

THIRD-ORDER HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

OFFICE COPY HOLD

40-075-11
DELAWARE WATER GAP QUADRANGLE
115 PA.-46 N.J.
N4045-W7500/15
DIAGRAM NK 18-11
NEWARK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Monroe and Northampton Counties, Pa.;
Warren County, N.J.

Only the permanent marks are
listed for lines run more
than 25 years before edition
date and are not shown on
sketch

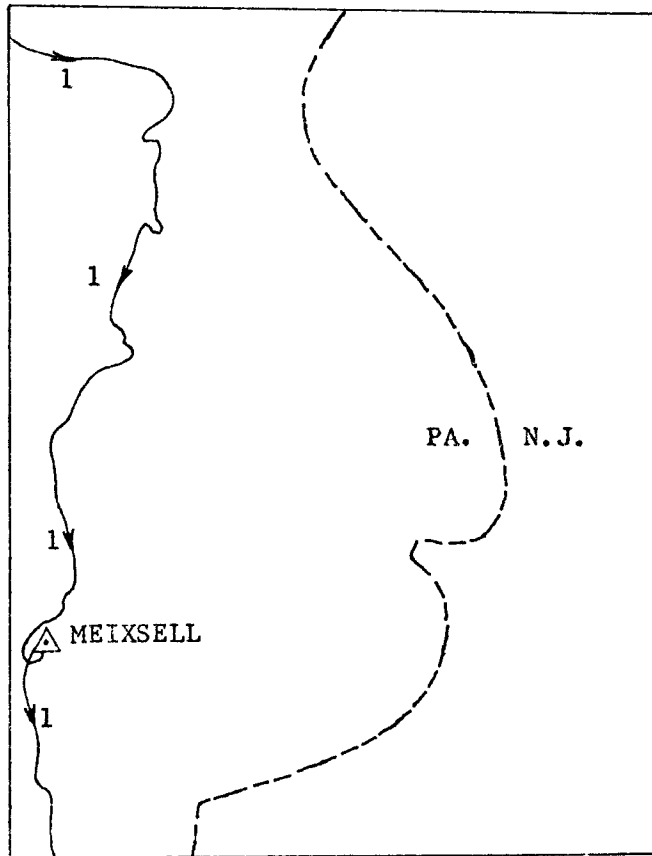
Final adjustment of 1975

Edition of 1/29/75

PR: GWK/sws

Plane coordinates are based on
Lambert projection, Pennsylvania,
South and North Zones

BUSHKILL
(139 PA.-52 N.J.)



WIND GAP
(116 PA.)

HACKETTSTOWN
(45 N.J.)

Pa. S.)
X = 2,692,592
Y = 222,532

Pa. N.)
X = 2,692,624
Y = 222,532

EASTON
(92 PA.-40 N.J.)

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

<u>MARKS (USGS)</u>	<u>PAGE NO.</u>	<u>LINE NO.</u>	<u>STA. NO.</u>
TT 15 T 1931	3		
C 15 139 1936	6	1	222
TT 27 EFB 1957	3	1	123
TT 29 EFB 1957	4	1	163
TT 30 EFB 1957	6	1	256
TT 31 EFB 1957	7	1	284
TT 32 EFB 1957	8	1	332
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<u>PDH</u>			
USGS 28 EFB 1957	4	1	140
<u>NGS</u>			
MEIXSELL 1942	7	1	309

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE			LONGITUDE		
		°	'	"	°	'	"

Obsolete control established more than 25 years prior to edition date. To be used only to locate permanent marks in the field.

By C. A. Turner, 1931; Book D 32

East Stroudsburg, 1.4 mi SE. of, on U.S. Highway 611; 230 ft E. of crossroads; 48 ft E. of Kathryn Kingeter's refreshment stand; crossroads at Smith and East Brown Streets; 70 ft S. of rd.; in rock outcrop; standard tablet stamped "TT 15 T 1931" (Not found, 1955)

Pa. N.)	X = 2,712,818	Y = 312,508	40 59 42.82	75 10 02.90
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LINE 1.

By E. F. Burzynski, 1957; Book AH 476

115+. Centerline of rd. at drain crossing

	X = 2,690,870	Y = 311,218	40 59 36.44	75 14 49.48
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123. Stroudsburg, 1.9 mi NW., along U.S. Highway 611 from Hotel Penn Stroud; 28 ft N. and 3 ft W. and about 1 ft lower than T-rd. S.; 56 ft E. of power pole B-18045; in W. end of concrete headwall; standard tablet stamped "TT 27 EFB 1957"

	X = 2,696,837	Y = 309,071	40 59 13.53	75 13 32.52
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123a. Centerline of rd. at rd. S.

