

THIRD ORDER HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

OFFICE COPY HOLD

41-073-33
TARRYTOWN QUADRANGLE
21 N.Y.-47 N.J.
M4100-W7345/15
DIAGRAM NK 18-9
HARTFORD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Rockland and Westchester Counties, N.Y.;
Bergen 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 1974

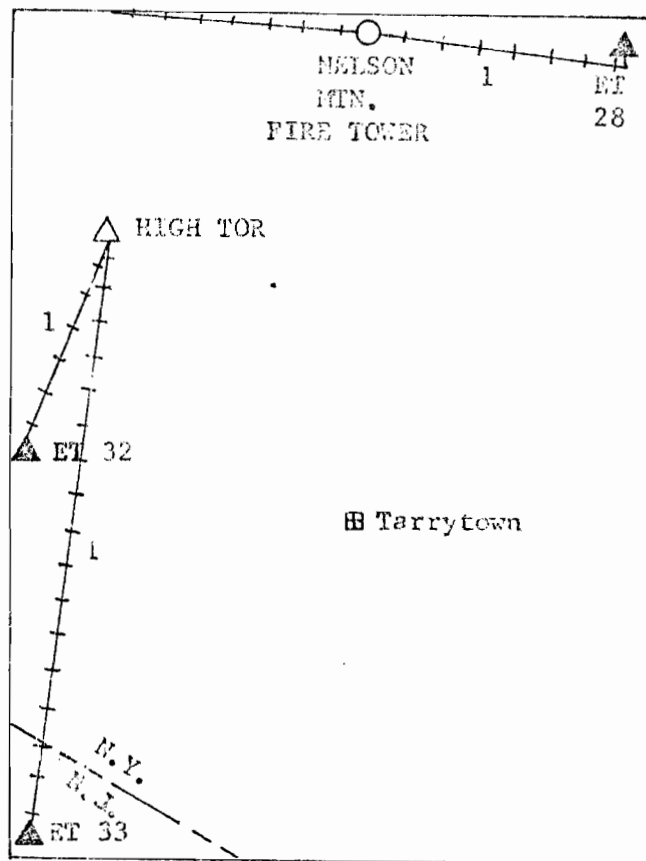
Edition of 12/6/74

PR: CRV/sws

Plane coordinates are based on
transverse Mercator projection,
New York, East Zone

WEST POINT
(27)

RANAPO
(22 N.Y.-48 N.J.)



STAMFORD
(20 N.Y.-4 CONN.)

X = 592,011
Y = 364,475

HARLEM
(14 N.Y.-41 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.

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21 N.Y.-47 N.J.
TARRYTOWN QUADRANGLE

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

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 and W. F. BonBuehren, 1932; Books D306 and D308; H. S. Brown, C. B. Kendall and J. R. Ellis, 1932; Books D297-D300; E. A. Ballou and C. B. Kendall, 1932; Books D302 and D305

White Plains, about 2.0 mi SW. of; about 0.75 mi SE. of Hartsdale; 80 ft NW. of intersection of Mamaroneck and Post Roads; 10 ft N. and 20 ft E. of lower E. end of James Fenimore Copper monument; in top of rock outcrop; standard tablet stamped "TT 101 K 1932 232"

X = 651,373 Y = 366,889 41 00 20.89 73 47 05.63

Harts Corners; 308 ft SW. of intersection of Central Park Avenue and Inwood Avenue; on W. building line of Central Park Avenue; about 8 in. above concrete driveway; in E. face of concrete block at NE. corner of Harts Corners Fire Department; standard tablet stamped "TT 4 K 1932 182"

X = 647,338 Y = 371,857 41 01 10.24 73 47 57.86

Elmsford; 600 ft NW. of New York Central Railroad crossing of State Highway 119; 300 ft S. of centerline of Highway 119; at edge of granite bluff; in top of ledge 1 ft wide forming step about 3.5 ft above ground directly in rear of stucco dwelling; standard tablet stamped "TT 5 K 1932" (Destroyed, 1957)

X = 640,751 Y = 384,992 41 03 20.40 73 49 22.79

Eastview; about 300 ft NE. of N.Y.C. RR. station; 12 ft N. and 17 ft E. of centerline of State Highway 9A and RR.; about 4 ft above level of hwy.; in face of NE. abutment of RR. bridge over hwy.; standard tablet stamped "TT 6 K 1932"

