

UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary
GEOLOGICAL SURVEY
W. C. Mendenhall, Director

Bulletin 898-H

SPIRIT LEVELING IN MISSOURI

PART 8. WEST-CENTRAL MISSOURI
1896-1938

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Prepared in cooperation with the
STATE OF MISSOURI
GEOLOGICAL SURVEY AND WATER RESOURCES
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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1939

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II

SPIRIT LEVELING IN MISSOURI

PART 8, WEST-CENTRAL MISSOURI, 1896-1938

J. G. Staack, Chief Topographic Engineer

INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in eight parts, contains the results of all spirit leveling done in Missouri by the Geological Survey, United States Department of the Interior, including those heretofore published.* Each of the parts deals with one of eight sections into which the State has been divided for this purpose and which have been designated northeastern, northwestern, southeastern, southwestern, central, east-central, south-central, and west-central Missouri. In each part descriptions of the points for which figures of elevation have been determined are listed according to the quadrangles in which the points occur. Results of spirit leveling other than that done by the Geological Survey have not been included.

Cooperation.—The State has contributed financially to the work of leveling in Missouri since 1907, ordinarily cooperating with the United States Geological Survey on a dollar-for-dollar basis. The agencies concerned in this cooperation are the Missouri Geological Survey and Water Resources and, since 1929, the Missouri State Highway Commission. Since 1934, the Missouri Geological Survey and Water Resources, under allotments from the Federal Emergency Relief Administration and the Works Progress Administration, has also supplied the funds to pay the personnel working on extensive projects of leveling in the State. For these projects the United States Geological Survey has furnished equipment and supervision as its share of the cooperation.

Classification of leveling.—Spirit leveling is classified according to the degree of refinement in the instruments and methods used and according to the closure errors.

First-order leveling** consists of leveling done with the most improved instruments, all sections being leveled twice, in opposite directions, under varying conditions. Closures are not allowed to exceed the amount in feet represented by the formula 0.017 times the square root of the length of section in miles.

Second-order leveling, according to regulations of the United States Geological Survey, comprises lines leveled twice with reliable instruments, though not necessarily of the most improved type. Closures are not allowed to exceed 0.035 times the square root of the length of section in miles.

Third-order leveling is made up of lines that are run, either with first-order equipment or with an engineer's wye level and rods of the New York type, in single-line circuits that are required to close within the limits of 0.05 times the square root of the

*For the results of spirit leveling in Missouri previously published see Triangulation and spirit leveling—Missouri: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 333-337, 1897; Triangulation and spirit leveling—Missouri-Illinois: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 412-413, 1899; Triangulation, primary traverse, and spirit leveling—Missouri: U. S. Geol. Survey 21st Ann. Rept., pt. 1, pp. 474-475, 1900; Results of spirit leveling, fiscal year 1900-1901—Missouri, Missouri-Kansas: U. S. Geol. Survey Bull. 185, pp. 107-113, 1901; Results of spirit leveling in Missouri, 1896 to 1919, inclusive: U. S. Geol. Survey Bull. 459, 48 pp., 1911; Results of spirit leveling in Missouri, 1896 to 1914, inclusive: U. S. Geol. Survey Bull. 568, 219 pp., 1915.

**See Avers, H. G., Manual of first-order leveling; U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

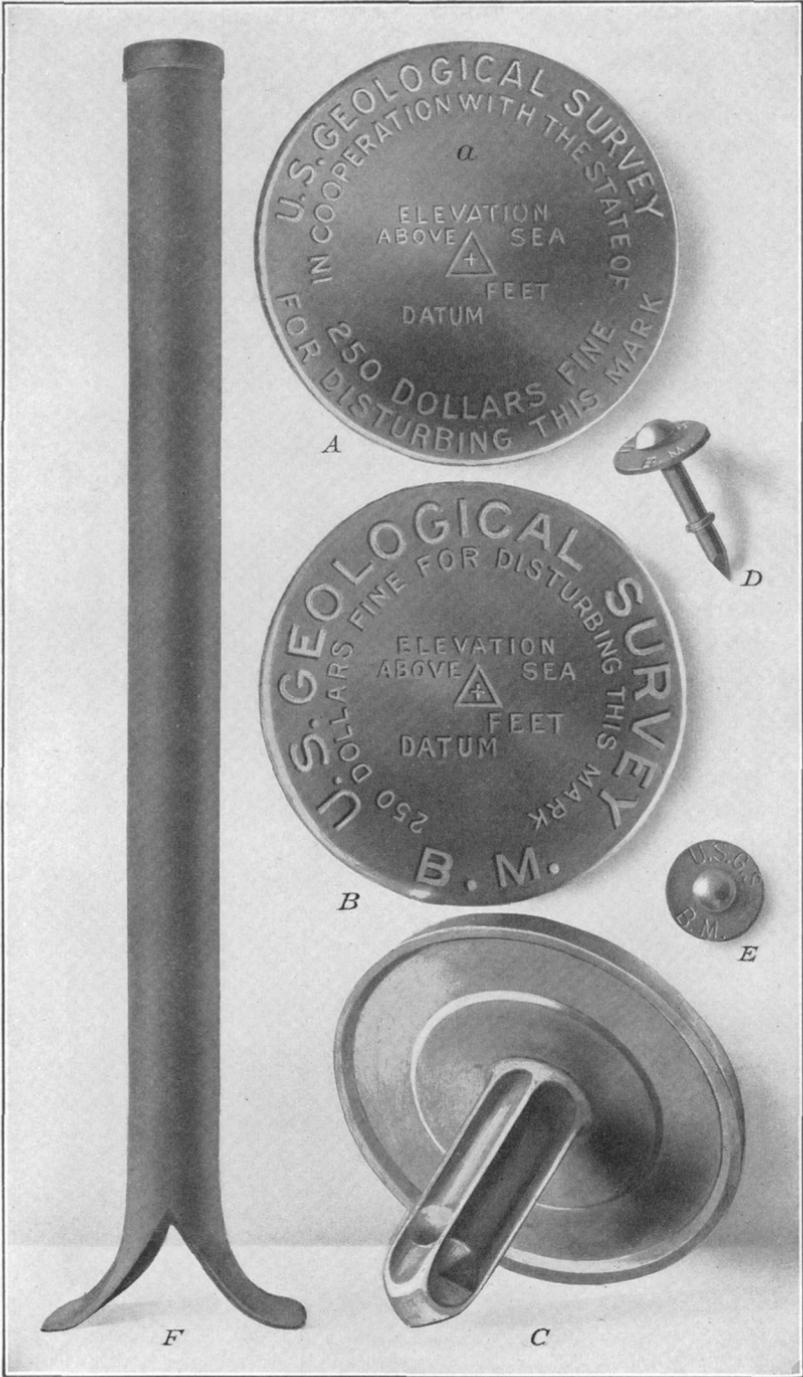
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

All leveling done by the United States Geological Survey in Missouri is of third-order accuracy except as otherwise stated.

Adjustments.—A preliminary step to the adjustment of first, second, and third-order leveling is the application of all corrections for rod error, temperature, and unbalanced sights, as well as the orthometric corrections required because of the convergence toward the poles of level surfaces of different elevations. The adjustment of a net of leveling begins with the first-order lines. Most of these lines in both the United States and Canada have already been combined in a general net and adjusted to remove accidental closure errors by the mathematical method known as least squares. The latest adjustment of this kind was made in 1929 by the United States Coast and Geodetic Survey and is known as the "1929 general adjustment of first-order leveling." This adjustment included the first-order lines in Missouri, and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the United States Geological Survey in Missouri has been adjusted by determining weighted mean elevations for new junction points and prorating the errors of each link. The weights are taken as the reciprocals of lengths of links. The third-order net has thus been brought into agreement with the best information available for the results of the fundamental first-order leveling, although the published figures of elevation may be changed slightly by future adjustments of the level net.

Benchmarks.—The benchmarks used by the United States Geological Survey (pl. 1) are of two general classes—principal and supplementary. Principal benchmarks are placed at more or less regular intervals along a level line and are established with the aim of making them as nearly permanent as practicable. They are usually bronze or aluminum tablets, iron posts, or copper bolts. Supplementary or auxiliary benchmarks are less formal in design and are placed between the principal benchmarks. Some of the supplementary benchmarks in common use are copper nails fitted with washers, spikes, and marks cut with a chisel on rock or masonry.

The tablets are circular in shape, measure $3\text{-}7/8$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the earlier years of the Survey's leveling the tablets set were made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets set and those now being placed are made of bronze, and bronze is the material now specified for standard tablets. Each tablet is cast with a $3\text{-}inch$ shank extending from the center of its reverse side, by means of which it is cemented in place, and each bears an inscription on its face. The inscriptions on the tablets already placed differ in many details, because of changes in design at various times. The face of every tablet, however, is cast with the words "U. S. Geological Survey", a cross at the center, which indicates the fiducial point for position or elevation, and the words "Elevation above sea." On some tablets the inscription indicates that they were set in connection with a project in which a State or other organization cooperated; on some the inscription includes a triangle, which signifies a located point, enclosing the cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as benchmarks but also as triangulation- or traverse-station marks.



GEOLOGICAL SURVEY BENCHMARKS.

A and B, Standard tablets, principal benchmarks, used where masonry or rock is available to hold them. A is used in cooperating States; the State name is inserted at *a*. C, Under side of A and B, showing shank used to hold tablet in place. D and E, Two views of copper nail and copper washer, a supplementary benchmark, used for points lying between those marked by standard tablets. F, Standard iron post fitted with bronze cap similar in design to the standard tablet, formerly used where no rock or masonry was available; superseded by concrete post with tablet set in top.

The inscription on most of the tablets already set includes the warning "250 dollars fine for disturbing this mark", but the latest design omits this phrase and adds the sentence "For information write the Director, Washington, D. C."

If the tablet is to mark a transit-traverse station, the traverseman stamps it with letters indicating this use of it, such as "Prim. Trav. Sta.", "P.T.S.", or "T.T.", as well as his own identifying letter or letters, the serial number of the station, and the year, using steel dies. If the tablet is set as a benchmark, the levelman stamps it with his identifying letter or letters, the serial number, and the year. He may at the same time stamp upon it with steel dies the figures of elevation to the nearest foot, or these figures may be added later. Tablets that serve as benchmarks may have been set as such or they may have been set to mark traverse stations. Thus some of them serve a dual purpose, but each has stamped upon it the date and the identifying designation of only the engineer who established it.

The figures of elevation that appear on a tablet are usually those determined by field computation only. It is sometimes found, therefore, that they do not represent the latest information. This has happened either because they refer to some independent datum temporarily adopted before first-order trunk lines made standard datum available, or because a later adjustment made in the office has rendered necessary an appreciable change in the figures as determined in the field. In June 1938 a field party was organized and charged with the responsibility of stamping figures of elevation, to the nearest foot, on the permanent benchmarks established in the State by the Geological Survey. Thus, these figures may appear stamped on the tablets in addition to the identifying letters and numbers quoted in the printed descriptions. It is assumed that engineers and others who require accurate figures of elevation for the marks will use those printed in a bulletin such as this one, instead of accepting the stamped figures. If the appropriate bulletin is not conveniently accessible, a request for the desired information may be addressed to the Director, Geological Survey, United States Department of the Interior, Washington, D. C.

The tablets, of whatever style, are cemented into holes drilled in solid rocks or in the walls of public buildings, bridge abutments, or other masonry structures. Where masonry or rock is not available, the tablets are set in the tops of reinforced concrete posts, which may be either precast or mixed and molded at the selected site. The posts are about 8 inches square or 8 inches in diameter at the top and larger at the base. They vary in length from 36 to 48 inches and are generally set so as to project about 6 inches above ground.

Antedating the concrete posts which are now constructed to hold the tablets, in places where masonry or rock is not available, are wrought-iron posts, to the tops of which are riveted bronze caps of similar design to the tablets. These iron posts measure 4 feet in length and $3\frac{1}{2}$ inches in outer diameter and are set about 3 feet in the ground. The bottom of the post spreads out to a width of about 10 inches in order to give it a firm footing in the earth. No iron posts have been set in recent years. They have proved impracticable, as they are easily disturbed and are subject to rust at the ground level, which eventually destroys them.

The third form of principal benchmark, set only in the early leveling, is a copper bolt, designed to be wedged into a drill hole in rock or masonry and perhaps further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in diam-

ster and has a slot at one end into which fits a brass wedge. The wedge serves to expand the bottom end of the bolt, so that after the bolt has been driven to almost its full length into the hole, it cannot be easily removed. The exposed end of the bolt bears an appropriate inscription, stamped upon it with steel dies. This inscription is made up of the letters "U S G S", the letters indicating the datum used, the abbreviated word "Ft.", and the figures of elevation.

Supplementary benchmarks are of many kinds. One kind consists of a copper nail $1\frac{1}{2}$ inches long supplied with a copper washer seven-eighths of an inch in diameter, through which the nail is driven into the root of a tree or some timber structure or cemented into rock after bending the point. The designation "U S G S B M" is stamped on each washer, and on some washers the abbreviation of the name of the cooperating State is added. Another kind of supplementary benchmark is a chiseled square, used on the horizontal surface of rocks or masonry structures, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small, capped iron pipes also serve as supplementary benchmarks, and occasionally easily described and recognized points, such as doorsills and tops of hydrants, are so used.

Preservation and restoration of benchmarks.—Any person who finds that a principal benchmark has been damaged, disturbed, or destroyed or that it should be reset or re-described on account of highway or other improvements will render a public service by communicating the facts to the Director, Geological Survey, United States Department of the Interior, Washington, D. C., before taking any action affecting the location or elevation of the mark. A proper form, accompanied by a return-addressed, franked envelope, will be sent for use in reporting the action taken and in recording the revised description of the mark, if any, and the notes made in obtaining the revised elevation.

Datum.—All elevations determined by the United States Geological Survey and those determined by the United States Coast and Geodetic Survey for inland mapping are referred to mean sea level, which is the level that the sea would assume if the influence of winds, tides, and currents were eliminated. This level is not the elevation determined from the mean of the highest and lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. Mean sea level is the average height of the water, all stages of the tide being considered. It is determined from observations made by means of tidal gages placed at stations where local conditions, such as those due to long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if accuracy is desired they must extend over several years. At ocean stations the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels determined from observations made in the Atlantic Ocean, the Gulf of Mexico, and the Pacific Ocean.*

Location of the area.—West-central Missouri, as the term is used in this bulletin and as the subject of part 8 of the bulletin, is that section of the State lying between latitudes $38^{\circ}00'$ and $39^{\circ}30'$ and west of longitude $93^{\circ}30'$ (See fig. 15.)

*See Jones, E. L., *Hypsometry—Use of mean sea level as the datum for elevations*: U.S. Coast and Geodetic Survey Special Pub. 41, 1917. *Manual of tide observations*: U.S. Coast and Geodetic Survey Special Pub. 196, 1935.

Index map.—The accompanying index map of west-central Missouri (fig. 16) shows the relative position of the quadrangle areas which make up this section. A quadrangle is the unit of topographic survey adopted by the United States Geological Survey for dividing the area of the United States. All the quadrangles referred to in listing the results of leveling in west-central Missouri measure 15 minutes in latitude by 15 minutes in longitude. Recently the names of the Adrian and Butler No. 3 quadrangles have been changed to Butler and Rich Hill, respectively, as indicated on the map by the parentheses, but the descriptions of benchmarks in these quadrangles are listed under the old names. Possible topographic mapping on a larger scale in some of the quadrangle areas may make it necessary to use, for newer $7\frac{1}{2}$ -minute quadrangles, the names

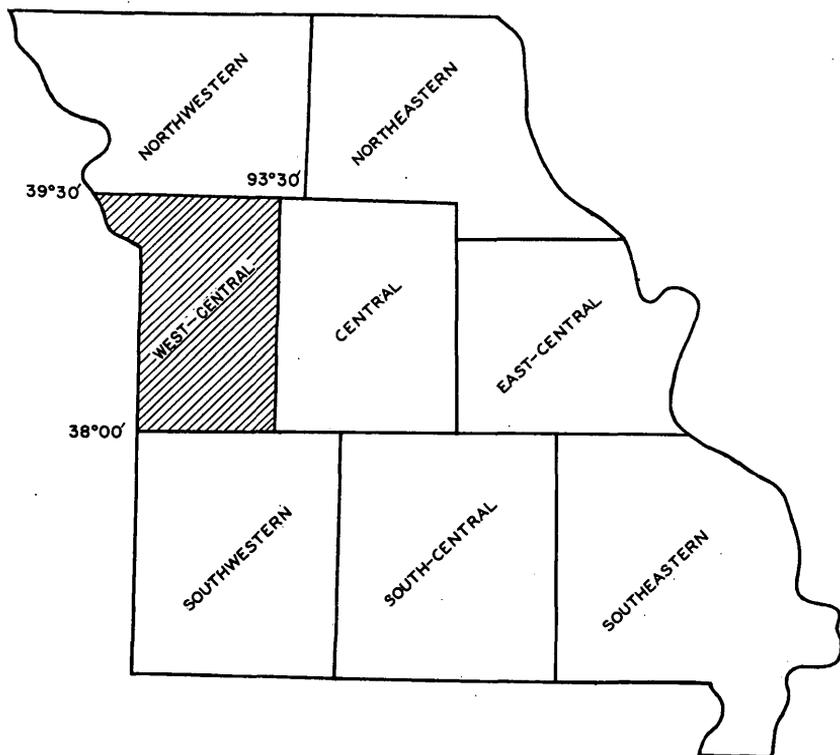


Figure 15.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as west-central Missouri.

shown on this index map for 15-minute quadrangles. On the index map the name of each quadrangle is accompanied by the number of the page on which begins the list of descriptions of benchmarks in that quadrangle.

Maps of many of the quadrangles in west-central Missouri may be purchased at 10 cents each retail or 6 cents each in lots of 50 or more. Prepayment is required and may be made by money order, payable to the Director, Geological Survey, United States Department of the Interior, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent.

Diagrams of quadrangles showing routes of leveling.—At the beginning of the list of benchmark descriptions for each quadrangle is a diagram showing the routes followed by the lines of leveling in and immediately adjacent to that quadrangle. To aid in identifying these routes, the boundaries of the townships and ranges in the quadrangle are indicated by light dashed lines, and the designations of these land subdivisions are given on the margin. The principal settlements are also shown. The solid lines represent the routes of the third-order leveling of the United States Geological Sur-

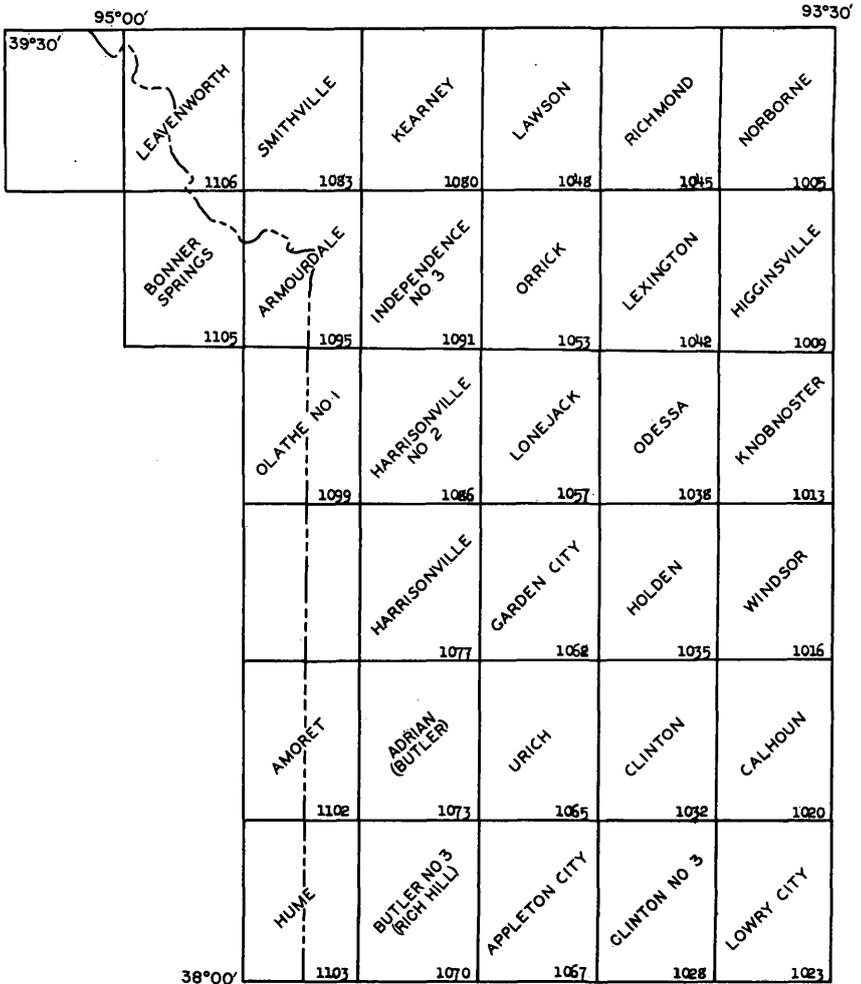


Figure 16.—Index map of west-central Missouri showing the quadrangles into which this section of the State has been divided. No leveling has been done by the United States Geological Survey in quadrangles in which no name appears.

vey. To each of these is assigned a number, and the same number is assigned to the list of descriptions of benchmarks along that route. The heavy dashed lines represent the first-order leveling of the United States Coast and Geodetic Survey.

A line of first-order levels from Carthage along the Missouri Pacific Railroad to Kansas City by W. V. Kennedy, in 1938, ran from Nevada quadrangle, which is in Bulletin 898-E through Butler No. 3, Adrian, Harrisonville, Harrisonville No. 2, Independence No. 3, and Armourdale with a spur from Harrisonville to Raymore. This leveling is a rerun of the United States Coast and Geodetic Survey lines "Harrisonville to Monett", "Harrisonville to Pleasant Hill", and "Pleasant Hill to Kansas City" and was run to reestablish a first-order tie in order that the third-order leveling could be adjusted to the 1929 datum. The results of this leveling probably will be published later by the United States Coast and Geodetic Survey.

Personnel.--The leveling of the United States Geological Survey in west-central Missouri was done under the supervision of the several chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. Included in the heading that precedes the descriptions of benchmarks established along any line of leveling are the name of the levelman who ran that line and the date when it was run, or, if this information has been omitted, it may be assumed that the levelman and date are the same as those indicated for the line immediately preceding. The adjustment of the third-order level net was done in the Washington office by V. S. Benfell, computer, assisted by P. W. Goin, junior engineer. The revision, correlation, and compilation of the descriptions of benchmarks was done in the field office at Rolla, Mo., by employees of the Works Progress Administration of Missouri, who also assembled the lists and made new type-written copies of them suitable for reproduction by photography. The work at Rolla was sponsored by the Missouri Geological Survey and Water Resources and was in charge of W. R. Broadus, of the United States Geological Survey. The work in the Washington office was under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

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| Long Branch Creek | 1016 | See also Mellon Bridge | |
| Lowry City | 1025, 1026, 1031 | Pleasant Hill (town) | 1088-1089 |
| Lowry City quadrangle | 1023-1027 | Pleasant Ridge Presbyterian Church | 1069 |
| Lunsford School | 1081 | Pleasant Valley School | 1071 |
| Magnolia | 1036 | Pleasant View School (Garden City quadrangle) | 1064 |
| Main City | 1076 | Pleasant View School (Odesa quad- rangle) | 1011 |
| Mandeville | 1006 | Prairie City | 1068 |
| Martin City | 1099 | Prairie Flower School | 1007 |
| Mattox, R. W., leveling by | 1016, 1017-1019, 1036-1037, 1039-1041, 1060-1061, 1063-1064 | Prairie Grove School | 1026 |
| Maurine | 1034 | Prairie Point Church | 1095 |
| McDougal, J., leveling by | 1090, 1100 | Quadrangles in west-central Mis- souri, index map showing | VII, VIII |
| McMillen, P. W., leveling by | 1083-1085, 1095, 1106 | See also descriptions and dia- grams under individual quadrangles | |
| McNutt School | 1025 | Quincy | 1026 |
| Mean sea level, definition of | VI | Racket | 1021 |
| Mecca | 1085 | | |
| Medford | 1035, 1064 | | |
| Mellon Bridge (over Platte River) | 1084 | | |

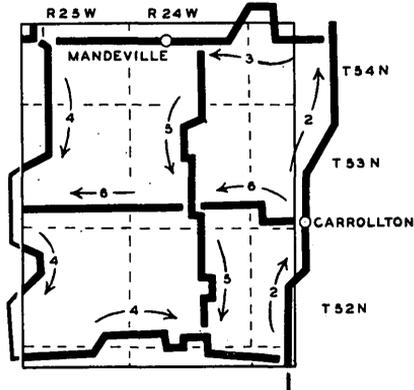
| | Page | | Page |
|---|---|--|--|
| Raymore | 1089, 1090 | Summit School | 1065 |
| Raytown | 1092 | Sunny Side School | 1092 |
| Rawls, J. M., leveling by | 1013-1015 | Taberville | 1030 |
| Redbush School | 1052 | Tabo Creek | 1010, 1014 |
| Reick, C. E., leveling by | 1086, 1091-1092, 1096 | Taitsville | 1015 |
| Rich Hill (town) | 1070, 1072 | Tarsney | 1059 |
| Rich Hill quadrangle. See Butler No. 3 quadrangle. | | Thompson, C. P., leveling by | 1007, 1021 |
| Richmond | 1047-1048, 1052 | Thornton triangulation sta | 1015, 1016-1017, 1021 |
| Richmond quadrangle | 1045-1048 | Tightwad | 1058 |
| Rock Creek | 1092 | Tinney Grove (village) | 1021 |
| Rocky Fork Creek | 1050 | Todd Creek | 1045 |
| Rocky Point School | 1097 | Town Creek | 1084 |
| Roscoe | 1029 | Trimble | 1083, 1084 |
| Roseland | 1022 | Trotter School | 1053 |
| Round Grove School | 1039 | Tudor, S. T., leveling by | 1009 |
| Roupe Creek | 1089 | 1021-1023, 1027, 1030, 1032-1034, 1066 | |
| Russellville Junction | 1046 | Tuka Springs | 1028 |
| Sac River | 1024 | Union Point School | 1087 |
| Santiago | 1022 | Urich | 1033, 1036 |
| Scaly Bark School | 1063 | Urich quadrangle | 1065-1066 |
| Schell City | 1068 | Valley City | 1014 |
| Scope of report | III | Van Horn Church | 1006 |
| Scott, S. E., leveling by | 1015, 1057-1059, 1088 | Vibbard | 1051 |
| Settles Station | 1085 | Virginia | 1074, 1103 |
| Seventh Day Adventist Church | 1061 | Vista | 1024 |
| Shawnee Mound (village) | 1037 | Waldron | 1105 |
| Sheeps Nose triangulation sta | 1043 | Warrensburg | 1013, 1014, 1016, 1041 |
| Shepherd, C. T., leveling by | 1020, 1021, 1025, 1029-1030, 1050, 1056, 1059-1061, 1062-1063, 1065-1066, 1068-1069, 1073, 1075-1079, 1081-1082, 1085, 1088-1090, 1093-1094, 1101, 1103 | Waterloo | 1012 |
| Shore Cemetery | 1059 | Waverly | 1010, 1012 |
| Slusher School | 1042 | Weatherford School | 1007 |
| Smithville | 1083, 1084 | Weaubleau Creek | 1025 |
| Smithville quadrangle | 1083-1085 | Wellington | 1042, 1056 |
| Sni A Bar Creek | 1059 | Whaley, F. L., leveling by | 1046, 1049 |
| Snyder Creek | 1026 | White Oak Creek | 1068 |
| South Creek | 1078 | White Sulphur Springs Camp | 1027 |
| South Grand River | 1076, 1078 | Williams, C. W., leveling by | 1010-1012, 1015, 1038-1039, 1042-1044, 1061-1062 |
| Staples School | 1091 | Willow Creek | 1042 |
| Star School No. 4 | 1035 | Windsor | 1017 |
| Stony Point School | 1104 | Windsor quadrangle | 1016-1019 |
| Strasburg | 1060 | Wolf Creek | 1043 |
| Sugar Creek (city) | 1092 | Wolf School | 1104 |
| Sugartree Church | 1007 | Works Progress Administration, co-operation with | III, IX |



THIRD-ORDER LEVELING

NORBORNE QUADRANGLE
(Latitude 39°15'–39°30'; longitude 93°30'–93°45')

Carroll County



1. FROM DAWN QUADRANGLE AT SEC. 8, T. 54 N., R. 25 W., WEST INTO RICHMOND QUADRANGLE AT SEC. 18, T. 54 N., R. 25 W.
(by E. B. Perry in 1921)*

T. 54 N., R. 25 W., cor. secs. 7, 8, 17, and 18, 22 ft. S. and 18 ft. W. from crossroads, 4 ft. S. and 1 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 43 S 1921 Mo"
Reference mark, 50 ft. N. 45° E. (W. ?) of post, at corner fence post, on concrete ledge; chiseled square

Feet
812.210
814.37

(Continued in Richmond quadrangle; see line 1.)

2. FROM HIGGINSVILLE QUADRANGLE NORTH ALONG U.S. HIGHWAY 65 TO COURTHOUSE IN CARROLLTON, THENCE NORTH ALONG MAIN STREET 2 MILES, THENCE EAST TO U.S. HIGHWAY 65, THENCE NORTH ALONG U.S. HIGHWAY 65 INTO HALE QUADRANGLE, INCLUDING THAT PART OF THE LINE IN CARROLLTON QUADRANGLE (by E. A. Barnes in 1936)**
(Continued from Higginsville quadrangle; see line 8.)

T. 51 N., R. 23 W., cor. secs. 5, 6, 7, and 8, 34 ft. S. and 32 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "478 C W A 1934"
Junction of rd. W.; surface of highway
Carrollton, 4.9 mi. S. of, on NW. wing wall of bridge over Bowdry Lake; chiseled square
Carrollton, 4.6 mi. S. of, 36 ft. W. of curve and in line with highway S., 62 ft. S. and 12 ft. W. from fence corner, 3 ft. inside fence, in concrete post; standard tablet stamped "1044 C W A 1934"
Carrollton, 3.6 mi. S. of, on center of W. head wall of concrete culvert; chiseled square
Crossroad; surface of highway
Carrollton, 2.6 mi. S. of, on NW. wing wall of concrete bridge; chiseled square
Carrollton, 2 mi. S. of, cor. secs. 8, 9, 16, and 17, T. 52 N., R. 23 W., 300 ft. N. of junction of rd. E., on center of W. head wall of concrete culvert; chiseled square
Carrollton, at S. limits of, 105 ft. N. and 30 ft. E. from junction of State Highway 10, 18 ft. N. of main track of Wabash Ry., on SW. corner of steel plate on S. concrete foundation block of W. face of water tank; chiseled cross
Carrollton, on South Main Street, 105 ft. N. and 27 ft. W. from junction of N. fork of Main Street, 18 ft. N. of main track of Atchison, Topeka & Santa Fe Ry., on W. side of concrete base of stone signal; chiseled square
Carrollton, 30 ft. S. and 37 ft. W. from SW. corner of courthouse, 50 ft. N. and 42 ft. E. from intersection of Folger and Washington Avenues, in concrete post; standard tablet stamped "1042 C W A 1934"
Carrollton, 2 mi. N. of, along Main Street, cor. secs. 20, 21, 28, and 29, T. 53 N., R. 23 W., 285 ft. E. of T-rd. S., at NW. corner of bridge over small creek, on concrete wing wall; chiseled square
Carrollton, 2 mi. N. and 0.5 mi. E. from, quarter cor. between secs. 21 and 28, T. 53 N., R. 23 W., 20 ft. N. and 30 ft. W. from crossroad, on center of N. head wall of concrete culvert; chiseled square
Carrollton, 3.1 mi. N. of, 28 ft. S. and 30 ft. W. from junction of rd. E., 40 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1045 C W A 1934"
Crossroad; surface of highway
Carrollton, 4.1 mi. N. of, at N. end of bridge, on inside curb of W. railing; chiseled square

665.184
665.1
665.46
664.278
665.99
668.9
664.01
665.88
668.69
668.40
753.829
713.92
773.56
762.433
758.2
712.38

*Published in line 5 of the Dawn quadrangle (see Bull. 898-D, p. 471).

