079 which is on the south side of S. E. Route #49; 5.8 ft. southwest of AGE pole 2261; 86.0 ft. northeast from northeast corner of George Pierce home and 107.2 ft. northeast from northwest corner of same home; flush with the ground; Mon. 3079 is a standard U.S.C. & G.S. & S.S. disk, set in concrete. A standard U.S.C. & G.S. triangulation disk, set in concrete.  
Elevation: 106.679 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-B page 1

DESCRIPTION OF BENCH MARKS

STARTING IN BRIDGETON, CUMBERLAND COUNTY, AT THE HIGH SCHOOL, AND RUNNING THENCE SOUTHEASTERLY TO A POINT ON STATE HIGHWAY ROUTE #49 (BROAD STREET) ABOUT 0.25 MILES NORTHWEST OF ATLANTIC STREET, THENCE IN A GENERAL SOUTHEASTERLY DIRECTION TO A POINT ON SOUTH AVENUE ABOUT 0.55 MILES SOUTH OF PEARL AND COMMERCE STREETS, SAME LOCALITY, THENCE SOUTHEAST ALONG SOUTH AVENUE (BRIDGETON-PORT MORRIS ROAD), THROUGH FAIRTON AND "NEW ENGLAND CROSS ROADS", FAIRFIELD TOWNSHIP, CEDARVILLE LAWRENCE TOWNSHIP, BEAVER DAM, DOWNE TOWNSHIP TO THE ROAD LEADING SOUTHWEST TO TURKEY POINT, SAME TOWNSHIP, DIVIDING CREEK, SAME TOWNSHIP, THENCE IN A GENERAL NORTHEASTERLY DIRECTION ALONG DIVIDING CREEK-MILLVILLE ROAD THROUGH MILLVILLE TOWNSHIP TO STATE HIGHWAY ROUTE #49 (MAIN STREET), MILLVILLE, THENCE EASTERLY ALONG STATE HIGHWAY ROUTE #49 (MAIN STREET) ABOUT 0.25 MILE, THENCE NORTH TO THE NATIONAL BANK BUILDING, SAME LOCALITY, STILL IN CUMBERLAND 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.

J-9: BRIDGETON, CUMBERLAND CO., N.J. On the southeast corner of the Bridgeton High School. A standard disk, stamped "J-9 1930," and set vertically in the brick wall.  
Elevation: (24.541 meters or 80.515 ft.)

*Recovered 1/61*

MON. 5007: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the east corner of a Driveway, on the south corner of property #149 Broad St., on State Highway Route #49, about 0.25 miles northwest of its intersection with Atlantic St.; flush with the curb; 72.15 ft. south of the south corner of house #149 Broad St.; 7.98 ft. southwest of a 24 inch Linden tree; 41.78 ft. northwest of a pole #7152-11. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 55.505 ft.

*Recovered 7/61*

MON. 5061: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the east side of the road, in front of house #85 South Ave., about 0.55 miles south of the intersection of Pearl and Commerce Sts. 2.1 ft. east of the face of the curb; 55.0 ft. northeast of a pole #ACE-2009; 20.1 ft. southwest of the southwest corner of house #85 South Ave. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 30.249 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

GUM-B page 2

- MON. 3062: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the west side of the road, in front of a double house #240-2 South Ave., about 0.9 miles south of the intersection of Pearl and Commerce Sts. in Bridgeton; 0.2 ft. below ground; 1.06 ft. west of the curb line; 59.8 ft. north of a fire hydrant; 17.9 ft. southeast of the northeast corner of the double house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 33.775 ft.
- RV. 3046: BRIDGETON, CUMBERLAND CO., N.J. On South Ave., about 1.43 miles south from Commerce and Pearl Sts. in Bridgeton; 0.2 ft. below the ground and 0.3 ft. above the centerline of the highway; 17.0 ft. southeast of the centerline of the road; 20.9 ft. southwest of northwest corner stone of property belonging to J. Kenny; 40.4 ft. northwest of south west corner of home of J. Kenny; 31.0 ft. south of the centerline of Sharp Ave. A standard monel metal rivet, set in concrete.  
Elevation: 22.745 ft.
- RV. 3047: FAIRFIELD TWP., CUMBERLAND CO., N.J. On road to Port Norris, about 1.95 miles south of Commerce and Pearl Sts. in Bridgeton; about 0.15 miles south of Rocaps Run; flush with the ground, and 0.3 ft. below the centerline of the road; 44.0 ft. south of the centerline of road leading west; 1/2 mile to the home of Barton P. Sharp; 62.0 ft. southwest of RT pole #3-1624; 23.5 ft. west of the centerline of the Port Norris Road; and 5.8 ft. northwest of ACE pole #4006. A standard monel metal rivet, set in concrete.  
Elevation: 22.002 ft.
- MON. 3063: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the west side of the Bridgeton-Port Norris Road, opposite the house of E.W. Ebeling, about 2.6 miles south of the intersection of Pearl and Commerce Sts. in Bridgeton; 0.5 ft. below ground; 20.0 ft. west of the centerline of the road; 54.7 ft. north of a pole #ACE-4056; and 67.9 ft. southwest of a pole #BT-3-1649 1/2. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 61.066 ft.



- MON. 3064: FAIRTON, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of the Bridgeton-Port Norris Road about 2.95 miles south of the intersection of Pearl and Commerce Sts. in Bridgeton, just north of the house of W. Carson; 0.2 ft. below ground; 27.7 ft. east of the centerline of the road; 22.6 ft. north of a pole #BT-3-1657 1/2; and 86.4 ft. southeast of a pole #ACE-4071. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 43.028 ft.
- RV. 3048: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the Port Norris Road, about 3.5 miles south from Commerce and Pearl Sts.; 0.3 ft. below the ground, and 0.1 ft. below the centerline of the highway; about 150.0 ft. southwest of Smith Bros. Grocery Store; 25.12 ft. northwest of centerline of road; 20.51 ft. from the southwest corner of the home of E. P. Trenchard; 24.8 ft. from the southeast corner of the home of Fred C. Borden; 58.2 ft. northwest of BT pole #3-1677; 51.8 ft. southwest of ACE pole #4117. A standard monel metal rivet, set in concrete.  
Elevation: 23.622 ft.
- RV. 3049: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the Port Norris Road, about 4.0 miles south from Commerce and Pearl Sta. in Bridgeton, about 0.15 miles southeast of the Fairton M.E. Church; flush with the ground, and 0.4 ft. below the centerline of the highway; 21.85 ft. northwest of the centerline of the road; 23.1 ft. southwest of ACE pole #4369; 59.0 ft. northwest of #BT pole; 99.8 ft. northeast of ACE pole #4370. A standard monel metal rivet, set in concrete.  
Elevation: 41.689 ft.
- MON. 3065: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of the Bridgeton-Port Norris Road, about 4.6 miles south of the intersection of Pearl and Commerce Sts. in Bridgeton, opposite the house of J. Whittaker; 0.2 ft. below ground; 21.9 ft. east of the centerline of the road; 32.4 ft. south of a pole #ACE-4397; 61.2 ft. southeast of a pole #BT-310-10. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 40.766 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-B page 4

DESCRIPTION OF BENCH MARKS

- MON. 3066: FAIRFIELD TWP., CUMBERLAND CO., N.J. At a cross road, on the north point of land, on the Bridgeton-Port Norris Rd, about 4.96 miles south of the intersection of Pearl and Commerce Sts. in Bridgeton; 0.1 ft. below ground; 53.4 ft. west of the centerline of the Bridgeton-Port Norris Road; 37.0 ft. east of a pole #BT-3-1753; and 44.0 ft. south of the southwest corner of a gasoline station. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 30.171 ft.
- RV. 3060: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the Port Norris Road, about 5.45 miles south from Commerce and Pearl Sts. in Bridgeton; flush with the ground, 0.3 ft. above the centerline of the road; about 0.49 mile south from New England Cross Road; 26.75 ft. southwest of the centerline of the road; 40.4 ft. northwest of BT pole #3-1780; 53.7 ft. west of ACE pole #4553; 87.6 ft. from the south corner of gas station owned by James F. Coleman. A standard monel metal rivet, set in concrete.  
Elevation: 32.329 ft.
- RV. 3051: LAWRENCE TWP., CUMBERLAND CO., N.J. On the Port Norris Road, about 6.0 miles south from Commerce and Pearl Sts. in Bridgeton; about 1.04 miles south of Old New England Cross Road; 0.2 ft. above the ground, and 0.2 ft. below the centerline of the highway; 24.8 ft. southwest of the centerline of the road; 11.7 ft. northwest of BT pole #3-1800; 78.6 ft. southwest of ACE pole #4578; 78.6 ft. northwest of ACE pole #4579; 73.4 ft. from the northeast corner of the home owned by Frank Quadling. A standard monel metal rivet, set in concrete.  
Elevation: 34.467 ft.
- MON. 3082: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the west corner at Sheppards Ave., on the Bridgeton-Port Norris Road, about 6.35 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton, in front of the house of Harry Rain; flush with the ground; 22.4 ft. southwest of the centerline of the Bridgeton-Port Norris Road; 9.75 ft. southeast of a pole #BT-3-1320; and 66.45 ft. north-east of the south corner of the house of Harry Rain. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 38.692 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-B page 5

- MON. 3083: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the east corner of a side road to Lummis Mill; on the Bridgeton-Port Norris Road, about 6.62 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton; in front of the house of George R. Hewitt; 0.1 ft. below the ground; 42.15 ft. northeast of the centerline of the Bridgeton-Port Norris Road; 61.60 ft. southeast of the south corner of the porch of the house of Lewis Brandriff; 5.20 ft. southeast of a pole #ACE-4728. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 31.024 ft.
- RV. 3065: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 7.05 miles south from Commerce and Pearl Sts. in Bridgeton; west of Cedar Lake; flush with the ground; 0.5 ft. above the centerline of the highway; 135.0 ft. northwest of Esso Gas Station, owned by William Bonham; 25.4 ft. northwest of ACE pole #B-4789; 90.01 ft. northwest of BT pole #1851; 57.0 ft. west of concrete wall on the west end of Cedar Lake; 29.0 ft. west of the centerline of the highway; 74.20 ft. southwest of BT pole #1850; 59.5 ft. south of ACE pole #4767. A standard mensel metal rivet, set in concrete.  
Elevation: 14.055 ft.
- MON. 3084: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the northeast side of the Bridgeton-Port Norris Road, about 7.5 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton; in front of the house of Frank Campbell; flush with the ground; 21.0 ft. northeast of the centerline of the Bridgeton-Port Norris Road; 45.80 ft. northeast of a pole #ACE-4870; and 74.25 ft. southeast of the north corner of the house of Mary Whitaker. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 34.053 ft.
- MON. 3085: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the southwest side of the Bridgeton-Port Norris Road about 7.77 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton, opposite a side road; 0.1 ft. below ground; 19.4 ft. southwest of the centerline of the Bridgeton-Port Norris Road; 99.30 ft. southeast of the east corner of the house of Edward Jagers; and 6.90 ft. northwest of a pole #ACE-4-988. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 28.516 ft.

DESTROYED

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUM-B page 6

- RV. 3064: LAWRENCE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 8.25 miles south from Commerce and Pearl Sts. in Bridgeton; about 1.15 miles southeast from Cedar Lake; 0.2 ft. above the ground, and 0.1 ft. below the centerline of the highway; 20.4 ft. southwest of the centerline of the highway; 27.6 ft. southeast of ACE pole #4933; 56.5 ft. south of BT pole #3-1895; referred to the home of D. Guglielmo by the following ties: 104.0 ft. from the western corner of the home and 134.65 ft. from the south corner of the home; 55.2 ft. southeast of the centerline of the dirt road leading off to the southwest. A standard monel metal rivet, set in concrete.  
Elevation: 31.914 ft. DESTROYED.
- RV. 3065: LAWRENCE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 8.75 miles south from Commerce and Pearl Sts. in Bridgeton; about 1.65 miles southeast from Cedar Lake; about 0.1 mile north of Gulf Gas Station; 0.2 ft. above the ground and 0.2 ft. below the centerline of the highway; 22.3 ft. southwest of the centerline of the road and 4.9 ft. northwest of ACE pole #4972; 56.1 ft. west of BT pole #3-1915; referred to the frame shack owned by G.F. Mayhew by the following ties: 56.95 ft. from the northeast corner of the shack, and 67.2 ft. from the southeast corner of the shack. A standard monel metal rivet, set in concrete.  
Elevation: 31.444 ft.
- MON. 3066: LAWRENCE TWP., CUMBERLAND CO., N.J. On the southwest side of the Bridgeton-Port Norris Road, about 9.45 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton, near the house of Wm. Page; flush with the ground; 19.25 ft. southwest of the centerline of the road; 65.00 ft. west of a pole #ACE-5171; and 59.1 ft. north of the northeast corner of the house of Wm. Page. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 21.051 ft.
- MON. 3067: LAWRENCE TWP., CUMBERLAND CO., N.J. On the east corner of the cross road, on the Bridgeton-Port Norris Road, about 9.75 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton, east of the home of Albert Carter; 0.2 ft. below ground; 60.0 ft. southeast of the centerline of the sideroad; 19.60 ft. northeast of the centerline of the Bridgeton-Port Norris Road; 9.80 ft. southeast of a pole #ACE-5-185. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 16.203 ft.

NEW JERSEY  
GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUN-B page 7

- RV. 3086: DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 10.3 miles southeast from Commerce and Pearl Sts. in Bridgeton; about 0.2 miles south of cross roads; about 3.2 miles southeast of Cedar Lake; 0.1 ft. below the ground, and 0.1 ft. above the centerline of the road; 20.5 ft. east of the centerline of the road; 32.1 ft. north of ACE pole #3348; 48.5 ft. northeast of BT pole #3-1979; 102.1 ft. southeast of BT pole #3-1978; 94.7 ft. south of ACE pole #3347. A standard monel metal rivet, set in concrete.  
Elevation: 11.923 ft.
- RV. 3070: DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 10.7 miles south from Pearl and Commerce Sts. in Bridgeton; south of T-intersection of the Port Norris Road and road going northwest to Newport; 0.2 ft. below the ground, and 0.4 ft. below the centerline of the road; 15.8 ft. southwest of the centerline of the Newport Road; 5.85 ft. southeast of road sign post; 22.5 ft. northwest of ACE pole #5366; 68.3 ft. southeast of BT pole #320-1. A standard monel metal rivet, set in concrete.  
Elevation: 11.516 ft.
- MON. 3095: DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Bridgeton-Port Norris Road, about 5.40 miles northwest of Dividing Creek (at the forks of the road to Mauricestown in front of the house of Mary Jane Harvey; 0.1 ft. below ground; 17.20 ft. northeast of the centerline of the road; 5.6 ft. south of a 14 inch pear tree; and 55.0 ft. southeast of a pole #BT-3-2024. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 12.398 ft.
- MON. 3098: DOWNE TWP., CUMBERLAND CO., N.J. On the southwest side of the Newport-Port Norris Road, about 0.4 miles northwest of Beaver Dam and 3.10 miles northwest of Dividing Creek (at the forks in the road to Mauricestown); in front of a woods flush with the ground; 16.5 ft. southwest of the centerline of the road; 9.8 ft. west of a pole #ACE-5410; and 59.9 ft. southwest of a pole #BT-3-2036. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.347 ft.
- RV. 3071: BEAVER DAM, DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 12.1 miles south from Pearl and Commerce Sts. in Bridgeton; in the southeast abutment of the highway bridge over Cranook Creek. A standard monel metal rivet, set in concrete.  
Elevation: 5.126 ft.

NEW JERSEY

1940

GEODETTIC CONTROL SURVEY

CUM-B page 8

DESCRIPTION OF BENCH MARKS

- RV. 3072: DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 12.65 miles south from Pearl and Commerce Sts. in Bridgeton; about 0.55 miles southeast of Beaver Dam; 0.2 ft. above the ground, and 0.1 ft. above the centerline of the highway; 16.0 ft. southwest of the centerline of the road; 33.45 ft. southwest of cross-road sign; 4.7 ft. northwest of ACE pole #5451; 127.4 ft. southeast of ACE pole #5450; about 500 ft. southeast of forks in the road. A standard monel metal rivet, set in concrete.  
Elevation: 7.625 ft.
- MON. 3097: DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Newport-Port Norris Road, about 1.1 miles southeast of Beaver Dam, in front of a brick electric sub-station; 0.1 ft. below ground; 20.2 ft. northeast of the centerline of the road; 88.0 ft. west of the west corner of the house of Noah Newcomb; and 43.3 ft. northeast of a transformer pole #ACE-5476. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.357 ft.
- MON. 3098: DOWNE TWP., CUMBERLAND CO., N.J. At a fork with the old road, on the east side of the Newport-Port Norris Road, about 1.35 miles southeast of Beaver Dam; flush with the ground; 22.7 ft. east of the centerline of the road; 3.70 ft. northwest of a pole #RT-3-2113; and 40.0 ft. northeast of a pole #ACE-5490. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.664 ft.
- RV. 3073: DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 14.0 miles south from Pearl and Commerce Sts. in Bridgeton; about 0.45 miles southeast of Log Cabin Gas Station owned by Philip Wood; 0.1 ft. above the ground, and 0.1 ft. below the centerline of the road; 17.0 ft. southwest of the centerline of the road and 6.5 ft. southeast of ACE pole #5514; 54.7 ft. southeast of BT pole #3-2136; 98.0 ft. southwest of BT pole #3-2137; 113.7 ft. northwest of ACE pole #5515. A standard monel metal rivet, set in concrete.  
Elevation: 7.506 ft.

## GEODETIC CONTROL SURVEY

CUM-B page 9

## DESCRIPTION OF BENCH MARKS

- MON. 3099: DIVIDING CREEK, DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Newport-Port Norris Road, about 0.35 miles northwest of the Dividing Creek bridge, near the road to Turkey Point; 0.1 ft. below ground; 20.0 ft. north-east of the centerline of the road; 4.0 ft. southeast of an 8 inch buttonwood tree; 13.55 ft. west of the south corner of the barber shop building of Albert Garrison. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.684 ft.
- RV. 6034: DOWNE TWP., CUMBERLAND CO., N.J. On the Millville-Dividing Creek Road, about 9.65 miles southwest from the highway bridge over the Maurice River at Millville; about 2.2 miles southwest of the Dividing Creek R.R. Station; about 1/2 mile north from the Dividing Creek Post Office, just south of a curve in the road to the northwest; in the east end of the north concrete head wall of the Spillway over Mill Creek. A standard monel metal rivet, set in concrete.  
Elevation: 5.729 ft.
- RV. 6033: DOWNE TWP., CUMBERLAND CO., N.J. On the Millville-Dividing Creek Road, about 8.45 miles southwest from the highway bridge over Maurice River at Millville; 1 mile southwest of the Dividing Creek R.R. Station; 0.25 miles northwest of Saw Mill owned by John Chechinko, about 120 ft. south of curve to the northeast in the road; in concrete head wall of culvert on the west side of the road. A monel metal rivet, set in concrete.  
Elevation: 10.720 ft.
- RV. 6032: DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Millville-Dividing Creek Road, at the Dividing Creek station of the C.R.R. of N.J., about 7.43 miles southwest from the highway bridge over the Maurice River at Millville 400 ft. northwest of the centerline of the Millville-Dividing Creek Road, at the old sand plant of Whitehead Brothers just north of the Dividing Creek R.R. station; in the concrete engine base on the southeast corner of the base; 49.0 ft. northeast of the main tracks of the R.R.; 6.0 ft. southeast of the wooden retaining wall; and 9.50 ft. southwest of a large twin Oak tree. A standard monel metal rivet, set in concrete.  
Elevation: 50.000 ft.

- RV. 6031: DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Millville-Dividing Creek Road, about 5.0 miles southwest of the highway bridge over Maurice River at Millville; about 1.7 miles southwest of the intersection of the Millville-Dividing Creek Road with the Buckshutem-Bridgeton Road; 1.3 miles southwest of the Buckshutem Swamp; in the northwest head wall of the concrete culvert over Gravelly Run; 17.5 ft. west of the centerline of the Millville-Dividing Creek Road; 0.37 ft. southeast of the west edge of the head wall. A standard monel metal rivet, set in concrete.  
Elevation: 46.364 ft.
- RV. 6030: MILLVILLE & DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Millville-Dividing Creek Road (Narrow Lane Rd) about 3.75 miles southwest of the highway bridge over the Maurice River in Millville; about 0.4 miles southwest of the intersection of the Buckshutem Road with the Millville Road; in the northwest head wall of the concrete culvert over the main branch of the Buckshutem Swamp; 19.0 ft. west of the centerline of the Millville-Dividing Creek Rd, 0.51 ft. south of the northeast edge of the head wall; 0.39 ft. southeast of the northwest edge of the head wall. A standard monel metal rivet, set in concrete.  
Elevation: 35.525 ft.
- RV. 6029: MILLVILLE TWP., CUMBERLAND CO., N.J. In the south end of the west head wall of the concrete culvert over Silver Run; about 1.25 miles southwest from the highway bridge over the Maurice River, Millville; on the Millville-Maurice town Road; 17.0 ft. west of the centerline of the Millville-Mauricetown Road; 0.90 ft. west of the east edge of the wall; 1.47 ft. north of the south edge of the wall; 0.83 ft. north of cross cut of the Riparian Survey; opposite the office of the Geo. Pettionos Inc. sand plant. A standard monel metal rivet, set in concrete.  
Elevation: 10.707 ft.
- RV. 6028: MILLVILLE TWP., CUMBERLAND CO., N.J. In the west concrete head wall of the culvert, over the White Marsh Branch of Maurice River, about 0.53 miles southwest from the Highway bridge, over the Maurice River at Millville, on the Millville-Mauricetown road; on the north end of the west head wall; 26.00 ft. west of the centerline of the road; 0.82 ft. south of the north edge of the wall; 0.31 ft. southeast of the iron pipe guard rail; 0.54 ft. south from a cross cut (this cross cut is a B.M. of the Riparian Survey). A standard monel metal rivet, set in concrete.  
Elevation: 9.763 ft.



## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-B page 11

A-9: MILLVILLE, CUMBERLAND CO., N.J. On the southeast corner of the Millville National Bank building. A standard disk, stamped "A-9 1930", and set in concrete.  
Elevation: (8.990 meters or 29.495 ft.)

SPUR RUN FROM RV. 3070 to "PORTESQUE 3"

MON. 3088: NEWPORT, DOWNE TWP., CUMBERLAND CO., N.J. On the north side of the Landing Road, about 0.85 miles southwest of the main road to Bridgeton; on the Newport-Portesque Road at its intersection with the road to Port Norris; flush with the ground; 18.0 ft. north of the centerline of the Landing Road; 9.40 ft. east of a pole #BT-317-39; 61.00 ft. northwest of the northwest corner of the store of Charles E. Gaskill. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.442 ft.

MON. 3089: NEWPORT, DOWNE TWP., CUMBERLAND CO., N.J. On the Newport-Portesque Road, about 0.5 miles south of the Landing Road; on the east side of the road, at a curve; flush with the ground; 18.0 ft. east of the centerline of the road; 14.0 ft. south of a 36 inch maple tree; and 14.7 ft. north of a 36 inch maple tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.766 ft.

MON. 3090: DOWNE TWP., CUMBERLAND CO., N.J. On the northwest side of the Newport-Portesque Road, about 0.85 miles south of its intersection with the Landing Road, opposite the house of Morton Bradford; 0.1 ft. above ground; 17.0 ft. northwest of the centerline of the road; 78.0 ft. northeast of the centerline of a dirt road; 5.4 ft. northeast of a pole #BT-AC-317-75. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.561 ft.

RV. 3087: DOWNE TWP., CUMBERLAND CO., N.J. On the Newport-Portesque Road, about 12.3 miles south from Pearl and Commerce Sts. in Bridgeton; about 1.35 miles south of T-road intersection in Newport; about 0.2 miles southeast of forks in road; 0.3 ft. below the ground, and 0.9 ft. below the centerline of the road; 14.0 ft. northeast of the centerline; 38.6 ft. east of BT pole #317-95; 128.3 ft. northwest of BT pole #317-96; 154.8 ft. southeast of BT pole #317-94. A standard monel metal rivet, set in concrete.  
Elevation: 8.153 ft.

- MON. 3091: DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Newport-Fortesque Road, about 2.0 miles northeast of Fortesque Creek, near the house of Gertie Corson; 0.3 ft. below ground; 13.0 ft. west of the centerline of the road; 68.00 ft. northwest of a 38 inch hickory tree; 23.8 ft. northeast of a pole #BT-117. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.645 ft.
- MON. 3092: DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Newport-Fortesque Road, about 1.7 miles northeast of Fortesque Creek; 0.3 ft. below ground; 13.0 ft. west of the centerline of the road; 20.0 ft. northeast of a 12 inch apple tree; 15.0 ft. north of a pole #BT-AC-129. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.939 ft.
- RV. 3068: DOWNE TWP., CUMBERLAND CO., N.J. On the Newport-Fortesque Road, about 13.8 miles south from Pearl and Commerce Sts. in Bridgeton, near the end of the fast land; about 1.25 miles south of George's Gas Station; about 2.85 miles south-east of T-road intersection in Newport; flush with ground; 0.15 ft. below the centerline of the road; 16.0 ft. east of the centerline of the road; 52.0 ft. south of BT pole #317-155; 85.35 ft. northwest of BT pole #317-156; 1.8 ft. west of a guard rail. A standard monel metal rivet, set in concrete.  
Elevation: 5.875 ft.
- RV. 3069: DOWNE TWP., CUMBERLAND CO., N.J. On the Newport-Fortesque Road, about 14.35 miles south from Pearl and Commerce Sts. in Bridgeton; 0.5 miles northeast of Bridge crossing Fortesque Creek; 0.2 ft. below the ground; 0.3 ft. below centerline of the highway; 16.0 ft. northwest of the centerline of the road; 12.2 ft. southeast of BT pole #317-179; 128.0 ft. northeast of BT pole #317-180. A standard monel metal rivet, set in concrete.  
Elevation: 4.495 ft.
- MON. 3093: FORTESQUE, DOWNE TWP., CUMBERLAND CO., N.J. On the east side of the Newport-Fortesque Road at Fortesque Creek, near Garrison Lodge; 0.1 ft. below ground; 21.0 ft. east of the centerline of the road; 70.0 ft. southwest of the south-west corner of the Garrison Lodge; 13.30 ft. south of a pole #BT-201. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.365 ft.

## NEW JERSEY

Cumberland County

1940

## GEODETIC CONTROL SURVEY

CUM-B page 13

## DESCRIPTION OF BENCH MARKS

**R.M.2-PORTESQUE #5**, DOWNE TWP., CUMBERLAND CO., N.J. On the west side of the Newport-Portesque Road, about 0.25 miles south of Portesque Creek; flush with the ground; 59.0 ft. west of the centerline of the road; 74.6 ft. southwest of a pole #BT-211; 7.0 ft. southeast of a bay tree. A standard U.S.C. & G.S. R.M. disk, set in concrete.  
Elevation: 8.922 ft.

**PORTESQUE 3**: PORTESQUE, CUMBERLAND CO., N.J. At the summer resort of Portesque, about 4 miles southeast of Newport and 65.4 ft. southeast of the southeast corner of Portesque House; referred to R.M.#3 which is 91.4 ft. east of the station 16.4 ft. southwest of the centerline of the street; and 2.0 ft. west of a tel. pole; said reference mark #3 being a standard U.S.C. & G.S. reference mark disk, set in concrete. A standard U.S.C. & G.S. Triangulation Station disk, set in concrete.  
Elevation: 8.132 ft.

SPUR ELIMINATION: RV. 3066 to RV. 6032:

**MON. 6076**: DOWNE TWP., CUMBERLAND CO., N.J. At the southeast corner of the Newport-Shaws Mills Road, and the Port Norris-Bridgeton Road, about 10.0 miles southeast of the intersection of Routes #49 and #46 in Bridgeton; 0.3 ft. below ground; 65.45 ft. north of pole #ACE-5340; 123.90 ft. west of the northwest corner of Richard Cosier's house; 77.05 ft. southeast of pole ACE-5196. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.725 ft.

**MON. 6075**: DOWNE TWP., CUMBERLAND CO., N.J. On the south side of the Newport-Shaws Mills Road, about 0.25 miles northeast of the Port Norris-Bridgeton Road, (Frames Corner); 0.4 ft. above surface of road; 17.2 ft. southeast of the centerline of the road; 87.97 ft. west of pole #ACE-5208; 76.75 ft. northeast of pole #ACE-5207; 45.85 ft. southeast of pole #BT-315-10. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 17.082 ft.

## DESCRIPTION OF BENCH MARKS

**JOSCELYNE 2; DOWNE TWP., CUMBERLAND CO., N.J.** On land belonging to Howard Joscelyne, on the south side of a sand and gravel road, about 1 mile northeast of the Newport Post Office; 22.0 ft. south of the centerline of the aforementioned sand and gravel road; 150.5 ft. east of a 4 ft. oak tree; and about 151 ft. east-southeast of dwelling house on north side of same road; also referred to R.M.#2 which is 108.35 ft. east-northeast of station; and 21.0 ft. south of the centerline of the aforementioned sand and gravel road; and to R.M.#3 which is 95.40 ft. west-southwest of the station and 21.0 ft. north of the centerline of the same 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 Station disk, set in concrete.  
Elevation: 67.700 ft.

**R.M.#2-JOSCELYNE 2; DOWNE TWP., CUMBERLAND CO., N.J.** On the south side of the above mentioned sand and gravel road, about 21.0 ft. south of the centerline and 108.35 ft. east-northeast of triangulation station Joscelyne 2. A standard U.S.C. & G.S. reference mark disk, set in concrete.  
Elevation: 62.210 ft.

**RV. 6065; DOWNE TWP., CUMBERLAND CO., N.J.** On the west bank of Gravelly Pond, in the southeast corner of a concrete engine base, formerly used to pump water for sand mining; 125. ft. north of the Central R.R. of N.J.; 30.0 ft. west of the centerline of Dam; 13.5 ft. north of a road along the Dam; and 0.5 ft. west of the edge; 0.5 ft. north of the edge of the base. A standard monel metal rivet, set in concrete.  
Elevation: 37.025 ft.

ADDITIONAL BENCH MARKS:

**MON. 9086; CITY OF BRIDGETON, CUMBERLAND CO., N.J.** On the west side of lane running from Mill St. to E. Commerce St., past the City Hall, and northwest of a large water tank, about 0.25 miles south of intersection of Commerce and Pearl Sts. in Bridgeton; flush with ground; 41.0 ft. west of the centerline of the lane; 23.58 ft. northwest of concrete foundation of northeast leg of the water tank; 9.70 ft. northwest of concrete foundation of northwest leg of said water tank. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 10.053 ft.

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-B page 15

- MON. 9087:** CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the southeast corner of South Ave. and Pamphylia Ave.; flush with the ground; 16.45 ft. east of the centerline of South Ave.; 51.0 ft. south of the centerline of Pamphylia Ave.; 12.10 ft. southwest of the corner of cement wall; 20.89 ft. southwest of the north corner of, and 27.72 ft. northwest of south corner of house #383 South Ave. A standard N.J. G.C.S. disk, set in concrete.  
Elevation: 35.765 ft.
- MON. 9088:** CITY OF BRIDGETON, CUMBERLAND CO., N.J. On west side of South Ave. at the junction of centerline of Sharp Street with South Ave.; 0.20 ft. below ground; 15.5 ft. west of the centerline of South Ave.; 26.90 ft. south of pole #ACE-2158; 44.50 ft. southwest of pole #ACE-1524; 46.98 ft. northwest of a 6" X 6" monument on southeast corner of Sharp St. and South Ave.; 76.65 ft. northwest of the north corner of house #513 South Ave.; 53.35 ft. northwest of Rivet #3046. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 22.680 ft.
- MON. 9089:** CITY OF BRIDGETON, CUMBERLAND CO., N.J. On east side of South Ave., about 1.8 miles south of intersection of Commerce and Pearl Sts in Bridgeton; about 600.0 ft. northwest of Rocaps Run; flush with ground; 15.70 ft. east of the centerline of South Ave.; 74.15 ft. southeast of pole #ACE-2170; 84.60 ft. southeast of the south corner of house #600; 59.35 ft. northeast of pole #ACE-2171; 110.90 ft. northeast of north corner of Stalke house; 34.37 ft. south of pole #BT-3-1613. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 23.975 ft.
- MON. 9090:** FAIRFIELD TWP., CUMBERLAND CO., N.J. On the west side of County Route #9, 151.0 ft. north of the centerline of Sharp's lane, about 500.0 ft. south of Rocaps Run; 0.4 ft. below road shoulder; 24.26 ft. southwest, 20.46 ft. west, and 29.93 ft. northwest of three railroad spikes in the centerline of Route #9; 78.41 ft. northwest of a railroad spike in centerline intersection of Route #9 and Gouldtown Road (produced); 49.72 ft. northwest of pole #BT-3-1623; 68.40 ft. north of pole #ACE-4005; 75.13 ft. south of pole #ACE-4004; and 75.85 ft. north of a cedar tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 21.348 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

- MON. 9091: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of County Route 9, about 2.35 miles south of intersection of Commerce and Pearl Sts. in Bridgeton; about 0.3 miles northwest of the Country Club; 6.2 ft. below road shoulder; 23.19 ft. southeast, 19.30 ft. east, and 26.16 ft. northeast of 3 monel metal rivets in centerline of Route 9; 131.71 ft. southeast of pole #ACE-4036; 40.46 ft. northeast of pole #ACE-4037; and 22.82 ft. south of pole #BT-1633 1/2. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 19.273 ft.
- MON. 9092: FAIRTON, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the west side of County Route 9; about 3.45 miles south of Pearl and Commerce Sts. in Bridgeton; about 1000 ft. northwest of Smith Bros. Store in Fairton; flush with the ground; 7.52 ft. north of arrow cut in curb return; 29.0 ft. west of nail in centerline of road; 73.60 ft. southwest of northwest corner, and 72.16 ft. northwest of southwest corner of Old Mill; 14.90 ft. southeast of southeast corner of brick steps; 25.95 ft. south of pole #ACE-4089; and 78.14 ft. northeast of north corner of Joseph Shoemaker's roadstand. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 14.668 ft.
- MON. 9093: FAIRTON, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of County Route 9, in the south angle of Lummis Mill Road, about 4.10 miles south of Commerce and Pearl Streets, in Bridgeton; about 0.15 mile south of Livingston store at Seabreeze Road and Route 9; 0.3 ft. below ground; 18.95 ft. east of centerline of Route 9; 63.98 ft. northeast of ACE pole #4366; 52.98 ft. northwest of BT pole #731-8; 48.40 ft. northwest of northeast corner and 22.51 ft. northwest of northwest corner of concrete wall at P. Webster's house; 56.40 ft. southwest of fence post in northwest angle of road leading east from Lummis Mill Road; and 83.25 ft. southeast of pole in south angle of corner of Route 9 and Roskville Road. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 41.279 ft.
- MON. 9094: FAIRTON, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the west side of County Route 9, about 6.70 miles south of Commerce and Pearl Sts. in Bridgeton, about 0.7 mile south of Fairton; 0.6 mile north of New England Cross Roads; 6 inches below ground; 11.25 ft. southwest, 9.34 ft. southwest and 11.52 ft. west of three drill holes in curb; 19.07 ft. southwest of nail in centerline of road; 130.35 ft. southwest of southwest corner of B. Serata's house; 6.17 ft. southeast of ACE pole #4388; and 189.30 northwest of pole on east side of road. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 54.658 ft.

## NEW JERSEY

Cumberland County

1940

## GEODETIC CONTROL SURVEY

CUM-B page 17

## DESCRIPTION OF BENCH MARKS

- MON. 9095: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of County Route 9, about 5.2 miles south of Commerce and Pearl Sts. in Bridgeton, and about 0.2 mile south of New England Cross Roads; flush with ground; 21.98 ft. northeast of centerline of County Route 9; 74.47 ft. east of BT pole #3-1770; 5.56 ft. south of corner post of wire fence; 82.58 ft. northwest of northeast corner of house owned by Cumberland National Bank; 36.21 ft. northwest of pole #ACE-4545; and 82.15 ft. north of BT pole #1771. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 32.454 ft.
- MON. 9096: NEW ENGLAND CROSS ROADS, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the southwest side of County Route 9, about 5.50 miles south of Commerce and Pearl Sts. in Bridgeton; 0.50 mile south of New England Cross Roads; flush with ground; 18.66 ft. southwest, 12.31 ft. southwest, and 14.69 ft. west of 3 drill holes in curb; 22.06 ft. southwest of nail in centerline of road; 13.96 ft. north of Rivet #3050; 49.46 ft. northwest of BT pole #1780; 9.4 ft. northeast of a wire fence; 70.78 ft. southwest of south corner of Coleman Gas Station; and 129.30 ft. southwest of south corner of J.F. Coleman's house. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 32.532 ft.
- MON. 9097: NEW ENGLAND CROSS ROADS, FAIRFIELD TWP., CUMBERLAND CO., N.J. On the northeast side of County Route 9, about 5.75 miles south of Commerce and Pearl Sts. in Bridgeton; 0.75 mile south of New England Cross Roads; 0.3 ft. below the ground; 13.49 ft. southeast, 11.10 ft. northeast, and 16.15 ft. northeast of 3 drill holes in curb; 20.71 ft. northeast of a nail in centerline of road; 47.30 ft. northeast of BT pole #3-1783; 44.65 ft. north of old wild Cherry tree; 70.13 ft. northwest of west corner of a shanty; and 48.10 ft. south of south corner of A. Romona's house. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 34.099 ft.
- MON. 9098: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the southwest corner of Sayres Neck Road and County Route #9, about 0.9 mile north of Cedarville; about 1.2 miles south of New England Cross Roads; flush with ground; 52.64 ft. southwest of centerline of Route 9; 18.5 ft. southeast of the centerline of the Sayres Neck Road; 36.44 ft. southeast of pole #BT-3-1810; 9.47 ft. northwest of an 18 inch Maple; 38.20 ft. northwest of southeast corner of house owned by the Land Bank; 18.63 ft. north of the northeast corner of same; and 15.55 ft. northeast of 28 inch Maple tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 31.040 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

- PT. 8088:** CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the west side of County Route 9, about 275 ft. north of the junction of County Route 9, and a dirt road leading east near Vincents Italian Store; 1.76 ft. east of, 3.10 ft. southeast of, and 2.89 ft. northeast of, 3 drill holes in curb; 21.78 ft. northwest of, and 21.08 ft. southwest of, 2 nails in the centerline of County Route 9; 4.66 ft. east of a nail in a maple tree; and 29.91 ft. southeast of the southeast corner of the house of Jessie Stiles (Lawn Mowers). A standard monel metal rivet, set in concrete.  
Elevation: 27.647 ft.
- MON. 9099:** CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the southwest side of County Route 9, in the west angle of a side street on the ground of Cohansy Baptist Church; 1 inch below ground; 42.84 ft. southwest of the centerline of Route 9; 23.00 ft. northwest of the centerline of the side street; 8.62 ft. northwest of the end of curb on the side street; 52.3 ft. northwest of ACE pole #4788; 14.23 ft. northeast of 18 inch maple; 124.13 ft. east of the south corner of, and 30.06 ft. southeast of the east corner of Cohansy Baptist Church; 3.68 ft. southwest of an 18 inch maple tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 30.420 ft.
- MON.12008:** CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the northeast side of County Route 9, about 1000 ft. southeast of Railroad Ave. in Cedarville; 11.25 ft. southeast, 9.67 ft. northeast, and 11.27 ft. north of 3 drill holes in roadway curb; 4.16 ft. south of drill hole in curb of driveway and 19.39 ft. northeast of a nail in centerline of road. A standard N.J.G.C.S. disk, cemented in concrete.  
Elevation: 32.646 ft.
- MON.12000:** LAWRENCE TWP., CUMBERLAND CO., N.J. On the northeast side of County Route 9, about 10.58 miles southeast of Commerce and Pearl Sts. in Bridgeton; 1.0 mile south of Cedarville; flush with ground; 19.58 ft. northeast of the centerline of Route 9; 41.65 ft. northeast of ACE pole #4908; 194.67 ft. north of the north corner of the house of "Mayhew"; 104.0 ft. southeast of the ACE pole #4907; 9.58 ft. northeast of the curb; 44.76 ft. northwest of BT pole #3-1890; 11.8 ft. southwest of wire fence. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 35.469 ft. DESTROYED.



## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-B page 19

- MON. 12001: LAWRENCE TWP., CUMBERLAND CO., N.J. On the southwest side of County Route 9, just northwest of Shaws Mill Road, about 1.3 miles south of town of Cedarville; 1 inch below the ground; 19.10 ft. southwest of the centerline of Route 9; 81.58 ft. south of BT pole #3-1907; 65.09 ft. southeast of the north corner, and 42.78 ft. east of the south corner of the home "Linden"; 2.48 ft. northeast of ACE pole #4964; 78.75 ft. northwest of BT pole #3-1908. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 32.948 ft.
- MON. 12002: LAWRENCE TWP., CUMBERLAND CO., N.J. On the northeast side of County Route 9, about 0.40 mile south of Shaws Mill Road, and about 1.7 miles south of town of Cedarville; flush with ground; 14.87 ft. southeast, 13.13 ft. northeast, and 15.17 ft. north of 3 drill holes in curb; 23.11 ft. northeast of a nail in centerline of road; 45.80 ft. northeast of nail in ACE pole #4982; 6.18 ft. southeast of pole (no number); and 115.36 ft. northwest of ACE pole #4983. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 33.587 ft.
- MON. 12003: NEWPORT, LAWRENCE TWP., CUMBERLAND CO., N.J. On the northwest side of County Route 29, about 0.30 mile north of the Newport Station Road, in the east angle of a roadway to Charles Gates house; 0.2 ft. below ground; 16.2 ft. northwest of centerline of Route 29; 93.32 ft. northeast of pole on south side of Gates Lane; 54.09 ft. south of west corner of, and 48.31 ft. southwest of south corner of and 77.27 ft. southwest of east corner of Charles Gates house. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 8.254 ft.
- MON. 12004: NEWPORT, LAWRENCE TWP., CUMBERLAND CO., N.J. On the south side of Newport Station Road at its junction with County Route 29; 0.2 ft. below ground; 7.81 ft. southeast, and 5.65 ft. south of 2 drill holes in curb; 14.62 ft. south of a nail in centerline of road; 4.94 ft. south of bolt in curb; and 21.55 ft. west of a nail in pole #BT-317-25. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 6.614 ft.

SPUR RUN FROM MON. 3090 TO RV. 8061:

## NEW JERSEY

## GEODESIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-B page 20

- RV. 3067: DOWNE TWP., CUMBERLAND CO., N.J. About 12.5 miles south from Pearl and Commerce Sts. in Bridgeton; on the Newport-Portesque Road; about 1.35 miles south of T-road intersection in Newport; about 0.2 mile southeast of forks in road; 0.1 ft. below the ground and 0.9 ft. below the center line of the road; 14.81 ft. northeast of belt in center line; 58.62 ft. east of nail in pole #BT-317-95; 128.50 ft. north of pole #BT-317-96; 154.8 ft. southeast of #BT pole #317-94; 48.55 ft. northwest of the corner of chimney of Green House; 54.88 ft. southeast of nail in twin oak; 17.84 ft. southeast of, and 17.32 ft. northeast of, two bolts both in center line of road. A standard monel metal rivet, set in concrete.  
Elevation: 8.153 ft.
- RV. 6057: DOWNE TWP., CUMBERLAND CO., N.J. About 13.7 miles south of Pearl and Commerce Sts. in Bridgeton; about 1.7 miles southwest of the Newport Grammar School; in concrete wall on the southeast side of the Newport Neck Road; in the southwest corner of the wall of the front entrance to the house of Carl Bauder, on the center line of the wall; 0.46 ft. north of the porch post; and 0.61 ft. east of the west edge of the wall. A standard monel metal rivet, set in concrete.  
Elevation: 11.624 ft.
- RV. 6058: DOWNE TWP., CUMBERLAND CO., N.J. About 13.2 miles southeast of Pearl and Commerce Sts. in Bridgeton; about 2.15 miles southwest of the Newport Grammar School, on the north side of the Newport Neck Road, of the property of Vernon Keller; in the east side of the second concrete step, on the front entrance to the two story frame house; 0.31 ft. south of the north edge of the riser, and 0.35 ft. west of the east edge of brick wall. A standard monel metal rivet, set in concrete.  
Elevation: 11.043 ft.
- RV. 6059: DOWNE TWP., CUMBERLAND CO., N.J. About 15.95 miles southeast of Pearl and Commerce Sts. in Bridgeton, on the Newport-Newport Neck Road; about 2.95 miles southwest of the Newport Grammar School, on the north side of the road on property of S.N. Peterson; in the northwest corner of the chimney foundation, on the west side of the farm house of S.N. Peterson; 0.30 ft. east of the west edge, and 0.40 ft. south of the north edge of the foundation. A standard monel metal rivet, set in concrete.  
Elevation: 7.801 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1940-1942

CUM-B Page 21

RV. 6060: DOWNE TWP., CUMBERLAND COUNTY, N.J. About 14.55 miles southeast of Pearl and Commerce Sts., in Bridgeton, on the south side of Newport-Newport Neck Road; about 3.55 miles southwest of the Newport Grammar School; 0.3 ft. above the ground; in the west angle of a road leading south to the West Side Fishing Club; in a tile pipe, approximately in range with the road to the Fishing Club; 14.0 ft. west of the centerline of the Fishing Club road; 22.0 ft. south of the centerline of the Newport Neck Road; 87.47 ft. north of a large brown corner stone; and 4.0 ft. south of the prolongation of the centerline ditch on the south side of the Newport Neck Road. A standard monel metal rivet, set in concrete.  
Elevation: 3.777 ft.

RV. 6061: DOWNE TWP., CUMBERLAND COUNTY, N.J. About 15.1 miles south of Pearl and Commerce Sts., in Bridgeton; about 4 miles southwest of the Newport Grammar School; on the north side of the dirt road running from the end of the Newport Neck Road to Nantuxent Point; on land owned by H. G. Gandy; 0.3 ft. above the surface of the ground; 75.0 ft. north of the centerline of road leading into the marsh; 20.05 ft. southeast of the northeast corner of a frame shed; 17.58 ft. east of the southeast corner of the shed; 7.30 ft. southwest of an iron pump; 26.95 ft. north east of the northwest corner of a small shed. A standard monel metal rivet, set in concrete filled tile.  
Elevation: 4.683 ft.

END OF SPUR RUN.

LOOP RUN: MON. 9066 TO MON. 3061.

DISK 9015: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Set flush in the southwest retaining wall of the bridge carrying Grove Street over Mill Creek; 0.6 ft. southwest from the face of the concrete bridge wall; 0.5 ft. south of the face of the retaining wall. A standard U.S.C & G.S.&S. disk.  
Elevation: 8.511 ft.

MK. 9017: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Set in the concrete curb at the northwest intersection of Henry and Grove Sts., 15.6 ft. north from the centerline of Henry Street; 2.73 ft. east from the easterly edge of a sewer drain; 9.0 ft. southwest from pole BT 3-1562. A galvanized iron bolt.  
Elevation: 26.587 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

CUM-B Page 22

MON. 3061: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the east side of the road, in front of house #85 South Avenue, about 0.55 mile south of the intersection of Pearl and Commerce Streets; 2.1 ft. east of the face of the curb; 53.0 ft. northeast of a pole ACE-2009; 20.1 ft. southwest of the southwest corner of house #85 South Avenue. A standard U.S.C & G.S.&S.B. disk, set in concrete.  
Elevation: 30.249 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-C page 1

STARTING IN MILLVILLE, CUMBERLAND COUNTY, AT THE POST OFFICE, AND RUNNING THENCE SOUTHEASTERLY ABOUT 1.75 MILES TO A POINT ON STATE HIGHWAY ROUTE #49, ABOUT 128 FT. NORTHWEST OF THE MAIN ENTRANCE TO THE OLD AGE COLONY, SAME LOCALITY, THENCE SOUTHEAST ALONG STATE ROUTE #49 THROUGH MILLVILLE AND MENANTICO; PORT ELIZABETH, DORCHESTER AND LEESBURG, MAURICE RIVER TOWNSHIP TO THE SIDE ROAD (LEADING WEST THROUGH HEISLERVILLE AND THENCE SOUTHWEST TO EAST POINT), DELMONT, SAME TOWNSHIP, AND AN INTERMEDIATE RUN STARTING IN MAURICE RIVER TOWNSHIP, ON STATE HIGHWAY ROUTE #49, ABOUT 0.3 MILE SOUTH OF ROAD LEADING EAST TO HOFFMANN'S MILL, SAME TOWNSHIP, AND RUNNING THENCE, SOUTHWEST ALONG THE CONNECTING ROAD LEADING FROM STATE HIGHWAY ROUTE #49 TO THE DELMONT-HEISLERVILLE-EAST POINT ROAD, TO THE ROAD LEADING NORTHEASTERLY TO LEESBURG, SAME TOWNSHIP, HEISLERVILLE, SAME TOWNSHIP STILL IN CUMBERLAND 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.

- B-9: MILLVILLE, CUMBERLAND CO., N.J. On the southeast corner of the post-office building. A standard disk, stamped "B-9 1930", and set in concrete.  
Elevation: (11.140 meters or 36.548 ft.)
- MK. 3088:  
N.J.G.S.33.45: MILLVILLE, CUMBERLAND CO., N.J. A cross cut on the water table on southwest corner of Millville Public Library, on northeast corner of Main and Second Streets.  
Elevation: 33.941 ft.
- A-9: MILLVILLE, CUMBERLAND CO., N.J. On the southeast corner of the Millville National Bank building. A standard disk, stamped "A-9 1930", and set in concrete.  
Elevation: (8.990 meters or 29.495 ft.)
- Z-8: MILLVILLE, CUMBERLAND CO., N.J. East of a Shell Gasoline Station at the southeast edge of the town; 27.7 ft. east of the centerline of highway #49; 60 1/2 ft. north of pole #1039; 66 3/4 ft. southeast of pole #1038; 53 1/4 ft. east of pole #86308; and 8.3 ft. southeast of a hydrant. A standard disk, stamped "Z-8 1930", and set in top of a concrete post which projects about 4 inches above ground.  
Elevation: ( 8.906 meters or 22.657 ft.)

## GEODETTIC CONTROL SURVEY

CUM-C page 2

## DESCRIPTION OF BENCH MARKS

- MON. 9017: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the southwest side of State Highway Route #49, about 128.0 ft. west of the main entrance to Old Age Colony, about 1.39 miles southeast of the junction of State Highway Route #47 with State Highway Route #49 in Millville; 0.3 ft. below the road; 5.70 ft. southeast of pole #BT-56-509; 19.0 ft. southwest of the centerline of Route #49; 42.65 ft. west of pole #ME-2509; and 115.90 ft. north of pole #BT-56-510. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 21.060 ft.
- MON. 9019: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the west side of State Highway Route #49, about 1.72 miles southeast of the junction of State Highway Routes #47 and #49 in Millville, about 0.3 miles southeast of the main entrance to Roosevelt Park Old Age Colony; 0.3 ft. below the ground; 97.30 ft. southeast of pole #BT-56-521; 11.46 ft. southwest of a rivet set in concrete road; 18.30 ft. west of the centerline of State Highway Route #49; 34.55 ft. northwest of pole #BT-56-522. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 18.470 ft.
- RV. 3015: MILLVILLE, CUMBERLAND CO., N.J. On Route #49, about 1.9 miles south from Main and Second Streets; flush with the ground, and 0.16 ft. below the centerline of the highway; 23.6 ft. northwest of BT pole #56-528; 30.45 ft. west of centerline of Highway #49; 71.3 ft. south of MELC pole #2528; 110.55 ft. southeast of BT pole #56-527; opposite road slab #205. A standard monel metal rivet, set in concrete.  
Elevation: 19.873 ft.
- MON. 9020: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the west side of State Highway Route #49, about 2.27 miles southeast of the junction of Routes #47 and #49 in Millville, about 1.75 miles northwest of highway bridge over Menantico Creek; 0.3 ft. below the ground; 13.40 ft. west of the centerline of Route #49; 21.83 ft. northeast of BT pole #56-543; 163.35 ft. southeast of the southeast corner of the bungalow of Charles More. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 18.791 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-C page 3

- MON. 3020: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the east side of Route #49, 2.6 miles southeast of Main and Second Sts. in Millville; 0.2 ft. below ground; 22.25 ft. northeast of the centerline of Route #49; 54.5 ft. northwest of ME pole #2557; 53.5 ft. southeast of BT pole #56-555; and 36.2 ft. southwest of a 14 inch Pine tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 18.601 ft.
- MON. 3021: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the west side of State Highway Route #49, about 2.95 miles south of Main and Second Sts. in Millville, in front of the house of A.J. Vannman; 0.9 ft. below ground; 20.1 ft. west of the centerline of the road; 102.1 ft. southeast of the southeast corner of the house of A.J. Vannman; and 32.85 ft. north of a pole #BT-56-570. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 14.483 ft.
- MON. 9021: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On the east side of State Highway Route #49, about 3.16 miles southeast of the junction of Routes #47 and #49 in Millville, and about 0.85 miles northwest of Bridge over Menantico Creek; 100.10 ft. southwest of pole #ME-2592; 25.80 ft. northwest of pole #ME-2593; 23.28 ft. northeast of a rivet in the road; 21.10 ft. east of the centerline of Route #49. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 18.856 ft.
- RV. 3016: MILLVILLE, CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 3.45 miles southeast of Main and Second Sts. in Millville; 0.3 ft. above the ground, and 0.2 ft. above the centerline of highway; 20.3 ft. southwest of centerline of highway; 16.35 ft. northwest of pole #BT-56-590; 53.7 ft. southwest of MELC pole #2592; 119.1 ft. southeast of pole #BT-56-589, opposite road slab 63. A standard monel metal rivet, set in concrete.  
Elevation: 13.678 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

1940

CGM-C page 4
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- MON. 9022: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 3.81 miles southeast of the junction of Routes #47 and #49 in Millville, about 1000 ft. northwest of the State Highway Bridge over Menantico Creek; 0.3 ft. below ground; 44.40 ft. northwest of pole #ME-2611 96.23 ft. northeast of the southeast corner of a 2 story bungalow of John Horlacher; 15.80 ft. east of the centerline of Route #49; and 96.93 ft. southeast of the northeast corner of the same house. A standard N.J.G.C.S. disk set in concrete.  
Elevation: 16.854 ft.
- Y-8: PORT ELIZABETH, CUMBERLAND CO., N.J. About 2 miles north of the cemetery at Port Elizabeth, on highway #49, at the bridge over Menantico Creek, on the west curb, and 10 ft. north of the south end of the bridge. A standard disk, stamped "Y-8 1930".  
Elevation: (3.013 meters or 9.885 ft.)
- MON. 3022: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the northeast side of State Highway Route #49, about 4.65 miles southeast of Main and Second Sts. in Millville; 0.55 miles southeast of Menantico Creek; 0.4 ft. below ground; 24.65 ft. northeast of the centerline of Route #49; 68.83 ft. southeast of a pole #ACE-7028; and 75.95 ft. east of a pole #BT-56-658. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 15.561 ft.
- MON. 3023: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the northeast side of Route #49, about 5.0 miles southeast of Main and Second Sts. in Millville; 0.3 ft. below ground; 22.3 ft. northeast of the centerline of Route #49; 41.1 ft. north of a pole #ACE-7012; and 48.85 ft. northeast of a pole #BT-56-653. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.004 ft.
- RV. 3017: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, 5.5 miles southeast from Main and Second Sts. in Millville; 0.1 ft. below ground, and 0.7 ft. below the highway; 26.75 ft. southwest of the centerline of the highway; 31.2 ft. southeast of pole #BT-56-671; 101.75 ft. northwest of pole #BT-56-672; 83.2 ft. northwest of pole #ACE-6995; 1.4 miles southeast of Menantico Creek. A standard monel metal rivet, set in concrete.  
Elevation: 11.046 ft.



NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-C page 5

- RV. 3018: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, 5.95 miles southeast of Main and Second Sts. in Millville; about 1.9 miles southeast of Menantico Creek; 0.3 ft. below the highway; flush with the ground; 29.45 ft. southwest of the centerline of highway; 34.65 ft. northwest of pole #BT-56-690; 57.1 ft. southwest of pole #ACE-6980; 54.0 ft. southeast of pole #BT-56-699. A standard monel metal rivet set in concrete.  
Elevation: 15.537 ft.
- RV. 3089: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On Route #49, about 6.35 miles southeast of Main and Second Sts. in Millville; in the bridge over Mamumuskin Creek, on the west curb; 6.49 ft. from the south end of inside guard rail; 51.58 ft. from the north end of inside guard rail; 0.36 ft. west of edge of curb. A standard monel metal rivet, set in concrete.  
Elevation: 16.301 ft.
- WX-8: PORT ELIZABETH, CUMBERLAND CO., N.J. East of Highway #49, 24 1/2 ft. opposite the north edge of property belonging to J. Howard Heiseler; 70.5 ft. south of pole #725; and 59.0 ft. north of pole #726. A standard disk, stamped "WX-8 1930", set in the top of a concrete post which projects about 4 inches above the ground.  
Elevation: (3.154 meters or 10.348 ft.)
- RV. 3019: MAURICE RIVER TWP., CUMBERLAND CO., N.J. About 6.8 miles southeast of Main and Second Sts. in Millville; flush with the ground; 110.4 ft. southwest of southwest corner of Port Elizabeth R.R. Station; 112.8 ft. southwest of the southeast corner of the R.R. Station; 34.01 ft. west of the centerline of R.R. track; 9.37 ft. northeast of a telegraph pole. A standard monel metal rivet, set in concrete.  
Elevation: 14.242 ft.
- MON. 3026: MAURICE RIVER TWP., CUMBERLAND CO., N.J. East of Route #49, next to the W.J. & S. R.R., about 2100 ft. south of the Port Elizabeth R.R. Station, on the west side of the tracks; flush with ground; 13.27 ft. west of the centerline of the tracks; 17.52 ft. northeast of a sandstone property monument of J.G. Clark; and 47.0 ft. southwest of an 8 inch Sassafras tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.447 ft.

## DESCRIPTION OF BENCH MARKS

- MON. 3027: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north point of the intersection on Route #49, just north of Muskee Creek, at the railroad crossing; 0.6 ft. below the ground; 32.75 ft. northeast of the centerline of road; 50.5 ft. northwest of a railroad crossing blinker standard and 64.35 ft. southeast of a pole #ACE-6855. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 4.384 ft.
- W-8: PORT ELIZABETH, CUMBERLAND CO., N.J. About 0.7 miles south of Port Elizabeth, on the northeast abutment of the highway bridge over Muskee Creek. A standard disk, stamped "W-8 1930".  
Elevation: (2.268 meters or 7.441 ft.)
- RV. 3020: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 7.90 miles southeast of Main and Second Sts. in Millville; 0.1 ft. below the ground; and 0.3 ft. below the centerline of highway; 32.35 ft. east of the centerline of the highway; 22.25 ft. southeast of pole #ACE-6839; 56.3 ft. east of pole #BT-ET&T-56-778; 126.0 ft. northwest of pole #ACE-6858; 0.5 miles southeast of Muskee Creek. A standard monel metal rivet, set in concrete.  
Elevation: 7.094 ft.
- MON. 3028: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On Route #49, about 2.8 miles south of Manumuskin Creek, opposite the road to Mauricetown; 0.1 ft. below ground; 28.85 ft. east of the centerline of Route #49; 45.45 ft. southeast of a C.I. Historic sign; and 72.45 ft. northeast of a pole #BT-ET&T-706. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.912 ft.
- MON. 3029: MAURICE RIVER TWP., CUMBERLAND CO., N.J. Just north of the side road to Dorchester, on Route #49, about 2.4 miles south of Manumuskin Creek; 0.25 ft. below ground; 27.35 ft. east of the centerline of the road at highway slab #275; 21.10 ft. north of a pole #ACE-6307; and 72.0 ft. east of a pole #ET&T-720. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.396 ft.

## NEW JERSEY

Cumberland County

1940

## GEODETIC CONTROL SURVEY

CUM-C page 7

## DESCRIPTION OF BENCH MARKS

- RV. 3021: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 9.25 miles southeast of Main and Second Sts. in Millville; 0.8 ft. above the ground, and 0.3 ft. above the centerline of the highway; 24.75 ft. west of the centerline of the highway; 24.25 ft. south of the end post of highway fence; 86.4 ft. northwest of south end of highway fence; opposite road slab #549; on the southwest side of the highway at the south end of a large gravel hole; 0.5 miles southeast of a cross road. A standard metal rivet, set in concrete.  
Elevation: 29.629 ft.
- X-8: DORCHESTER, CUMBERLAND CO., N.J. About 0.5 mile southeast of Dorchester; 57.6 ft. southeast of the centerline of highway #49, opposite the dirt road leading to Dorchester; 29.9 ft. northeast of the centerline of a dirt road leading southeast; and 32 1/2 ft. southeast of a concrete road sign. A standard disk, stamped "X-8 1930", set in the top of a concrete post which projects about 4 inches above the ground.  
Elevation: (6.251 meters or 20.443 ft.)
- MON. 3030: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the southwest corner of the intersection of Route #49 and the road to Dorchester, about 4.05 miles south of Manumuskin River; 0.4 ft. below ground; 29.25 ft. southwest of the centerline of the two roads; 22.05 ft. west of the centerline of Route #49; and 19.9 ft. east of an 8 inch oak tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 26.427 ft.
- MON. 3031: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 0.3 miles south of the side road to Dorchester, and 4.35 miles south of Manumuskin Creek; 0.6 ft. below ground; 22.05 ft. west of the centerline of Route #49 at highway slab #1024; 29.25 ft. northwest of the southwest corner of highway slab #1024; and 16.0 ft. southwest of the northwest corner of the same slab. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 18.245 ft.

- RV. 3022: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 11.45 miles southeast of Main and Second Sts. in Millville; 1.3 ft. below the centerline of the highway; flush with the ground; 26.65 ft. west of the centerline of the highway; 17.3 ft. northwest of the southwest corner of road slab #1114; 48.35 ft. southwest of south end of highway fence on east side of road; 15.05 ft. southwest of south end of highway fence on west side of road; 19.5 ft. northeast of a 16 inch twin oak tree; about 0.5 miles southeast of side road on west side of Route #49. A standard monel metal rivet, set in concrete.  
Elevation: 11.195 ft.
- RV. 3023: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 12 miles southeast of Main and Second Sts. in Millville; about 0.2 miles southeast of side road on west side of Route #49; 8.2 ft. above the ground, and 1.2 ft. below the centerline of the highway; 29.65 ft. west of the centerline of the highway; 53.35 ft. southwest of pole #ACE-6610; 27.1 ft. south of S-curve sign; 28.65 ft. southwest of northwest corner of road slab #1188; 28.4 ft. northwest of southwest corner of road slab #1188. A standard monel metal rivet, set in concrete.  
Elevation: 8.549 ft.
- R. M. #3:  
LEESBURG: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 2.0 miles northwest of Delmont and 0.1 miles south of the entrance to the Prison Farm, on the Leesburg State Prison Farm road; 22.52 ft. east of the centerline of Route #49; 4.7 ft. south of a pole #ACE-6626; and 81.3 ft. northeast of a small grove of oak trees on the state farm. A standard U.S.C.& G.S.N.T. disk, set in concrete.  
Elevation: 14.416 ft.
- V-8: DELMONT, CUMBERLAND CO., N.J. About 1.5 miles north of Delmont, at the New Jersey State Prison Farm, on the southeast concrete footing of the 150 ft. water tank. A standard disk, stamped "V-8 1930".  
Elevation: (4.505 meters or 14.780 ft.)

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-C page 9

- LEESBURG:** LEESBURG, CUMBERLAND CO., N.J. About 1.8 miles north-northwest by airline from Delmont on the grounds of the Leesburg State Prison Farm; north-northwest of a small brick building used as a dairy separator room; 301 ft. northeast of the center of the drain pipe of a large silver water tank; 111.22 ft. northwest of a fire plug on the opposite side of the road; 62.99 ft. west of the west corner of a warehouse; 300.85 ft. northeast of the water tank on the grounds; also referred to R.M.#1 which is 133.17 ft. east-southeast of the station and at the northeast corner of a warehouse; and to R.M.#2 which is 134.68 ft. southwest of the station; and 174.2 ft. east-northeast of water tank; 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: 18.288 ft.
- MON. 3032:** MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of State Highway Route #49, about 2.85 miles northwest of the county line; 6.22 miles south of Manumuskin Creek; and 0.38 miles south of entrance to Prison Farm, in front of the house of J. Lapihuska; flush with ground; 22.8 ft. west of the road centerline; 51.8 ft. northeast of the southeast corner of house of J. Lapihuska; and 49.06 ft. southeast of the northeast corner of the same house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 12.091 ft.
- RV. 3024:** MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 13.8 miles southeast of Millville, Main and Second Streets; 0.3 ft. above the ground; and 1.0 ft. below the centerline of the highway; 31.1 ft. northwest of the centerline of the highway; 54.55 ft. northwest of a pole #ACE-6660; 21.7 ft. southwest of northwest corner of road slab #1220; 38.4 ft. northwest of southwest corner of road slab #1220; about 0.53 miles southeast of south entrance to N.J. State Prison Farm. A standard monel metal rivet, set in concrete.  
Elevation: 13.261 ft.
- MON. 6016:** DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. In front of the house of Guzip, on Route #49, opposite the side road to Heislerville and East Point; flush with ground; 21.7 ft. east of the centerline of Route #49; 45.8 ft. southwest of the southwest corner of the house of Guzip; and 32.0 ft. north of a pole #ACE-6676. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.508 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-C page 10

INTERMEDIATE RUN FROM MON. 3051 TO MON. 6013:

- RV. 3098: MAURICE RIVER TWP., CUMBERLAND CO., N.J. About 2.41 miles northeast of the T-intersection of the East Point road and the road running northeast to Route #48, about 0.1 miles north of fork in road (the east fork running in a southeast direction); 3.44 ft. from the north end of a concrete head wall; 16.55 ft. east of the centerline of road; in the north end of concrete head wall of concrete culvert on the east side of the road. A standard monel metal rivet, set in concrete.  
Elevation: 10.164 ft.
- RV. 3097: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of the road in the grass, running from the East Point Road northeasterly to Route #49, about 0.95 miles northeast of the Heislerville Public School House, and in front of the dwelling of Gilbert Lee; flush with ground; 13.6 ft. east of the centerline of the road; and referred to the home of Gilbert Lee by the following ties: 43.8 ft. from the north-west corner of the Lee home, and 69.6 ft. from the south-west corner of the same home. A standard monel metal rivet, set in concrete.  
Elevation: 13.745 ft.
- RV. 3096: MAURICE RIVER TWP., CUMBERLAND CO., N.J. About 0.94 miles northeast of the T-intersection of the East Point Road with the road running northeast to Route #49; about 0.29 miles northeast of the Heislerville Public School House; 1.25 ft. from the north end of head wall; 22.2 ft. northwest of the centerline of the road; 44.5 ft. northwest of BT-AC pole #285-12; in the north end of concrete head wall of concrete culvert on the west side of the road. A standard monel metal rivet, set in concrete.  
Elevation: 8.902 ft.
- RV. 3095: MAURICE RIVER TWP., CUMBERLAND CO., N.J. Base for gasoline pumps, and iron columns supporting roof of Economy Store and Gasoline Station owned by Benjamin Thompson, about 0.66 miles northeast of the T-intersection of the East Point Road and the road running northeast to Route #48; 0.05 miles north of Heislerville Public School House; 38.7 ft. east of the centerline of the road; 30.55 ft. southeast of BT pole #3-2449; 0.5 ft. west of iron column at south-west corner of building. A standard monel metal rivet, set in concrete.  
Elevation: 12.615 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM#0 page 11

MON. 6018: HEISLERVILLE, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of the East Point Road, on the road to East Point and opposite the road to Leesburg; flush with the ground; 14.0 ft. south of the centerline of the East Point Road; 48.2 ft. southeast of a 4.0 ft. maple tree; and 44.6 ft. southwest of a pole #BT-324-79. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 8.979 ft.

ADDITIONAL MONUMENTS:

MON. 9052: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the southeast corner of Prison Farm Road and Route #43, about 5.79 miles south of the State Highway Bridge over Manumuskin River at Port Elizabeth; at the main entrance to the Leesburg State Prison Farm; flush with the ground; 29.96 ft. south of the centerline of the Prison Farm Road; 42.25 ft. east of the centerline of Route #49; 9.55 ft. east of a buttonwood tree; and 28.76 ft. northeast of ACE pole #6624. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 13.951 ft.

MON. 9051: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 5.53 miles south of State Highway Bridge over Manumuskin River at Port Elizabeth, about 0.26 mile north of the main entrance to the Leesburg State Prison Farm; 0.2 ft. above surface; 146.45 ft. south of the centerline of Riggins Ditch; 89.53 ft. southeast of pole #ACE-6614; 26.55 ft. east of the centerline of Route #49; 54.38 ft. north of pole #ACE-6615. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 8.579 ft.

MON. 9043: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 5.25 miles south of State Highway Bridge over Manumuskin River at Port Elizabeth and about 250 ft. north of the road running northwest to Leesburg; flush with ground; 26.28 ft. west of the centerline of Route #49; 19.39 ft. southwest of the northwest corner of road slab #1148; 31.75 ft. northwest of the southwest corner of road slab #1148. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 10.260 ft.

## NEW JERSEY

Cumberland County

1940

## GEODETIC CONTROL SURVEY

CUM-C page 12

## DESCRIPTION OF BENCH MARKS

- MON. 9036: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north-east side of Route #49, about 1.67 miles southeast of the Highway Bridge over Manumaskin River at Port Elisabeth, about 0.53 miles southeast of Highway Bridge over Muskee Creek; 0.2 ft. above ground; 50.12 ft. southeast of pole #BT-56-778; 26.51 ft. northeast of the centerline of Route #49; 22.70 ft. northwest of ACE pole #6834; and 71.80 ft. northwest of the northwest corner of the house of Della Williams. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 8.611 ft.
- MON. 9037: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 2.54 miles southeast of the Highway Bridge over the Manumaskin River at Port Elisabeth, just south of a small pond; 0.6 ft. above the road; 7.93 ft. northwest of a 6 inch maple tree; 34.06 ft. north of the northeast end of a guard fence; 37.04 ft. south of the southeast corner of road slab 239; and 19.95 ft. northeast of the southeast corner of slab #240; 25.50 ft. east of the centerline of Route #49. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 7.322 ft.
- MON. 9038: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 2.78 miles southeast of the Highway Bridge over Manumaskin River at Port Elisabeth; 0.3 ft. above the ground; 46.21 ft. northeast of the northeast end of the guard fence; 38.36 ft. northeast of the southeast corner of road slab #210; and the northeast corner of road slab #209; 41.66 ft. east of the centerline of Route #49. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 26.009 ft.
- MON. 9040: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 3.49 miles southeast of the Highway Bridge over Manumaskin River at Port Elisabeth; 0.2 ft. above the ground; 3.85 ft. east of a 6 inch oak tree; 33.0 ft. south of a 12 inch black oak tree; 25.08 ft. southwest of northwest corner of road slab 457; and 30.57 ft. west-northwest of centerline of Route #49. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 28.097 ft.



NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-C page 13

- MON. 9043: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 3.72 miles southeast of the Highway Bridge over Manumaskin River at Port Elizabeth, about 300 ft. southwest of Pine Grove Gas Station; 0.3 ft. below the ground; 28.84 ft. south of a 15 inch pine tree; 40.75 ft. southwest of the northwest corner of road slab #426; 9.63 ft. west of the southwest corner of road slab #426; and 19.32 ft. northwest of the centerline of Route #49. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 14.132 ft.
- MON. 9044: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 6.66 miles south of the Highway Bridge over Manumaskin River at Port Elizabeth; 0.3 ft. below the ground; 8.0 ft. south of pole #ACE-6657; 19.33 ft. east of the centerline of Route #49; 19.05 ft. north from southeast corner of slab #1468. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 11.788 ft.
- MON. 9045: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of Route #49, about 6.94 miles south of Highway Bridge over Manumaskin River at Port Elizabeth; 19.50 ft. east of the centerline of Route #49; 12.29 ft. northeast of the southeast corner of road slab #1506; 31.32 ft. southeast of the northeast corner of slab #1506; and 86.11 ft. south of ACE pole #6666. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 13.487 ft.
- MON. 9046: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 7.19 miles southeast of the Highway Bridge over the Manumaskin River at Port Elizabeth; about 100 ft. south of the intersection of the road that runs west to Heislerville; 0.4 ft. below the ground; 14.30 ft. west of the centerline of Route #49; 13.88 ft. southeast of the north end of guard rail; 27.33 ft. north of pole #ACE-6676; and 19.66 ft. northeast of rivet in concrete headwall of culvert under the Highway. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 7.693 ft.

NEW JERSEY  
GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUM-C page 14

MON. 9047: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of Route #49, about 7.49 miles southeast of the Highway Bridge over Manumaskin River at Port Elizabeth, and about 0.3 mile southeast of the intersection of the road running west to Heislerville; 0.3 ft. below the ground; 22.11 ft. southwest of the centerline of Route #49; 7.86 ft. northeast of pole #ACE-6686; 63.88 ft. southeast of the southeast corner, and 79.36 ft. southeast of the northeast corner of the house of Norman Willard. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 8.301 ft.

ELIMINATION OF SPUR ELEVATIONS:

MON. 9026: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On S.H. Route #49, about 5.97 miles southeast of the junction of Route #47 with Route #49 in Millville, about 0.32 mile northwest of S.H. Bridge over Manumaskin River at Port Elizabeth; on the southwest side of the highway; 0.3 ft. below the ground; 13.75 ft. southwest of the center line of Route #49; 89.15 ft. southwest of iron pump located on east side of highway in a grove of trees; 96.90 ft. west of the northwest corner of H. Robinson roadside market; 49.40 ft. north-northwest of BT pole #560695. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 14.533 ft.

MON. 9025: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On S.H. Route #49, about 5.6 miles southeast of the junction of Route #47 with Route #49 in Millville; and about 0.11 mile northwest of its junction with Spring Garden Road; 0.3 ft. below the ground; 17.50 ft. southwest of the center line of Route #49; 12.49 ft. northwest of rivet set in concrete road; 28.85 ft. north-northwest of BT pole #56690; 23.55 ft. northeast of 12 inch blazed pine tree; and 111.30 ft. southeast of BT pole #56-679. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 21.032 ft.

MON. 9024: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of S.H. Route #49, about 5.19 miles southeast of the junction of Routes #49 and #47 in Millville, and about 1.18 miles southeast of the Highway bridge over Menantico Creek; 0.3 ft. below the ground; 19.55 ft. southwest of the center line of Route #49; 14.17 ft. west of a rivet set in the concrete road; 37.85 ft. northwest of pole #BT-56-663; and 93.47 ft. southeast of pole #BT-56-662. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 14.668 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-C page 15

- MON. 9050: MAURICE RIVER TWP., CUMBERLAND CO., N.J. Near S.H. Route #49, on the east side of the W.J. & S. Railroad, about 3400 ft. southwest of the Weatherby Road, Port Elizabeth; and about 1200 ft. north of the intersection of the railroad track with Route #49 at Bricksboro; 4.0 ft. above the ground; 16.29 ft. east of the center line of railroad track; 327.0 ft. south of a dirt road crossing the tracks; and is near the northwest corner of a swamp. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 4.988 ft.
- MON. 9042: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of S.H. Route #49, about 4.86 miles south of the State Highway Bridge over Manumuskin River at Port Elizabeth; flush with the ground; 6.85 ft. east of a 2 ft. pin oak tree; 26.33 ft. west of the center line of Route #49; 25.29 ft. northwest of the southwest corner of road slab #1092. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 13.822 ft.
- MON. 9039: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of S.H. Route #49, about 2.99 miles southeast of the State Highway Bridge over the Manumuskin River at Port Elizabeth; 0.3 ft. above the ground; 7.25 ft. south of a dirt path running southeast; 28.20 ft. east of the center line of Route #49; 50.55 ft. southeast of a gutter drain. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 26.516 ft.
- MON. 9023: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of S.H. Route #49, about 4.01 miles southeast of the junction of Routes #47 and #49 in Millville, and about 66.0 ft. south of State Highway Bridge over Manantico Creek; 0.4 ft. below the ground; 13.50 ft. west of the centerline of Route #49; 111.70 ft. northwest of the northeast corner of 3 story frame house of P. Ackley; 79.0 ft. northwest of the northwest corner of the same house; and 66.15 ft. southwest of the southeast end of balustrade on the east side of bridge. A standard N.J. G.C.S. disk, set in concrete.  
Elevation: 8.591 ft.

END OF SPUR ELIMINATIONS:

## NEW JERSEY

## GEODETIIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-C page 16

ADDITIONAL BENCH MARKS:

- MON. 9028: PORT ELIZABETH, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of the Penn.& Reading Railroad Line, on the southeast side of Weatherby Road, about 0.3 mile east of Highway Bridge over Manumuskin River and about 6.6 miles southeast of the junction of Route #47 with Route #49 in Millville; flush with the ground; 142.0 ft. southeast of center line of Weatherby Road; 84.48 ft. southeast of nail in 12 inch twin red cedar tree; 250 ft. southwest of southwest corner of house of George Bennett; and 138.86 ft. northwest of a 2 ft. oak tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 15.481 ft.
- MON. 9029: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of the Weatherby Road, about 0.57 mile east of the Highway Bridge over the Manumuskin River at Port Elizabeth; 0.5 ft. below the surface; 91.52 ft. southeast of ACE pole #11841; 12.95 ft. north-northeast of the center line of the road; 82.24 ft. northwest of the northwest corner of a house; 88.92 ft. northwest of the northeast corner of the house of Wm. Frankle. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 14.534 ft.
- MON. 9030: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of the Weatherby Road about 0.35 mile east of the Highway Bridge over the Manumuskin River at Port Elizabeth; 0.3 ft. above the ground; 23.85 ft. south-southwest of the centerline of the road; 22.75 ft. northeast of a blazed 18 inch pine tree; 12.00 ft. northeast of an 8 inch blazed pine tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 12.360 ft.
- MON. 9034: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of Weatherby Road, about 1.33 miles east of the Highway Bridge over Manumuskin River at Port Elizabeth; 0.3 ft. above the ground; 54.23 ft. north of the center line of the road; 410 ft. northwest of the center line of the County Bridge over Muskee Creek. A standard N.J. G.C.S. disk, set in concrete.  
Elevation: 10.593 ft.

## GEODESIIC CONTROL SURVEY

CUW-C page 17

## DESCRIPTION OF BENCH MARKS

- MON. 9035:** MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of Weatherby Road, about 1.62 miles east of the Highway Bridge over the Manumakin River at Port Elizabeth, and about 0.21 mile southeast of the County Bridge over Muskes Creek; near the southwest corner of a very large gravel hole; 0.3 ft. below the ground; 13.65 ft. east-southeast of the west end guard fence; 13.20 ft. northeast of the center line of Weatherby Road, and 158.7 ft. northwest of a gravel road leading south to an old gravel pit now growing with pine trees. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 54.852 ft.
- SCRUBBY:** MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the property of Gilbert and Callanan, on a small knoll covered with brush along the road leading easterly from Port Elizabeth, Cumberland Co., to head of river, Cape May Co., about 1.5 miles east from the center of Port Elizabeth; about 174 ft. south-southeast of two 14 inch Pine trees; about 36 ft. southeast of a 10 inch Pine tree with triangle blaze; about 33 ft. north-north east of a lone 8 inch Pine tree; and about 24 ft. southwest of a very dim road; also referred to R.M. 1, which is 77.3 ft. east-southeast of the station, about 81 ft. northwest of a 14 inch Pine tree; and to R.M. 2, which is about 75.7 ft. south-southwest of the station; about 38 ft. south-southwest of an 8 inch Pine tree; both reference marks being standard U.S.C. & G.S. Reference Mark disks, set in concrete, 8 inches above the ground and stamped "Scrubby 1-1935", and "Scrubby 2-1935". A standard U.S.C. & G.S. Triangulation Station disk, set in concrete, 8 inches above the ground, and stamped "Scrubby 1935".  
Elevation: 56.734 ft.
- AZ. MK. (SCRUBBY 1935):** MAURICE RIVER TWP., CUMBERLAND CO., N.J. About 0.2 mile south of triangulation station Scrubby 1935 and about 1.5 miles east of the center of Port Elizabeth; on a small rise in a field of brush about 450 ft. southeast of the center of a dim cross road; about 123 ft. south of the center line of a dim road and about 57 ft. west of a 6 inch Pine tree with a triangular blaze. A standard U.S.C. & G.S. Az. Mk. disk, set in concrete, 4 inches above the ground, and stamped "Scrubby 1935".  
Elevation: 54.879 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

GUM-C page 18

RV. 6067: MAURICE RIVER TWP., CUMBERLAND CO., N.J. A 3/8 bolt set in a concrete post on the north side of woods road running from Route #49 to the Weatherby Road, about 0.50 mile east of Route #49, mark is flush with the surface; 9.89 ft. north of the center line of the woods road, and 3.25 ft. southwest of a nail in a 40 inch blazed pine; and 24.95 ft. southwest of a nail in a 24 inch blazed pine. A standard monel metal rivet, set in concrete.  
Elevation: 10.763 ft.

LOOP RUN: RV. 6067 TO MON. 9028:

MON. 9027: PORT ELIZABETH, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the northwest corner of the intersection of Weatherby Road and S.W. Route #49, just southeast of Manumuskin River; flush with the ground; 42.50 ft. west of the center line of Route #49; 61.16 ft. northwest of BT pole #56-711; 93.90 ft. north of two story frame house of Mortimer Henderson; 24 ft. north of center line of Weatherby Road. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 7.185 ft.