X = 639,029 Y = 394,202 41 04 51.49 73 49 44.56

Irvington, 0.25 mi S. of; 450 ft NW. of junction of Albany Post rd. with Station Road W.; about 12 ft N. of centerline of Station Road; near center of N. capstone to E. postal of underpass of Station Road under Old Croton Aqueduct; standard tablet stamped "TT 8 K 1932"

X = 628,504 Y = 377,589 41 02 07.93 73 52 03.18

Hawthorne Circle, about 2.1 mi N. of, along Saw Mill River Parkway; at junction of Bedford Road; in W. abutment of Bedford Road bridge crossing Saw Mill River Parkway; near center of E. face on Saw Mill River Parkway level; in top of water table about 2 ft above ground; standard tablet stamped "TT 56 K 1932"

X = 644,115 Y = 409,752 41 07 24.84 73 48 36.93

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

OBSOLETE MARKS (Cont'd.)

On highest part of N. hill of ridge known as Buttermilk Hill; on John D. Rockefeller Estate; near forks of dim rd.; 1 ft SW. of NGS triangulation station "BUTTERMILK 1833"; in rock ledge almost flush with ground; standard tablet stamped "TT 57 K 1932"

X = 643,987 Y = 404,810 41 06 36.02 73 48 39.00

White Plains, about 2.8 mi N. of post office; 1.7 mi S. of intersection of Old Orchard Street and State Highway 22; in town of New Castle; 75 ft W. of Old Orchard Street; in top of E. wingwall of concrete retaining wall of covered reservoir of White Plains water supply; standard tablet stamped "TT 104 K 1932 445"

X = 659,991 Y = 387,121 41 03 40.24 73 45 11.47

Kensico Dam, 0.7 mi N. of, along State Highway 22; 224 ft S. of intersection of Highway 22 with Old Orchard Street; 25 ft E. of edge of rd.; in rock outcrop; standard tablet stamped "TT 103 K 1932 387"

X = 658,638 Y = 394,812 41 04 56.32 73 45 28.46

Kensico Reservoir Dam, at E. approach to roadway over, along S. side of roadway; in SE. corner of projecting stone base under end of curved part of wall; standard tablet stamped "TT 105 K 1932 370"

X = 657,452 Y = 391,249 41 04 21.20 73 45 44.26

Valhalla, about 1.5 mi W. of; at intersection of Grasslands Road and rd. to Pleasantville (State Highway 100); on N. side of town line between Greenburg and Mt. Pleasant; 52 ft from rd. intersection; in top of rock outcrop 5 ft in diameter; standard tablet stamped "TT 106 K 1932 456"

X = 646,964 Y = 391,239 41 04 21.75 73 48 01.19

Tarrytown, 4.0 mi N. of; 2.0 mi S. of Ossining; 115 ft N. and 83 ft E. of junction of Broadway and Scarborough Roads; in S. end of lower step of main entrance to church; standard tablet stamped "TT 10 K 1932"

X = 630,169 Y = 413,850 41 08 06.12 73 51 38.86

Pleasantville, about 1.25 mi SE. of; 76 ft S. and 93 ft E. of public rd. W.; 37 ft E. of centerline of Bear Ridge Road; in top of boulder about 15 ft above ground; standard tablet stamped "TT 11 K 1932" (Reported not found, 1963)

X = 657,304 Y = 412,783 41 07 53.97 73 45 44.35

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

OBSOLUTE MARKS (Cont'd.)

Ossining; at intersection of Main and South Highland Avenues; 43 ft E. of centerline of South Highland Avenue; on S. side of N. entrance stairway to Ossining High School; in capstone in top of stone wall 4 ft above sidewalk; standard tablet stamped "TT 13 K 1932"

X = 629,941 Y = 423,429 41 09 38.80 73 51 41.17

Ossining, 2.25 mi (airline) NE. of; 1.25 mi SW. of intersection of Pines Bridge Road and Bronx Parkway extension; 88 ft S. of junction of Pines Bridge Road and Grace Lane NW.; in top of large boulder about 1.5 ft above ground; standard tablet stamped "TT 14 K 1932"

