

HACKENSACK

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NEW JERSEY

42
PATERSON QUADRANGLE

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

THIRD ORDER LEVELING

BERGEN, ESSEX, AND PASSAIC COUNTIES

By Edmund Garthe, 1934
Books B5098
Recopied: 7/13/53 kb

Sea Level Datum of 1929

FROM RAMPO QUADRANGLE NEAR HILLSDALE SOUTH AND EAST ALONG HIGHWAYS
ACROSS NORTHEAST CORNER OF QUADRANGLE INTO HARLEM QUADRANGLE

Westwood, S. of sta., on W. side of N.J. and N.Y. R.R.
arch bridge over brook, in SW. corner of N. wing wall,
2-ins. from end and 3.5 in. from edge of first step;
cross cut (G.S. of N.J. elev. 54.56, G.S. of N.J. tie
not used in adjustment) 54.63

Westwood, corner of Westwood and Center Avenues, in NE.
corner of E. end of stone doorsill of Westwood Avenue
entrance to First National Bank Bldg.; cross cut
(Note: Probably moved, town Engineer does not use this
b.m. because of alterations on building (G.S. of N.J.
tie not used in adjustment) 74.81

Westwood, Westwood Trust Co. Bldg., on SE. corner of
Westwood Avenue, and Broadway adjacent to Erie R.R.
tracks, 2 ft. from front edge and at W. end of large
granite doorsill; standard tablet stamped "G 3 1934" 75.047
DESTROYED
1955

Westwood, 1 mi. E. of, at Rivervale School No. 1, 30 ft.
S. of center line of Westwood Avenue, at W. end of
school property, 10 ft. from N. end of concrete retaining
wall; square cut 54.22

Rivervale, 1 mi. S. of, 1.5 mi. E. of Westwood, 40 ft.
S. of intersection of Westwood Avenue and Rivervale
rd., on W. concrete curb of Rivervale rd.; square
cut painted 56.44

Reference mark, 120 ft. NW. of T.B.M., 90 ft. W. of
rd. intersection, 27 ft. N. of center line of Westwood
Avenue, on concrete curb; square cut 57.09

JOG FROM HARLEM QUADRANGLE IN NORTHEAST PORTION OF
QUADRANGLE (by Edmund Garthe, 1934; Book B5099)

Harrington Park, 1 mi. W. of, 0.1 mi. E. of Linwood
Avenue, 100 ft. SW. of Musquapasink Brook, on N. side

PATERSON QUADRANGLE

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FROM DUMONT IN HARLEM QUADRANGLE ALONG HIGHWAYS WEST TO NEW MILFORD, THENCE GENERALLY SOUTHWEST TO ARCOLA, THENCE NORTHWEST AND SOUTH BY WAY OF RADBURN TO WARREN POINT (by Edmund Garthe, 1934; Book B5099)

- New Milford, 700 ft. W. of boundary between Dumont on E. and New Milford on W., 36 ft. W. of dirt rd. S., on S. side of Madison Avenue, on curb at Catch Basin; square cut painted 47.79
- New Milford, at Junior High School, 830 ft. N. of Madison Avenue, 150 ft. W. of center line of River Road., at SE. corner of entrance to N. section of building, close to most southerly of 4 pillars; standard tablet stamped "G 11 1934" 31.028
- Reference mark, 340 ft. S. of tablet, 500 ft. N. of Madison Avenue, on E. side of River Road., on curb; square cut painted 25.67
- River Edge, 300 ft. E. of depot, at E. end of drawbridge over Hackensack River, in NW. corner of shelf, 2.6 ft. below top of W. end of N. wing wall of E. abutment, 2.2 ft. above retaining wall along river; cross cut 7.9
NOTE: Surface destroyed, no longer suitable as B.M. probably good to a tenth of a foot G.S. of N.J. tie not used in adjustment)
- River Edge, at NE. corner of intersection of Kinderkamack Road and Lincoln Avenue, 40 ft. N. of center line of Lincoln Avenue and 24 ft. E. of center line of Kinderkamack Road, on concrete curb; square cut painted 76.80
- River Edge, 1 mi. W. of, on N. side of Midland Avenue, on SE. corner of concrete culvert; square cut painted 62.07
- River Edge, 2 mi. W. of, 150 ft. S. of center line of Midland Avenue, 40 ft. E. of center line of Fairview Avenue, 40 ft. E. of center line of Fairview Avenue; square cut painted on stone 127.92
- Fairview, (1.5 mi. NE. of Arcola), on W. side of Fairview Avenue, front center entrance to Fairview School, on concrete sill, 3.5 ft. from N. end and 1.6 ft. from front edge; standard tablet stamped "G 12 1934" 130.885
- Reference mark, 90 ft. E. of tablet, opposite Fairview School, 15 ft. E. of center line of Fairview Avenue, on E. concrete curb; square cut painted 125.77

