

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

40-075-42
ALBERTIS QUADRANGLE
94 PENNSYLVANIA
N4030-W7530/15
DIAGRAM NK18-11
NEWARK

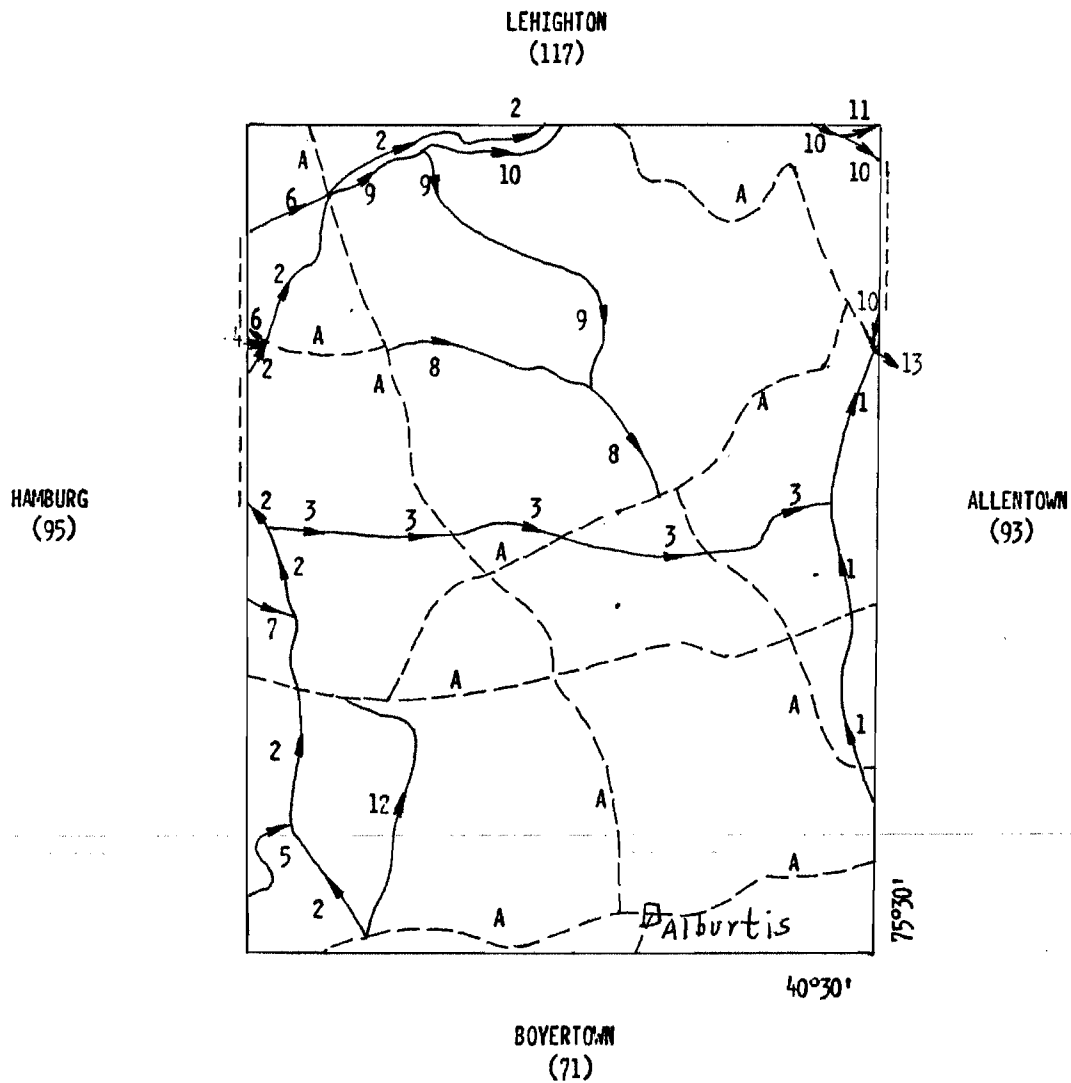
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Berks, Lehigh and Northampton Counties

