

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

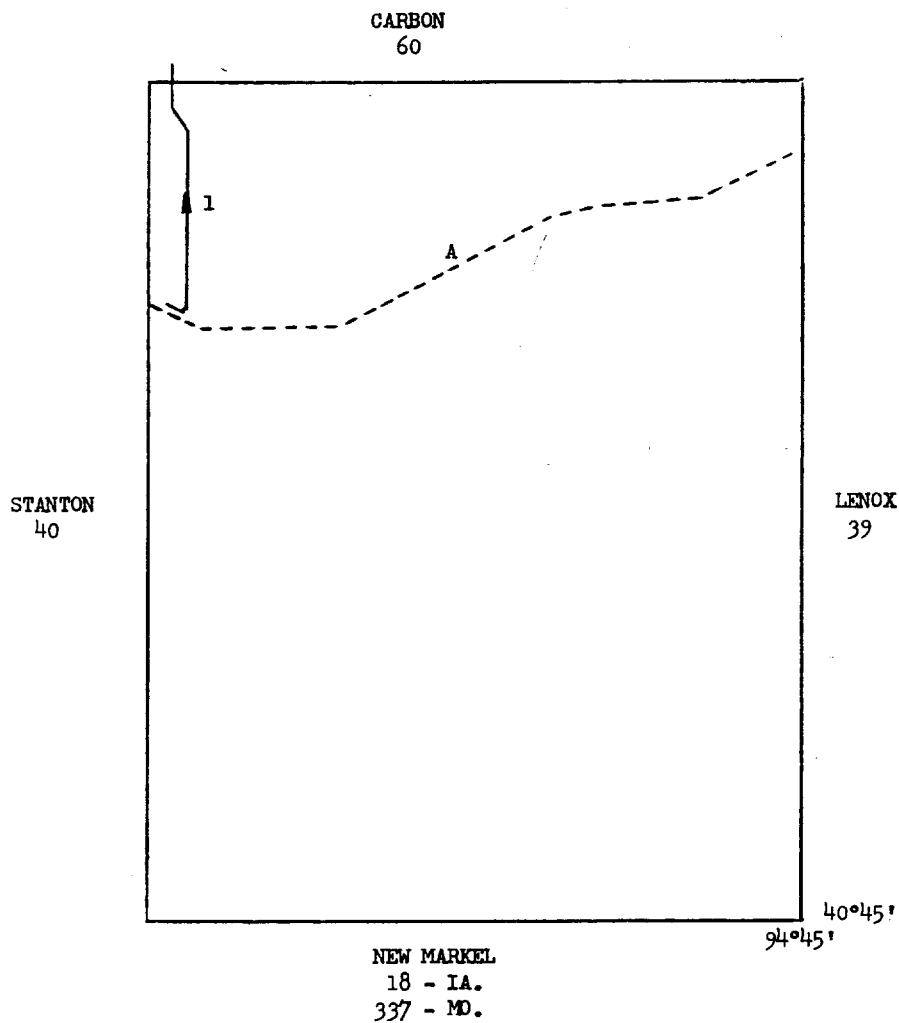
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