X = 639,069 Y = 431,909 41 11 04.05 73 49 41.18

Millwood; on Putnam Division of N.Y. C. RR.; 13 ft N. and 25 ft W. of intersection of Bronx River Parkway extension and Saw Mill River Road overhead crossing; 28 ft from centerline of Saw Mill River Road; about 4 ft above level of ground; in S. panel of W. abutment; standard tablet stamped "TT 15 K 1932"

X = 645,019 Y = 432,531 41 11 09.85 73 48 23.32

Pleasantville, about 2.0 mi N. of; about 1.0 mi NW. of Chappaqua; about 400 ft SE. of junction of Hardscrabble Road and Kipp Street; in rear of two-story stone house; about 3 ft above pavement; standard tablet stamped "TT 16 K 1932" (Reported not found, 1955)

X = 649,683 Y = 424,458 41 09 49.78 73 47 22.99

Ossining, 2.0 mi N. of; 1.0 mi S. of Harmon; 197 ft SE. of center of Croton River Bridge; 15 ft W. of centerline of Albany Post Road; in N. end of S. post of W. rail of bridge; 0.4 ft above concrete roadway; standard tablet stamped "TT 16 K 1932" (Reported not found, 1955)

X = 626,529 Y = 433,224 41 11 17.73 73 52 25.10

Croton-on-Hudson, 1.8 mi NE. of; 0.1 mi NW. of Croton Dam; 38 ft N. and 15 ft E. of junction of Yorktown Road and rd. to Croton Dam crest; in small ledge of rock outcrop about 30 ft above pavement level; standard tablet stamped "TT 17 K 1932"

X = 629,940 Y = 447,872 41 13 42.28 73 51 39.44

Yorktown Heights, about 3.0 mi SW. of; 0.8 mi NW. of Bronx Parkway bridge over Croton Reservoir; 0.4 mi NW. of junction of Yorktown Road and Bronx Parkway extension; 172 ft S. and 24 ft E. of junction of Yorktown Road and public rd. NE. to Mohansic Park; in ledge at base of rock cliff; about 3.5 ft above roadway; standard tablet stamped "TT 18 K 1932"

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

OBSOLETE MARKS (Cont'd.)

Yorktown Heights, about 3.8 mi SW. of; at new bridge on Bronx Parkway extension over Croton reservoir; 45 ft W. of Parkway; 10 ft N. of N. abutment; in top of wall 4 ft above sidewalk; standard tablet stamped "TT 19 K 1932"

X = 642,978 Y = 451,766 41 14 20.02 73 48 48.51

Kitchswan, 1.5 mi W. of; 1.8 mi S. of new Croton Reservoir bridge; 68 ft N. of centerline of State Highway 134; 36 ft W. of center of Bronx Parkway between junction of Parkway and southbound entrance to lower drive; in rock outcrop 3 ft above ground; standard tablet stamped "TT 20 K 1932"

X = 643,783 Y = 442,999 41 12 53.35 73 48 38.66

Chappaqua, about 2.0 mi N. of; about 1.5 mi SE. of Millwood station; 0.5 mi SE. of Tomkins Corner; 0.25 mi N. of Roaring Brook Schoolhouse; 250 ft NE. of junction of Quaker Street and Pines Bridge Road; 80 ft W. of Pines Bridge Road at junction with public rd. E.; 25 ft W. of stone gateway to residence; in top of large granite outcrop about 4 ft high at N. end; standard tablet stamped "TT 60 K 1932"

X = 653,435 Y = 432,561 41 11 09.63 73 46 33.26

Croton-on-Hudson, 2.75 mi NW. of; 0.5 mi SE. of Oscawana; 175 ft W. of intersection of Albany Post Road and Furnace Dock Road; on N. bank of Furnace Brook; at Chimney Corner Cabin; in top of N. end of large granite boulder; standard tablet stamped "TT 21 K 1932"

X = 616,569 Y = 448,289 41 13 47.08 73 54 34.40

Montrose, about 1.0 mi W. of; about 2.5 mi SW. of Peekskill; 200 ft S. and 53 ft W. of W. junction of Kings Ferry Road and Sunset Road; in small rock outcrop about 18 in. above ground; standard tablet stamped "TT 24 K 1932"
(Reported not found, 1955)