Final adjustment of 1971

Edition of 6/2/77

PR: GWK/jyk



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 400754

ALBURTIS QUADRANGLE

N4030-W7530/15
94 PENNSYLVANIA

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ALBURTIS	PENNSYLVANIA	B. E. White, 1900 H. M. Gillman, 1908
Books 8169 and A 7537		
ISOLATED BENCH MARKS (By B. E. White, 1900; H. M. Gillman, 1908; Books 8169 and A 7537)		<u>Feet</u>
Fogelsville; at German Reformed Church; in SW. corner of foundation, under cornerstone; standard tablet stamped "1900 HARRISBURG 514"		514.435
Kutztown; at Keystone State Normal School; in W. face on N. side of main entrance to building; 2.5 ft above ground level; standard tablet stamped "1908 514" (Reported not found, 1946)		513.730
Best; 0.1 mi NE. of station; at W. abutment of small RR. bridge; in N. end of bridge seat; standard tablet stamped "1900 HARRISBURG 548" (Reported not found, 1957)		548.368
Rockdale; 250 ft N. of station; at SE. corner of water tank of Lehigh Valley Railroad; in foundation stone under pillar; standard tablet stamped "1900 HARRISBURG 354"		353.825
New Tripoli; 0.5 mi E. of station, along Reading Railroad; about 0.2 mi NW. of intersection of State Highway 143 and 29; in S. face at SW. corner of barn; 29.3 ft E. of centerline of rd. leading N. to tracks; 4.5 ft N. of centerline of rd. into barn lot; 4.5 ft above ground level; standard tablet stamped "1900 HARRISBURG 573"		573.408
Allentown; at Hamilton Street Bridge over Cedar Creek; in top of NW. wingwall; Pennsylvania Department of Highways standard disk stamped "275"		275.001

LINE 1.

M. A. Roudabush, 1933; Book B 4861		
Allentown; at Muhlenburg College; at W. entrance door of Administration Building; in SE. corner of concrete block; standard tablet stamped "1 MR 1933 392"		391.762
Seiple, 1.2 mi NE. of; 0.13 mi N. of Mickleys Corner; on State Highway 329; at crossing of Philadelphia and Reading Railway; in W. end of N. bridge seat; standard tablet stamped "2 MR 1933 371" (Reported destroyed, 1957)		371.022
Cementon; at new steel hwy. bridge over Lehigh River; in S. end of W. abutment; PDH standard disk not stamped		307.122
Siegfried; at new steel hwy. bridge over Lehigh River; in N. end of E. abutment; PDH standard disk stamped "316"		316.565

LINE 2.

R. G. Clinite, 1936; Book B 6737		
Monterey, 0.6 mi SW. of; at intersection of U. S. Highway 222 and NW.-SE. macadam hwy.; 180 ft N. of hwy.; 22 ft E. of centerline of NW.-SE. hwy.; 4 ft SE. of powerline pole; 2 ft N. of wire fence; 3 ft higher than finished surface of hwy.; in concrete post; standard tablet stamped "1 C 1936 520"		520.254