	X = 2,696,840	Y = 309,043	40 59 13.25	75 13 32.49
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124+. Centerline of rd. over drain crossing

	X = 2,697,757	Y = 309,398	40 59 16.49	75 13 20.40
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128+. Centerline of rd. over drain crossing

	X = 2,700,707	Y = 309,949	40 59 21.08	75 12 41.74
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129+. Centerline of rd. at Boro Line crossing

	X = 2,701,809	Y = 309,299	40 59 14.34	75 12 27.63
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132a. Centerline of rd. at rd. NE.

	X = 2,701,809	Y = 309,299	40 59 14.34	75 12 27.63
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
<u>LINE 1 (Cont'd.)</u>			
139a.	Center of bridge over Pocono Creek		
	X = 2,706,479 Y = 308,762	40 59 07.68	75 11 26.97
140.	Stroudsburg; Fifth Street (State Highway 90) bridge over Pocono Creek; in headwall at S. end of E. span; PDH standard disk stamped "USGS 28 EFB 1957"		
	X = 2,706,506 Y = 308,698	40 59 07.04	75 11 26.64
144a.	Centerline of crossroads		
	X = 2,707,337 Y = 306,206	40 58 42.18	75 11 16.77
147+.	Centerline of rd. at Boro Line crossing		
	X = 2,706,671 Y = 305,396	40 58 34.38	75 11 25.76
156+.	Centerline of rd. at drain crossing		
	X = 2,706,147 Y = 302,958	40 58 10.45	75 11 33.53
161a.	Centerline of rd. at rd. S.		
	X = 2,704,886 Y = 300,982	40 57 51.30	75 11 50.72
163.	Stroudsburg, 0.3 mi E. along U.S. Highway 209 from Hotel Penn Stroud, thence 2.3 mi S., along State Highway 90; in N. end of E. wall of bridge over Cherry Creek; about 2 ft higher than rd.; standard tablet stamped "TT 29 EFB 1957"		
	X = 2,705,210 Y = 300,143	40 57 42.92	75 11 46.82
163a.	Center of bridge over creek		
	X = 2,705,203 Y = 300,124	40 57 42.74	75 11 46.92
167a.	Centerline of rd. at power-line crossing		
	X = 2,704,898 Y = 298,103	40 57 22.86	75 11 51.67
170+.	Centerline of rd. over stream		
	X = 2,705,158 Y = 297,231	40 57 14.18	75 11 48.62

STATION	DESCRIPTION	LATITUDE			LONGITUDE		
PLANE COORDINATES, FEET		°	'	"	°	'	"
<u>LINE 1 (Cont'd.)</u>							
176a.	Center of bridge over stream						
Pa. N.)	X = 2,704,819 Y = 295,297	40	56	55.17	75	11	53.78
185+.	Centerline of rd. at power- line crossing						
	X = 2,705,394 Y = 291,733	40	56	19.80	75	11	47.65
191+.	Centerline of rd. at county line crossing						
	X = 2,705,597 Y = 290,816	40	56	10.69	75	11	45.36
193a.	Centerline of rd. at power- line crossing						
	X = 2,705,215 Y = 290,393	40	56	06.62	75	11	50.50
194.	Transmission tower W. = C 13 1936						
	X = 2,705,265 Y = 290,762	40	56	10.25	75	11	49.71
203a.	Centerline of rd. at power- line crossing						
	X = 2,703,427 Y = 288,020	40	55	43.70	75	12	14.69
211+.	Centerline of rd. at drain crossing						
	X = 2,702,036 Y = 284,709	40	55	11.41	75	12	34.07
217+.	Centerline of rd. at power- line crossing						
	X = 2,701,416 Y = 281,286	40	54	37.78	75	12	43.45
221a.	Centerline of crossroads						
	X = 2,702,561 Y = 279,197	40	54	16.81	75	12	29.34

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

LINE 1 (Cont'd.)