X = 605,776 Y = 455,157 41 14 55.44 73 56 55.25

Nyack; 115 ft S. of Fifth Avenue; 1 ft S. of third door S. of NW. corner of high school building; 6 in. W. of W. wall; in second step above concrete pavement; standard tablet stamped "TT 35 K 1932"

X = 613,078 Y = 399,493 41 05 45.12 73 55 23.07

Nyack, 2.0 mi N. of; 1.4 mi S. of Rockland Lake; 80 ft S. of Midland Avenue; 95 ft E. of U.S. Highway 9-W; 25 ft S. of small stream; in boulder about 3 ft above ground; standard tablet stamped "TT 36 K 1932"

X = 611,909 Y = 404,209 41 06 31.77 73 55 38.08

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

OBSOLETE MARKS (Cont'd.)

Rockland Village, at NE. corner of Rockland Lake; 207 ft S. of rd. forks; at one story red brick public school building; in E. column on N. cheek wall at N. side of main entrance; 4 ft above ground; standard tablet stamped "TT 37 K 1932"

X = 615,337 Y = 416,182 41 08 29.91 73 54 52.54

Congers Village, about 790 ft W. and 90 ft S. of crossing of N.Y. C. RR.; at W. side of main entrance of Congers High School; in lower step about 6 in. above ground; standard tablet stamped "TT 38 K 1932"

X = 607,024 Y = 419,266 41 09 00.76 73 56 41.01

Congers, 2.5 mi S. of; 2.0 mi N. of West Nyack; 180 ft E. of Mill Road; at S. end of artificial lake; in W. abutment of concrete spillway; at ground level; standard tablet stamped "TT 39 K 1932"

X = 602,583 Y = 408,565 41 07 15.22 73 57 39.66

West Nyack, about 0.7 mi NW. of station; 30 ft S. and 115 ft W. of public rd. W. at school; at NE. corner of public school building; in upper stone wall 5 ft above ground; standard tablet stamped "TT 40 K 1932"

X = 598,910 Y = 400,285 41 05 53.56 73 58 28.09

Haverstraw, about 1.25 mi S. of; 0.25 mi SW. of forks of rd.; 90 ft N. of, and 20 ft higher than State Highway 304; across rd. from Haverstraw gravel plant; at head of path; in boulder; standard tablet stamped "TT 71 K 1932"

X = 603,318 Y = 429,862 41 10 45.62 73 57 28.87

New City, 2.75 mi N. of; 490 ft S. of Lake Lucille Road; 225 ft S. of small stone bridge crossing brook flowing E.; 80 ft E. of rd.; on Herald-Tribune camp property; in huge flat boulder about 6 ft higher than rd.; standard tablet stamped "TT 72 K 1932"

X = 593,870 Y = 431,872 41 11 05.86 73 59 32.31

New City, 2.5 mi S. of; 800 ft N. of crossroads at Bardonia; 55 ft W. of rd.; in small boulder on property of Mr. Hartmann; standard tablet stamped "TT 73 K 1932"

X = 592,943 Y = 405,077 41 06 41.15 73 59 45.80

Bardonia, 0.75 mi S. of; about 1.0 mi W. of Clarksville; 33 ft N. and 18 ft W. of T-rd. N. to New City from State Highway 59 E.-W.; in small rock; standard tablet stamped "TT 74 K 1932"

X = 592,233 Y = 399,952 41 05 50.53 73 59 55.32

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

OBSOLETE MARKS (Cont'd.)

Haverstraw, 1.8 mi N. of, along Grassy Point Road; 41 ft S. and 12 ft E. of center of concrete and steel bridge over Miniscecongong Creek; in S. end of coping on E. concrete balustrade; standard tablet stamped "TT 119 K 1932"

X = 600,677	Y = 442,478	41 12 50.38	73 58 02.71
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Stoney Point Village, 1.3 mi N. of; 210 ft SE. of crossroads; 80 ft S. of Wayne Avenue; in 12- by 12-ft rock outcrop; standard tablet stamped "TT 120 K 1932"

X = 595,096	Y = 454,141	41 14 45.85	73 59 15.12
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LINE 1.