**Published also as line 1 of the Carrollton quadrangle (see Bull. 898-G, pp. 959-960).

| | <u>Feet</u> |
|--|------------------|
| Crossroad, 20 ft. W. of, on center of S. head wall of concrete culvert; chiseled square | 710.38 |
| Carrollton, 5 mi. N. of, 51 ft. S. and 21 ft. W. from crossroad, on center of W. head wall of concrete culvert; chiseled square | 770.46 |
| Carrollton, 5.9 mi. N. of, 29 ft. S. and 36 ft. W. from junction of rd. W., 3 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "1046 C W A 1934" | 816.860 800.6 |
| Junction of rd. E.; surface of highway | |
| Carrollton, 7.2 mi. N. of, 3 ft. S. of NW. corner of bridge H-606, on inside curb; chiseled square | 721.15 |
| Carrollton, 8.5 mi. N. of, 15 ft. N. and 21 ft. W. from crossroad, on center of W. head wall of concrete culvert; chiseled square | 737.93 |
| Carrollton, about 9.4 mi. N. of, 58 ft. S. and 24 ft. W. from E.-W. crossroad, 8 1/2 ft. N. and 23 ft. E. from NE. corner of Van Horn Church, 18 ft. S. of entrance to cemetery, in concrete post; standard tablet stamped "1047 C W A 1934" | 800.973 |
| Carrollton, about 10.5 mi. N. of, 15 ft. N. and 18 ft. E. from E.-W. crossroad, on center of E. head wall of concrete culvert; chiseled square | 752.70 |
| 3. FROM SEC. 16, T. 54 N., R. 23 W., WEST TO SEC. 8, T. 54 N., R. 25 W., INCLUDING THAT PART OF THE LINE IN CARROLLTON AND DAWN QUADRANGLE (by B. A. Barnes in 1936)* | |
| T. 54 N., R. 23 W., cor. secs. 16, 17, 20, and 21, 40 ft. N. and 33 ft. E. from crossroads, on center of N. head wall of concrete culvert; chiseled square | 834.22 |
| T. 54 N., R. 23 W., cor. secs. 17, 18, 19, and 20, 18 ft. S. and 150 ft. W. from T-rd. W., in root on SW. side of 24-in. elm tree; copper nail and washer | 770.49 |
| T. 54 N., R. 23 W., W. sixteenth cor. between secs. 18 and 19, 12 ft. N. and 114 ft. E. from crossroads, in root on S. side of 14-in. elm tree; copper nail and washer | 804.69 |
| T. 54 N., R. 23 W., 0.2 mi. E. of W. cor. secs. 18 and 19, 12 ft. S. and 20 ft. E. from crossroads, 2 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 52 O 1936" | 806.403 |
| T. 54 N., R. 23 W., near center of NW 1/4 sec. 18, 15 ft. S. and 60 ft. W. from T-rd. W., in root on NW. side of 12-in. hickory tree; copper nail and washer | 755.35 |
| T-rd. N., 36 ft. N. and 30 ft. E. from, in root on SE. side of 14-in. white oak tree; crossed nails | 764.10 |
| T. 54 N., R. 24 W., approximate N. sixteenth cor. between secs. 13 and 14, 90 ft. S. and 120 ft. E. from T-rd. N., on W. side of concrete well block; chiseled square | 808.26 |
| T. 54 N., R. 24 W., S. sixteenth cor. between secs. 11 and 12, 15 ft. S. and 230 (192 ?) ft. E. from T-rd. N., 15 ft. S. and 15 ft. E. from rd. corner; iron post stamped "Prim Trav Sta No 54 S 1921 Mo" | 846.931 |
| T. 54 N., R. 24 W., cor. secs. 10, 11, 14, and 15, 40 ft. N. and 14 ft. W. from T-rd. E., in root on SE. side of 24-in. elm tree; copper nail and washer | 793.49 |
| T. 54 N., R. 24 W., quarter cor. between secs. 14 and 15, 25 ft. S. and 30 ft. E. from T-rd. S., in root on SE. side of 14-in. hickory tree; copper nail and washer | 807.40 |
| T-rd. N., 18 ft. N. and 100 ft. E. from, in root on S. side of 16-in. elm tree; crossed nails | 812.62 |
| Mandeville, 1.5 mi. E., thence 0.5 mi. S. from, center sec. 16, T. 54 N., R. 24 W., 18 ft. S. and 21 ft. W. from T-rd. E., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "470 C W A 1934" | 930.504 |
| Mandeville, about 1.2 mi. E. of, approximate W. sixteenth cor. between secs. 9 and 16, T. 54 N., R. 24 W., 30 ft. N. and 300 ft. E. from T-rd. N., 30 ft. SE. of SE. corner of small farmhouse, in root on NW. side of 36-in. maple tree; copper nail and washer | 945.17 |
| Mandeville, in NW 1/4 sec. 17, T. 54 N., R. 24 W., in SW. corner of concrete porch of Christian Church; standard tablet stamped "Prim Trav Sta No 53 S 1921 Mo" | 973.704 |
| Mandeville, 1 mi. W. of, approximate W. sixteenth cor. between secs. 7 and 18, T. 54 N., R. 24 W., 30 ft. N. and 6 ft. W. from T-rd. S., in root on N. side of 36-in. maple tree; copper nail and washer | 872.29 |
| T-rd. W., 20 ft. S. and 210 ft. W. from, in root on S. side of 16-in. elm tree; crossed nails | 834.15 |
| T. 54 N., R. 25 W., cor. secs. 11, 12, 13, and 14, 2 ft. S. and 60 ft. W. from T-rd. E., in root on E. side of 20-in. elm tree; copper nail and washer | 781.87 |
| T. 54 N., R. 25 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 40 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 52 S 1921 Mo" | 759.248 |
| Reference mark 1, 80 ft. SE. of post, in root on E. side of 12-in. elm tree; copper nail and washer | 757.97 |
| Reference mark 2, 75 ft. E. of post, on N. head wall of concrete culvert; chiseled square | 757.80 |
| T. 54 N., R. 25 W., cor. secs. 9, 10, 15, and 16, 36 ft. S. and 80 ft. E. from crossroads, 115 ft. N. of NW. corner of farmhouse of Homer Austin, in root on NW. side of 30-in. maple tree; copper nail and washer | 740.92 |
| T. 54 N., R. 25 W., cor. secs. 8, 9, 16, and 17, 21 ft. S. and 21 ft. W. from crossroads, in root on N. side of 14-in. walnut tree; copper nail and washer | 836.58 |

*Published also as line 6 of the Dawn quadrangle (see Bull. 898-D, pp. 471-472).

| | |
|---|-------------------|
| 4. FROM SEC. 8, T. 54 N., R. 25 W., SOUTH TO SEC. 6, T. 51 N., R. 25 W., THENCE EAST ALONG STATE HIGHWAY 10 AND OTHER ROADS TO SEC. 6, T. 51 N., R. 23 W. (by B. A. Barnes in 1936) | |
| T. 54 N., R. 25 W., cor. secs. 17, 18, 19, and 20, 25 ft. N. and 20 ft. E. from crossroads, in root on NW. side of 14-in. locust tree; copper nail and washer | Feet 788.83 |
| T. 54 N., R. 25 W., cor. secs. 19, 20, 29, and 30, 57 ft. S. and 20 ft. E. from crossroads, 40 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "1040 C W A 1934" | 801.339 |
| T. 54 N., R. 25 W., cor. secs. 29, 30, 31, and 32, 150 ft. S. and 30 ft. W. from crossroads, in root on SE. side of 10-in. black-oak tree; copper nail and washer | 807.47 |
| Tps. 53 and 54 N., R. 25 W., approximate cor. secs. 5, 6, 31, and 32, 140 ft. S. and 120 ft. W. from crossroads, on S. end of bottom concrete step to church; chiseled square | 840.08 |
| T. 53 N., R. 25 W., cor. secs. 5, 6, 7, and 8, 0.5 mi. N. of Prairie Flower School, 51 ft. S. and 32 ft. E. from crossroads, 28 ft. S. and 10 ft. E. from fence corner, in concrete post; standard tablet stamped "1039 C W A 1934" | 845.225 |
| T. 53 N., R. 25 W., cor. secs. 7, 8, 17, and 18, 25 ft. N. and 195 ft. W. from crossroads, in root on SE. side of 20-in. gum tree; copper nail and washer | 786.90 750.78 |
| Small bridge, on NE. concrete wing wall; chiseled square | |
| (For balance in Richmond quadrangle, see line 4.) | |
| Carroll triangulation sta.; Missouri River Commission iron post designated "Carroll" | 776.077 |
| (For balance in Richmond quadrangle, see line 4.) | |
| T. 51 N., R. 25 W., E. sixteenth cor. on N. line sec. 6, 33 ft. S. and 16 ft. W. from junction of rd. S., on center of W. head wall of concrete culvert; chiseled square | 680.10 |
| T. 52 N., R. 25 W., S. cor. secs. 32 and 33, 33 ft. N. and 12 ft. W. from junction of rd. N., on center of W. head wall of concrete culvert; chiseled square | 676.04 |
| Tps. 51 and 52 N., R. 25 W., on line between secs. 4 and 33, 50 ft. S. and 10 ft. W. from junction of rd. S., on center of W. concrete curb of small bridge; chiseled square | 677.14 |
| Tps. 51 and 52 N., R. 25 W., cor. secs. 3, 4, 33, and 34, 55 ft. N. and 41 ft. E. from junction of rd. S., 2 ft. S. and 25 ft. E. from fence corner, in concrete post; standard tablet stamped "1033 C W A 1934" | 673.587 |
| Tps. 51 and 52 N., R. 25 W., cor. secs. 2, 3, 34, and 35, 90 ft. E. of highway at turn from W.-N., 230 ft. W. of rd. S., 35 ft. W. of rd. N., on center of concrete curb of small bridge; chiseled square | 676.72 |
| T. 52 N., R. 25 W., E. sixteenth cor. on S. line sec. 35, 50 ft. N. and 25 ft. E. from T-rd. W., in root on NW. side of 38-in. maple tree; copper nail and washer | 678.12 |
| T. 52 N., R. 25 W., in E 1/2 sec. 35, in yard of Weatherford School, 44 ft. N. and 30 ft. W. from T-rd. S., in root on S. side of 28-in. maple tree; crossed nails | 678.76 676.740 |
| U.S.C.E. B.M. designated "60/2" (Top of cap) | |
| T. 52 N., R. 25 W., center sec. 36, 63 ft. N. and 18 ft. W. from rd. W. at fence S., 8 ft. N. of rd. E. (produced), 4 ft. W. of fence, in concrete post; standard tablet stamped "1034 C W A 1934" | 677.689 |
| T-rd. S., 10 ft. N. and 54 ft. W. from, on N. end of concrete culvert; chiseled square | 676.32 |
| T. 52 N., R. 24 W., quarter cor. between secs. 31 and 32, 245 ft. S. and 40 ft. W. from T-rd. W., in root on NE. side of twin 40-in. locust tree; copper nail and washer | 673.87 |
| T. 52 N., R. 24 W., in SW 1/4 sec. 32, 45 ft. N. and 36 ft. E. from T-rd. E., in root on NE. side of 40-in. maple tree; crossed nails | 678.14 |
| T. 52 N., R. 24 W., S. quarter cor. sec. 32, 6 ft. S. and 293 ft. W. from iron pipe, 37 ft. S. of rd. at curve, 6 ft. E. of fence, in concrete post; standard tablet stamped "1035 C W A 1934" | 668.777 |
| T. 52 N., R. 24 W., about 0.3 mi. N. of S. cor. secs. 32 and 33, on SE. corner of concrete porch of Sugartree Church; chiseled square | 681.94 |
| T. 52 N., R. 24 W., about 0.3 mi. N. of S. cor. secs. 33 and 34, 12 ft. S. and 63 ft. W. from crossroads, on SW. concrete wing wall of small bridge; chiseled square | 673.61 |
| T. 51 N., R. 24 W., cor. secs. 3, 4, 9, and 10, 48 ft. N. and 12 ft. E. from T-rd. N., in root on SW. side of 38-in. maple tree; copper nail and washer | 670.10 |
| T. 51 N., R. 24 W., cor. secs. 2, 3, 10, and 11, 23 ft. N. and 41 ft. E. from crossroads, 1 ft. S. and 3 ft. E. from SE. corner of Sugartree township voting house, in concrete post; standard tablet stamped "477 C W A 1934" | 666.705 |
| T. 51 N., R. 24 W., cor. secs. 1, 2, 11, and 12, 40 ft. N. and 250 ft. W. from crossroads, in root on S. side of 44-in. maple tree; copper nail and washer | 667.65 |
| T. 51 N., R. 23 W., cor. secs. 1, 6, 7, and 12, 40 ft. N. and 280 ft. E. from T-rd. S., in root on S. side of 40-in. maple tree; copper nail and washer | 666.51 |

5. FROM SEC. 16, T. 54 N., R. 24 W., SOUTH TO SEC. 33, T. 52 N., R. 24 W. (by B. A. Barnes in 1936)

| | Feet |
|--|---------|
| T. 54 N., R. 24 W., approximate center sec. 21, 300 ft. SE. of T-rd. W., 21 ft. E. of rd., in root on SE. side of twin 8-in. wild-cherry tree; copper nail and washer | 862.35 |
| T. 54 N., R. 24 W., W. sixteenth cor. between secs. 21 and 28, 30 ft. S. and 120 ft. W. from T-rd. N., 40 ft. NW. of NW. corner of dwelling, in root of 40-in. maple tree; copper nail and washer | 841.94 |
| T. 54 N., R. 24 W., N. sixteenth cor. sec. 33, 69 ft. N. and 20 ft. W. from T-rd. E., 19 ft. N. and 31 ft. E. from dwelling of George Sheehan, 3 ft. S. of fence, in concrete post; standard tablet stamped "469 C W A 1934" | 834.730 |
| T-rd. S., 12 ft. S. and 45 ft. E. from, in root on E. side of 20-in. elm tree; crossed nails | 774.04 |
| T. 53 N., R. 24 W., N. cor. secs. 4 and 5, 24 ft. S. and 21 ft. W. from T-rd. S., in root on NE. side of 12-in. mulberry tree; copper nail and washer | 822.20 |
| T. 53 N., R. 24 W., near NW. cor. sec. 9, in valley, on center of E. head wall of concrete culvert; chiseled square | 744.23 |
| T. 53 N., R. 24 W., quarter cor. between secs. 8 and 9, 24 ft. N. and 3 ft. W. from T-rd. S., 4 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "468 C W A 1934" | 738.085 |
| T. 53 N., R. 24 W., near center of NW 1/4 sec. 16, 20 ft. S. and 40 ft. W. from rd. corner W-S., in root on N. side of 10-in. hedge tree; copper nail and washer | 755.88 |
| T-rd. E., 18 ft. S. and 21 ft. E. from, in root on NE. side of 14-in. white-oak tree; crossed nails | 717.04 |
| T. 53 N., R. 24 W., in SW 1/4 sec. 21, 66 ft. S. and 12 ft. W. from T-rd. E., on center of W. head wall of concrete culvert; chiseled square | 738.71 |
| T-rd. W., 18 ft. S. and 21 ft. W. from, in root on E. side of 12-in. maple tree; crossed nails | 744.40 |
| T. 53 N., R. 24 W., center of NW 1/4 sec. 28, 54 ft. S. and 17 ft. E. from crossroads, at Cook's Corner, 32 ft. N. and 6 ft. W. from NW. corner of old Cook dwelling, in concrete post; standard tablet stamped "467 C W A 1934" | 781.380 |
| T. 53 N., R. 24 W., E. sixteenth cor. between secs. 28 and 33, 30 ft. N. and 50 ft. E. from T-rd. E. (W. ?), in root on W. side of 36-in. elm tree; copper nail and washer | 784.64 |
| T-rd. W., 30 ft. S. and 42 ft. E. from, in root on SW. side of 10-in. elm tree; crossed nails | 738.94 |
| T. 53 N., R. 24 W., in SW 1/4 sec. 33, at N. pier on upstream side of bridge over drainage ditch, on outside rivet head; chiseled cross | 673.60 |
| T. 52 N., R. 24 W., center sec. 4, 43 ft. N. and 34 ft. E. from T-rd. N., 27 ft. S. and 26 ft. W. from SW. corner of farmhouse of E. Bellis, in concrete post; standard tablet stamped "474 C W A 1934" | 674.986 |
| Crossroads, 12 ft. S. and 18 ft. W. from, on head wall of concrete culvert; chiseled square | 674.09 |
| T. 52 N., R. 24 W., quarter cor. between secs. 9 and 10, 15 ft. W. of T-rd. E., in root on S. side of 12-in. locust tree; copper nail and washer | 675.18 |
| T-rd. W., 15 ft. N. and 18 ft. W. from, on center of N. head wall of concrete culvert; chiseled square | 676.48 |
| Norborne, 4.5 mi. NE. of, along State Highway 10, 58 ft. N. and 21 ft. E. from crossroad, 22 ft. S. and 20 ft. E. from Wabash Ry. at rd. crossing, in concrete post; standard tablet stamped "475 C W A 1934" | 677.352 |
| T. 52 N., R. 24 W., S. sixteenth cor. between secs. 15 and 16, 84 ft. N. and 18 ft. W. from T-rd. W., in root on NE. side of 18-in. elm tree; copper nail and washer | 676.28 |
| T. 52 N., R. 24 W., quarter cor. between secs. 15 and 22, 40 ft. N. and 15 ft. W. from T-rd. S., in root on SE. side of 30-in. cottonwood tree; copper nail and washer | 666.97 |
| T. 52 N., R. 24 W., quarter cor. between secs. 22 and 27, 372 ft. N. and 40 ft. W. from T-rd. N., in root on S. side of 22-in. ash tree; copper nail and washer | 674.45 |
| T. 52 N., R. 24 W., quarter cor. between secs. 27 and 28, 3 ft. N. and 21 ft. W. from rd. corner E-S., 16 ft. S. and 2 ft. W. (E. ?) from fence corner, in concrete post; standard tablet stamped "476 C W A 1934" | 674.048 |

6. FROM CARROLLTON QUADRANGLE AT CARROLLTON, WEST INTO RICHMOND QUADRANGLE AT SEC. 19, T. 53 N., R. 25 W. (by B. A. Barnes in 1936)

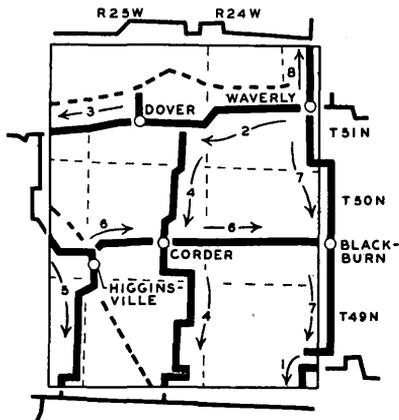
| | |
|--|---------|
| Carrollton triangulation sta.; Missouri River Commission iron post designated "Carrollton" | 767.722 |
| T. 53 N., R. 23 W., near S. sixteenth cor. between secs. 31 and 32, 60 ft. S. and 33 ft. W. from County Route E at rd. S., in root on SW. side of 22-in. maple tree; copper nail and washer | 745.82 |
| T-rd. N., 26 ft. S. and 18 ft. E. from, in telephone pole; spike | 766.22 |
| T. 53 N., R. 23 W., in NW 1/4 sec. 31, 305 ft. E. (W. ?) of T-rd. N., 309 ft. E. of T-rd. S., in front yard of W. R. Henderson, 55 ft. N. of rd., in root on SW. side of 12-in. maple tree; copper nail and washer | 791.88 |
| T. 53 N., Rs. 23 and 24 W., quarter cor. between secs. 25 and 30, 115 ft. N. and 480 ft. W. from crossroads, in root on S. side of 36-in. elm tree; copper nail and washer | 800.04 |
| T. 53 N., R. 24 W., W. sixteenth cor. sec. 25, 27 ft. S. and 112 ft. E. from T-rd. S., 1 ft. N. and 97 ft. E. from fence corner, in concrete post; standard tablet stamped "1041 C W A 1934" | 802.846 |

| | Feet |
|---|------------------|
| T-rd. N., 21 ft. S. and 60 ft. E. from, on center of S. head wall of concrete culvert; chiseled square | 747.77 |
| T. 53 N., R. 24 W., in NW 1/4 sec. 26, 95 ft. S. and 60 ft. W. from SW. corner of Trotter School, 65 ft. N. of rd., in root on SW. side of 14-in. walnut tree; copper nail and washer | 772.21 |
| T. 53 N., R. 24 W., in NW 1/4 sec. 26, 520 ft. W. of T-rd. N., on center of N. head wall of large concrete culvert; chiseled square | 699.58 |
| T. 53 N., R. 24 W., on line between secs. 26 and 27, 265 ft. E. of T-rd. N., S. of rd. opposite farmhouse of M. E. Harper, in root on W. side of 14-in. elm tree; copper nail and washer | 745.87 724.54 |
| Crossroads, 30 ft. S. and 27 ft. W. from, in telephone pole; spike | |
| T-rd. S., 24 ft. N. and 39 ft. E. from, in picket-fence corner, in root on S. side of 16-in. maple tree; copper nail and washer | 770.92 |
| T. 53 N., R. 24 W., W. sixteenth cor. between secs. 20 and 29, 45 ft. N. and 66 ft. E. from T-rd. N., in root on W. side of 12-in. hickory tree; copper nail and washer | 720.09 |
| T. 53 N., R. 24 W., quarter cor. between secs. 19 and 30, 72 ft. N. and 118 ft. W. from crossroads, at SE. corner of farmhouse of William Miller, on S. end of concrete step; chiseled square | 715.20 720.50 |
| Crossroads, 45 ft. S. and 35 ft. W. from, in telephone pole; spike | |
| T. 53 N., R. 25 W., cor. secs. 23, 24, 25, and 26, 32 ft. N. and 21 ft. E. from crossroads, 2 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "466 C W A 1934" | 686.012 |
| T. 53 N., R. 25 W., cor. secs. 22, 23, 26, and 27, 240 ft. N. and 240 ft. E. from County Route D at rd. junction, 15 ft. S. and 12 ft. W. from T-rd. S., on N. end of W. head wall of concrete culvert; chiseled square | 697.84 |
| T. 53 N., R. 25 W., cor. secs. 21, 22, 27, and 28, 155 ft. S. and 90 ft. W. from crossroads, 36 ft. N. and 12 ft. E. from church, in root on N. side of 36-in. maple tree; copper nail and washer | 759.17 |
| T. 53 N., R. 25 W., cor. secs. 20, 21, 28, and 29, 33 ft. S. and 26 ft. W. from crossroads, 14 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "465 C W A 1934" (reported destroyed) | None |
| Reference mark, 85 ft. N. and 120 ft. E. from crossroads, in root on S. side of 34-in. maple tree; copper nail and washer | 778.09 |
| T. 53 N., R. 25 W., cor. secs. 19, 20, 29, and 30, 15 ft. N. and 75 ft. W. from T-rd. N., 15 ft. N. and 27 ft. E. from T-rd. S., on NW. wing wall of small bridge; chiseled square | 712.79 |

HIGGINSVILLE QUADRANGLE

(Latitude 39°00'-39°15'; longitude 93°30'-93°45')

Carroll and Lafayette Counties



1. FROM MALTA BEND QUADRANGLE AT SEC. 24, T. 49 N., R. 24 W., SOUTH INTO KNOBOSTER QUADRANGLE AT SEC. 36, T. 49 N., R. 24 W. (by C. P. Thompson in 1934)*

| | |
|--|---------|
| T. 49 N., R. 24 W., center sec. 24, 56 ft. S. and 19 ft. E. from crossroads, in concrete post; standard tablet stamped "484 C W A 1934" | 718.374 |
| Reference mark, 438 ft. N. of tablet, in root on W. side of 18-in. hackberry tree; copper nail and washer | 724.55 |
| T. 49 N., R. 24 W., near center sec. 25, at NW. corner of bridge over Davis Creek, in SW. corner of N. cross beam, on rivet; chiseled mark | 667.02 |

*Published in line 1 of the Malta Bend quadrangle (see Bull. 898-G, p. 963).

2. FROM WAVERLY WEST ALONG U.S. HIGHWAY 24 TO DOVER, THENCE NORTH ALONG ROADS TO SEC. 9, T. 51 N., R. 25 W.
(by C. W. Williams in 1936)

| | <u>Feet</u> |
|---|----------------------------|
| U.S.C.E. B.M. designated "185-58/1" (elev. of top of cap 687.781) | 683.686 |
| Waverly, 15 ft. N. and 70 ft. E. from center of triangle formed by junction of U.S. Highway 65, 4 ft. N. and 2 ft. E. from telegraph pole, in concrete post; standard tablet stamped "479 C W A 1934" | 808.061 |
| Reference mark, at SE. point of triangle, on N. head wall of concrete culvert; chiseled square | 802.45 818.9 |
| Waverly, near W. edge of, at crossroad; surface of highway | 806.45 |
| Waverly, 0.5 mi. W. of, 15 ft. S. and 85 ft. W. from junction of rd. W., on concrete curb; chiseled square | 816.6 |
| Highway at pipe-line crossing; painted square | |
| Waverly, 1.6 mi. W. of, 15 ft. N. and 70 ft. E. from junction of State Highway 23, in root on S. side of 30-in. oak tree; nail and washer | 733.56 |
| Junction of rd. S.; surface of highway | 837.5 |
| Waverly, 3.5 mi. W. of, about 500 ft. W. of junction of rd. S., 58 ft. S. and 6 ft. W. from SE. corner of farmhouse of Julius Schowe, 41 ft. N. of highway, in concrete post; standard tablet stamped "1002 C W A 1934" | 833.220 |
| T. 51 N., R. 24 W., in NE 1/4 sec. 19, at junction of rd. N., on S. concrete curb of highway; chiseled square | 787.66 |
| T. 51 N., R. 24 W., near W. sixteenth cor. sec. 19, at junction of rd. S., on N. concrete curb of highway; chiseled square | 839.51 |
| T. 51 N., R. 25 W., near E. sixteenth cor. sec. 24, 70 ft. N. of junction of rd. NW., in root on NE. side of 18-in. walnut tree; copper nail and washer | 895.18 886.98 |
| Junction of rd. S., on W. head wall of concrete culvert; chiseled square | |
| T. 51 N., R. 25 W., near quarter cor. between secs. 23 and 26, at SE. corner of Hitt School, in bottom concrete step; standard tablet | 870.947 |
| Reference mark, on SE. corner of concrete well curb; chiseled square | 869.63 |
| T. 51 N., R. 25 W., E. sixteenth cor. between secs. 22 and 27, 52 ft. N. and 83 ft. W. from junction of County Route N, on E. end of concrete base of gasoline pump; chiseled square | 880.89 |
| T. 51 N., R. 25 W., near E. sixteenth cor. between secs. 21 and 28, 30 ft. N. and 15 ft. W. from junction of rd. N., on center of W. head wall of concrete culvert; chiseled square | 799.57 836.9 |
| Junction of rd. S.; surface of highway | |
| Dover, 36 ft. S. and 207 ft. E. from junction of County Route P, 20 ft. N. and 61 ft. E. from NE. corner of dwelling of G. F. Zeysing, in concrete post; standard tablet stamped "485 C W A 1934" | 816.948 |
| Reference mark, 52 ft. N. and 24 ft. E. from junction of County Route P, on top of W. end of concrete base of gasoline pump; chiseled square | 818.95 |
| Dover, 0.7 mi. N. of, in sec. 20, T. 51 N., R. 25 W., 100 ft. N. and 25 ft. W. from crossroads, in root on E. side of 42-in. elm tree; copper nail and washer | 733.37 794.40 842.62 |
| T-rd. E., on NE. end of iron pipe culvert; painted square | |
| T-rd. E., in fence post; nails | |
| T. 51 N., R. 25 W., 325 ft. E. of W. quarter cor. sec. 16, 30 ft. S. of dwelling, 15 ft. N. of rd., in root on SE. side of large oak tree; copper nail and washer | 900.92 |
| Dover triangulation sta.; Missouri River Commission iron post designated "Dover" | |
| Top of cap | 841.719 |
| Reference mark, 10 ft. S. and 25 ft. E. from sta., in NE. side of 14-in. oak tree; copper nail and washer | 833.88 |
| U.S.C.E. B.M. designated "193-60/1" (elev. of top of cap 684.070) | 680.002 |

3. FROM DOVER WEST ALONG U.S. HIGHWAY 24 INTO LEXINGTON QUADRANGLE
(by C. W. Williams in 1936)

| | |
|--|---------|
| T. 51 N., R. 25 W., near center sec. 30, 28 ft. S. and 12 ft. E. from crossroad, on top of E. concrete head wall of culvert; chiseled square | 811.73 |
| T. 51 N., R. 25 W., near W. quarter cor. sec. 30, at junction of rd. N., on S. concrete curb of highway; chiseled square | 806.98 |
| Junction of rd. S.; surface of highway | 798.2 |
| Dover, about 2 mi. W. of, 33 ft. N. and 35 ft. W. from junction of rd. N., 31 ft. S. and 26 ft. E. from SE. corner of Garr School, in concrete post; standard tablet stamped "1006 C W A 1934" | 801.186 |
| Bridge over Tabo Creek, at NE. corner of, on top of northeasternmost rivet head; chiseled cross | 686.77 |

(Continued in Lexington quadrangle; see line 3.)

4. FROM POINT ABOUT 3 MILES EAST OF DOVER SOUTH BY WAY OF CORDER INTO KNOBOSTER QUADRANGLE AT SEC. 35, T. 49 N., R. 25 W.
(by C. W. Williams in 1936)

| | |
|--|------------------|
| T. 51 N., R. 25 W., in NW 1/4 sec. 35, on NE. corner of sidewalk to farmhouse; chiseled square | 818.85 |
| Concrete culvert, on W. head wall; chiseled square | 772.70 |
| T. 50 N., R. 25 W., N. sixteenth cor. sec. 2, 88 ft. N. and 16 ft. W. from T-rd. N., in root on NE. side of 28-in. wild-cherry tree; copper nail and washer | 774.18 803.37 |
| T-rd. W., NW. of, in base of telephone pole; spike | |
| T. 50 N., R. 25 W., E. sixteenth cor. between secs. 2 and 11, 23 ft. S. and 2 ft. W. from T-rd. N., in concrete post; standard tablet stamped "487 C W A 1934" | 795.544 |

| | <u>Feet</u> |
|--|------------------|
| T. 50 N., R. 25 W., near center sec. 11, 95 ft. S. and 218 ft. E. from T-rd. N., in root on SW. side of 16-in. hedge tree; copper nail and washer | 808.54 832.20 |
| T-rd. E., W. of, in base of telephone pole; spike | |
| T. 50 N., R. 25 W., near N. sixteenth cor. between secs. 22 and 23, 36 ft. N. and 15 ft. W. from T-rd. S., in base of power-line pole; spike | 855.00 |
| T. 50 N., R. 25 W., quarter cor. between secs. 14 and 23, 39 ft. N. and 24 ft. W. from T-rd. E., in root on S. side of twin wild-cherry tree; copper nail and washer | 803.44 |
| Corder, 0.5 mi. N. of, 75 ft. N. and 43 ft. E. from junction of State Highway 20 and County Route V, 14 ft. N. of telegraph pole, in concrete post; standard tablet stamped "488 C W A 1934" (reset) | 834.825 |
| Corder, 6 ft. N. and 10 ft. E. from entrance to post office, in concrete sidewalk; hitching ring | 870.42 |
| T. 50 N., R. 25 W., quarter cor. between secs. 34 and 35, 165 ft. N. and 17 ft. E. from T-rd. W., on top of E. head wall of concrete culvert; chiseled square | 827.88 |
| T. 50 N., R. 25 W., S. cor. secs. 34 and 35, 26 ft. S. and 15 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square | 836.78 |
| T-rd. S., on W. end of iron pipe culvert; painted square | 813.45 |
| Tps. 49 and 50 N., R. 25 W., approximate quarter cor. between secs. 1 and 36, 73 ft. W. of rd. S., 87 ft. W. of rd. N., 21 ft. S. of rd., in concrete post; standard tablet stamped "489 C W A 1934" | 821.990 |
| Reference mark, 260 ft. N. and 16 ft. E. from T-rd. W., in root on NW. side of large cottonwood tree; copper nail and washer | 815.74 |
| T. 49 N., R. 25 W., near center sec. 1, 43 ft. S. and 25 ft. E. from T-rd. E., in root on SW. side of 14-in. hedge tree; copper nail and washer | 823.72 |
| T. 49 N., R. 25 W., near center sec. 12, 20 ft. S. and 14 ft. E. from T-rd. W., in root on W. side of 20-in. locust tree; copper nail and washer | 817.04 |
| T. 49 N., R. 25 W., E. sixteenth cor. between secs. 12 and 13, 12 ft. N. and 21 ft. W. from T-rd. E., in root on S. side of 16-in. oak tree; copper nail and washer | 748.80 |
| T. 49 N., R. 25 W., E. sixteenth cor. sec. 13, 26 ft. N. and 31 ft. W. from T-rd. N., 2 ft. NW. of fence, in concrete post; standard tablet stamped "490 C W A 1934" | 745.454 |
| T. 49 N., R. 25 W., E. sixteenth cor. sec. 14, 15 ft. E. of T-rd. S., in center of rd., on large stone; chiseled square | 812.89 |
| T-rd. E., on S. end of iron pipe culvert; chiseled cross | 787.15 |
| T. 49 N., R. 25 W., near center sec. 23, 17 ft. N. and 41 ft. W. from T-rd. N., in root on E. side of 8-in. hedge tree; copper nail and washer | 718.88 |
| T. 49 N., R. 25 W., in NE 1/4 sec. 26, at NE. corner of bridge over Davis Creek ditch, on bolt head; chiseled cross | 691.56 |
| T-rd. E., on N. end of iron pipe culvert; chiseled cross | 697.99 |
| T. 49 N., R. 25 W., quarter cor. between secs. 25 and 26, 12 ft. N. and 7 ft. E. from rd. corner W.-S. and private rd. E., 5 ft. N. and 9 ft. E. from fence corner, in concrete post; standard tablet stamped "491 C W A 1934" | 697.171 |
| T-rd. N., in root on SW. side of 24-in. wild-cherry tree; crossed nails | 795.64 |
| T. 49 N., R. 25 W., E. sixteenth cor. between secs. 26 and 35, 26 ft. S. and 35 ft. E. from crossroads, in root on SW. side of 13-in. hedge tree; copper nail and washer | 809.17 |
| T-rd. W., in base on W. side of telephone pole; spike | 786.35 |

(Continued in Knobnoster quadrangle; see line 12.)

5. FROM LEXINGTON QUADRANGLE SOUTH ALONG STATE HIGHWAY 13 BY WAY OF HIGGINSVILLE INTO KNOBOSTER QUADRANGLE (by C. W. Williams in 1936)

(Continued from Lexington quadrangle; see line 7.)

| | |
|---|---------|
| Higginville, about 1.5 mi. NW. of, 33 ft. N. and 75 ft. W. from junction of rd. NE. to Confederate Soldier's Home, in concrete post; standard tablet stamped "1009 C W A 1934" | 776.340 |
| Reference mark, 20 ft. N. and 11 ft. W. from junction of rd. NE., on W. concrete head wall of culvert; chiseled square | 773.02 |
| Higginville, 1 mi. N. of, 20 ft. S. and 16 ft. W. from junction of State Highway 20, on N. concrete head wall of culvert; chiseled square | 827.00 |
| U.S.C. & G.S. standard disk stamped "Z 96 1935" | 827.131 |
| U.S.C. & G.S. standard disk stamped "Higginville 1934" | 835.507 |
| Higginville, 0.5 mi. SW. of, 37 ft. N. and 68 ft. W. from NW. corner of dwelling of W. M. Stoll, 29 ft. S. and 29 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "1010 C W A 1934" | 852.541 |
| T. 49 N., R. 26 W., near W. sixteenth cor. between secs. 12 and 13, 15 ft. S. and 22 ft. W. from crossroad, on S. concrete head wall of culvert; chiseled square | 844.03 |
| T. 49 N., R. 26 W., near W. sixteenth cor. between secs. 13 and 24, 20 ft. S. and 29 ft. W. from crossroad, in base of power-line pole; spike | 799.10 |
| Large concrete culvert, on W. head wall; chiseled square | 756.91 |
| T. 49 N., R. 26 W., W. sixteenth cor. between secs. 24 and 25, 1.5 mi. N. of junction of U.S. Highway 40, 50 ft. N. and 32 ft. W. from crossroad, 27 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1011 C W A 1934" | 798.488 |
| Concrete culvert over creek, on E. head wall; chiseled square | 750.55 |
| T. 49 N., R. 26 W., W. sixteenth cor. sec. 36, 115 ft. S. and 58 ft. W. from junction of U.S. Highway 40, in base of telephone pole; spike | 793.82 |

(Continued in Knobnoster quadrangle; see line 11.)