MON. 9028: PORT ELIZABETH, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the west side of the Pa. & Reading Railroad Line, on the southeast side of Weatherby Road, about 0.3 mile east of Highway Bridge over Manumuskin River and about 6.6 miles southeast of the junction of Route #47 with Route #49 in Millville; 142.9 ft. southeast of center line of Weatherby Road; 84.48 ft. southeast of nail in 12 inch twin red cedar tree; 250 ft. southwest of southwest corner of house of George Bennett; and 138.95 ft. northwest of a 2 ft. oak tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 15.481 ft.

END OF LOOP RUN:

NEW JERSEY  
GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

GUM-D page 1

STARTING IN BRIDGETON, CUMBERLAND COUNTY, N.J. AT STATE HIGHWAY ROUTE #49, (BROAD STREET), AND WEST AVENUE, AND RUNNING THENCE SOUTH ALONG WEST AVENUE TO HAMPTON STREET, THENCE EAST ALONG HAMPTON STREET TO FAYETTE STREET, THENCE SOUTH ALONG FAYETTE STREET THROUGH BRIDGETON AND CONTINUING SOUTH AND WEST ALONG A ROAD LEADING FROM GREENWICH EASTERLY AND NORTHERLY THROUGH DUTCH NECK TO BRIDGETON, THROUGH HOPEWELL TOWNSHIP TO MAIN STREET, GREENWICH, GREENWICH TOWNSHIP, SAME LOCALITY, THENCE NORTHWEST ALONG MAIN STREET TO ROAD LEADING NORTHWEST TO CANTON, LOWER ALLOWAYS CREEK TOWNSHIP, SALEM COUNTY, THENCE WESTERLY AND NORTHERLY ALONG SAID ROAD TO CANTON, TO THE WOODS LANDING-ROADSTOWN ROAD, STOWE CREEK TOWNSHIP, CUMBERLAND COUNTY, THENCE EASTERLY ALONG ROAD TO ROADSTOWN THROUGH GARRISON'S CORNER, SAME TOWNSHIP, TO STATE HIGHWAY ROUTE #49, SHILOH, HOPEWELL TOWNSHIP, SAME COUNTY, THENCE TO THE PUBLIC SCHOOL, 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 GEODETTIC SURVEY.

- J-9: BRIDGETON, CUMBERLAND CO., N.J. On the southeast corner of the Bridgeton High School. A standard disk, stamped "J-9 1930", and set vertically in the brick wall.  
Elevation: (24.541 meters or 80.515 ft.)
- MON. 3006: CITY OF BRIDGETON, CUMBERLAND CO., N.J. On the west corner of Broad St. (State Highway Route #49) and West Ave. between the curb and the sidewalk; 0.3 ft. below the ground; about 0.55 miles northwest of the intersection of Broad St. and Atlantic St. in Bridgeton; 75.06 ft. west of the fire hydrant on the east corner of Broad St. and West Ave.; 18.89 ft. southwest of the centerline of Broad St.; 77.76 ft. southeast of pole #ACE-572; 40.0 ft. northwest of the centerline of West Ave.; and 25.3 ft. north of pole #ACE-573. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 76.928 ft.
- MON. 6088: BRIDGETON, CUMBERLAND CO., N.J. On the northeast corner of Route #49 and West Ave., on the northeast corner of Hampton and West Ave., about 0.25 miles south of Bridgeton High School; flush with ground; 27.80 ft. northeast of the centerline of Hampton St.; 19.15 ft. southeast of the centerline of West Ave.; 3.76 ft. southeast of the street sign post; and 62.95 ft. from the southeast corner of the house of Frank Huntsinger. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 66.003 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-D page 2

DESCRIPTION OF BENCH MARKS

- MON. 6089: BRIDGETON, CUMBERLAND CO., N.J. On the northwest corner of Hampton and Fayette Sts., about 0.65 miles southeast of the intersection of West Ave. and Route #49 in the west end of Bridgeton; flush with ground; 31.70 ft. north east of the centerline of Hampton St.; 30.15 ft. west of the centerline of Fayette St.; 11.35 ft. southwest of a fire hydrant; 1.54 ft. south of corner stone on the south east corner of property of Thomas Wright. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 48.601 ft.
- MON. 6090: BRIDGETON, CUMBERLAND CO., N.J. On the west side of Fayette St., about 0.85 miles southeast of the intersection of West Ave. with Route #49 at the west end of Bridgeton; flush with the ground; 22.40 ft. west of the centerline of Fayette St.; 84.8 ft. from the centerline of North Drive (the entrance into Glen Park) and is 53.92 ft. from the southeast corner of the house of Frank Hettinger #180 Fayette St. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 37.945 ft.
- MON. 6091: BRIDGETON, CUMBERLAND CO., N.J. On the west side of Fayette St., about 1.1 miles southeast of the intersection of West Ave. and Route #49 at the west end of Bridgeton; 0.2 ft. above the ground; 32.05 ft. west of the centerline of Fayette St.; 14.25 ft. southwest of pole #ACE-1274; and 89.15 ft. from the southeast corner of house #314 Fayette St. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 58.978 ft.
- MON. 5900: BRIDGETON, CUMBERLAND CO., N.J. On the east side of Fayette St., about 1.0 mile south of the intersection of State Route #49 and Fayette St. in Bridgeton; flush with the ground; 37.55 ft. north of pole #EP-1288; 16.6 ft. east of the centerline of the road; and 89.30 ft. south of pole #EP-1287. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 32.164 ft.
- MON. 2999: HOPEWELL TWP., CUMBERLAND CO., N.J. On the west side of a road leading from Greenwich to Bridgeton, (thru Dutch Neck), about 7.1 miles east of the main intersection in Greenwich; 0.30 ft. above the surface; 111.20 ft. north of pole #735-80; 75.20 ft. southeast of the southeast corner of a small frame house; and 17.0 ft. west of the centerline of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 53.144 ft.



## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-D page 3

- MON. 2998: HOPEWELL TWP., CUMBERLAND CO., N.J. On the northeast corner of Greenwich-Bridgeton Road (through Dutch Neck) and the Sheppards Mill-Cohansey Creek Road, about 8.7 miles east of the main intersection in Greenwich; 8.30 ft. southeast of pole #EP-329; 66.0 ft. northeast of pole #735-76; 79.40 ft. southeast of pole #735-75. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 52.786 ft.
- MON. 2997: HOPEWELL TWP., CUMBERLAND CO., N.J. On the west side of a road leading from Greenwich to Bridgeton running thru Dutch Neck, about 8.4 miles east of the main intersection in Greenwich and directly opposite a side road leading to Cohansey Creek; 0.20 ft. below the ground; 28.10 ft. north of pole #735-92; 104.25 ft. south of pole #735-91; and 34.80 ft. southwest of pole #EP-338. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 39.532 ft.
- RV. 2995: HOPEWELL TWP., CUMBERLAND CO., N.J. On the easterly side of the road leading from Greenwich to Bridgeton, thru Dutch Neck, in front of the farm house of L. Umland in the southerly end of the bottom concrete step; 5.96 miles from the main intersection in Greenwich, and 0.50 miles east from Monument #2996. A standard monel metal rivet, set in concrete.  
Elevation: 42.033 ft.
- MON. 2996: HOPEWELL TWP., CUMBERLAND CO., N.J. On the southerly side of the Greenwich-Bridgeton Road (thru Dutch Neck), about 5.5 miles east of the main intersection in Greenwich; 0.20 ft. above the ground; 40.35 ft. south of pole #775-5; 44.0 ft. west of pole #EP-10477; and 35.30 ft. northeast of a cedar tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 45.366 ft.
- MON. 2995: HOPEWELL TWP., CUMBERLAND CO., N.J. On the south side of the Greenwich-Bridgeton Road (thru Dutch Neck), about 5.1 miles east of the main intersection in Greenwich; 0.20 ft. below the ground; 27.25 ft. southwest of pole #775-15; 115.10 ft. southeast of pole #775-16; and 103.15 ft. northeast of the northeast corner of a frame barn. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 44.416 ft.

NEW JERSEY

1940

GEODETTIC CONTROL SURVEY

CUM-D page 4

DESCRIPTION OF BENCH MARKS

- MON. 2994: HOPEWELL TWP., CUMBERLAND CO., N.J. On the north side of the road from Greenwich to Bridgeton through Dutch Neck, about 4.63 miles east of the main intersection in Greenwich; 0.40 ft. above the shoulder of the road; 3.60 ft. southeast of pole #TP-775-34; 41.60 ft. north of pole #EP-10496; 59.30 ft. west of fence corner. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 30.544 ft.
- MON. 2993: HOPEWELL TWP., CUMBERLAND CO., N.J. On the south side of the road from Greenwich to Bridgeton, through Dutch Neck, 4.27 miles east of the main intersection in Greenwich; 0.50 ft. above the shoulder of the road; 117.55 ft. southwest of the southwest corner of the frame house of C. Gould; 20.0 ft. south of the center of the road; 15.40 ft. east of a corner post of a fence at the corner of the wood 16.40 ft. north of an apple tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 24.529 ft.
- MON. 2992: HOPEWELL TWP., CUMBERLAND CO., N.J. On the north side of the road from Greenwich to Bridgeton, through Dutch Neck, about 3.72 miles southeast of the main intersection in Greenwich, and about 0.20 ft. above the ground; 40.00 ft. east of a large maple tree; 66.80 ft. southeast of the southeast corner of the frame house of I.T. Wheaton; 28.70 ft. west of pole #TP-7127-75; 18.0 ft. north of the center line of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 44.686 ft.
- MON. 2991: HOPEWELL TWP., CUMBERLAND CO., N.J. On the south side of the road from Greenwich to Bridgeton, through Dutch Neck, about 3.42 miles southeast of the main intersection in Greenwich; level with the ground; 3.20 ft. southeast of pole #EP-5025; 88.80 ft. southeast of pole #TP-7127-86; 18.0 ft. south of the center of the road; and 77.70 ft. southwest of pole #TP-7127-85. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 35.216 ft.
- RV. 2994: HOPEWELL TWP., CUMBERLAND CO., N.J. On the south side of the road from Greenwich to Bridgeton, through Dutch Neck, in the corner of a field in the west side of a road, about 2.83 miles from the main intersection in Greenwich, and 0.43 miles southwest from Rivet #2993; 0.50 ft. above the ground. A standard monel metal rivet, set in concrete.  
Elevation: 51.247 ft.

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1840

## DESCRIPTION OF BRANCH MARKS

CUM-D page 5

- RV. 2993: HOPEWELL TWP., CUMBERLAND CO., N.J. On the north side of the road from Greenwich to Bridgeton, through Dutch Neck, 2.39 miles from the main intersection in Greenwich, and 0.62 miles east from monument #2990; in the edge of the woods; about 0.20 ft. above ground, and about 3.0 ft. lower than the road surface. A standard monel metal rivet set in concrete.  
Elevation: 34.637 ft.
- MON. 2990: GREENWICH TWP., CUMBERLAND CO., N.J. On the northwest side of the road from Greenwich to Bridgeton, at the cross roads near Shappards Mill, about 1.77 miles northeast of the main intersection in Greenwich; level with the ground; 89.70 ft. north of pole #TP-728-188; 24.0 ft. northwest of the centerline of the road; 54.20 ft. south of a large oak tree; and 15.80 ft. southeast of a large maple tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 19.047 ft.
- MON. 2989: GREENWICH TWP., CUMBERLAND CO., N.J. On the northwest side of the road from Greenwich to Bridgeton, about 1.58 miles northeast of the main intersection in Greenwich; level with the ground; 12.70 ft. northwest of pole #TP-728-206; 21.0 ft. northwest of the centerline of the road; 40.0 ft. northwest of pole #TP-728-204; and 94.80 ft. southwest of pole #TP-728-205. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 18.692 ft.
- RV. 2992: GREENWICH TWP., CUMBERLAND CO., N.J. On the northwest side of the road from Greenwich to Bridgeton, 1.02 miles northeast from the main intersection at Greenwich, and 0.50 miles northeast from rivet #2991; in the shoulder of the road in front of the frame dwelling of John L. Gibe; level with the ground. A standard monel metal rivet, set in concrete.  
Elevation: 8.318 ft.
- RV. 2991: GREENWICH TWP., CUMBERLAND CO., N.J. On the road from Greenwich to Bridgeton, 0.52 miles northeast from the main intersection in Greenwich; in the northeast end of the southeast balustrade of a concrete bridge, over Molly Wheatons Run. A standard monel metal rivet, set in concrete.  
Elevation: 9.534 ft.

- MON. 2989: GREENWICH TWP., CUMBERLAND CO., N.J. On the southwest side of the main street in Greenwich, opposite the road leading to Bridgeton, about 7.1 miles southeast of the center of the iron bridge over Stowe Creek; level with the ground; 28.70 ft. northeast of the north corner of the brick house of Charles Ewing; 48.0 ft. north of the east corner of the same house; 77.80 ft. southwest of the south corner of the stone building of W. Cauthorn. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.658 ft.
- MON. 2987: GREENWICH TWP., CUMBERLAND CO., N.J. On the northwest side of the main street in Greenwich, opposite a road leading to Canton, about 6.7 miles southeast of the center of the iron bridge over Stowe Creek; level with the ground 25.5 ft. southwest of the west corner of the stone house of James Riggins; 49.70 ft. northwest of the south corner of said house; 14.90 ft. northwest of pole #EP-7825. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 14.701 ft.
- MON. 2986: GREENWICH TWP., CUMBERLAND CO., N.J. On the southeast side of a road from Canton to Greenwich, about 6.35 miles east of the iron bridge over Stowe Creek; flush with the ground; 29.80 ft. northwest of the northwest corner of the house of Chauncey Glaspey; 35.20 ft. northwest of the northeast corner of the porch of the said house; and 0.80 ft. south of the southwest end of a concrete curb. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 12.547 ft.
- MON. 2985: GREENWICH TWP., CUMBERLAND CO., N.J. On the southeast side of a road from Canton to Greenwich, about 6.12 miles southeast of the iron bridge over Stowe Creek; level with the ground; 49.80 ft. northeast of the northeast corner of the frame house of Frank Hall; 92.50 ft. west of the northwest corner of the frame house of Melvin Parsons; and 53.20 ft. south of a pole #BT-728-327. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.459 ft.
- RV. 2990: GREENWICH TWP., CUMBERLAND CO., N.J. On the south side of the road from Bayside to Greenwich, at its intersection with the main road to Canton; 5.64 miles southwest from the center of the iron bridge over Stowe Creek, and 0.62 miles southeast from monument #2984; 0.20 ft. above the ground. A standard monel metal rivet, set in concrete.  
Elevation: 8.995 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUN-D page 7

- MON. 2984: GREENWICH TWP., CUMBERLAND CO., N.J. On the southeast side of the road from Canton to Greenwich at the entrance to property of Robert Watson, about 5.02 miles southeast of the iron bridge over Stowe Creek; flush with the ground; 33.20 ft. south of the corner of a fence on the north side of the entrance to Watson's farm; 22.10 ft. from the fence post on the south side of same entrance; 36.70 ft. northwest of the south corner of the fence. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 20.200 ft.
- MON. 2983: GREENWICH TWP., CUMBERLAND CO., N.J. On the west side of the road from Canton to Greenwich, about 4.67 miles southeast from the iron bridge over Stowe Creek; flush with the ground; 50.10 ft. southeast of a pole; 44.60 ft. west of the northeast end of a concrete drain pipe under the road; 16.70 ft. northwest of the southwest end of the same pipe. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 18.965 ft.
- MON. 2982: GREENWICH TWP., CUMBERLAND CO., N.J. On the east side of the road from Canton to Greenwich, about 4.24 miles southeast of the iron bridge over Stowe Creek; 0.30 ft. below the ground; 84.50 ft. east of a cedar tree; 15.0 ft. north east of the centerline of the road; 39.0 ft. northeast of a U.S. mail box. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 23.180 ft.
- RV. 2989: GREENWICH TWP., CUMBERLAND CO., N.J. On the road from Roadstown to Stathema Neck, at its intersection with the road leading from Canton to Greenwich, 3.60 miles southeast from the center of the iron bridge over Stowe Creek, and 0.43 miles southeast from rivet #2988; in the west end of the south headwall of a pipe culvert. A standard monel metal rivet, set in concrete.  
Elevation: 12.812 ft.
- RV. 2988: GREENWICH TWP., CUMBERLAND CO., N.J. On the road from Canton to Greenwich, 3.17 miles southeast from the center of the iron bridge over Stowe Creek; and 0.25 miles southeast from monument #2981; in the north end of the south wall of a bridge over New Port Creek. A standard monel metal rivet, set in concrete.  
Elevation: 5.531 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUM-D page 8

- MON. 2981: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the west side of the road from Canton to Greenwich, about 2.92 miles south of the iron bridge over Stowe Creek; 0.30 ft. below the shoulder of the road; 34.0 ft. south of the west end of a stone culvert; 41.0 ft. southwest of the east end of stone culvert; and 40.70 ft. northwest of a cedar tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.260 ft.
- MON. 2980: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the east side of road from Canton to Greenwich, about 2.52 miles south from the iron bridge over Stowe Creek; 18.0 ft. east of the centerline of the road; 73.50 ft. southeast of an apple tree; and 153.50 ft. northeast of the northeast corner of the frame house of Gene Willis. A standard U.S. C. & G.S. & S.S. disk, set in concrete.  
Elevation: 33.672 ft.
- MON. 2979: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the west side of the road from Canton to Greenwich, at Gum Tree Corner, about 1.92 miles southeast of an iron bridge over Stowe Creek; 0.20 ft. below the ground; 71.60 ft. south of pole #EP-12410; 14.20 ft. southwest of a Gum Tree; and 67.20 ft. southwest of pole #EP-746-116. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 38.111 ft.
- MON. 2978: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the northeast side of the road leading from Canton to Greenwich, about 1.57 miles southeast of an iron bridge over Stowe Creek; 0.40 ft. below the ground; 142.20 ft. southeast of pole #TP-746-127; 45.70 ft. northwest of pole #TP-746-126; and 105.85 ft. north of pole #EP-12625. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 37.332 ft.
- MON. 2977: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the southwest corner of Canton-Greenwich Road and Woods Landing-Roadstown Road, about 1.32 miles southeast of an iron bridge over Stowe Creek; 0.20 ft. below the ground; 64.80 ft. north of the north corner of an old saw mill; 64.80 ft. northwest of the southwest corner of the General Store of J. Brown; and 52.25 ft. southwest of pole #TP-746-134. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 30.625 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## 'DESCRIPTION OF BENCH MARKS

CUM-D page 9

- RV. 6037: GARRISONS CORNER, STOWE CREEK TWP., CUMBERLAND CO., N. J. On the south side of the road between Garrisons Corner and Shiloh, about 0.48 miles east of Garrisons Corner, in the northwest edge of the southwest concrete head wall of the bridge over Denn's Branch of Stowe Creek; about 200 ft. southwest of the farm house of S. Richey; 0.80 ft. northwest of post of guard rail; and 0.25 ft. south of the north edge. A standard monel metal rivet, set in concrete.  
Elevation: 20.017 ft.
- RV. 6038: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the north side of the Garrisons Corner-Shiloh Road, about 1.45 miles east of Garrisons Corner; in the headwall of a culvert over a branch of Stowe Creek; 0.42 ft. south of the north edge of the wall; and 1.83 ft. west of the east edge of the wall. A standard monel metal rivet, set in concrete.  
Elevation: 42.847 ft.
- RV. 6039: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the north side of the Garrisons Corner-Shiloh Road, about 2.25 miles east of Garrisons Corner, and about 1.00 mile west of Kernans Corner; in the headwall of a culvert over Bishop's Run; 0.60 ft. southeast from the intersection of the wing wall and the head wall; 0.80 ft. west of the east edge of the head wall. A standard monel metal rivet, set in concrete.  
Elevation: 45.594 ft.
- RV. 6046: TOWN HALL, STOWE CREEK TWP., CUMBERLAND CO., N.J. On the Garrisons Corner-Shiloh Road, about 2.85 miles east of Garrisons Corner; 1.75 miles northwest of Roadstown; 0.80 miles west of Kernans Corner; southwest of the intersection of the Jericho Road with the road to Garrisons Corner; in the east side of the north concrete step to the entrance of the brick school house of Stowe Creek Twp.; 3.0 ft. east of the entrance; 0.59 ft. north of the face of the brick wall; 1.75 ft. west of east edge of step. A standard monel metal rivet, set in concrete.  
Elevation: 103.868 ft.
- RV. 6040: KERNANS CORNER, STOWE CREEK TWP., CUMBERLAND CO., N. J. On the Garrisons Corner-Shiloh Road, about 3.85 miles east of Garrisons Corner, and 1.15 miles north of Roadstown; in the southeast corner of the circular concrete step to the front door of the stucco house owned by Henry Asta; the house is northwest of the intersection of the road leading northwest to Jericho with the road leading west to Garrisons Corner. A standard monel metal rivet, set in concrete.  
Elevation: 125.089 ft.

Cumberland County

NEW JERSEY

1940-1942

GEODETIC CONTROL SURVEY

CUM-D page 10

DESCRIPTION OF BENCH MARKS

RV. 6041: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the Garrisons Corner-Shiloh Road, about 4.15 miles east of Garrisons Corner; 0.90 miles northeast of Kernans Corner; 1.10 miles west of Shiloh; on the southeast corner of the intersection of the road leading north to Marlboro and the road leading to Shiloh; 54.65 ft. south of pole #ACE-11289; 39.95 ft. east of pole #BT-48; 20.5 ft. east of the centerline of the Marlboro Road; 30.50 ft. south of the centerline of the Shiloh Road; 0.90 ft. southwest of the northeast corner of the concrete head wall of a small box culvert under the Shiloh Road; and 0.37 ft. northwest of the edge of the wall. A standard monel metal rivet, set in concrete.

Elevation: 111.729 ft.

RV. 6036: SHILOH, HOWELL TWP., CUMBERLAND CO., N.J. At the north intersection of Route #49 and the street leading east to the Seventh Day Baptist Church, about 0.20 miles northwest of the Shiloh Public School House; in the south end of the concrete step of the Grocery Store of S.V. Davis; 13.50 ft. south of the entrance of the Davis store; 1.35 ft. north of the southwest corner of the store; 0.27 ft. west of the edge of the store. A standard monel metal rivet, set in concrete.

Elevation: 117.978 ft.

L-9 SHILOH, CUMBERLAND CO., N.J. In the northeast face of the Shiloh Public School, 10 ft. southeast of the north corner of the building, and 3 ft. above the ground. A standard disk, stamped "L-9 1930", and set vertically in the brick wall.

Elevation: (55.832 meters or 117.569 ft.)

INTERMEDIATE RUN: MON. 3006 to RV 132

MK. 9002: CITY OF BRIDGETON, CUMBERLAND COUNTY, N.J. On the west side of West Avenue about 20 ft. south of the junction of West Commerce Street Extension with West Avenue and about 16.0 ft. north of the railroad crossing over West Avenue; 6.60 ft. northeast of pole; 1.10 ft. south of a drain basin. A galvanized iron bolt set in concrete curb.

Elevation: 38.089



NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

CUM-D Page 11

- DISK 9003: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the west side of the Bridgeton High School Stadium about 300 ft. east of West Avenue; flush with the northeast corner of the concrete steps of the entrance to the Home Team Lockers; 5.0 ft. south of the edge of the curb; 0.77 ft. south of the edge of concrete step; 0.67 ft. west of the edge of the step. A standard N.J.G.C.S. disk.  
Elevation: 59.537 ft.
- MK. 9004: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the west side of West Avenue opposite house #198 and about 1400 ft. north of (Pole) High School Stadium; 49.45 ft. southeast of BT/ACE-375-B-1; 5.25 ft. southeast of an 8" maple tree, 7.35 ft. north of an angle in the concrete curb (driveway). A galvanized iron bolt set in concrete curb.  
Elevation: 79.060 ft.
- MK. 9005: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the northwest corner of the west wall of the bridge carrying West Avenue over Irland Mill Stream; 0.67 ft. south of a post of the guard rail; 0.39 ft. north of edge of the wall. A galvanized iron bolt.  
Elevation: 32.587 ft.
- DISK 9006: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the northwest corner of bridge over Raceway of Sunset Lake in the City Park; 5.2 ft. southeast from the edge of the wall 0.45 ft. northwest of edge of the curb, 0.75 ft. northeast of the end of the curb. A standard N.J.G.C.S. disk, set flush in the concrete curb.  
Elevation: 23.625 ft.
- MK. 9007: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the north corner of the bridge over the stream known locally as the "Second Gate Hole"; 6.19 ft. northwest from face of the curb; 2.30 ft. northeast from the gate control post; 1.76 ft. southeast from face of wall on the stream side; 0.56 ft. southwest from north edge of the wall. A galvanized iron bolt, set flush.  
Elevation: 21.113 ft.
- MK. 9008: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the west concrete headwall of the culvert carrying the old Bridgeton to Deerfield Pike over Stone Bridge Run; 31.45 ft. west of the centerline of the Deerfield Pike; 40.03 ft. south of the north edge of the wall. A galvanized iron bolt, set flush.  
Elevation: 45.342 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1942

## DESCRIPTION OF BENCH MARKS

CUM-D Page 12

RV. 132: BRIDGETON, CUMBERLAND COUNTY, N. J. At New Jersey Power & Light Company on Central Railroad, at the mile post 132, on north side of track. A raised lug on base casting of mile post set by the Central Railroad Company.  
Elevation: 45.338 ft.

INTERMEDIATE RUN: MK. 9008 to MON. 9073.

MK. 9012: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the south side of Bridgeton Avenue about 750 ft. northwest of North Pearl Street opposite House #166; 26.25 ft. northwest from the easterly end of the curb; 18.60 ft. southwest from the center of Bridgeton Avenue; 23.82 ft. northwest from the northwest corner of house #166. A galvanized iron bolt, set in the concrete curb.  
Elevation: 81.379 ft.

MON. 9068: BRIDGETON, CUMBERLAND COUNTY, N. J. At the intersection of the Penn-Reading Seashore Line tracks, and the Rosenhayn Road, about 200 ft. northeast of the Salem Brass and Iron Foundry and about 250 ft. east of the Byers Pork Packing Plant; 14.50 ft. northwest of the centerline of the Rosenhayn Road; 8.0 ft. northeast of centerline of the R.R. tracks, and 87.0 ft. southwest of centerline of the Central R.R. of N. J. tracks; 161.85 ft. southwest of south corner of the Eastern Plate Glass Window Co.; 28.85 ft. west of pole BT-444-BI. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 69.254 ft.

MON. 9069: BRIDGETON, CUMBERLAND COUNTY, N. J. At the right-of-way of the Penn-Reading Seashore Lines, 77.1 ft. southwest of the centerline of Indian Avenue; 9.5 ft. east of the center of the tracks; 109.15 ft. east of the north corner of concrete loading platform of the American Can Company; 89.58 ft. northeast of the loading platform, (a line at right angles). A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 55.210 ft.

MK. 9013: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the Irving Avenue Railroad Station of the Penn-Reading Seashore Lines, in the concrete curb retaining wall for station platform; 5.0 ft. southwest from centerline of the track; 52.27 ft. northwest from the center of Irving Avenue; 21.36 ft. northwest from southeast end of the curb; 15.87 ft. northwest from the northwest end of concrete foundation for the signal switch box. A galvanized iron bolt set in the concrete curb.  
Elevation: 45.938 ft.

## NEW JERSEY

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

Cumberland County

1942

CUM-D Page 13

- MK. 9014:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete foundation block of the Ice loading platform of the Crystal Ice Company; 8.0 ft. west of the centerline of the tracks of the Central Railroad of N. J. (Maurice River branch); 13.45 ft. east of the center of a switch leading into the plant; 30.85 ft. north of the east corner of the present platform. A galvanized iron bolt.  
Elevation: 40.856 ft.
- MON. 3009:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. On the northeast side of S. H. Route #49 (E. Commerce Street), just northwest of the railroad crossing, about 0.8 mile southeast of its intersection with Pearl Street; 0.1 ft. below ground; 9.3 ft. northwest of the west rail of the C.R.R. of N. J. tracks; 26.81 ft. southeast of a pole BT 67-31; 39.2 ft. west of the west corner of a Ford Garage. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 59.492 ft.
- MK. 9016:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete foundation of a steel oil tank of the Bridgeton City Asphalt Plant, and the east side of the Central R.R. of N. J. about 1300 ft. south of Rt. #49 (East Commerce St.); about 100 ft. east of the R.R. tracks; 0.6 ft. southeast of the edge of the tank. A galvanized iron bolt.  
Elevation: 70.525 ft.
- MK. 9019:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the southwest curb of Henry Street just southwest of Willow Street; 12.0 ft. southwest of centerline of Henry Street; 24.37 ft. northwest of pole B T 593; 67.55 ft. southwest of a 1 story frame building; 36.0 ft. northeast of Willow tree in yard. A galvanized iron bolt.  
Elevation: 46.186 ft.
- DISK 9020:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Set flush with the top of southwest wing wall of bridge carrying Southeast Avenue over Mill Creek in the city of Bridgeton. A standard U.S.C. & G.S. disk.  
Elevation: 13.240 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1942

## DESCRIPTION OF BENCH MARKS

CUM-D Page 14

MON. 9073: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the front of the Martin Dye Works, near the west end of East Lake Dam; flush with the ground; 396.3 ft. southeast of the centerline of East Avenue; 20.45 ft. south of the centerline of East Commerce Street; 1.45 ft. southwest of the face of the concrete curb; 9.47 ft. southeast of an 8 inch maple tree; 43.87 ft. south of a nail in pole BT-ACE-1630; 31.78 ft. west of a nail in pole ACE-1642. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 26.028 ft.

INTERMEDIATE RUN: MK. 9002 TO MK. 3087 (N.J.G.S. 22-41)

MK. 6011: (N.J.G.S. 54.25) BRIDGETON, CUMBERLAND COUNTY, N. J. On the west end of large upper stone step of front entrance of stone Presbyterian Church on Commerce Street in West Bridgeton. A cross.  
Elevation: 54.644 ft.

MK. 9023: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the northwest intersection of West Commerce Street and Franklin Street; 18.0 ft. north of the centerline of West Commerce Street; 11.63 ft. south of corner stone; 16.2 ft. southeast of fire hydrant; 15.7 ft. west of centerline of Franklin Street. A galvanized iron bolt, set flush with concrete curb.  
Elevation: 43.414 ft.

DISK 9021: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. Set flush with top of old sand stone end wall of old bridge carrying Commerce Street over Cohansy Creek-Bridge was destroyed in flood of 1936. A standard U.S.C. & G.S. & S.S. disk.  
Elevation: 11.302 ft.

MK. 9022: CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In top of old sand stone wall of old bridge carrying Commerce Street over Cohansy Creek. Bridge was destroyed in flood of 1936. A cross.  
Elevation: 11.273 ft.

MK. 3087: (N.J.G.S. 22.41) BRIDGETON, CUMBERLAND COUNTY, N. J. On east end of door sill of main front entrance of First Baptist Church on Commerce Street. A cross.  
Elevation: 22.761 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY

1940

CUM-E page 1

DESCRIPTION OF BENCH MARKS

STARTING IN CAPE MAY COUNTY, ABOUT 1.2 MILES WEST OF ELDORA, SAME COUNTY, AT THE CROSSING OF STATE HIGHWAY ROUTE #49 AND WEST CREEK ON THE CUMBERLAND COUNTY LINE, AND RUNNING THENCE WESTERLY ALONG STATE HIGHWAY ROUTE #49 THROUGH MAURICE RIVER TWP., CUMBERLAND COUNTY, TO THE DELMONT-HEISLERVILLE-EAST POINT ROAD, DELMONT, SAME TOWNSHIP, THENCE WESTERLY AND SOUTHWESTERLY ALONG SAID ROAD TO EAST POINT TO A POINT ABOUT 1.35 MILES SOUTHWEST FROM THE JUNCTION OF THE ROAD LEADING NORTHERLY TO DORCHESTER FROM EAST POINT ROAD, THENCE NORTHERLY ALONG THE EAST SHORE OF, AND ACROSS THE MAURICE RIVER AND THROUGH RIVALVE, COMMERCIAL TWP., SAME COUNTY, TO HIGH AND MAIN STREETS, PORT NORRIS, SAME TOWNSHIP, THENCE EAST ALONG MAIN STREET TO THE ROAD TO HALEYVILLE, SAME LOCALITY, THENCE NORTH ALONG SAID ROAD TO THE MAURICETOWN-DIVIDING CREEK ROAD, HALEYVILLE, SAME TOWNSHIP, THENCE EASTERLY ALONG MAURICETOWN-DIVIDING CREEK ROAD THROUGH MAURICE TOWN, SAME TOWNSHIP, TO STATE HIGHWAY ROUTE #49, MAURICE RIVER TWP., SAME 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.

U-8: ELDORA, CAPE MAY COUNTY, N.J. About 1.2 miles west of Eldora, at the highway bridge crossing West Creek, on the south curb at a point 10 ft. west of the east end of the bridge. A standard disk, stamped "U-8 1950".  
Elevation: (5.485 meters or 11.434 ft.)

MON. 3056: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of State Highway Route #49, just west of the Cape May County line at West Creek; flush with the ground; 22.3 ft. south of the centerline of Route #49; 44.0 ft. west of the southwest corner of the bridge over West Creek and 40.1 ft. east of a pole #ACE-6762. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.780 ft.

MON. 3055: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of State Highway Route #49, about 0.45 miles west of the Cape May County line at West Creek; 0.1 ft. below the ground; 25.4 ft. north of the centerline of Route #49; 9.7 ft. west of a pole #BT-3-2826; and 85.0 ft. northeast of a pole #ACE-6747. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 12.045 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-E page 3

DESCRIPTION OF BENCH MARKS

RV. 3026: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 14.9 miles southeast of Main and Second Sts.; 0.13 ft. below the centerline of the highway; 0.05 ft. below the surface of the ground; 24.25 ft. south of the centerline of the highway; 17.9 ft. west of a pole #ACE-6755; 62.0 ft. south of pole #BT-3-2610; referred to the home of LeRoy Tezour by the following ties: 42.6 ft. from the northeast corner of the home, and 56.9 ft. from the southeast corner of the home. A standard monel metal rivet, set in concrete.  
Elevation: 7.960 ft.

MON. 3034: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of Route #49, about 0.95 miles west of the county line; 0.15 ft. below the ground; 19.85 ft. north of the centerline of the road; 55.8 ft. southwest of a pole #BT-3-2590; and 72.65 ft. east of a pole #BT-3-2589. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.852 ft.

MON. 3033: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of Route #49, about 1.25 miles west of the county line, in front of the house of Bert Welden; 0.3 ft. below ground; 38.95 ft. south of the centerline of the road; 36.6 ft. northeast of a pole #ACE-6694; and 38.25 ft. northwest of the northwest corner of the house of Bert Welden. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.775 ft.

UX-8: DELMONT, CUMBERLAND CO., N.J. On property belonging to Howard Thorson, 101 ft. southwest of the Thorson house; 28 1/4 ft. north of the centerline of the highway #49; and 23 1/4 ft. northeast of pole #BT-32576. A standard disk, stamped "UX-8 1930", and set in the top of a concrete post which projects about 2 inches above the ground.  
Elevation: (3.262 meters or 10.702 ft.)

RV. 3025: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the Delsea Drive, Route #49, about 13.65 miles southeast of Main and Second Sts. in Millville; about 150.0 ft. south of road leading west to Heislerville; about 150.0 ft. north of Gulf Gas Station; on the west side of the highway in a concrete abutment over small stream that crosses Route #49. A standard monel metal rivet, set in concrete.  
Elevation: 7.398 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-E page 3

- MON. 6016: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On State Highway Route #49, opposite the side road to Heislerville and East Point, in front of the house of Guszip; flush with ground; 21.7 ft. east of the centerline of Route #49; 43.8 ft. southwest of the southwest corner of the house of Guszip; and 32.0 ft. north of pole #ACE-6675. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.508 ft.
- MON. 6017: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of the Delmont-Heislerville Road, about 0.3 miles west of Route #49, in front of house of Charles Warwick; flush with ground; 19.0 ft. north of centerline of the road; 57.0 ft. west of pole #ACE-12101; and 41.6 ft. northwest of pole #BT-3-2542. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.386 ft.
- RV. 3080: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On road leading southwest from Route #49 to East Point, about 14.4 miles south from Main & Second Sts. in Millville; about 0.8 mile northwest of intersection of Route #49 and road to East Point; 0.2 ft. above ground; and 0.2 ft. below centerline of road; 14.0 ft. north of centerline of road; 42.1 ft. northeast of pole #BT-3-2523; 114.7 ft. northwest of pole #BT-3-2524; 11.25 ft. southwest of 10 inch red cedar tree; on the north side of road, about 15.0 ft. southwest of a clump of red cedar trees. A standard monel metal rivet, set in concrete.  
Elevation: 4.349 ft.
- RV. 3081: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On road leading southwest from Route #49 to East Point, about 14.95 miles south from Main & Second Sts. in Millville; about 1.35 miles northwest of intersection of Route #49 and road to East Point; 0.1 ft. above ground, and 0.2 ft. above centerline of road; 14.1 ft. north of centerline of road; 43.5 ft. east of pole #BT-3-2498; 74.0 ft. west of pole #BT-3-2499. A standard monel metal rivet, set in concrete.  
Elevation: 4.849 ft.
- MON. 6018: HEISLERVILLE, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of the East Point Road, opposite the road to Leesburg; flush with ground; 14.0 ft. south of centerline of the East Point Road; 42.2 ft. southeast of a 4 ft. maple tree; 44.6 ft. southwest of pole #BT-324-79; 26.9 ft. north west of the northwest corner of house of Leslie Thompson; 32.4 ft. northwest of the northeast corner of same house; and 5.0 ft. west of pole #BT-324-79-S. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.970 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-E page 4

- MON. 6019: HEISLERVILLE, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of the road leading from Delmont, westerly to East Point; about 2.05 miles west of its intersection with State Highway Route #49; flush with the ground; 17.0 ft. north of the centerline of the road; 11.7 ft. southeast of a 1 ft. blazed gum tree; and 40.3 ft. north of a 2. ft. blazed white oak tree; 20.0 ft. west of a Forked 30 inch maple tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.907 ft.
- RV. 3082: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On road leading southwest from Route #49 to East Point, about 16.2 miles south from Main and Second Sts. in Millville; about 2.6 miles from the intersection of Route #49 and the East Point Road; about 0.85 miles southwest of the intersection of the Dorchester Road and the East Point Road; 0.2 ft. below the ground; 0.3 ft. below the centerline of the road; 13.0 ft. northwest of the centerline of road; 28.4 ft. from the southwest corner of the barn; 39.0 ft. from the northwest corner of the barn; and referred to the home of Mary Kupski by the following ties: 32.1 ft. from the northeast corner of the house; 44.1 ft. from the northwest corner of the house. A standard monel metal rivet, set in concrete.  
Elevation: 5.746 ft.
- RV. 3083: MAURICE RIVER TWP., CUMBERLAND CO., N. J. On road leading southwest from Route #49 to East Point, about 16.7 miles south from Main and Second Sts. in Millville; about 3.1 miles from the intersection of Route #49 and the East Point Road; about 1.35 miles southwest from the Dorchester Road intersection with the East Point Road; flush with the ground, and 0.2 ft. above the centerline of the road; 28.0 ft. northwest of the centerline of the road; 4.7 ft. southwest of a 1.5 ft. red cedar tree; about 210.0 ft. northeast of a small grove of gum trees. A standard monel metal rivet, set in concrete.  
Elevation: 7.860 ft.
- RV. 6027: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east bank of the Maurice River, about 3.0 miles southwest of Leesburg, opposite Bivalve; about 100 ft. southwest of the southwest end of the Pa. & Red. Sea Shore R.R. Line into Maurice River; 0.2 ft. above the ground; 38.50 ft. from the northwest corner of the Blacksmith Shop owned by Wm. T. Han; 16.70 ft. from the southwest corner of the same building; 19.6 ft. south of the south corner of the Bulk head. A standard monel metal rivet, set in concrete.  
Elevation: 5.081 ft.



NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County

1940

CUM-E page 5

- RV. 6082: BIVALVE, COMMERCIAL TWP., CUMBERLAND CO., N.J. About 1.0 mile south of Main and High Sts. in Port Norris; 0.2 ft. below the ground; 190.0 ft. west of the west bank of the Maurice River; 150.0 ft. northwest of the Gasoline Storage tanks of Newcomb Bros.; between the most westerly track of the P. & R.S.L.R.R. and the Port Norris Road; 14.0 ft. southeast of the centerline of the Port Norris Road; 7.50 ft. northwest of the most westerly rail of the Railroad tracks; 43.92 ft. south of pole #ACE-5926; 91.92 ft. southwest of the southwest corner of the Bivalve Cooperative Co. Inc. Store; 43.10 ft. northeast of the southeast corner of the sheet iron River Side Garages. A standard monel metal rivet, set in concrete.  
Elevation: 4.396 ft.
- RV. 6050: BIVALVE, COMMERCIAL TWP., CUMBERLAND CO., N.J. About 0.75 miles south of Main and High Sts. in Port Norris; 0.15 mile north of Bivalve on the east side of Shell Road; 200 ft. north of the Mission Church; in the top of the east concrete head wall of the culvert over a large ditch which parallels the Shell Road; 1.40 ft. north of the south edge of the head wall; 1.43 ft. west of the east edge of the wall; 3.91 ft. north of pole #ACE-5912; 16.0 ft. east of the centerline of Shell Road. A standard monel metal rivet, set in concrete.  
Elevation: 4.053 ft.
- RV. 6051: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. At the northeast corner of High and Main Sts, in front of the Drug Store of Samuel A.B. Cobb; 16.75 ft. northeast of the centerline of Main Street; 21.60 ft. east of the centerline of High Street; 21.65 ft. southwest of the southwest corner of Cobbs store; 28.58 ft. southwest of the southeast corner of the store; in the top of the concrete curb. A standard monel metal rivet, set in concrete.  
Elevation: 11.274 ft.
- MON. 6006: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the south side of Main St. opposite the road leading northerly from Port Norris to Haleyville, opposite the M.E. Church; and flush with the ground; 20.27 ft. south of the centerline of Main St.; 11.3 ft. east of a sign post; and 13.4 ft. west of a pole #BT-3-2336; 41.76 ft. northeast of the northeast corner of the porch of Elizabeth Shepard, and 53.49 ft. northwest of the northwest corner of the corner post of a concrete block fence. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.822 ft.

NEW JERSEY

Cumberland County

GEODETTIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-E page 6

- MON. 6007: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the east side of the road leading northerly from Main St. to Haleyville, about 0.6 mile northeast of the Port Norris Post Office, and opposite the house of Harry Gates; 0.1 ft. below the ground; 21.0 ft. east of the centerline of the road; 32.0 ft. south of a pole #BT-36-1018; and 71.8 ft. southeast of the southeast corner of the house of Harry Gates; 107.78 ft. southeast of the northeast corner of the same house; and 51.1 ft. northeast of pole #ACE-6045. A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 9.028 ft.
- MON. 6008: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. At the forks in the Port Norris -Haleyville Road, about 0.9 mile northeast of the Port Norris Post Office, on the north corner; 0.1 ft. below the ground; 19.0 ft. northwest of the centerline of the Yakwak Road; 10.5 ft. northeast of a pole #ACE-6088; and 56.5 ft. northwest of a pole #56-1003. A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 13.942 ft.
- MON. 6009: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the east side of the Haleyville-Port Norris Road, about 3.1 miles south of the main cross roads in Haleyville; 0.2 ft. below ground; 21.3 ft. east of the centerline of the road; 92.20 ft. southwest of the southwest corner of the house of Charles E. Harris; and 43.45 ft. south of a pole #ACE-6090. A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 11.461 ft.
- MON. 6010: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the east side of the Haleyville-Port Norris Road, about 1.85 miles south of the main cross roads in Haleyville, near the house of George Trout; 0.2 ft. below ground; 38.2 ft. east of the centerline of the road; 45.5 ft. southeast of a pole #ACE-6096; and 133.7 ft. northwest of the northwest corner of the house of George Trout. A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 16.493 ft.
- RV. 3076: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the Port Norris-Mauricetown Road, about 20.75 miles southeast from Pearl and Commerce Sts. in Bridgeton; 23.9 ft. northwest of the centerline of the road; in the headwall of the culvert on the west side of the road over the branch of Sheppard's Run; 6.8 ft. northeast of the south end of the south wing wall; and 112.9 ft. southeast of Esso Gas Station. A standard monel metal rivet, set in concrete. Elevation: 13.868 ft.

## GEODETIC CONTROL SURVEY

CUM-2 page 7

## DESCRIPTION OF BENCH MARKS

- RV. 3077: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the east side of the highway, about 21.25 miles southeast from Pearl and Commerce Sts. in Bridgeton, on the Port Norris-Mauricetown Road; 500 ft. south of the back road leading east to Mauricetown; in the headwall of the culvert over a branch of Sheppard's Run; about 2.7 miles northeast of the Port Norris Post Office; 33.6 ft. southeast of the centerline of the highway. A standard monel metal rivet, set in concrete.  
Elevation: 11.441 ft.
- RV. 3078: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the east side of the highway, about 21.8 miles southeast from Pearl and Commerce Sts. in Bridgeton, on the Port Norris-Mauricetown Road; about 3.25 miles northeast from the Port Norris Post Office; about 0.3 miles southwest of the Haleyville Post Office; in the headwall of the culvert over a branch of Sheppard's Run; 24.6 ft. southeast of the centerline of the highway; and 61.8 ft. southeast of pole #BT-201-20. A standard monel metal rivet, set in concrete.  
Elevation: 20.928 ft.
- MON. 6011: HALEYVILLE, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the Mauricetown-Dividing Creek Road at the cross road to Port Norris; in front of the house of Allen Shappard, on the southeast corner; flush with the ground; 24.3 ft. south of the centerline of the Mauricetown Road; 23.7 ft. east of the centerline of the Port Norris Road; 9.8 ft. southwest of a pole #ACE-6121. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 38.208 ft.
- MON. 6012: HALEYVILLE, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the south side of the Mauricetown Road, about 0.25 miles southeast of the Haleyville Post Office, in front of the shop of Peter Sharp; flush with the ground; 25.51 ft. south of the centerline of the road; 16.0 ft. northeast of the northeast corner of the shop of Peter Sharp; 48.3 ft. east of the northeast corner of the house of Peter Sharp. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 31.899 ft.
- MON. 6013: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the north side of the Mauricetown-Haleyville Road, about 0.76 miles southeast of the Haleyville Post Office, in an oak grove opposite the house of Buelah Compton; flush with the ground; 21.1 ft. north of the centerline of the road; 51.3 ft. east of a pole #ACE-6164; and 96.7 ft. northwest of the northwest corner of the same house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 25.104 ft.

## DESCRIPTION OF BENCH MARKS

- MON. 6014: MAURICETOWN, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the north side of the Mauricetown-Dividing Creek Road (High St), about 1.1 miles southeast of the Haleyville Post Office, in front of the house of Dallas Garrison; flush with the ground; 18.7 ft. north of the centerline of High St.; 16.1 ft. southwest of a 24 inch cedar tree; and 22.0 ft. east of a pole #ACE-6175. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 17.757 ft.
- MON. 6015: MAURICETOWN, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the southeast corner of High St. at Noble St. in front of the house of Joseph Compton; flush with the ground; 20.53 ft. south of the centerline of High St.; 20.0 ft. east of the centerline of Noble St.; and 57.3 ft. northwest of the northwest corner of the same house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 18.253 ft.
- RV. 3079: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On road from Mauricetown to Route #49, about 25.9 miles southwest from Pearl and Commerce Sts. in Bridgeton; about 0.2 miles east of bridge crossing Maurice River; 0.4 ft. above the centerline of the highway; flush with the ground; 20.1 ft. south of the centerline of the highway; 5.4 ft. southwest of ACE pole #6253; 51.0 ft. southwest of BT pole #56-830; and 3 ft. south of highway fence. A standard monel metal rivet, set in concrete.  
Elevation: 6.226 ft.
- MON. 3028: MAURICE RIVER TWP., CUMBERLAND CO., N.J. Opposite the road to Mauricetown, on Route #49, about 2.0 miles south of Manumaskin Creek; 0.1 ft. below the ground; 28.85 ft. east of the centerline of Route #49; 45.45 ft. southeast of a C.I. Historic sign; and 72.45 ft. northeast of a pole #BT-ET&T-706. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.912 ft.
- SPUR RUN FROM RV. 3083 TO MK. 3094:
- MON. 6020: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the northwest side of the road from Heislerville to East Point, about 3.3 miles southwest of its intersection with Route #49, in a clump of Bay trees; 2.0 ft. below the road; 36.0 ft. east of the centerline of the old road; 25.5 ft. south of a 24 inch bay tree; and 222.0 ft. northeast of the center of a bridge crossing a 10 ft. ditch. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 6.805 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-R page 9

EAST: MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the east side of the easterly road near the fork, on the road from Heislerville to East Point, about 4.2 miles southwest of its intersection with State Highway Route #49; 0.25 ft. above the ground; 33.0 ft. west of a blazed cherry tree; 38.0 ft. northeast of the centerline of the road; 106.73 ft. south-southeast of R.M. #2; and 113.25 ft. east of R.M. #1. A standard U.S.C. & G.S. Triangulation Station disk set in concrete.

Elevation: 9.541 ft.

MK. 3094: MAURICE RIVER TWP., CUMBERLAND CO., N.J. Bench Mark #1 (1885), Maurice River Light, is the top of the foundation at the northwest corner of Maurice River Light on East Point.

Elevation: 9.261 ft.

ADDITIONAL MONUMENTS:

MON. 9048: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the south side of Highway Route #49, about 0.46 miles east of the Delmont M.E. Church, about 1.08 miles west of the Highway Bridge over West Creek; 0.6 ft. below the ground; 15.96 ft. southeast of the centerline of Route #49; 16.72 ft. northwest of pole #ACE-6725; and 138.16 ft. northeast of the southeast corner of house of Jarvis Veach. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 7.019 ft.

MON. 9049: DELMONT, MAURICE RIVER TWP., CUMBERLAND CO., N.J. On the north side of Highway Route #49, about 0.74 miles east of the Delmont M.E. Church, about 0.8 mile west of the Highway Bridge over West Creek; 0.3 ft. below the ground; 21.86 ft. north of the centerline of Route #49; 10.30 ft. southwest of pole #BT-3-2610; 70.02 ft. southeast of the northeast corner of the house of Harry D. Noblett. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 8.666 ft.

## NEW JERSEY

## GEODETIC CONTROL SURVEY

Cumberland County  
1938

## DESCRIPTION OF BENCH MARKS

CUM-F, page 1

STARTING IN MILLVILLE, CUMBERLAND CO. AT THE MILLVILLE NATIONAL BANK BUILDING AND RUNNING THENCE EASTERLY ALONG STATE HIGHWAY ROUTE 47 (MAIN ST.) TO SIXTH ST. THENCE SOUTHEASTERLY ALONG PENNSYLVANIA AND READING RAILROAD TO KATES BOULEVARD, THENCE WESTERLY TO #474 SECOND ST. (S.H. ROUTE 49), THENCE SOUTHERLY ALONG SAID ROUTE 49 TO DISPOSAL PLANT ROAD, THENCE WESTERLY ALONG SAID ROAD TO MILLVILLE FILTRATION PLANT, THENCE EASTERLY TO S.H. ROUTE 49 AT A POINT ABOUT 1.45 MILES SOUTHEAST OF S.H. ROUTE 47, STILL IN MILLVILLE, CUMBERLAND 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.

A 9 - CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the southeast corner of the Millville National Bank building. A standard U.S.C.&G.S.-B.M. disk, stamped "A 9 1930," and set in concrete.

Elevation: 29.495 ft.

MON 3037-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On State Highway Route #47 (Main St.) about 0.3 miles east of Second St., located on the northeast corner of Sixth and Main Sts., 0.1 ft. below the surface of the ground; 39.6 ft. east of the center line of Sixth St.; 41.5 ft. north of the center line of Main St.; and 28.8 ft. southwest of the southwest corner of the house of L. Burby. A standard U.S.C.&G.S.&S.S. disk, set in concrete.

Elevation: 36.800 ft.

MON 9015-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the northeast side of the P.&R. Railroad Track, 2.0 ft. above the centerline of the track; 18.48 ft. northeast of the centerline of the track; 56.38 ft. southeast of a switch light, 57.20 ft. south of telephone pole; and 89.50 ft. northwest of concrete wall of old warehouse. A standard N.J. G.C.S. disk, set in concrete, 0.2 ft. above the ground surface.

Elevation: 35.294 ft.

MON 9016-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the southwest side of the Pa. and Reading Railroad Track, about 0.4 mile northeast of Rebecca Mulford Bacon Grammar School, located on the southeast corner of Kates Blvd. and 3rd. St., Millville; 80.15 ft. southwest of a telephone pole, 20.99 ft. southwest of the centerline of the railroad tracks; 65.55 ft. northwest of a telephone pole, and about 34. ft. northwest of the centerline of Kates Blvd. A standard N.J.G.C.S. disk, set in concrete, 0.1 ft. above the surface of the ground.

Elevation: 31.311 ft.

## NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKSCumberland County  
1938

CUM-F, page 2

- MON 9033-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the west side Second St., (Rte. #49) about 0.60 miles southeast of its junction with S.H. Rte. #47, just west of old red brick school house; 15.95 ft. southwest of the centerline of Rte. #49, 27.01 ft. north of the northeast corner of barber shop of W.H. Franklin; and 29.26 ft. from the northeast corner of the porch of house #474; 1.06 ft. west of face of curb. A standard N.J.G.C.S. disk, set in concrete, 0.1 ft. below the curb.  
Elevation: 23.370 ft.
- MON 9032-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the northeast corner of the junction of Whitall Ave. with Rte. #49, about 0.88 mile southeast of the junction of S.H. Rte. #49 with #47 in Millville; 15.78 ft. northeast of the centerline of S.H. Rte. #49; 32.75 ft. northwest of the centerline of Whitall Ave., 44.22 ft. southwest of the southwest corner of house #713; and 1.15 ft. southeast of face of curb. A standard N.J.G.C.S. disk, set in concrete, 0.2 feet below the curb.  
Elevation: 23.244 ft.
- MON 9018-CITY OF MILLVILLE, CUMBERLAND CO. N.J. On the southwest corner of the junction of S.H. Rte. #49 and the road to the Millville Sewer Disposal Plant, about 1.12 miles southeast of the junction of S.H. Rtes. #47 and #49 in Millville; 57.75 ft. southeast of the southeast corner of house of A.M. Cossaboon, 6.0 ft. southeast of the centerline of Sewer Disposal Plant Road; 15.10 ft. southwest of the centerline of Rte. #49; 55.5 ft. northwest of the centerline of Stratton Ave. A standard N.J.G.C.S. disk, set in concrete, 0.3 ft. below the ground.  
Elevation: 24.896 ft.
- MON 9031-CITY OF MILLVILLE, CUMBERLAND CO. N.J. At the north side of the gate to the Sewer Disposal Plant, about 1.45 miles south of junction of S.H. Rtes #47 and #49 in Millville; 3.10 ft. northeast of a tack in the north gate post, 20.73 ft. northwest of cross cut in ring of man hole lid; and 11.12 ft. north of tack in south gate post. A standard N.J.G.C.S. disk, set in concrete, flush with the ground.  
Elevation: 14.964 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1938

CUM-F, page 3

FILTER-MILLVILLE, CUMBERLAND COUNTY, N.J. At the Millville Filter-  
ation Plant about 1.3 miles south of the city of Millville; 27.93 feet north of the northeast corner of the westernmost set of Settling Tanks, 48.50 feet southwest of northwest corner of a brick chimney at the northwest corner of office building and 56.30 feet west of center of a manhole cover, and 2 inches above the surface of the ground. A standard U.S.C.&G.S. Triangulation Station disk, set in concrete.  
Elevation: 9.325 ft.

Z 8 - MILLVILLE, CUMBERLAND COUNTY, N.J. East of a Shell gasoline station at the southeast edge of the town, 27.7 feet east of the center line of highway No. 49, 60 1/2 feet north of pole No. 1039, 65 3/4 feet southeast of pole No. 1038, 53 1/4 feet east of pole No. 56306, and 8.3 feet southeast of a hydrant. A standard disk, stamped "Z 8 1930," and set in the top of a concrete post which projects about 4 inches above the ground.  
Elevation: 22.657 ft.



STARTING IN VINELAND, CUMBERLAND COUNTY, AT THE CENTRAL RAILROAD CROSSING OF 47TH STREET, AND RUNNING THENCE NORTH ALONG STATE HIGHWAY ROUTE #47 TO PARK AVENUE, LANDIS TOWNSHIP, SAME COUNTY, THENCE WESTERLY ALONG ALMOND ROUTE TO MILL ROAD, SAME TOWNSHIP, THENCE SOUTH ALONG MILL ROAD TO VINELAND PIKE, SAME TOWNSHIP, THENCE WESTERLY ALONG VINELAND PIKE THROUGH PITTSBORO TOWNSHIP AND NORMA, SALEM COUNTY, ROSENHAYN, CUMBERLAND COUNTY, "RAINBOW LAKE", SALEM COUNTY, AND DEERFIELD TOWNSHIP, CUMBERLAND COUNTY, TO THE PENNSYLVANIA-READING SEASHORE RAILROAD, UPPER DEERFIELD TOWNSHIP, CUMBERLAND COUNTY, THENCE SOUTHERLY ALONG SAID RAILROAD AND CHURCH STREET TO EAST COMMERCE STREET, BRIDGETON, SAME COUNTY, THENCE ABOUT 0.2 MILE ALONG EAST COMMERCE STREET TO BANK STREET, 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.

- Z-21: VINELAND, CUMBERLAND CO., N.J. On Central Railroad at crossing of 47th St. in curbing of a drain, 50 ft. north of the tracks. A standard U.S.C. & G.S. disk, stamped "Z-21 1935", and set in concrete footing.  
Elevation: 86.079 ft.
- MON. 6037: LANDIS TWP., CUMBERLAND CO., N.J. On the west side of Highway Route #47, about 0.45 mile north of the traffic circle at Vineland Pike; flush with the ground; 18.9 ft. west of the centerline of the highway; 95.91 ft. northwest of the northwest corner of the White Sparrow Inn; 77.80 ft. northwest of pole #BVED-1257; 193.0 ft. north of the centerline of Park Ave.; 41.35 ft. southwest of pole #BT-26-853; and 78.50 ft. west of the northwest corner of the outside lunch counter belonging to the White Sparrow Inn. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 98.822 ft.
- COLONY: VINELAND, CUMBERLAND CO., N.J. On the property of the Vineland State Colony, about 39 ft. west of the centerline of the road, where the main entrance branches into two drives; running to the two main buildings, about 69.0 ft. southwest of the hydrant; referred to R.M. #1 which is 122.20 ft. east of the station on the north side of the drive, and about 9.0 ft. from the centerline of the drive; R.M. #2 which is 148.77 ft. south-southeast of the station, about 18.0 ft. east of the centerline of the main entrance and in a line of small trees; the distance between said Reference marks being 212.50 ft.; both reference marks being standard U.S.C. & G.S. reference mark disks, set in concrete 4 inches above the ground. A standard U.S.C. & G.S. triangulation station disk, set in concrete 4 inches above the ground.  
Elevation: 106.648 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-0 page 2

- MON. 9053: LANDIS TWP., CUMBERLAND CO., N.J. About 0.4 mile southwest of the Vineland State Colony; flush with the ground; on the back property line of the Acorn Land Co.; 845 ft. south of the centerline of Almond Road; 718.2 ft. east of the centerline of Mill Road; 83.55 ft. west of stake corner at the edge of the woods; and 330.20 ft. east of a cement monument at the corner of a chicken fence. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 81.253 ft.
- MON. 9054: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Mill Road; flush with the ground; 141.82 ft. southeast of intersection of the railroad and Mill Road; 15.0 ft. east of centerline of Mill Road; 173.93 ft. northeast of nail in pole #BVED-1037; and 145.94 ft. northeast of the northeast corner of a chicken coop. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 69.142 ft.
- MON. 9055: LANDIS TWP., CUMBERLAND CO., N.J. At the northwest corner of the intersection of Landis Ave. and Mill Road; flush with the ground; 23.7 ft. west of the centerline of Mill Road; 20.65 ft. north of centerline of Landis Ave.; 3.72 ft. west of a nail in pole #78653-LN; and 52.79 ft. south of the southeast corner of the store owned by E.R. Jones, rented by Sittler; and 62.76 ft. southeast of the southwest corner of same store. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 70.742 ft.
- MON. 6034: LANDIS TWP., CUMBERLAND CO., N.J. On the south side of Vineland Pike, about 0.5 mile east of the bridge over Maurice River; 20.4 ft. south of the road centerline; 42.0 ft. south of pole #BT-304-73; 107.6 ft. north of northeast corner of, and 103.4 ft. northeast of northwest corner of a house of Roy Hunt. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 70.374 ft.
- MON. 6033: LANDIS TWP., CUMBERLAND CO., N.J. On the north side of Vineland Pike, about 0.15 mile east of the highway bridge over Maurice River; flush with the ground; 20.7 ft. north of the centerline of the pike; 27.65 ft. southeast of a blazed 10 inch pine tree; 24.87 ft. southwest of a nail in a triangle in an 8 inch red oak tree; and 62.90 ft. west of a lag screw in a triangle in a blazed white oak tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 57.885 ft.

## NEW JERSEY

Salem County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-0 page 3

- MON. 9056: PITTS GROVE TWP., SALEM CO., N.J. On the south side of the Vineland Pike, about 0.4 mile southeast of Norma Sta.; 693.20 ft. west of bridge wall over the Maurice River; 19.45 ft. south of centerline of Pike; 18.82 ft. northwest of nail in a triangular blazed pine tree at edge of woods; and 81.17 ft. southwest of the southeast corner of the house owned by the Millville Traction Co., occupied by "Ridgeway". A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 52.448 ft.
- MON. 9057: PITTS GROVE TWP., SALEM CO., N.J. On the south side of the Vineland Pike, about 0.15 mile southeast of Norma Station; 13.25 ft. south of the centerline of the pike; 28.10 ft. northwest of nail in triangle blazed in a 10 inch black oak tree at the edge of the woods; 51.50 ft. southwest of a nail in the southeast side of pole #BT-N-2; and 751.64 ft. east of the center of the main tracks at intersection of the Pike and the Central RR. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 67.643 ft.
- MON. 9058: PITTS GROVE TWP., SALEM CO., N.J. On the north side of the Vineland Pike, at Norma Station, about 370.0 ft. northwest of the station; on the front lawn of property owned by Freida Gaidosh; 27.68 ft. southeast of southwest corner of porch of this house; 65.29 ft. west of the southwest corner of a store east of the house; 25.58 ft. north of centerline of the Pike; and 58.10 ft. west of a nail in pole #ACEB-3621. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 85.459 ft.
- MON. 6052: PITTS GROVE TWP., SALEM CO., N.J. On the southeast corner of Vineland Pike and Kent Road; 0.1 ft. below the ground; 32.5 ft. east of the centerline of Kent Road; 18.0 ft. south of the centerline of Vineland Pike; and 28.5 ft. west of pole #BT-27-240. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 72.493 ft.
- RV. 124: NORMA, SALEM CO., N.J. About 3.0 miles east of Central Railroad Station at Rosenhayn on Central Railroad, at Mile Post #124; 45.0 ft. north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 76.053 ft.

## NEW JERSEY

Salem County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-G page 4

- MON. 6031: PITTS GROVE TWP., SALEM CO., N.J. On the north side of Vineland Pike, about 0.6 mile northeast of Rainbow Lake; 0.1 ft. below the ground; 17.7 ft. north of the centerline of the road; 10.3 ft. southeast of a blazed 12 inch oak tree; and 39.5 ft. northwest of a pole on the south side of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 71.993 ft.
- MON. 9059: PITTS GROVE TWP., SALEM CO., N.J. On the north side of Vineland Pike, about 605 ft. east of the Pavillion at Rainbow Lake; flush with the ground; 285.71 ft. west of the centerline of the Six Point Road; 24.80 ft. north of centerline of Vineland Pike; 24.18 ft. west of nail in south side of pole #BT-2145; 15.22 ft. east of nail in south side of pole #ACE-3533; and 47.98 ft. north of nail in the southwest side of pole #BT-27-214. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 71.702 ft.
- RV. 6005: PITTS GROVE TWP., SALEM CO., N.J. On the Bridgeton-Vineland Road, about 8.2 miles northeast of Pearl and Commerce Sts. in Bridgeton; 17.3 ft. southeast of the centerline of the road; on the southeast wing wall of the bridge over spillway of Rainbow Lake. A standard monel metal rivet, set in concrete.  
Elevation: 61.045 ft.
- MON. 9060: PITTS GROVE TWP., SALEM CO., N.J. On the north side of the Vineland Road, about 1.75 miles northeast of Rosenhayn at Rainbow Lake; in the east angle of the driveway to the stucco bungalow of Frank Parvin; flush with the ground; 60.22 ft. south of the southwest corner of the bungalow; 67.53 ft. southwest of the southeast corner of the bungalow; 16.62 ft. north of centerline of Pike; and 28.28 ft. east of nail in pole #ACEB-3566. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 63.093 ft.
- MON. 9061: PITTS GROVE TWP., SALEM CO., N.J. On the south side of the Vineland Pike, about 0.5 mile southwest of Rainbow Lake; 0.75 mile northeast of Rosenhayn; and 825 ft. southwest of intersection of Friendship Road and Vineland Pike; 12.20 ft. south of the centerline of Vineland Pike; 76.70 ft. southeast of nail in pole #ACEB-3555; and 33.82 ft. northwest of the corner of a fence line. A standard N.J. G.C.S. disk, set in concrete.  
Elevation: 76.815 ft.

NEW JERSEY

1940

GEODETIC CONTROL SURVEY

CUM-C page 5

DESCRIPTION OF BENCH MARKS

- RV. 6006: PITTSBORO TWP., SALEM CO., N.J. On the Bridgeton-Vineland Road, about 7.65 miles northeast of Pearl and Commerce Sts. in Bridgeton; 0.72 miles northeast of Rosenhayn Road; 0.2 ft. above the ground, and 0.3 ft. above the centerline of the road; 19.85 ft. northwest of the centerline of the road; 40.4 ft. northwest of pole #BT-27-180; 61.0 ft. east of pole #ACE-3551; and 93.5 ft. west of pole #ACE-3552. A standard monel metal rivet, set in concrete.  
Elevation: 79.367 ft.
- MON. 6030: DEERFIELD TWP., CUMBERLAND CO., N.J. On the south side of Vineland Pike, about 0.27 mile east of Rosenhayn Road; flush with the ground; 17.3 ft. south of the centerline of the road; 20.0 ft. west of pole #BT-27-164; 127.44 ft. southwest of the southeast corner of a dwelling; 11.84 ft. southwest of the southwest corner of the same dwelling; and 73.45 ft. south of pole #ACE-3536. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 102.000 ft.
- MON. 6029: DEERFIELD TWP., CUMBERLAND CO., N.J. On the northwest corner of Vineland Pike and Rosenhayn Road; 0.2 ft. below the ground; 34.5 ft. west of the centerline of Rosenhayn Road; 17.4 ft. north of the centerline of Vineland Pike; 66.4 ft. southeast of the southwest corner of the main part of a dwelling and 54.10 ft. southeast of the southeast corner of the main part of same dwelling; 3.60 ft. southwest of pole #ACE-3323; and 83.3 ft. northwest of pole #BT-154; A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 106.230 ft.
- P-20: ROSENHAYN, CUMBERLAND CO., N.J. On Central Railroad at station; in door step to an entrance at south side. A standard U.S.C. & G.S. disk, stamped "P-20 1935", set in concrete.  
Elevation: 109.035 ft.
- RV. 126: RAINBOW LAKE, SALEM CO., N.J. About 1.0 mile east of Central Railroad Station at Rosenhayn, on Central Railroad at mile post #126; 45.0 ft. north of track. A raised lug on base of mile post, set by the Central Railroad Company.  
Elevation: 106.591 ft.

## NEW JERSEY

1940

## GEODETTIC CONTROL SURVEY

CUM-3 page 6

## DESCRIPTION OF BENCH MARKS

- MON. 9062: DEERFIELD TWP., CUMBERLAND CO., N.J. About 0.35 mile southwest of the Rosenhayn Station Road, and 126.0 ft. west of the garages of LoBiondo-Transportation Co.; 28 inches above the pike; about 6 inches above the surface; 18.5 ft. south of the centerline of the Vineland Pike; 24.15 ft. southwest of pole #BT-27-140; 49.45 ft. southeast of pole #ACE-3308; 134.3 ft. southeast of the southwest corner of the foundation of the house of Geo. LoBiondo; 156.75 ft. south of the southeast corner of the foundation of the same house. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 114.994 ft.
- RV. 6009: DEERFIELD TWP., CUMBERLAND CO., N.J. On the Bridgeton-Vineland Road, about 6.4 miles northeast of Pearl and Commerce Sts. in Bridgeton; 1.5 miles northeast of Garton Road; flush with the ground; 0.2 ft. above the centerline of the road; 18.35 ft. northwest of centerline of the road; 17.95 ft. southwest of pole #ACE-3300; 66.0 ft. from the southwest corner of home owned by P. Dragotta; 74.9 ft. from the southeast corner of the same house. A standard monel metal rivet, set in concrete.  
Elevation: 110.799 ft.
- MON. 9063: DEERFIELD TWP., CUMBERLAND CO., N.J. On the north side of Vineland Pike, about 0.92 mile southwest of Rosenhayn Station Road; 18.35 ft. north of the centerline of the pike; 65.8 ft. south of the southwest corner of house foundation owned by Ed. Kinnear; 111.58 ft. southeast of foundation of house owned by A. Headley; and 68.6 ft. east of pole; 88.17 ft. northwest of pole #11875. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 117.093 ft.
- RV. 6008: DEERFIELD TWP., CUMBERLAND CO., N.J. On the Bridgeton-Vineland Road, about 5.95 miles northeast of Pearl and Commerce Sts. in Bridgeton; 1.05 miles northeast of Garton Road; flush with the ground; 0.1 ft. below the centerline of the road; 19.0 ft. southeast of the centerline of the road; 11.92 ft. east of pole #BT-27-119; 84.12 ft. from the northwest corner of home owned by Anthony Dagastino; 92.7 ft. from the southeast corner of the same house. A standard monel metal rivet, set in concrete.  
Elevation: 116.437 ft.

- MON. 6028: DEERFIELD TWP., CUMBERLAND CO., N.J. On the south side of Vineland Pike, about 0.5 mile northeast of Garton Road; flush with the ground; 17.13 ft. south of the Pike; 5.30 ft. southeast of pole #BT-27-99; 48.50 ft. southwest of pole #ACE-3265; 89.15 ft. west of 3 nails in the southwest side of a white oak; and 7.86 ft. northwest of a blazed 24 inch oak. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 103.585 ft.
- MON. 6027: DEERFIELD TWP., CUMBERLAND CO., N.J. On the north side of Vineland Pike, about 0.2 mile east of Garton Road; flush with the ground; 17.3 ft. north of the centerline of the Pike; 94.16 ft. southwest of the northwest corner of the Roadside Market; 89.75 ft. southwest of the southwest corner of the same market; 87.30 ft. west of pole #ACE-3255; and 43.80 ft. northwest of pole #BT-27-88. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 100.159 ft.
- MON. 9064: DEERFIELD TWP., CUMBERLAND CO., N.J. About 190.0 ft. east of Garton Station Road, and 17.85 ft. south of centerline of Pike; about 202.0 ft. west of west corner of the Hamilton Hotel; about 3 inches below ground; 48.4 ft. northwest of the northwest corner of the office bldg. of B.T. Runce, Florist; 25.20 ft. northeast of the northwest corner of the hot house, just west of the office; 47.37 ft. northeast of pole #BT-27-80 1/2; and 36.25 ft. southeast of pole #ACE-3247. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 107.028 ft.
- MON. 6026: UPPER DEERFIELD TWP., CUMBERLAND CO., N.J. On the north side of Vineland Pike, about 4.84 miles northeast of Pearl and Commerce Sts. in Bridgeton; about 0.74 mile east of the Woodruff and M.E. Church; flush with the ground; 18.12 ft. north of the centerline of the road; 79.80 ft. east of pole #ACE-3204; 99.17 ft. southeast of the southwest corner of a carpenter shop; 91.0 ft. southeast of the southeast corner of the same shop; and 37.95 ft. northwest of pole #BT-27-270. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 103.760 ft.

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-G page 8

- MON. 6025: UPPER DEERFIELD TWP., CUMBERLAND CO., N.J. On the south side of Vineland Pike, about 4.1 miles northeast of Pearl and Commerce Sts. in Bridgeton; about 1.5 miles northeast of the Penn.-Reading Seashore R.R.; 0.1 ft. below ground; 18.35 ft. south of the centerline of the Pike; 109.70 ft. northeast of pole #BT-27-50; 39.60 ft. southeast of pole #ACE-3816; and 35.80 ft. west of pole #BT-27-51. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 103.047 ft.
- MON. 9065: DEERFIELD TWP., CUMBERLAND CO., N.J. At the east corner of the Vineland Pike, and road leading southeast to Woodruff Station; 198.0 ft. southeast of the southeast corner of the Woodruff M.E. Church; 16.80 ft. southeast of centerline of Vineland Pike; 57.8 ft. east of center of the Woodruff Station Road; 10.05 ft. northeast of pole #BT-27-41; 42.75 ft. south of pole #ACE-3-12908; and 50.23 ft. west of the northwest corner of foundation of two story house. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 102.026 ft.
- MON. 6024: DEERFIELD TWP., CUMBERLAND CO., N.J. On the north side of Vineland Pike, about 3.6 miles northeast of Pearl and Commerce Sts. in Bridgeton; about 1.0 mile northeast of the Penn.-Reading Seashore R.R. crossing; flush with the ground; 16.5 ft. north of the centerline of the Pike; 58.0 ft. east of pole #ACE-3128; 33.1 ft. southeast of the southwest corner of the gas station; 33.6 ft. southwest of the southeast corner of the same gas station; 68.25 ft. west of pole #ACE-3127; and 35.50 ft. northwest of pole #27-32. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 105.410 ft.
- MON. 6023: DEERFIELD TWP., CUMBERLAND CO., N.J. On the south side of Vineland Pike, about 3.4 miles northeast of Pearl and Commerce Sts. in Bridgeton; 0.8 mile northeast of the Penn.-Reading-Seashore R.R. crossing; flush with ground; 17.22 ft. south of the centerline of the Pike; 24.45 ft. east of pole #ACE-3114; 34.75 ft. southwest of pole #BT-27-21; 48.8 ft. northwest of the northeast corner of a frame bungalow; and 53.42 ft. northeast of the northwest corner of the same bungalow. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 102.564 ft.



## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-C page 9

- MON. 9066: DEERFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Vineland Pike, 0.20 mile northeast of Carlis Corner, about 286 ft. northeast of the northeast corner of a white house; 16.10 ft. south of the centerline of the Pike; 82.93 ft. southwest of the west end of a wooden guard fence; 56.73 ft. west of pole #B-3098; 25.26 ft. northwest of a walnut tree in the field; 29.85 ft. northeast of an apple tree in the field; and about 55.5 ft. west of fence line grown in bushes, and saplings running at right angles to the road. A standard N.J.G.C.S. disk, set in concrete. Elevation: 110.386 ft.
- MON. 9067: UPPER DEERFIELD TWP., CUMBERLAND CO., N.J. On the west side of Vineland Pike, about 0.20 mile northeast of the Penn-Reading Seashore Line tracks, at intersection of the Centerton Road and the pike; flush with the ground; 985.0 ft. northeast of centerline of the RR tracks; 27.3 ft. north of the centerline of the Vineland Pike; 124.65 ft. southwest of the southeast corner of the blacksmith shop of H.F. Brooks; 46.95 ft. north of a nail in pole #ACE-B-3089; 74.3 ft. northeast of a nail in pole #BT-3-1429; and 60.79 ft. southeast of a nail in pole #ACE-3032. A standard N.J.G.C.S. disk, set in concrete. Elevation: 107.946 ft.
- PT. 6081: (UPPER DEERFIELD TWP., CUMBERLAND COUNTY, N. J.) About 2.84 miles northeast from Pearl and Commerce Sts. in Bridgeton, and State Highway Route #46; flush with the ground; 0.3 ft. below the centerline of the highway at this point; 30.87 ft. northwest of the joint in the most westerly rail of the Penn-Reading R.R.; 58.75 ft. northeast of the face of pole #BT-3-1439; 40.02 ft. southwest of the face of pole #BT-3-148; 9.88 ft. southeast of the edge of the concrete roadway of Vineland Pike; and 19.8 ft. southeast of the road leading to Vineland. A standard monel metal rivet, set in concrete. Elevation: 100.878 ft.
- MON. 9068: BRIDGETON, CUMBERLAND CO., N.J. At the intersection of the Penn-Reading Seashore Line tracks, and the Rosenhayn Road, about 200 ft. northeast of the Salem Brass and Iron Foundry, and about 250 ft. east of Byers Pork Packing Plant; 14.50 ft. northwest of the centerline of the Rosenhayn Road; 8.0 ft. northeast of centerline of the R.R. tracks, and is 87.0 ft. southwest of centerline of the Central R.R. of N.J. tracks; 161.85 ft. southwest of south corner of the Eastern Plate Glass Window Co.; and 28.85 ft. west of pole #BT-444-BI. A standard N.J.G.C.S. disk, set in concrete. Elevation: 69.254 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-6 page 10

- MON. 9069: BRIDGETON, CUMBERLAND CO., N.J. At the right of way of the Penn-Reading Seashore Lines, 77.1 ft. southwest of centerline of Indian Ave., and 9.5 ft. east of the center of the tracks; 109.15 ft. east of the north corner of concrete loading platform of the American Can Co.; and 89.58 ft. northeast of the loading platform, (a line at right angles). A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 55.210 ft.
- MON. 9070: BRIDGETON, CUMBERLAND CO., N.J. About 195 ft. north of centerline of Irving Ave., 103.5 ft. east of centerline of Walnut St., 6.00 ft. east of centerline of spur track of the Penn-Reading Seashore Lines into Seeds and Lloyd Coal Yard; 137.25 ft. east of the southeast corner of the front foundation of #212 Walnut St.; 91.06 ft. southeast of pole #ACE-2476; 9.78 ft. southwest of prolongation of the fence line of the southeast side of Myrtle St. (to intersect a line at right angles to monument). A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 54.871 ft.
- MON. 9071: BRIDGETON, CUMBERLAND CO., N.J. On the east side of Church St., about 96.5 ft. north of centerline of Marion St. (prolonged); flush with the ground; 3.7 ft. east of east curb; 24.50 ft. east of the centerline of Church St.; 22.32 ft. southwest of the southwest corner of the porch foundation of 97 Church St.; and 17.55 ft. northwest of the northwest corner of foundation of 93 Church St. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 50.762 ft.
- MON. 9072: CITY OF BRIDGETON, CUMBERLAND CO., N.J. At the northwest corner of East Commerce St. and Church St., about 69.0 ft. north of northeast corner of the M.E. Church; flush with the ground; 14.15 ft. south of a fire hydrant on west side of Church St.; 11.08 ft. southeast of a marble corner marking northwest corner of Church St. and East Commerce St.; 52.9 ft. southeast of the west corner of concrete block wall; and 19.79 ft. north of centerline of East Commerce St. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 49.011 ft.
- G-9: BRIDGETON, CUMBERLAND CO., N.J. At the corner of East Commerce and Bank Sts., on the southwest corner of the post office. A standard disk, stamped "G-9 1930", set in concrete.  
Elevation: (11.617 meters or 38.113 ft.)

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

CUM-0 Page 11

TIE RUN: MON. 9069 TO N.J.G.S. 32.73.

- MK. 9036:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete curb at the southeast intersection of Bank and Penn Streets; 14.0 ft. southwest of the centerline of Penn Street; 3.97 ft. northwest of the west edge of sewer drain; 0.25 ft. southwest of the edge of concrete curb; 20.40 ft. north of northwest corner of American Can Co., building. A galvanized iron bolt.  
Elevation: 59.950 ft.
- DISK 9035:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. In the concrete sidewalk in front of American Can Co., office building about 200 ft. southwest of Penn Street; 15.25 ft. southeast of centerline of Bank Street; 10.10 ft. northwest of face American Can Company building; 0.85 ft. southeast of edge of concrete curb; 3.80 ft. north of pole BF 433-B-1. A standard U.S.C. & G.S. disk, set flush in the sidewalk.  
Elevation: 60.615 ft.
- MK. 9034:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the southwest intersection of Bank and Orchard Streets; in the concrete curb; 14.80 ft. northwest of the centerline of Bank Street; 0.20 ft. northwest of the edge of the concrete curb; 13.15 ft. southeast of Pole ACE 2484. A galvanized iron bolt.  
Elevation: 63.640 ft.
- MK. 9033:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the southeast intersection of Bank Street and Irving Avenue; in the concrete curb; 17.10 ft. southeast of the centerline of Bank Street; 0.20 ft. southeast of the edge of concrete curb; 20.25 ft. west of Pole ACE 2419. A galvanized iron bolt.  
Elevation: 52.087 ft.
- MK. 9032:** CITY OF BRIDGETON, CUMBERLAND COUNTY, N. J. At the northwest intersection of Bank Street and Marion Avenue; in the concrete curb; 17.6 ft. northeast of the centerline of Marion Ave; 0.25 ft. northeast of the edge of the curb; 3.1 ft. southeast of pole ACE 1769; 17.3 ft. southwest of fire hydrant. A galvanized iron bolt.  
Elevation: 48.148 ft.

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
1942

CUM-G Page 12

N.J.G.S.  
32.73:

BRIDGETON, CUMBERLAND COUNTY, N. J. At the corner of East Commerce and Bank Streets, at the entrance under the tower of the Central Methodist Episcopal Church, on the outer corner of the northerly end of the door-sill. A chiseled cross.