By A. A. Shands, 1964; Book AH 868

Ossining, about 4.5 mi (airline) N. of; on wooded mountain known as Salt Mountain; four legged steel structure 75 ft high designated "NELSON MOUNTAIN FIRE TOWER" (ET 27 AAS 1964)

X = 629,897	Y = 454,350	41 14 51.23	73 51 39.51
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Y-rd. fork

X = 628,101	Y = 406,917	41 06 57.73	73 52 06.37
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Haverstraw, about 0.5 mi (airline) N. of; about 1.3 mi SE. of West Haverstraw; on Bowline Point; 12 ft S. of centerline of rd. intersection of projection of rd. NW.; 100 ft SSW. of old dock; 16 ft W. of waterline at high water; in poured concrete projecting 2 in.; standard tablet stamped "ET 31 AAS 1964"

X = 603,195	Y = 438,481	41 12 10.78	73 57 29.98
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Y-intersection

X = 603,183	Y = 438,482	41 12 10.80	73 57 30.14
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Y-intersection

X = 603,133	Y = 438,492	41 12 10.90	73 57 30.79
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NGS standard triangulation station disk designated "HIGH TOR 1851" and stamped "HIGH TOR 1881"

X = 601,174	Y = 432,836	41 11 15.098	73 57 56.741
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE			LONGITUDE		
		°	'	"	°	'	"

LINE 1 (Cont'd.)

New City, 1.2 mi S. of courthouse, along State Highway 304 (a by-pass in now under construction), thence right about 0.1 mi along Kings Highway to first house on right; 60 ft NE. of intersection of Kings Highway and Ralph Avenue; 58 ft SW. of SW. corner of two-story white house; 13 ft N. of hwy.; 6 ft N. of N. edge of street; 6 ft W. of 30-in. maple tree; in concrete post about 1 in. below ground; Rockland County disk stamped "ET 32 AAS 1964"

X = 593,252	Y = 410,008	41 07 29.86	73 59 41.51
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T-rd. N.

X = 593,194	Y = 409,994	41 07 29.72	73 59 42.26
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Ossining, 6.0 mi (airline) NE. of; 0.5 mi NE. of intersection of State Highways 100 and 129 (traffic circle) near N. end of Pines Bridge over New Croton Reservoir, along Highway 100, thence left 0.3 mi through gate with stone posts to private lane right, thence 0.2 mi right to main drive left, and dirt secondary drive ahead, thence along drive to end of drive behind bathhouse, thence 120 ft W. to crest of ridge; 128 ft (sloped) NW. of NW. corner of bathhouse; 167 ft NW. of edge of circular pool; about 40 ft S. of N. edge of lawn; in 2- by 3-ft outcrop and boulder projecting 1 ft; standard tablet stamped "ET 28 AAS 1964"

X = 656,632	Y = 453,671	41 14 38.00	73 45 49.64
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NW. corner of bathhouse

X = 656,736	Y = 453,622	41 14 37.51	73 45 48.28
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Center of round swimming pool

X = 656,754	Y = 453,547	41 14 36.77	73 45 48.05
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Thornwood, about 1.0 mi E. of; on prominent ridge; about 75 ft NW. of northernmost of two squat standpipes. 31 ft SE. of intersection of Swanson and West Lake Drives; 10 ft E. of power pole No. W60A; cross on top of plug on fire hydrant designated "ET 29 AAS 1964"

X = 656,789	Y = 406,601	41 06 52.92	73 45 51.61
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Cross streets

X = 656,763	Y = 406,615	41 06 53.06	73 45 51.95
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Center of northernmost one of two large squat water tanks (standpipes)

X = 656,869	Y = 406,553	41 06 52.44	73 45 50.57
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE			LONGITUDE		
		°	'	"	°	'	"

LINE 1 (Cont'd.)