6. FROM HIGGINSVILLE EAST ALONG STATE HIGHWAY 20 BY WAY OF CORDER INTO MALTA BEND QUADRANGLE (by C. W. Williams in 1936)

| | Feet |
|---|---------|
| Junction of rd. N., on E. head wall of culvert; chiseled square | 785.84 |
| T. 50 N., R. 25 W., near W. sixteenth cor. sec. 30, 33 ft. S. and 15 ft. E. from junction of rd. N., in base of transmission-line pole; spike | 798.82 |
| Junction of rd. S., on S. end of large iron pipe culvert; chiseled cross | 810.77 |
| T. 50 N., R. 25 W., cor. secs. 19, 20, 29, and 30, 47 ft. N. and 23 ft. E. from junction of rd. N., in base on SW. side of transmission-line pole; spike | 824.05 |
| T. 50 N., R. 25 W., cor. secs. 20, 21, 28, and 29, 82 ft. S. and 17 ft. W. from junction of County Route F, on W. concrete head wall of culvert; chiseled square | 831.31 |
| T. 50 N., R. 25 W., in NE 1/4 sec. 28, 20 ft. S. of highway, on concrete head wall of culvert; chiseled square | 814.26 |
| T. 50 N., R. 25 W., cor. secs. 23, 24, 25, and 26, 18 ft. S. and 20 3/4 ft. E. from highway at fence S., on S. head wall of concrete culvert; chiseled square | 785.85 |
| T. 50 N., Rs. 24 and 25 W., approximate cor. secs. 19, 24, 25, and 30, 38 ft. S. and 15 ft. W. from junction of rd. S., on W. head wall of concrete culvert; chiseled square | 752.83 |
| T. 50 N., R. 24 W., on line between secs. 19 and 30, at junction of rd. N., in base of telephone pole; spike | 808.03 |
| T. 50 N., R. 24 W., on line between secs. 19 and 30, 30 ft. S. and 70 ft. W. from junction of rd. N., in base of telephone pole; spike | 808.82 |
| T. 50 N., R. 24 W., on line between secs. 20 and 29, on guardrail at NW. corner of bridge; chiseled square | 732.28 |
| T. 50 N., R. 24 W., quarter cor. between secs. 21 and 28, 41 ft. S. and 76 ft. W. from intersection of State Highway 23, in concrete post; standard tablet stamped "5 W 1936" | 762.587 |
| T. 50 N., R. 24 W., cor. secs. 21, 22, 27, and 28, at junction of County Route W, on N. concrete head wall of culvert; chiseled square | 770.05 |
| T. 50 N., R. 24 W., cor. secs. 22, 23, 26, and 27, 30 ft. S. and 16 ft. W. from junction of rd. N., in base on N. side of telephone pole; spike | 741.68 |
| T. 50 N., R. 24 W., on line between secs. 23 and 26, N. of junction of rd. S., on E. end of iron pipe culvert; chiseled cross | 758.16 |
| T. 50 N., R. 24 W., near quarter cor. between secs. 23 and 26, 35 ft. N. and 42 ft. E. from Alton R.R. crossing, near warning bell, on battery box; chiseled square | 782.47 |
| T. 50 N., R. 24 W., W. sixteenth cor. between secs. 24 and 25, 22 ft. S. and 50 ft. W. from junction of rd. N., on E. end of bottom concrete step of sidewalk to farmhouse; chiseled square | 784.53 |

7. FROM WAVERLY SOUTH BY WAY OF BLACKBURN TO SEC. 24, T. 49 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN MALTA BEND QUADRANGLE (by G. R. Hamlin in 1936)*

| | |
|---|-------------------|
| Waverly, on bridge over Missouri River, in top of upstream end of second pier from S. end of bridge; standard tablet (set by water-resources branch of U.S. Geol. Survey) | 716.723 |
| Waverly, in SE. part of, 20 ft. S. and 50 ft. E. from junction of S. cut-off to U.S. Highway 65 and State Highway 24, on S. concrete head wall of culvert; chiseled square | 802.36 |
| Waverly, 0.5 mi. SE. of, 30 ft. S. and 100 ft. E. from crossroads, on SW. corner of S. concrete head wall of culvert; chiseled square | 814.64 |
| T. 51 N., R. 24 W., E. sixteenth cor. between secs. 23 and 26, 25 ft. S. and 60 ft. W. from crossroads, in root on S. side of 14-in. hedge tree; copper nail and washer | 786.80 |
| T. 51 N., R. 24 W., near E. sixteenth cor. sec. 26, 20 ft. S. and 50 ft. E. from T-rd. E., in root on W. side of 36-in. walnut tree; copper nail and washer | 776.47 |
| T. 51 N., R. 24 W., E. sixteenth cor. between secs. 26 and 35, 21 ft. S. and 29 ft. W. from T-rd. W., 2 ft. S. and 9 ft. W. from fence corner, in concrete post; standard tablet stamped "480 C W A 1934" | 705.155 |
| Tps. 50 and 51 N., R. 24 W., E. sixteenth cor. between secs. 2 and 35, 45 ft. N. and 55 ft. W. from crossroads, in root on S. side of 24-in. maple tree; copper nail and washer | 741.66 |
| Tps. 50 and 51 N., Rs. 23 and 24 W., cor. of, 15 ft. N. and 80 ft. E. from T-rd. S. on Lafayette-Saline county line, in root on W. side of 16-in. wild-cherry tree; copper nail and washer | 771.91 |
| T. 50 N., R. 23 W., 575 ft. N. of W. cor. secs. 6 and 7, 37 ft. E. of rd. on Lafayette-Saline county line, 20 ft. S. and 102 ft. W. from NW. corner of farmhouse of A. H. Meyer, in concrete post; standard tablet stamped "481 C W A 1934" | 735.418 720.16 |
| Culvert, on N. end of E. concrete head wall; chiseled square | |
| T-rd. W., 15 ft. N. and 12 ft. W. from, on N. end of iron pipe culvert; painted square | 739.95 |
| T. 50 N., R. 23 W., W. cor. secs. 18 and 19, 25 ft. S. and 25 ft. E. from rd. corner N.-E., in root on S. side of 6-in. wild-cherry tree; copper nail and washer | 763.82 |
| Blackburn, 520 ft. E. of Lafayette-Saline county line, 35 ft. S. and 270 ft. W. from State Highway 20 at rd. N., 55 ft. N. and 3 ft. E. from NE. corner of barn, in concrete post; standard tablet stamped "482 C W A 1934" | 804.548 |
| State Highway 20 at rd. S., 30 ft. S. of, on W. end of iron pipe culvert; painted square | 839.34 |
| T. 50 N., R. 24 W., quarter cor. between secs. 25 and 36, 65 ft. S. and 22 ft. E. from T-rd. W., on NW. corner of concrete base of fence post; chiseled square | 841.82 |
| T. 49 N., R. 24 W., N. sixteenth cor. sec. 1, 28 ft. S. and 5 ft. W. from rd. forks, 71 ft. E. of rd. S., 2 ft. S. of fence, in concrete post; standard tablet stamped "483 C W A 1934" | 826.297 |

*Published as line 2 of the Malta Bend quadrangle (see Bull. 898-0; pp. 963-964).

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|--|-----------------------|
| T. 49 N., R. 24 W., E. sixteenth cor. sec. 1, 55 ft. S. and 35 ft. W. from T-rd. E., on SE. corner of concrete walk in front of farmhouse of George Bodenstab; chiseled square | <u>Feet</u> 790.48 |
| T. 49 N., R. 24 W., E. sixteenth cor. between secs. 1 and 12, 35 ft. S. and 20 ft. W. from T-rd. W., in root on E. side of 10-in. hedge tree; copper nail and washer | 774.47 |
| Culvert, on NW. corner of E. concrete head wall; chiseled square | 730.21 |
| T. 49 N., R. 24 W., 500 ft. W. of E. sixteenth cor. between secs. 13 and 24, 110 ft. S. and 30 ft. W. from rd. corner, in root on E. side of 12-in. elm tree; copper nail and washer | 749.25 |

8. FROM WAVERLY NORTH ALONG U.S. HIGHWAYS 24 AND 65 INTO NORBORNE QUADRANGLE (by B. A. Barnes in 1936) *

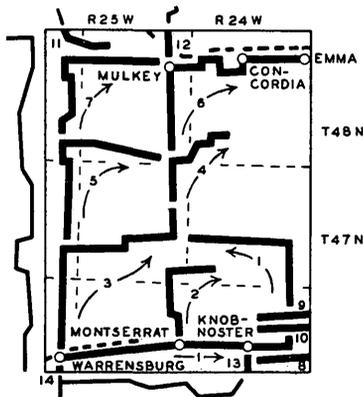
| | |
|---|---------|
| U.S.C.E. B.M. designated "189-59/1" | |
| Copper bolt | 696.639 |
| Top of cap | 700.707 |
| Carrollton, 8.3 mi. S. of, in SE 1/4 sec. 18, T. 51 N., R. 23 W., 21 ft. S. and 70 ft. W. from junction of rd. SW., in root on NE. side of 40-in. elm tree; spike | 665.05 |
| Carrollton, 7 mi. S. of, on line between secs. 7 and 8, T. 51 N., R. 23 W., N. of small bridge, 135 ft. S. of junction of rd. SW., on W. head wall of concrete culvert; chiseled square | 665.19 |

(Continued in Norborne quadrangle; see line 2.)

For additional level lines along south bank of Missouri River and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City; and second-order line, Lexington to Boonville.

KNOBNOSTER QUADRANGLE
(Latitude 38°45'-39°00'; longitude 93°30'-93°45')

Johnson, Lafayette, and Pettis Counties



1. FROM WARRENSBURG EAST ALONG MISSOURI PACIFIC RAILROAD TO POINT ABOUT 2 MILES EAST OF KNOBNOSTER, THENCE NORTH ALONG ROADS TO POINT 3.5 MILES SOUTH OF DUNKSBURG (by J. M. Rawls in 1915)

| | |
|--|---------|
| U.S.C. & G.S. B.M. designated "XLV" | 883.607 |
| Warrensburg, at State Teachers College, at E. side of S. entrance to gymnasium, 12 ft. E. of steps, 3 ft. S. of wall; iron post stamped "Mo 881" | 879.950 |
| Warrensburg, 0.7 mi. E. of, 650 ft. S. of rd. crossing, 50 ft. NE. of crossroads, on top of concrete foundation for fence post; chiseled mark | 820.95 |
| Warrensburg, 2.7 mi. E. of, at bridge over Bear Creek, 80 ft. N. of track, 75 ft. E. of creekbank, 3 ft. N. of fence; iron post stamped "Mo 723" | 722.042 |
| Warrensburg, 4.6 mi. E. of, 60 ft. S. of track, 30 ft. E. of T-fence S., in root of 8-in. hickory tree; copper nail | 728.08 |
| Montserrat, 0.7 mi. W. of, at rd. crossing; top of N. rail | 796.4 |
| Montserrat, 150 ft. S. of sta., 200 ft. N. of post office, 4 ft. SE. of fence corner; iron post stamped "Mo 804" | 802.754 |
| Montserrat, 1.6 mi. E. of, at E. end of bridge over Clear Fork Creek, S. of track, on concrete abutment; chiseled mark | 726.52 |
| Knobnoster, at Main Street crossing; top of N. rail | 790.4 |
| Knobnoster, 150 ft. S. of Main Street crossing, 110 ft. W. of Zink's livery stable, on W. side of street, 3 ft. W. of sidewalk; iron post stamped "Mo 796" | 795.674 |
| Knobnoster, 1.3 mi. E. of, 10 ft. S. of track, on small stone culvert; chiseled mark | 815.53 |

*Published also as line 5 of the Malta Bend quadrangle (see Bull. 898-G; p. 965).

| | |
|--|------------------------|
| Knobnoster, 2 mi. E. and 1 mi. N. from, 60 ft. S. and 10 ft. E. from T-rd. E., in inclosure; iron post stamped "Mo 756" (reported moved by J. W. Wilson Sept. 8, 1919) | <u>Feet</u> 755.137 |
| Knobnoster, 4.2 mi. N. and 2 mi. E. from, cor. secs. 25, 26, 35, and 36, T. 47 N., R. 24 W., 50 ft. SE. of crossroads, in corner of inclosure; iron post stamped "Mo 763" | 762.065 |
| Knobnoster, 5.5 mi. N. and 2 mi. E. from, 50 ft. SE. of crossroads, near fence corner, on rock; chiseled mark | 770.20 |
| 2. FROM MONTSERRAT NORTH AND EAST TO SEC. 28, T. 47 N., R. 24 W. (by J. M. Rawls in 1915) | |
| Montserrat, at Missouri-Pacific R.R. sta., in platform; copper bolt | 800.79 |
| Montserrat, 1.6 mi. N. of, 80 ft. SW. of dwelling of G. W. Hunsinger, 30 ft. E. of rd., in base of locust tree; copper nail | 781.33 |
| Montserrat, 3 mi. N. and 0.5 mi. W. from, 300 ft. E. of T-rd. N., 40 ft. SW. of Oak Grove School; iron post stamped "Mo 761" | 760.085 |
| Montserrat, 4.5 mi. N. of, 50 ft. S. of T-rd. W., W. of rd., on concrete culvert; chiseled mark | 692.95 |
| Montserrat, 5 mi. N. and 1 mi. E. from, cor. secs. 19, 20, 29, and 30, T. 47 N., R. 24 W., at center of crossroads, on top of corner stone; chiseled mark | 759.88 |
| Knobnoster, 5 mi. N. and 0.5 mi. W. from, 50 ft. SE. of crossroads, on property of C. B. Martin, in inclosure; iron post stamped "Mo 718" | 716.832 |
| 3. FROM WARRENSBURG NORTH TO SEC. 24, T. 47 N., R. 26 W., THENCE NORTHEAST TO SEC. 13, T. 47 N., R. 25 W. (by J. M. Rawls in 1915) | |
| Warrensburg, 3.5 mi. N. of, about 50 ft. SE. of T-rd. E.; iron post stamped "Mo 764" | 763.297 |
| Warrensburg, 4.3 mi. N. of, 30 ft. NW. of crossroads, 75 ft. SW. of blacksmith shop, on concrete sewer; chiseled mark | 825.47 |
| Warrensburg, 5.3 mi. N. and 1 mi. E. from, 200 ft. E. of crossing of small stream, 50 ft. E. of T-rd. W.; iron post stamped "Mo 763" | 762.399 |
| T. 47 N., R. 25 W., on line between secs. 20 and 21, about 500 ft. W. of Fair Oak Church, 30 ft. SE. of T-rd. N., 3 ft. W. of fence; iron post stamped "Mo 830" | 829.401 |
| Reference mark, 120 ft. E. of T-rd. N., S. of rd., in root of white-oak tree; spike | 833.84 |
| Valley City, 2 mi. SW. of, at T-rd. E., in root of large, white-oak tree; copper bolt | 755.32 |
| Valley City, 1.2 mi. NW. of, in NE 1/4 sec. 14, T. 47 N., R. 25 W., about 20 ft. W. of T-rd. E., near fence; iron post stamped "Prim Trav Sta No 25 1914 Mo 676" | 675.543 |
| Bridge over Blackwater Creek; floor | 678.0 |
| 4. FROM SEC. 11, T. 47 N., R. 25 W., NORTH TO SEC. 36, T. 48 N., R. 25 W., THENCE NORTHEAST TO SEC. 28, T. 48 N., R. 24 W. (by J. M. Rawls in 1915) | |
| Valley City, 2.5 mi. NW. of, 25 ft. NW. of T-rd. W., on rock culvert; chiseled mark | 696.88 |
| T. 48 N., R. 25 W., S. sixteenth cor. between secs. 35 and 36, 1.8 mi. S. of Ernestville Store, 0.2 mi. E. of dwelling of J. A. Greers, 30 ft. NE. of T-rd. N., 2 ft. from corner fence post; iron post stamped "Mo 699" | 697.718 |
| Concordia, 4 mi. S. of, 50 ft. NE. of T-rd. E.; iron post stamped "Mo 750" | 749.125 |
| 5. FROM SEC. 24, T. 47 N., R. 26 W., NORTH TO SEC. 26, T. 48 N., R. 26 W., THENCE EAST TO SEC. 36, T. 48 N., R. 25 W. (by J. M. Rawls in 1915) | |
| Warrensburg, 8.3 mi. N. of, N. sixteenth cor. between secs. 11 and 12, T. 47 N., R. 26 W., 75 ft. E. of crossroads, 3 ft. S. of fence; iron post stamped "Mo 823" | 822.067 |
| Warrensburg, 9.1 mi. N. of, at center of T-rd. S., on corner stone; chiseled mark | 868.05 |
| T. 48 N., R. 26 W., quarter cor. between secs. 25 and 26, 60 ft. E. of Hoffman Store, W. of rd.; iron post stamped "Mo 870" | 868.902 |
| T. 48 N., R. 26 W., center sec. 30, 300 ft. E. of church, 25 ft. SE. of T-rd. E., on concrete culvert; chiseled mark | 806.07 |
| T. 48 N., R. 25 W., cor. secs. 28, 29, 32, and 33, 3 mi. E. of Hoffman Store, 25 ft. SE. of rd. junction, at T-rd. E.; iron post stamped "Mo 802" | 800.669 |
| T. 48 N., R. 25 W., S. sixteenth cor. sec. 34, 25 ft. W. of T-rd. E., in root of small locust tree; copper nail | 749.30 |
| 6. FROM SEC. 36, T. 48 N., R. 25 W., NORTH TO MULKEY, THENCE EAST ALONG MISSOURI PACIFIC RAILROAD TO EMMA (by J. M. Rawls in 1915) | |
| T. 48 N., R. 25 W., cor. secs. 13, 14, 23, and 24, 2.8 mi. S. of Mulkey, 50 ft. SE. of T-rd. S., in inclosure; iron post stamped "Mo 783" | 781.697 |
| Concordia, 250 ft. SE. of sta., 3 ft. N. of front end of post office; iron post stamped "Mo 787" In 1935 reported "post rusting off at ground." | 786.019 |
| Emma, 0.7 mi. W. of, at rd. crossing; top of N. rail | 770.8 |

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| 7. FROM SEC. 26, T. 48 N., R. 26 W., NORTH TO SEC. 1, T. 48 N., R. 26 W., THENCE EAST TO MULKEY (by J. M. Rawls in 1915) | |
| T. 48 N., R. 26 W., in SW 1/4 sec. 1, 300 ft. N. of bridge over Davis Creek, 40 ft. SE. of T-rd. E.; iron post stamped "Mo 734" (new elev.) | Feet 740.641 |
| T. 48 N., R. 25 W., E. sixteenth cor. sec. 5, 2 mi. S. and 0.5 mi. W. from Aullville, N. of T-rd. S., near gate, on large rock; chiseled mark | 817.84 |
| T. 48 N., R. 25 W., quarter cor. between secs. 4 and 5, 2 mi. S. of Aullville, 50 ft. NW. of T-rd. N., at fence corner; iron post stamped "Mo 613" | 812.240 |
| Concordia, 4 mi. W. of, along Missouri Pacific R.R., in N 1/2 sec. 2, T. 48 N., R. 25 W., 10 ft. N. and 50 ft. E. from rd. crossing; iron post stamped "Prim Trav Sta No 18 Mo 788" | 787.584 |
| 8. FROM KNOBNOSTER EAST ALONG MISSOURI PACIFIC RAILROAD INTO SWEET SPRINGS QUADRANGLE (by S. B. Scott in 1934) | |
| U.S.C. & G.S. B.M. designated "XL11" | 809.185 |
| Knobnoster, 3 mi. E. of, 30 ft. S. of R.R., 25 ft. W. of rd. on Johnson-Pettis county line, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1599 C W A 1934" | 831.992 |
| 9. FROM SWEET SPRINGS QUADRANGLE WEST ALONG U.S. HIGHWAY 50 TO KNOBNOSTER (by C. P. Thompson in 1934) | |
| Knobnoster, 3 mi. E. of, 25 ft. N. and 30 ft. W. from crossroad on Johnson-Pettis county line, on N. end of W. head wall of concrete culvert; chiseled square | 801.39 |
| Knobnoster, 1.5 mi. E. of, SW. of rd. junction, on NW. corner of concrete head wall of culvert; (mark not described) | 830.48 |
| Knobnoster triangulation sta.; U.S.C. & G.S. standard disk designated "Knobnoster" | 915.642 |
| 10. FROM KNOBNOSTER EAST ALONG U.S. HIGHWAY 50 INTO SWEET SPRINGS QUADRANGLE (by R. B. Kuebler in 1934) | |
| Knobnoster, 1.2 mi. E. of, W. of rd. junction, on NW. corner of concrete head wall; (mark not described) | 830.48 |
| Knobnoster, 1 mi. E. and 0.8 mi. S. from, 10 ft. S. and 20 ft. W. from W. sixteenth cor. between secs. 23 and 26, T. 46 N., R. 24 W., in concrete post; standard tablet | 874.418 |
| Knobnoster, about 1.2 mi. E. of, in W 1/2 sec. 23, T. 46 N., R. 24 W., 775 ft. S. of U.S. Highway 50, on land of Perry Davis, 3 ft. E. of hedge, in concrete post; standard tablet | 852.304 |
| Knobnoster, 3 mi. E., thence 0.8 mi. S. from, 25 ft. S. and 60 ft. E. from crossroad, on Johnson-Pettis county line, in concrete post; standard tablet (in line 2 of Sweet Springs quadrangle; see Bull. 898-G, p. 967). | 856.917 |
| 11. FROM HIGGINSVILLE QUADRANGLE SOUTHEAST ALONG U.S. HIGHWAY 40 TO SEC. 5, T. 48 N., R. 25 W. (by C. W. Williams in 1936) (Continued from Higginsville quadrangle; see line 5.) | |
| T. 49 N., R. 26 W., near W. sixteenth cor. sec. 36, 115 ft. S. and 58 ft. W. from junction of State Highway 13, in base of telephone pole; spike | 793.82 |
| Bridge over Davis Creek, at SW. corner, on wing wall; chiseled square | 728.73 |
| Crossroad, in base of telephone pole; spike | 758.12 |
| T. 48 N., R. 25 W., near NW. cor. sec. 5, on S. head wall of large concrete culvert; chiseled square | 738.72 |
| T. 48 N., R. 25 W., near N. cor. secs. 4 and 5, 26 ft. S. and 58 ft. E. from junction of rd. S., at sidewalk leading to repeater sta. of telephone company, on W. concrete head wall of small culvert; chiseled square | 838.55 |
| 12. FROM HIGGINSVILLE QUADRANGLE AT SEC. 35, T. 49 N., R. 25 W., SOUTH TO SEC. 2, T. 48 N., R. 25 W. (by C. W. Williams in 1936) (Continued from Higginsville quadrangle; see line 4.) | |
| T. 48 N., R. 25 W., in NE 1/4 sec. 2, 27 ft. N. and 15 ft. E. from U.S. Highway 40 at crossroad, in base of W. side of transmission-line pole; spike | 799.56 |
| Aullville, 3.5 mi. SE. of, along Missouri Pacific R.R., in N 1/2 sec. 2, T. 48 N., R. 25 W., 10 ft. N. and 50 ft. E. from rd. crossing; iron post stamped "Prim Trav Sta No 18 1914 Mo 788" | 787.520 |
| U.S.C. & G.S. standard disk stamped "V 96 1935" | 784.966 |

13. FROM KNOBNOSTER SOUTH INTO WINDSOR QUADRANGLE AT SEC. 27,
T. 46 N., R. 24 W. (by R. W. Mattox in 1936)

T. 46 N., R. 24 W., N. sixteenth cor. between secs. 27 and 28, 220 ft. N. and 35 ft. E. from County Route D at rd. W., 20 ft. S. and 50 ft. W. from dwelling, in SW. corner of yard, in root on W. side of 14-in. maple tree; copper nail and washer

Feet
865.54

(Continued in Windsor quadrangle; see line 4.)

14. FROM WINDSOR QUADRANGLE AT SEC. 25, T. 46 N., R. 26 W., NORTH
TO WARRENSBURG (by R. W. Mattox in 1936)

(Continued from Windsor quadrangle; see line 4.)

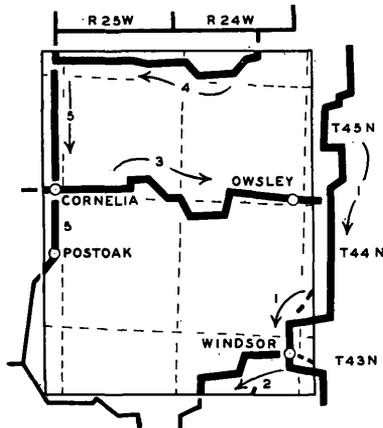
Warrensburg, on State Teachers College Campus, 24 ft. N. and 107 ft. E. from NE. corner of Industrial Arts Building, NE. of walk intersection, in concrete post; standard tablet stamped "17 M 1936"

877.348

For additional level lines along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill; and second-order line, Lexington to Boonville.

WINDSOR QUADRANGLE
(Latitude $38^{\circ}30'1''-38^{\circ}45'1''$; longitude $93^{\circ}30'1''-93^{\circ}45'1''$)

Benton, Henry, Johnson, and Pettis Counties



1. FROM SWEET SPRINGS QUADRANGLE AT SEC. 28, T. 46 N., R. 23 W.,
SOUTH INTO WARSAW NO. 2 QUADRANGLE AT SEC. 18, T. 43 N.,
R. 23 W., INCLUDING THAT PART OF THE LINE IN GREEN RIDGE
QUADRANGLE (by R. B. Kuebler and C. P. Thompson in 1934)*

Knobnoster, 5 mi. E. and 1.2 mi. S. from, N. sixteenth cor. between secs. 28 and 29, T. 46 N., R. 23 W., 50 ft. N. of N. line of dwelling of T. H. Bradshaw, W. of rd., 14 ft. S. and 2 ft. E. from end of hedge fence, in concrete post; standard tablet

852.696

Knobnoster, 5 mi. E. and about 2.5 mi. S. from, 300 ft. S. of quarter cor. between secs. 32 and 33, T. 46 N., R. 23 W., at bridge over Long Branch Creek, on NE. corner of N. concrete abutment; (mark not described)

791.01

Knobnoster, 5 mi. E. and 3 mi. S. from, near cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., in concrete post; standard tablet

803.358

Knobnoster, 5 mi. E. and 3.3 mi. S. from, about 0.3 mi. S. of cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., 20 ft. W. of rd., in concrete post; standard tablet

831.931

T. 45 N., R. 23 W., quarter cor. between secs. 4 and 5, on SW. corner of W. concrete head wall of culvert; (mark not described)

823.26

T. 45 N., R. 23 W., 150 ft. E. of center of SW 1/4 sec. 5, on SE. corner of N. concrete head wall of culvert; (mark not described)

813.99

T. 45 N., R. 23 W., near quarter cor. between secs. 6 and 7, N. of rd., on concrete head wall of culvert; chiseled square

812.96

T. 45 N., R. 23 W., quarter cor. between secs. 7 and 18, 37 ft. S. and 25 ft. E. from rd. junction, in concrete post; standard tablet

869.751

Reference mark, 136 ft. N. of tablet, W. of rd., in root of 20-in. stump; lead-headed nail

871.33

T. 45 N., R. 23 W., 1,020 ft. N. of quarter cor. between secs. 18 and 19, on S. end of W. head wall of concrete culvert; chiseled square

809.79

T. 45 N., R. 23 W., 475 ft. N. of center sec. 19, W. of rd., in root of 36-in. maple tree; copper nail and washer

833.96

T. 45 N., R. 23 W., E. sixteenth cor. sec. 20, 9 ft. S. and 26 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 1562 C W A 1934"

843.398

*Published also as line 1 of Green Ridge quadrangle (see Bull. 898-G, pp. 969-970).

| | <u>Feet</u> |
|---|-------------|
| Reference mark, 175 ft. S. of tablet, on N. end of concrete head wall of culvert; chiseled square | 841.54 |
| T. 45 N., R. 23 W., E. sixteenth cor. sec. 29, 45 ft. S. and 39 ft. E. from T-rd. E., in NW. corner of yard of Hickory Point School, in concrete post; standard tablet stamped "T T 1561 C W A 1934" | 872.369 |
| T. 45 N., R. 23 W., center of SW 1/4 sec. 29; top of corner stone | 886.51 |
| T. 45 N., R. 23 W., about 0.2 mi. E. of S. cor. secs. 31 and 32, 25 ft. N. and 40 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 1560 C W A 1934" | 910.503 |
| Reference mark, 16 ft. N. and 16 ft. E. from tablet, in root of 18-in. maple tree; copper nail and washer | 911.18 |
| T. 44 N., R. 23 W., quarter cor. between secs. 5 and 6, 310 ft. N. and 9 ft. W. from T-rd. E., on N. end of W. head wall of concrete culvert; chiseled square | 902.33 |
| T. 44 N., R. 23 W., in NE 1/4 sec. 7, in yard of Hope Dale School, 10 ft. E. of well, in concrete post; standard tablet stamped "T T 1559 C W A 1934" | 930.993 |
| Reference mark, 3 ft. N. and 6 ft. W. from tablet, on NE. corner of concrete well platform; chiseled square | 931.76 |
| T. 44 N., R. 23 W., 0.2 mi. N. of approximate quarter cor. between secs. 17 and 18, on S. end of E. head wall of concrete culvert; chiseled square | 931.87 |
| T. 44 N., R. 23 W., cor. secs. 19, 20, 29, and 30, 100 ft. S. and 25 ft. W. from rd. intersection, W. of rd., at S. right-of-way fence of Missouri-Kansas-Texas R.R., in concrete post; standard tablet stamped "T T 1558 C W A 1934" | 935.382 |
| Reference mark, 105 ft. N. and 41 ft. E. from tablet, on bell end of concrete drain pipe; chiseled square | 936.05 |
| T. 44 N., R. 23 W., cor. secs. 29, 30, 31, and 32, 9 ft. N. and 14 ft. W. from crossroads, on E. end of N. head wall of concrete culvert; chiseled square | 927.11 |
| T. 44 N., R. 23 W., near line between secs. 30 and 31, about 0.2 mi. E. of Johnson-Pettis county line, E. of Missouri-Kansas-Texas R.R., 40 ft. S. of rd., in concrete post; standard tablet stamped "T T 1557 C W A 1934" | 919.854 |
| Windsor, at NE. limits of, 63 ft. S. and 25 ft. E. from State Highway 52 at Henry-Pettis county line, on S. line of right-of-way, in concrete post; standard tablet stamped "T T 1556 C W A 1934" | 895.399 |
| Windsor, 38 ft. S. and 28 ft. E. from intersection of Florence and Main Streets, in concrete post; standard tablet stamped "T T 1555 C W A 1934" | 912.851 |
| Reference mark, 274 ft. S. of tablet, in NW. corner of NE. concrete pedestal of city-water tower; (mark not described) | 914.73 |
| T. 43 N., R. 23 W., near N. sixteenth cor. sec. 7, in front of dwelling of Alton Hurst, in root of 30-in. hickory tree; copper nail and washer | 874.74 |
| T. 43 N., R. 23 W., E. sixteenth cor. between secs. 7 and 18, 37 ft. S. and 47 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 256 C W A 1934" | 875.422 |
| Reference mark, 20 ft. N. and 61 ft. E. from tablet, on N. end of E. head wall of concrete culvert; chiseled square | 871.44 |
| (Continued in Calhoun quadrangle; see line 2.) | |
| 2. FROM WINDSOR SOUTHWEST INTO CALHOUN QUADRANGLE AT SEC. 18, T. 43 N., R. 24 W. (by R. B. Kuebler in 1934) | |
| Windsor, 0.2 mi. W. of, 240 ft. E. of center of SE 1/4 sec. 2, T. 43 N., R. 24 W., on N. concrete head wall of culvert; chiseled square | 844.82 |
| Windsor, 1.5 mi. W. of, near quarter cor. between secs. 3 and 10, in yard of farmhouse of Ben Sisson, in root of 14-in. elm tree; copper nail and washer | 886.16 |
| T. 43 N., R. 24 W., quarter cor. between secs. 4 and 9, 25 ft. N. and 140 ft. E. from crossroads, 5 ft. N. and 12 ft. E. from fence corner, in concrete post; standard tablet stamped "286 C W A 1934" | 843.267 |
| Reference mark, 730 ft. W. of tablet, on W. end of N. head wall of concrete culvert; chiseled square | 832.71 |
| T. 43 N., R. 24 W., in SE 1/4 sec. 8, on S. end of W. concrete abutment of bridge; chiseled square | 803.56 |
| T. 43 N., R. 24 W., near center of SE 1/4 sec. 7, 70 ft. S. and 45 ft. W. from SW. corner of Berry School, in root of 30-in. elm tree; copper nail and washer | 802.95 |
| T. 43 N., R. 24 W., S. sixteenth cor. sec. 7, 26 ft. S. and 24 ft. E. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 787.255 |
| Reference mark, 16 ft. N. and 45 ft. W. from tablet, on W. head wall of concrete culvert; chiseled square | 788.95 |
| T. 43 N., R. 24 W., 120 ft. S. of S. sixteenth cor. sec. 18, on W. head wall of concrete culvert; chiseled square | 775.02 |
| (Continued in Calhoun quadrangle; see line 1.) | |
| 3. FROM HOLDEN QUADRANGLE AT SEC. 35, T. 45 N., R. 26 W., EAST TO SEC. 32, T. 45 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN GREEN RIDGE QUADRANGLE (by T. G. Drummond in 1934 and R. W. Mattox in 1936)* | |
| (Continued from Holden quadrangle; see line 2.) | |
| Cornelia, in SW 1/4 sec. 36, T. 45 N., R. 26 W., 36 ft. W. of State Highway 13, 28 ft. S. and 65 ft. E. from SE. corner of school, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 272 C W A 1934" | 885.640 |