40-094-44
VILLISCA QUADRANGLE
39 - IOWA
N4045-W9445/15
DIAGRAM NK 15-10
NEBRASKA CITY

Montgomery, Page, Taylor and
Adams Counties

Edition: 5-2-77

PR: ADP/LB/cb



N.G.S. (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 400944

39 C

LINE 1

FEET

D.N. Burgeson, 1976; Book CV-3342

VILLISCA QUAD. - 39

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|----|-----|------------|--|----------|
| 7 | 3 | 0.0 | RM, 1.2 mi W. along the Chicago, Burlington & Quincy RR. from the station at Villisca, Montgomery County, at a bridge over West Nodaway River, and in the top of the second step on the S. side of the E. stone abutment, a United States Geological Survey standard disk stamped "USGS GAUGING STATION REFERENCE MARK". | 1038.102 |
| 3 | 0.6 | UE | 0.6 mi E. of tablet, at an over-pass of U.S. Hwy. 71 over the Burlington Northern RR.; at the W. end of the N. pier of over-pass and 6.5 ft above the N. RR. grade of two tracks; chiseled square | 1063.64 |
| 6 | 1.4 | UE | Villisca, 0.8 mi N. of; 14.2 mi S. of Grant, T. 71 N., R. 36 W., near N. sixteenth cor. secs. 21 and 22; 77 ft S., 62.5 ft E. and 6.6 ft lower than T-rd. W., 0.2 ft from E. end of a concrete culvert; chiseled square | 1053.69 |
| 8 | 2.2 | UE | Villisca, 1.5 mi N. of along U.S. Hwy. 71, 13.5 mi S. of Grant; T. 71 N., R. 36 W., near quarter cor. sec. 15 and 16; 200 ft S. and 46 ft E. of road at fence W., 0.25 ft from the E. end of a concrete culvert; chiseled square | 1051.57 |
| 10 | 2.7 | | Reference mark, 105 ft E. of tablet; 50 ft S. and 42 ft E. and 1.8 ft lower than T-rd. E., at center of a 5.4 ft concrete headwall; brass plug stamped "I H C BM" | 1053.75 |
| 11 | 2.7 | | Villisca, 2 mi N. of along U.S. Hwy. 71, 13 mi S. of Grant; T. 71 N., R. 36 W., near cor. of secs. 9, 10, 15 and 16; 50 ft S., 59 ft W. and 5.2 ft lower than T-rd. E., at center of 5 ft concrete headwall standard tablet stamped "3 DNB 1976" | 1050.340 |
| 13 | 3.6 | UE 3 DNB A | Villisca, N. of along U.S. Hwy. 71; 12 mi S. of Grant, T. 71 N., R. 36 W., near cor. of secs. 3, 4, 9 and 10; 390 ft N. of milepost 29, 78 ft S., 50 ft E. and 5 ft lower than road at entrance E., 2.8 ft N. of the S. end of a 24-in. steel corrugated culvert; a punched hole | 1060.20 |
| 14 | 4.1 | UE 3 DNB B | Villisca, 3.5 mi N. of along U.S. Hwy. 71; 11.5 mi S. of Grant; T. 71 N., R. 36 W., near quarter cor. secs. 3 and 4, at NW. end of U.S. Hwy. 71 over U.S. Hwy. 34; 7.4 ft S., 0.35 ft higher than center of overpass over W. bound lane brass plug; stamped "I H C" | 1078.27 |
| 16 | 4.8 | | Reference mark, 133 ft E. of tablet, 100 ft N. of drive E. to barnyard; 63 ft E. and 9.9 ft lower than road at culvert; at center of E. end of a concrete box culvert; brass plug stamped "I H C BM" | 1059.35 |
| 17 | 4.8 | | Villisca, 4.2 mi N. of along U.S. Hwy. 71; 10.8 mi S. of Grant; T. 72 N., R. 36 W., near the SE. cor. of sec. 33; 76 ft N. of drive to barnyard; 70 ft W. and 11.4 ft lower than road at culvert; at center of W. concrete headwall; standard tablet stamped "4 DNB 1976" | 1057.807 |
| 19 | 5.8 | UE 4 DNB A | Villisca, 5 mi N. of; along U.S. Hwy. 71; 10 mi S. of Grant; T. 72 N., R. 36 W., near E. sixteenth cor. secs. 28 and 33; 100 ft E. and 5.3 ft lower than road at fence E.; at right-of-way marker at T-fence E.; top of iron right-of-way post projecting 1.5 ft above ground | 1059.15 |

CARBON QUAD. - 60

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| 21 | 6.7 | Reference mark, 86 ft E. of tablet; 150 ft N. of milepost 32; 35 ft N., 43 ft E. and 2.1 ft lower than road at entrance E.; at center of E. concrete headwall; brass plug stamped "I.H.C. BM" | 1067.27 |
| 22 | 6.7 | Villisca, 6 mi N. of along U.S. Hwy. 71; 9 mi S. of Grant; T. 72 N., R. 36 W., near quarter cor. secs. 21 and 28; 655 ft S. of T-rd. W., (jct. U.S. Hwy. 71 and State Hwy. H-34), 150 ft N. of milepost 32; 35 ft N., 43 ft W. and 1.2 ft lower than road at entrance E.; at center of W. concrete headwall; standard tablet stamped "5 DNB 1976" | 1066.295 |