222. North Bangor; 110 ft SW. and 28 ft SE. of center of hwy. intersection; on N. property line of public school grounds; in top of sandstone boulder; standard tablet stamped "C 15 739 1936"

Pa. N.) X = 2,702,449 Y = 279,071 40 54 15.60 75 12 30.85

224a. Centerline of rd. at
grade crossing

X = 2,702,921 Y = 278,833 40 54 13.11 75 12 24.80

229a. Centerline of rd. at
grade crossing

X = 2,700,497 Y = 276,821 40 53 53.94 75 12 57.12

235+. Centerline of rd. at drain
crossing

X = 2,698,632 Y = 273,757 40 53 24.22 75 13 22.56

241a. Centerline of crossroads

X = 2,697,893 Y = 272,415 40 53 11.18 75 13 32.68

245+. Centerline of rd. at
grade crossing

X = 2,697,818 Y = 270,700 40 52 54.26 75 13 34.31

256. Bangor, 1.75 mi W. along Market Street from First National Bank; 1.6 mi E. of Pen Argyl; 26 ft N. and 26 ft W. of, and about 1 ft lower than crossroads; 2 ft E. of powerline pole; in concrete post; standard tablet stamped "TT 30 EFB 1957"

X = 2,695,938 Y = 266,899 40 52 17.26 75 14 00.21

256a. Centerline of crossroads

X = 2,695,964 Y = 266,873 40 52 17.00 75 13 59.88

260a. Centerline of rd. at rd. N.

X = 2,696,303 Y = 264,920 40 51 57.61 75 13 56.21

265+. Centerline of crossroads

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE			LONGITUDE		
		°	'	"	°	'	"

LINE 1 (Cont'd.)

277+	Centerline of rd. at drain crossing						
Pa. N.)	X = 2,698,180 Y = 256,950	40	50	38.35	75	13	34.81
284.	Ackermanville, about 2.3 mi S. of Bangor; in NW. corner of bridge walk over Greenwalt Creek; standard tablet stamped "TT 31 EFB 1957"						
	X = 2,699,985 Y = 255,477	40	50	23.82	75	13	11.90
284a.	Center of bridge over creek						
	X = 2,699,971 Y = 255,464	40	50	23.16	75	13	12.09
291a.	Centerline of rd. at farm rd. W.						
	X = 2,698,628 Y = 252,042	40	49	49.75	75	13	30.85
293+	Centerline of rd. over drain crossing						
	X = 2,697,625 Y = 249,341	40	49	23.36	75	13	44.91
299+	Centerline of rd. at rd. N.						
	X = 2,695,192 Y = 247,954	40	49	10.36	75	14	17.07
304a.	Centerline of rd. at rd. SE.						
	X = 2,694,287 Y = 245,624	40	48	47.60	75	14	29.71
309.	NGS standard triangulation station stamped "MEIXSELL 1942"						
Pa. S.)	X = 2,695,258.81 Y = 549,137.18	40	48	49.015	75	14	16.769
319a.	Centerline of rd. at intersection of long tangent extended of rd. S.						
	X = 2,693,595 Y = 547,459	40	48	32.91	75	14	39.02
319+	Centerline of rd. at powerline crossing						
	X = 2,693,879 Y = 546,665	40	48	24.98	75	14	35.62

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "
<u>LINE 1 (Cont'd.)</u>			
323+	Centerline of rd. at powerline crossing of center set of power poles		
Pa. S.)	X = 2,694,367 Y = 543,359	40 47 52.19	75 14 30.50
325+	Centerline of rd. at rd. E.		
	X = 2,694,291 Y = 540,948	40 47 28.40	75 14 32.37
332.	Stockertown, 1.95 mi NE. along macadam rd. from post office; about 7 mi NNW. of Easton; 10 ft N. and 21 ft W. and about 2 ft lower than crossroads; 2 ft E. of powerline pole; in concrete post; standard tablet stamped "TT 32 EFB 1957"		
	X = 2,694,234 Y = 534,872	40 46 28.40	75 14 35.36
332a.	Centerline of crossroads		
	X = 2,694,255 Y = 534,862	40 46 28.30	75 14 35.09
333+	Centerline of rd. at power- line crossing		
	X = 2,694,313 Y = 534,283	40 46 22.56	75 14 34.55
338+	Centerline of rd. at drain crossing		
	X = 2,695,753 Y = 531,725	40 45 56.89	75 14 16.79
344a.	Centerline of crossroads		
	X = 2,697,254 Y = 526,386	40 45 03.73	75 13 59.26
345.	Easton, 5.1 mi NNW. along State Highways 90 and 115 from the main square; about 1.6 mi E. of Stockertown; 237 ft S. of crossroads; 52 ft S. and 5 ft E. and about level with grade crossing of Lehigh and New England RR.; in SW. end of base of RR. signal; standard tablet stamped "TT 33 EFB 1957"		
	X = 2,697,288 Y = 526,188	40 45 01.77	75 13 58.90