PARTESON QUADRANGLE

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Arcola, 1 mi. E. of, 500 ft. E. of clover leaf intersection of Route 4 and Route 2, on N. side of Route 4, 400 ft. W. of Fairview Avenue bridge over Route 4, on concrete curb; square cut painted	59.85
Arcola, U.S.C. & G.S. b.m. "N-12 1933"	58.350
Reference mark, 190 ft. E. of tablet, at NW. corner of intersection of State Highway 4 and Paramus Road, on concrete curb; chiseled square	52.77
Arcola, 1 mi. N. of, 23 ft. E. of center line of Paramus Road., 60 ft. E. of Saddle River, on stone in lawn in front of house at nursery; square cut painted	55.75
Fairlawn, 1 mi. E. of, 200 ft. W. of intersection of Fairlawn Avenue and Saddle River Rd., 25 ft. N. of center line of Fairlawn Avenue, at corner of heavy wire fence, on concrete post; square cut	61.23
Radburn, at Radburn Plaza building, on NE. corner of Fairlawn Avenue and Plaza Road N., in alcove at front center entrance which faces W., 8 ft. inside of W. building face, 0.5 ft. from inside wall; standard tablet stamped "G 13 1934"	89.639
Reference mark, 120 ft. S. of tablet, 85 ft. NE. of Fairlawn Avenue, 31 ft. E. of center line of Plaza Road., on concrete curb; square cut	87.27
Radburn, 1 mi. S. of, 0.2 mi. N. of Warren Point, 43 ft. W. of center line of Plaza Rd., 0.2 mi. N. of Highway 4, in top of concrete post; 1933 Fairlawn Plaza Rd. tablet	81.622
FROM WARREN POINT, SOUTH ALONG HIGHWAY TO GARFIELD (Unadjusted line treated as a spur from USCGS B.M. "P 12 1933" at Warren Point. Ties to G.S. of N.J. B.M.'s. at Garfield; considered not satisfactory)	
Warren Point, 0.5 mi. S. of, 25 ft. E. of center line of Midland Avenue, 800 ft. E. of Erie R.R. tracks, on concrete culvert; square cut	55.83
Passaic Junction, 0.5 mi. N. of, 200 ft. W. of junction of Midland Avenue and Van Riper Avenue, on S. concrete wingwall, at E. end of overpass of Erie R.R. over Van Riper Avenue, 1 ft. from N. and E. edges, 4 ft. above ground; standard tablet stamped "G 14 1934"	48.472

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Reference mark, 220 ft. E. of tablet, 25 ft. NE. of junction of Midland Avenue and Van Riper Avenue, on culvert 250 ft. E. of Erie R.R.; old cross cut	44.80
Garfield, at junction of Midland and Madeline Avenue, on SW. concrete curb, 15 ft. from center line of Midland Avenue and 15 ft. from center line of Madeline Avenue; square cut painted	53.72
Garfield, 45 ft. SW. of Midland Avenue and Beech Street, Road fork W., on concrete curb; square cut painted	36.21
Garfield, in NW. corner of highest step of W. end of S. abutment of bridge which carries short cut of Erie R.R. over Passaic Avenue, S. end of bridge truss resets upon this step; cross cut (N.J.G.S. elev. 34.26; N.J. G.S. tie not used in adjustment)	34.20
Garfield, at First National Bank Bldg. at the intersection of Midland Avenue and Passaic Street, 100 ft. W. of center line of Midland Avenue and 36 ft. N. of center line of Passaic Street, 150 ft. E. of Erie R.R., on limestone sill, 1 ft. from W. edge and 3=in. from S. face of building; standard tablet stamped "G 15 1934"	32.789
Garfield, in E. end of coping stone of N. wing wall of E. abutment of Passaic Avenue bridge over Passaic River, (this point is outside of handrail 0.32 ft. from edge, 3.5 ft. from E. wing wall and 12.85 ft. from N. end of E. abutment) N.J. G.S. elev. 12.96, tie not used in adjustment) (Note: Hand rail broken away at this point)	12.79
FROM HARLEM QUADRANGLE EAST OF WEST ENGLEWOOD SOUTHWEST ALONG HIGHWAY THROUGH TEANECK TO POINT ABOUT 1 MILE NORTH-EAST OF RIDGEFIELD PARK, THENCE NORTHWEST TO HACKENSACK	
Teaneck, 1 mi. NE. of Municipal Bldg. at, at NE. corner of intersection of Teaneck Rd. and Franklin Road., 11 ft. N. of center line of Franklin rd., 23 ft. E. of center line of Teaneck Road, on concrete curb; square cut painted	107.71
Teaneck at Municipal Building, 300 ft. N. of intersection of Cedar Lane and Teaneck Road, on W. side of Teaneck Road, on concrete sill of front entrance to building, 1.9 ft. from NE. edge and 0.5 ft. from edge of base of column; standard tablet stamped "G 17 1934"	74.001
Reference mark, 15 ft. from center line of Golf Court and 64 ft. from center line of Teaneck Road., on SE. corner of concrete curb; old cross cut painted	62.04