*Line 5 of Green Ridge quadrangle includes a portion of this line (see Bull. 898-G, p. 971).

| | <u>Feet</u> |
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| Reference mark, 65 ft. W. of tablet, on step; chiseled square | 889.44 |
| T. 45 N., R. 25 W., 50 ft. N. and 900 ft. E. from SW. cor. sec. 31, in root on S. side of 12-in. maple tree; copper nail and washer | 896.32 |
| T. 45 N., R. 25 W., S. cor. secs. 31 and 32, 30 ft. N. and 40 ft. W. from T-rd. N., in root on S. side of 18-in. hedge tree; copper nail and washer | 943.05 |
| T. 44 N., R. 25 W., 0.2 mi. W. of N. quarter cor. sec. 4 (?), W. of T-rd. S., on concrete base of fence post; chiseled square | 907.78 |
| T. 44 N., R. 25 W., N. cor. secs. 3 and 4, 38 ft. S. and 69 ft. E. from, 76 ft. N. and 15 ft. E. from NW. corner of dwelling, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 271 C W A 1934" | 899.301 |
| Reference mark, 300 ft. E. of tablet, on N. head wall of concrete culvert; chiseled square | 897.85 |
| T. 45 N., R. 25 W., near E. sixteenth cor. sec. 34, on S. end of W. head wall of concrete bridge; chiseled square | 783.80 |
| T. 45 N., R. 25 W., 350 ft. S. and 10 ft. W. from N. cor. secs. 34 and 35, in gatepost; copper nail and washer | 787.12 |
| T. 45 N., R. 25 W., near center sec. 35, on front porch of dwelling; chiseled square | 933.00 |
| T. 44 N., R. 25 W., N. cor. secs. 1 and 2, 25 ft. S. and 45 ft. W. from, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 273 C W A 1934" | 930.857 |
| Reference mark, 40 ft. N. and 210 ft. W. from tablet, in W. side of 14-in. oak tree; copper nail and washer | 936.22 |
| T. 44 N., R. 25 W., in NE 1/4 sec. 1, 60 ft. W. of T-rd. N., on W. end of S. head wall of concrete culvert; chiseled square | 852.45 |
| T. 44 N., R. 24 W., N. quarter cor. sec. 6, 20 ft. N. and 60 ft. E. from rd. forks, in root on S. side of 6-in. elm tree; copper nail and washer | 900.87 |
| T. 44 N., R. 24 W., E. sixteenth cor. sec. 6, 45 ft. S. and 22 ft. E. from T-rd. E., in top of corner fence post set in concrete; copper nail and washer | 918.96 |
| T. 44 N., R. 24 W., in NW 1/4 sec. 5, 22 ft. S. and 44 ft. E. from rd. fork N., on land of L. A. Corson, in concrete post; standard tablet stamped "T T 275 C W A 1934" | 907.257 |
| Reference mark, 60 ft. N. and 85 ft. E. from tablet, in root on S. side of 20-in. elm tree; copper nail and washer | 904.09 |
| T-rd. S., 20 ft. N. and 90 ft. W. from, in root on S. side of 12-in. wild-cherry tree; crossed nails | 906.31 |
| T. 44 N., R. 24 W., in NE 1/4 sec. 4, 20 ft. N. and 85 ft. W. from T-rd. S., in root on N. side of 12-in. hedge tree; copper nail and washer | 888.28 |
| T-rd. E., 50 ft. N. and 100 ft. E. from, in root on W. side of 12-in. walnut tree; crossed nails | 860.76 |
| T. 45 N., R. 24 W., N. sixteenth cor. between secs. 33 and 34, 21 ft. W. of T-rd. E., in concrete post; standard tablet stamped "T T 276 C W A 1934" | 891.335 |
| Reference mark, 35 ft. S. and 35 ft. E. from tablet, in root on NW. side of 16-in. maple tree; copper nail and washer | 890.76 |
| T. 45 N., R. 24 W., in sec. 34, 30 ft. N. and 250 ft. E. from T-rd. N., 25 ft. N. and 600 ft. W. from T-rd. S., in root on W. side of twin 16-in. wild-cherry tree; crossed nails | 859.61 |
| T. 45 N., R. 24 W., near center of NW 1/4 sec. 35, 165 ft. N. and 195 ft. E. from T-rd. W., 20 ft. S. of rd., in root on N. side of 20-in. oak tree; copper nail and washer | 834.78 |
| T. 45 N., R. 24 W., in NW 1/4 sec. 36, 40 ft. N. and 200 ft. W. from T-rd. W., in root on S. side of 20-in. ash tree; copper nail and washer | 855.05 |
| Owsley, in NE 1/4 sec. 36, T. 45 N., R. 24 W., about 0.2 mi. W. of Johnson-Pettis county line, 500 ft. E. of store, 22 ft. S. and 60 ft. W. from T-rd. S., on land of M. D. Muir, in concrete post; standard tablet stamped "T T 274 C W A 1934" | 893.576 |
| T-rd. N., 55 ft. N. and 60 ft. E. from, at W. side of church, on bottom concrete step; chiseled square | 889.05 |
| T. 45 N., R. 25 W., near center sec. 31, 210 ft. E. of T-rd. S., on N. concrete head wall of culvert; chiseled square | 846.31 |
| T-rd. W., 15 ft. N. and 20 ft. E. from, at base of telephone pole; surface of ground | 897.1 |
| 4. FROM KNOBOSTER QUADRANGLE AT SEC. 27, T. 46 N., R. 24 W., WEST INTO KNOBOSTER QUADRANGLE AT SEC. 25, T. 46 N., R. 26 W. (by R. W. Mattox in 1936) (Continued from Knoboster quadrangle; see line 13.) | |
| County Route D at rd. E., 145 ft. S. and 40 ft. E. from, in root on W. side of 30-in. stump; (mark not described) | 837.69 |
| T. 46 N., R. 24 W., N. sixteenth cor. between secs. 33 and 34, 25 ft. N. and 40 ft. W. from County Route D at rd. W., on E. side of concrete base of corner fence post; chiseled square | 842.39 |
| T. 46 N., R. 24 W., W. sixteenth cor. sec. 32, 35 ft. S. and 50 ft. E. from rd. fork NW., in root on NW. side of 12-in. oak tree; copper nail and washer | 834.37 |
| Rd. fork N., 15 ft. S. and 25 ft. W. from, in root on E. side of 14-in. oak tree; crossed nails | 816.84 |
| T. 46 N., R. 24 W., cor. secs. 29, 30, 31, and 32, 31 ft. S. and 2 ft. E. from, 18 ft. E. of blazed 10-in. cedar tree, in concrete post; standard tablet stamped "M 1936" | 789.476 |
| Reference mark, 30 ft. E. of tablet, in root on N. side of 24-in. oak tree; copper nail and washer | 788.64 |
| T-rd. N., 75 ft. N. and 375 ft. W. from, in root on S. side of 18-in. walnut tree; crossed nails | 740.31 |
| T. 46 N., R. 25 W., E. sixteenth cor. between secs. 25 and 36, at top of ridge, 20 ft. S. of rd., in root on E. side of 8-in. oak tree; copper nail and washer | 888.22 |

| | <u>Feet</u> |
|---|-------------|
| T-rd. N., 25 ft. N. and 30 ft. W. from, in SW. side of 8-in. hedge post; crossed nails | 922.49 |
| T. 46 N., R. 25 W., in NE 1/4 sec. 35, 40 ft. N. and 30 ft. W. from T-rd. W., in root on S. side of 16-in. oak tree; copper nail and washer | 921.54 |
| T. 46 N., R. 25 W., cor. secs. 26, 27, 34, and 35, 15 ft. S. and 30 ft. W. from T-rd. N., 4 ft. N. of fence; iron post stamped "Prim Trav Sta No 14 1914 Mo" | 789.393 |
| Reference mark, 30 ft. W. of post, in root on N. side of 20-in. elm tree; copper nail and washer | 788.46 |
| T. 46 N., R. 25 W., cor. secs. 27, 28, 33, and 34, 20 ft. S. and 575 ft. W. from T-rd. N., in root on S. side of 6-in. wild-cherry tree; copper nail and washer | 795.54 |
| T. 46 N., R. 25 W., W. sixteenth cor. between secs. 28 and 33, 40 ft. S. and 70 ft. W. from crossroads, in NE. corner of yard of Charles Slaughter, in root on N. side of 16-in. cedar tree; copper nail and washer | 776.63 |
| T. 46 N., R. 25 W., 32 ft. N. of cor. secs. 29, 30, 31, and 32, N. of T-rd. S., 2 ft. N. of fence, in line with N.-S. hedge, in concrete post; standard tablet stamped "4 M 1934" | 794.891 |
| Reference mark, 75 ft. S. and 10 ft. W. from tablet, in N. side of 6-in. hedge tree; copper nail and washer | 797.04 |
| Rd. at junction of street, 50 ft. S. and 50 ft. E. from, in root on S. side of 30-in. elm tree; crossed nails | 852.51 |
| T. 46 N., R. 26 W., approximate quarter cor. between secs. 25 and 36, 40 ft. S. and 70 ft. E. from State Highway 13 at E.-W. rd., in root on E. side of 24-in. oak tree; copper nail and washer | 852.20 |

(Continued in Knobnoster quadrangle; see line 14.)

5. FROM SEC. 36, T. 46 N., R. 26 W., SOUTH ALONG STATE HIGHWAY 13 INTO HOLDEN QUADRANGLE (by R. W. Mattox in 1936)

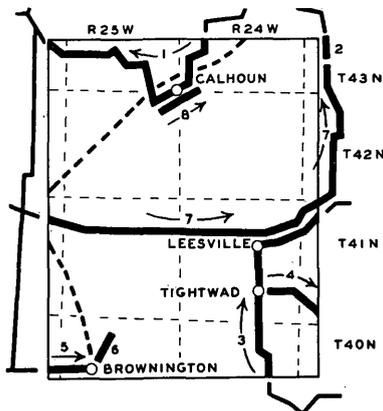
| | |
|---|---------|
| T. 46 N., R. 26 W., center of SE 1/4 sec. 36, 40 ft. W. of crossroad, on S. head wall of concrete culvert; chiseled square | 881.46 |
| Junction of rd. W., 250 ft. S. of, on E. head wall of concrete culvert; chiseled square | 866.65 |
| T. 45 N., R. 26 W., E. sixteenth cor. sec. 1, 20 ft. N. and 40 ft. E. from junction of rd. E., in corner of field, in concrete post; standard tablet stamped "11 M 1936" | 884.438 |
| T. 45 N., R. 26 W., E. sixteenth cor. sec. 12, 35 ft. W. of crossroad, on S. head wall of culvert; chiseled square | 820.62 |
| T. 45 N., R. 26 W., E. sixteenth cor. between secs. 12 and 13, 30 ft. E. of crossroad, on N. head wall of concrete culvert; chiseled square | 822.07 |
| Junction of lane W. to farm, 80 ft. S. and 40 ft. E. from, in root on NW. side of 10-in. walnut tree; crossed nails | 860.12 |
| T. 45 N., R. 26 W., E. sixteenth cor. between secs. 13 and 24, 40 ft. S. and 40 ft. W. from crossroad, inside field, in concrete post; standard tablet stamped "12 M 1936" | 897.662 |
| T. 45 N., R. 26 W., E. sixteenth cor. between secs. 24 and 25, at junction of rd. W. and lane E. to old Mount Zion Church, on S. head wall of concrete culvert; chiseled square | 821.27 |
| Junction of rd. E., 50 ft. N. of, on E. head wall of concrete culvert; chiseled square | 869.52 |
| T. 45 N., R. 26 W., center of SE 1/4 sec. 25, 200 ft. S. and 40 ft. R. from junction of rd. W., in root on W. side of 12-in. oak tree; copper nail and washer | 863.34 |
| T. 45 N., R. 26 W., E. sixteenth cor. sec. 36, at curve in highway at rd. S., on N. head wall of concrete culvert; chiseled square | 840.54 |
| T. 44 N., R. 26 W., about 0.2 mi. N. of center sec. 1, 15 ft. N. and 45 ft. W. from junction of rd. W., on concrete base of corner gatepost; chiseled square | 955.54 |
| Junction of rd. E., 15 ft. N. and 30 ft. E. from, on N. head wall of culvert; chiseled square | 921.08 |
| T. 44 N., R. 26 W., quarter cor. between secs. 1 and 12, 25 ft. S. and 20 ft. E. from junction of rd. E., on S. head wall of concrete culvert; chiseled square | 912.81 |
| Junction of rd. W., 20 ft. N. and 30 ft. W. from, on N. head wall of culvert; chiseled square | 903.82 |
| T. 44 N., R. 26 W., quarter cor. between secs. 12 and 13, 40 ft. S. and 20 ft. E. from crossroad, on E. head wall of concrete culvert; chiseled square | 958.17 |
| T. 44 N., R. 26 W., W. sixteenth cor. between secs. 13 and 24, SW. of intersection of State Highway 2, inside fence, in concrete post; standard tablet stamped "13 M 1936" | 987.686 |
| Postoak, 80 ft. N. of crossroad, 20 ft. N. and 15 ft. E. from NE. corner of store, on N. head wall of concrete culvert; chiseled square | 996.43 |

(Continued in Holden quadrangle; see line 5.)

For additional level lines along Missouri-Kansas-Texas R.R. and Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Versailles to Windsor.

CALHOUN QUADRANGLE
(Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $93^{\circ}30' - 93^{\circ}45'$)

Benton and Henry Counties



1. FROM WINDSOR QUADRANGLE AT SEC. 18, T. 43 N., R. 24 W., SOUTH TO CALHOUN, THENCE WEST INTO CLINTON QUADRANGLE AT SEC. 24, T. 43 N., R. 26 W. (by C. T. Shepherd and R. B. Kuebler in 1934)
(Continued from Windsor quadrangle; see line 2.)

| | <u>Feet</u> |
|---|-------------|
| Calhoun, 1.8 mi. N. of, 360 ft. W. of N. sixteenth cor. between secs. 19 and 24, T. 43 N., Rs. 24 and 25 W., on W. end of N. head wall of concrete culvert; chiseled square | 806.69 |
| Calhoun, 1.8 mi. N. and 0.5 mi. W. from, N. sixteenth cor. sec. 24, T. 43 N., R. 25 W., 38 ft. N. and 25 ft. E. from T-rd. E., 14 ft. N. and 2 ft. E. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 818.857 |
| Reference mark, 36 ft. S. and 4 ft. W. from tablet, on S. head wall of concrete culvert; chiseled square | 819.83 |
| Calhoun, 0.5 mi. N. of, in N 1/2 sec. 25, T. 43 N., R. 25 W., NW. of T-rd. W., on N. head wall of concrete culvert; chiseled square | 819.85 |
| Calhoun, near W. limits of, near quarter cor. between secs. 25 and 36, T. 43 N., R. 25 W., in root of 24-in. locust tree; copper nail and washer | 791.91 |
| Calhoun, 0.5 mi. W. of, near center sec. 36, T. 43 N., R. 25 W., on N. end of W. abutment of Missouri-Kansas-Texas R.R. bridge over Sand Creek; chiseled square | 753.60 |
| Calhoun, about 1 mi. W. of, in SE 1/4 sec. 35, T. 43 N., R. 25 W., 160 ft. NE. of Missouri-Kansas-Texas R.R. at rd. crossing, 15 ft. W. of right-of-way fence, in concrete post; standard tablet stamped "T T 215 C W A 1934" | 783.308 |
| T. 43 N., R. 25 W., in SE 1/4 sec. 34, 570 ft. N. of E.-W. rd., on N. end of W. head wall of concrete culvert; chiseled square | 792.96 |
| T. 43 N., R. 25 W., near quarter cor. between secs. 26 and 27, in yard of dwelling of Hall Goodrich, in root of 24-in. oak tree; copper nail and washer | 786.29 |
| T. 43 N., R. 25 W., E. sixteenth cor. between secs. 22 and 27, SW. of T-rd. S., in root of 16-in. oak tree; copper nail and washer | 795.91 |
| T. 43 N., R. 25 W., cor. secs. 21, 22, 27, and 28, 44 ft. N. and 30 ft. E. from, 30 ft. NE. of rd. corner E.-N., in concrete post; standard tablet stamped "T T 211 C W A 1934" | 794.388 |
| Reference mark, 10 ft. N. and 55 ft. W. from tablet, on W. head wall of concrete culvert; chiseled square | 795.17 |
| T. 43 N., R. 25 W., near quarter cor. between secs. 21 and 22, 28 ft. SE. of SE. corner of Merritt School, in root on W. side of 24-in. red-oak tree; copper nail and washer | 835.18 |
| Merritt School, 1 mi. W. of, near quarter cor. between secs. 20 and 21, T. 43 N., R. 25 W., 15 ft. W. of T-rd. E., in gatepost; spike | 819.68 |
| T. 43 N., R. 25 W., in NW 1/4 sec. 20, about 400 ft. S. of T-rd. E., 30 ft. E. of rd., 12 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 219 C W A 1934" | 828.474 |
| Reference mark, 150 ft. SW. of tablet, in root of white-oak tree; copper nail and washer | 831.03 |
| T. 43 N., R. 25 W., center of SE 1/4 sec. 19, 75 ft. N. and 25 ft. E. from T-rd., on top of stone stile; chiseled square | 925.71 |
| T. 43 N., R. 25 W., near W. sixteenth cor. sec. 19, 1.4 mi. E. of State Highway 13, 15 ft. N. of E.-W. rd., in top of stump; copper nail and washer | 910.74 |

(Continued in Holden quadrangle; see line 6.)

2. FROM GREEN RIDGE QUADRANGLE AT SEC. 18, T. 43 N., R. 23 W., SOUTH TO SEC. 20, T. 43 N., R. 23 W. (by R. B. Kuebler and C. P. Thompson in 1934)*
(Continued from Windsor quadrangle; see line 1.)
- T. 43 N., R. 23 W., 159 ft. N. and 12 ft. W. from center of SE 1/4 sec. 18, 650 ft. N. of T-rd. W., on N. end of W. head wall of concrete culvert; chiseled square Foot
865.74
- T. 43 N., R. 23 W., E. sixteenth cor. sec. 19, 60 ft. S. and 57 ft. E. from T-rd. N., in yard of Harry Birchum, 2 ft. W. of fence, in root on NE. side of 28-in. maple tree; copper nail and washer 854.55
- T. 43 N., R. 23 W., quarter cor. between secs. 20 and 21, 12 ft. N. and 15 ft. W. from T-rd. W., on E. end of N. head wall of culvert; chiseled square 879.55
- T. 43 N., R. 23 W., cor. secs. 20, 21, 28, and 29, 22 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "255 C W A 1934" 885.402
- Reference mark, 12 ft. N. and 12 ft. E. from tablet, on E. end of S. head wall of concrete culvert; chiseled square 886.84
3. FROM LOWRY CITY QUADRANGLE AT SEC. 13, T. 40 N., R. 24 W., NORTH BY WAY OF TIGHTWAD TO LEESVILLE, THENCE NORTHEAST INTO LINCOLN QUADRANGLE AT SEC. 6, T. 41 N., R. 23 W. (by C. T. Shepherd in 1935)
(Continued from Lowry City quadrangle; see line 4.)
- Finey Baptist Church, 1 mi. N. of, in front yard of Epperson dwelling, 30 ft. E. of rd., in root on W. side of black-oak tree; copper nail and washer 888.72
- Finey Baptist Church, 2 mi. N. of, on E. bank of Grand River at Cow ford, 30 ft. W. of rd., in root on E. side of box-elder tree; copper nail and washer 672.35
656.2
- Grand River; surface of water Jan. 29, 1935
- Tightwad, 2.5 mi. S. of, quarter cor. between secs. 2 and 11, T. 40 N., R. 24 W., 5 ft. N. and 30 ft. W. from rd. at fence E., 25 ft. N. and 5 ft. W. from triangular-blazed 36-in. black-oak tree, in concrete post; standard tablet stamped "T T 654 C W A 1934" 753.476
- Tightwad, 2 mi. S. of, on top of high hill, 15 ft. E. of rd. at rail fence E., in root on W. side of 18-in. black-oak tree; copper nail and washer 823.62
- Tightwad, 1 mi. S. of, in NE 1/4 sec. 35, T. 41 N., R. 24 W., 100 ft. E. of rd., in root on W. side of dead, 18-in. elm tree; copper nail and washer 836.77
- Tightwad, center sec. 26, T. 41 N., R. 24 W., 195 ft. N. and 30 ft. W. from County Route A (now State Highway 35) at crossroad, in schoolyard, in concrete post; standard tablet stamped "T T 653 C W A 1934" 872.343
- Tightwad, 1 mi. N. of, center sec. 23, T. 41 N., R. 24 W., 200 ft. S. and 30 ft. W. from T-rd. E., in front of McLean farmhouse, in root on E. side of 8-in. box-elder tree; copper nail and washer 836.27
- Tightwad, 1.5 mi. N. of, in NW 1/4 sec. 23, T. 41 N., R. 24 W., 25 ft. S. and 20 ft. W. from rd. corner S.-W., at corner fence post, in root on E. side of 8-in. wild-cherry tree; copper nail and washer 811.78
- Leesville, 0.2 mi. S. of, quarter cor. between secs. 11 and 14, T. 41 N., R. 24 W., 7 ft. S. and 25 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 649 C W A 1934" 801.961
- Leesville, at E. limits of, in yard of Christian Church, 30 ft. E. of rd., in root on W. side of 18-in. maple tree; copper nail and washer 799.99
- Leesville, 1 mi. E. of, in NE 1/4 sec. 12, T. 41 N., R. 24 W., at bridge over Tebo Creek, in NE. concrete pier; (mark not described) (Union Electric Light & Power Co. B.M.) 689.80
- Leesville, 2 mi. NE. of, in NE. cor. sec. 12, T. 41 N., R. 24 W., on Benton-Henry county line, 25 ft. N. of E.-W. rd., 45 ft. W. of entrance to Chastain dwelling, in root on S. side of 24-in. oak tree; copper nail and washer 790.06
- T. 41 N., R. 23 W., in SE 1/4 sec. 6, 15 ft. N. and 235 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 650 C W A 1934" 805.426
- Tps. 41 and 42 N., R. 23 W., on line between secs. 6 and 31, 9 ft. S. of rd. corner S.-E., on rock at W. end of culvert; chiseled cross 802.10
4. FROM TIGHTWAD EAST ALONG COUNTY ROUTE A (NOW STATE HIGHWAY 35) INTO LINCOLN QUADRANGLE (by S. T. Shepherd in 1935)
- Tightwad, 1 mi. E. of, center sec. 25, T. 41 N., R. 24 W., 150 ft. W. of junction of rd. S., on center of N. head wall of concrete culvert; chiseled square 832.96
- Racket, 1 mi. W. of, in NE 1/4 sec. 31, T. 41 N., R. 23 W., 50 ft. N. and 500 ft. W. from junction of rd. S., in root on S. side of 18-in. oak tree; copper nail and washer 829.20
5. FROM CLINTON QUADRANGLE EAST ALONG COUNTY ROUTE Z TO BROWNINGTON (by S. T. Tudor in 1936)
(Continued from Clinton quadrangle; see line 1.)
- Deepwater, 1.5 mi. E. of, 30 ft. S. of highway, in N. side of transmission-line pole; spike 765.59
- Brownington, 1 mi. W. of, at bridge over Copper Creek, on top of NW. concrete wing wall; chiseled square 711.68
720.704
- U.S.C. & G.S. standard disk stamped "W 21 1934"
- *Published in line 4 of the Lincoln quadrangle (see Bull. 898-G, p. 973).

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| 6. FROM ST. LOUIS-SAN FRANCISCO RY. AT POINT 0.5 MILE NORTH OF BROWNINGTON, NORTH TO DETERMINE ELEVATION OF WATER-RESOURCES GAGE AT BRIDGE OVER GRAND RIVER (leveled twice by S. T. Tudor in 1936) | Foot 704.962 |
| U.S.C. & G.S. standard disk stamped "U 21 1934" | 702.040 |
| Brownington, 1 mi. N. of, at bridge over Grand River, in top of left up-stream pier; standard tablet (set by water-resources branch of U.S. Geol. Survey) | 701.95 |
| Brownington, 1 mi. N. of, at bridge over Grand River, on N. downstream pier; top of N. downstream corner of base plate (benchmark of water-resources branch of U.S. Geol. Survey) | |
| 7. FROM CLINTON QUADRANGLE EAST ALONG COUNTY ROUTE A (NOW STATE HIGHWAY 35) TO SEC. 7, T. 41 N., R. 24 W., THENCE EAST ALONG ROADS TO LEESVILLE, THENCE NORTHEAST TO SEC. 20, T. 43 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN WARSAW NO. 2 QUADRANGLE (by S. T. Tudor in 1936)* (Continued from Clinton quadrangle; see line 4.) | |
| T. 41 N., R. 26 W., quarter cor. between secs. 1 and 12, 35 ft. N. and 15 ft. W. from crossroad, on concrete head wall of culvert; chiseled square | 764.42 |
| T. 41 N., R. 25 W., on line between secs. 6 and 7, at bridge over Deer Creek, on top of N. end of W. abutment; chiseled square | 732.53 780.6 |
| Top of hill, 35 ft. S. of highway, in N. side of telephone pole; spike | |
| Clinton, 3.3 mi. E. of, W. sixteenth cor. between secs. 5 and 8, T. 41 N., R. 25 W., 28 ft. N. of junction of rd. S., in concrete post; standard tablet stamped "T T 645 C W A 1934" | 759.523 |
| Top of N.-S. ridge, 32 ft. S. of highway, in N. side of telephone pole; spike | 796.15 |
| T. 41 N., R. 25 W., W. sixteenth cor. between secs. 4 and 9, 30 ft. N. and 60 ft. W. from junction of rd. S., in root on E. side of 36-in. elm tree; copper nail and washer | |
| Highway at culvert, on top of concrete wing wall; chiseled square | 794.99 788.40 |
| Clinton, 5.8 mi. E. of, E. sixteenth cor. between secs. 3 and 10, T. 41 N., R. 25 W., 27 ft. S. and 43 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 646 C W A 1934" | 813.508 |
| T. 41 N., R. 25 W., E. sixteenth cor. between secs. 2 and 11, 25 ft. S. and 10 ft. E. from crossroad, on concrete head wall of culvert; chiseled square | 783.28 |
| T. 41 N., R. 25 W., E. sixteenth cor. between secs. 1 and 12, 24 ft. N. and 10 ft. W. from junction of rd. N., on head wall of concrete culvert; chiseled square | 811.48 |
| Junction of rd. N., 30 ft. S. and 45 ft. W. from, in root on NW. side of 18-in. wild-cherry tree; crossed nails | 811.61 |
| Coal, 2.5 mi. N. of, E. sixteenth cor. between secs. 6 and 7, T. 41 N., R. 24 W., 30 ft. S. and 90 ft. W. from highway corner W.-S. at rds. N. and E., in concrete post; standard tablet stamped "T T 647 C W A 1934" | 800.671 |
| T. 41 N., R. 24 W., quarter cor. between secs. 5 and 8, 70 ft. S. and 120 ft. E. from crossroads, in root on W. side of 30-in. cottonwood tree; copper nail and washer | 755.38 |
| Bridge over creek, on top of N. wing wall of E. abutment; chiseled square | 711.28 |
| T-rd. S., 12 ft. S. and 8 ft. W. from, on top of sandstone boulder; chiseled square | 784.61 |
| T. 41 N., R. 24 W., cor. secs. 3, 4, 9, and 10, 30 ft. N. and 25 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 648 C W A 1934" | 758.986 695.18 |
| Bridge over creek, on top of S. wing wall of W. abutment; chiseled square | 696.78 |
| Leesville, 0.5 mi. N. and 1 mi. W. from, at bridge over Tebo Creek, on top of S. wing wall of W. abutment; chiseled square | 805.52 |
| T-rd. S., 22 ft. N. and 8 ft. W. from, in side of gatepost; spike | |
| Leesville, 0.5 mi. E. of, 15 ft. S. and 20 ft. W. from rd. fork E., in N. side of corner fence post; spike | 807.52 |
| T. 42 N., R. 23 W., S. quarter cor. sec. 32, 25 ft. N. and 9 ft. W. from T-rd. N., on W. head wall of concrete culvert; chiseled square | 815.88 |
| Roseland, 3 mi. E. of, quarter cor. between secs. 29 and 32, T. 42 N., R. 23 W., 30 ft. S. and 40 ft. E. from County Route C at crossroad, in concrete post; standard tablet stamped "T T 651 C W A 1934" | 809.760 |
| T. 42 N., R. 23 W., center sec. 29, 12 ft. S. and 25 ft. E. from T-rd. W., in W. side of telephone pole; spike | 835.44 |
| T. 42 N., R. 23 W., S. sixteenth cor. sec. 20, 270 ft. N. and 20 ft. W. from T-rd. E., in root on E. side of 18-in. hackberry tree; copper nail and washer | 840.04 |
| Ford across creek, 150 ft. N. and 20 ft. E. from, in root on W. side of oak tree; crossed nails | 790.32 |
| T. 42 N., R. 23 W., S. sixteenth cor. sec. 17, 10 ft. S. and 35 ft. W. from T-rd. W., on top of concrete low-water bridge; chiseled square | 792.50 |
| T. 42 N., R. 23 W., in SE 1/4 sec. 17, 40 ft. N. and 20 ft. E. from T-rd. W., in root on W. side of 24-in. oak tree; copper nail and washer | 819.76 |
| Santiago, 0.5 mi. N. and 1 mi. W. from, cor. secs. 8, 9, 16, and 17, T. 42 N., R. 23 W., 19 ft. N. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 652 C W A 1934" | 814.875 |
| T. 42 N., R. 23 W., near quarter cor. between secs. 4 and 5, 30 ft. N. and 18 ft. W. from T-rd. W., in root on SE. side of 18-in. locust tree; copper nail and washer | 874.53 835.41 835.63 |
| Bridge over creek, on top of S. end of W. girder; painted square | |
| Barker Creek, on top of W. end of N. abutment of bridge; chiseled square | 863.94 |
| T. 43 N., R. 23 W., near E. sixteenth cor. between secs. 29 and 32, 15 ft. S. and 40 ft. E. from T-rd. S., in N. side of fence post; spike | |

*Line 12 of Lincoln quadrangle includes a portion of this line (see Bull. 898-a, p. 976).

T. 43 N., R. 23 W., near cor. secs. 28, 29, 32, and 33, 20 ft. S. and 45 ft. E. from T-rd. N., in root on N. side of 12-in. hedge tree; copper nail and washer

Feet
853.31

8. IN CALHOUN (by Charles E. Hunter in 1937)

U.S.C. & G.S. standard disk stamped "J 21 1934"
Calhoun, at Missouri-Kansas-Texas R.R. viaduct, 10 ft. N. of track, on E. end of pier; painted square
U.S.C. & G.S. standard disk stamped "H 21 1934"

780.090
779.27
782.269

TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR CALHOUN (by S. T. Tudor in 1936)

Calhoun, about 1 mi. W. of, in SE 1/4 sec. 35, T. 43 N., R. 25 W., 160 ft. NE. of Missouri-Kansas-Texas R.R. at rd. crossing, 15 ft. W. of right-of-way fence, in concrete post; standard tablet stamped "T T 215 C W A 1934"

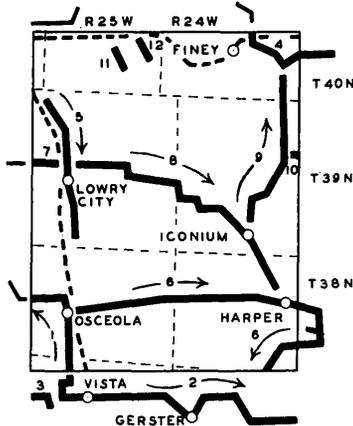
783.308
780.090

U.S.C. & G.S. standard disk stamped "J 21 1935"
Calhoun, 0.5 mi. W. of, near center sec. 36, T. 43 N., R. 25 W., on N. end of W. abutment of Missouri-Kansas-Texas R.R. bridge over Sand Creek; chiseled square

753.60

For an additional level line along Missouri-Kansas-Texas R.R. and St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Sedalia to Springfield.

LOWRY CITY QUADRANGLE
(Latitude 38°00'-38°15'; longitude 93°30'-93°45')
Benton, Henry, Hickory, and St. Clair Counties



1. FROM POINT 3.7 MILES SOUTH OF OSCEOLA NORTH ALONG STATE HIGHWAY 13 TO POINT 1 MILE NORTH OF OSCEOLA, THENCE WEST ALONG ROADS INTO CLINTON NO. 3 QUADRANGLE AT SEC. 14, T. 38 N., R. 26 W. (second-order line by H. P. Jones in 1934)

Osceola, 3.7 mi. S. of, about 300 ft. SE. of N.-S. crossroad, on W. head wall of concrete culvert; chiseled square
Osceola, 2.7 mi. S. of, about 500 ft. S. of E.-W. crossroad, on E. head wall of concrete culvert; chiseled square
Osceola, about 2 mi. S. of, 115 ft. S. of junction of rd. W., on E. head wall of concrete culvert; chiseled square
Osceola, about 1 mi. S. of, 150 ft. S. of filling sta., on E. head wall of small concrete culvert; chiseled square
Osceola, at NW. entrance to courthouse, in W. end of first concrete step; standard tablet stamped "12 J 1934 764"
Osceola, at NE. limits of, 30 ft. N. and 15 ft. E. from junction of rd. N., on E. end of small concrete culvert; chiseled square
Osceola, about 1 mi. N. of, at N. end of bridge over Osage River, in top of E. guardrail; standard tablet stamped "15 J 1934 738"
Reference mark, at W. side of N. end of bridge, on top of guardrail; chiseled square
Osceola, 1 mi. N. of, at bridge over Osage River, in center of downstream face of N. pier of main span; standard tablet (set by water-resources branch of U.S.Geol. Survey)
Osceola, about 1 mi. W. of, in SE 1/4 sec. 18, T. 38 N., R. 23 W., 200 ft. W. of E. rd. of rd. fork N., 33 ft. W. of W. rd. of rd. fork N., 30 ft. N. of E.-W. rd., in root on SE. side of 24-in. cottonwood tree; copper nail and washer

887.49
843.09
852.19
845.03
762.502
755.51
737.354
737.33
691.578
706.25

| | <u>Feet</u> |
|---|-------------|
| Osceola, 2.3 mi. W. of, in SE 1/4 sec. 13, T. 38 N., R. 26 W., 160 ft. E. of T-rd. S., 90 ft. E. of T-rd. N., 20 ft. S. of rd., in root on N. side of 20-in. post-oak tree; copper nail and washer | 881.47 |
| Osceola, 3 mi. W. of, in E 1/2 sec. 14, T. 38 N., R. 26 W., 27 ft. N. and 30 ft. W. from T-rd. N., on land of Ralph Johnson, in concrete post; standard tablet stamped "292 C W A 1934 20 J 1934 824" | 822.423 |

(Continued in Clinton No. 3 quadrangle; see line 1.)