Elevation: 33.094 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-B page 1

DESCRIPTION OF BENCH MARKS

STARTING IN MILLVILLE, CUMBERLAND COUNTY, AT THE POST OFFICE, AND RUNNING THENCE EASTERLY TO THIRD STREET AND MULBERRY AVENUE, THENCE NORTH ALONG THIRD STREET TO ITS INTERSECTION WITH WHEATON AVENUE AND D STREET, THENCE NORTHEAST ALONG WHEATON AVENUE TO G STREET, THENCE WEST ALONG G STREET TO THIRD STREET, THENCE NORTHEASTERLY ABOUT 0.8 MILE TO H STREET, THENCE NORTHERLY TO MAIN ROAD (COUNTY ROUTE #49) AND KEMBLE AVENUE, THENCE NORTHEAST ALONG COUNTY ROUTE #49 LEAVING MILLVILLE AND CONTINUING ALONG COUNTY ROUTE # 25 TO WHEAT ROAD, LANDIS TWP., CUMBERLAND CO., THENCE SOUTHEAST ALONG WHEAT ROAD THROUGH SAID TWP. AND BUENA VISTA TWP., ATLANTIC CO., TO THE CENTRAL RAILROAD OF N.J. CROSSING WHEAT ROAD, SAME COUNTY, THENCE NORTHEAST ALONG SAID RAILROAD ABOUT ONE MILE, MINOTOLA, SAME COUNTY; AN INTERMEDIATE RUN STARTING IN LANDIS TWP., CUMBERLAND CO., AT MAIN ROAD (COUNTY ROUTE #25) AND LANDIS AVENUE, AND RUNNING THENCE WESTERLY ALONG LANDIS AVENUE TO JUNCTION OF WEST JERSEY RAILROAD AND CENTRAL RAILROAD OF N.J., VINELAND, SAME COUNTY, THENCE NORTHEAST ALONG CENTRAL RAILROAD OF N.J. ABOUT 0.6 MILE, SAME LOCALITY, THENCE NORTHERLY ABOUT 0.6 MILE TO PENNSYLVANIA RAILROAD STATION, SAME LOCALITY, THENCE NORTHERLY TO WHEAT ROAD AND WEST BOULEVARD, LANDIS TWP., SAME COUNTY, THENCE WEST ALONG WHEAT ROAD TO STATE HIGHWAY ROUTE #47, SAME TWP., THENCE SOUTHERLY ALONG STATE HIGHWAY ROUTE #47 TO CENTRAL RAILROAD OF N.J. CROSSING, VINELAND, SAME COUNTY; AND A LOOP RUN STARTING IN LANDIS TWP., CUMBERLAND CO., AT MAIN ROAD (COUNTY ROUTE #25) AND WHEAT ROAD, AND RUNNING THENCE WESTERLY ALONG WHEAT ROAD TO WEST BOULEVARD, SAME TWP.

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.

- B-9: MILLVILLE, CUMBERLAND CO., N.J. On the southeast corner of the post office building. A standard disk, stamped "B-9 1930", set in concrete.  
Elevation:(11.140 meters or 36.548 ft.)
- MON. 6086: MILLVILLE, CUMBERLAND CO., N.J. On the east side of Third St., about 0.32 mile northeast of the intersection of Routes #49 and #47 in Millville; flush with the sidewalk; on the northeast corner of Third and Mulberry Sts.; 9.30 ft. east of the curb line on Third St.; 15.62 ft. northeast of a fire hydrant; 12.36 ft. southwest of a railroad track; and 48.76 ft. southwest of the southwest corner of the St. Pauls Lutheran Church. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 40.551 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-H page 2

DESCRIPTION OF BENCH MARKS

- MON. 6087: MILLVILLE, CUMBERLAND CO., N.J. On the east side of Third St., in the triangle formed by Wheaton Ave., D and Third Sts., about 0.68 mile northeast of the intersection of Routes #49 and #47 in Millville; flush with the sidewalk; 6.09 ft. northwest of the curb on the west side of Wheaton Ave.; 13.79 ft. northeast of pole #ME-407; 10.42 ft. east of the curb on the east side of Third St. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 42.938 ft.
- RV. 3039: MILLVILLE TWP., CUMBERLAND CO., N.J. On the southeast corner of F St. and Wheaton Ave., about 0.7 miles northeast from Main and Third Sts. in Millville; 0.1 ft. below the ground; 0.3 ft. above the centerline of the road at this point; 19.16 ft. southeast of the centerline of Wheaton Ave.; 45.84 ft. south of Millville Electric Co. pole #417; 21.9 ft. southwest of centerline of F St.; and 31.4 ft. from the northeast corner of house #817 Wheaton Ave.; 44.68 ft. from the southwest corner of the same house. A standard monel metal rivet, set in concrete.  
Elevation: 46.179 ft.
- MON. 6097: MILLVILLE, CUMBERLAND CO., N.J. On the east side of Wheaton Ave., just northeast of the intersection of G St. with Wheaton Ave., about 0.94 mile northeast of the junction of Routes #49 and #47 in Millville; 0.85 ft. below the road; 7.96 ft. northwest of the concrete curb; 15.25 ft. north of pole #ME-4023; 53.2 ft. north of the centerline of G St.; and 12.08 ft. southeast of the centerline of Wheaton Ave. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 46.083 ft.
- AZ. MK.  
WHEATON: MILLVILLE, CUMBERLAND CO., N.J. On the northeast corner of Third and G Sts. in Millville; 21.0 ft. east of the centerline of Third St.; 46.5 ft. north of the centerline of G St.; 11.3 ft. north of catch basin; and 28.95 ft. northwest of a fire plug. A standard U.S.C. & G.S. Az. Mk. disk, set in concrete curb.  
Elevation: 45.891 ft.
- MK. 3090: MILLVILLE, CUMBERLAND CO., N.J. Located on the property of T.C. Wheaton & Co. in Millville; in a concrete base  
R.N.#2 -  
WHEATON: of the Municipal Water Tank on the northeast side, about 2.5 ft. above the ground. A standard U.S.C. & G.S. disk, set in concrete.  
Elevation: 50.508 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-H page 3

"WHEATON": MILLVILLE, CUMBERLAND CO., N.J. On the property of T.C. Wheaton & Co., about 6 paces north of the centerline of H St.; 225 ft. east of Municipal standpipe; 126.30 ft. from the southeast corner of Durabla Neen Studio; and 149.38 ft. from the northeast corner of the same studio. A standard U.S.C. & G.S. Triangulation Station disk, set in concrete.

Elevation: 51.534 ft.

MX. 3091: MILLVILLE, CUMBERLAND CO., N.J. Located on the property of T.C. Wheaton & Co. in Millville; 18.36 ft. northwest of the northwest corner of fence around the property owned by W. Brown; referred to the Durabla Neen Studio by the following ties: 175.85 ft. from the northeast corner of the studio; 10.0 ft. north of the centerline of the dirt road leading east to Wheaton Ave. A standard U.S.C. & G.S. disk, set in concrete.

Elevation: 47.052 ft.

MON. 3051: CITY OF MILLVILLE, CUMBERLAND CO., N.J. On Main Road to Vineland (Route #49) at Kemble Ave., about 1.35 mile north east of Third St., on the north corner, opposite the house of J. Haughey; 0.1 ft. below the ground; 21.94 ft. northwest of the centerline of Main Road; 78.0 ft. northeast of the east corner of the house of James Haughey; and 78.5 ft. west of a pole #457. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 52.067 ft.

MON. 3052: MILLVILLE, CUMBERLAND CO., N.J. On the northeast corner of Main Road and Whitaker Ave., about 1.86 miles northeast of the intersection of Routes #49 and #47 in Millville; 21.48 ft. southeast of the centerline of Main Road; 47.53 ft. east of fire hydrant; and 70.85 ft. southwest of the southwest corner and 99.88 ft. southwest of the southeast corner of the house of Lowell McKee. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 54.589 ft.

MON. 6095: LANDIS TWP., CUMBERLAND CO., N.J. on the west side of Main Road, about 2.15 miles northeast of the junction of Routes #47 and #49 in Millville; 0.2 ft. below the ground; 11.40 ft. northwest of the centerline of Main Road; 14.15 ft. southwest of pole #BVED-2443; and 30.35 ft. southeast of a 6 inch maple tree; 55.8 ft. east of the northeast corner of a house owned by Fritz Stuhl. A standard N.J. G.C.S. disk, set in concrete.

Elevation: 79.608 ft.

## GEODETTIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

- RV. 3040: LANDIS TWP., CUMBERLAND CO., N.J. On Main Road about 2.2 miles northeast from Main and Third Sts. in Millville; 0.4 miles north of Lincoln Ave.; flush with ground; 0.3 ft. above the centerline of the road; 27.32 ft. southeast of the centerline of Main Road; 46.04 ft. southeast of Millville Elec. Pole #1271; 31.7 ft. from the northwest corner of home belonging to Wm. Brannin; about 132 ft. north of Sinclair Gas Station. A standard monel metal rivet, set in concrete.  
Elevation: 64.318 ft.
- MON. 6096: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 2.6 miles northeast of the junction of Route #47 with Route #49 in Millville; 0.35 ft. below the ground; 82.36 ft. northeast of railroad; 37.65 ft. southeast of a 10 inch cedar tree in the front yard of property belonging to W.R. Shull; 16.79 ft. southeast of the centerline of Main Road; and 88.1 ft. southwest of the southwest corner of the home of W.L. Doughty. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 64.437 ft.
- MON. 9008: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 2.9 miles north of the junction of Route #47 with Route #49 in Millville; 0.1 ft. above the ground; 20.33 ft. east of the centerline of Main Road; 49.91 ft. southeast of electric pole on the southwest corner of Main Road and Sheridan Ave.; 81.46 ft. southwest of the northwest corner; and 79.23 ft. northwest of the southwest corner of the house of F.R. Anthony, opposite Woodley Farms. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 77.864 ft.
- MON. 6098: LANDIS TWP., CUMBERLAND CO., N.J. On the west side of Main Road, about 3.15 miles northeast of the intersection of Routes #47 and #49 in Millville; about 0.25 miles north east of Sheridan Ave.; 0.4 ft. below the ground; 23.85 ft. northeast of pole #VE-1281; 73.8 ft. south of pole #VE-1230; 13.16 ft. west of the centerline of Main Road; and 105.4 ft. northwest of the northwest corner of a house owned by Robert Hann. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 77.989 ft.



## GEODETIC CONTROL SURVEY

GUM-H page 5

## DESCRIPTION OF BENCH MARKS

- MON. 3055: LANDIS TWP., CUMBERLAND CO., N.J. On west side of Main Road, about 3.32 miles northeast of intersection of Main and Third Sts. in Millville; about 0.15 mile north of Butler Ave.; 0.2 ft. below ground; 0.25 ft. below the centerline of road; 15.65 ft. west of the centerline of the road; 41.52 ft. west of pole #VE-2489; 39.4 ft. north-east of a 12 inch holly tree; 103.3 ft. southeast of southeast corner of the home of Albert Keen. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 100.192 ft. DESTROYED
- MON. 12047: LANDIS TWP., CUMBERLAND CO., N.J. At the northeast corner of Main Road (Millville-Vineland Road) and Sherman Ave., 4 inches below the ground; 20.60 ft. east of the centerline of Main Road; 43.15 ft. north of the centerline of Sherman Ave.; 51.48 ft. northeast of pole #75136-LN; 39.20 ft. west of the southwest corner of American Stores building; and 45.90 ft. southwest of the northwest corner of same building. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 90.851 ft.
- MON. 6099: LANDIS TWP., CUMBERLAND CO., N.J. On the west side of Main Road, about 4.1 miles northeast of the junction of Route #47 and Route #49 in Millville; about 0.3 mile northeast of Sherman Ave.; 0.3 ft. below the ground; 12.5 ft. northwest of the centerline of Main Road; 10.6 ft. northeast of pole #75170-LN; 9.65 ft. east of a 4 inch maple tree (the tree is 3.8 ft. north of pole #75170-LN); and 101.9 ft. southwest of pole #75169-LN. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 106.639 ft.
- RV. 3042: LANDIS TWP., CUMBERLAND CO., N.J. On Main Road, about 4.2 miles northeast from the intersection of Main and Third Sts. in Millville; about 0.05 miles north of Grant Ave.; 0.1 ft. above the ground, and 0.1 ft. above the centerline of the road; 25.25 ft. east of the centerline of the road; 42.6 ft. east of Vineland Elec. pole #1172; 92.42 ft. from the northwest corner of the porch of the home of John Reuaa. A standard monel metal rivet, set in concrete.  
Elevation: 87.324 ft.

## NEW JERSEY

Cumberland County

1940

## GEODETTIC CONTROL SURVEY

CUM-E page 6

## DESCRIPTION OF BENCH MARKS

- MON. 9000: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 4.55 miles northeast of the junction of Route #47 with Route #49 in Millville, and about 0.12 mile northeast of Garry Ave.; 0.3 ft. below the ground; 53.21 ft. northeast of a 12 inch maple tree; 12.56 ft. southeast of the centerline of Main Road; 29.50 ft. southeast of pole #VE-1155; 9.85 ft. west of a 3 inch maple tree; and 56.85 ft. northwest of the southwest corner of a house of Harris Kalin. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 93.359 ft.
- MON. 9001: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 4.9 miles northeast of the junction of Route #47 and Route #49 in Millville, and about 0.2 mile northeast of Roosevelt Blvd.; 0.3 ft. below the ground; 37.50 ft. east of a 6 inch maple tree; 15.07 ft. southeast of the centerline of Main Road; 35.25 ft. southeast of electric pole; and 17.3 ft. southwest of pole #VE-2474. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 104.254 ft.
- RV. 3043: LANDIS TWP., CUMBERLAND CO., N.J. On Main Road, about 4.75 miles northeast from Main and Third Sts. in Millville; about 0.15 miles north of Roosevelt Ave.; flush with the ground, and 0.1 ft. above the centerline of the road; 24.3 ft. east of the centerline of the road; 10.45 ft. south of Vineland Elec. pole #2474; 81.95 ft. from the northwest corner of the home of Mrs. Sarah B. Wilson. A standard monel metal rivet, set in concrete.  
Elevation: 104.444 ft.
- MON. 3055: LANDIS TWP., CUMBERLAND CO., N.J. On the northwest side of Main Road (Millville-Vineland Road), about 5.2 miles northeast of the intersection of Main and Third Sts. in Millville, in front of the house of Ida M. Greenblat; 0.1 ft. below the ground; 16.6 ft. northwest of the centerline of Main Road; 33.47 ft. northeast of pole #75158-LN; and 43.9 ft. northwest of a 40 inch maple tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 96.647 ft.

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUMeH page 7

- MON. 3066: LANDIS TWP., CUMBERLAND CO., N.J. On the southeast corner of Main and Walnut Roads, about 5.68 miles northeast of the junction of Route #47 with Route #49 in Millville; 0.1 ft. below the ground; 21.43 ft. east of the centerline of Main Road; 22.37 ft. south of the centerline of Walnut Road; and 106.6 ft. east of the northeast corner of, and 156.35 ft. from the northwest corner of the house of Isaac Clark. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 84.355 ft.
- MON. 9002: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 5.9 miles northeast of the intersection of Routes #47 and #49 in Millville; about 0.2 mile northeast of the intersection of Walnut Road with Main Road; 0.3 ft. below the ground; 12.0 ft. southeast of the center line of Main Road; 12.0 ft. southwest of the property line between the ground of George W. Arbackel on the north and H. Lee Fisher on the south; and 16.3 ft. southwest of electric pole #75126-LN. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 88.642 ft.
- RV. 3044: LANDIS TWP., CUMBERLAND CO., N.J. On Main Road about 5.95 miles northeast from Main and Third Sts. in Millville about 0.1 mile north of Washington Ave.; 0.1 ft. above the ground, and 0.2 ft. above the centerline of the road; 24.9 ft. east of the centerline of the road; 56.8 ft. north of Vineland Elec. pole #1085; referred to the home of Wm. H. Iekeringle by the following ties: 61.45 ft. from the northwest corner of the home, and 71.34 ft. from the southwest corner of the house. A standard monel metal rivet, set in concrete.  
Elevation: 89.168 ft.
- MON. 9003: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 6.1 miles northeast of the intersection of Routes #47 and #49 in Millville; 0.3 ft. below the ground; on the northeast corner of Main Road and Chestnut Ave.; 14.45 ft. east of the centerline of Main Road; 9.40 ft. southwest of two way guide pole; and 35.4 ft. north of the centerline of Chestnut Ave. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 100.120 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-H page 8

- MON. 3057: LANDIS TWP., CUMBERLAND CO., N.J. On the southeast corner of its intersection with Landis Ave., on Main Road (County Route #26) leading northeast from Millville; flush with the ground; 18.88 ft. east of the centerline of Main Road; 60.33 ft. south of the centerline of Landis Ave.; and 19.02 ft. southwest of the west entrance post to the Vineland Training School for Boys. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 99.681 ft.
- MON. 3058: LANDIS TWP., CUMBERLAND CO., N.J. On the southwest corner of its intersection with Park Ave., on Main Road (County Route #26) leading northeast from Millville; flush with the ground; 44.84 ft. south of the centerline of Park Ave.; 6.5 ft. south of a pole #BT-75073-LN; and 15.9 ft. west of the centerline of Main Road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 107.089 ft.
- MON. 9004: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 7.5 miles northeast of the junction of Routes #47 and #49 in Millville, near the North Driveway to Bountiful Poultry Farms and home of James Whetsel; 0.4 ft. below the ground; 13.25 ft. east of the centerline of Main Road; 55.7 ft. southwest of electric pole #75078-LN; 14.6 ft. southwest of the centerline of north entrance to north drive; and 20.7 ft. northwest of a lamp post. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 105.674 ft.
- MON. 9005: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 7.8 miles northeast of the intersection of Routes #47 and #49 in Millville, opposite the Vineland Produce Auction Market; 0.3 ft. below the ground; 12.5 ft. east of the centerline of Main Road; 4.4 ft. northwest of electric pole; 78.1 ft. northwest of the northwest corner of concrete basket storage platform owned by the Hadsell Tractor and Farm Equipment Co.; and 45.26 ft. northwest of Rocor Gas Pump. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 112.806 ft.

## NEW JERSEY

## GEODETIK CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-H page 9

- RV. 3045: LANDIS TWP., CUMBERLAND CO., N.J. On Main Road, about 7.45 miles northeast from Main and Third Sts. in Millville; flush with the ground; 6.4 ft. below the centerline of road; about 100 ft. north of a four story chicken barn of the Dewey Meadow Poultry Farms Inc. and 20.33 ft. east of the centerline of Main Road; 22.15 ft. north of pole #BT-309-45. A standard monel metal rivet, set in concrete. Elevation: 104.346 ft.
- MON. 3089: LANDIS TWP., CUMBERLAND CO., N.J. On west side of Main Road, about 8.0 miles north of intersection of Main and Third Sts. in Millville; about 0.12 mile north of the Central R.R. of N.J. crossing at Main Road; flush with the ground; 6.5 ft. below the centerline of road; 18.1 ft. west of the centerline of highway; 42.25 ft. southwest of pole #BT-138-LN; 120.4 ft. northwest of pole #BT-135-LN; 23.9 ft. northeast of electric pole; and about 250.0 ft. south of centerline of Vine Road. (produced). A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 92.389 ft.
- MON. 12048: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 0.25 mile south of Wheat Road, and about 0.5 mile north of the Central RR of N.J. crossing at Main Road; 3 inches below the ground; 4.95 ft. northeast from a nail in a pole; 37.9 ft. northeast of pole SJ-530-L; 119.67 ft. southeast of southeast corner of bungalow owned by C. Dente; 129.55 ft. southeast of the northeast corner of the same bungalow; and 15.85 ft. southeast of the center of Main Road. A standard N.J.G.C.S. disk, set in concrete. Elevation: 95.988 ft.
- WHEAT ROAD: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Main Road, about 0.2 mile north of its intersection with Wheat Road (Hammonton-Millville Rd.); about 0.8 mile west of the Wheat Road RR Station of the N.J. Southern RR; in the rear of the farm yard of A. Comparri, on the east side of Main Road; flush with the ground; 77.6 ft. northeast of the northeast corner of a frame building. A standard monel metal rivet, set in concrete. Elevation: 115.512 ft.
- MON. 1096: LANDIS TWP., CUMBERLAND CO., N.J. On the south side of the Wheat Road, about 0.6 mile west of Wheat Road Station (N.J.S.RR) and in front of the house of Samuel Fiochi; flush with the ground; 87.9 ft. southwest of pole #BT-225-69 on the opposite side of the road; 63.7 ft. southeast of pole #BT-225-68 on the other side of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete. Elevation: 112.111 ft.

## NEW JERSEY

Atlantic County  
Cumberland County  
1940

## GEODETTIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-E page 10

MON. 1075: BUENA VISTA TWP., ATLANTIC CO., N.J. On the north side of the road from Minotola to Vineland and through Wheat Road Station, about 0.3 miles west of 1<sup>st</sup>, 350 ft. west of driveway to Floral Gardens; 17.4 ft. northwest of the centerline of the beginning of the curve; 0.2 ft. below the center of the pavement; flush with the ground; 17.4 ft. northwest of the centerline of the pavement; 56.5 ft. southwest of a pole #BT-225-82; and 91.3 ft. northeast of a pole #BT-225-81. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 119.117 ft.

MON. 1076: BUENA VISTA TWP., ATLANTIC CO., N.J. At Wheat Road Station on the road from Minotola to Vineland, just west of the Central R.R. of N.J. crossing; on the south side of the road; flush with the ground; 35.4 ft. southeast of the centerline of the pavement; 4.9 ft. southwest of a pole; 45.5 ft. southwest of a monument; 10.8 ft. west of the railroad rail; and 7.6 ft. northeast of a pole. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 114.882 ft.

RV. 117: WHEAT ROAD, ATLANTIC CO., N.J. About 1.9 miles southwest of Central Railroad Station at Landisville, on Central Railroad, at Mile Post #117; 45.0 ft. north of track. A raised lug on base of mile post.

Elevation: 116.808 ft.

RV. 116: MINOTOLA, ATLANTIC CO., N.J. About 0.9 miles southwest of Central Railroad Station at Landisville, on Central Railroad, at Mile Post #116; 45.0 ft. north of track. A raised lug on base of mile post.

Elevation: 116.791 ft.

INTERMEDIATE RUN FROM MON. 3057 TO Z-21-1936:

MK. 6015: VINELAND, CUMBERLAND CO., N.J. Bench mark is a cross cut N.J.G.S.- on east end of front of north door sill of First Baptist

118.00: Church, on south side of Landis Avenue.

Elevation: 118.559 ft.

MK. 6014: VINELAND, CUMBERLAND CO., N.J. Bench mark is a cross on N.J.G.S.- north end of stone door sill of north door on west side

108.10: of Vineland Station of West Jersey Railroad.

Elevation: 108.645 ft.

MK. 6013: VINELAND, CUMBERLAND CO., N.J. A cross on the outer corner of the southerly end of brown sandstone door sill of

108.85: entrance at the southwest corner of the New Jersey Central Railroad Station.

Elevation: 107.358 ft.

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-B page 11

- Y-21: VINELAND, CUMBERLAND CO., N.J. On Central Railroad at first crossing west of the station; in footing for electric alarm north side of track, power pole #471B. A standard U.S.C. & G.S. disk, stamped "Y-21 1935", set in concrete footing.  
Elevation: 106.194 ft.
- MK. 5098: VINELAND, CUMBERLAND CO., N.J. A cross on the outer corner at the south end of brown sandstone window sill of basement window, about 25 yards north of the center and main entrance on the east face of the Soldier's Home; a large building on the west side of the Pennsylvania Railroad, north of the station; window is the first one in the north wing from the main entrance to the building.  
Elevation: 113.015 ft.
- MON. 6042: LANDIS TWP., CUMBERLAND CO., N.J. On the southeast corner of Wheat Road and West Boulevard, about 0.9 mile east of State Highway Route #47; 0.2 ft. above the ground; 17.0 ft. east of the centerline of West Boulevard; 18.7 ft. south of the centerline of Wheat Road; 56.9 ft. south of pole #BT-250-67; 35.8 ft. west of the centerline of Penn-Reading Seashore Lines R.R. tracks. A standard U.S.C. & G.S. disk, set in concrete.  
Elevation: 82.099 ft.
- MON. 12049: LANDIS TWP., CUMBERLAND CO., N.J. On the north side of Wheat Road, about 0.25 mile west of West Boulevard; 4 in. below the ground; 120.55 ft. southwest of a nail in a 12 inch hickory tree; 119.94 ft. northwest of a nail in a 6 inch oak tree; 19.3 ft. north of the centerline of Wheat Road; and 48.49 ft. northeast of a nail in a triangle blazed 9 inch oak tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 83.044 ft.
- PT. 6090: LANDIS TWP., CUMBERLAND CO., N.J. On Wheat Road, 0.4 mile east of Route #47; flush with the road; 26.5 ft. west of the centerline of West Ave.; 33.35 ft. southwest of electric pole; 5.2 ft. south of the centerline of Wheat Road; 45.8 ft. northeast of electric pole; and 31.64 ft. northwest of wooden post between two gas valves. A standard monel metal rivet, set in concrete.  
Elevation: 94.998 ft.

## GEODESIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-N page 12

- MON. 6039: LANDIS TWP., CUMBERLAND CO., N.J. On the northwest corner of State Highway Route #47 and Wheat Road, about 1.65 miles north of the traffic circle at Vineland Pike; 0.2 ft. below the ground; 16.5 ft. north of the centerline of Wheat Road; 25.9 ft. west of the centerline of Route #47; and 194.9 ft. southeast of the southeast corner of a house belonging to L. Borge. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 96.617 ft.
- RV. 6002: LANDIS TWP., CUMBERLAND CO., N.J. On Route #47, about 1.18 miles north of traffic circle in Vineland; flush with the ground; 0.3 ft. below the centerline of the highway on the northeast corner of Route #47 and Oak Road; 22.72 ft. east of Route #47; 86.5 ft. north of the centerline of Oak Road; 8.3 ft. south of pole #BT-26-801; and 9.18 ft. north of highway route sign. A standard monel metal rivet, set in concrete.  
Elevation: 92.057 ft.
- MON. 6038: LANDIS TWP., CUMBERLAND CO., N.J. On the east side of Route #47, about 0.75 mile north of the traffic circle at Vineland Pike; flush with the ground; 22.0 ft. east of the centerline of the highway; 60.32 ft. south of pole #BT-26-619; 121.7 ft. southwest of the southwest corner, and 144.25 ft. southwest of the southeast corner of a house belonging to Clayton Humber. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 91.587 ft.
- MON. 6037: LANDIS TWP., CUMBERLAND CO., N.J. On the west side of Route #47, about 0.45 mile north of the traffic circle at Vineland Pike; flush with the ground; 18.9 ft. west of the centerline of the highway; 95.91 ft. northwest of the northwest corner of the White Sparrow Inn; 77.80 ft. northwest of pole #BVED-1237; 193.0 ft. north of the centerline of Park Ave.; 41.35 ft. southwest of pole #BT-26-633; and 79.50 ft. west of the northwest corner of the outside lunch counter belonging to the White Sparrow Inn. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 98.790 ft.
- Z-21: VINELAND, CUMBERLAND CO., N.J. On Central Railroad at crossing of 47th St. in curbing of a drain; 50.0 ft. north of the track. A standard U.S.C. & G.S. disk, stamped "Z-21 1935", set in concrete footing.  
Elevation: 86.079 ft.



NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1949

DESCRIPTION OF BENCH MARKS

CUM-H page 13

LOOP RUN FROM "WHEAT ROAD" TO MON. 6042:

- AZIMUTH MARK:** (Wheat Road 1935); WHEAT ROAD, LANDIS TWP., CUMBERLAND CO., N.J. On the north side of Wheat Road, about 0.1 mile west of its intersection with Main Road (County Routes #49 and #28, Millville-Vineland Road); and at the residence of B. Toniely; about 42 ft. north of the centerline of Wheat Road; about 15 ft. south of a 12 inch cedar tree; and about 12 ft. east of driveway of aforesaid residence; flush with the ground. A standard U.S.C. & G. S. & S.S. Azimuth Mark disk, stamped "Wheat Road-1935", set in a concrete post.  
Elevation: 108.680 ft.
- MON. 9006:** LANDIS TWP., CUMBERLAND CO., N.J. On the south side of Wheat Road, about 0.1 mile west of intersection of Main Rd. with Wheat Road; 0.3 ft. below the ground; 10.0 ft. south of the centerline of Wheat Road; 24.6 ft. southwest of pole #BT-225-49; 24.05 ft. east of electric pole; 41.72 ft. south of Az. Mark of Wheat Road Triangulation Station and opposite the house owned by B. Toniely. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 106.684 ft.
- MON. 9007:** LANDIS TWP., CUMBERLAND CO., N.J. On the south side of Wheat Road, about 0.5 miles west of the intersection of Main Road with Wheat Road; 0.3 ft. below the ground; 10.9 ft. south of the centerline of Wheat Road; 43.35 ft. southwest of pole #BT-225-33; 4 ft. north of hedge; 52.3 ft. east of electric pole; 109.6 ft. southeast of the southeast corner of front porch to house owned by Phillip Chronniner. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 98.837 ft.
- MON. 6043:** LANDIS TWP., CUMBERLAND CO., N.J. On Wheat Road, about 1.85 miles east of Route #47 opposite the junction of Valley Ave. with Wheat Road; 0.1 ft. below the ground; 11.0 ft. north of the centerline of Wheat Road; 41.0 ft. east of pole #BT-225-19; 98.9 ft. from the southwest corner, and 108.78 ft. from the southeast corner of the house of Charles Muller. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 92.849 ft.

NEW JERSEY

1940-1942

GEODETIC CONTROL SURVEY

CUM-H page 14

## DESCRIPTION OF BENCH MARKS

MON. 9009: LANDIS TWP., CUMBERLAND CO., N.J. On the southeast corner of Wheat Road and East Ave., about 1.45 miles east of Route #47; 0.1 ft. below the ground; 13.0 ft. south of the centerline of Wheat Road; 48.0 ft. east of the centerline of East Ave.; 87.0 ft. north of the northwest corner of house of M. Jordan; and 87.0 ft. northwest of the northeast corner of same house. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 91.958 ft.

MON. 6042: LANDIS TWP., CUMBERLAND CO., N.J. On Wheat Road, about 0.8 mile east of Route #47; 0.8 ft. above the ground; 17.0 ft. east of the centerline of West Boulevard; 18.7 ft. south of the centerline of Wheat Road; 56.9 ft. south of pole #BT-250-87; and 55.8 ft. west of the centerline of Penn-Reading Seashore Lines RR track. A standard N.J. G.C.S. disk, set in concrete.

Elevation: 88.099 ft.

END OF LOOP RUN:ADDITIONAL BENCH MARKS:

MON. 12090: LANDIS TWP., CUMBERLAND COUNTY, N.J. On the west side of Main Road about 0.15 mile north of Buller Avenue and about 0.35 mile south of Sherman Avenue; 1.0 ft below ground; 15.53 ft. west of belt in centerline of expansion joint of Main Road; 7.06 ft. northwest of and 7.66 ft. southwest of tree cross cut in west edge of Main Road; 39.90 ft. northeast of a 36" holly tree; 28.84 ft. south west of a nail in pole #VED #2377. A standard N.J.G.C.S. disk, set in concrete.

Elevation: 99.586 ft.

PT. 9003: BOROUGH OF VINELAND, CUMBERLAND COUNTY, N.J. In the east edge of the concrete pavement 0.20 mile south of Landis Avenue, 155.0 ft. south of the cinder drive leading to the Boys Training School; 32.12 ft. east of BT pole 226; 13.83 ft. northwest of a nail in a maple tree on east side of Main Road; 27.72 ft. southwest of a nail in a maple tree on same side of the road; 9.33 ft. east of the centerline of Main Road; 4.20 ft. southwest of an arrow cut in concrete; 2.90 ft. west of an arrow cut in concrete. A monal metal rivet.

Elevation: 104.926 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-H Page 15

- MON. 12069: LANDIS TWP., CUMBERLAND COUNTY, N. J. On the southwest corner of Main Road and Park Avenue; 0.3 ft. below ground; 21.60 ft. west of spike in centerline of Main Road; 16.86 ft. northeast of iron pipe set in concrete; 22.56 ft. southeast of iron pipe set in concrete; 42.03 ft. southwest of a spike in the centerline of Park Avenue; 4.76 ft. southwest of a nail in pole 75073. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 107.572 ft.
- PT. 9000: LANDIS TWP., CUMBERLAND COUNTY, N.J. On the south side of Almond Road; 400.0 ft east of entrance to State Feeble Minded Colored Home; 0.50 mile west of junction of Almond Road and N.J.S.H. Route #47; in a 3" iron pipe surrounded by a mass of irregular concrete; 8.2 ft. south of the centerline of Almond Road; 66.68 ft. southwest of pole BT 27-357; 40.0 ft. northwest of pole BVED 3134; 53.35 ft. southeast of pole 1324-8; 53.65 ft. northeast of pole BVED 4352; 0.3 ft. below the surface of the ground. A standard monal metal rivet.  
Elevation: 68.269 ft.
- MON. 12077: LANDIS TWP., CUMBERLAND COUNTY, N. J. On the north side of Almond Road about 0.2 mile west of Route #47; 8.2 ft. below the ground; 11.40 ft. north of a nail in the centerline of road; 89.80 ft. northeast of pole BVED 3148; 68.70 ft. east of pole BT 27-370; 86.95 ft. southeast of the southeast corner of the porch of the Charles M. Guidetti house; 30.0 ft. west of pole BT-27-371 and 51.85 ft. northwest of pole BVED 4350. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 104.155 ft.
- MON. 12078: LANDIS TWP., CUMBERLAND COUNTY, N. J. On the west side of S. R. Route #47, in the south angle of Almond Road; flush with the ground; 37.90 ft. west of the centerline of Route # 47; 58.60 ft. southeast of pole BT-27-317; 15.35 ft. south of a nail in the centerline of Almond Road; 62.90 ft. southwest of a read sign on the east side of Route #47. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 96.947 ft.

## NEW JERSEY

Cumberland County  
1942

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-H Page 16

- MON. 12079: LANDIS TWP., CUMBERLAND COUNTY, N. J. On the west side of S. H. Route 47, about 0.3 mile south of the intersection of Wheat Road and Route 47; 0.3 ft below the ground; 20.78 ft. west of a nail in the centerline of the road in line with an arrow cut on the edge of the road; 31.15 ft. northwest of the southwest corner and 19.60 ft. southwest of the northwest corner of the opposite road-alab; 37.73 ft. north of pole BVED - 1214; 78.20 ft. south of pole BVED - 1213. A standard N.J.G.C. S. disk, set in concrete.  
Elevation: 106.028 ft.
- MON. 12080: LANDIS TWP., CUMBERLAND COUNTY, N. J. On the west side of S. H. Route #47 about 0.3 mile south of the intersection of Wheat Road and Route #47; 0.2 ft. below the ground; 24.18 ft. west of the centerline of the road in line with an arrow cut in the concrete on edge of road; 55.15 ft. northwest of pole #589; 47.28 ft. northwest of the southwest corner and 14.18 ft. southwest of the north west corner of opposite pole BVED 1194. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 112.094 ft.
- PT. 9002: LANDIS TWP., CUMBERLAND COUNTY, N. J. At the intersection of Wheat Road and West Avenue, about 0.4 mile east of Route #47; 0.2 ft. below the surface of the road; 25.85 ft. southwest from a nail in the intersection of the centerlines of Wheat Road and West Avenue; 34.0 ft. northwest of the northwest corner of a 12" x 12" iron gas box on the west side of West Avenue (flush with the surface); 5.35 ft. southeast of the center of Wheat Road; 24.86 ft. southeast from a nail in a 26" maple tree; 35.92 ft. south of a nail in a pole BVED #1448. A  $\frac{1}{2}$ " bolt in a  $\frac{3}{4}$ " x 14" iron bar driven in the surface of Wheat road and surrounded by concrete.  
Elevation: 94.939 ft.

NEW JERSEY

1940

## GEODETIC CONTROL SURVEY

CUM-I page 1

## DESCRIPTION OF BENCH MARKS

STARTING IN FAIRFIELD TOWNSHIP, CUMBERLAND COUNTY, AT THE INTERSECTION OF THE CEDARVILLE-FAIRTON ROAD AND THE CEDARVILLE-TINDELL'S LANDING ROAD, AND RUNNING THENCE NORTHERLY ALONG THE CEDARVILLE-TINDELL'S LANDING ROAD TO THE FAIRTON-SEA BREEZE ROAD, SAME TOWNSHIP, THENCE WESTERLY ALONG THE FAIRTON-SEA BREEZE ROAD TO THE FAIRTON-LANING'S WHARF ROAD, THENCE IN A GENERAL NORTHWESTERLY DIRECTION ALONG THE ROAD FROM SEA BREEZE TO GREENWICH THROUGH LANING'S WHARF, SAME TOWNSHIP, TO THE MAIN STREET IN GREENWICH OPPOSITE THE ROAD TO BRIDGETON THROUGH SHEPPARDS MILL AND DUTCH NECK, GREENWICH, GREENWICH TOWNSHIP, STILL IN CUMBERLAND 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. 3086: FAIRFIELD TWP., CUMBERLAND CO., N.J. At the northwest intersection of the Cedarville-Fairton Road and the Cedarville-Tindell's Landing Road at what is known as the New England Cross Roads; 0.1 ft. below the ground; 37.0 ft. northeast of pole #BT-31753; 74.3 ft. southwest of pole #ACE-4411; 44.0 ft. southeast of the southwest corner and 38.7 ft. southeast of the southeast corner of an Atlantic Gas Station Building. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 30.171 ft.
- MON. 6021: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Cedarville-Sea Breeze Road, about 0.3 mile northwest of the New England Cross Roads; 0.1 ft. above the ground; 36.5 ft. southwest of pole #BT-3-1748; 119.65 ft. south of pole #BT-3-1747. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 31.712 ft.
- MON. 6057: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 0.85 miles northwest of the New England Cross Roads; 0.1 ft. above the ground; 51.56 ft. southeast of the southwest corner and 41.92 ft. southwest of the southeast corner of house of H.W. Schnitzer; 82.50 ft. northwest of pole #BT-3-1727. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 29.798 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-I page 2

- MON. 6058: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Fairton-Sea Breeze Road at a fork leading to Back Creek Road, about 1.1 miles northwest of the New England Cross Roads; 195.90 ft. southwest of the southwest corner; 202.0 ft. southwest of the northeast corner of house of Joseph Fithian; 13.0 ft. southeast of the centerline of the Fairton-Sea Breeze Road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 27.081 ft.
- MON. 6059: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Fairton-Sea Breeze Road, about 1.4 miles west of Fairton; 0.2 ft. above the ground; 20.3 ft. south of the Fairton-Sea Breeze Road; 93.20 ft. southeast of pole #BT-732-25; 168.35 ft. west of the northwest corner; and 167.80 ft. northwest of the southwest corner of the Herring Road School House. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.679 ft.
- MON. 6060: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Fairton-Sea Breeze Road, about 1.7 miles southwest of C.H. Livingston's store in Fairton; 0.1 ft. above the ground; 63.50 ft. southeast of pole #ACE-42-97; 61.0 ft. northeast of the northwest corner; and 37.85 ft. northeast of the northeast corner of the house of Ed. Patrick. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.419 ft.
- MON. 6061: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south of the Fairton-Sea Breeze Road, about 2.2 miles southwest of C.H. Livingston's store in Fairton; 0.1 ft. above the ground; 19.9 ft. south of the centerline of the road; 40.25 ft. south of pole #ACE-4316; 55.80 ft. northwest of the northeast corner; and 47.35 ft. northwest of the northwest corner of the house of Lewis Stiles. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.292 ft.
- MON. 6062: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 2.55 miles southwest of C.H. Livingston's store in Fairton; 0.1 ft. above the ground; 63.60 ft. northwest of pole #BT-732-70; 9.30 ft. east of pole #ACE-4331; 149.85 ft. southeast of the southwest corner, and 143.20 ft. southwest of the southeast corner of the house of J. Gergenti. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.853 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-I page 3

- MON. 6063: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 3.2 miles southwest of C.H. Livingston's store in Fairton, and just east of Fairton-Lanings Wharf Road; flush with the ground; 15.7 ft. north of the centerline of the road; 30.30 ft. northwest of pole #BT-732-93; 176.0 ft. east of the southeast corner, and 188.50 ft. southeast of the northeast corner of C.L. Wescott's house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.048 ft.
- MON. 6064: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 3.55 miles southwest of C.H. Livingston's store in Fairton; 0.5 ft. above the ground; 17.4 ft. north of the centerline of the road; 69.70 ft. northwest of the easterly one, and 58.40 ft. north of the westerly one of two biased pine trees, in an old gravel pit on the south side of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 16.425 ft.
- MON. 6065: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 4.0 miles southwest of C.H. Livingston's store in Fairton; 0.4 ft. above the ground; 15.50 ft. north of the centerline of the road; 54.0 ft. southwest of the centerline of an old woods road; 72.0 ft. northwest of a corner fence post on the south side of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 6.278 ft.
- MON. 6066: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the northwest corner of the Fairton-Sea Breeze Road and the Fairton-Lanings Wharf Road, about 4.4 miles southwest of C. H. Livingston's store in Fairton; flush with the ground; 74.0 ft. southeast of the southeast corner, and 79.10 ft. southeast of the southwest corner of George Lloyd's house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.633 ft.
- RV. 6049: FAIRFIELD TWP., CUMBERLAND CO., N.J. About 2.0 miles southeast of Lanings Wharf on the Cross Road from Lanings Wharf-Fairton Road to the Fairton-Sea Breeze Road, about 0.7 miles south of the Lanings Wharf Road; in the top step to the entrance to the Church on the north side of the road (church was formerly a school house); 1.10 ft. south of the edge of the building; 0.30 ft. west of the east edge of the building. A standard monel metal rivet, set in concrete.  
Elevation: 15.813 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-I page 4

- RV. 6046: FAIRFIELD TWP., CUMBERLAND CO., N.J. About 0.65 miles southeast of Lanings Wharf; 0.25 miles southeast of a fork in the road; about 1.70 miles northwest of the Fairton-Sea Breeze Road; on the farm belonging to S.N. Johnson; in the southeast corner of the top step at the side door entrance to the house. A standard monel metal rivet, set in concrete.  
Elevation: 14.041 ft.
- RV. 6047: LANINGS WHARF, FAIRFIELD TWP., CUMBERLAND CO., N.J. About 6.2 miles west of Fairton on the Cohansy River, on the farm belonging to J.L. Shoemaker, about 300 ft. east of the White Farm house, just southwest of the old Lanings Wharf; 2.50 ft. north of the corner of the barn; 26.0 ft. south of the centerline of the Wharf Road; 50.4 ft. southeast of pole #BT-733-54; and 230 ft. northwest of a curve to the south in the road; cemented in the north edge of a large brown colored stone at the corner of the barn. A standard monel metal rivet, set in concrete.  
Elevation: 11.046 ft.
- RV. 6053: LANINGS WHARF, FAIRFIELD TWP., CUMBERLAND CO., N.J. About 6.2 miles west of Fairton on the Cohansy River opposite the wharf, on the salt marsh belonging to J.L. Shoemaker, about 2800 ft. north of the white farm house; 18.0 ft. east of the high water mark; about 200 ft. west of old ditch now filled in with mud and reeds, directly opposite a one story frame bungalow owned by Mrs. Edna Johnson; also opposite property owned by Walter Goodwin at the southeast end of Main St. in Greenwich; can be reached by boat from the south end of Main St. or by foot from Lanings Wharf. A standard monel metal rivet, set in concrete.  
Elevation: 3.991 ft.
- RV. 6054: GREENWICH, GREENWICH TWP., CUMBERLAND CO., N.J. On the property belonging to Walter Goodwin, about 200 ft. south of the south end of Main St. in Greenwich; 16.62 ft. from the southwest corner of the small frame oil shed; 6.46 ft. from the southeast corner of the same oil shed; 64.91 ft. southeast of a 12 inch walnut tree; 73.25 ft. east of a stone monument located at the northeast corner of the board fence around the one story frame bungalow owned by Mrs. Edna Johnson. A standard monel metal rivet, set in concrete.  
Elevation: 5.173 ft.