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- Teaneck, 1.1 mi. SW. of Municipal Building at, 27 ft. SW. of intersection of Teaneck Road. and Fort Lee Road, on concrete curb; square cut painted 56.34
- Bogota, 40 ft. SW. of junction of Orchard Terrance and Road fork N., on S. side of W. Fort Lee Road, 400 ft. E. of W. Shore R.R. tracks; square cut, painted on concrete curb 34.23
- Hackensack, in W. end of doorsill of main front door of First Reformed Church on Court Street; cross cut (N.J.G.S. elev. 12.50, N.J.G.S. tie not used in adjustment) 12.63
- Hackensack, at most easterly of three front entrances to Gergen County Courthouse, in SE. corner of E. end of doorsill (2.15 ft. from outer edge, 0.35 ft. from E. side of doorway and 0.13 ft. from bronze door saddle); cross cut
Note: G.S. of N.J. elev. 19.86, tie not used in adjustment) 19.96
- JOG FROM RAMPO QUADRANGLE AT HOHOKUS (by Edmund Garthe, 1934; Book B5098
- Hohokus, on E. side of Saddle River Road, 500 ft. N. of intersection with Franklin Turnpike (N.J. Hwy. 2), at S. end of first step below sill at entrance of Public School building; standard tablet stamped "G 1 1934" DESTROYED 1955 126.579
- Reference mark, 1300 ft. N. of tablet, at intersection of Hollywood Avenue with Saddle River Road, 25 ft. N. and 33 ft. E. of, on curb; square cut 125.98
- FROM POINT ABOUT 1.0 MILE NORTHWEST OF LITTLE FALLS ALONG ROADS NORTH TO THE NORTHWEST CORNER OF THE QUADRANGLE, THENCE SOUTHEAST TO NORTH VALEDON, THENCE NORTHEAST TO WORTENDYKE (by C.S. Wells, 1937; Book B7361)
- C. & G.S., standard disc stamped "PBM 186.4" 186.463
- Little Falls, 2.0 mi. NW. of, 800 ft. NW. of intersection of Valley Drive and Mountain Avenue, 40 ft. W. of T-rd. to W., on N. side of rd., in root of 24-in. elm tree; copper nail and washer, painted on elm tree "BM 185.7" 185.72

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(Cont'd. P. 6)

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- Little Falls, 3.0 mi. NW. of, 50 ft. SE. of intersection of Mountain Road, and Alps Road, 4 ft. E. of E. edge of macadam rd., 0.5 ft. under ground, in concrete post, a New Jersey Department Conservation and Development tablet stamped "1594", painted on telephone pole "PBM 410.6" *Not Found 1955 Brackett* 410.684
- Reference mark, 40 ft. SW. of tablet 1594, in N. angle of the triangle formed by the Mountain Road and Prospect Ave., in root of 48-in. elm tree; copper nail and washer 411.85
- Little Falls, 4.0 mi. NW. of, on Packanack Mountain, 80 ft. SE. of intersection of Alps Road and Summit Avenue, on top of large ledge outcrop; chiseled square, painted on telephone pole "BM 400.5" 400.53
- Little Falls, 5.0 mi. NW. of, 35 ft. SW. of intersection of Alps Road and Paterson-Hamburg turnpike, on top of concrete curbstone; chiseled square, painted on telephone poles "BM 377.2" 377.23
- Preakness, 3.5 mi. NW. of, 1.0 mi. N. of intersection of Alps Road and Paterson-Hamburg turnpike, on E. side of road., on top of concrete headwall over culvert; chiseled square, painted on guard rail "BM 370.3" 370.31
- Oakland, 2.7 mi. SE. of, 7.5 mi. NW. of Little Falls, 100 ft. NW. of T-rd. forks to W., on the S. bank of small stream, in a large embedded boulder; standard tablet stamped "W 1 1937 388", painted on telephone pole "PBM 388.1" *Good 1955 W.E. Brackett* 388.162
- Reference mark, 130 ft. NE. of tablet, 110 ft. N. of Road forks, on N. side of highway, in root of 48-in. oak tree; copper nail and washer, painted on oak tree "RM 392.5" 392.52
- Oakland, 1.9 mi. SE. of, 150 ft. N. of "Wayne Township Line Marker", on E. side of rd., on top of head wall over drain; chiseled cross, painted on fence post "BM 533.7" 533.75
- Oakland, 1.0 mi. SE. of, 400 ft. NW. of Lily Pond, 50 ft. SW. of rd. forks, on top of head wall of catch basin; chiseled square, painted on a stone "BM 437.7" 437.70