2. FROM SEC. 8, T. 37 N., R. 25 W., EAST ALONG ROADS AND STATE HIGHWAY 13 TO VISTA, THENCE EAST ALONG VISTA-GERSTER ROAD (now County Route T) TO GERSTER, THENCE NORTH AND EAST INTO HERMITAGE QUADRANGLE AT SEC. 13, T. 37 N., R. 24 W. (second-order line by H. P. Jones in 1934)*

| | |
|--|----------|
| Bradford School, about 0.5 mi. N. of, quarter cor. between secs. 5 and 8, T. 37 N., R. 25 W., 22 ft. S. and 33 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 65 B 1933" | 858.478 |
| Reference mark, 33 ft. E. of tablet, on top of head wall of concrete culvert; chiseled square | 860.04 |
| Vista, about 1 mi. W. of, along State Highway 13, about 300 ft. NW. of junction of rd. W., on W. head wall of concrete culvert; chiseled square | 902.19 |
| Vista, at W. limits of, on State Highway 13, about 325 ft. W. of junction of rd. N., on N. head wall of concrete culvert; chiseled square | 856.32 |
| Vista, 0.5 mi. E. of, 590 ft. E. of cor. secs. 2, 3, 10, and 11, T. 37 N., R. 25 W., 200 ft. W. of crossing of old St. Louis-San Francisco Ry. grade, 35 ft. N. of rd., 17 ft. N. of fence, 40 ft. NW. of 12-in. cedar tree, in ledge; standard tablet stamped "T T 87 B 1933 868" | 867.273 |
| Vista, 1.3 mi. E. of, N. sixteenth cor. between secs. 11 and 12, T. 37 N., R. 25 W., 65 ft. N. and 45 ft. E. from junction of rd. E., in root on SE. side of 6-in. post-oak tree; copper nail and washer | 925.76 |
| Vista, 2.4 mi. E. of, near cor. secs. 1, 6, 7, and 12, T. 37 N., R. 24 and 25 W., 40 ft. N. and 25 ft. W. from rd. junction, 20 ft. E. of fence, in root on N. side of 10-in. elm tree; copper nail and washer | 762.29 |
| Gerster, 3 mi. NW. of, in SE 1/4 sec. 7, T. 37 N., R. 24 W., 0.3 mi. SE. of Weaubleau River, in front of farmhouse of J. F. Miller, 40 ft. W. of rd., 4 ft. N. of gate, in concrete post; standard tablet stamped "T T 88 B 1933" | 782.097 |
| Gerster, 2.3 mi. NW. of, in NW 1/4 sec. 17, T. 37 N., R. 24 W., about 1 mi. SE. of Weaubleau River, near top of hill, 30 ft. W. of junction of dim rd. SW., in root on E. side of 20-in. black-oak tree; copper nail and washer | 900.90 |
| Gerster, 1.1 mi. NW. of, in SE 1/4 sec. 17, T. 37 N., R. 24 W., about 500 ft. S. of Crossroads School, 10 ft. S. and 30 ft. E. from junction of dim rd. E., in root on N. side of 18-in. black-oak tree; copper nail and washer | 913.13 |
| Gerster, about 0.2 mi. N. of business district, 30 ft. S. and 35 ft. W. from junction of rd. S., 25 ft. N. and 15 ft. E. from NE. corner of Baptist Church, in concrete post; standard tablet stamped "T T 89 B 1933 859" | 857.348 |
| Gerster, 0.9 mi. NE. of, in SW 1/4 sec. 15, T. 37 N., R. 24 W., at rd. corner, 25 ft. S. of rd. E., 40 ft. W. of rd. S., in root on E. side of 15-in. oak tree; copper nail and washer | 947.39 |
| Gerster, 2 mi. NE. of, near quarter cor. between secs. 10 and 15, T. 37 N., R. 24 W., 150 ft. S. of rd. corner, 10 ft. N. and 10 ft. E. from NE. corner of old dwelling, 25 ft. W. of rd., in root on E. side of 12-in. post-oak tree; copper nail and washer | 972.28 |
| Gerster, 3 mi. NE. of, in SW 1/4 sec. 11, T. 37 N., R. 24 W., 30 ft. N. and 115 ft. E. from T-rd. N., in root on S. side of 12-in. maple tree; copper nail and washer | 965.60 |
| T. 37 N., R. 24 W., center of SE 1/4 sec. 11, 120 ft. S. and 20 ft. W. from rd. corner, in line with S. face of Kings Prairie School, in concrete post; standard tablet stamped "T T 90 B 1933 960" | 958.565 |
| Kings Prairie School, 0.8 mi. SE. of, near N. sixteenth cor. between secs. 13 and 14, T. 37 N., R. 24 W., at rd. corner, 20 ft. S. of rd. E., 5 ft. W. of rd. N., 2 ft. N. of fence corner, in concrete post; top of iron rivet | 985.68 |
| Fairview School, 1.2 mi. W. of, in SE 1/4 sec. 13, T. 37 N., R. 24 W., 30 ft. N. and 15 ft. E. from crossroads, in root on N. side of 36-in. black-oak tree; copper nail and washer | 1,025.01 |

3. FROM PLEASANT VIEW QUADRANGLE AT SEC. 12, T. 37 N., R. 26 W., EAST TO SEC. 8, T. 37 N., R. 25 W. (by H. P. Jones in 1933)**

(Continued from Clinton No. 3 quadrangle; see line 2.)

| | |
|---|---------|
| T. 37 N., R. 26 W., near center of SE 1/4 sec. 1, on State Highway 82, 3 ft. N. and 45 ft. E. from N. end of bridge over Sac River, 110 ft. S. and 45 ft. E. from junction of rd. E., in limestone ledge; standard tablet stamped "T T 64 B 1933" | 733.240 |
| T. 37 N., R. 25 W., near quarter cor. between secs. 6 and 7, S. of rd. at iron gate, in root on N. side of 24-in. oak tree; copper nail and washer | 829.08 |
| T. 37 N., R. 25 W., S. sixteenth cor. sec. 8, about 100 ft. W. of T-rd. W., in root on W. side of 22-in. oak tree; copper nail and washer | 837.25 |

*Published also as line 1 of the Humansville quadrangle (see Bull. 898-E, pp. 722-723).

**Line 2 of Humansville quadrangle includes a portion of this line (see Bull. 898-E, p. 723).

4. FROM FRISTOE QUADRANGLE AT SEC. 19, T. 40 N., R. 23 W., NORTH-WEST INTO CALHOUN QUADRANGLE AT SEC. 13, T. 40 N., R. 24 W. (by C. T. Shepherd in 1935)
- Finney, 2 mi. E. of, center sec. 19, T. 40 N., R. 23 W., 400 ft. W. of T-rd. S., on E. side of gate to yard of cabin, in root on S. side of first cedar tree; copper nail and washer
 U.S.C. & G.S. standard disk stamped "T 35 1934"
 Finney, 0.5 mi. E. of, 60 ft. N. and 24 ft. E. from T-rd. N., at SW. corner of Finney Baptist Church, in concrete post; standard tablet stamped "T T 644 C W A 1934"
 912.291
- (Continued in Calhoun quadrangle; see line 3.)
5. FROM POINT 0.5 MILE NORTH OF CHLOE, SOUTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY AND STATE HIGHWAY 13 TO SEC. 31, T. 39 N., R. 25 W. (by F. C. Lentz in 1936)
- Chloe, 0.5 mi. NW. of, along State Highway 13, 90 ft. N. and 30 ft. W. from N.-S. crossroad, in concrete post; standard tablet stamped "T T 628 C W A 1934"
 U.S.C. & G.S. standard disk stamped "A 22 1934"
 Chloe, 1 mi. E. of, on St. Louis-San Francisco Ry., 20 ft. W. of rd. crossing, in E. end of culvert; top of tile pipe
 U.S.C. & G.S. standard disk stamped "B 22 1934"
 Lowry City, 1 mi. N. of, along State Highway 13, 28 ft. S. and 73 ft. E. from junction of County Route C, 10 ft. N. and 73 ft. E. from junction of County Route A, in concrete post; standard tablet stamped "T T 614 C W A 1934"
 U.S.C. & G.S. standard disk stamped "C 22 1934"
 U.S.C. & G.S. standard disk stamped "D 22 1934"
 T. 39 N., R. 25 W., cor. secs. 29, 30, 31, and 32, 57 ft. N. and 34 ft. W. from State Highway 13 at crossroad, in yard of McNutt School, in concrete post; standard tablet stamped "T T 629 C W A 1934"
 829.442
 861.376
 867.38
 876.507
 819.945
 885.343
 839.408
 873.976
6. FROM OSCEOLA EAST ALONG COUNTY ROUTE N TO SEC. 8, T. 38 N., R. 24 W., THENCE EAST ALONG ROADS BY WAY OF HARPER TO SEC. 17, T. 38 N., R. 23 W., THENCE SOUTH ALONG STATE HIGHWAY 83 TO QUINCY, THENCE WEST ALONG ROADS TO SEC. 26, T. 38 N., R. 24 W., THENCE SOUTH INTO HUMANSVILLE QUADRANGLE AT SEC. 2, T. 37 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN FRISTOE QUADRANGLE (by F. C. Lentz in 1936)*
- Osceola, 0.2 mi. E. of, 65 ft. N. and 125 ft. E. from junction of State Highway 13, on SW. corner of concrete base of gasoline pump; chiseled square
 T. 38 N., R. 25 W., in NW 1/4 SE 1/4 sec. 15, 25 ft. S. of highway, 10 ft. W. of E. entrance to county home, in root on N. side of 14-in. black-oak tree; copper nail and washer
 T. 38 N., R. 25 W., in NW 1/4 SW 1/4 sec. 14, 150 ft. E. of E. end of bridge over creek, 25 ft. S. of highway, in root on NW. side of 36-in. pin-oak tree; copper nail and washer
 Bridge over small creek, on top of S. concrete head wall; chiseled square
 Junction of rd. S., in root on N. side of 15-in. black-oak tree; nail
 T. 38 N., R. 25 W., near center of NE 1/4 sec. 14, 3 mi. E. of Osceola, 28 ft. N. and 108 ft. E. from highway at fences N. and S., 80 ft. S. and 40 ft. E. from SE. corner of dwelling of C. S. Howe, in concrete post; standard tablet stamped "1273 E R A 1935"
 T. 38 N., R. 25 W., in NW 1/4 sec. 13, at bridge over Weaubleau Creek, on S. end of E. abutment; chiseled square
 Junction of rd. SE. at foot of hill, on top of SE. head wall of concrete culvert; chiseled square
 Junction of rd. N., 200 ft. W. of, in 13-in. white-oak tree; nail
 T. 38 N., R. 24 W., in SW 1/4 sec. 7, 35 ft. N. of highway, on SW. corner of concrete step to church; chiseled square
 Junction of rd. N. to Carbin; surface of highway
 T. 38 N., R. 24 W., in SE 1/4 sec. 8, 35 ft. N. and 25 ft. W. from junction of rd. N. to Iconium, in root on S. side of 48-in. white-oak tree; copper nail and washer
 T. 38 N., R. 24 W., about 0.2 mi. N. of cor. secs. 8, 9, 16, and 17, 7 mi. E. of Osceola, 30 ft. N. and 3 ft. W. from rd. corner W.-S., 2 ft. S. of N. right-of-way line of highway, in concrete post; standard tablet stamped "1274 E R A 1935"
 Junction of dim rd. S. at top of hill, 30 ft. S. of, in root of 14-in. black-oak tree; nail
 Harper, 3 mi. W. of, in SW 1/4 sec. 9, T. 38 N., R. 24 W., 25 ft. S. of rd., in root on S. side of 12-in. white-oak tree; copper nail and washer
 Harper, 2.5 mi. W. of, in SE 1/4 sec. 9, T. 38 N., R. 24 W., 50 ft. W. of dim rd. S., 35 ft. S. of rd., in root on N. side of 30-in. white-oak tree; copper nail and washer
 Harper, 1.5 mi. W. of, in SE 1/4 sec. 10, T. 38 N., R. 24 W., 35 ft. S. and 35 ft. W. from T-rd. S., in root on N. side of 16-in. black-oak tree; copper nail and washer
 Harper, 1 mi. W. of, in SW 1/4 sec. 11, T. 38 N., R. 24 W., in root of 12-in. white-oak tree; nail
 Harper, 110 ft. NW. of NW. corner of school, 20 ft. E. of rd., in concrete post; standard tablet stamped "2 L 1936"
 Reference mark, 60 ft. SE. of tablet, on NW. corner of concrete base of pump; chiseled square
 735.85
 803.60
 701.74
 747.98
 835.08
 855.671
 703.92
 722.14
 923.17
 907.38
 720.0
 719.18
 755.831
 893.80
 931.73
 934.21
 921.31
 949.70
 940.571
 940.13

*Line 11 of Fristoe quadrangle includes a portion of this line (see Bull. 898-G, pp. 981-982).

| | Feet |
|---|---------|
| Top of hill, 50 ft. N. of rd., 250 ft. E. of barn, in root on E. side of 38-in. white-oak tree; bolt | 932.92 |
| T. 38 N., R. 23 W., in sec. 7, at NE. corner of Harper's Cemetery, 30 ft. W. of rd., in root on E. side of 18-in. white-oak tree; copper nail and washer | 921.67 |
| T. 38 N., R. 23 W., in NW 1/4 sec. 17, 125 ft. SE. of SE. corner of farmhouse of R. Burton, 80 ft. NE. of rd. at curve, in root of 18-in. locust tree; copper nail and washer | 956.75 |
| T. 38 N., R. 23 W., in SW 1/4 sec. 17, 20 ft. S. and 20 ft. W. from T-rd. N., in root of 8-in. white-oak tree; copper nail and washer | 951.20 |
| T. 38 N., R. 23 W., near E. sixteenth cor. between secs. 17 and 20, 16 ft. N. and 28 ft. E. from crossroad, in concrete post; standard tablet stamped "3 L 1936" | 941.462 |
| Reference mark, 55 ft. SW. of tablet, on concrete head wall of culvert; chiseled square | 941.70 |
| Quincy, 1.2 mi. N. of, 20 ft. E. of highway, 10 ft. NW. of 36-in. elm tree, on concrete head wall of culvert; chiseled square | 941.06 |
| Crossroad, on concrete head wall of culvert; chiseled square | 967.58 |
| Quincy, 0.2 mi. N. and 1 mi. W. from, at ford across Hogles Creek, 40 ft. SW. of creek, 35 ft. W. of rd., in root of 40-in. sycamore tree; copper nail and washer | 883.91 |
| T-rd. N., at base of 8-in. white-oak tree; painted mark | 986.9 |
| Quincy, about 2.5 mi. W. of, 260 ft. SE. of SE. corner of Prairie Grove School, 35 ft. S. and 200 ft. E. from T-rd. N., in root of 30-in. black-oak tree; copper nail and washer | 971.57 |
| Prairie Grove School, 0.2 mi. W. of, in sec. 25, T. 38 N., R. 24 W., in center of triangle formed by T-rd. N., in concrete post; standard tablet stamped "8 L 1936" | 988.540 |
| T. 38 N., R. 24 W., in NE 1/4 sec. 26, 25 ft. S. and 45 ft. E. from T-rd. N., in root on N. side of 38-in. gum tree; copper nail and washer | 925.52 |
| T-rd. W., in 30-in. white-oak tree; nail | 846.68 |
| T. 38 N., R. 24 W., 340 ft. E. of E. sixteenth cor. sec. 35, on property of G. W. Wheeler, 150 ft. E. of wire gate, 1 ft. E. of fence, in concrete post; standard tablet stamped "9 L 1936" | 821.133 |
| T. 37 N., R. 24 W., center of NE 1/4 sec. 2, 100 ft. W. of rd. corner, 35 ft. S. of fence, in root of 38-in. elm tree; copper nail and washer | 839.20 |

7. FROM POINT 1 MILE NORTH OF LOWRY CITY WEST ALONG COUNTY ROUTE A INTO CLINTON NO. 3 QUADRANGLE (by F. C. Lentz in 1936)

| | |
|--|--------|
| Lowry City, 1 mi. N. and 2 mi. W. from, 1 mi. W. of junction of State Highway 13, 30 ft. S. and 30 ft. W. from crossroad, on top of concrete right-of-way post; painted square | 854.25 |
|--|--------|

(Continued in Clinton No. 3 quadrangle; see line 7.)

8. FROM POINT 1 MILE NORTH OF LOWRY CITY EAST ALONG COUNTY ROUTE C TO OSAGE RIVER, THENCE EAST TO ICONIUM, THENCE SOUTH ALONG HARPER-ICONIUM ROAD TO HARPER (by F. C. Lentz in 1936)*

| | |
|---|---------|
| T. 39 N., R. 25 W., in SW. cor. sec. 8, 45 ft. N. and 20 ft. E. from crossroad, in root of triple 6-in. maple tree; copper nail and washer | 853.61 |
| Junction of rd. N., on W. end of pipe culvert; painted square | 855.45 |
| T. 39 N., R. 25 W., in SE. cor. sec. 8, 15 ft. N. and 500 ft. W. from crossroad, on concrete culvert; chiseled square | 842.30 |
| T. 39 N., E. 25 W., cor. secs. 9, 10, 15, and 16, 1 mi. N. and 3 mi. E. from Lowry City, 25 ft. S. and 25 ft. E. from County Route C at rd. corner W.-S. at rd. E., in concrete post; standard tablet stamped "T T 613 C W A 1934" | 835.833 |
| T. 39 N., R. 25 W., center of NE 1/4 sec. 15, 90 ft. W. of junction of rd. N., 20 ft. N. of highway, on concrete culvert; chiseled square | 765.14 |
| Bridge over Snyder Creek, at SW. corner of, on concrete wing wall; chiseled square | 718.43 |
| T. 39 N., R. 25 W., near center sec. 14, 40 ft. SW. of highway at top of hill, in root of 14-in. white-oak tree; copper nail and washer | 841.25 |
| Junction of rd. W., in root of 12-in. white-oak tree; nail | 736.72 |
| Bridge over Osage River, at W. end of, in root of 18-in. white-oak tree; nail | 693.77 |
| T. 39 N., R. 25 W., in E 1/2 sec. 13, 0.3 mi. E. of bridge over Osage River at Brown's Ford, 6 ft. N. and 15 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 612 C W A 1934" | 733.760 |
| T-rd. N., in root of 12-in. white-oak tree; nail | 711.07 |
| Iconium, 5 mi. NW. of, 100 ft. N. of Bray farmhouse, 20 ft. S. of rd., in root of 16-in. black-oak tree; copper nail and washer | 793.06 |
| Dm rd. N. at top of hill, in root of 36-in. white-oak tree; copper nail and washer | 927.86 |
| Iconium, 4 mi. NW. of, 15 ft. S. and 100 ft. E. from rd. fork SW., 300 ft. SW. of farmhouse, in root of 36-in. black-oak tree; copper nail and washer | 936.55 |
| Iconium, 3 mi. NW. of, about 650 ft. W. of cor. secs. 20, 21, 28, and 29, T. 39 N., R. 24 W., 75 ft. N. and 5 ft. W. from NW. corner of dwelling of M. D. Scott, 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 611 C W A 1934" | 906.355 |
| T-rd. N., in root of 12-in. white-oak tree; copper nail and washer | 897.28 |
| Iconium, 1.3 mi. W. of, 40 ft. S. and 50 ft. E. from rd. corner, 10 ft. E. of dm rd. S., in root of 14-in. white-oak tree; copper nail and washer | 918.33 |
| Iconium, 150 ft. N. and 125 ft. W. from T-rd. W., at SW. corner of school, on SW. corner of concrete base of well; chiseled square | 928.70 |

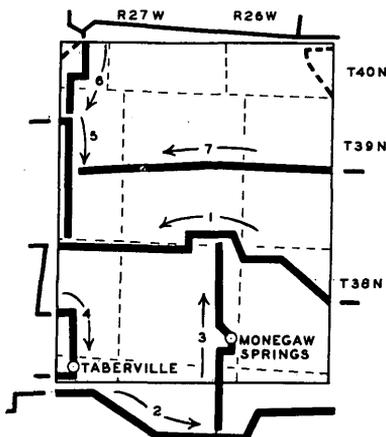
*Line 14 of Fristoe quadrangle includes a portion of this line (see Bull. 898-g, p. 982).

| | <u>Feet</u> |
|--|-------------|
| Iconium, near S. limits of, 54 ft. SE. of SE. corner of Liberty Missionary Baptist Church, 36 ft. E. of 16-in. oak tree, in concrete post; standard tablet stamped "T T 610 C W A 1934" | 925.302 |
| Iconium, 1 mi. SE. of, on Harper-Iconium rd., 200 ft. N. of rd. corner, 25 ft. W. of rd., in root of 14-in. white-oak tree; copper nail and washer | 918.12 |
| Harper, 1.7 mi. N. of, on Harper-Iconium rd., 50 ft. S. and 30 ft. E. from junction of rd. E., in root of twin 24-in. white-oak trees; copper nail and washer | 953.45 |
| Harper, 0.9 mi. N. of, on Harper-Iconium rd., 25 ft. S. and 15 ft. E. from junction of rd. W. and dim rd. E., in 30-in. water-oak tree; copper nail and washer | 949.15 |
| 9. FROM ICONIUM NORTH TO POINT 2 MILES EAST OF FINNEY (by F. C. Lentz in 1936)* | |
| Iconium, 0.8 mi. N. of, 15 ft. S. and 15 ft. E. from T-rd. E., on top of concrete head wall; chiseled square | 938.13 |
| T. 39 N., R. 24 W., in NE 1/4 sec. 22, 20 ft. W. of T-rd. E., in root on E. side of 12-in. white-oak tree; copper nail and washer | 930.15 |
| T. 39 N., R. 24 W., about 870 ft. W. of E. sixteenth cor. between secs. 14 and 23, 15 ft. S. of rd. corner N.-W., in concrete post; standard tablet stamped "10 L 1936" | 967.604 |
| T. 39 N., R. 24 W., in NE 1/4 sec. 14, about 200 ft. SE. of farmhouse of A. M. Smith, 5 ft. W. of rd., in root on E. side of 24-in. white-oak tree; copper nail and washer | 995.94 |
| T-rd. S., about 0.5 mi. S. of, in saddle of ridge, 250 ft. S. of S. end of double-line rd., 15 ft. W. of rd., in root on S. side of 10-in. hickory tree; copper nail and washer | 960.19 |
| T. 39 N., R. 24 W., S. sixteenth cor. between secs. 1 and 2, 15 ft. S. and 20 ft. W. from T-rd. S., in root on E. side of 10-in. black-oak tree; copper nail and washer | 947.58 |
| Intersection of ridge trails, about 0.5 mi. S. of Osage River, in root on E. side of triangular-blazed 14-in. hickory tree; copper nail and washer | 905.35 |
| Osage River, 0.4 mi. E. (W. *) of, 350 ft. S. of farmhouse of B. M. Smith, 24 ft. SE. of rd., in root on N. side of 14-in. elm tree; copper nail and washer | 684.05 |
| White Sulphur Springs, 0.3 mi. SW. of, on top of ridge, 28 ft. W. of rd., in root on E. side of 18-in. white-oak tree; copper nail and washer | 765.77 |
| White Sulphur Springs Camp, 582 ft. N. and 78 ft. W. from entrance to, N. quarter cor. sec. 1, T. 39 N., R. 24 W., 219 ft. E. of stake, 283 ft. E. of T-fence N. at S. cor. secs. 31 and 32, T. 40 N., R. 23 W., 2 ft. S. and 78 ft. W. from rd. at fence W., on Benton-St. Clair county line, in concrete post; standard tablet stamped "1270 E R A 1935" | 682.686 |
| White Sulphur Springs Camp, 1.2 mi. N. of, 65 ft. SW. of SW. corner of Mountain Home School, 50 ft. NW. of rd., in root on S. side of 18-in. white-oak tree; copper nail and washer | 863.89 |
| Rd. forks NE., NW., and S., in root of 10-in. hickory tree; copper nail Finney, 2 mi. E. and 0.3 mi. S. from, 25 ft. E. of rd. at fence corner, in root of 30-in. black-oak tree; copper nail and washer | 885.98 |
| Finney, 2 mi. E. of, 120 ft. S. and 15 ft. W. from T-rd. S. to White Sulphur Springs Camp, in root of 8-in. white-oak tree; copper nail and washer | 937.85 |
| | 927.11 |
| 10. FROM SEC. 1, T. 39 N., R. 24 W., EAST INTO FRISTOE QUADRANGLE AT SEC. 1, T. 39 N., R. 24 W. (by F. C. Lentz in 1936) | |
| T. 39 N., R. 24 W., in SE 1/4 sec. 1, about 0.5 mi. W. of Benton-St. Clair county line, 30 ft. S. of winding rd., W. of small branch, near gatepost at jog in fence, in concrete post; standard tablet stamped "T T 557 C W A 1934" | 821.679 |
| 11. IN SEC. 22, T. 40 N., R. 25 W. (by S. T. Tudor in 1936) | |
| U.S.C. & G.S. standard disk stamped "Y 35 1934" | 791.504 |
| Brownington, 0.5 mi. S. and 2.5 mi. E. from, near center sec. 22, T. 40 N., R. 25 W., 47 ft. E. from T-rd. W., 17 ft. S. and 47 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 642 C W A 1934" | 794.528 |
| 12. IN SEC. 24, T. 40 N., R. 25 W. (by S. T. Tudor in 1936) | |
| U.S.C. & G.S. standard disk stamped "X 35 1934" | 879.454 |
| Mount Zion, 1 mi. N. of, E. sixteenth cor. between secs. 24 and 25, T. 40 N., R. 25 W., 10 ft. S. and 25 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 643 C W A 1934" | 863.696 |
| For additional level lines along St. Louis-San Francisco Ry. and county roads, refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Linn Creek to Brownington. | |

*Published also as line 15 of the Fristoe quadrangle (see Bull. 898-G, pp. 982-983).

CLINTON NO. 3 QUADRANGLE
(Latitude $38^{\circ}00' - 38^{\circ}15'$; longitude $93^{\circ}45' - 94^{\circ}00'$)

Henry and St. Clair Counties



1. FROM LOWRY CITY QUADRANGLE AT SEC. 14, T. 38 N., R. 26 W., NORTHWEST THROUGH CHALK LEVEL INTO APPLETON CITY QUADRANGLE AT SEC. 33, T. 39 N., R. 28 W. (second-order line by H. P. Jones in 1934)
(Continued from Lowry City quadrangle; see line 1.)

| | <u>Feet</u> |
|--|-------------|
| Osceola, 3.8 mi. NW. of, along rd. to Chalk Level, near quarter cor. between secs. 11 and 14, T. 38 N., R. 26 W., 30 ft. N. and 20 ft. E. from T-rd. N., in root on S. side of 10-in. wild-cherry tree; copper nail and washer | 808.60 |
| Osceola, 4.8 mi. NW. of, along rd. to Chalk Level, near center of SE 1/4 sec. 10, T. 38 N., R. 26 W., at rd. corner, 35 ft. S. of rd. W., 30 ft. E. of rd. S., in root on S. side of 30-in. post-oak tree; copper nail and washer | 902.11 |
| Osceola, 5.9 mi. NW. of, near quarter cor. between secs. 9 and 10, T. 38 N., R. 26 W., 35 ft. S. and 12 ft. E. from N. junction of rd. E., in triangle, in concrete post; standard tablet stamped "21 J 1934 797" | 795.664 |
| Osceola, 7 mi. NW. of, along rd. to Chalk Level, 1.2 mi. SE. of Chalk Level, near center sec. 4, T. 38 N., R. 26 W., at rd. corner, 30 ft. S. of rd. W., 30 ft. W. of rd. S., in root on NW. side of 18-in. maple tree; copper nail and washer | 908.67 |
| Chalk Level, near N. sixteenth cor. sec. 5, T. 38 N., R. 26 W., 60 ft. N. and 35 ft. E. from T-rd. N., at store, on NW. corner of concrete base of gasoline pump; chiseled square | 903.67 |
| Tps. 38 and 39 N., R. 26 W., E. sixteenth cor. between secs. 6 and 31, 20 ft. S. and 35 ft. E. from crossroads, in concrete post; standard tablet stamped "291 C W A 1934 22 J 820" | 819.172 |
| T. 39 N., Rs. 26 and 27 W., near S. sixteenth cor. between secs. 31 and 36, 45 ft. N. and 25 ft. W. from rd. forks, in root on E. side of 8-in. post-oak tree; copper nail and washer | 867.61 |
| T. 39 N., R. 27 W., in NW 1/4 sec. 36, 500 ft. NW. of iron bridge, 180 ft. N. of rd. fork W., on W. head wall of concrete culvert; chiseled square | 748.76 |
| T. 39 N., R. 27 W., near quarter cor. between secs. 26 and 35, 30 ft. N. and 30 ft. W. from crossroads, in root on S. side of 10-in. wild-cherry tree; copper nail and washer | 867.20 |
| T. 39 N., R. 27 W., cor. secs. 26, 27, 34, and 35, 20 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "23 J 1934" | 832.920 |
| T. 39 N., R. 27 W., in SW 1/4 sec. 27, 30 ft. N. of rd. corner from S.-W., in root on S. side of 15-in. wild-cherry tree; copper nail and washer | 840.25 |
| T. 39 N., R. 27 W., near quarter cor. between secs. 28 and 33, 30 ft. N. and 30 ft. W. from T-rd. S., in root on E. side of 20-in. black-oak tree; copper nail and washer | 775.22 |
| Tps. 38 and 39 N., R. 27 W., near quarter cor. between secs. 4 and 33, 20 ft. N. and 120 ft. E. from T-rd. N., 15 ft. W. of rd. S., in root on S. side of 12-in. wild-cherry tree; copper nail and washer | 856.67 |
| Tps. 38 and 39 N., R. 27 W., quarter cor. between secs. 5 and 32, 76 ft. W. of SW. corner of only dwelling at Tuka Springs, in concrete post; standard tablet stamped "24 J 1934 749" | 748.025 |
| Tps. 38 and 39 N., R. 27 W., near E. sixteenth cor. between secs. 6 and 31, 7 ft. S. and 65 ft. W. from T-rd. S., on S. head wall of concrete culvert; chiseled square | 778.96 |
| Tps. 38 and 39 N., R. 28 W., near E. sixteenth cor. between secs. 1 and 36, about 200 ft. SW. of rd. at creek, at rd. corner, in root on S. side of 24-in. maple tree; copper nail and washer | 733.29 |
| Tps. 38 and 39 N., R. 28 W., about 0.1 mi. E. of quarter cor. between secs. 2 and 35, about 250 ft. SE. of dwelling of John Ditty, 20 ft. N. of rd., 12 ft. W. of fence corner, in concrete post; standard tablet stamped "25 J 1934" | 842.178 |

| | |
|--|-----------------------|
| Tps. 38 and 39 N., R. 28 W., near E. sixteenth cor. between secs. 3 and 34, 20 ft. N. of rd., 15 ft. E. of fence corner, in root on N. side of 15-in. mulberry tree; copper nail and washer | <u>Feet</u> 814.29 |
| T. 39 N., R. 28 W., S. cor. secs. 33 and 34, 26 ft. N. and 30 ft. E. from T-rd. N., 26 ft. N. and 42 ft. E. from T-rd. S. at N. cor. secs. 3 and 4, T. 38 N., R. 28 W., in concrete post; standard tablet stamped "295 C W A 1934 26 J 1934 842" | 840.401 |

(Continued in Appleton City quadrangle; see line 1.)