NEW JERSEY

1940

GEODETTIC CONTROL SURVEY

CUM-I page 5

DESCRIPTION OF BENCH MARKS

MON. 2988: GREENWICH TWP., CUMBERLAND CO., N.J. On the southwesterly side of the main street in Greenwich, opposite the road leading to Bridgeton, about 7.1 miles southeast of the center of the iron bridge over Stows Creek; level with the ground; 28.70 ft. northeast of the north corner of the brick house of Charles Ewing; 48.0 ft. north of the east corner of the same house; 77.60 ft. southwest of the south corner of the stone building of W. Cuthorn. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.656 ft.

SEE BEN FROM MON. 6004 TO TIE STA. BEACH:

- MON. 12011: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of County Route #1 (Fairton to Sea Breeze Road), about 0.15 mile southeast of its intersection with road to Lanings Wharf; in a 12 inch tile pipe; 3 inches above the ground; 28.11 ft. southeast, 17.61 ft. east, and 22.34 ft. northeast of three R.R. spikes in the centerline of the road; 12.28 ft. northwest of nail in a twin gum tree on east side of road; and 47.80 ft. southeast of a nail in a 14 inch gum tree on the west side of the road. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 6.355 ft.
- MON. 12012: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of County Route #1 (Fairton to Sea Breeze Road), about 0.4 mile southeast of its intersection with road to Lanings Wharf; 3 inches below the road; 20.83 ft. southeast, 15.86 ft. east, and 19.52 ft. northeast of three R.R. spikes in centerline of road; 58.28 ft. northeast of a spike in the centerline of road and 2 ft. iron pipe culvert; 9.82 ft. northwest of a nail in a 4 inch white oak tree on east side of road; and 60.86 ft. southeast of a nail in a hickory tree on west side of road. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 5.117 ft.
- MON. 12013: FAIRFIELD TWP., CUMBERLAND CO., N.J. On east side of County Route #1 (Fairton to Sea Breeze Road), 0.7 mile south of the intersection of County Route #1 and road to Lanings Wharf, about 318 ft. northwest of centerline of County Route #1, west of sharp curve in said road; 4 inches below ground; 18.32 ft. northeast, 13.85 ft. northeast, and 19.02 ft. southeast of 3 RR spikes in the centerline of Route #1; 293.19 ft. northwest of northwest corner of old brick house owned by Jessie Smith; 91.56 ft. southwest of a wire fence around a cow pasture; 191.55 ft. southeast of southeast corner of a wooden frame building owned by Jessie Smith. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 8.604 ft.

NEW JERSEY

Cumberland County

1940

GEODETIC CONTROL SURVEY

CUM-I page 6

DESCRIPTION OF BENCH MARKS

- MON. 6067: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of a driveway in front of a red brick house built in 1781 belonging to Jessie Smith, about 5.3 miles southwest of C.H. Livingston's store in Fairton; flush with the ground; 64.0 ft. south of the southwest corner of the above mentioned house; 83.10 ft. southwest of the southeast corner of same house; 6.2 ft. north of the centerline of the driveway. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.245 ft. DESTROYED
- MON. 6068: FAIRFIELD TWP., CUMBERLAND CO., N.J. On west side of County Route #1 (Fairton to Sea Breeze Road), about 5.5 miles southwest of C.H. Livingston's store in Fairton, in the triangle formed by the main road and lane leading west to a farm house, and south of 4 mail boxes; 0.2 ft. above centerline of road; 23.0 ft. west of centerline of the road; 12.3 ft. south of centerline of the lane; 59.50 ft. east of a 12 inch blazed cedar tree; 44.50 ft. northeast of a 10 inch blazed cedar tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.630 ft.
- MON. 6069: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the east side of the Fairton-Sea Breeze Road, about 6.0 miles west of C.H. Livingston's store in Fairton; 0.2 ft. above the ground; 42.81 ft. southwest of the southwest corner of house owned by Jesse Smith; 79.70 ft. southwest of the northwest corner of the same house; 15.58 ft. northeast of the centerline of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.356 ft.
- MON. 12014: FAIRFIELD TWP., CUMBERLAND CO., N.J. On east side of County Route #1 (Fairton to Sea Breeze Road), about 1.70 miles northeast of town of Sea Breeze, and at the south corner of the junction of County Route #1, and a lane leading east to the marsh; flush with the ground; 20.19 ft. southeast, 15.72 ft. east, and 20.18 ft. northeast of 3 RR spikes in centerline of road; 33.41 ft. northeast of a RR spike in centerline of road at 18 inch culvert; 6.20 ft. south of centerline of lane; and 6.48 ft. northwest of a blazed willow tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 5.410 ft.

## NEW JERSEY

Cumberland County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-I page 7

- MON. 12015: FAIRFIELD TWP., CUMBERLAND CO., N.J. On southeast side of County Route #1 (Fairton to Sea Breeze Road), 1.40 miles northeast of town of Sea Breeze; flush with ground; 15.56 ft. southeast, 12.12 ft. southeast, and 15.95 ft. east of 3 RR spikes in centerline of road; 10.16 ft. north of a nail in a hickory tree; and 17.52 ft. southwest of a nail in a sassafras tree. A standard N.J.G.C.S. disk, set in concrete.  
Elevation: 6.120 ft.
- MON. 6071: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 6.9 miles southwest of C.H. Livingston's store in Fairton; about 0.6 miles east of a bridge crossing a large ditch; 0.2 ft. above the ground; 15.0 ft. north of the centerline of the road; 84.85 ft. east of a pin oak tree; 44.50 ft. north of the northeast corner and 58.30 ft. northeast of the northwest corner of a frame house on the south side of the road. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 4.430 ft.
- MON. 6072: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road just east of Ed's Lane and about 7.3 miles southwest of C.H. Livingston's store in Fairton; 0.2 ft. above the ground; 11.50 ft. north of the centerline of the road; 26.80 ft. northwest of an 8 inch blazed gum tree; 56.85 ft. northeast of a 16 inch blazed white oak tree. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 5.027 ft.
- RY. 9060: FAIRFIELD TWP., CUMBERLAND CO., N.J. About 0.6 mile north east of the town of Sea Breeze; in a 12 inch tile pipe; flush with the ground; 359.67 ft. east of the center of a bridge over a large ditch; 14.42 ft. south of the centerline of County Route #1; 15.65 ft. southwest of a stake in concrete; 25.93 ft. southeast of a stake in concrete; and 53.64 ft. southeast of a tel. pole. A standard monel metal rivet, set in concrete.  
Elevation: 3.067 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-I page 8

MON. 6073: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the north side of the Fairton-Sea Breeze Road, about 7.6 miles southwest of C.H. Livingston's store in Fairton; 0.1 ft. above the ground; 13.4 ft. northwest of the centerline of the road; 19.96 ft. southeast of a blazed 12 inch bay tree; 38.87 ft. southwest of a blazed 12 inch black oak tree. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 4.985 ft.

MON. 6074: FAIRFIELD TWP., CUMBERLAND CO., N.J. On the south side of the Fairton-Sea Breeze Road, 8.0 miles southwest of C.H. Livingston's store in Fairton; flush with the ground; 39.6 ft. northeast of the high water mark of Delaware Bay; 68.4 ft. north of the northeast corner of a store and bait house; 73.70 ft. west of the northwest corner, and 87.15 ft. northwest of the southwest corner of house of Anthony Medica. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.195 ft.

BEACH: SEA BREEZE, CUMBERLAND CO., N.J. On the sand ridge between Delaware Bay and the salt marshes to the east about 0.2 mile south of the fishing settlement at Sea Breeze; at the east edge of the ridge, 39.0 ft. east of the east edge of the ridge, about 225 ft. south-southwest of the Sea Breeze Rod and the Gun Club, and about 59.0 ft. east of high water mark; referred to R.M. #1 which is 160.02 ft. south of the station, and about 80 ft. east of the high water mark; and to R.M. #2 which is 90.55 ft. north of the station about 150.0 ft. southwest of the Rod and Gun Club; both reference marks being standard U.S.C. & G.S. Reference Mark disks, set in concrete, 10 inches above the ground. A standard U.S.C. & G.S. Triangulation Station disk, set in concrete 8 inches above the ground.  
Elevation: 7.244 ft.

END OF SPUR RUN:

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

CUM-J page 1

STARTING IN MILLVILLE TOWNSHIP, CUMBERLAND COUNTY, AT THE JUNCTION OF STATE HIGHWAY ROUTE #49 AND HOGBIN ROAD, AND RUNNING THENCE SOUTHERLY TO THE CEDARVILLE-MILLVILLE ROAD, CENTRE GROVE, LAWRENCE TOWNSHIP, SAME COUNTY, THENCE SOUTHWESTERLY ALONG CEDARVILLE-MILLVILLE ROAD TO THE BRIDGETON-PORT NORRIS ROAD, CEDARVILLE, SAME TOWNSHIP.

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. 3018: MILLVILLE TWP., CUMBERLAND CO., N.J. On the northeast side of Route #49, about 7.45 miles southeast of Pearl St. in Bridgeton, opposite the Hogbin Road, and 0.4 ft. below the ground; 16.46 ft. northeast of the centerline of Route #49; 11.74 ft. northwest of a pole #BT-87-299; 93.6 ft. northeast of the east corner of the Economy Store of Louis Jerell. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 81.596 ft.

RV. 3018: MILLVILLE TWP., CUMBERLAND CO., N.J. On the west side of Hogbin Road, about 0.9 miles southwest of the junction of Hogbin Road with Route #49 (Hogbin Road forms a T-intersection with Route #49), about 3.25 miles west of Maurice River and runs southwest to Centre Grove; about 50.0 ft. southwest of a stone and sand wash; 19.30 ft. northwest of the centerline of Hogbin Road; 28.60 ft. southwest of pole #BT-815-13; 37.35 ft. northwest of pole #ME-2802; in the concrete culvert over the White Marsh Branch of the Maurice River. A standard monel metal rivet, set in concrete.

Elevation: 57.819 ft.

RV. 3019: MILLVILLE TWP., CUMBERLAND CO., N.J. On the northeast corner of the intersection of Hogbin Road with Buckshtem Road, about 2.1 miles southwest of the junction of Hogbin Road forming a T-intersection with Route #49, about 3.25 miles west of Maurice River and running southwest to Centre Grove; on the southwest corner of the concrete porch on the south side of the stucco house owned by Vincent C. Estadt. A standard monel metal rivet, set in concrete.

Elevation: 89.515 ft.

## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-J page 2

- RV. 6020: LAWRENCE TWP., CUMBERLAND CO., N.J. On the east side of Hogbin Road, about 2.7 miles southwest of the junction of Hogbin Road forming a T-intersection with Route #49; about 3.25 miles west of Maurice River and running southwest to Centre Grove; 0.6 mile south of the intersection of Hogbin and Buckshutem Roads; in the top of two concrete steps to the front door of a two story house owned by C.D. Gordon; about 123.0 ft. east of the centerline of Hogbin Road. A standard monel metal rivet, set in concrete.  
Elevation: 72.688 ft.
- RV. 6021: CENTRE GROVE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the east side of Hogbin Road, about 3.6 miles southwest of the junction of Hogbin Road forming a T-intersection with Route #49, about 3.25 miles west of Maurice River and running southwest to Centre Grove; in the northwest corner of the front concrete steps to the M.E Church ( erected 1884) on the east side of the front door to the church. A standard monel metal rivet, set in concrete.  
Elevation: 77.171 ft.
- RV. 6022: LAWRENCE TWP., CUMBERLAND CO., N.J. On the north side of the Cedarville-Millville Road, about 2.0 miles southwest of Centre Grove; about 2.7 miles northeast of Cedarville Post Office in the center of town; on the north side of the road in the southeast end of the concrete approach to frame garage owned by John F. Banks. A standard monel metal rivet, set in concrete.  
Elevation: 71.025 ft.
- RV. 6023: LAWRENCE TWP., CUMBERLAND CO., N.J. At the Cedarville CCC Camp #MC-74, on the north side of the Cedarville-Millville Road, about 2.35 miles northeast of the Cedarville Post Office in the center of town; in the concrete foundation of the red brick incinerator near the south end of the camp, in the rear of the Mess Hall. A standard monel metal rivet, set in concrete.  
Elevation: 59.207 ft.
- RV. 6024: LAWRENCE TWP., CUMBERLAND CO., N.J. On the north side of the Cedarville-Millville Road, about 1.60 miles east from the Cedarville Post Office in the center of town; in the most easterly concrete step to the front door of the two story frame house occupied by L.W. Webster. A standard monel metal rivet, set in concrete.  
Elevation: 48.012 ft.

## NEW JERSEY

1940

## GEODETIC CONTROL SURVEY

CUM-J page 3

## DESCRIPTION OF BENCH MARKS

- RV. 6025: LAWRENCE TWP., CUMBERLAND CO., N.J. On the south side of the Cedarville-Milville Road, about 0.6 mile east of the Cedarville Post Office in the center of town; at the Cedarville C.R.R. of N.J. Station; northwest corner of the concrete base of the semaphore signal tower; 33.0 ft. east of the northeast corner of the station; 6.0 ft. southwest of Western Union pole #E-38; about 300 ft. south of centerline of the Cedarville-Milville Road. A standard monel metal rivet, set in concrete.  
Elevation: 35.989 ft.
- RV. 6026: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the north side of the Cedarville-Milville Road, about 0.4 mile east of the Cedarville Post Office; on the north side of the road in the southeast corner of the concrete head wall of the culvert, crossing the Cedarville-Milville Road, opposite the C.S. Stevens & Sons canning factory. A standard monel metal rivet, set in concrete.  
Elevation: 20.800 ft.
- MON. 3084: CEDARVILLE, LAWRENCE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 7.5 miles southeast of the intersection of Pearl and Commerce Sts. in Bridgeton; on the northeast side of the road, in front of the house of Frank Campbell; flush with the ground; 21.0 ft. north-east of the centerline of the Bridgeton-Port Norris Road; 45.60 ft. northeast of a pole #ACE-4870; and 74.25 ft. southeast of the north corner of the house of Mary Whitaker. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 34.053 ft.

NEW JERSEY

1940

GEODETTIC CONTROL SURVEY

CUM-K page 1

DESCRIPTION OF BENCH MARKS

STARTING IN DIVIDING CREEK, DOWNE TOWNSHIP, CUMBERLAND COUNTY, ON THE NEWPORT-PORT NORRIS ROAD AT ROAD LEADING SOUTHWESTERLY TO TURKEY POINT, SAME TOWNSHIP, THENCE SOUTHEASTERLY ALONG THE NEWPORT-PORT NORRIS ROAD TO HIGH AND MAIN STREETS, PORT NORRIS, COMMERCIAL TOWNSHIP, SAME 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 GEODETTIC SURVEY.

- MON. 3099: DIVIDING CREEK, DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Newport-Port Norris Road, about 0.35 mile northwest of the Dividing Creek bridge, near the road to Turkey Point; 0.1 ft. below ground; 20.0 ft. northeast of the centerline of the road; 4.0 ft. southeast of an 8 inch buttonwood tree; and 13.55 ft. west of the south corner of the barber shop building of Albert Garrison. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 10.684 ft.
- MON. 6000: DIVIDING CREEK, DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Newport-Port Norris Road, about 100. ft. northwest of the bridge over Dividing Creek, in front of the house of Hamil Thompson; flush with the ground; 20.0 ft. northeast of the centerline of the road; 28.7 ft. southeast of a 36 inch black walnut tree; and 25.0 ft. northwest of a pole #BT-3-2169. A standard U.S.C.& G.S.& S.S. disk, set in concrete.  
Elevation: 4.645 ft.
- RV. 3074: DOWNE TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 15.28 miles south from Pearl and Commerce Sts. in Bridgeton; about 0.43 miles southeast of Dividing Creek; 0.2 ft. below the ground; 0.4 ft. below the centerline of the road; 17.1 ft. southwest of the centerline of the road; 53.5 ft. southwest of 1 ft. red cedar tree; 77.8 ft. northwest of pole #ACE-5629; referred to the home of Phoebe Blizzard by the following ties: 97.7 ft. from the southwest corner of the house; and 115.7 ft. from the southeast corner of the house. A standard monel metal rivet, set in concrete.  
Elevation: 7.754 ft.



## NEW JERSEY

Cumberland County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

CUM-K page 2

- MON. 6001: DOWNE TWP., CUMBERLAND CO., N.J. On the southwest side of the Newport-Port Norris Road, about 1.1 miles southeast of Dividing Creek, opposite a woods; 0.3 ft. below the ground; 13.9 ft. southwest of the centerline of the road; 31.4 ft. west of a pole #ACE-5652; and 4.5 ft. northwest of a pole #BT-5-2211. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.412 ft.
- MON. 6002: DOWNE TWP., CUMBERLAND CO., N.J. On the northeast side of the Newport-Port Norris Road, about 1.5 miles southeast of Dividing Creek; flush with the ground; 16.6 ft. northeast of the centerline of the road; 46.0 ft. northwest of a pole #ACE-5672; and 64.0 ft. northeast of a pole #BT-5-2229. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.736 ft.
- MON. 6003: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the southwest side of the Newport-Port Norris Road, about 1.85 miles southeast of Dividing Creek, at the side road to Dragston; 0.35 ft. below the ground; 13.0 ft. southwest of the centerline of the road; 42.25 ft. north of a pole #BT-5-2235; and 78.30 ft. west of a pole #ACE-5689. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.378 ft.
- RV. 3076: COMMERCIAL TWP., CUMBERLAND CO., N.J. On the Bridgeton-Port Norris Road, about 17.25 miles southeast from Pearl and Commerce Sts. in Bridgeton; about 2.4 miles southeast from Dividing Creek; about 0.5 miles southeast from the forks in the road; 0.2 ft. below the ground; 0.4 ft. below the centerline of the highway; 20.29 ft. southwest of the centerline of the highway; 25.0 ft. southeast of pole #BT-2266; 35.4 ft. southwest of pole #ACE-5713; 106.6 ft. northwest of pole #BT-2267; 176.2 ft. northwest from the northwest corner of house owned by Dominick Capaldi. A standard monel metal rivet, set in concrete.  
Elevation: 9.306 ft.
- MON. 6004: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the north side of the Port Norris-Bridgeton Road, about 3.0 miles southeast of Dividing Creek, in front of the house of Fred Roane; 0.4 ft. below ground; 16.4 ft. north of the centerline of the road; 13.9 ft. southeast of a 12 inch maple tree; and 45.0 ft. southeast of the southeast corner of the house of Fred Roane. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.794 ft.

NEW JERSEY

Cumberland County

GEODETIC CONTROL SURVEY

1840

CUW-K page 3

DESCRIPTION OF BENCH MARKS

MON. 6005: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the southside of Main St., opposite Washington St., about 3.22 miles southeast of Dividing Creek, in front of the house of Howard Bradway; 0.1 ft. below the ground; 18.8 ft. south of the centerline of Main St.; 20.5 ft. north of the northeast corner of the house; and 39.60 ft. southwest of a pole #ACE-5791. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 9.307 ft.

RV. 6051: PORT NORRIS, COMMERCIAL TWP., CUMBERLAND CO., N.J. On the northeast corner of High and Main Sts. in front of the Drug Store of Samuel A.B. Cobb; 16.75 ft. northeast of the centerline of Main St.; 21.60 ft. east of the centerline of High St; 21.65 ft. southwest of the southwest corner of Cobbs store; 28.58 ft. southwest of the southeast corner of the store. A standard monel metal rivet, set in concrete.

Elevation: 11.274 ft.

NEW JERSEY

Salem County  
1941

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-L Page 1

STARTING IN UPPER PITTSBORO TOWNSHIP, SALEM COUNTY, AT THE INTERSECTION OF S.H. ROUTES 46 AND 48 AT PITTSBORO, THENCE SOUTHERLY ALONG S.H. ROUTE 46 THROUGH SHIRLEY, SAME TOWNSHIP, AND CONTINUING THROUGH DEERFIELD AND FINLEY STATION, UPPER DEERFIELD TOWNSHIP, CUMBERLAND COUNTY, TO A POINT ON SAID ROUTE 46 ABOUT 2 MILES NORTH-EAST OF ITS INTERSECTION WITH S.H. ROUTE 49, BRIDGETON, SAME COUNTY, THENCE SOUTHWESTERLY ABOUT 800 FEET TO "BRIDGETON JUNCTION", SAME 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. 10080: UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of the middle grass plot of the traffic circle at Pittsgrove, about 3.36 miles south of the Salem-Gloucester County Line, 0.40 ft. below crown of the road; 20.40 ft. southeast; 2.10 ft. southwest, and 18.66 ft. northwest of three cross cuts in the concrete curbing around the central grass plot of Pittsgrove traffic circle, and 54.58 ft. south of a nail in pole 4339. A standard NJGCS disk, set in concrete.  
Elevation: 138.098 ft.

Point 4978: UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46, about 0.25 mile south of the traffic circle at Pittsgrove, flush with the ground; 42.07 ft. west; 25.94 ft. northwest; and 51.87 ft. north of three RR spikes in the centerline joint of Route 46; 55.17 ft. southwest of a nail in telephone pole #2 on west side, and 68.93 ft. northwest of a nail in pole (no number) on the east side of Route 46. A center-punched monel rivet, set in concrete.  
Elevation: 134.930 ft.

Point 4979: UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46, about 0.54 mile south of the traffic circle at Pittsgrove, flush with the ground; 48.60 ft. southwest; 23.86 ft. west; and 43.95 ft. northwest of three RR spikes in the centerline joint of Route 46; and 46.13 ft. northwest of a nail in pole ACE-14125 on the east side of road. A center-punched monel rivet, set in concrete.  
Elevation: 123.756 ft.

## NEW JERSEY

Salem County  
1941GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

CUM-L Page 2

- Point 4980:** UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of S.H. Route 46, about 0.80 mile south of the traffic circle at Pittsgrove, flush with the ground; 54.44 ft. southeast; 23.81 ft. east; 36.06 ft. northeast of three RR spikes in the centerline joint of Route 46; and 64.57 ft. northeast of a nail in pole ACE-8654, on the east side of the road. A center-punched iron building spike, set in concrete.  
Elevation: 136.462 ft.
- Mon. 10081:** UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46; about 1.29 miles south of the traffic circle at Pittsgrove; 0.70 ft. below crown of road; 54.16 ft. west, 24.84 ft. northwest, and 38.27 ft. northwest of three RR spikes in centerline joint of road; and 77.91 ft. west of a nail in pole ACE-10168 on east side of road. A standard NJGCS disk, set in concrete.  
Elevation: 134.961 ft.
- Mon. 10082:** UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of S.H. Route 46; about 1.60 miles south of the traffic circle at Pittsgrove; 0.25 ft. below crown of road; 45.01 ft. southeast, 23.72 ft. southeast, and 47.01 ft. northeast of three RR spikes in centerline joint of road; and 69.21 ft. south of a nail in pole BT-925-57 on east side of road. A standard NJGCS disk, set in concrete.  
Elevation: 156.367 ft.
- Point 4981:** UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46 (southwest corner Route 46 and road to Daratown), about 2.04 miles south of the traffic circle at Pittsgrove, flush with the ground; 31.10 ft. southwest; 28.73 ft. west; and 61.89 ft. northwest of three RR spikes in the centerline joint of Route 46; and 7.96 ft. east of a nail in pole ACE-15329 on west side of road. A center-punched iron building spike, set in concrete.  
Elevation: 141.977 ft.
- Point 4982:** UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of S.H. Route 46, about 2.30 miles south of the traffic circle at Pittsgrove, flush with the ground; 31.98 ft. southeast; 23.65 ft. east; and 29.65 ft. northeast of three RR spikes in the centerline joint of Route 46; 41.53 ft. north of a nail in pole BT-925-35; and 46.94 ft. east of a nail in pole ACE-15321 on the west side of road. A center-punched iron building spike, set in concrete.  
Elevation: 144.685 ft.

## NEW JERSEY

Salem County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUMUL Page 3

- Mon. 10083: UPPER PITTSBORO TWP., SALEM COUNTY. In the southwest corner of the intersection of S.H. Route 46 with the Aldine-Klarer Road, about 2.62 miles south of the traffic circle at Pittsgrove, 0.45 ft. below crown of road; 55.36 ft. southwest; 23.71 ft. west, and 34.52 ft. north-west of three RR spikes in the centerline joint of the road; 14.96 ft. south of a nail in pole ACE-15312 on west side of road. A standard NJGCS disk, set in concrete.  
Elevation: 140.107 ft.
- Mon. 10084: UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46, about 2.61 miles south of the traffic circle at Pittsgrove, 0.40 ft. above crown of road; 55.63 ft. southwest, 25.43 ft. southwest, and 36.45 ft. west of three RR spikes in centerline joint of road; and 65.12 ft. southeast of a nail in pole ACE-15306, on west side of road. A standard NJGCS disk, set in concrete.  
Elevation: 138.829 ft.
- Point 4983: UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of S.H. Route 46, about 3.17 miles south of the traffic circle at Pittsgrove, flush with the ground; 70.20 ft. southeast; 40.25 ft. east; and 39.94 ft. northeast of three RR spikes in the centerline joint of Route 46; 51.04 ft. south of a nail in pole ACE-8880; and 10.24 ft. east of a nail in pole RT-925-8, both on east side of road. A center-punched iron building spike, set in concrete.  
Elevation: 139.147 ft.
- Mon. 10085: UPPER PITTSBORO TWP., SALEM COUNTY. In the southwest corner at the intersection of S.H. Route 46 and the Quinton-Malaga Road in the town of Shirley, about 3.40 miles south of the traffic circle at Pittsgrove, 0.30 ft. below crown of road; 38.50 ft. west, and 58.87 ft. northwest of two RR spikes in centerline joint of road; and 16.08 ft. northwest of a cross cut in west edge of concrete road; and 8.82 ft. northeast of a nail in pole 8862 on west side of road. A standard NJGCS disk, set in concrete.  
Elevation: 144.013 ft.

NEW JERSEY

Salem County  
Cumberland County  
1941

GEODETTIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-L Page 4

- Mon. 10086: UPPER PITTSBORO TWP., SALEM COUNTY. On the east side of S.H. Route 46, about 3.71 miles south of the traffic circle at Pittsgrove, 0.55 ft. below crown of road; 70.12 ft. southeast; 43.85 ft. northeast of two RR spikes set in the centerline joint of the road; 14.38 ft. east of a cross cut in the east edge of concrete road; and 33.08 ft. north of a nail in pole BT-928-14 on east side of road. A standard NJGCS disk, set in concrete.  
Elevation: 128.412 ft.
- Point 4984: UPPER PITTSBORO TWP., SALEM COUNTY. On the west side of S.H. Route 46, about 3.95 miles south of the traffic circle at Pittsgrove, flush with the ground; 25.71 ft. southwest; 52.34 ft. northwest of two RR spikes in the centerline joint of Route 46; 13.59 ft. west of a cross cut in the west side of the road pavement.; and 39.04 ft. south of a nail in pole ACE-15259, on west side of road. A center-punched iron building spike, set in concrete.  
Elevation: 124.318 ft.
- Mon. 3078: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46 at the county line, about 9.75 miles north of the intersection of Pearl and Commerce Streets in Bridgeton; on the east side of the road; 0.2 ft. below ground; 20.9 ft. east of the centerline of Route 46; 7.27 ft. southwest of a pole BT-928-32; and 37.93 ft. east of a county line monument. A standard USC&GS disk, set in concrete.  
Elevation: 123.628 ft.
- Mon. 3077: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46 about 9.4 miles north of the intersection of Pearl and Commerce Streets in Bridgeton; about 0.35 miles south of the county line, on the east side of the road, 0.3 ft. below ground; 18.95 ft. east of the centerline of Route 46; 93.0 ft. northeast of a pole ACE-8611; and 55.85 ft. southeast of a pole ACE-8612. A standard USC&GS disk, set in concrete.  
Elevation: 122.212 ft.
- Point 6082: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of Route 46, about 0.15 mile north of a road leading east to Palatine, about 0.5 ft. below the surface of the road; 16.43 ft. east of centerline of Route 46; 116.07 ft. southeast of southeast corner of house of Anank; 46.58 ft. south of pole BT-928-56 and 41.00 ft. northeast of pole ACE-15233 and 137.97 ft. north of pole BT-928-57. A center-punch hole in a monel metal rivet, set in concrete.  
Elevation: 131.847 ft.

GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

CUM-L Page 5

- Mon. 9085: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of the road (Route 46), about 0.35 mile north of the Palatine Road, 1.30 mile south of the County Line; 23.47 ft. east of the centerline of Route 46; 46.38 ft. southeast of the north end of concrete curb; 100.61 ft. northeast of the southeast corner of the house of Charles Davis; 70.16 ft. northeast of a nail in pole ACE-15216; 15.31 ft. north of a nail in pole ST-928-74. A standard NJGCS disk, set in concrete.  
Elevation: 136.207 ft.
- Mon. 9084: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the west side of Route 46, about 0.70 mile northwest of the Deerfield Post Office; 64.4 ft. south of the centerline of the road leading east to Palatine Mark, about 0.15 ft. above ground; 23.00 ft. west of the centerline of Route 46; 48.12 ft. southwest of a road sign; 13.38 ft. west of a rivet cemented in the concrete of Route 46; 78.68 ft. north of a nail in pole ACE-15206; 109.80 ft. southeast of the southeast corner of the porch of the house of John Nicols. A standard NJGCS disk, set in concrete.  
Elevation: 114.391 ft.
- Mon. 3076: DEERFIELD, UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.E. Route 46, about 7.6 miles north of the intersection of Pearl and Commerce Streets in Bridgeton, on the east side of the road, between a house and a feed store, and 0.1 ft. below the ground; 16.15 ft. east of the centerline of Route 46; 59.6 ft. southwest of the southwest corner of the feed store of H.S. Tice, and 85.30 ft. northwest of the northwest corner of the house of Dick Newkirk. A standard USCGS&BS disk, set in concrete.  
Elevation: 128.582 ft.
- Mon. 3075: DEERFIELD, UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.E. Route 46, about 7.25 miles north of the intersection of Pearl and Commerce Streets in Bridgeton; at the forks of the road, near the house of David B. Jaggars, and flush with the ground; 24.0 ft. west of the center of Route 46; 27.87 ft. southeast of the southeast corner of the house of D.D. Jaggars and 18.40.80 ft. southwest of pole ST-780-269. A standard USCGS&BS disk, set in concrete.  
Elevation: 113.278 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-L Page 6

- Mon. 9083: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the southwest side of Route 46, about 0.30 miles northwest of the Centerton and Husted Road, and about 0.50 mile southwest of the Deerfield Post Office, flush with the surface of ground; just northwest of the nursery farm of Kester and Company; 78.70 ft. southwest of the northwest corner of the porch of the dwelling house of the farm; 21.93 ft. southwest of the centerline of Route 46; 15.44 ft. south of a rivet cemented in the concrete paving of Route 46; 20.69 ft. northwest of a rivet cemented in the concrete paving of Route 46; and 90.64 ft. northwest of a nail in the southwest side of pole ACE-14077. A standard NJGCS disk, set in concrete.  
Elevation: 111.752 ft.
- Mon. 9082: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the northeast side of Route 46, about 0.50 mile northeast of Parsonage Branch; and about 0.25 mile southeast of the Husted-Centerton Road; about 0.30 ft. below the surface; 429.0 ft. northwest of the bungalow of Davis; 20.21 ft. northeast of the centerline of Route 46; 70.65 ft. southeast of a nail in pole BT-716- ; 23.32 ft. southwest of a copper rivet in a stake set in cement in a wire fence line; 3.76 ft. southwest of a nail in a stake set in cement in the same fence line; 11.14 ft. southeast of a rivet, and 23.73 ft. northeast of a rivet, both cemented in the concrete paving of Route 46. A standard NJGCS disk, set in concrete.  
Elevation: 115.730 ft.
- Mon. 9081: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the southwest side of Route 46; about 0.20 mile northwest of Parsonage Branch, and about 0.55 mile southeast of the Husted-Centerton Road, 0.35 ft. below the surface of the road; 202.0 ft. northwest of the northwest side of the house of H. Skinner; 116.98 ft. south of a nail in pole BT-716-36; 45.92 ft. northwest of a nail in pole BT-716-35; 17.90 ft. southwest of the centerline of Route 46; 11.03 ft. southwest of a rivet cemented in the concrete paving of Route 46; and 11.60 ft. northwest of a screw cemented in the concrete paving of Route 46. A standard NJGCS disk, set in concrete.  
Elevation: 106.746 ft.



NEW JERSEY

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-L Page 7

- Mon. 3074: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46, about 5.85 miles northeast of the intersection of Pearl and Commerce Streets in Bridgeton; on the west side of the road opposite the house of H. Hoogendoorn; 0.8 ft. below the ground; 19.7 ft. west of the centerline of Route 46; 43.6 ft. west of the face of pole BT-716-123; 77.5 ft. southwest of the southwest corner of the porch of house of H. Hoogendoorn; 82.0 ft. southwest of the northwest corner of the same porch; 2.85 ft. north of Hoogendoorn mail box; and 114.50 ft. southeast of the face of pole 716-124. A standard USC&GS&SS disk, set in concrete.  
Elevation: 92.963 ft.
- Mon. 3073: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46, about 5.5 miles northeast of the intersection of Pearl and Commerce Streets in Bridgeton, on the east side of the road, north of the house of John Vermullen, and flush with the ground; 16.45 ft. east of the centerline of Route 46; 56.0 ft. northwest of pole BT-716-108; and 41.15 ft. northwest of the northwest corner of the house of John Vermullen. A standard USC&GS&SS disk, set in concrete.  
Elevation: 111.147 ft.
- Mon. 9080: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. About 0.25 miles southeast of the main entrance to the farms of Charles Seabrook; on the southwest side of Route 46; at the north branch of Fosters Run; about 0.3 ft. below the surface; 18.82 ft. southwest of the centerline of Route 46; 78.85 ft. northwest of a nail in pole BT-716-96; 71.29 ft. southwest of a nail in pole BT-716-97; 7.53 ft. southeast of the southeast corner of the west headwall of culvert, and 39.51 ft. southwest of the southwest corner of the east headwall of culvert. A standard NJGCS disk, set in concrete.  
Elevation: 87.028 ft.
- Mon. 9079: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the southwest side of Route 46; about 0.15 mile southeast of Fosters Run; 0.60 mile northwest of Delbay Market; and 175.0 ft. southeast of the southeast side service station of John Chiari, flush with the surface; 13.96 ft. southwest of a belt cemented in a chiseled triangle; 13.29 ft. northeast of a nail in a large black oak tree; 36.56 ft. southeast of a nail in a small black oak tree; 81.19 ft. west of pole BT-ACE-716-85; 74.85 ft. southwest of pole BT-ACE-716-86. A standard NJGCS disk, set in concrete.  
Elevation: 100.550 ft.

NEW JERSEY

GEODETTIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-L Page 8

- Rv. 3056: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. Approximately 4.5 miles northeast of Pearl and Commerce Streets in Bridgeton, and 0.1 mile north of Del-Bay Roadside Market; 0.2 ft. below the surface of the ground, and 0.6 ft. below the centerline of the highway at this point; about 350.0 ft. southeast of the railroad crossing; 15.81 ft. northwest of pole BT-16-64; 21.65 ft. northeast of the centerline of the highway; and 107.53 ft. southeast of pole BT-716-65. A monel rivet set in concrete.  
Elevation: 97.185 ft.
- Mon. 9078: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 46, about 500 ft. northwest of Del-Bay Market, and about 602 ft. southeast of the centerline of the spur tracks of the Pennsylvania-Reading Seashore Line crossing at Route 46; about 0.2 ft. below ground; 20.74 ft. east of the centerline of the road; 81.12 ft. northwest of pole BT-716-62; 30.24 ft. south of pole BT-716-63; 16.21 ft. southeast of a bolt, and 11.81 ft. northeast of a wood screw, both cemented in east edge of concrete pavement of road. A standard NJGCS disk, set in concrete.  
Elevation: 99.417 ft.
- Mon. 9077: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 46, about 0.55 mile northwest of Finley Station Road; and about 0.15 mile southwest of Del-Bay Market; 0.3 ft. below ground; 17.28 ft. west of the centerline of road; 42.52 ft. southwest of a nail in pole BT-716-56; 9.11 ft. northwest of, and 9.51 ft. southwest of two bolts, both cemented in the west edge of concrete road. A standard NJGCS disk, set in concrete.  
Elevation: 105.129 ft.
- Mon. 3072: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46, about 4.04 miles northeast of the intersection of Pearl and Commerce Streets in Bridgeton; on the east side of the road, at the north end of a guard fence, flush with the ground; 21.29 ft. east of the centerline of Route 46; 5.4 ft. southwest of pole BT-716-51; and 44.3 ft. north of the north end post of the guard fence. A standard USCGS&BS disk, set in concrete.  
Elevation: 91.891 ft.