1936

LINE 2 (Cont'd.)Feet

Seiberlingville; 0.2 mi N. of crossroads; on E. side of improved hwy. at St. Paul's Church, 1857; on S. side of front entrance, in W. face of concrete base of chimney; standard tablet stamped "2 C 1936 814" (Reported not found, 1954)	814.103
Werleys Corner, 0.8 mi W. of; 1.2 mi SE. of Lynnville; on N. side of concrete hwy. at station 271+60; in top of NE. wingwall; PDH standard disk not stamped	621.395
New Tripoli, 0.4 mi E. of; on N. side of State Highway 143; at NE. corner of concrete box type culvert; PDH standard disk not stamped	561.517
New Tripoli, 0.5 mi E. of; on N. side of State Highway 143; 0.10 mi E. of junction of State Highway 29; at NE. corner of concrete box type culvert; PDH standard disk not stamped	560.675
Lehigh Furnace; 140 ft E. of hwy. intersection at SW. corner of 25-ft span concrete hwy. bridge; in top of wingwall; PDH standard disk stamped "USGS RGC 1936"	578.561
Lehigh Furnace; 70 ft W. of hwy. intersection at SW. corner of 6-ft span box type concrete culvert; in top of wingwall; PDH standard disk stamped "USGS RGC 1936 576"	575.495
Slatedale; 370 ft E. of post office; 1.8 mi E. of Lehigh Furnace; 50 ft SE. of SE. corner of small frame church; 25 ft N. of centerline of hwy.; 10 ft N. of N. parapet of small bridge; 0.5 ft higher than level of street; standard tablet stamped "8 C 1936 501"	500.839

LINE 3.

R. G. Clinite, 1936; Book B 6737

Lyon Valley; on State Highway 100; 400 ft SW. of old abandoned hotel; 40 ft S. and 40 ft W. of crossroads; at concrete arch culvert over Lyon Creek; 8 ft lower than hwy.; in W. coping, 2 ft N. of S. end; standard tablet stamped "4 C 1936 474"	474.065
Weidasville, 0.8 mi NE. of; at Kneer Farm; on Lyon Valley-Schnecksville Highway; 350 ft NW. of forks of dirt rd. SE.; 50 ft SW. of hwy.; 4 ft above ground; 2 ft SW. of E. corner of, and in SE. face of barn foundation; standard tablet stamped "5 C 1936 448"	447.868
Kernsville; opposite SE. corner of Kerns old mill; 1.0 mi W. of Siegersville; at 130-ft span steel truss bridge over Jordon Creek; 18 ft S. of centerline of hwy.; about level with pavement; in S. wingwall of E. abutment; standard tablet stamped "6 C 1936 363"	363.188
Siegersville, 2.4 mi SE. of, along rds.; 0.2 mi W. of Jordon Bridge; at three-arch concrete viaduct of Catasauga and Fogelsville Branch of Reading Company Railroad over hwy. and Jordon Creek; 35 ft NE. of centerline of hwy.; 4 ft NW. of corner; 14 ft SE. of NW. end of partition wall; in offset at W. portals between hwy. and river; standard tablet stamped "7 C 1936 333"	333.252

1936

LINE 4.Feet

R. G. Clinite, 1936; Book B 6737

There are no permanent marks on this line in this quadrangle.

LINE 5.

E. O. Miner, 1946; Book V 278

Monterey, 1.4 mi SW. of, along U. S. Highway 222, thence 1.2 mi SE. and SW. of, along country lane; 2.1 mi E. of Kutztown along rds.; 0.2 mi SW. of crossing of R. C. RR. and country lane; 120 ft NE. along lane of junction of NW.-SE. rd.; at fenceline on NW. side of lane; in concrete post; standard tablet stamped "TT 8 GDF 1946 428"

427.598

Reference mark; 110 ft SW. of tablet; in root on N. side of 48-in. oak tree; copper nail and washer

429.65

U.E., Kutztown; 1.6 mi E. of post office, along U. S. Highway 222; 460 ft S. of junction of lane; 60 ft E. of centerline of lane; in root on W. side of 36-in. ash tree; copper nail and washer

533.51

"I C 1936 520" (Described in line 2)

520.254

LINE 6.