2. FROM WALKER QUADRANGLE AT SEC. 11, T. 37 N., R. 28 W., EAST INTO HUMANSVILLE QUADRANGLE AT SEC. 12, T. 37 N., R. 26 W.
(by H. P. Jones in 1933)*

| | |
|--|---------|
| T. 37 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 15 ft. W. from crossroads, in base of telephone pole; spike | 814.15 |
| T. 37 N., R. 28 W., E. sixteenth cor. between secs. 11 and 14, 115 ft. S. and 15 ft. E. from T-rd. W., 5 ft. W. of gate to yard of dwelling, on top of concrete step; chiseled square | 779.19 |
| T. 37 N., R. 28 W., about 0.1 mi. W. of center of SE 1/4 sec. 13, 670 ft. NW. of bridge over Clear Creek, 55 ft. S. of rd. forks, 25 ft. W. of rd., 3 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 56 B 1933" | 717.256 |
| T. 37 N., R. 27 W., on line between secs. 18 and 19, 18 ft. S. and 18 ft. E. from crossroads, 1 ft. above ground in corner fence post; spike | 778.52 |
| T. 37 N., R. 27 W., near E. sixteenth cor. sec. 19, 10 ft. N. and 28 ft. W. from T-rd. S., on top of head wall of concrete culvert; chiseled square | 765.94 |
| T. 37 N., R. 27 W., center sec. 20, 8 ft. S. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square | 791.74 |
| T. 37 N., R. 27 W., center sec. 21, 19 ft. S. and 41 ft. E. from T-rd. S., 1 ft. S. and 19 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 57 B 1933" | 839.869 |
| T. 37 N., R. 27 W., quarter cor. between secs. 21 and 22, 25 ft. N. and 18 ft. W. from T-rd. N., about 1 ft. above ground in corner fence post; spike | 805.86 |
| T. 37 N., R. 27 W., quarter cor. between secs. 22 and 23, 35 ft. S. and 40 ft. E. from crossroads, in root on N. side of 14-in. oak tree; copper nail and washer | 871.68 |
| T. 37 N., R. 27 W., quarter cor. between secs. 23 and 24, 65 ft. S. and 25 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 61 B 1933" | 812.332 |
| T. 37 N., R. 26 and 27 W., near quarter cor. between secs. 19 and 24, on S. end of W. abutment of bridge over small creek; chiseled square | 729.78 |
| T. 37 N., R. 26 W., in SE 1/4 sec. 19, on State Highway 82, 50 ft. N. and 10 ft. W. from junction of rd. W., on SW. corner of concrete bridge; chiseled square | 730.93 |
| T. 37 N., R. 26 W., about 0.2 mi. S. of cor. secs. 17, 18, 19, and 20, on State Highway 82, 25 ft. E. of crossroad, on top of head wall of concrete culvert; chiseled square | 760.42 |
| Roscoe, at S. limits of, near E. sixteenth cor. sec. 17, T. 37 N., R. 26 W., on State Highway 82, about 250 ft. E. of junction of rd. N., on top of N. head wall of concrete culvert; chiseled square | 735.54 |
| T. 37 N., R. 26 W., quarter cor. between secs. 16 and 17, on State Highway 82, 40 ft. N. and 60 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 62 B 1933" | 770.736 |
| T. 37 N., R. 26 W., quarter cor. between secs. 15 and 16, on State Highway 82, 15 ft. S. and 40 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square | 804.70 |
| T. 37 N., R. 26 W., in NE 1/4 sec. 15, on State Highway 82, 7 ft. S. and 75 ft. E. from N.-S. crossroad, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 63 B 1933" | 781.973 |
| T. 37 N., R. 26 W., in SW 1/4 sec. 11, on State Highway 82, on top of N. head wall of concrete culvert; chiseled square | 741.09 |
| T. 37 N., R. 26 W., in NE 1/4 sec. 11, on State Highway 82, on top of N. head wall of concrete culvert; chiseled square | 763.75 |

(Continued in Lowry City quadrangle; see line 3.)

3. FROM SEC. 23, T. 37 N., R. 27 W., NORTH THROUGH MONEGAW SPRINGS TO SEC. 35, T. 39 N., R. 27 W., INCLUDING THAT PART OF THE LINE IN PLEASANT VIEW QUADRANGLE (by C. T. Shepherd in 1934)**

| | |
|---|---------|
| T. 37 N., R. 27 W., near E. sixteenth cor. between secs. 14 and 23, 9 ft. S. and 30 ft. E. from rd. corner, in root of 18-in. walnut tree; copper nail and washer | 833.68 |
| T. 37 N., R. 27 W., in E 1/2 sec. 14, 275 ft. N. of frame dwelling, 11 ft. W. of rd.; (mark not described) | 858.04 |
| T. 37 N., R. 27 W., on line between secs. 12 and 13, 15 ft. S. and 30 ft. W. from T-rd. N., in root of 24-in. oak tree; copper nail and washer | 809.97 |
| Monegaw Springs, 2.5 mi. S. and 0.5 mi. W. from W. sixteenth cor. between secs. 1 and 12, T. 37 N., R. 27 W., 15 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T 606 C W A 1934" | 813.380 |
| Reference mark, 150 ft. N. of tablet, in root of 36-in. oak tree; copper nail and washer | 808.60 |
| Monegaw Springs, about 1.5 mi. S. of, in SE 1/4 sec. 36, T. 38 N., R. 27 W., 45 ft. S. of rd. fork N., in root of 24-in. oak tree; copper nail and washer | 768.88 |
| Monegaw Springs, 0.5 mi. S. of, in NE 1/4 sec. 36, T. 38 N., R. 27 W., at bridge over Osage River, on top of NW. corner of NE. pier; painted cross | 741.11 |

*Published also as line 1 of Pleasant View quadrangle (see Bull. 898-E, pp. 718-719).

**Line 7 of Pleasant View quadrangle includes a portion of this line (see Bull. 898-E, p. 722).

| | <u>Feet</u> |
|---|-------------|
| Monegaw Springs, near post office, 32 ft. S. and 40 ft. W. from cross-roads, in concrete post; standard tablet stamped "T T 607 C W A 1934" | 757.552 |
| Reference mark, 60 ft. N. and 80 ft. W. from tablet, in root of 18-in. oak tree; copper nail and washer | 764.34 |
| Monegaw Springs, 1 mi. W. of, near quarter cor. between secs. 25 and 26, T. 38 N., R. 27 W., 30 ft. N. and 15 ft. E. from T-rd. N., in root of 14-in. oak tree; copper nail and washer | 858.38 |
| Monegaw Springs, about 1.5 mi. W. and 1.2 mi. N. from, N. sixteenth cor. sec. 25, T. 38 N., R. 27 W., 80 ft. N. and 10 ft. E. from T-rd. N., in root of 14-in. oak tree; copper nail and washer | 837.50 |
| Monegaw Springs, 3.1 mi. NW. of, near center sec. 14, T. 38 N., R. 27 W., 12 ft. E. of rd., 10 ft. S. of E. fence between pasture and woods, in concrete post; standard tablet stamped "T T 608 C W A 1934" | 815.736 |
| Reference mark, 100 ft. N. of tablet, in root of 24-in. oak tree; nail | 808.10 |
| T. 38 N., R. 27 W., near quarter cor. between secs. 11 and 14, 50 ft. N. and 10 ft. E. from T-rd. W., in root of 18-in. oak tree; nail | 733.35 |
| Johnson City, about 4 mi. E. and 1 mi. S. from, near E. sixteenth cor. between secs. 2 and 35, Tps. 38 and 39 N., R. 27 W., 15 ft. S. and 15 ft. W. from rd. corner E.-N., 20 ft. N. and 262 ft. W. from rd. corner S.-W., in concrete post; standard tablet stamped "T T 609 C W A 1934" | 867.726 |
| Reference mark, 570 ft. N. of tablet, W. of rd., in root of oak tree; copper nail and washer | 870.88 |
| 4. FROM APPLETON CITY QUADRANGLE AT SEC. 27, T. 38 N., R. 28 W., SOUTH INTO APPLETON CITY QUADRANGLE AT SEC. 3, T. 37 N., R. 28 W. (by C. T. Shepherd in 1934) (Continued from Appleton City quadrangle; see line 4.) | |
| T. 38 N., R. 28 W., about 0.3 mi. S. of quarter cor. between secs. 27 and 34, 22 ft. W. of rd., in concrete post; standard tablet stamped "221 C W A 1934" | 786.722 |
| T. 37 N., R. 28 W., in sec. 3, 0.3 mi. S. of Taberville, at bridge over Osage River, on top of I beam over NW. pier; painted cross | 733.54 |
| (Continued in Appleton City quadrangle; see line 4.) | |
| 5. FROM APPLETON CITY QUADRANGLE AT SEC. 4, T. 39 N., R. 28 W., SOUTH ALONG ROADS (now County Routes A and H) TO SEC. 34, T. 39 N., R. 28 W. (by C. T. Shepherd in 1935) (Continued from Appleton City quadrangle; see line 6.) | |
| Appleton City, about 1.2 mi. E. of E. limits of, on State Highway 52, 62 ft. N. and 46 ft. W. from curve W.-N. at junction of County Route A to S., in concrete post; standard tablet stamped "406 C W A 1934" | 840.767 |
| T. 39 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 70 ft. N. and 30 ft. E. from County Route A at E.-W. crossroad, on top of right-of-way post; (mark not described) | 845.73 |
| T. 39 N., R. 28 W., cor. secs. 9, 10, 15, and 16, 90 ft. S. and 33 ft. E. from crossroads, in root on W. side of 24-in. walnut tree; copper nail and washer | 842.98 |
| T. 39 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 68 ft. N. and 34 ft. W. from crossroads, in yard of Appleton Center School, in concrete post; standard tablet stamped "T T 305 C W A 1934" | 807.492 |
| T. 39 N., R. 28 W., cor. secs. 21, 22, 27, and 28, 120 ft. S. and 25 ft. E. from T-rd. W., in front of farmhouse of Ollie Deller, in root on W. side of 20-in. catalpa tree; copper nail and washer | 818.74 |
| T. 39 N., R. 28 W., near cor. secs. 27, 28, 33, and 34, 75 ft. W. of rd. at S. end of steel bridge over Monegaw Creek, in root on NE. side of 40-in. oak tree; spike | 760.49 |
| 6. FROM CLINTON QUADRANGLE SOUTH ALONG STATE HIGHWAY 52 TO SEC. 4, T. 39 N., R. 28 W. (by S. T. Tudor in 1936) | |
| Concrete culvert, on top of W. concrete head wall; chiseled square | 822.59 |
| Montrose, 1 mi. S. of, at bridge over Bear Creek, on top of W. end of N. abutment; chiseled square | 800.56 |
| Montrose, 2 mi. S. of, cor. secs. 25, 26, 35, and 36, T. 40 N., R. 28 W., 36 ft. N. and 27 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 234 C W A 1934" | 853.424 |
| T. 40 N., R. 28 W., S. cor. secs. 35 and 36, 30 ft. N. and 500 ft. W. from junction of rd. N., at W. end of curve in highway, on concrete head wall of culvert; chiseled square | 864.18 |
| T. 40 N., R. 28 W., on S. line sec. 35, 20 ft. N. and 300 ft. E. from junction of rd. S., at E. end of curve in highway, on top of concrete head wall of culvert; chiseled square | 865.57 |
| Culvert, on W. concrete head wall; chiseled square | 846.29 |
| Junction of rd. E., 30 ft. N. and 60 ft. E. from, in root on W. side of 15-in. linden tree; copper nail and washer | 848.72 |

7. FROM LOWRY CITY QUADRANGLE WEST ALONG COUNTY ROUTE A TO SEC. 10,
T. 39 N., R. 28 W. (by F. C. Lentz in 1936)
(Continued from Lowry City quadrangle; see line 7.)

| | <u>Feet</u> |
|--|-------------|
| Lowry City, 1 mi. N. and 2 mi. W. from, 25 ft. S. and 65 ft. W. from crossroad, in root on N. side of 15-in. maple tree; copper nail and washer | 860.94 |
| Junction of rd. S., in root of 1 1/4-in. locust tree; nail | 854.04 |
| T. 39 N., R. 26 W., cor. secs. 9, 10, 15, and 16, 40 ft. S. and 60 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "4 L 1936" | 833.900 |
| T. 39 N., R. 26 W., cor. secs. 8, 9, 16, and 17, on top of iron pipe culvert; painted square | 841.31 |
| T. 39 N., R. 26 W., quarter cor. between secs. 8 and 17, 30 ft. N. and 220 ft. E. from crossroad, 10 ft. W. of farm entrance, on top of concrete right-of-way post; painted square | 851.73 |
| T. 39 N., R. 26 W., near E. sixteenth cor. between secs. 7 and 18, 30 ft. N. and 15 ft. E. from junction of rd. S., on top of concrete right-of-way post; painted square | 809.78 |
| T. 39 N., Rs. 26 and 27 W., cor. secs. 7, 12, 13, and 18, 35 (55 ?) ft. N. and 55 (35 ?) ft. E. from crossroad, in concrete post; standard tablet stamped "5 L 1936" | 829.755 |
| Junction of rd. N., in root of twin wild-cherry tree; nail | 842.78 |
| T. 39 N., R. 27 W., cor. secs. 11, 12, 13, and 14, 35 ft. N. and 65 ft. E. from crossroad, on top of concrete right-of-way post; painted square | 836.64 |
| Junction of rd. S., on top of concrete right-of-way post; painted square | 844.59 |
| T. 39 N., R. 27 W., cor. secs. 10, 11, 14, and 15, 35 ft. N. and 450 ft. E. from crossroad, in root of 1 1/4-in. elm tree; copper nail and washer | 844.58 |
| Junction of rd. S., 35 ft. N. of, on top of right-of-way post; painted square | 843.92 |
| T. 39 N., R. 27 W., cor. secs. 9, 10, 15, and 16, 40 ft. S. and 55 ft. E. from crossroad, 160 ft. N. and 25 ft. W. from NW. corner of Center School, in sandstone post; standard tablet stamped "6 L 1936" | 855.697 |
| T. 39 N., R. 27 W., cor. secs. 8, 9, 16, and 17, 30 ft. S. and 35 ft. E. from crossroad, in root of 2 1/4-in. elm tree; copper nail and washer | 850.63 |
| T. 39 N., R. 27 W., cor. secs. 7, 8, 17, and 18, 150 ft. N. and 25 ft. W. from crossroad, 25 ft. W. of SE. corner of Greenvalley School, on SE. corner of concrete base of flagpole; chiseled square | 796.14 |
| T. 39 N., R. 27 W., near SW. cor. sec. 7, 45 ft. N. and 45 ft. E. from crossroad, in concrete post; standard tablet stamped "7 L 1936" | 816.433 |
| T. 39 N., R. 28 W., cor. secs. 11, 12, 13, and 14, 30 ft. S. and 70 ft. W. from crossroad, on top of concrete right-of-way post; painted square | 813.68 |
| T. 39 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 30 ft. N. and 115 ft. W. from crossroad, in root of 1 1/4-in. ash tree; copper nail and washer | 806.50 |

For additional level lines along St. Louis-San Francisco Ry. and Missouri-Kansas-Texas R.R., refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Clinton to Walker.

| | <u>Feet</u> |
|---|-------------|
| Clinton, 5 mi. S. of, 30 ft. N. and 35 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 631 C W A 1934" | 725.453 |
| Clinton, about 4.5 mi. S. of, 20 ft. N. and 15 ft. E. from junction of rd. E., on top of concrete head wall of culvert; chiseled square | 757.57 |
| Clinton, about 4 mi. S. of, 20 ft. N. and 30 ft. W. from crossroad, in SE. side of telephone pole; spike | 754.76 |
| Culvert, on top of W. concrete head wall; chiseled square | 705.56 |
| Bridge over Grand River, on top of E. wing wall of N. abutment; chiseled square | 712.27 |
| Clinton, 2 mi. S. of, 24 ft. N. and 50 ft. W. from highway at fence W., in concrete post; standard tablet stamped "T T 632 C W A 1934" | 706.784 |
| Culvert, on top of W. concrete head wall; chiseled square | 733.54 |
| Clinton, about 1 mi. S. of, 12 ft. S. and 15 ft. W. from junction of rd. W., on top of concrete head wall of culvert; chiseled square | 765.77 |
| Clinton, at intersection of Second and Bodine Streets, on pavement; painted square | 805.93 |
| Clinton, 16 ft. S. and 31 ft. W. from intersection of South Second and East Ohio Streets, in concrete post; standard tablet stamped "T T 625 C W A 1934" | 803.215 |
| Reference mark, 6 ft. S. and 10 ft. E. from tablet, on top of concrete curb; chiseled square | 803.03 |
| U.S.C. & G.S. standard disk stamped "G 119 1935" | 806.412 |
| Clinton, at N. edge of, in triangle formed by intersection of State Highway 35, 20 ft. W. of Highway 13, in SW. side of transmission-line pole; spike | 798.24 |
| Junction of rd. E., 12 ft. N. and 25 ft. E. from, on top of concrete head wall of culvert; chiseled square | 787.08 |
| Clinton, about 2 mi. N. of city limits, on top of W. concrete head wall of culvert; chiseled square | 759.26 |
| Clinton, 3 mi. N. of, along State Highway 13, 56 ft. E. of entrance to Land School, 54 ft. W. of highway, in concrete post; standard tablet stamped "T T 626 C W A 1934" | 800.274 |
| Crossroad, 25 ft. S. and 30 ft. W. from, in NE. side of transmission-line pole; spike | 793.41 |
| Bridge over branch of Town Creek, on top of E. end of N. abutment; chiseled square | 782.92 |
| T. 42 N., R. 26 W., on line between secs. 14 and 23, 35 ft. S. and 30 ft. E. from crossroad, in NW. side of transmission-line pole; spike | 822.62 |
| Bridge over Town Creek, on top of E. end of N. abutment; chiseled square | 820.80 |
| T. 42 N., R. 26 W., near S. sixteenth cor. between secs. 11 and 12, 15 ft. S. and 18 ft. E. from junction of rd. E., on top of concrete head wall of culvert; chiseled square | 884.40 |
| Top of ridge at fence W., on highway; painted square | 898.7 |
| T. 42 N., R. 26 W., in SW 1/4 sec. 1, 6.3 mi. N. of Clinton, 5 ft. S. and 40 ft. E. from highway at fence E., in concrete post; standard tablet stamped "T T 627 C W A 1934" | 883.098 |
| Culvert, on top of E. concrete head wall; chiseled square | 848.23 |
| T. 43 N., R. 26 W., near N. sixteenth cor. between secs. 35 and 36, 15 ft. S. and 20 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square | 875.60 |
| T. 43 N., R. 26 W., near quarter cor. between secs. 25 and 26, 15 ft. S. and 20 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square | 882.47 |
| T. 43 N., R. 26 W., in sec. 23, 22 ft. N. and 20 ft. E. from highway, on top of head wall of concrete culvert; chiseled square | 929.24 |
| 3. FROM MONTROSE NORTH TO POINT 0.7 MILE NORTHEAST OF URICH (by S. T. Tudor in 1936) | |
| U.S.C. & G.S. standard disk stamped "Q 119 1935" | 815.221 |
| U.S.C. & G.S. standard disk stamped "R 119 1935" | 836.386 |
| T. 40 N., R. 28 W., cor. secs. 11, 12, 13, and 14, 15 ft. N. and 20 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 836.57 |
| Culvert, on top of N. concrete head wall; chiseled square | 826.61 |
| T. 40 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 22 ft. S. and 45 ft. E. from crossroads, in root on SW. side of 15-in. wild-cherry tree; copper nail and washer | 839.25 |
| T-rd. W., 12 ft. N. and 15 ft. E. from, in root on SW. side of elm tree; crossed nails | 811.93 |
| T. 40 N., R. 28 W., cor. secs. 2, 3, 10, and 11, 115 ft. S. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 616 C W A 1934" | 814.297 |
| T-rd. E., 12 ft. N. and 15 ft. E. from, on top of head wall of concrete culvert; chiseled square | 798.54 |
| T-rd. W., 100 ft. N. and 25 ft. W. from, on SE. corner of concrete sidewalk; painted square | 772.96 |
| T. 41 N., R. 28 W., in sec. 34, on top of SE. abutment of bridge over Deepwater Creek; chiseled square | 758.74 |
| Bridge, on top of NW. curb; chiseled square | 756.48 |
| T. 41 N., R. 28 W., near E. sixteenth cor. between secs. 27 and 34, 12 ft. S. and 20 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 755.52 |
| T-rd. E., 25 ft. N. and 10 ft. E. from, on top of head wall of concrete culvert; chiseled square | 790.87 |

(For balance in Urich quadrangle, see line 5.)

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|--|---------|
| Urigh, 0.7 mi. NE. of, near S. cor. secs. 34 and 35, T. 43 N., R. 28 W., 78 ft. S. and 54 ft. W. from T-rd. N., 78 ft. S. and 40 ft. E. from T-rd. S., 30 ft. S. and 24 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 619 C W A 1934" | 742.467 |
|--|---------|

Reference mark, 210 ft. NE. of tablet, on S. head wall of concrete culvert; chiseled square

Foot
746.96

4. FROM URICH QUADRANGLE EAST ALONG STATE HIGHWAY 18 TO CLINTON, THENCE EAST ALONG STATE HIGHWAY 35 INTO CALHOUN QUADRANGLE (by S. T. Tudor in 1936)

| | |
|--|---------|
| T. 41 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 160 ft. S. and 200 ft. W. from crossroad, 12 ft. S. of SW. corner of old barn, in root on E. side of 15-in. maple tree; copper nail and washer | 838.25 |
| Bridge over Camp Branch, on top of S. end of W. abutment; chiseled square | 799.09 |
| Culvert, on top of S. concrete head wall; chiseled square | 805.90 |
| T. 41 N., Rs. 27 and 28 W., cor. secs. 7, 12, 13, and 18, 1 mi. W. of Delmar, 25 ft. S. and 15 ft. E. from junction of rd. N. and hedge fence S., in concrete post; standard tablet stamped "T T 621 C W A 1934" | 814.223 |
| Junction of rd. S., 40 ft. S. and 15 ft. E. from, on top of head wall of concrete culvert; chiseled square | 837.94 |
| Delmar, cor. secs. 7, 8, 17, and 18, T. 41 N., R. 27 W., 45 ft. N. and 90 ft. W. from junction of rd. N., on top of concrete base of gasoline pump; chiseled square | 819.45 |
| Top of hill, 90 ft. N. of highway, in SW. corner of schoolyard, in root on SE. side of 24-in. maple tree; crossed nails | 816.49 |
| Delmar, 1 mi. E. of, cor. secs. 8, 9, 16, and 17, T. 41 N., R. 27 W., 30 ft. S. and 20 ft. E. from crossroad, in N. side of telephone pole; spike | 810.30 |
| Culvert, on top of N. concrete head wall; chiseled square | 792.39 |
| T. 41 N., R. 27 W., cor. secs. 9, 10, 15, and 16, 2 mi. E. of Delmar, 32 ft. S. and 295 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T 622 C W A 1934" | 766.515 |
| T. 41 N., R. 27 W., cor. secs. 10, 11, 14, and 15, 160 ft. S. and 30 ft. W. from crossroad, on top of concrete block in front of church; chiseled square | 773.66 |
| T. 41 N., R. 27 W., cor. secs. 11, 12, 13, and 14, 16 ft. N. and 250 ft. E. from junction of rd. N., on top of head wall of concrete culvert; chiseled square | 753.51 |
| T. 41 N., R. 27 W., quarter cor. between secs. 12 and 13, 30 ft. N. of junction of rd. S., in S. side of telephone pole; spike | 749.22 |
| Clinton, about 1/4 mi. SW. of, 210 ft. S. and 20 ft. W. from bridge over Grand River, in concrete post; standard tablet stamped "T T 623 C W A 1934" | 730.982 |
| Bridge, on top of SE. concrete curb; chiseled square | 720.64 |
| Junction of farm entrance, 30 ft. S. and 45 ft. W. from, in N. side of telephone pole; spike | 716.65 |
| U.S.C. & G.S. standard disk stamped "D 119 1935" | 733.519 |
| Clinton, 2 mi. W. of, 30 ft. N. and 152 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 624 C W A 1934" | 757.954 |
| Clinton, 0.5 mi. W. of city limits, at bridge over Town Creek, on top of E. end of S. curb; chiseled square | 730.64 |
| Clinton, 40 ft. N. and 30 ft. W. from intersection of West Ohio and South Carter Streets, in S. side of telephone pole; spike | 796.87 |
| U.S.C. & G.S. standard disk stamped "F 119 1935" | 784.178 |
| Clinton, at E. limits of, on top of NW. wing wall of bridge over Coal Creek; chiseled square | 745.35 |

(Continued in Calhoun quadrangle; see line 7.)

5. FROM HOLDEN QUADRANGLE AT SEC. 22, T. 43 N., R. 27 W., WEST AND SOUTH TO SEC. 35, T. 43 N., R. 28 W. (by Charles E. Hunter in 1937)

(Continued from Holden quadrangle; see line 6.)

| | |
|---|---------|
| T. 43 N., R. 27 W., near E. quarter cor. sec. 22, 12 ft. S. and 30 ft. W. from T-rds., on center of S. head wall of concrete culvert; chiseled square | 849.07 |
| T. 43 N., R. 27 W., E. sixteenth cor. sec. 21, 8 ft. S. and 125 ft. W. from T-rd. N., on S. head wall of concrete culvert; chiseled square | 805.40 |
| Maurine, NW. of rd. corner W.-N., 4 ft. W. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 764.328 |
| Maurine, 0.5 mi. S. and 0.5 mi. W. from, near quarter cor. between secs. 28 and 29, T. 43 N., R. 27 W., 7 ft. S. of rd., on S. end of E. abutment of bridge; chiseled square | 734.66 |
| T. 43 N., R. 27 W., near W. sixteenth cor. sec. 29, on NE. pier of bridge over Big Creek; top of rivet | 744.62 |
| T. 43 N., R. 27 W., near S. sixteenth cor. sec. 30, on NE. corner of concrete step to school; chiseled square | 783.27 |
| T. 43 N., R. 27 W., near center of SW 1/4 sec. 30, on SE. corner of SE. wing of E. abutment of concrete and wooden bridge; chiseled square | 788.60 |
| T. 43 N., R. 28 W., E. cor. secs. 24 and 25, 37 ft. N. and 37 ft. W. from T-rd. W., 18 ft. N. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 784.416 |
| Reference mark, 100 ft. E. of tablet, in root on E. side of 24-in. elm tree; copper nail and washer | 784.43 |
| T. 43 N., R. 28 W., near SE. cor. sec. 23, 35 ft. N. and 20 ft. W. from crossroads, in root on E. side of 18-in. maple tree; copper nail and washer | 819.85 |
| T. 43 N., R. 28 W., cor. secs. 22, 23, 26, and 27, 27 ft. N. and 56 ft. W. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 620 C W A 1934" | 843.155 |

Reference mark, 10 ft. N. and 90 ft. E. from tablet, in root on W. side of 16-in. hackberry tree; copper nail and washer
 T. 43 N., R. 28 W., cor. secs. 26, 27, 34, and 35, near cemetery, 10 ft. N. of jog in rd., on center of N. head wall of concrete culvert; chiseled square

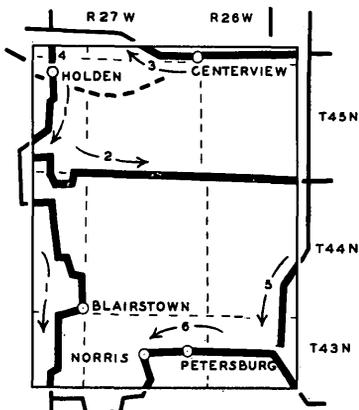
Feet
 845.92

781.94

For additional level lines along Missouri-Kansas-Texas R.R. and St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield; Council Grove, Kans. to Clinton, Mo.; and Clinton to Walker.

HOLDEN QUADRANGLE
 (Latitude $38^{\circ}30' - 38^{\circ}45'$; longitude $93^{\circ}45' - 94^{\circ}00'$)

Henry and Johnson Counties



1. FROM HOLDEN SOUTH BY WAY OF BLAIRSTOWN TO SEC. 14, T. 43 N., R. 38 W. (by Charles E. Hunter in 1937)

Holden, in SW. part of, 96 ft. NW. of NW. wing of public school, 145 ft. SW. of standpipe to water tower, 30 ft. N. and 39 ft. E. from intersection of West Tenth and Olive Streets, in concrete post; U.S.C. & G.S. and State Survey standard tablet 883.106
 Reference mark, 150 ft. N. of tablet, on base of NW. support of water tower; chiseled square 880.62
 Holden, 1 mi. S. of, cor. secs. 14, 15, 22, and 23, T. 45 N., R. 28 W., 50 ft. E. of crossroads, 25 ft. E. of pine tree, in root on W. side of 30-in. maple tree; copper nail and washer 908.89
 Holden, 2 mi. S. of, cor. secs. 22, 23, 26, and 27, T. 45 N., R. 28 W., 50 ft. SE. of T-rd. N., in root on N. side of 6-in. hedge tree; copper nail and washer 905.76

(For balance in Garden City quadrangle, see line 5.)

Medford, 2 mi. S., thence 1 mi. E. from, cor. secs. 2, 3, 10, and 11, T. 44 N., R. 28 W., 60 ft. N. and 60 ft. W. from crossroads, 35 ft. NW. of corner fence post, in top of 18-in. stump surrounded by 6-in. oak trees; copper nail and washer 875.67
 Medford, 3 mi. S. and 1 mi. E. from, 10 ft. E. of wooden bridge, in crotch of 60-in. elm tree; copper nail and washer 781.14
 T. 44 N., R. 28 W., quarter cor. between secs. 22 and 23, 37 ft. N. and 43 ft. E. from T-rd. N., 21 ft. S. 35° W. of SW. corner of Star School No. 4, in concrete post; U.S.C. & G.S. and State Survey standard tablet 821.368
 T. 44 N., R. 28 W., near cor. secs. 23, 24, 25, and 26, 320 ft. N. and 580 ft. E. from rd. corner N.-E., in root on S. side of lone 36-in. black-oak tree; copper nail and washer 775.14
 T-rd. S., 15 ft. S. and 25 ft. E. from, on E. end of S. head wall of concrete culvert; chiseled square 816.99
 T. 44 N., R. 28 W., center sec. 25, 36 ft. S. and 19 ft. W. from rd. at fence E., 14 ft. S. and 6 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet 798.929
 Reference mark, 370 ft. N. of tablet, on E. concrete head wall of culvert; chiseled square 790.94
 Blairstown, at N. limits of, halfway between St. Louis-San Francisco Ry. track and rd. corner N.-W., in root on W. side of 12-in. elm tree; copper nail and washer 755.87
 Blairstown, 75 ft. N. of NE. corner of St. Louis-San Francisco Ry. sta., on SE. corner of concrete head wall of overflow gate of water tank; chiseled square 759.80

| | <u>Feet</u> |
|---|-------------|
| Blairstown, 1.4 mi. SW. of, near quarter cor. between secs. 2 and 35, Tps. 43 and 44 N., R. 28 W., near rd. corner, on E. head wall of concrete culvert; chiseled square | 767.17 |
| T. 43 N., R. 28 W., W. sixteenth cor. between secs. 2 and 11, 155 ft. S. and 53 ft. W. from junction of rd. W., 87 ft. S. of SE. corner of Brusby School, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 779.341 |
| Reference mark, 100 ft. NE. of tablet, on concrete step of school; chiseled square | 785.28 |
| Blairstown, about 3.6 mi. SW. of, near W. sixteenth cor. between secs. 11 and 14, T. 43 N., R. 28 W., SE. of crossroads (?), on E. head wall of concrete culvert; chiseled square | 809.40 |
| Urish, 0.5 mi. E. and 3.2 mi. N. from, in sec. 14 (?), T. 43 N., R. 28 W., 90 ft. N. of rd. corner E.-S., in root on E. side of 10-in. hackberry tree; copper nail and washer | 857.36 |
| 2. FROM GARDEN CITY QUADRANGLE AT SEC. 34, T. 45 N., R. 28 W., EAST INTO WINDSOR QUADRANGLE AT SEC. 35, T. 45 N., R. 26 W. (by Charles E. Hunter in 1937) | |
| T. 44 N., R. 28 W., in NW 1/4 sec. 2, 600 ft. N. of Chicago, Rock Island & Pacific Ry. crossing, 25 ft. E. of crossroads, S. of rd., on concrete base of fence post; chiseled square | 871.17 |
| T. 44 N., R. 28 W., in NE 1/4 sec. 2, 0.2 mi. W. of T-rd. N., on E. end of N. head wall of concrete bridge; chiseled square | 798.33 |
| T. 44 N., R. 28 W., about 600 ft. S. of N. cor. secs. 1 and 2, 25 ft. N. and 30 ft. E. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "236" | 830.377 |
| T. 44 N., R. 27 W., 30 ft. S. and 30 ft. E. from NW. cor. sec. 6, on concrete base of corner fence post; chiseled square | 868.86 |
| T. 44 N., R. 27 W., N. cor. secs. 5 and 6, 30 ft. S. and 20 ft. W. from T-rd. S., on W. head wall of concrete culvert; chiseled square | 897.67 |
| Magnolia, 0.5 mi. N. of, cor. secs. 4 and 5, T. 44 N., R. 27 W., 30 ft. S. and 31 ft. E. from T-rd. S., in concrete post; standard tablet stamped "237" | 842.992 |
| Reference mark, 220 ft. E. of tablet, on N. concrete head wall of bridge; chiseled square | 841.00 |
| T. 44 N., R. 27 W., N. cor. secs. 3 and 4, 30 ft. S. and 150 ft. W. from T-rd. S., in root on N. side of 30-in. maple tree; copper nail and washer | 865.00 |
| T. 44 N., R. 27 W., N. cor. secs. 2 and 3, 20 ft. S. and 15 ft. E. from T-rd. S., at fence corner, in 10-in. post; copper nail and washer | 831.60 |
| T. 45 N., R. 27 W., S. cor. secs. 35 and 36, 30 ft. N. and 120 ft. E. from, near cemetery and foundation of destroyed church, in root on S. side of 12-in. elm tree; copper nail and washer | 833.47 |
| T. 45 N., R. 26 and 27 W., S. cor. secs. 31 and 36, 30 ft. S. and 78 ft. W. from T-rd. N., 30 ft. S. and 212 ft. E. from rd. at fence S., in concrete post; standard tablet stamped "238" | 834.195 |
| T. 45 N., R. 26 W., in SE 1/4 sec. 31, 0.3 mi. W. of T-rd. S., in front yard of property of Edna Howard, in S. side of 20-in. maple tree; copper nail and washer | 838.33 |
| T. 44 N., R. 26 W., about 500 ft. E. of N. quarter cor. sec. 5, on protruding I beam at W. end of S. side of bridge; (mark not described) | 760.90 |
| T. 44 N., R. 26 W., 400 ft. E. of N. quarter cor. sec. 4, on W. end of S. head wall of concrete culvert; chiseled square | 807.10 |
| T. 45 N., R. 26 W., S. cor. secs. 33 and 34, 23 ft. S. and 30 ft. W. from, 60 ft. N. and 35 ft. W. from NW. corner of dwelling of George M. Granger, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "239" | 865.422 |
| T. 44 N., R. 26 W., N. quarter cor. sec. 3 (?), 45 ft. S. and 25 ft. E. from T-rd. S., in root on NE. side of 20-in. hackberry tree; copper nail and washer | 826.44 |
| T. 44 N., R. 26 W., N. quarter cor. sec. 3 (?), 30 ft. S. and 20 ft. E. from T-rd. S., in top of fence post; copper nail and washer | 857.46 |
| T. 45 N., R. 26 W., about 0.2 mi. W. of S. cor. secs. 35 and 36, on W. end of N. head wall of concrete culvert; chiseled square | 840.37 |
| Cornelia, 0.8 mi. W. of, S. cor. secs. 35 and 36, T. 45 N., R. 26 W., 90 ft. S. and 600 ft. W. from T-rd. N., in root on W. side of 22-in. black-oak tree; copper nail and washer | 870.86 |

(Continued in Windsor quadrangle; see line 3.)