NEW JERSEY

Cumberland County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-L Page 9

- Mon. 3071: FINLEY, UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On S.H. Route 46, about 3.75 miles northeast of the intersection of Pearl and Commerce Streets in Bridgeton; on the north-east corner of the crossroad to Vineland, and is set flush with the ground; 22.92 ft. east of the centerline of Route 46; 21.5 ft. north of the centerline of the side road to Vineland; and 5.68 ft. northwest of a pole ET-716-41. A standard USC&GS&SS disk, set in concrete.  
Elevation: 103.846 ft.
- Mon. 9076: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the west side of S.R. Route 46, about 0.30 mile southwest of Finley Station Road, and about 391.7 ft. south of south side of the house owned by Charles Seabrook; about 0.25 ft. below the ground; 21.37 ft. west of the centerline of road; 72.77 ft. north of a "ROAD CAUTION" sign; 98.01 ft. northwest of a nail in pole BT-716-29; 61.17 ft. southwest of a nail in pole BT-716-30; 14.13 ft. southwest of a bolt, and 15.02 ft. northwest of a wood screw, both cemented in west edge of concrete pavement. A standard NJGCS disk, set in concrete.  
Elevation: 115.801 ft.
- Mon. 9075: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 46, about 0.55 mile northwest of Carll's Corner (intersection of S.H. Route 46 and Vineland Pike), about 0.65 mile southeast of the Finley Station Road, flush with ground; 115.35 ft. south of the south side of the house of P.A. Seeds; 13.56 ft. northwest of a nail in the northeast side of pole BT-716-14; 20.65 ft. east of the centerline of Route 46; 12.55 ft. southeast of, and 13.79 ft. northeast of two rivets in east edge of concrete. A standard NJGCS disk, set in concrete.  
Elevation: 94.056 ft.
- Mon. 9074: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of Route 46; about 0.3 mile northwest of Carll's Corner (junction of Route 46 and Vineland Pike) flush with the ground; 21.85 ft. southwest of the westerly rail of the Pennsylvania-Reading Seashore Lines; 22.92 ft. southeast of a crossroad sign; 105.7 ft. northeast of a nail in the east side of pole ACE-8254; 34.68 ft. east of the centerline of Route 46; and 91.27 ft. southeast of the southeast corner of the house owned by N. J. Husted. A standard NJGCS disk, set in concrete.  
Elevation: 105.742 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

CUM-L Page 10

- Point 6081: UPPER DEERFIELD TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 46 near its junction with Vineland Pike; 150 ft. northeast of Clark's store; 20.37 ft. northwest of the westerly rail of the tracks of the Pennsylvania-Reading Seashore Line; 9.88 ft. southeast of the concrete paving of Vineland Pike; 40.02 ft. southwest of a nail in pole BT-3-1438; and 58.75 ft. northeast of pole BT-3-1439. A centerpunch hole in a monel rivet, set in concrete.  
Elevation: 100.878 ft.
- Mon. 3070: CITY OF BRIDGETON, CUMBERLAND COUNTY. On S.H. Route 46 about 2.03 miles northeast of its intersection with S.H. Route 49; on the southeast side of the road, opposite the house of Giacomo Gentile, and 0.2 ft. below the crown of the road; 25.7 ft. southeast of the centerline of the road; 37.8 ft. southwest of pole BT-3-1458; and 81.7 ft. southeast of the south corner of the house of Giacomo Gentile. A standard USC&GS SS disk, set in concrete.  
Elevation: 91.580 ft.
- Rivet 131: BRIDGETON JUNCTION, CUMBERLAND COUNTY. About 2.4 miles northeast of Court House at Bridgeton, on Central Railroad, at M.P. 131, 45 ft. north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 85.466 ft.

## NEW JERSEY

Cumberland County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-M Page 1

STARTING IN LANDIS TOWNSHIP, CUMBERLAND COUNTY, AT THE INTERSECTION OF S. H. ROUTE 47 AND WHEAT ROAD, THENCE NORTHERLY ALONG ROUTE 47 THROUGH SAID TOWNSHIP AND CONTINUING THROUGH FRANKLINVILLE, GLOUCESTER COUNTY TO S. H. ROUTE 48 AND MAIN STREET, MALAGA FRANKLIN TOWNSHIP, SAME 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. 6039: LANDIS TWP., CUMBERLAND COUNTY. On the northwest corner of S.H. Route 47 and Wheat Road, about 1.65 miles north of the traffic circle at Vineland Pike; 0.2 ft. below ground; 16.5 ft. north of the centerline of Wheat Road; 25.9 ft. west of the centerline of S.H. Route 47; and 194.8 ft. southeast of the southeast corner of a house belonging to L. Borge. A standard USC&GS&SS disk, set in concrete.  
Elevation: 96.617 ft.
- Mon. 6040: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 1.8 miles north of the traffic circle at Vineland Pike; 20.15 ft. east of the centerline of the highway; 4.40 ft. southwest of pole BT-26-566; and 186.0 ft. southeast of the southeast corner of a house belonging to E.E. Hubbard. A standard USC&GS&SS disk, set in concrete.  
Elevation: 80.987 ft.
- Mon. 12081: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 0.5 mile north of the intersection of Route 47, and Wheat Road; flush with the ground; 30.23 ft. east of a nail in the centerline of the road, in line with an arrow cut in the concrete on edge of road; 20.95 ft. southeast of the northeast corner and 46.77 ft. northeast of the southeast corner of opposite road slab; 52.75 ft. north of pole BT-556; and 108.65 ft. southeast of the southeast corner of the east bridge wall. A standard NJGCS disk, set in concrete.  
Elevation: 77.991 ft.
- Rv. 6001: LANDIS TWP., CUMBERLAND COUNTY. Approximately 2.1 miles north of traffic circle in Vineland on Route 47; in the northeast wing wall of the highway bridge over Black Water Bridge of Maurice River on the east side of the road. A monel metal rivet.  
Elevation: 78.207 ft.

NEW JERSEY

Cumberland County  
1941

GEODETTIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-M Page 2

- Mon. 12082: LANDIS TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 47, about 0.7 mile north of the intersection of Route 47 and Wheat Road, and 0.15 mile north of the Black Water Branch (Creek); 0.6 ft. below the ground; 16.52 ft. west of a nail in the centerline of the road in line with an arrow cut in the edge of the concrete; 24.30 ft. northwest of the southwest corner, and 25.42 ft. southwest of the northwest corner of road slab 931; 70.34 ft. southwest of pole 549, and 39.28 ft. southeast of pole SJ-65-L. A standard NJGCS disk, set in concrete.  
Elevation: 80.052 ft.
- Mon. 12083: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 0.4 mile north of the Black Water Branch (Creek); flush with the ground; 23.15 ft. east of a nail in the centerline of the road, in line with an arrow cut in the edge of the concrete; 39.40 ft. southeast of the northeast corner, and 16.45 ft. northeast of the southeast corner of opposite road slab; 52.85 ft. northeast of a pole; and 37.00 ft. south of a pole. A standard NJGCS disk, set in concrete.  
Elevation: 99.176 ft.
- Mon. 12084: LANDIS TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 47, about 0.7 mile north of the Black Water Branch (Creek); flush with the ground; 31.74 ft. west of a nail in the centerline of the road, in line with an arrow cut on the edge of the concrete; 37.95 ft. southwest of the northwest corner, and 27.12 ft. northwest of the southwest corner of a road slab 869; 82.34 ft. northwest of pole SJ-79-L; and 65.94 ft. southwest of pole BT-ET-AT-26-525. A standard NJGCS disk, set in concrete.  
Elevation: 82.010 ft.
- RV. 6000: LANDIS TWP., CUMBERLAND COUNTY. Approximately 2.95 miles north of traffic circle in Vineland; on the west side of S.H. Route 47, in the curb of bridge over Burnt Mill Branch of the Maurice River, about 5.5 ft. from the north end of the bridge. A monel metal rivet.  
Elevation: 80.044 ft.

NEW JERSEY

Cumberland County  
1941

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

CUM-M Page 3

- Mon. 6047: LANDIS TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 47, just north of the centerline of Arbor Avenue, produced, flush with the ground; 21.8 ft. west of the centerline of the highway; 71.87 ft. northwest of pole BT-26-514; and 7.13 ft. northeast of a sign post. A standard USC&GS&SS disk, set in concrete.  
Elevation: 89.920 ft.
- Mon. 6048: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 0.3 mile north of Arbor Avenue, flush with the ground; 21.4 ft. east of the centerline of the highway; 30.64 ft. south of pole BT-26-499; 46.7 ft. southwest of the southwest corner and 66.2 ft. southwest of the southeast corner of a house belonging to Oscar Dea. A standard USC&GS&SS disk, set in concrete.  
Elevation: 95.532 ft.
- Mon. 6049: LANDIS TWP., CUMBERLAND COUNTY. On the southwest corner of S.H. Route 47, and Weymouth Road, flush with the ground; 25.4 ft. southwest of the centerline of Weymouth Road; 22.22 ft. west of the centerline of Route 47; 5.40 ft. southeast of a pole; and 123.0 ft. southeast of the southeast corner of Gould's store and gas station. A standard USC&GS&SS disk, set in concrete.  
Elevation: 95.472 ft.
- Mon. 6050: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 0.3 miles north of Weymouth Road, and flush with the ground; 21.15 ft. east of the centerline of the highway; 72.42 ft. northwest of the northwest corner and 100.0 ft. northwest of the northeast corner of a house belonging to Harry Garrison, and 3.75 ft. southwest of pole BT-26-466. A standard USC&GS&SS disk, set in concrete.  
Elevation: 105.330 ft.
- Mon. 12085: LANDIS TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 47, about 1.3 miles south of Malaga, at the Malaga Camp grounds, and just south of Newfield Road; 0.9 ft. below the ground; 21.75 ft. west of a nail in the centerline of road; 16.90 ft. southwest of the northwest corner of road slab; 37.10 ft. northwest of the southwest corner of road slab; 10.35 ft. north of a road sign; and 4.65 ft. southeast of pole BJ-127-L. A standard NJGCS disk, set in concrete.  
Elevation: 115.013 ft.

## NEW JERSEY

Cumberland County  
Gloucester County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

CUM-M Page 4

- Mon. 6051: LANDIS TWP., CUMBERLAND COUNTY. On the east side of S.H. Route 47, about 1.1 miles south of Malaga; flush with the ground; 21.50 ft. east of the centerline of road; 16.80 ft. south of pole BT-446; 91.00 ft. southwest of the northeast corner, and 88.50 ft. northwest of the southwest corner of the house of J.J. Beva. A standard USC&GS&SS disk, set in concrete.  
Elevation: 95.261 ft.
- Mon. 6052: LANDIS TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 47, about 0.55 mile north of West Jersey Grove Association; flush with the ground; 21.52 ft. west of the centerline of the highway; 41.55 ft. east of the southeast corner and 45.06 ft. southeast of the northeast corner of porch on house belonging to G.G. Beva. A standard USC&GS&SS disk, set in concrete.  
Elevation: 103.312 ft.
- Mon. 12086: FRANKLINVILLE, GLOUCESTER COUNTY. On the west side of S.H. Route 47, about 0.5 mile south of Malaga; 0.2 ft. below the ground; 26.90 ft. west of a nail in the centerline of the road, in line with an arrow cut in the concrete on edge of road; 31.30 ft. northwest of the southwest corner, and 27.15 ft. southwest of the northwest corner of the opposite road slab; 60.75 ft. north of the Gloucester and Cumberland County sign; 15.33 ft. southwest of pole 854; and 55.63 ft. southwest of pole BT-26-425. A standard NJGCS disk, set in concrete.  
Elevation: 111.943 ft.
- Mon. 6053: FRANKLINVILLE, GLOUCESTER COUNTY. On the west side of S.H. Route 47, about 0.4 mile south of Malaga; 20.86 ft. west of the centerline of the road; 3.65 ft. northeast of pole ACE-9839; and 45.01 ft. southwest of pole BT-26-415. A standard USC&GS&SS disk, set in concrete.  
Elevation: 87.200 ft.
- Mon. 6054: MALAGA, FRANKLIN TWP., GLOUCESTER COUNTY. On the southeast corner of Main St. & State Route 48 in Malaga; 2.25 ft. southeast, and 12.04 ft. southwest of two crosses in the curb on the southeast corner of Main Street & State Route 48; 18.80 ft. north and 22.94 ft. southeast of two RR spikes in paving joints on the easterly side of the paving of Main St. A standard USC&GS&SS disk, set in concrete.  
Elevation: 92.750 ft.



## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

BAL-A Page 1

STARTING IN BRIDGETON, CUMBERLAND COUNTY, AT EAST COMMERCE (ROUTE 49) AND BANK STREETS, AND RUNNING THENCE WESTERLY ALONG EAST COMMERCE STREET TO FAYETTE STREET, THENCE SOUTHERLY ALONG FAYETTE STREET TO BROAD STREET (ROUTE 49), THENCE NORTHWESTERLY ALONG ROUTE 49 THROUGH HOPEWELL TOWNSHIP, SHILOH, STOWE CREEK TOWNSHIP AND MARLBORO, CUMBERLAND COUNTY, QUINTON TOWNSHIP, PECKS CORNER AND QUINTON, SALEM COUNTY, TO BROADWAY, SALEM, SAME COUNTY, THENCE NORTHWESTERLY ALONG BROADWAY TO SEVENTH STREET, THENCE TO THE HIGH SCHOOL, SAME LOCALITY; AND AN INTERMEDIATE RUN STARTING IN SALEM, SALEM COUNTY, AT BROADWAY AND NINTH STREET, AND RUNNING THENCE NORTHERLY ALONG NINTH STREET TO GRANT STREET, THENCE WESTERLY ALONG GRANT STREET TO MARKET STREET, THENCE ALONG MARKET STREET TO GRIFFITH STREET, THENCE WESTERLY ALONG GRIFFITH STREET TO SALEM CREEK, 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.

- G 9: BRIDGETON, CUMBERLAND COUNTY. At the corner of East Commerce and Bank Streets, on the southwest corner of the post office. A standard disk, stamped "G 9 1930", and set in concrete.  
Elevation: 38.113 ft.
- Mk. 3085:  
NJGS 10.54 BRIDGETON, CUMBERLAND COUNTY. On the west end of window sill of the most westerly window on the southerly face of the pumping station of the Bridgeton Water Works in the park, just north of Commerce Street. A cross.  
Elevation: 10.741 ft.
- H 9: BRIDGETON, CUMBERLAND COUNTY. On the northwest corner of the Cumberland County Court House. A standard disk, stamped "H 9 1930", and set vertically.  
Elevation: 47.277 ft.
- Mon. 3007: BRIDGETON, CUMBERLAND COUNTY. On S.H. Route 49 about 0.25 mile northwest of its intersection with Atlantic Street; on the east corner of a driveway on the south corner of property 149 Broad Street, flush with the curb; 72.15 ft. south of the south corner of house 149 Broad Street; 7.98 ft. southwest of a 24 inch linden tree; and 41.78 ft. northwest of pole 7152-11. A standard USCGS&SS disk, set in concrete.  
Elevation: 55.502 ft.
- J 9: BRIDGETON, CUMBERLAND COUNTY. On the southeast corner of the Bridgeton High School. A standard disk, stamped "J 9 1930", and set vertically in the brick wall.  
Elevation: 80.515 ft.

NEW JERSEY

Cumberland County  
1941GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 2

- Mon. 3006: BRIDGETON, CUMBERLAND COUNTY. On the west corner of Broad Street (S.H. Route 49) and West Avenue, between the curb and the sidewalk, 0.3 ft. below the ground and about 0.55 mile northwest of the intersection of Broad Street and Atlantic Street in Bridgeton; 75.06 ft. west of the fire hydrant on the east corner of Broad Street and West Avenue; 16.89 ft. southwest of the centerline of Broad Street; 77.76 ft. southeast of pole ACE-572; 40 ft. northwest of the centerline of West Avenue; and 25.3 ft. north of pole ACE-573. A standard USC&GS disk, set in concrete.  
Elevation: 76.928 ft.
- Mon. 12018: HOPEWELL TWP., CUMBERLAND COUNTY. On the northeast side of S.H. Route 49, about 0.2 mile northwest of railroad crossing Route 49, (Branch to Greenwich); 6 inches below ground; 10.15 ft. northwest of pole ACE-553; 72.98 ft. northwest of pole BT-32-57; 78.92 ft. northeast of northwest corner of frame house of Charles Boen; and 14.38 ft. northeast of centerline of Route 49. A standard NJGCS disk, set in concrete.  
Elevation: 65.840 ft.
- Mon. 12020: HOPEWELL TWP., CUMBERLAND COUNTY. On the southwest side of S.H. Route 49, about 0.55 mile northwest of railroad crossing Route 49, (Branch to Greenwich) and about 1.53 miles southeast of Barrets Run; 8 inches below ground; 25.93 ft. southwest of the centerline of Route 49; 73.43 ft. northeast of a 36 inch maple; 41.04 ft. southeast of an electric pole (not numbered); 4.13 ft. southeast of pole 74; 78.48 ft. south of, and 36.65 ft. southwest of two nails in the centerline of the road; and 3.61 ft. southwest of Rivet 3004. A standard NJGCS disk, set in concrete.  
Elevation: 85.802 ft. DESTROYED
- Mon. 12019: HOPEWELL TWP., CUMBERLAND COUNTY. On the northeast side of S.H. Route 49, about 0.85 mile northwest of railway crossing (Branch to Greenwich) and about 0.20 mile southeast of Sunset Road; 8 inches below the ground; 23.20 ft. northeast of a nail in the centerline of Route 49; 64.15 ft. northeast of pole BT-32-57; 18.30 ft. southeast of west corner of a two story frame house of Albert Getzinger; 18.45 ft. southwest of the south corner of same house; 76.94 ft. northwest of pole ACE-517. A standard NJGCS disk, set in concrete.  
Elevation: 96.581 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

BAL-A Page 3

- Mon. 12021: HOPEWELL TWP., CUMBERLAND COUNTY. On the southwest side of S.H. Route 49, about 0.50 mile southeast of Barretts Run, and about 300 ft. northwest of Sunset Road; 8 inches below ground; 21.75 ft. southwest of the centerline of Route 49; 37.07 ft. northwest of pole BT-32-99; 66.14 ft. southeast of pole BT-32-100; 54.72 ft. south of pole ACE-503; 45.18 ft. south of, and 64.16 ft. west of two nails in the centerline of the road. A standard NJGCS disk, set in concrete.  
Elevation: 85.505 ft.
- K 9: SHILOH, CUMBERLAND COUNTY. About 1.5 miles southeast of Shiloh, in the northeast end of the bridge over Barretts Run. A standard disk, stamped "K 9 1930", and set vertically in the concrete wall.  
Elevation: 58.389 ft.
- Mon. 3005: HOPEWELL TWP., CUMBERLAND COUNTY. On S.H. Route 49, about 2.35 miles northwest of Broad and Atlantic Sts. in Bridgeton; on the southwest side of the road, near the house of Joseph T. Carman, and level with the curb; 16.2 ft. southwest of the centerline of Route 49; 1.23 ft. southwest of the outside of the curb; and 10 ft. northeast of a 36 inch stump. A standard USC&GS&SS disk, set in concrete.  
Elevation: 60.117 ft.
- Mon. 3004: HOPEWELL TWP., CUMBERLAND COUNTY. On the northeast side of S.H. Route 49, about 2.65 miles northwest of Broad and Atlantic Streets in Bridgeton; 0.1 ft. below the ground; 24.70 ft. northeast of the centerline of the road; 46.9 ft. northwest of pole ACE-417; 64.95 ft. northeast of pole BT-32-139. A standard USC&GS&SS disk, set in concrete.  
Elevation: 86.491 ft.
- Magnetic Station Fernwood: HOPEWELL TWP., CUMBERLAND COUNTY. On the northeast side of S.H. Route 49, in the west angle of the main entrance to Fernwood Cemetery, about 0.9 mile southeast of Shiloh; 0.50 ft. below ground; 43 ft. northwest of the centerline of entrance to the cemetery; 32.90 ft. northeast of the centerline of Route 49; 44.04 ft. east of pole ACE-428; 18.40 ft. northwest of the point of curve of the concrete curb; and 22.58 ft. southwest of the point of tangent of the same concrete curb.  
Elevation: 93.713 ft.

## NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 4

- Men. 12022: HOPEWELL TWP., CUMBERLAND COUNTY. On the southwest side of S.H. Route 49; 0.3 mile northwest of Fernwood Cemetery; and 0.6 mile southeast of Shiloh; 1.33 ft. below the ground; 22.53 ft. southwest of the centerline of Route 49; 72.91 ft. southwest of an apple tree; 36.80 ft. northwest of pole BT-32-169; 83.74 ft. southeast of pole BT-32-170; and 81.88 ft. southwest of the west corner of the foundation of an old house. A standard NJGCS disk, set in concrete.  
Elevation: 95.982 ft.
- Men. 12023: HOPEWELL TWP., CUMBERLAND COUNTY. On the northeast side of S.H. Route 49; about 0.35 mile southeast of Shiloh, and 275 ft. northwest of the intersection of a cross road with Route 49; 1.2 ft. below the ground; 27.90 ft. northwest of pole ACE-7544; 76.61 ft. north of the east corner of a two story frame house owned by Goren and McCormick; 81.16 ft. northeast of the north corner of the same house; 21.61 ft. northeast of the centerline of Route 49; and 77.70 ft. northeast of pole ACE-32-183. A standard NJGCS disk, set in concrete.  
Elevation: 99.206 ft.
- L 9: SHILOH, CUMBERLAND COUNTY. In the northeast face of the Shiloh Public School, 10 ft. southeast of the north corner of the building, and 3 ft. above the ground. A standard disk, stamped "L 9 1930", and set vertically in the brick wall.  
Elevation: 117.559 ft.
- Rv. 6069: BORO OF SHILOH, STOWE CREEK TWP., CUMBERLAND COUNTY. On the southwest side of S.H. Route 49; 126 ft. northwest of north corner of Shiloh Public School; 4 inches below the surface; 26.65 ft. southwest of the centerline of Route 49; 20.30 ft. west of pole BT-32-193, and 59.48 ft. south of pole ACE-9830. A monel metal rivet, set in a concrete post.  
Elevation: 113.918 ft.
- Point 6094: BORO OF SHILOH, STOWE CREEK TWP., CUMBERLAND COUNTY. At the intersection of the centerline tangents of Route 49 where Route 49 curves to the southeast on South Main Street, Shiloh; flush with pavement; 48 ft. northwest of pole ACE-768; 28.44 ft. southeast of pole ACE-8016; and 30.69 ft. northwest of the center of Bell Telephone manhole cover. A center-punch hole in a 1 inch iron bolt established by the N.J. State Highway Department.  
Elevation: 116.969 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

BAL-A Page 5

- RV. 6036: SHILOH, HOPEWELL TWP., CUMBERLAND COUNTY. At the north intersection of Route 49 and the street leading east to the Seventh Day Baptist Church, about 0.20 miles northwest of the Shiloh Public School House; in the south end of the concrete step of the grocery store of S. V. Davis; 13.50 ft. south of the entrance of the Davis store; 1.35 ft. north of the southwest corner of the store; 0.27 ft. west of the edge of the store. A standard monel metal rivet, set in concrete.  
Elevation: 117.955 ft.
- RV. 6062: BORO OF SHILOH, STOWE CREEK TWP., CUMBERLAND COUNTY. On the west side of S.H. Route 49, about 0.50 mile north of junction of East Avenue and Route 49 in Shiloh; 6 inches below the surface; 78 ft. south of center of Mill Road; 21.25 ft. west of the center of Route 49; 56.08 ft. north of pole ACE-8034; and 59.26 ft. southwest of pole BT-32-221. A monel metal rivet, set in concrete.  
Elevation: 125.894 ft.
- Mon. 3003: HOPEWELL TWP., CUMBERLAND COUNTY. On S.H. Route 49, about 4.85 miles northwest of Broad and Atlantic Streets in Bridgeton; at the curve in the road, near the house of George H. More, and 0.2 ft. below ground; 39.75 ft. southeast of the centerline of Route 49; 3.6 ft. north of a pole BT-32-2344; and 36.92 ft. west of a 36 inch maple tree. A standard USC&GS disk, set in concrete.  
Elevation: 113.775 ft.
- Mon. 3002: STOWE CREEK TWP., CUMBERLAND COUNTY. On the east corner of a road to Cohansey and Route 49, about 5.15 miles northwest of Atlantic and Broad Streets in Bridgeton, opposite the house of Alfred Halter; 0.3 ft. below ground; 20.8 ft. northeast of the centerline of Route 49; 75.9 ft. southeast of a pole BT-32-248; and 49.62 ft. northwest of a pole BT-32-247. A standard USC&GS disk, set in concrete.  
Elevation: 115.898 ft.
- Mon. 12024: STOWE CREEK TWP., CUMBERLAND COUNTY. On the southwest side of S.H. Route 49, about 0.95 mile southeast of Sarah's Run and about 1.70 miles northwest of Shiloh; 1.0 ft. below ground; 21.0 ft. southwest of centerline of Route 49; 47.46 ft. southwest of pole BT-32-269; 49.26 ft. northwest of pole ACE-13161; 12.35 ft. northeast of a fence post; and 18.28 ft. southeast of an 18 inch pear tree. A standard NJGCS disk, set in concrete.  
Elevation: 104.406 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 6

- RV 6063: STOWE CREEK TWP., CUMBERLAND COUNTY. About 0.6 mile southeast of Sarah's Run (County Line) and about 0.25 mile southeast of intersection of Jericho Road and Route 49; on the northeast side of Route 49, and about 4 inches below surface; 19.18 ft. northeast of center of Route 49; 87.95 ft. east of a 30 inch walnut tree; 22.81 ft. southeast of pole BT-32-286; and 97.28 ft. northwest of pole BT-32-285. A monel metal rivet, set in concrete.  
Elevation: 115.771 ft.
- Mon. 3001: MARLBORO, STOWE CREEK TWP., CUMBERLAND COUNTY. On S.H. Route 49, about 6.25 miles northwest of Atlantic and Broad Streets in Bridgeton; on the east corner of a cross road to Jericho, and 0.4 ft. below the ground; 20.7 ft. northeast of the centerline of Route 49; 40.8 ft. southeast of the west corner of the house of C.F. Buckley; and 35.56 ft. northwest of a pole BT-32-295. A standard USC&GS&SS disk, set in concrete.  
Elevation: 116.811 ft.
- Mon. 3000: MARLBORO, STOWE CREEK TWP., CUMBERLAND COUNTY. On S.H. Route 49, about 6.55 miles northwest of Atlantic and Broad Streets in Bridgeton; on the southwest side of the road, near the house of D. Oscar Fegley, and flush with the ground; 33.0 ft. southwest of the centerline of Route 49; 13.0 ft. north of a 24 inch twin oak tree; and 47.82 ft. west of a pole ACE-10880. A standard USC&GS&SS disk, set in concrete.  
Elevation: 76.483 ft.
- T.B.M. 183: MARLBORO, SALEM COUNTY. At the highway bridge over Sarah's Run, on the northeast side of the highway, on the southeast corner of the east abutment. A chiseled cross.  
Elevation: 60.704 ft.
- M 9: MARLBORO, SALEM COUNTY. At the east corner of the Marlboro Church, in the southeast face of the building, and 3.5 ft. above the ground. A standard disk, stamped "M 9 1930", and set vertically in sandstone.  
Elevation: 69.212 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL-A Page 7

- Mon. 12025: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.40 mile northwest of County line at Sarah's Run; 2 inches below ground; 20.05 ft. northeast of the centerline of Route 49; 49.96 ft. northeast of pole ACE-10889; 78.54 ft. south of west corner of two story frame farm house of E.R. Davis; and 9.54 ft. northwest of pole BT-32-328. A standard NJGCS disk, set in concrete.  
Elevation: 79.961 ft.
- Mon. 12026: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 0.25 mile northwest of Horse Run Creek, and about 1.0 mile southeast of Pecks Corner; 2 inches below ground; 23.14 ft. southwest of the centerline of Route 49; 45.18 ft. southwest of pole BT-32-346; 62.41 ft. northwest of pole ACE-13416; and 108.28 ft. south of west corner of George Danitine's house. A standard NJGCS disk, set in concrete.  
Elevation: 71.377 ft.
- Mon. 12027: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 1.0 mile northwest of Marlboro Church and about 0.75 mile southeast of Pecks Corner; 6 inches below ground; 20.52 ft. northeast of the centerline of Route 49; 100.15 ft. northeast of east corner of the service station of Al Davenport; 20.15 ft. south of a nail in a maple tree; 16.71 ft. southwest of a nail in a maple tree; 10.91 ft. northwest of pole BT-32-361. A standard NJGCS disk, set in concrete.  
Elevation: 67.856 ft.
- Mon. 12028: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 0.45 mile southeast of Pecks Corner, opposite Dick's Service Station; 4 inches above ground; 23.40 ft. southwest of the edge of the concrete; 60.30 ft. northwest of pole BT-32-375; and 100.70 ft. southeast of pole BT-32-376. A standard NJGCS disk, set in concrete.  
Elevation: 93.097 ft.
- Mon. 12029: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.15 mile southeast of Pecks Corner; 6 inches below ground; 21.14 ft. northeast of centerline of Route 49; 36.32 ft. east of an arrow out in Route 49; 61.22 ft. southeast of pole BT-32-388; 134.66 ft. northwest of west corner of a two story frame dwelling owned by J.M. Hutton; 88.84 ft. northwest of pole BT-32-387; and 23.38 ft. northeast of an arrow out in Route 49. A standard NJGCS disk, set in concrete.  
Elevation: 93.015 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL-A Page 6

- Mon. 2923: PECKS CORNER, QUINTON TWP., SALEM COUNTY. On the west corner of S.H. Route 49 and Harmersville Road; about 4.58 miles southeast of the center of the bridge over Alloway Creek in Quinton; flush with the ground; 37.0 ft. northwest of the centerline of the Harmersville Road; 13.35 ft. southwest of the edge of the concrete on Route 49; and 24.4 ft. northwest of the west corner of the northwest concrete culvert headwall. A standard USC&GS&SS disk, set in concrete.  
Elevation: 74.049 ft.
- N 9: MARLBORO, SALEM COUNTY. About 1.8 miles northwest of Marlboro, about 150 yards northwest of Pecks Corner, directly east of a lone house called "Chestnut Cottage"; 25.6 ft. northeast of the centerline of S.H. Route 49, 90 ft. northwest of pole 398, and 24 ft. east of pole 399. A standard disk, stamped "N 9 1930", and set in the top of a concrete post.  
Elevation: 70.807 ft.
- Mon. 2922: QUINTON TWP., SALEM COUNTY. On S.H. Route 49, about 4.27 miles southeast of the center of the bridge over Alloway Creek in Quinton; on the northeast side of the road, opposite the house of Samuel McCullough, and 0.10 ft. below the surface of the ground; 12.20 ft. northeast of the edge of the concrete; 6.50 ft. east of the southeast end guard-rail post; and 94.60 ft. northeast of the north corner of the house of Samuel McCullough. A standard USC&GS&SS disk, set in concrete.  
Elevation: 64.634 ft.
- Mon. 12030: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 3.81 miles southeast of the center of the bridge over Alloway Creek in Quinton; 0.20 ft. above ground; 54.15 ft. southeast of pole BT-32-430; 130.70 ft. northwest of pole BT-32-429; and 20.85 ft. southwest of the edge of the concrete pavement. A standard NJGCS disk, set in concrete.  
Elevation: 103.303 ft.
- Mon. 12031: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 1.25 miles northwest of Pecks Corner and about 1.0 mile southeast of Burdens Hill; 8 inches below ground; 17.67 ft. northeast of centerline of road; 28.0 ft. east of an arrow cut in road; 8.18 ft. northwest of pole BT-32-452; 156.14 ft. north of the east corner of the stucco house of S.B. Sickler; 29.44 ft. northeast of an arrow cut in road. A standard NJ GCS disk, set in concrete.  
Elevation: 86.007 ft.



## NEW JERSEY

Salem County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL-A Page 9

- Mon. 12032: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.55 mile southeast of Burdens Hill and about 1.75 miles northwest of Pecks Corner, 8 inches below the ground; 19.21 ft. northeast of the centerline of road; 34.72 ft. southeast of end post of guard rail; 4.83 ft. west of pole 414; 80.14 ft. northeast of an old walnut tree on the southwest side of road; and 39.24 ft. northeast of the end post of guard rail on southwest side of the road. A standard NJGCS disk, set in concrete.  
Elevation: 90.578 ft.
- Mon. 12033: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, at the intersection of tangents of the curve to the northwest; about 0.25 miles southeast of Burdens Hill; 3 inches below the ground; 16.38 ft. northeast of the centerline of road; 9.50 ft. northeast of a bolt in concrete paving; 23.44 ft. southwest of pole BT-32-486; 117.10 ft. northwest of west corner of a white two story-frame stucco house; 11.37 ft. north of a bolt in concrete paving of road. A standard NJGCS disk, set in concrete.  
Elevation: 112.905 ft.
- NX 9: QUINTON, SALEM COUNTY. About 2 miles southeast of Quinton, 38 ft. north by east of the center of highway No. 49, 72 ft. southeast of pole No. 490, 24½ ft. northwest of pole No. 489, and 51.4 ft. west by north of the end of the railing along the highway. A standard disk, stamped "NX 9 1930", and set in the top of a concrete post.  
Elevation: 119.101 ft.
- Mon. 2921: QUINTON TWP., SALEM COUNTY. On S.H. Route 49, about 2.40 miles southeast of the center of the bridge over Alloway Creek in Quinton; on the north corner of the road to Harney; 4.0 ft. above the road, and 0.50 ft. above the surface of the ground; 22.45 ft. northeast of the edge of the concrete; 76.65 ft. east of a pole BT-32-493; and 76.0 ft. northwest of the centerline of the road to Alloway. A standard USC&GS&SS disk, set in concrete.  
Elevation: 131.505 ft.

GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 10

- BURDEN-2:** QUINTON TWP., SALEM COUNTY. On the summit of Burden Hill about 0.15 mile south of S.H. Route 49; 13.5 ft. east-southeast of triangle blazed small triple oak; 20.0 ft. southwest of an 8 inch triangle blazed oak; and 18.0 ft. north of a 5 inch triangle blazed oak. A standard USC&GS Triangulation Station disk, stamped "BURDEN-2" set in concrete built around an old granite monument, projecting 10 inches above ground level.  
Elevation: 135.343 ft.
- Mon. 2920:** QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 1.98 miles southeast of the center of the bridge over Alloway Creek in Quinton, opposite an old gravel pit; 4.0 ft. above the road; flush with the ground; 21.90 ft. southwest of the edge of the concrete; 86.15 ft. west of the north corner of the frame house of John Pankoke; and 54.90 ft. south of pole BT-32-509. A standard USC&GS&SS disk, set in concrete.  
Elevation: 76.715 ft.
- Mon. 12034:** QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.45 mile northwest of Burden Hill; 4 inches below the ground; 18.43 ft. northeast of the centerline of Route 49; 21.40 ft. northeast of an arrow cut in road; 51.42 ft. northwest of pole BT-32-515; 12.55 ft. northwest of an arrow cut in the road; and 40.98 ft. northeast of pole ACE-14722. A standard NJGCS disk, set in concrete.  
Elevation: 59.145 ft.
- RV 2931:** QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49 about 1.45 miles southeast from the center of the bridge over Alloway Creek in Quinton; 107.80 ft. northwest from a gum tree; 125.70 ft. west from pole BT-32-530; 43.20 ft. south from pole BT-32-531; 11.05 ft. southwest from the southwest edge of the concrete road; and 0.8 ft. below the level of the concrete road. A monel metal rivet, set in a concrete monument.  
Elevation: 35.397 ft.
- Mon. 12035:** QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49; about 1.25 miles northwest of Burdens Hill; and 0.95 mile southeast of center of bridge over Alloway Creek in Quinton; flush with the ground; 43.45 ft. southwest of pole BT-32-552; 10.90 ft. southwest of edge of road; 157.80 ft. west of pole BT-32-551. A standard NJGCS disk, set in concrete.  
Elevation: 23.493 ft.

## NEW JERSEY

Salem County  
1941GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 11

- PT 6096: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.70 mile southeast of bridge over Alloway Creek in Quinton; and about 1.55 miles northwest of Burdens Hill; 6 inches above ground; 285 ft. northwest of an old brick farmhouse on the northeast side of road; 30.57 ft. northwest of pole BT-563; 20.65 ft. northeast of centerline of Route 49. A standard NJGCS disk, set in the concrete wall of a drain basin.  
Elevation: 28.780 ft.
- RV 6066: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49 in the concrete curb at the intersection of tangents (centerline); and about 65 ft. southeast of centerline of street leading southwest of school house; about 0.3 mile southeast of bridge over Alloway Creek; 28.28 ft. northeast from the east corner of white frame bungalow of John Owens; 12.55 ft. east of east corner of brick porch; and 12.50 ft. southwest of centerline of Route 49. A monel metal rivet.  
Elevation: 21.456 ft.
- P 9: QUINTON TWP., SALEM COUNTY. In the northwest corner of the Quinton Grammar School. A standard disk, stamped "P 9 1930", and set vertically in the brick wall.  
Elevation: 20.932 ft.
- Mon. 12036: QUINTON, QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, opposite East Avenue, flush with paving; 8.20 ft. southwest of the centerline of Route 49; 35.68 ft. southwest of pole BT-568; 20.10 ft. northwest of pole ACE-1669; 5.01 ft. north of east corner of and 6.61 ft. northeast of north corner of an iron curb box. A standard NJGCS disk, set in concrete.  
Elevation: 17.294 ft.
- NJGS 18.97: QUINTON, SALEM COUNTY. About 100 yards easterly from the Quinton Glass Company's store, on the northerly side of Main Street, at the granite monument set by the Daughters of the American Revolution, at the bottom of the inscription, on the east end of the carved fold. An arrow cut in the granite.  
Elevation: 19.580 ft.

NEW JERSEY

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

SAL-A Page 12

- Alloway Creek-1933: QUINTON, SALEM COUNTY. On the southwest side of S.H. Route 49, near the southeast edge of Alloway Creek and in the lumber yard of Isaac S. Smick & Son; 94.03 ft. southwest of R.M.#1 which is about 100 ft. southwest of the drawbridge and 21 ft. north of a lumber shed; 86.5 ft. northwest of R.M.#2 which is 4.5 ft. southwest of a lumber shed, and flush with the ground; R.M.#1 and R.M.#2 being standard USC&GS reference mark disks, set in concrete. A standard USC&GS triangulation station disk, set in concrete.  
Elevation: 5.576 ft.
- Q 9: QUINTON, SALEM COUNTY. At the highway bridge over Alloway Creek, in the south end of the northeast curb. A standard disk, stamped "Q 9 1930" and set in concrete.  
Elevation: 9.101 ft.
- Mon. 12038: TOWN OF QUINTON, QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 245 ft. northwest of bridge over Alloway Creek in Quinton; 6 inches below ground; 20.30 ft. northeast of centerline of S.H. Route 49; 0.65 ft. northeast of a guard rail; 55.18 ft. southeast of pole BT-598; 52.43 ft. northwest of pole BT-597; and 65.92 ft. north of a caution sign. A standard NJGCS disk, set in concrete.  
Elevation: 4.662 ft.
- Azimuth Mark-Alloway Creek 1933: QUINTON TWP., SALEM COUNTY. On the south side of S.H. Route 49 about 0.4 mile northwest of the drawbridge at the north end of the lumber yard of Isaac S. Smick & Son; 30 ft. south of the centerline of Route 49 and 1 ft. south of fence line. A standard USC&GS azimuth mark disk, set in concrete.  
Elevation: 13.370 ft.
- Mon. 2919: QUINTON TWP., SALEM COUNTY. On S.H. Route 49 about 3.07 miles southeast of S.H. Route 45 opposite the road to Hancock's Bridge; on the northeast side of the road, 0.50 ft. below the level of the concrete, and 0.25 ft. below the surface of the ground; 11.95 ft. northeast of the edge of the concrete; 10.70 ft. east of direction sign post; and 43.40 ft. north of the north end of the easterly concrete culvert head-wall. A standard USC&GS&SS disk, set in concrete.  
Elevation: 14.482 ft.

## NEW JERSEY

Salem County  
1941

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL-A Page 13

- Mon. 2918: QUINTON TWP., SALEM COUNTY. On S.H. Route 49 about 2.5 miles southeast of S.H. Route 45; on the southwest side of the road, opposite the brick house of Roy Patrick, and 1.5 ft. below the level of the concrete pavement; 20.95 ft. southwest of the edge of highway slab 49; 11.85 ft. southeast of a pole EP-1347; and 126.95 ft. southwest of the south corner of the house of Roy Patrick. A standard USCG&S&SS disk, set in concrete.  
Elevation: 20.706 ft.
- Mon. 12039: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 0.9 mile northwest of bridge over Alloway Creek in Quinton; 2 inches below the ground; 96.0 ft. southeast of the center of the lane leading northeast from Route 49 to Harris Farm; 27.0 ft. northeast of centerline of Route 49; 3.0 ft. southeast of pole BT-32-631; 4.30 ft. southwest of wire fence; 83.10 ft. northeast of pole ACE-843. A standard NJGCS disk, set in concrete.  
Elevation: 19.515 ft.
- RV 2928: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49 about 2.35 miles southeast from its intersection with S.H. Route 45 in Salem, almost opposite the driveway to the bungalow of George N. Lawrence; 12.90 ft. southwest from the edge of the concrete road and 1.0 ft. above the edge of the pavement. A monel metal rivet, set in a concrete monument.  
Elevation: 21.825 ft.
- Mon. 12040: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 1.20 miles northwest of bridge over Alloway Creek in Quinton; 2 inches below the ground; 19.88 ft. southwest of centerline of Route 49; 47.35 ft. northwest of pole ACE-842; 2.30 ft. northeast of corner of a board fence; 67.58 ft. southeast of a large cedar tree; and 44.14 ft. southwest of pole BT-641. A standard NJGCS disk, set in concrete.  
Elevation: 17.829 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL--A Page 14

- Mon. 12041: QUINTON TWP., SALEM COUNTY. On the northeast side of S.H. Route 49, about 1.60 miles northwest of bridge over Alloway Creek in Quinton, opposite and in range of the west concrete wall around a three story frame building on southwest side of the road; 2 inches below the ground; 45.78 ft. northeast of east corner of concrete wall around frame building; 59.55 ft. northeast of west side of concrete gate opening in the north wall of same; 21.90 ft. northeast of centerline of road; and 68.28 ft. north of a catalpa tree. A standard NJGCS disk, set in concrete.  
Elevation: 17.250 ft.
- RV 2927: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49 about 1.85 miles southeast from its intersection with S.H. Route 45 in Salem, 0.9 ft. northeast from the northwest end of the concrete block wall in front of the home of George A. Elk and 0.6 ft. above the edge of the concrete road. A monel metal rivet, set in a concrete monument.  
Elevation: 18.127 ft.
- Mon. 12042: QUINTON TWP., SALEM COUNTY. On the southwest side of S.H. Route 49, about 1.95 miles northwest of bridge over Alloway Creek in Quinton; 2 inches below the ground; 20.45 ft. southwest of centerline of Route 49; 3.52 ft. northeast of corner of wire fence; 53.25 ft. southwest of a willow tree; and 61.43 ft. southeast of pole 32-670-BT. A standard NJGCS disk, set in concrete.  
Elevation: 13.810 ft.
- Mon. 2917: QUINTON TWP., SALEM COUNTY. On S.H. Route 49 about 1.30 miles southeast of S.H. Route 45; on the northeast side of the road, just northwest of a side road, and 0.50 ft. above the edge of the concrete; 11.79 ft. northeast of the edge of the concrete pavement at highway alab #225; 98.30 ft. north of the east corner of the Delsea Motor Co. brick building; and 90.65 ft. northeast of the east corner of the house of Jack Oehley. A standard USC&GS&BS disk, set in concrete.  
Elevation: 10.187 ft.