North Tarrytown, 2.4 mi N. of intersection of State Highway 117 and U.S. Highway 9, along Highway 9 to estate of John D. Rockefeller (house of caretaker on left), thence left through iron gate along estate lane W. to site of old dock about 150 ft W. of SE. corner of old dock; about 100 ft E. of, and 20 ft higher than RR. tracks; 8 ft N. of 36-in. cottonwood tree; indentation of center of 1½-in. bolt cemented to granite post of short low retaining wall (bolt projects 3 in. and leans toward river) designated "ET 30 AAS 1964"

X = 628,032	Y = 407,217	41 07 00.70	73 52 07.25
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Y-rd. fork

X = 628,070	Y = 406,970	41 06 58.25	73 52 06.77
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Harrington Park, about 1.0 mi (airline) NW. of; 0.2 mi SW. of Charles De Wolf School in Old Tappan, along Old Tappan Road to crossroad, thence 0.2 mi right (passing cemetery on right at top of ridge); just S. of, and on property of new reservoir under construction; 56 ft E. of rd.; 34 ft NE. of 24-in. oak tree; in 3- by 4-ft boulder projecting 1.5 ft; standard tablet stamped "ET 33 AAS 1964"

X = 593,580	Y = 369,318	41 00 47.79	73 59 39.29
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Drive SW.

X = 593,623	Y = 369,124	41 00 45.87	73 59 38.74
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Drive W.

X = 593,488	Y = 369,386	41 00 48.47	73 59 40.48
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White Plains, 1.9 mi S. of courthouse, along Mamaroneck Avenue to Cardinal McCloskey School and Home for Children; center cross on top of school designated "ET 34 AAS 1964"

X = 660,081	Y = 367,189	41 00 23.30	73 45 12.03
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NE. corner of N. wing on top of building

X = 660,080	Y = 367,255	41 00 23.95	73 45 12.04
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NW. corner of W. wing on top of building

X = 660,009	Y = 367,182	41 00 23.23	73 45 12.97
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

LINE 1 (Cont'd.)

Palisades; E. of traffic light, along winding macadam rd. to end of rd. at Sneden Landing; 100 ft SE. of three-car stone garage; 5 ft W. of Hudson River; 2 ft N. of picket fence; in concrete and log retaining wall; standard tablet stamped "ET 36 AAS 1964"

X = 618,643	Y = 368,732	41 00 40.91	73 54 12.40
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Edge of water at fence W.

X = 618,649	Y = 368,730	41 00 40.89	73 54 12.32
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Centerline of rd. at curve opposite building

X = 618,592	Y = 368,809	41 00 41.68	73 54 13.06
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Corner of dock

X = 618,632	Y = 368,798	41 00 41.57	73 54 12.54
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Orangeburg, about 1.2 mi E. of; On Fort Hancock Military Reservation; on prominent hill known as Mt. Nebo; center of large, enclosed RADAR DOME

X = 611,756	Y = 382,618	41 02 58.44	73 55 41.39
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NGS triangulation station designated "BLACK 1930"

X = 627,421.81	Y = 364,854.83	41 00 02.160	73 52 18.155
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T-drive S.

X = 627,294	Y = 364,835	41 00 01.97	73 52 19.82
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Approximate center of tank

X = 627,432	Y = 364,847	41 00 02.08	73 52 18.02
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Drive N.

X = 627,315	Y = 364,789	41 00 01.52	73 52 19.55
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Drive NE. and fence N.

X = 627,336	Y = 364,715	41 00 00.78	73 52 19.28
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STATION	DESCRIPTION	LATITUDE			LONGITUDE		
PLANE COORDINATES, FEET		°	'	"	°	'	"

LINE 1 (Cont'd.)

Y-rd. fork

X = 627,339	Y = 364,681	41 00 00.45	73 52 19.25
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NGS standard triangulation station disk stamped "CURVE 1932"

X = 615,984.32	Y = 443,038.34	41 12 55.235	73 54 42.387
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Point where shoreline leaves RR.
tracks (S. of station)

X = 616,012	Y = 442,994	41 12 54.80	73 54 42.03
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Point where shoreline returns beside
tracks (N. of station)

X = 615,890	Y = 443,182	41 21 56.66	73 54 43.61
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Centerline of narrow (4-ft) walkway
like structure over tracks (Does not
include spur track on W.)

X = 616,107	Y = 442,978	41 12 54.63	73 54 40.79
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NGS triangulation station designated "POINT 1900"

X = 619,535.59	Y = 425,904.14	41 10 05.768	73 53 57.040
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NW. corner of building

X = 619,565	Y = 426,086	41 10 07.56	73 53 56.64
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Centerline of rd. opposite center of
building

X = 619,597	Y = 426,068	41 10 07.38	73 53 56.23
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