3. FROM WINDSOR QUADRANGLE AT SEC. 26, T. 46 N., R. 26 W., WEST INTO ODESSA QUADRANGLE AT SEC. 27, T. 46 N., R. 27 W.
(by R. W. Mattox in 1936)

| | |
|---|---------|
| T. 46 N., R. 26 W., cor. secs. 26, 27, 34, and 35, 20 ft. N. and 25 ft. E. from crossroads, 5 ft. E. of fence corner; iron post stamped "Prim Trav Sta No 13 1914 Mo" | 763.341 |
| Reference mark, 40 ft. S. and 40 ft. W. from post, in root on N. side of 30-in. locust tree; copper nail and washer | 762.51 |
| T. 46 N., R. 26 W., near cor. secs. 27, 28, 33, and 34, 20 ft. N. and 360 ft. W. from center of bridge, in root on S. side of 12-in. wild-cherry tree; copper nail and washer | 716.48 |
| T. 46 N., R. 26 W., cor. secs. 28, 29, 32, and 33, 40 ft. S. and 300 ft. W. from crossroads, 20 ft. N. and 15 ft. W. from dwelling on property of F. W. Robinson, in root on N. side of 20-in. elm tree; copper nail and washer | 765.50 |

| | |
|---|------------------------|
| T. 46 N., R. 26 W., cor. secs. 29, 30, 31, and 32, 30 ft. N. and 30 ft. E. from crossroads, in corner of field, in concrete post; standard tablet stamped "5 M 1936" | <u>Feet</u> 816.023 |
| Reference mark, 40 ft. S. and 50 ft. W. from tablet, on S. head wall of culvert; chiseled square | 814.91 |
| T. 46 N., R. 27 W., E. cor. secs. 25 and 36, 535 ft. W. of crossroads, on head wall of concrete culvert; chiseled square | 810.13 |
| Centerview, at N. end of Main Street, at SW. corner of cemetery, on concrete base of corner fence post; chiseled square | 825.11 |
| T. 46 N., R. 27 W., cor. secs. 25, 26, 35, and 36, 205 ft. N. and 20 ft. E. from corner stone, in root on S. side of 60-in. cottonwood tree; copper nail and washer | 862.14 |
| T. 46 N., R. 27 W., cor. secs. 26, 27, 34, and 35, 30 ft. S. and 400 ft. W. from, 10 ft. S. of fence, in root on N. side of 12-in. maple tree; copper nail and washer | 895.47 |

(Continued in Odessa quadrangle; see line 3.)

4. FROM ODESSA QUADRANGLE SOUTH ALONG STATE HIGHWAY 131 TO HOLDEN
(by R. W. Mattox in 1936)
(Continued from Odessa quadrangle; see line 3.)

| | |
|--|--------|
| Tps. 45 and 46 N., R. 28 W., cor. secs. 2, 3, 34, and 35, 150 ft. S. and 40 ft. W. from crossroad, in root on E. side of 12-in. hedge tree; copper nail and washer | 797.39 |
| Holden, at N. limits of, 20 ft. W. of highway, in root on W. side of 14-in. mulberry tree; crossed nails | 836.05 |
| Holden, at NW. corner of junction of State Highway 58, on top of concrete curb; chiseled square | 840.02 |

5. FROM WINDSOR QUADRANGLE SOUTH ALONG STATE HIGHWAY 13 TO SEC. 14,
T. 43 N., R. 26 W. (by R. W. Mattox in 1936)
(Continued from Windsor quadrangle; see line 5.)

| | |
|---|---------|
| T. 44 N., R. 26 W., in SE 1/4 sec. 26, on Henry-Johnson county line, 20 ft. N. and 40 ft. E. from crossroad, on N. head wall of culvert; chiseled square | 983.66 |
| T. 43 N., R. 26 W., in NW 1/4 sec. 2, 20 ft. S. and 45 ft. W. from crossroad, in corner of field, in concrete post; standard tablet stamped "14 M 1936" | 911.666 |
| Junction of rd. E., on N. head wall of concrete culvert; chiseled square | 931.52 |
| T. 43 N., R. 26 W., quarter cor. between secs. 2 and 11, 30 ft. N. and 20 ft. W. from junction of rd. W., on W. head wall of concrete culvert; chiseled square | 927.25 |
| Shawnee Mound, S. of, 30 ft. S. and 20 ft. W. from crossroad, on W. head wall of concrete culvert; chiseled square | 927.13 |
| T. 43 N., R. 26 W., quarter cor. between secs. 11 and 14, 30 ft. S. and 45 ft. W. from crossroad, on W. head wall of concrete culvert; chiseled square | 932.22 |
| T. 43 N., R. 26 W., E. sixteenth cor. between secs. 14 and 23, 25 ft. N. and 245 ft. W. from, 55 ft. NE. of highway, 5 ft. NE. of right-of-way fence, in concrete post; standard tablet stamped "2124 C W A 1934" | 971.242 |
| Reference mark, 400 ft. N. of tablet, on E. head wall of culvert; chiseled square | 965.59 |

6. FROM CLINTON QUADRANGLE AT SEC. 24, T. 43 N., R. 26 W., WEST
BY WAY OF PETERSBURG AND NORRIS INTO CLINTON QUADRANGLE AT
SEC. 22, T. 43 N., R. 27 W. (by Charles E. Hunter in 1937)
(Continued from Calhoun quadrangle; see line 1.)

| | |
|--|---------|
| Petersburg, 3.5 mi. E. of, 1 mi. W. of State Highway 13, quarter cor. between secs. 10 and 15, T. 43 N., R. 26 W., 30 ft. N. of E.-W. rd., in corner fence post; spike | 913.13 |
| Petersburg, about 1.6 mi. E. of, on line between secs. 8 and 17, T. 43 N., R. 26 W., about 0.4 mi. W. of T-rd. S., 250 ft. E. of concrete bridge over small creek, 42 ft. N. of rd., 12 ft. N. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 793.416 |
| Reference mark, 300 ft. W. of tablet, on E. end of N. parapet wall of concrete culvert; chiseled square | 796.80 |
| Petersburg, 1 mi. E. of, 530 ft. W. of cor. secs. 7, 8, 17, and 18, T. 43 N., R. 26 W., on E. head wall of concrete culvert; chiseled square | 783.78 |
| Petersburg, 0.5 mi. W. of, 760 ft. W. of quarter cor. between secs. 12 and 13, T. 43 N., R. 27 W., on NE. wing wall of bridge over Honey Creek; chiseled square | 775.13 |
| Petersburg, 1 mi. W. of, cor. secs. 11, 12, 13, and 14, T. 43 N., R. 27 W., 35 ft. N. and 35 ft. W. from crossroads, 7 ft. NW. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 831.771 |
| Petersburg, 2 mi. W. of, near cor. secs. 10, 11, 14, and 15, T. 43 N., R. 27 W., 12 ft. E. of SE. corner of yard of E. G. Butcher, 40 ft. N. of rd., in root on S. side of 18-in. maple tree; copper nail and washer | 886.08 |
| Norris, W. sixteenth cor. between secs. 10 and 15, T. 43 N., R. 27 W., 30 ft. N. and 100 ft. E. from crossroads, in root of 24-in. maple tree; copper nail and washer | 858.62 |

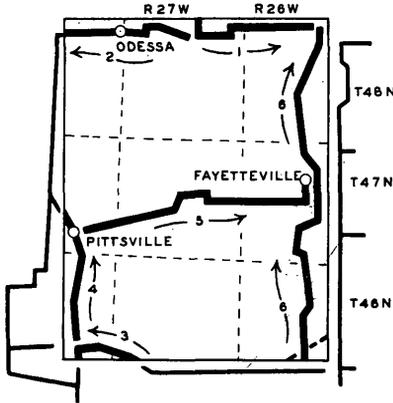
Norris, about 0.8 mi. SE. of, center sec. 15, T. 43 N., R. 27 W., 39 ft. S. and 28 ft. W. from T-rd. S., 19 ft. S. and 7 ft. W. from right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet
 Reference mark, 150 ft. SE. of tablet, in root of 24-in. box-elder tree; copper nail and washer

Feet
 853.169
 853.69

(Continued in Clinton quadrangle; see line 5.)

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill.

ODESSA QUADRANGLE
 (Latitude 38°45' - 39°00'; longitude 93°45' - 94°00')
 Johnson and Lafayette Counties



1. FROM LEXINGTON QUADRANGLE AT SEC. 3, T. 48 N., R. 27 W., EAST TO SEC. 2, T. 48 N., R. 26 W. (by C. W. Williams in 1936)
 (Continued from Lexington quadrangle; see line 5.)

- T. 48 N., R. 27 W., N. sixteenth cor. between secs. 3 and 4, 22 ft. N. and 21 ft. E. from T-rd. W., in NW. side of brace pole near ground; spike 845.09
- T. 48 N., R. 27 W., in W 1/2 sec. 3, 195 ft. N. of T-rd. E., on E. head wall of concrete culvert; chiseled square 860.76
- T. 48 N., R. 27 W., in E 1/2 sec. 3, 15 ft. N. of T-rd. S., 3 ft. S. of water-oak tree in fence line; iron post stamped "Prim Trav Sta No 21 1914 Mo" 835.489
- Bridge over drain, in root on NE. side of 20-in. elm tree; crossed nails 792.25
- T. 48 N., R. 27 W., near quarter cor. between secs. 1 and 2, 42 ft. S. and 25 ft. E. from T-rd. S., in NW. side of telephone pole; spike 841.62
- T. 48 N., R. 27 W., in NW 1/4 sec. 1, at T-rd. E., in root on S. side of triple elm tree; crossed nails 823.18
- Top of ridge, near dwelling, S. of rd., in root on NE. side of 22-in. maple tree; crossed nails 866.74
- T. 48 N., R. 27 W., in NE 1/4 sec. 1, at dim T-rd. W., in W. side of telephone pole; spike 805.16
- Tps. 48 and 49 N., Rs. 26 and 27 W., cor. of, 18 ft. S. and 66 ft. E. from T-rd. E., on S. head wall of concrete culvert; chiseled square 800.92
- Culvert, on S. head wall; chiseled square 812.37
- T. 48 N., R. 26 W., N. cor. secs. 5 and 6, 24 ft. N. of T-rd. S., in concrete post; standard tablet stamped "1 W 1936" 856.954
- T. 49 N., R. 26 W., in SW 1/4 sec. 32, at T-rd. N., on E. concrete head wall of culvert; chiseled square 827.10
- T. 48 N., R. 26 W., E. sixteenth cor. on N. line sec. 5, 15 ft. N. and 376 ft. W. from T-rd. S., on S. head wall of concrete culvert; chiseled square 825.66
- T. 49 N., R. 26 W., W. sixteenth cor. on S. line sec. 33, 10 ft. S. and 22 ft. E. from T-rd. N., on S. head wall of concrete culvert; chiseled square 793.30
- Wooden bridge, S. of rd., in root on N. side of 16-in. elm tree; crossed nails 765.86
- T. 48 N., R. 26 W., N. cor. secs. 3 and 4, 17 ft. N. and 105 ft. W. from T-rd. S., in root on E. side of 14-in. walnut tree; copper nail and washer 801.25
- Tps. 48 and 49 N., R. 26 W., quarter cor. between secs. 3 and 34, at crossroads, in root on N. side of 26-in. hedge tree; crossed nails 839.16
- T. 48 N., R. 26 W., N. cor. secs. 2 and 3, 25 ft. N. and 11 ft. E. from T-rd. S.; iron post 824.906
- Reference mark, 22 ft. N. and 58 ft. E. from T-rd. S., in root on W. side of twin locust tree; copper nail and washer 822.70

2. FROM SEC. 3, T. 48 N., R. 27 W., WEST INTO LONEJACK QUADRANGLE AT SEC. 4, T. 48 N., R. 28 W. (by C. W. Williams in 1936)

| | <u>Feet</u> |
|--|-------------|
| T-rd. S., in telephone pole near ground; spike | 875.89 |
| T. 48 N., R. 27 W., in sec. 4, 16 ft. N. and 128 ft. E. from T-rd. S., in S. side of telephone pole; spike | 855.79 |
| Culvert over creek, on N. head wall; chiseled square | 826.66 |
| T. 48 N., R. 27 W., N. sixteenth cor. between secs. 5 and 6, 26 ft. N. and 28 ft. E. from T-rd. S., in concrete post; standard tablet stamped "2 W 1936" | 896.546 |
| T. 48 N., R. 27 W., S. sixteenth cor. between secs. 5 and 6, 12 ft. N. and 20 ft. W. from T-rd. W., on N. concrete head wall of culvert; chiseled square | 858.39 |
| T. 48 N., R. 27 W., S. sixteenth cor. on W. line sec. 6, at jog in rd., on concrete head wall of culvert; chiseled square | 869.83 |
| Odessa, at S. limits of, 20 ft. S. and 46 ft. W. from County Route K (now State Highway 131) at rd. junction, in N. side of transmission-line pole; spike | 932.16 |
| Odessa, at SW. corner of, near E. sixteenth cor. sec. 2, T. 48 N., R. 28 W., 20 ft. S. and 25 ft. E. from T-rd. S., in concrete post; standard tablet stamped "3 W 1936" | 902.549 |
| T. 48 N., R. 28 W., in sec. 3, 15 ft. N. and 158 ft. E. from NE. corner of barn, 20 ft. S. of rd., in root on S. side of twin elm tree; copper nail and washer | 845.60 |
| T. 48 N., R. 28 W., quarter cor. between secs. 3 and 4, 25 ft. N. and 10 ft. E. from T-rd. N., on E. concrete head wall of culvert; chiseled square | 851.28 |
| T. 48 N., R. 28 W., in sec. 4, at T-rd. S., in telephone pole; spike | 855.09 |

(Continued in Lonejack quadrangle; see line 11.)

3. FROM HOLDEN QUADRANGLE AT SEC. 27, T. 46 N., R. 27 W., WEST TO SEC. 34, T. 46 N., R. 28 W., THENCE SOUTH ALONG STATE HIGHWAY 131 INTO HOLDEN QUADRANGLE (by R. W. Mattox in 1936)

| | |
|---|---------|
| T. 46 N., R. 27 W., on line between secs. 27 and 34, at rd. corner S.-W. produced, 20 ft. N. of rd. E., 4 ft. N. and 2 ft. W. from fence corner; iron post stamped "Prim Trav Sta No 12 1914 Mo" | 857.277 |
| Reference mark, 10 ft. N. and 120 ft. W. from post, on top of N. head wall of concrete culvert; chiseled square | 853.49 |
| T. 46 N., R. 27 W., in SE 1/4 sec. 28, at T-rd. N., on N. head wall of concrete culvert; chiseled square | 831.42 |
| T. 46 N., R. 27 W., W. sixteenth cor. between secs. 28 and 33, 30 ft. S. and 20 ft. W. from dwelling on property of Sam McCarty, 20 ft. N. of E.-W. rd., in root on S. side of 24-in. maple tree; copper nail and washer | 831.34 |
| T. 46 N., R. 27 W., quarter cor. between secs. 29 and 32, 20 ft. N. and 220 ft. E. from T-rd. E., 85 ft. N. and 105 ft. E. from NE. corner of Round Grove School, 12 ft. N. of rd., in root on S. side of 14-in. elm tree; copper nail and washer | 819.08 |
| T. 46 N., R. 27 W., E. sixteenth cor. between secs. 30 and 31, 25 ft. N. and 25 ft. W. from T-rd. W., in concrete post; standard tablet stamped "6 M 1936" | 821.257 |
| Reference mark, 80 ft. S. and 30 ft. E. from tablet, on top of E. head wall of concrete culvert; chiseled square | 823.15 |
| T. 46 N., R. 28 W., S. sixteenth cor. on E. line sec. 25, 50 ft. S. and 20 ft. W. from T-rd. S., in root on W. side of 10-in. cherry tree; copper nail and washer | 840.35 |
| T-rd. N., 30 ft. E. of, on N. head wall of concrete culvert; chiseled square | 821.80 |
| T. 46 N., R. 28 W., S. sixteenth cor. between secs. 25 and 26, 60 ft. W. of T-rd. W., on top of N. head wall of concrete culvert; chiseled square | 765.69 |
| Crossroads, 35 ft. S. and 80 ft. E. from, in root on N. side of 20-in. hickory tree; copper nail and washer | 782.29 |
| T. 46 N., R. 28 W., in S 1/2 sec. 26, NE. of rd. junction, on concrete base of corner fence post; chiseled square | 840.21 |
| T. 46 N., R. 28 W., N. sixteenth cor. between secs. 34 and 35, 45 ft. N. and 25 ft. E. from T-rd. W. and lane E., 5 ft. E. of fence corner, inside fence; iron post stamped "Prim Trav Sta No 11 1914 Mo" | 827.048 |
| Reference mark, 270 ft. S. and 40 ft. W. from post, in root on N. side of 10-in. catalpa tree; copper nail and washer | 814.94 |

(Continued in Holden quadrangle; see line 4.)

4. FROM SEC. 34, T. 46 N., R. 28 W., NORTH ALONG STATE HIGHWAY 131 TO POINT 1.5 MILES NORTH OF PITTSVILLE, THENCE WEST ALONG ROAD INTO LONEJACK QUADRANGLE AT SEC. 15, T. 47 N., R. 28 W. (by R. W. Mattox in 1936)

| | |
|--|--------|
| T. 46 N., R. 28 W., in sec. 26, NE. of rd. junction, on concrete base of corner fence post; chiseled square | 840.20 |
| Bridge over Blackwater Creek, in top of W. pile of N. bent; nails | 764.33 |
| T. 46 N., R. 28 W., on line between secs. 22 and 23, 50 ft. N. and 40 ft. W. from crossroad, in root on E. side of 12-in. elm tree; copper nail and washer | 781.74 |
| Junction of rd. S. and lane E., 20 ft. N. and 35 ft. W. from, in root on E. side of 24-in. hedge stump; nails | 833.76 |

| | <u>Feet</u> |
|---|-------------|
| T. 46 N., R. 28 W., center of SE 1/4 sec. 15, on County Route A (now State Highway 131), 35 ft. S. and 40 ft. E. from junction of rd. E., in corner of field, in concrete post; standard tablet stamped "10 M 1936" | 858.637 |
| Reference mark, 100 ft. N. and 80 ft. W. from, in root on E. side of 10-in. mulberry tree; copper nail and washer | 852.86 |
| Crossroad, 500 ft. N. of, on E. head wall of concrete culvert; chiseled square | 853.04 |
| T. 46 N., R. 28 W., in E 1/2 sec. 3, 15 ft. N. and 20 ft. W. from junction of rd. E., on top of W. head wall of concrete culvert; chiseled square | 820.11 |
| T. 47 N., R. 28 W., center of SE 1/4 sec. 34, 100 ft. N. and 50 ft. W. from junction of rd. W., 20 ft. N. and 20 ft. E. from dwelling, in NE. corner of yard, in concrete post; standard tablet stamped "9 M 1936" | 872.745 |
| Reference mark, 150 ft. N. and 50 ft. E. from tablet, on top of E. head wall of concrete culvert; chiseled square | 869.66 |
| Junction of rd. W., 100 ft. S. and 30 ft. E. from, 25 ft. S. and 50 ft. W. from dwelling, at SW. corner of yard, in top of 20-in. stump; nails | 876.96 |
| Pittsville, in front of general store and post office, in W. end of concrete step; standard tablet stamped "16 M 1936" | 858.181 |
| Reference mark, 30 ft. S. and 50 ft. E. from junction of U.S. Highway 50, 3 ft. W. of island, on concrete block; chiseled square | 857.27 |
| T. 47 N., R. 28 W., E. sixteenth cor. between secs. 15 and 22, 20 ft. N. of T-rd. S., in top of 12-in. hedge post; copper nail and washer | 898.59 |
| T. 47 N., R. 28 W., W. sixteenth cor. between secs. 15 and 22, 23 ft. S. of T-rd. N., 5 ft. S. of hedge row; iron post stamped "Prim Trav Sta No 23 1914 Mo" | 917.475 |
| Reference mark, 60 ft. N. and 70 ft. W. from post, in root on S. side of 24-in. hedge tree; copper nail and washer | 912.30 |
| T-rd. S., 75 ft. E. of, on top of N. head wall of culvert; chiseled square | 900.54 |

(Continued in Lonejack quadrangle; see line 9.)

5. FROM PITTSVILLE EAST TO FAYETTEVILLE (by R. W. Mattox in 1936)

| | |
|--|---------|
| U.S. Highway 50 at rd. N., on E. head wall of culvert; chiseled square | 861.48 |
| T. 47 N., R. 28 W., quarter cor. between secs. 25 and 26, on U.S. Highway 50, 40 ft. N. and 20 ft. W. from crossroad, on top of W. head wall of concrete culvert; chiseled square | 866.86 |
| T-rd. S., 20 ft. S. and 70 ft. W. from, in root on E. side of 20-in. walnut tree; nails | 883.15 |
| T. 47 N., R. 27 W., near quarter cor. between secs. 19 and 30, at farm lane, 15 ft. S. of rd., in root on N. side of 30-in. elm tree; copper nail and washer | 887.58 |
| T. 47 N., R. 27 W., cor. secs. 19, 20, 29, and 30, 60 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet | 806.202 |
| Reference mark, 50 ft. N. and 50 ft. E. from tablet, in root on W. side of 20-in. walnut tree; copper nail and washer | 802.35 |
| T. 47 N., R. 27 W., E. sixteenth cor. between secs. 20 and 29, 350 ft. S. of T-rd. S., in root on N. side of 20-in. elm tree; copper nail and washer | 751.14 |
| T. 47 N., R. 27 W., near cor. secs. 21, 22, 27, and 28, 60 ft. E. of T-rd. W., 30 ft. S. and 90 ft. E. from SE. corner of store building, in root on W. side of 24-in. locust tree; copper nail and washer | 848.32 |
| T. 47 N., R. 27 W., cor. secs. 15, 16, 21, and 22, 120 ft. E. of T-rd. E., on top of N. head wall of concrete culvert; chiseled square | 832.84 |
| T. 47 N., R. 27 W., cor. secs. 14, 15, 22, and 23, 20 ft. S. and 10 ft. W. from T-rd. N., in N. side of gatepost; copper nail and washer | 860.25 |
| T. 47 N., R. 27 W., quarter cor. between secs. 14 and 23, 20 ft. S. and 20 ft. E. from crossroads, 2 ft. N. and 6 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 24 1914 Mo" | 834.489 |
| Reference mark, 50 ft. N. and 300 ft. E. from post, in root on W. side of 24-in. cherry tree; copper nail and washer | 829.81 |
| T. 47 N., R. 27 W., W. sixteenth cor. between secs. 13 and 24, 10 ft. S. and 15 ft. E. from bridge, S. of rd., in offset on N. side of 16-in. walnut tree; copper nail and washer | 752.82 |
| T. 47 N., R. 26 W., W. cor. secs. 18 and 19, 25 ft. S. and 12 ft. W. from T-rd. E., in root on SE. side of 12-in. hickory tree; copper nail and washer | 797.36 |
| T. 47 N., R. 26 W., cor. secs. 17, 18, 19, and 20, 200 ft. S. and 20 ft. W. from T-rd. S., in root on N. side of 12-in. hedge tree; copper nail and washer | 846.52 |
| T. 47 N., R. 26 W., cor. secs. 16, 17, 20, and 21, 20 ft. S. and 2 ft. E. from corner stone, 2 ft. E. of fence, in concrete post; standard tablet stamped "7 M 1936" | 847.743 |
| Reference mark, 20 ft. S. and 120 ft. W. from crossroad, in root on NE. side of 12-in. elm tree; copper nail and washer | 826.40 |
| T. 47 N., R. 26 W., cor. secs. 15, 16, 21, and 22, 30 ft. E. of T-rd. S., on SW. wing of steel bridge; chiseled square | 746.30 |
| T. 47 N., R. 26 W., near E. sixteenth cor. between secs. 15 and 22, on SE. wing of bridge; chiseled square | 753.23 |
| T. 47 N., R. 26 W., W. sixteenth cor. between secs. 14 and 23, 50 ft. S. and 20 ft. E. from crossroads, in 24-in. stump; copper nail and washer | 840.25 |
| T-rd. W., 500 ft. N. and 30 ft. W. from, in root on E. side of 12-in. elm tree; nails | 816.86 |
| T. 47 N., R. 26 W., W. sixteenth cor. between secs. 11 and 14, 35 ft. N. of T-rd. W., in root on SE. side of 12-in. cherry tree; copper nail and washer | 843.51 |
| Fayetteville, opposite church, 295 ft. N. of main crossroads, 25 ft. E. of rd., 6 ft. W. of picket fence, 8 ft. S. of telephone pole; iron post stamped "Prim Trav Sta No 20 1914 Mo" | 853.934 |

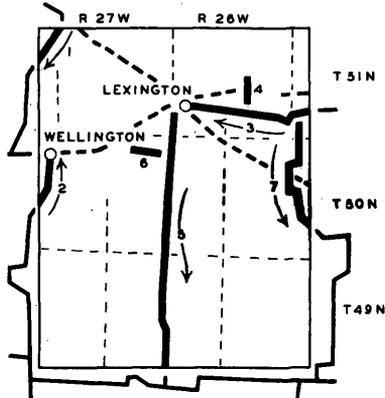
6. FROM MISSOURI PACIFIC R.R. STATION AT WARRENSBURG NORTH TO SEC. 2, T. 48 N., R. 26 W. (by R. W. Mattox in 1936)

| | <u>Feet</u> |
|--|-------------|
| Warrensburg, Missouri Pacific R.R. at crossing of Holden Street, in front of sta., on concrete footing of E. support of watchman's tower; chiseled square | 830.90 |
| T. 46 N., R. 26 W., in NE 1/4 sec. 27, 100 ft. S. and 20 ft. E. from bridge over Post Oak Creek, in root on N. side of 16-in. walnut tree; copper nail and washer | 712.77 |
| T. 46 N., R. 26 W., E. sixteenth cor. sec. 22, 200 ft. N. and 100 ft. W. from T-rd. NW., on SE. wing of bridge over Post Oak Creek; chiseled square | 712.02 |
| T. 46 N., R. 26 W., on line between secs. 15 and 22, on U.S. Highway 50, 33 ft. S. and 30 ft. W. from junction of rd. N. at crossroad, inside field, in concrete post; standard tablet stamped "15 M 1936" | 714.176 |
| Reference mark, 90 ft. N. and 20 ft. E. from tablet, at rd. N., on top of W. head wall of concrete culvert; chiseled square | 713.93 |
| T. 46 N., R. 26 W., E. sixteenth cor. between secs. 10 and 15, 255 ft. N. of crossroads, 20 ft. W. of rd., in root on E. side of 16-in. hackberry tree; copper nail and washer | 717.90 |
| T. 46 N., R. 26 W., about 0.2 mi. E. of quarter cor. between secs. 3 and 10, 150 ft. S. of fence, 25 ft. S. and 20 ft. E. from SW. corner of dwelling, 25 ft. W. of rd., in root on E. side of 20-in. oak tree; copper nail and washer | 714.25 |
| Tps. 46 and 47 N., R. 26 W., quarter cor. between secs. 3 and 34, 25 ft. N. of T-rd. S., in E.-W. fence line, in concrete post; standard tablet stamped "18 M 1930" | 735.192 |
| Reference mark, 36 ft. S. and 45 ft. W. from tablet, in root on N. side of 24-in. elm tree; copper nail and washer | 741.22 |
| Tps. 46 and 47 N., R. 26 W., cor. secs. 3, 4, 33, and 34, 30 ft. N. and 70 ft. W. from T-rd. N., in root on N. side of 14-in. hedge tree; copper nail and washer | 724.77 |
| T. 47 N., R. 26 W., quarter cor. between secs. 33 and 34, 12 ft. N. and 110 ft. W. from NW. corner of Pleasant View School, 50 ft. S. and 25 ft. E. from crossroads, in root on W. side of 8-in. hedge tree; copper nail and washer | 785.30 |
| Rd. corner E.-N., 20 ft. S. and 20 ft. W. from, in root on NE. side of 16-in. maple tree; nails | 777.72 |
| T. 47 N., R. 26 W., W. sixteenth cor. sec. 27, 260 ft. W. of T-rd. N., on NW. wing of bridge; chiseled square | 724.68 |
| T. 47 N., R. 26 W., in E 1/2 sec. 27, 20 ft. S. and 30 ft. W. from T-rd. S., in root on N. side of 4-in. hackberry tree; copper nail and washer | 755.70 |
| T. 47 N., R. 26 W., in NW 1/4 sec. 26, 35 ft. N. and 25 ft. W. from T-rd. N., inside fence, in concrete post; standard tablet stamped "19 M 1936" | 798.771 |
| Crossroad, 25 ft. S. and 30 ft. E. from, in root on W. side of 24-in. oak tree; nails | 839.29 |
| T. 47 N., R. 26 W., in SW 1/4 sec. 3, 140 ft. S. and 40 ft. W. from T-rd. N., in root on E. side of 12-in. walnut tree; copper nail and washer | 858.87 |
| T. 48 N., R. 26 W., center sec. 34, 20 ft. S. and 500 ft. W. from T-rd. S., in root on W. side of 12-in. elm tree; copper nail and washer | 848.44 |
| T. 48 N., R. 26 W., E. sixteenth cor. between secs. 28 and 33, 25 ft. S. and 20 ft. W. from T-rd. N., 2 ft. inside fence, in concrete post; standard tablet stamped "20 M 1936" | 811.978 |
| T. 48 N., R. 26 W., quarter cor. between secs. 27 and 28, 20 ft. N. and 20 ft. W. from T-rd. N., in E. side of 12-in. hedge post; copper nail and washer | 837.08 |
| T. 48 N., R. 26 W., cor. secs. 21, 22, 27, and 28, 120 ft. N. of fence on county line, on top of W. head wall of concrete culvert; chiseled square | 780.48 |
| T. 48 N., R. 26 W., quarter cor. between secs. 15 and 22, 100 ft. N. and 40 ft. E. from T-rd. N., in root on W. side of 10-in. oak tree; copper nail and washer | 796.26 |
| T-rd. N., 20 ft. N. and 20 ft. W. from, on top of W. head wall of concrete culvert; chiseled square | 755.69 |
| T. 48 N., R. 26 W., N. sixteenth cor. between secs. 14 and 15, 30 ft. S. and 90 ft. W. from crossroads, 90 ft. N. and 50 ft. E. from dwelling on property of J. Clarkson, in concrete post; standard tablet stamped "21 M 1936" | 789.218 |
| Reference mark, 70 ft. N. of post, on S. side of concrete well curb; chiseled square | 787.83 |
| T. 48 N., R. 26 W., 500 ft. S. of cor. secs. 2, 3, 10, and 11, 50 ft. E. of rd., 30 ft. N. of gate to pasture, in root on W. side of 14-in. hickory tree; copper nail and washer | 751.11 |
| T-rd. E., 275 ft. S. and 40 ft. E. from, in root on W. side of 10-in. cedar tree; nails | 814.34 |

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill.

LEXINGTON QUADRANGLE
(Latitude 39°00'–39°15'; longitude 93°45'–94°00')

Carroll, Lafayette, and Ray Counties



1. FROM RICHMOND QUADRANGLE AT SEC. 12, T. 51 N., R. 28 W.,
SOUTHWEST INTO ORRICK QUADRANGLE AT SEC. 14, T. 51 N.,
R. 28 W. (by L. V. Johnson in 1932)
(Continued from Richmond quadrangle; see line 3.)

| | |
|--|----------------|
| T. 51 N., R. 28 W., about 1,000 ft. S. of quarter cor. between secs. 1 and 12, 500 ft. S. of rd. corner, at NW. corner of concrete bridge over Willow Creek, on wing wall; chiseled square | Feet 722.62 |
| T. 51 N., R. 28 W., cor. secs. 11, 12, 13, and 14, 600 ft. S. of T-rd. S., W. of rd., on N. end of concrete head wall of culvert over drain; chiseled square | 778.01 |

(Continued in Orrick quadrangle; see line 2.)