E. O. Miner, 1946; Book V 278

"G 190 RESET 1977" (NGS)

568.112

U.E., New Tripoli, 0.5 mi E. of, to junction of State Highways 143 and 29, thence 1.0 mi NW. along Highway 29; 25 ft E. of centerline of hwy.; on headwall of concrete culvert; chiseled square

699.05

New Tripoli, 4.0 mi NE. of, along hwy.; 1.1 mi N. of Germans Corner; 40 ft E. of junction of macadam rd. S. to Germans Corners; in NW. abutment of concrete bridge; PDH standard disk stamped "704"

703.713

Germans Corners, 1.1 mi N. of, thence 0.1 mi E.; 460 ft E. of junction of rd. S.; in SW. abutment of concrete bridge; PDH standard disk stamped "704"

703.652

Germans Corners, 1.1 mi N. of, thence 0.4 mi NE.; at junction of rd. N.; 35 ft N. and 11 ft E. of centerline of macadam rd. at centerline of rd. approach; on edge of side at approach; in concrete post; standard tablet stamped "TT 9 GDF 1946 740"

739.697

Germans Corners, 1.1 mi N. of, thence 0.6 mi NE.; 0.18 mi NE. of junction of rd. N.; in SW. abutment of concrete bridge; PDH standard disk stamped "713"

713.400

"R 191 1942" (NGS)

664.795

LINE 7.Feet

E. O. Miner, 1946; Book V 278

There are no permanent marks on this line in this quadrangle.

LINE 8.

W. H. Clarkson, 1962; Book AV 922

12 23	0.00	Pleasant Corners, 0.6 mi S. of, along U. S. Highway 309; in NE. corner of public rd. crossing; 73 ft N. of centerline of rd. NE.; 16 ft E. of, and level with centerline of hwy. in E. corner of S. abutment of bridge; PDH standard disk stamped "M 190 1942" (Tied by NGS)	563.339
12 23	0.63	Pleasant Corners; on SW. edge of town, along U. S. Highway 309; 14 ft NW. of centerline of hwy.; 16 ft SE. of E. corner of service station; in NW. curbing at NE. end of concrete bridge at service station; PDH standard disk stamped "K 190 1942" (Tied by NGS, 1943)	563.122
12 25	1.86	Pleasant Corners, 1.2 mi E. of; at Leahurst Farm; 13 ft S. of centerline of U. S. Highway 309; in headwall of concrete culvert; standard tablet stamped "105 WHC 1962 664"	663.496
12 28	3.25	Pleasant Corners, 2.6 mi E. of; 20 ft N. of centerline of U. S. Highway 309; in NE. abutment of concrete bridge; PDH standard disk stamped "106 WHC 1962 USGS"	540.050
12 29	3.61	Pleasant Corners, 3.0 mi E. of; 1.7 mi W. of Schnecksville; 20 ft N. of centerline of U. S. Highway 309; in NE. abutment of concrete bridge; PDH standard disk stamped "107 WHC 1962 USGS"	497.354
12 30	4.24	U.E., 20 ft N. of centerline of rd.; on NW. abutment of bridge; chiseled square	541.19
12 32	5.31	Schnecksville; 155 ft N. of junction of State Highway 29 and Y-rd. NW.; 65 ft NE. of centerline of Highway 29; in corner of concrete entrance sidewalk; standard tablet stamped "108 WHC 1962 682"	682.232
12 35	6.79	Schnecksville, 1.5 mi S. of; 1.6 mi N. of Orefield; 50 ft SE. of, and about level with intersection of Legislative Route 163 and 39049; standard tablet stamped "109 WHC 1962 RESET 1977"	640.893
12 38	8.47	"P 179 1942" (NGS)	454.238

LINE 9.

W. H. Clarkson, 1962; Book AV 922

12 41	0.00	Germanville; 2.3 mi NW. of post office, along county rd.; about 0.1 mi SW. of store of George Hank; 300 ft W. of crossroad; 15 ft S. of centerline of rd.; in S. corner of W. abutment of concrete bridge; PDH standard disk stamped "R. 191 1942" (Tied by NGS)	664.795
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664.795