## GEODETIC CONTROL SURVEY

## DESCRIPTION OF BENCH MARKS

SAL-A Page 15

- Mon. 2916: CITY OF SALEM, SALEM COUNTY. On S.H. Route 49 about 0.93 miles southeast of S.H. Route 45; on the southwest side of the road, northwest of the entrance to the East View Cemetery, and 0.80 ft. above the edge of the concrete pavement; 11.10 ft. southeast of the edge of highway slabs #168 and #169; 64.10 ft. southwest of a fire hydrant; and 36.95 ft. southwest of the face of the northeast curb. A standard USC&GS&SS disk, set in concrete.  
Elevation: 11.497 ft.
- RV 2926: SALEM, SALEM COUNTY. On the southeast corner of East Broadway and Elm Street, in the southeast end of the bottom concrete step at the main entrance to the Mount Hope Memorial M.E. Church. A monel metal rivet.  
Elevation: 11.869 ft.
- Mon. 12043: CITY OF SALEM, SALEM COUNTY. On the west corner of Union Street and Broadway; flush with the ground; 25.60 ft. southwest of centerline of Broadway; 13.20 ft. northwest of centerline of Union Street; 15.85 ft. northeast of corner of picket fence around #341 Broadway; 5.52 ft. southeast of pole BT-32-710; 54.60 ft. southwest of a fire hydrant; 3.75 ft. southwest of face of curb on Broadway; 2.80 ft. northwest of face of curb on Union Street. A standard NJGCS disk, set in concrete.  
Elevation: 13.445 ft.
- Mon. 12045: CITY OF SALEM, SALEM COUNTY. On the northeast side of Broadway in the east angle of Ninth Street, flush with the ground; 26.17 ft. northeast of the centerline of Broadway; 24.60 ft. southeast of the center of Ninth Street; 1.35 ft. northeast of face of curb on Broadway; 3.50 ft. northeast of a 48 inch maple; 11.12 ft. southwest of west corner of 272 Broadway; 22.42 ft. west from south corner of same. A standard NJGCS disk, set in concrete.  
Elevation: 8.918 ft.
- MK 2925:  
NJGS 11.47 SALEM, SALEM COUNTY. On the outer corner at the southerly end of marble door sill of East Broadway entrance to the Memorial Baptist Church at the corner of Seventh Street. A cross.  
Elevation: 11.924 ft.
- 8-9: SALEM, SALEM COUNTY. In the northeast corner of the main wing of the Salem High School, and about 2 ft. above the ground. A standard disk, stamped "S 9 1930", and set vertically in the brick wall.  
Elevation: 17.352 ft.

GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

SAL-A Page 16

INTERMEDIATE RUN: MON. 12045 TO T-9:

- Mon. 2915: CITY OF SALEM, SALEM COUNTY. On the northeast side of Grant Street, about opposite Ninth Street, 0.45 miles southeast of Route 45, just southeast of a bridge; 0.20 ft. below the ground; 45.75 ft. northeast of a fire hydrant; 36.45 ft. northeast of a sewer manhole; and 11.80 ft. northwest of pole BT-318-17. A standard USC&GS disk, set in concrete.  
Elevation: 6.367 ft.
- Mon. 12044: CITY OF SALEM, SALEM COUNTY. At the northwest corner of Grant Street and Market Street in Salem; flush with the sidewalk; 21.09 ft. northwest of the centerline of Market Street; 11.10 ft. northwest of iron post set in concrete side wall; 3.13 ft. southwest of southwest corner of concrete base of fire hydrant; 2.65 ft. southwest of the southeast corner of same; 39.18 ft. southwest of an iron post of road sign of S.H. Department. A standard NJGCS disk, set in concrete.  
Elevation: 12.213 ft.
- Mon. 12046: CITY OF SALEM, SALEM COUNTY. On the north side of Griffith Street, about 0.25 mile northwest of Market Street, flush with the ground; 13.25 ft. southeast from the southeast corner of 122 Griffith Street; 14.65 ft. southwest from southwest corner of 124 Griffith Street; 33.65 ft. northeast from pole 149-8C-8; 3.63 ft. northeast from pole BT-148-8C. A standard NJGCS disk, set in concrete.  
Elevation: 7.460 ft.
- Mon. 12058: CITY OF SALEM, SALEM COUNTY. On the north side of Griffith Street in east angle of a RR spur to the Gaynor Glass Works, about 0.55 mile northwest of Market Street, and 300 ft. southeast of Boscule Bridge over Salem Creek; 3 inches below the ground; 22.18 ft. northeast from the centerline of Griffith Street; 51.56 ft. southeast from a fire hydrant; 16.20 ft. southeast from the southeast corner of a brick warehouse of Heinz & Co.; 2.50 ft. southeast of southeasterly rail of the RR spur; 51.23 ft. northwest from #8 Griffith Street. A standard NJGCS disk set in concrete.  
Elevation: 7.551 ft.



NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Salem County  
1941

SAL-A Page 17

SALEM 1933: SALEM COUNTY, N. J. On the wharf owned by William Harris; just southwest of the drawbridge over the Salem River in Salem; 19.5 ft. northeast of the boat runway; 20 ft. southeast of the end of the wharf (gasoline pump here); 293 ft. southwest of the bridge; flush with the ground; 258.00 ft. southwest of R. M. No. 1 which is 13 ft. northeast of the centerline of macadam street (old bridge approach) and 40 ft. southwest of the bridge; 4 inches above the ground; 108.14 ft. north of R. M. No. 2 which is 30 ft. north-northwest of a railroad siding; 36 ft. south-southeast of a private driveway along the waterfront; and 50 ft. west of the road leading to the wharf; flush with the ground; R.Ms #1 and #2 being standard USC&GS reference mark disks, set in concrete. A standard USC&GS triangulation station disk, set in concrete.

Elevation: 4.429 ft.

T-9 SALEM, SALEM COUNTY. At county bridge No. 700, on the southwest end of the bridge, on the west concrete rail, 10.0 ft. northeast of the brass inscription plate, and 1.5 ft. above the sidewalk. A standard disk, stamped "T 9 1930", and set vertically in concrete.

Elevation: 13.291 ft.

END OF INTERMEDIATE RUN.  
ADDITIONAL BENCH MARKS:

RV 2936: QUINTON TWP., SALEM COUNTY. On the southeast side of a road intersecting State Highway Route #49 from the northeast, about 0.52 miles northwest from the center of the bridge over Sarah Run at the Cumberland County Line, in the northeast end of the southeast concrete headwall of a pipe culvert under the side road; about 110.0 ft. southeast from Horse Run. A monel metal rivet.

Elevation: 58.499 ft.

RV 2935: QUINTON TWP., SALEM COUNTY. On the northeast side of State Highway Route #49 about 0.87 miles northwest from the center of the bridge over Sarah Run at the Cumberland County Line, in the northwest end of the northeast headwall of a 48-inch pipe culvert under the highway; 3.5 ft. lower than the edge of the concrete pavement. A monel metal rivet.

Elevation: 59.727 ft.

NEW JERSEY

Salem County  
Cumberland County  
1941

GEODETIC CONTROL SURVEY

DESCRIPTION OF BENCH MARKS

SAL-A Page 18

RV 2932: QUINTON TWP., SALEM COUNTY. On the northwest side of a side road crossing State Highway Route #49 about 3.20 miles southeast from the center of the bridge over Alloway Creek in Quinton, in the northeast end of the northwest concrete headwall of a pipe culvert. A monel metal rivet.  
Elevation: 71.980 ft.

TIES TO NJGS BENCH MARKS:

MK. 3087: BRIDGETON, CUMBERLAND COUNTY. This bench mark is a cross cut on east end of door sill of main front entrance of First Baptist Church on Commerce Street.  
NJGS 22.41 Elevation: 22.761 ft.

MK 3086: BRIDGETON, CUMBERLAND COUNTY. On the outer edge, 2.7 ft from the westerly end of door sill of East Commerce Street entrance to the Cumberland Trust Company's building at Pearl Street.  
NJGS 14.71 Elevation: 15.055 ft. DESTROYED

## NEW JERSEY

Salem County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

SAL-F page 1

STARTING IN QUINTON TOWNSHIP, SALEM COUNTY, ON STATE HIGHWAY ROUTE #49, ABOUT 150 YARDS NORTHWEST OF COHANSEY-HARMERSVILLE ROAD (PECKS CORNER), THENCE SOUTHEAST TO PECKS CORNER, SAME TOWNSHIP, THENCE WEST ALONG ROAD THROUGH HARMERSVILLE, LOWER ALLOWAYS CREEK TOWNSHIP, SAME COUNTY, AND CONTINUING WEST AND ALONG MAIN STREET THROUGH HANCOCK BRIDGE, SAME TOWNSHIP, THENCE EAST TO SALEM-HANCOCKS BRIDGE ROAD, THENCE NORTH ALONG SAID ROAD TO SALEM TO A POINT ABOUT 200 FT. SOUTH OF KENT STREET, SALEM, SAME COUNTY, THENCE TO THE SALEM COUNTY COURT HOUSE, 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.

- N-9:(1930):** MARLBORO, SALEM CO., N.J. About 1.8 miles northwest of Marlboro; about 150 yards northwest of Pecks Corners, directly east of a lone house called "Chestnut Cottage"; 25.6 ft. northeast of the centerline of highway #49; 90.0 ft. northwest of pole #398; and 24.0 ft. east of pole #399. A standard disk, stamped "N-9 1930", set in the top of a concrete post.  
Elevation: (21.582 meters or 70.807 ft.)
- RV. 6042:** QUINTON TWP., SALEM CO., N.J. On Pecks Corner-Harmersville Road, about 1.25 miles west of the intersection of Route #49; on the Salem County Bridge #925, over the Upper Branch of Stowe Creek; in the center of the top of the northwest concrete post of the guard rail. A standard monel metal rivet, set in concrete.  
Elevation: 41.367 ft.
- RV. 6043:** LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the Pecks Corner-Harmersville Road, about 3.10 miles northwest of the intersection with Route #49; leading northwest to Quinton, and east to Pecks Corner; in the northeast end of the east edge of the concrete step at the entrance to the one story School House; 0.60 ft. south of the edge of the building; and 0.27 ft. west of the east edge of the step. A standard monel metal rivet, set in concrete.  
Elevation: 32.046 ft.
- RV. 6045:** LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the Pecks Corner-Harmersville Road, about 3.50 miles northwest of the intersection with Route #49; 1.35 miles east of Harmersville; 0.7 miles west of a School House; in the southeast corner of the second concrete step in the front of the farm house of Leslie Carrol. A standard monel metal rivet, set in concrete.  
Elevation: 34.136 ft.

## NEW JERSEY

Salem County

## GEODETIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

SAL-F page 2

RV. 6044: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the Pecks Corner-Harmersville Road, about 4.45 miles northwest of the intersection with Route #49; about 0.45 miles east of Harmersville on the same road; 9.04 ft. southwest of a small maple tree; 18.75 ft. southwest of the centerline of a well; 6.25 ft. southeast of the southeast corner of the home owned by Warren Green; 29.15 ft. southeast of the southwest corner of the same house; 0.28 ft. north of the edge of the curb. A standard monel metal rivet, set in concrete.

Elevation: 18.469 ft.

MON. 2967: HARMERSVILLE, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northerly edge of the road at the intersection in Harmersville, about 1.60 miles southeast of the center of the iron bridge over Alloways Creek at Hancocks Bridge; 0.20 ft. below the ground; 61.50 ft. south of the southwest corner of the house of Curtis Pompper; 106.0 ft. northeast of the southeast corner of the General Store of L.J. Holliday; 86.90 ft. northeast of the northeast corner of the frame house of Sarah Dilks; and 6.30 ft. west of pole #TP-307-227. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 17.349 ft.

MON. 2966: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southerly side of the road from Hancocks Bridge to Harmersville, about 1.35 miles southeast of the center of the iron bridge over Alloways Creek at Hancocks Bridge; level with the ground; 72.55 ft. east of pole #TP-307-217; 48.20 ft. south of pole #EP-902; and 61.40 ft. east of pole #TP-307-218. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 15.529 ft.

MON. 2965: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northeast side of the road leading from Hancocks Bridge to Harmersville, at its junction with a road leading to Quinten, about 0.87 mile southeast from the center of the iron bridge over Alloways Creek at Hancocks Bridge; level with the ground; 16.40 ft. east of E.P.#887; 71.40 ft. northeast of pole #TP-307-199; 92.90 ft. northeast of the northerly corner of the frame house of Winfield Scudder; and 98.60 ft. north of the easterly corner of said house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.

Elevation: 3.781 ft.

NEW JERSEY  
GEODETTIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Salem County

1940

SAL-P page 3

- MON. 2964: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. In the north-westerly corner of a field owned by John P. Ridgeway, on the southerly side of the road leading from Hancock's Bridge to Harmer'sville, about 0.62 mile southwest from the center of the iron bridge over Alloways Creek at Hancock's Bridge; level with the ground; 140.75 ft. southeast of pole #EP-878; 86.50 ft. south of pole #TP-307-187; 92.50 ft. east of the wire fence on the west side of the field. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 1.790 ft.
- MON. 2965: HANCOCK'S BRIDGE, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southwest side of Main St. in the village of Hancock Bridge, about 0.49 mile south of the center of the iron bridge over Alloways Creek; 0.1 ft. below the ground; 38.80 ft. east of the east corner of the frame house of James Sheppard; 46.25 ft. north of the north corner of the house of Richard Horner; and 1.37 ft. southwest of the face of the concrete curb. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 3.745 ft.
- MON. 2962: HANCOCK'S BRIDGE, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the west side of Main St. in the village of Hancock Bridge, about 0.20 mile southwest of the center of the iron bridge over Alloways Creek; 0.2 ft. below the ground; 20.25 ft. northeast of the north corner of the barber shop and pool room of Hildreth Baker; 57.50 ft. west of the west corner of the corner house of Edmund Shimp; and 22.15 ft. southeast of the southerly corner of same house. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.060 ft.
- HANCOCK'S BRIDGE: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the east side of the road leading from Salem to Canton, about in the centerline of Main St.; 49.0 ft. south of Alloways Creek; 68.61 ft. southeast of R.W. #2, on the southwest abutment of the bridge over Alloways Creek; and 57.0 ft. east of the centerline of the road. A standard U.S.C. & G.S. Triangulation Station bronze disk, stamped "Hancock's Bridge", set in concrete.  
Elevation: 3.997 ft.

NEW JERSEY

Salem County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

SAL-F page 4

- MON. 2961: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge, about 3.73 miles south of the intersection of Route #49 and Yorke St. in Salem City; 0.2 ft. below the ground; 17.55 ft. north of pole #EP-305; 87.40 ft. northwest of pole #TP-307-152; 15.0 ft. west of the centerline of the hard surface road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.762 ft.
- MON. 2960: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge, about 3.10 miles south of the intersection of Route #49 and Yorke St. in Salem City; level with the ground; 50.40 ft. northeast of a large cedar tree; 37.80 ft. west of pole #TP-307-124; and 198.30 ft. southeast of the southeast corner of the house of Frank Green. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 5.124 ft.
- MON. 2959: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge at its intersection with a road leading to Quinton, about 2.75 miles south of the intersection of Route #49 and Yorke St. in Salem City; 0.2 ft. below the ground; 98.86 ft. north of pole #EP-783; 44.30 ft. northwest of pole #TP-307-110; 56.60 ft. west of pole #EP-11391. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 8.902 ft.
- MON. 2958: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge, about 2.08 miles south of the intersection of Route #49 and Yorke St. in Salem City; 0.2 ft. below the ground; 13.45 ft. west of the centerline of the hard surface road; 70.70 ft. north of a wild cherry tree; and 126.0 ft. northwest of pole #TP-307-83; 95.10 ft. south of pole #EP-768. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.300 ft.
- MON. 2957: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the east side of the road from Salem to Hancocks Bridge, about 1.30 miles south of the intersection of Route #49 and Yorke St. in Salem City; 0.2 ft. below ground; 13.25 ft. east of the centerline of the road; 69.30 ft. northeast of a corner of a wire fence; 58.50 ft. northwest of a corner post of a fence; 23.2 ft. southwest of pole #BT-307-71. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 9.641 ft.

NEW JERSEY

Salem County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

SAL-P page 5

- RV. 2985: ELSINBORO TWP., SALEM CO., N.J. On the westerly side of the road leading from Salem to Hancocks Fridge, 1.33 miles south from the intersection of Route #49 and Yorke St. in Salem City; 0.30 miles south from Monument #2956, in front of the farm house of the Zaiser Farm, occupied by Joseph Bell; set in the easterly end of the bottom concrete step. A standard monel metal rivet, set in concrete.  
Elevation: 12.898 ft.
- MON. 2956: ELSINBORO TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge, about 1.03 miles south of the intersection of Route #49 and Yorke St. in Salem City; level with the ground; 41.90 ft. northeast of pole #EP-736; 97.30 ft. northwest of pole #TP-307-43; and 15.0 ft. from the centerline of the road. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 11.427 ft.
- MON. 2955: ELSINBORO TWP., SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge at Moores Corner, about 0.75 mile south from the intersection of Route #49 with Yorke St. in Salem City; level with the ground; 10.80 ft. east of sign post; 38.40 ft. north of EP pole; and 65.70 ft. south of the southeast corner of the Grace U.A.M.E. Church. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 13.307 ft.
- MON. 2954: SALEM, SALEM CO., N.J. On the west side of the road from Salem to Hancocks Bridge, about 0.33 mile south of the intersection of Route #49 with Yorke St. in Salem City; 0.2 ft. below the ground; 43.70 ft. northeast of pole #EP-716; 79.25 ft. northwest of pole #BT-307-14; and 34.60 ft. west from pole #BT-307-13. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 6.627 ft.
- N.J.G.S. 16.82: SALEM, SALEM CO., N.J. At the Broadway entrance to the Salem County Court House, near the outer edge of, and 9 inches from, the northwest end of the granite door sill. A chiseled cross.  
Elevation: (5.267 meters or 17.280 ft.)

NEW JERSEY  
GEODETIC CONTROL SURVEY  
DESCRIPTION OF BENCH MARKS

Cumberland County  
Salem County

1940

SAL-G page 1

STARTING IN STOWE CREEK TOWNSHIP, CUMBERLAND COUNTY, AT INTERSECTION OF CANTON-GREENWICH ROAD AND WOODS LANDING-ROADSTOWN ROAD, AND RUNNING THENCE NORTHERLY ALONG SAID CANTON-GREENWICH ROAD TO ITS INTERSECTION WITH THE PECKS CORNER-HANCOCKS BRIDGE ROAD, HARMERSVILLE, LOWER ALLOWAYS CREEK TOWNSHIP, SALEM 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. 2977: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the southwest corner of Canton-Greenwich Road and Woods Landing-Roadstown Road, about 1.32 miles southeast of an iron bridge over Stowe Creek; 0.20 ft. below the ground; 64.80 ft. north of the north corner of an old saw mill; 64.80 ft. northwest of the southwest corner of the General Store of J. Brown; and 52.25 ft. southwest of pole #TP-748-134. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 50.825 ft.
- RV. 2987: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the road from Canton to Greenwich, 1.12 miles southeast from the center of the iron bridge over Stowe Creek; 0.57 mile southeast from rivet #2986; in the northwest end of the southwest headwall of a concrete bridge over Dennis Branch. A standard monel metal rivet, set in concrete.  
Elevation: 8.748 ft.
- RV. 2986: STOWE CREEK TWP., CUMBERLAND CO., N.J. On the southwest side of the road leading from Canton to Greenwich, at its intersection with a road leading to the meadows; 0.55 mile southeast from the center of the iron bridge over Stowe Creek; 0.50 ft. above the ground. A standard monel metal rivet, set in concrete.  
Elevation: 21.410 ft.
- MON. 2976: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northeast side of the road from Canton to Greenwich, about 3.26 miles southeast of the main intersection at Harmersville; level with the ground; 50.05 ft. southwest of the west corner of the house of Edward Turner; 59.55 ft. west of the south corner of the same house; 44.20 ft. northwest of the end of the concrete curb at the entrance. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 4.042 ft.



NEW JERSEY

Salem County

GEODETIC CONTROL SURVEY

1940

DESCRIPTION OF BENCH MARKS

SAL-G page 2

- MON. 2975: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the east side of the road from Canton to Greenwich; about 3.01 miles southeast of the main intersection at Harmersville; about 0.20 ft. below the ground; 67.70 ft. southeast of a large cherry tree; 91.35 ft. east of an office of Walter F. Hewitt; 44.0 ft. north of pole #EP-1020; and 86.0 ft. southeast of the centerline of the road leading to Jericho. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 7.725 ft.
- MON. 2974: CANTON, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southwest side of the road from Harmersville thru Canton, about 2.56 miles southeast of the main intersection at Harmersville; level with the ground; 40.50 ft. southwest of pole #TP-307-322; 33.2 ft. east of the east corner of a frame building of Rufus Turner; and 32.10 ft. northwest of pole #EP-1006. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 4.161 ft.
- MON. 2973: CANTON, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northeast side of the road from Harmersville to Canton, about 2.23 miles southeast of the main intersection at Harmersville; level with the ground; 74.0 ft. south of the south corner of the frame house of Benjamin Shimp; 38.90 ft. southeast of the southerly corner of the concrete walk in front of the house; and 38.30 ft. northwest of pole #TP-307-311. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 21.547 ft.
- MON. 2972: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northeast side of a road from Harmersville to Canton, about 1.71 miles southeast of the main intersection at Harmersville; 0.30 ft. below the ground; 25.30 ft. southeast of pole #TP-307-291; 81.05 ft. northeast of pole #EP-975; 74.65 ft. east of the most northerly corner of a frame house belonging to Milfred Bowden. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 22.234 ft.
- MON. 2971: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southwest side of a road from Harmersville to Canton, about 1.49 miles southeast of the main intersection at Harmersville; 0.2 ft. above ground; 57.65 ft. southwest of pole #TP-307-288; 113.60 ft. northwest of pole #TP-307-283; and 32.9 ft. northwest of pole #EP-967. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 20.734 ft.

## NEW JERSEY

Salem County

## GEODETTIC CONTROL SURVEY

1940

## DESCRIPTION OF BENCH MARKS

SAL-C page 3

- MON. 2970: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southwest side of the road from Harmersville to Canton, about 1.08 miles southeast of the main intersection at Harmersville; about 0.10 ft. above the ground; 77.25 ft. south of pole #TP-307-268; 74.48 ft. southeast of a large cedar tree; 3.25 ft. northeast of the fence on the southwest side of the road; 3.60 ft. north of pole #EP-954. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 24.805 ft.
- MON. 2969: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northeast side of the road leading from Harmersville to Canton, about 0.82 mile southeast of the main intersection at Harmersville; about 0.30 ft. above the ground; 29.30 ft. southeast of pole #TP-307-258; 83.20 ft. north of pole #EP-945. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 22.798 ft.
- MON. 2968: LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the southwest side of the road from Harmersville to Canton, about 0.32 mile southeast of the main intersection in Harmersville; 0.20 ft. above the ground; 22.05 ft. southeast of pole #EP-929; 73.10 ft. southwest of pole #TP-307-241. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 10.632 ft.
- MON. 2967: HARMERSVILLE, LOWER ALLOWAYS CREEK TWP., SALEM CO., N.J. On the northerly edge of the road at the intersection in Harmersville, about 1.60 miles southeast of the center of the iron bridge over Alloways Creek at Hancocks Bridge; 0.20 ft. below the ground; 61.50 ft. south of the southwest corner of the house of Curtis Pompper; 106.0 ft. northeast of the southeast corner of the General Store of L.J. Holliday; 86.90 ft. northeast of the northeast corner of the frame house of Sarah Dilks; and 6.30 ft. west of pole #TP-307-227. A standard U.S.C. & G.S. & S.S. disk, set in concrete.  
Elevation: 17.349 ft.

FIRST ORDER LEVELING  
OF  
UNITED STATES COAST & GEODETIC SURVEY  
DESCRIPTIONS AND ELEVATIONS  
OF  
BENCH MARKS  
IN  
THE VICINITY OF THE CUMBERLAND COUNTY LEVEL NET

LINE 9, SEA ISLE JUNCTION TO CAMDEN, N. J.

This line follows highways from Sea Isle Junction, N. J., through Dennisville, Delmont, Port Elizabeth, Millville, Bridgeton, Quinton, and Salem, to Penns Grove, thence along the West Jersey and Seashore Railroad to Camden, N. J. The field work was done during the summer of 1930 by W. R. Porter, junior hydrographic and geodetic engineer.

Q 4.--See page 17.

16.90 (P.R.R.).--See page 17.

Q 8.--At South Seaville, Cape May County, in the concrete base of the first semaphore south of the railroad station, and about 10 feet north of the highway. A standard disk, stamped "Q 8 1930," (8.771 meters or 22.215 feet.)

R 8.--About 1/2 mile east of South Dennis, Cape May County, on the east side of highway No. 4, 80 feet north of the crossing of a dirt road, 105 feet northeast of the corner of a yellow house located at the intersection of the highway and road, 26 feet east of the center line of the highway, 38 1/2 feet south of telephone pole No. 30, and 58 1/2 feet east of telephone pole No. 2974. A standard disk, stamped "R 8 1930," and set in the top of a concrete post. (5.281 meters or 17.326 feet.)

S 8.--At Dennisville, Cape May County, on highway No. 49, at the crossing of the first branch of Dennis Creek to the west of Dennisville, on the northeast abutment of the highway bridge. A standard disk, stamped "S 8 1930," (3.359 meters or 11.020 feet.)

T 8.--About 3.2 miles west of Dennisville, Cape May County, on highway No. 49, on property belonging to Charles Christian of Cape May, 35.0 feet north of the center line of the highway, 88 1/4 feet northwest of pole No. 2767, 62 1/4 feet southeast of pole No. 2766, opposite concrete road black No. 1094, and 23 feet northeast of the third cedar tree of a line of four cedar trees paralleling the road. A standard disk, stamped "T 8 1930" and set in the top of a concrete post which projects about 2 inches above the ground. (4.608 meters or 15.118 feet.)

U 8.--About 1.2 miles west of Eldora, Cape May County, at the highway bridge crossing West Creek, on the south curb at a point 10 feet west of the east end of the bridge. A standard disk, stamped "U 8 1930." (3.485 meters or 11.434 feet.)

UX 8.--At Delmont, Cumberland County, on property belonging to Howard Thorson, 101 feet southwest of the Thorson house, 28 1/4 feet north of the center line of highway No. 49, and 23 1/4 feet northeast of pole No. BT 32576. A standard disk, stamped "UX 8 1930," and set in the top of a concrete post which projects about 2 inches above ground. (3.282 meters or 10.762 feet.)

V 8.--About 1.5 miles north of Delmont, Cumberland County, at the New Jersey State Prison Farm, on the southeast concrete footing of the 150-foot water tank. A standard disk, stamped "V 8 1930," (4.505 meters or 14.780 feet.)

X 8.--About 0.5 mile southeast of Dorchester, Cumberland County, 57.8 feet southeast of the center line of highway No. 49, opposite the dirt road leading to Dorchester, 29 feet northeast of the center line of a dirt road leading southeast, and 32 1/2 feet southeast of a concrete road sign. A standard disk, stamped "X 8 1930," and set in the top of a concrete post which projects about 4 inches above the ground. (6.231 meters or 20.443 feet.)

## Line 9, Sea Isle Junction to Camden, N.J. (cont.)

- 32.73 (N.J.G.S.)--At Bridgeton, Cumberland County, at the corner of East Commerce and Bank Streets, at the Central Methodist Episcopal Church, at the entrance under the tower, on the outer corner of the northerly end of the doorsill. A chiseled cross. (10.087 meters or 33.094 feet.)
- H 9.--At Bridgeton, Cumberland County, on the northwest corner of the Cumberland County Courthouse. A standard disk, stamped "H 9 1930," and set vertically. (14.410 meters or 47.277 feet.)
- J 9.--At Bridgeton, Cumberland County, on the southeast corner of the Bridgeton High School. A standard disk, stamped "J 9 1930," and set vertically in the brick wall. (24.541 meters or 80.515 feet.)
- K 9.--About 1.5 miles southeast of Shiloh, Cumberland County, in the northeast end of the bridge over Barretts Run. A standard disk, stamped "K 9 1930," and set vertically, in the concrete wall. (17.797 meters or 58.389 feet.)
- L 9.--At Shiloh, Cumberland County, in the northeast face of the Shiloh Public School, 10 feet southeast of the north corner of the building, and 3 feet above the ground. A standard disk, stamped "L 9, 1930," and set vertically in the brick wall. (35.832 meters or 117.559 feet.)
- T.B.M. 185.--At Marlboro, Salem County, at the highway bridge over Saran Run, on the northeast side of the highway, on the southeast corner of the east abutment. A chiseled cross. (18.503 meters or 60.705 feet.)
- N.J.G.C.S. Elevation: 60.704 ft.
- M 9.--At Marlboro, Salem County, at the east corner of the Marlboro Church, in the southeast face of the building, and 3.5 feet above the ground. A standard disk, stamped "M 9 1930," and set vertically in sandstone. (21.086 meters or 69.212 feet.)
- N 9.--About 1.8 miles northwest of Marlboro, Salem County, about 150 yards northwest of Pike's Corners, directly east of a lone house called "Chestnut Cottage," 25.6 feet northeast of the center line of highway No. 49, 90 feet northwest of pole No. 398, and 24 feet east of pole No. 399. A standard disk, stamped "N 9 1930," and set in the top of a concrete post. (21.582 meters or 70.807 feet.)
- NX9.--About 2 miles southeast of Quinton, Salem County, 38 feet north by east of the center of highway No. 49, 72 feet southeast of pole No. 490, 24½ feet northwest of pole No. 489, and 51.4 feet west by north of the end of the railing along the highway. A standard disk, stamped "NX 9 1930," and set in the top of a concrete post. (36.302 meters or 119.101 feet.)
- P 9.--At Quinton, Salem County, in the northwest corner of the Quinton Grammar School. A standard disk, stamped "P 9 1930," and set vertically in the brick wall. (6.380 meters or 20.932 feet.)
- 18.97 (N.J.G.S.)--At Quinton, Salem County, about 100 yards easterly from the Quinton Glass Co.'s store, on the northerly side of Main Street, at the granite monument set by the Daughters of the American Revolution, at the bottom of the inscription, on the east end of the carved fold. An arrow cut in the granite. (5.968 meters or 19.580 feet.)
- Q 9.--At Quinton, Salem County, at the highway bridge over Alloway Creek, in the south end of the northeast curb. A standard disk, stamped "Q 9 1930," and set in concrete. (2.774 meters or 9.101 feet.)
- Chiseled square (?).--At Quinton, Salem County, on the northwest pier of the highway bridge over Alloway Creek. A large chiseled square. (1.197 meters or 3.927 feet.)

## Line 9, Sea Isle Junction to Camden, N.J. (cont.)

- R 9.--At Salem, Salem County, at the northeast corner of the building of the Salem National Bank and Trust Co., 0.5 foot west of the east face of the building, and 3.5 feet above the sidewalk. A standard disk, stamped "R 9 1930," and set vertically in granite. (5.822 meters or 19.101 feet.)
- 16.82 (N.J.G.S.)--At Salem, Salem County, at the Broadway entrance to the Salem County Courthouse, near the outer edge of, and 9 inches from, the northwest end of the granite doorsill. A chiseled cross. (5.287 meters or 17.280 feet.)
- S 9.--At Salem, Salem County, in the northeast corner of the main wing of the Salem High School, and about 2 feet above the ground. A standard disk, stamped "S 9 1930," and set vertically in the brick wall. (5.289 meters or 17.352 ft.)
- T 9.--At Salem, Salem County, at county bridge No. 700, on the southwest end of the bridge, on the west concrete rail, 10 feet northeast of the brass inscription plate, and 1.5 feet above the sidewalk. A standard disk, stamped "T 9 1930," and set vertically in concrete. (4.048 meters or 13.291 feet.)
- V 9.--About 2.5 miles southeast of Pennsville, Salem County, on property belonging to J.F. Sinnickson, east of the highway and about 100 yards north of the farmhouse rented by H. Sparks, 108 feet west of the northwest corner of a barn, 36.8 feet east of the center line of the Salem-Penns Grove Highway, and 16 feet southeast of pole No. SD 521. A standard disk, stamped "V 9 1930," and set in the top of a concrete post which projects about 3 inches above the ground. (4.620 meters or 15.167 feet.)
- W 9.--At Pennsville, Salem County, in the southwest corner of the brick grade-school building, and 2.5 feet above the ground. A standard disk, stamped "W 9 1930," and set vertically in the brick wall. (5.679 meters or 18.632 feet.)
- X 9.--At Pennsville, Salem County, in the southeast face of the town hall, midway between the entrance to the fire department and the outside entrance. A standard disk, stamped "X 9 1930," and set in the brick wall. (4.390 meters or 14.403 feet.)
- Y 9.--At Deepwater, Salem County, on the east concrete roofing of the water tank. A standard disk, stamped "Y 9 1930," (2.729 meters or 8.953 feet.)
- Z 9.--At Carnes Point, Salem County, in the west face of the John J. Pershing School, 20 feet north of the main entrance, and 3 feet above the ground. A standard disk, stamped "Z 9 1930," and set vertically in the brick wall. (5.721 meters or 18.770 feet.)
- 5.60 (N.J.G.S.)--At Penns Grove, Salem County, in the railroad yards, 200 yards southeast of the station, at the water tank, on top of the south foundation bolt in the most southerly concrete footing supporting the steel frame of the tank. A cross in the top of the bolt. (1.944 meters or 6.378 feet.)
- C 10.--At Penns Grove, Salem County, at the Pittman Street crossing of the railroad, on the northeast corner of the bell-signal tower, about 100 feet west of a large cylindrical gas tank, 32 feet north of the center of Pittman Street, and 10.2 feet west of the west rail. A standard disk, stamped "C 10 1930," and set in concrete. (3.659 meters or 12.005 feet.)

SECOND ORDER LEVELING  
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BENCH MARKS  
IN  
THE VICINITY OF THE CUMBERLAND COUNTY LEVEL NET

RV.-115--Landisville, Atlantic County, N.J. About 0.1 mile northeast of Central Railroad Station at Landisville, on Central Railroad, at Mile Post 115; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 112.962 ft.

X-21--Landisville, Atlantic County, N.J. In footing for signal mast at Central Railroad Station, south of the track. A standard USC&GS disk, stamped X 21 1935, and set in concrete footing.

Elevation: 116.516 ft.

RV.-116--Minotola, Atlantic County, N.J. About 0.9 miles southwest of Central Railroad Station at Landisville, on Central Railroad, at Mile Post 116; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 116.791 ft.

RV.-117--Wheat Road, Atlantic County, N.J. About 1.9 miles southwest of Central Railroad Station at Landisville, on Central Railroad, at Mile Post 117; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 116.808 ft.

RV.-118--Landis Twp., Cumberland County, N.J. About 2.2 miles northeast of Central Railroad Station at Vineland, on Central Railroad, at Mile Post 118; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 96.653 ft.

RV.-119--Landis Twp., Cumberland County, N.J. About 1.2 miles northeast of Central Railroad Station at Vineland, on Central Railroad, at Mile Post 119; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 102.831 ft.

RV.-120--Vineland, Cumberland County, N.J. About 0.2 miles northeast of Central Railroad Station at Vineland, on Central Railroad, at Mile Post 120; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 104.350 ft.

Y-21--Vineland, Cumberland County, N.J. On Central Railroad at first crossing west of the station. In footing for electric alarm north side of track, power pole #471B. A standard USC&GS disk, stamped Y 21 1935, and set in concrete footing.

Elevation: 106.194 ft.

RV.-121--Vineland, Cumberland County, N.J. On Central Railroad, at Mile Post 121; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 81.962 ft.



Z-81--Vineland, Cumberland County, N.J. On Central Railroad at crossing of 47th Street in curbing of a drain, 50 feet north of the track. A standard USCG&S disk, stamped Z-81 1935, and set in concrete footing.  
Elevation: 86.079 ft.

RV.-122--Landis Twp., Cumberland County, N.J. About 1.8 miles west of Central Railroad Station at Vineland, on Central Railroad, at Mile Post 122; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 74.567 ft.

RV.-123--Norma, Salem County, N.J. About 2.8 miles west of Central Railroad Station at Vineland, on Central Railroad, at Mile Post 123; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 55.095 ft.

RV.-124--Norma, Salem County, N.J. About 3.0 miles east of Central Railroad Station at Rosenhayn on Central Railroad, at Mile Post 124; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 76.053 ft.

RV.-125--Norma, Salem County, N.J. About 2.0 miles east of Central Railroad Station at Rosenhayn, on Central Railroad, at Mile Post 125; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 70.016 ft.

RV.-126--"Rainbow Lake", Salem County, N.J. About 1.0 mile east of Central Railroad Station at Rosenhayn, on Central Railroad, at mile post 126; 45 feet north of track. A raised lug on base of mile post, set by the Central Railroad Company.  
Elevation: 106.591 ft.

P-20--Rosenhayn, Cumberland County, N.J. On Central Railroad at station. In door step to an entrance at south side. A standard USCG&S disk, stamped P 20 1936, set in concrete.  
Elevation: 109.033 ft.

RV.-127--Deerfield Twp., Cumberland County, N.J. About 1.0 miles west of Central Railroad Station at Rosenhayn, on Central Railroad, at Mile Post 127; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 115.958 ft.

RV.-128--Garton, Cumberland County, N.J. About 1.9 miles west of Central Railroad Station at Rosenhayn, on Central Railroad, at Mile Post 128; 45 feet north of track. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 99.773 ft.

RV.-129--Woodruff, Cumberland County, N.J. About 2.9 miles west of Central Railroad Station at Rosenhayn, along the Central Railroad track; 45 feet north of the track in the footing of mile post #129. A raised lug on base of mile post set by the Central Railroad Company.  
Elevation: 94.767 ft.

WHITING TO BRIDGETON, N.J.--RELEVELING.

8/9

NV.-130--Bridgeton Junction, Cumberland County, N.J. About 2.4 miles northeast of Court House at Bridgeton, on Central Railroad, at M.P. 150, 48 ft. north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 100.042 ft.

NV.-131--Bridgeton Junction, Cumberland County, N.J. About 2.4 miles northeast of Court House at Bridgeton, on Central Railroad, at M.P. 151, 48 ft. north of track. A raised lug on base of mile post set by the Central Railroad Company.

Elevation: 82.468 ft.

NV.-152--Bridgeton, Cumberland County, N.J. At New Jersey Power and Light Company on Central Railroad, at Mile Post 138, on north side of track. A raised lug on base casting of mile post set by the Central Railroad Company.

Elevation: 45.538 ft.

Q-80--Bridgeton, Cumberland County, N.J. About 1/3 mile north of Central Railroad water tank, 18 feet south of the track, in the southwest headwall of a culvert. A standard USC&GS disk, stamped Q-80 1935, and set in a concrete culvert headwall.

Elevation: 22.408 ft.

H-9--Bridgeton, Cumberland County, N.J. On the northeast corner of the Cumberland County Courthouse. A standard USC&GS disk, stamped H-9 1930, and set vertically.

Elevation: 47.877 ft.

J-9--Bridgeton, Cumberland County, N.J. On the southeast corner of the Bridgeton High School. A standard USC&GS disk, stamped J-9 1950, and set vertically in the brick wall.

Elevation: 50.515 ft.