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- Franklin Lake, 1.0 mi. NW. of, 52.2 ft. S. 58° 06' W. of spiked intersection of Franklin Lake Road and Colonial Road, (T-rd. NE.) 1.0 ft. W. of a row of maple trees on W. side of a private driveway, in top of a concrete post; standard tablet stamped "TT 7 G 1934 453", painted on mail box post "PBM 453.2" 453.220
- Reference mark, 180 ft. E. of tablet, on S. side of rd., in root of 24-in. maple tree; copper nail and washer, painted on maple tree "RM 453.5" 453.55
- Franklin Lake, 0.5 mi. E. of, 65 ft. NW. of crossroads, on curb, in front of John Meyer Service Station; chiseled square, painted on telephone pole "BM 418.9" 418.96
- Franklin Lake, 1.6 mi. SE. of, 260 ft. NE. of intersection of Ewing Avenue and High Mountain Avenue, W. side of rd., on stone head wall of bridge over stream; chiseled square, painted on telephone pole "BM 433.0" 433.07
- North Haledon, 60 ft. W. and 22 ft. of acutal intersection of Belmont Avenue, and Sicomac Road, 26.84 ft. E. and 30.52 ft. N. from arrows cut on rocks, in stone on bank; standard tablet stamped "TT 6 G 1934 387", painted on telephone pole "PBM 387.5" DESTROYED 1955 387.501 *Not Found 1955 Brackett*
- Reference mark, 100 ft. SE. of tablet, on W. end of concrete bridge rail; chiseled square, painted on bridge rail "RM 373.3" 373.29
- Van Winkle, 2.0 mi. NW. of, 1.0 mi. SE. of Sicomac, 200 ft. SE. of rd. forks, on top of a large boulder; N. side of highway; chiseled square, painted on telephone pole "BM 391.4" 391.44
- Wortendyke, 0.7 mi. SW. of, 40 ft. NE. of crossroads, on a concrete curbing; chiseled cut, painted on telephone pole "BM 350.2" 350.15
- Wortendyke, 150 ft. W. of NY.S. & W. R.R. station at, 292 ft. SW. of S. rail of single track, measured perpendicularly to track, 20.01 ft. E. of cross cut in bolt head of switch device, on S. corner of concrete block, formerly used as a base for semaphore signal, painted on telephone pole "PBM 271.6" DESTROYED 1955 271.615 *Not Found 1955 W.E. Brackett*
- Reference mark, 170 ft. NE. of tablet, 25 ft. SE. of a cannon mounted on brick platform, on curbstone; chiseled cut, painted on curbstone "RM 271.5" 271.58

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(Cont'd. P. 8)

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Wyckoff, on NE. corner of doorsill of Reformed Church,
(In Ramsey Quadrangle) (See Report of Dept. of C.&D.
of State of N.J., Bull. 17, list page 27 +.08 ft.) 356.76

FROM NORTH HALEDON SOUTH ALONG BELMONT AVENUE TO THE CITY
HALL, PATERSON (by C.S. Wells, 1937; Book B7361)

North Haledon, 1.0 mi. SE. of intersection of Belmont
Avenue and Sicomac Road, 30 ft. SE. of intersection
of Belmont Avenue and Squaw Brook Road, on concrete
curb; chiseled square, painted on telephone pole
"BM 369.9" 369.97

Paterson, 2.25 mi. NW. of city hall, 60 ft. NW. of inter-
section of Belmont Avenue and Buschmann Avenue, on the
curbstone at the mouth of a sewer; chiseled square,
painted on telephone pole "BM 205.1" 205.11

Paterson, 1.25 mi. NW. of, on Clinton Street, at the
Interboro Laundry, 870 ft. E. of Clinton Street and
Belmont Avenue, 20 ft. W. of SW. corner of laundry,
on top of a retaining wall at E. end of bridge over
creek; chiseled square, painted on telephone pole
"BM 150.8" 150.84

Paterson, Passaic County, in front of the city hall, and
on the NW. side of the main entrance, 1 ft. SE. of
NW. door jamb; chiseled cross (tied by USC&GS) 88.730