1962

LINE 9 (Cont'd.)Feet

12	43	1.71	U.E., 15 ft S. of, and 1 ft higher than centerline of rd.; on headwall of stone culvert; chiseled square	720.96
12	44	2.33	"USGS RGC 1936" (PDH) (Described in line 2)	578.561
12	45	2.37	"USGS RGC 1936 576" (PDH) (Described in line 2)	575.495
12	51	5.31	Schnecksville, 4.4 mi NW. of; 23 ft S. and 30 ft E. of, and 2 ft higher than I-rd. E.; in retaining wall of concrete culvert; standard tablet stamped "110 WHC 1962 630"	629.672
12	56	7.60	Schnecksville, 2.1 mi N. of; 25 ft N. of "Village of Heffs" sign; at N. end of village; 33 ft N. of junction of State Highway 29 and I-rd. NE.; in headwall of concrete culvert; standard tablet stamped "111 WHC 1962 706"	705.637
12	60	9.67	"108 WHC 1962 682" (Described in line 8)	682.232

LINE 10.

W. H. Clarkson, 1962; Book AV 922

12	62	0.00	"USGS RGC 1936" (Described in line 2) (PDH)	578.561
12	64	1.65	"8 C 1936 501" (Described in line 2)	500.839
12	68	3.69	Lehigh Furnace, 3.7 mi NE. of; 2.1 mi W. of Slatington; 15 ft S. of, and 4 ft higher than centerline of rd.; set vertically in W. end of S. wall of overpass; standard tablet stamped "112 WHC 1962 583"	582.744

[Jogs into Lehighton quadrangle]

13	16	5.65	Pennsville, 0.5 mi W. of; 15 ft N. of centerline of State Highway 45; in NE. wingwall of concrete bridge; PDH standard disk stamped "115 WHC 1962 USGS"	503.772
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[Jogs into Allentown quadrangle]

13	26	11.09	"316" (Described in line 1)	316.565
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LINE 11.

W. H. Clarkson, 1962; Book AV 922

There are no permanent marks on this line in this quadrangle.

LINE 12.

W. H. Clarkson, 1962; Book AV 922

12	6	0.00	"P 12 1932" (NGS)	483.385
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LINE 12 (Cont'd.)

Feet

12	8	1.98	Topton, 2.0 mi N. of; 18 ft E. of crossroads; in headwall of concrete culvert; standard tablet stamped "102 WHC 1962 469"	469.178
12	12	3.92	Reference mark; 64 ft S. of tablet; on E. end of concrete headwall of culvert; chiseled square	458.52
12	12	3.92	Topton, 3.9 mi N. of; 35 ft N. and 17 ft E. of junction of U. S. Highway 222 and N.-S. crossroad; in headwall of concrete culvert; standard tablet stamped "103 WHC 1962 459" (Destroyed, 9/2/81)	458.964
12	15	5.48	U.E., 18 ft W. of centerline of rd.; on headwall of concrete culvert; chiseled square	592.39
12	16	5.86	Topton, 5.9 mi N. of; 3.1 mi E. of New Smithville; 32 ft N. and 12 ft W. of, and 1 ft higher than crossroad; in retaining wall of concrete culvert; standard tablet stamped "104 WHC 1962 671"	670.666
12	19	7.00	New Smithville; about 1.0 mi E. of post office, along old U. S. Highway 22, thence 0.8 mi E. along new U. S. Highway 22; at 200-ft bridge over Highway 22; 14 ft E. of, and 3 ft higher than center of bridge floor; 2 ft N. of S. end of, and in concrete guardrail; PDH standard disk stamped "E 260"	751.524
12	21	8.05	New Smithville; about 1.0 mi E. of post office, along old U. S. Highway 22 at New Smithville Interchange; at overpass of County Road 39066; 66 ft SE. of intersection of county rd. and connecting rd.; 60 ft N. of N. end of bridge; 55 ft E. of centerline of county rd.; 5 ft E. of guardrail; in concrete post; NGS standard triangulation station disk stamped "LYNN 1960"	707.873 707.873

LINE 13.

W. H. Clarkson, 1962; Book AV 922

13	29	0.00	"NORTHAMPTON 1934" (NGS)	316.577
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