2. FROM ORRICK QUADRANGLE AT SEC. 28, T. 50 N., R. 28 W.,
NORTHEAST TO WELLINGTON (by L. V. Johnson in 1932)
(Continued from Orrick quadrangle; see line 5.)

| | |
|---|---------|
| T. 50 N., R. 28 W., near center of SE 1/4 sec. 28, 10 ft. W. of rd., on concrete head wall of culvert; chiseled square | 750.21 |
| T. 50 N., R. 28 W., near center of SE 1/4 sec. 21, 320 ft. N. of crossroads, 10 ft. W. of rd., in root on E. side of giant elm tree; copper nail and washer | 804.94 |
| Wellington, 0.7 mi. W. of, 0.3 mi. W. of cor. secs. 15, 16, 21, and 22, T. 50 N., R. 28 W., 500 ft. W. of T-rd. S., 15 ft. S. of U.S. Highway 24, in concrete head wall of culvert; standard tablet stamped "22 J 1932" | 758.040 |
| Reference mark, 50 ft. NE. of tablet, on N. head wall of concrete culvert; chiseled square | 756.53 |

3. FROM HIGGINSVILLE QUADRANGLE WEST ALONG U.S. HIGHWAY 24 TO
LEXINGTON (by G. W. Williams in 1936)
(Continued from Higginsville quadrangle; see line 3.)

| | |
|---|---------|
| T. 51 N., R. 26 W., in SE 1/4 sec. 27, 20 ft. N. and 30 ft. W. from N.-S. crossroad, on top of W. concrete head wall of culvert; chiseled square | 713.89 |
| T. 51 N., R. 26 W., in NW 1/4 NW 1/4 sec. 34, 57 ft. S. and 4 1/4 ft. W. from Slusher School, 51 ft. N. and 30 ft. E. from junction of rd. N., 22 ft. N. and 60 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "1005 C W A 1934" | 742.685 |
| Reference mark, 1 1/4 ft. N. and 12 ft. W. from junction of rd. N., on top of W. head wall of concrete culvert; chiseled square | 741.02 |
| T. 51 N., R. 26 W., in NW 1/4 NE 1/4 sec. 33, 30 ft. S. and 18 ft. W. from crossroad, on top of W. head wall of concrete culvert; chiseled square | 779.91 |
| T. 51 N., R. 26 W., near N. sixteenth cor. between secs. 32 and 33, in line with rd. S., on N. curb of pavement; chiseled square | 806.14 |
| T. 51 N., R. 26 W., near N. sixteenth cor. between secs. 31 and 32, 26 ft. S. and 13 ft. E. from junction of rd. S., on top of concrete head wall of culvert; chiseled square | 819.83 |
| Lexington, 2.5 mi. E. of, about 375 ft. S. of Hicklin School, 41 ft. N. and 21 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "1004 C W A 1934" | 818.809 |
| Reference mark, 27 ft. N. and 12 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square | 820.52 |
| Junction of rd. S.; surface of highway | 823.3 |

| | |
|---|-----------------------|
| T. 51 N., R. 27 W., cor. secs. 25, 26, 35, and 36, 36 ft. N. and 20 ft. E. from junction of rd. N., on N. head wall of concrete culvert; chiseled square | <u>Feet</u> 792.28 |
| T. 51 N., R. 27 W., in NE 1/4 NW 1/4 sec. 35, in line with rd. S., on curb at N. side of pavement; chiseled square | 854.45 |
| Junction of rd. N., near drain, on curb on S. side of pavement; chiseled square | 816.72 |
| Lexington, 65 ft. S. and 22 ft. E. from intersection of Twentieth and Franklin Streets, 25 ft. N. and 36 ft. W. from NW. corner of Arnold School, 4 ft. E. of sidewalk, in concrete post; standard tablet stamped "1003 C W A 1934" | 849.959 849.103 |
| U.S.C. & G.S. standard disk stamped "G 98 1934" | |
| U.S.C.E. B.M. designated "203-63/1" | |
| Copper bolt | 687.131 |
| Top of cap | 691.199 |

4. FROM SEC. 27, T. 51 N., R. 26 W., NORTH TO SHEEPS NOSE TRIANGULATION STATION (by C. W. Williams in 1936)

| | |
|---|---------|
| T. 51 N., R. 26 W., in NW 1/4 NW 1/4 sec. 27, 100 ft. S. and 115 ft. W. from SW. corner of farmhouse, 10 ft. W. of rd., in root on SW. side of 20-in. walnut tree; copper nail and washer | 766.44 |
| Sheeps Nose triangulation sta.; Missouri River Commission iron post designated "Sheeps Nose" | 804.138 |
| Reference mark, 45 ft. S. of dwelling, in root on S. side of small cedar tree; copper nail and washer | 800.67 |

5. FROM LEXINGTON SOUTH ALONG STATE HIGHWAY 13 AND ROADS INTO ODESSA QUADRANGLE AT SEC. 3, T. 48 N., R. 27 W. (by C. W. Williams in 1936)

| | |
|---|-------------------|
| U.S.C. & G.S. standard disk stamped "G 98 1935" | 849.103 |
| Viaduct over Missouri Pacific R.R., on concrete wing wall; chiseled square | 815.88 |
| Lexington, 0.9 mi. S. of, along State Highway 13, at intersection of cut-off to U.S. Highway 24, 32 ft. E. of highway, on N. edge of curve; chiseled square | 845.87 858.9 |
| Junction of rd. W.; surface of highway | |
| T. 50 N., R. 27 W., near cor. secs. 3, 4, 9, and 10, in line with rd. W., on E. edge of pavement of State Highway 13; chiseled square | 868.86 |
| Lexington, 3 mi. S. of, along State Highway 13, 14 ft. N. and 29 ft. W. from iron pipe at quarter cor. between secs. 9 and 10, T. 50 N., R. 27 W., 26 ft. N. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "492 C W A 1934" | 887.805 875.56 |
| T-rd. W., on E. head wall of culvert; chiseled square | |
| T. 50 N., R. 27 W., in NE 1/4 SE 1/4 sec. 16, 40 ft. S. and 25 ft. E. from T-rd. N., in NW. side of telephone pole near ground; spike | 884.81 |
| T. 50 N., R. 27 W., cor. secs. 15, 16, 21, and 22, 15 ft. S. and 21 ft. E. from crossroads, on S. concrete head wall of culvert; chiseled square | 862.11 |
| T. 50 N., R. 27 W., quarter cor. between secs. 21 and 22, 15 ft. N. and 55 ft. E. from crossroads, in root on W. side of 16-in. hackberry tree; nail and washer | 881.79 812.62 |
| Culvert, on N. end of W. concrete head wall; chiseled square | |
| T. 50 N., R. 27 W., quarter cor. between secs. 27 and 28, 39 ft. N. and 29 ft. E. from T-rd. E., 10 ft. N. and 7 ft. E. from telegraph pole, in concrete post; standard tablet stamped "493 C W A 1934" | 850.793 789.76 |
| Bridge, on NW. wing wall; chiseled square | |
| T. 50 N., R. 27 W., near S. sixteenth cor. between secs. 33 and 34, 300 ft. S. of T-rd. E., on E. head wall of large concrete culvert; chiseled square | 801.48 824.40 |
| T-rd. W., in root on N. side of 8-in. elm tree; crossed nails | |
| Rd. corner N.-E., in root on SE. side of 14-in. hackberry tree; crossed nails | 883.32 |
| T. 49 N., R. 27 W., in SE 1/4 NE 1/4 sec. 9, 46 ft. N. and 37 ft. E. from T-rd. E., in base of transmission-line pole; spike | 870.55 |
| T. 49 N., R. 27 W., in NW 1/4 SE 1/4 sec. 9, 420 ft. N. of T-rd. W., 22 ft. N. and 138 ft. W. from NW. corner of porch of farmhouse of A. W. Bertz, 21 ft. W. of rd., in concrete post; standard tablet stamped "494 C W A 1934" | 861.784 823.11 |
| Culvert, on E. head wall; chiseled square | |
| T. 49 N., R. 27 W., in NE 1/4 SE 1/4 sec. 16, on NW. wing wall of bridge over Wolf Creek; chiseled square | 807.67 913.73 |
| T-rd. E., near base of telephone pole; spike | |
| T. 49 N., R. 27 W., near quarter cor. between secs. 21 and 22, 12 ft. N. and 12 ft. W. from crossroads, on W. end of iron culvert; chiseled cross | 910.54 |
| T. 49 N., R. 27 W., quarter cor. between secs. 27 and 28, 1 mi. N. of U.S. Highway 40, 106 ft. S. and 81 ft. E. from SE. corner of Centerview School, 24 ft. S. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "495 C W A 1934" | 857.701 834.86 |
| Bridge, on SE. corner of wing wall; chiseled square | |
| T. 49 N., R. 27 W., quarter cor. between secs. 33 and 34, 47 ft. S. and 15 ft. E. from U.S. Highway 40 at N.-S. rd., in NW. side of telephone pole near ground; spike | 896.54 |

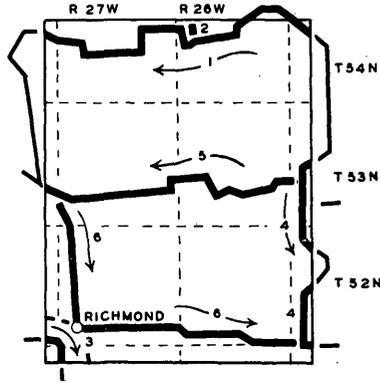
(Continued in Odessa quadrangle; see line 1.)

| | |
|---|-------------------|
| 6. FROM SEC. 3, T. 50 N., R. 27 W., WEST TO SEC. 5, T. 50 N., R. 27 W. (by C. W. Williams in 1936) | <u>Feet</u> |
| Missouri Pacific R.R. at rd. crossing; top of W. rail | 825.2 |
| T. 50 N., R. 27 W., cor. secs. 4, 5, 8, and 9, 22 ft. S. and 60 ft. E. from T-rd. N., in root on NE. side of 12-in. elm tree; copper nail and washer | 933.92 |
| O'Dell triangulation sta.; Missouri River Commission iron post designated "O'Dell" | 973.975 |
| Reference mark, 12 ft. S. and 16 ft. E. from tablet, in root on E. side of 18-in. post-oak tree; copper nail and washer | 973.87 |
| | |
| 7. FROM SEC. 34, T. 51 N., R. 26 W., SOUTH INTO HIGGINSVILLE QUADRANGLE AT SEC. 27, T. 50 N., R. 26 W. (by C. W. Williams in 1936) | |
| T. 50 N., R. 26 W., in sec. 3, 45 ft. N. of farmhouse, 25 ft. E. of rd., in root on NW. side of 34-in. maple tree; copper nail and washer | 798.69 |
| T. 50 N., R. 26 W., W. sixteenth cor. sec. 3, 5 ft. S. and 20 ft. W. from T-rd. E., 2 ft. W. of fence, in concrete post; standard tablet stamped "1007 C W A 1934" | 776.065 |
| T. 50 N., R. 26 W., in sec. 10, 148 ft. N. and 8 ft. E. from crossroads, on SE. wing wall of bridge over Lick Fork Creek; chiseled square U.S.C. & G.S. standard disk stamped "C 98 1935" | 692.06 699.303 |
| T. 50 N., R. 26 W., near center of SW 1/4 sec. 15, 21 ft. N. and 12 ft. E. from State Highway 13 at rd. N., on E. head wall of concrete culvert; chiseled square | 698.42 |
| T. 50 N., R. 26 W., in SW 1/4 sec. 15, 340 ft. N. of bridge over Tabo Creek, 31 ft. W. of State Highway 13 at rd. E., in concrete post; standard tablet stamped "1008 C W A 1934" | 696.927 |
| Top of hill, S. of Tabo Creek, in line with private rd. W.; surface of highway | 751.4 |
| T. 50 N., R. 26 W., in sec. 22, 35 ft. E. of State Highway 13 at N.-S. crossroad, in telephone pole near ground; spike | 742.42 |
| T. 50 N., R. 26 W., quarter cor. between secs. 26 and 27, 10 ft. N. and 24 ft. E. from State Highway 13 at E.-W. crossroad, on N. head wall of concrete culvert; chiseled square | 771.02 781.53 |
| First transmission-line pole SE. of State Highway 13; spike | |

(Continued in Higginsville quadrangle; see line 5.)

For additional level lines along south bank of Missouri River, Atchison, Topeka & Santa Fe Ry., and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City; and second-order lines, St. Joseph to Lexington and Lexington to Boonville.

RICHMOND QUADRANGLE
(Latitude $39^{\circ}15' - 39^{\circ}30'$; longitude $93^{\circ}45' - 94^{\circ}00'$)
Carroll and Ray Counties



1. FROM NORBORNE QUADRANGLE AT SEC. 18, T. 54 N., R. 25 W., WEST INTO LAWSON QUADRANGLE AT SEC. 13, T. 54 N., R. 28 W., INCLUDING THAT PART OF THE LINE IN BRAYMER QUADRANGLE (by E. B. Perry in 1921)*
(Continued from Norborne quadrangle; see line 1.)

| | <u>Feet</u> |
|--|-------------|
| T. 54 N., Rs. 25 and 26 W., cor. secs. 7, 12, 13, and 18, 60 ft. S. and 50 ft. W. from crossroads, in root of 24-in. maple tree; copper nail and washer | 823.18 |
| T. 54 N., R. 26 W., cor. secs. 11, 12, 13, and 14, 60 ft. N. of crossroads, on N. end of E. head wall of concrete culvert; chiseled square | 860.39 |
| T. 54 N., R. 26 W., cor. secs. 10, 11, 14, and 15, 30 ft. N. and 40 ft. W. from T-rd. S., in root of 6-in. hedge tree; copper nail and washer | 912.43 |
| Tinney Grove, center sec. 10, T. 54 N., R. 26 W., 20 ft. N. and 20 ft. W. from T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 42 S 1921 Mo" | 912.808 |
| Reference mark, 80 ft. S. 50° W. of tablet, in root of 12-in. locust tree; copper nail and washer | 913.21 |
| T. 54 N., R. 26 W., in NE $1/4$ SE $1/4$ sec. 9, at NE. corner of T-rd. E., on concrete base of corner fence post; chiseled square | 890.38 |
| T. 54 N., R. 26 W., cor. secs. 15, 16, 21, and 22, 260 ft. S. of crossroads, on W. head wall of concrete culvert; chiseled square | 859.37 |
| T. 54 N., R. 26 W., near cor. secs. 16, 17, 20, and 21, 15 ft. N. and 30 ft. W. from T-rd. N., in root of 12-in. box-elder tree; copper nail and washer | 840.21 |
| T. 54 N., R. 26 W., E. sixteenth cor. between secs. 18 and 19, N. of rd., in root of 24-in. box-elder tree; copper nail and washer | 931.84 |
| T. 54 N., Rs. 26 and 27 W., near quarter cor. between secs. 13 and 18, on S. end of W. head wall of concrete culvert; chiseled square | 798.41 |
| T. 54 N., R. 27 W., about 500 ft. W. of cor. secs. 7, 12, 13, and 18, S. of rd., in root of 24-in. cottonwood tree; copper nail and washer | 872.76 |
| T. 54 N., R. 27 W., cor. secs. 11, 12, 13, and 14, at crossroads, on NE. end of E. head wall of concrete culvert; chiseled square | 847.10 |
| Georgeville, in NE $1/4$ sec. 15, T. 54 N., R. 27 W., at NE. corner of general store; iron post stamped "Prim Trav Sta No 41 S 1921 Mo" | 951.054 |
| Reference mark, 80 ft. N. 55° E. of post, at crossroads, on concrete base of corner fence post; chiseled square | 955.60 |
| T. 54 N., R. 27 W., quarter cor. between secs. 22 and 23, 400 ft. W. of crossroads, 40 ft. N. of dwelling, S. of rd., in root of 12-in. maple tree; copper nail and washer | 888.84 |
| T. 54 N., R. 27 W., near quarter cor. between secs. 21 and 22, at T-rd. N., on top of W. support on N. side of bridge; (mark not described) | 819.46 |
| T. 54 N., R. 27 W., near quarter cor. between secs. 20 and 21, 30 ft. N. and 25 ft. E. from T-rd. N., in root of 14-in. burr-oak tree; copper nail and washer | 857.21 |
| Taitsville, 250 ft. W. of T-rd. W., S. of rd., in root of 14-in. locust tree; copper nail and washer | 811.76 |
| T. 54 N., Rs. 27 and 28 W., cor. secs. 13, 18, 19, and 24, 20 ft. N. and 60 ft. E. from crossroads, in root of 30-in. pin-oak tree; copper nail and washer | 919.68 |
| T. 54 N., Rs. 27 and 28 W., 130 ft. S. of cor. secs. 7, 12, 13, and 18, 1 mi. N. and 1.5 mi. W. from Taitsville; iron post stamped "Prim Trav Sta No 40 S 1921 Mo" | 938.552 |
| Reference mark, 0.2 mi. W. of post, N. of rd., in root of 24-in. elm tree; copper nail and washer | 977.00 |

(Continued in Lawson quadrangle; see line 1.)

*Line 5 of Braymer quadrangle includes a portion of this line (see Bull. 898-D, p. 500).

2. IN SEC. 7, T. 54 N., R. 26 W. (by F. L. Whaley in 1922)

T. 54 N., Rs. 26 and 27 W., near cor. secs. 7, 12, 13, and 18, at rd. corner, in NW. corner of yard of Lile R. Clemens, in concrete post; standard tablet Feet
872.636

3. FROM LAWSON QUADRANGLE AT SEC. 2, T. 51 N., R. 28 W., SOUTHEAST INTO LEXINGTON QUADRANGLE AT SEC. 12, T. 51 N., R. 28 W.
(by L. V. Johnson in 1932)
(Continued from Lawson quadrangle; see line 4.)

T. 51 N., R. 28 W., E. sixteenth cor. sec. 1, 23 ft. N. and 38 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 284 B 1932" 780.949

(Continued in Lexington quadrangle; see line 1.)

4. FROM NORBORNE QUADRANGLE AT SEC. 7, T. 53 N., R. 25 W., SOUTH INTO NORBORNE QUADRANGLE AT SEC. 6, T. 51 N., R. 25 W.
(by B. A. Barnes in 1936)
(Continued from Norborne quadrangle; see line 4.)

T. 53 N., Rs. 25 and 26 W., cor. secs. 7, 12, 13, and 18, on Carroll-Ray county line, 65 ft. N. of crossroads, on center of E. head wall of concrete culvert; chiseled square 732.66

T. 53 N., Rs. 25 and 26 W., S. sixteenth cor. between secs. 13 and 18, on Carroll-Ray county line, 14 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1038 C W A 1934" 723.572

T. 53 N., Rs. 25 and 26 W., cor. secs. 19, 24, 25, and 30, 51 ft. S. and 30 ft. E. from crossroads, in root on NW. side of 24-in. maple tree; copper nail and washer 812.01

T. 53 N., Rs. 25 and 26 W., near cor. secs. 25, 30, 31, and 36, 80 ft. N. and 30 ft. E. from T-rd. E., 90 ft. N. and 30 (?) ft. E. from T-rd. W., in root on E. side of 14-in. walnut tree; copper nail and washer 804.71

T-rd. W., on center of E. head wall of concrete culvert; chiseled square 742.47

Tps. 52 and 53 N., Rs. 25 and 26 W., cor. of, on Carroll-Ray county line, 42 ft. S. and 26 ft. W. from T-rd. E., 20 ft. S. and 14 ft. W. from SW. corner of head wall of concrete culvert, 14 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1037 C W A 1934" 721.545

T. 52 N., Rs. 25 and 26 W., cor. secs. 1, 6, 7, and 12, 165 ft. N. and 21 ft. E. from crossroads, in root on E. side of 10-in. hedge tree; copper nail and washer 793.81

(For balance in Norborne quadrangle, see line 4.)

T. 52 N., R. 26 W., E. cor. secs. 12 and 13, 10 ft. N. and 80 ft. W. from T-rd. W., 160 ft. N. and 80 (?) ft. W. from T-rd. E., on center of NE. head wall of concrete culvert; chiseled square 733.32

T. 52 N., R. 25 W., in SW 1/4 sec. 18, about 0.2 mi. E. of Carroll-Ray county line, 32 ft. N. and 3 ft. E. from T-rd. S., 86 ft. N. and 37 ft. E. from NE. corner of farmhouse of H. B. Bocherding, in concrete post; standard tablet stamped "1036 C W A 1934" 689.230

T. 52 N., R. 25 W., in NW 1/4 sec. 19, at NE. corner of steel bridge over drainage ditch, on top of bolt set in concrete; chiseled cross 677.58

T. 52 N., R. 25 W., in SW 1/4 sec. 19, 3 ft. N. of SE. corner of steel bridge over drainage ditch, on inside concrete curb; chiseled square 677.58

T. 52 N., R. 25 W., in SW 1/4 sec. 30, 90 ft. S. of Wabash Ry., at NE. corner of steel bridge over drainage ditch, on top of bolt head; chiseled square 680.53

T-rd. N., surface of rd. 679.2

T. 52 N., R. 25 W., N. sixteenth cor. on W. line sec. 31, 0.7 mi. N. of State Highway 10, on Carroll-Ray county line, 18 ft. E. of rd., in root on NW. side of 16-in. cottonwood tree; copper nail and washer 679.01

Tps. 51 and 52 N., Rs. 25 and 26 W., cor. of, 30 ft. N. and 40 ft. E. from State Highway 10 at crossroad on Carroll-Ray county line, 14 ft. E. of double telegraph poles, in concrete post; standard tablet stamped "1032 C W A 1934" 683.556

(Continued in Norborne quadrangle; see line 4.)

5. FROM SEC. 24, T. 53 N., R. 26 W., WEST INTO LAWSON QUADRANGLE AT SEC. 24, T. 53 N., R. 28 W. (by B. A. Barnes in 1936)

T. 53 N., R. 26 W., cor. secs. 23, 24, 25, and 26, 21 ft. N. and 30 ft. E. from T-rd. N. and hedge fence S., near fence corner, in concrete post; standard tablet stamped "464 C W A 1934" 801.500

T-rd. S., 12 ft. N. and 9 ft. W. from, 12 ft. S. and 15 ft. E. from T-rd. N., on center of SE. wing of NE. head wall of concrete culvert; chiseled square 824.47

T-rd. E., SE. of, in base of corner fence post; spike 835.68

T. 53 N., R. 26 W., quarter cor. between secs. 26 and 27, 25 ft. S. and 63 ft. W. from T-rd. W., in root on SE. side of twin 42-in. cottonwood tree; copper nail and washer 794.32

T. 53 N., R. 26 W., near quarter cor. between secs. 27 and 28, 2.5 mi. S. of Russellville Junction along County Route A, 3 ft. S. and 28 ft. E. from junction of rd. W., 2 ft. W. of fence, in concrete post; standard tablet stamped "463 C W A 1934" 821.350

| | <u>Feet</u> |
|--|-------------|
| T. 53 N., R. 26 W., in SE 1/4 NW 1/4 sec. 28, 165 ft. W. of rd. fork NW., 15 ft. S. of rd., on SW. wing wall of small concrete bridge; chiseled square | 761.05 |
| T. 53 N., R. 26 W., E. sixteenth cor. sec. 29, 380 ft. E. of T-rd. E., on center of N. head wall of concrete culvert; chiseled square | 786.92 |
| T. 53 N., R. 26 W., center sec. 20, 38 ft. S. and 265 ft. W. from rd. corner N.-W., 38 ft. S. and 25 ft. E. from T-rd. S., 2 ft. from fence, in concrete post; standard tablet stamped "462 C W A 1934" | 789.996 |
| T-rd. S. (abandoned), 2 ft. W. and 10 ft. (?) from, on center of S. head wall of concrete culvert; chiseled square | 842.72 |
| T. 53 N., Rs. 26 and 27 W., quarter cor. between secs. 19 and 24, 60 ft. N. and 105 ft. W. from crossroads, on center of first concrete step to cellar; chiseled square | 947.81 |
| T. 53 N., Rs. 26 and 27 W., about 0.2 mi. S. of cor. secs. 19, 24, 25, and 30, 84 ft. S. and 18 ft. W. from T-rd. E., in root on SE. side of leaning 14-in. white-oak tree; copper nail and washer | 937.97 |
| T-rd. W., on NW. end of concrete pipe culvert; chiseled square | 862.96 |
| T. 53 N., R. 27 W., quarter cor. between secs. 25 and 26, 21 ft. N. and 52 ft. W. from rd. at fence S., 77 ft. S. and 51 ft. E. from SE. corner of farmhouse of Earle Miller, in concrete post; standard tablet stamped "461 C W A 1934" | 772.333 |
| T. 53 N., R. 27 W., center sec. 26, 130 ft. S. and 90 ft. E. from T-rd. S., 10 ft. S. of SE. corner of Liberty School, on NE. corner of concrete well block; chiseled square | 787.06 |
| T. 53 N., R. 27 W., quarter cor. between secs. 26 and 27, 40 ft. S. and 280 ft. W. from crossroads, on SW. concrete wing wall of steel bridge; chiseled square | 727.24 |
| T. 53 N., R. 27 W., quarter cor. between secs. 27 and 28, 30 ft. N. and 36 ft. W. from rd. at fence S., 1 ft. N. of step, on SE. corner of concrete sidewalk to school; chiseled square | 752.48 |
| Crossroads; surface of rd. | 747.2 |
| T. 53 N., R. 27 W., 412 ft. W. of quarter cor. between secs. 28 and 29, 17 ft. N. and 5 ft. W. from junction of private rd. S. to farmhouse of W. S. Etherton, 2 ft. N. of fence, in concrete post; standard tablet stamped "460 C W A 1934" | 805.836 |
| Rd. corner at top of ridge, 90 ft. N. of, in root of 14-in. elm tree; crossed nails | 950.76 |
| T. 53 N., R. 27 W., near center of SE 1/4 sec. 30, 27 ft. E. of T-rd. W., in root on W. side of 14-in. elm tree; copper nail and washer | 771.66 |
| Bryant School, on NE. side of concrete well block; chiseled square | 759.97 |
| Crossroads; surface of rd. | 761.0 |
| T. 53 N., R. 28 W., in SE 1/4 sec. 25, about 0.5 mi. N. of Dockery, 31 ft. N. and 35 ft. E. from State Highway 13 at rd. E., 13 ft. N. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "459 C W A 1934" | 876.827 |
| T. 53 N., R. 28 W., about 0.1 mi. W. of quarter cor. between secs. 24 and 25, 90 ft. S. and 40 ft. W. from State Highway 13 at E.-W. crossroad, in root on SE. side of twin 12-in. hedge tree; copper nail and washer | 903.23 |

(Continued in Lawson quadrangle; see line 7.)

6. FROM SEC. 25, T. 53 N., R. 28 W., SOUTH ALONG STATE HIGHWAY 13 TO RICHMOND, THENCE EAST ALONG STATE HIGHWAY 10 TO SEC. 6, T. 51 N., R. 25 W. (by E. A. Barnes in 1936)

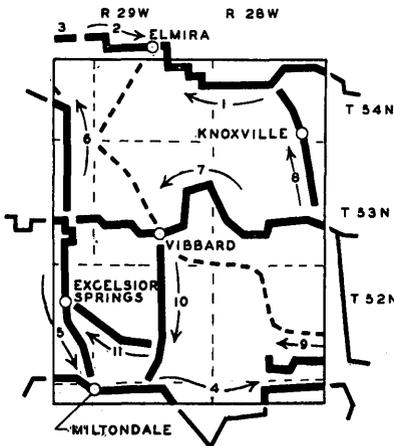
| | |
|---|---------|
| Dockery, 35 ft. N. of general store, 12 ft. N. and 25 ft. E. from junction of rd. E., on center of N. head wall of concrete culvert; chiseled square | 777.87 |
| T. 53 N., R. 28 W., near center of NE 1/4 sec. 36, 12 ft. N. and 15 ft. E. from junction of rd. E. and private rd. W., on center of N. head wall of concrete culvert; chiseled square | 748.31 |
| Crossroad; surface of highway | 738.4 |
| T. 52 N., R. 27 W., in NW 1/4 sec. 6, 15 ft. S. and 40 ft. W. from junction of rd. W. and private lane E., in center of S. head wall of concrete culvert; standard tablet stamped "BA 1 1936" | 731.399 |
| T. 52 N., R. 27 W., in NW 1/4 sec. 7, 12 ft. S. and 45 ft. W. from junction of rd. W., on center of S. head wall of concrete culvert; chiseled square | 773.30 |
| Richmond, 2 mi. N. of, 13 ft. N. and 30 ft. W. from junction of rd. W., opposite Clark-Wilson Coal Co. mine dump, on center of N. head wall of concrete culvert; chiseled square | 784.43 |
| Richmond, 1.1 mi. N. of, 12 ft. N. and 25 ft. E. from junction of rd. E., on center of N. head wall of concrete culvert; chiseled square | 741.75 |
| Atchison, Topeka & Santa Fe Ry. at North Thornton Street; surface of street | 762.7 |
| Richmond, at SE. corner of square, 47 ft. N. and 52 ft. W. from intersection of Thornton and Main Streets, 5 ft. N. of concrete walk to courthouse, in concrete post; standard tablet stamped "1025 C W A 1934" | 825.787 |
| U.S.C. & G.S. standard disk stamped "M 74 1935" | 815.562 |
| Intersection of Main and Cuninghams Streets; surface of street | 802.5 |
| Richmond, at E. edge of, at junction of State Highway 13 S., 4 ft. N. and 11 ft. E. from NE. corner of filling sta., on NW. end of concrete base of gasoline pumps; chiseled square | 783.10 |
| Junction of rd. N. to mine; surface of highway | 782.0 |
| Richmond, about 1 mi. E. of, 18 ft. N. and 220 ft. E. from junction of rd. S., on center of N. head wall of concrete culvert; chiseled square | 781.67 |
| Junction of driveway to Conrow Mine, 30 ft. S. and 24 ft. W. from, on center of W. head wall of concrete culvert; chiseled square | 715.32 |

| | <u>Feet</u> |
|--|------------------|
| Richmond, 2.2 mi. E. of, 18 ft. S. and 70 ft. E. from junction of rd. N., on SE. corner of concrete drain; chiseled square | 738.83 |
| Richmond, 2.5 mi. E. of, 33 ft. S. and 27 ft. E. from crossroad, 78 ft. N. and 131 ft. E. from NE. corner of school, in center of E. head wall of concrete culvert; standard tablet stamped "BA 2 1936" | 753.647 752.8 |
| Junction of rd. S.; surface of highway | |
| T. 52 N., R. 27 W., quarter cor. between secs. 26 and 35, 32 ft. N. and 25 ft. E. from highway at N.-S. fence, on center of W. flange of concrete culvert; chiseled square | 703.21 |
| T. 52 N., R. 27 W., cor. secs. 25, 26, 35, and 36, 10 ft. N. and 15 ft. W. from crossroad, on center of concrete wing wall at NE. corner of bridge; chiseled square | 704.38 |
| T. 52 N., Rs. 26 and 27 W., near cor. secs. 25, 30, 31, and 36, 95 ft. N. and 35 ft. E. from crossroad, 95 ft. N. and 99 ft. E. from highway bridge, in concrete post; standard tablet stamped "1030 C W A 1934" | 698.212 |
| Bridge over Crooked River, at SE. corner of, on center of concrete wing wall; chiseled square | 701.86 |
| T. 52 N., R. 26 W., on line between secs. 31 and 32, 22 ft. S. and 10 ft. W. from junction of rd. S., on W. end of concrete culvert; chiseled square | 696.82 |
| T. 52 N., R. 26 W., in sec. 32, 22 ft. N. and 15 ft. W. from junction of County Route A to N., on center of W. head wall of concrete culvert; chiseled square | 688.28 690.4 |
| Junction of rd. E.; surface of highway | |
| T. 52 N., R. 26 W., in SE 1/4 sec. 33, 50 ft. S. and 20 ft. W. from junction of rd. SW., 30 ft. N. of spur line R.R. track, on center of W. head wall of concrete culvert; chiseled square | 687.84 |
| Hardin, about 0.6 mi. E. of, 135 ft. S. of SW. corner of farmhouse of Ed Sumner, 35 ft. S. of highway, 2 ft. from fence, in concrete post; standard tablet stamped "1031 C W A 1934" | 685.338 |
| Tps. 51 and 52 N., R. 26 W., cor. secs. 2, 3, 34, and 35, 18 ft. N. and 18 ft. E. from crossroad, 6n center of N. head wall of concrete culvert; chiseled square | 685.01 682.9 |
| Junction of rd. S.; surface of highway | |
| Tps. 51 and 52 N., R. 25 W., W. sixteenth cor. between secs. 1 and 36, 10 ft. N. and 36 ft. W. from junction of rd. N., at NE. corner of bridge, on concrete wing wall; chiseled square | 683.80 |

For an additional level line along Atchison, Topeka & Santa Fe Ry., refer to United States Coast and Geodetic Survey second-order line, St. Joseph to Lexington.

LAWSON QUADRANGLE
(Latitude 39°15'-39°30'; longitude 94°00'-94°15')

Clay, Clinton, and Ray Counties



1. FROM RICHMOND QUADRANGLE AT SEC. 13, T. 54 N., R. 28 W., WEST AND NORTH TO SEC. 11, T. 54 N., R. 29 W., INCLUDING THAT PART OF THE LINE IN POLO QUADRANGLE (by E. B. Perry in 1921)
(Continued from Richmond quadrangle; see line 1.)

| | |
|--|---------|
| T. 54 N., R. 28 W., near cor. secs. 11, 12, 13, and 14, 12 ft. S. and 15 ft. E. from crossroads, in root of 30-in. elm tree; copper nail and washer | 888.00 |
| T. 54 N., R. 28 W., near cor. secs. 10, 11, 14, and 15, 40 ft. S. of crossroads, in root of 30-in. walnut tree; copper nail and washer | 951.04 |
| T. 54 N., R. 28 W., quarter cor. between secs. 15 and 16, 20 ft. S. and 21 ft. W. from T-rd. W., 158 ft. S. and 94 ft. E. from SE. corner of Bethel Church, 21 ft. W. of T-rd. E.; iron post stamped "Prim Trav Sta No 39 S 1921 Mo" | 984.189 |

| | <u>Feet</u> |
|---|-------------|
| Reference mark, N. 50° W. of post, on SE. corner of concrete porch; chiseled square | 984.24 |
| T. 54 N., R. 28 W., near center sec. 17, 20 ft. N. and 50 ft. W. from T-rd. N., in root of 10-in. wild-cherry tree; copper nail and washer | 972.10 |
| T. 54 N., R. 28 W., quarter cor. between secs. 17 and 18, 25 ft. S. and 25 ft. W. from T-rd. E., 8 ft. W. of corner fence post, on rock ledge; chiseled square | 924.74 |
| T. 54 N., Rs. 28 and 29 W., near cor. secs. 7, 12, 13, and 18, at S. end of blind rd., 60 ft. E. of rd., about 400 ft. S. of farmhouse, in root of 40-in. box-elder tree; copper nail and washer | 892.08 |
| T. 54 N., R. 29 W., 8 1/4 ft. N. of cor. secs. 11, 12, 13, and 14; iron post stamped "Prim Trav Sta No 38 S 1921 Mo" | 984.983 |
| Reference mark, 46 ft. N. 45° E. of post, in root of 16-in. walnut tree; copper nail and washer | 986.50 |
| T. 54 N., R. 29 W., N. sixteenth cor. between secs. 10 and 11, at crossroads, S. (? N.) of rd., in root of 18-in. elm tree; copper nail and washer (in Polo quadrangle; see Bull. 898-D, p. 502). | 955.17 |

2. FROM SEC. 2, T. 54 N., R. 30 W., EAST TO SEC. 10, T. 54 N., R. 29 W. (by F. L. Whaley in 1922)*

| | |
|--|-----------|
| T. 54 N., R. 30 W., E. sixteenth cor. between secs. 2 and 11, 25 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 36 S 1921 Mo" | 1,010.766 |
| Reference mark, 80 ft. N. 88° E. of tablet, in root of 20-in. elm tree; copper nail and washer | 1,005.28 |
| T. 54 N., R. 30 W., E. cor. secs. 1 and 12, at SW. corner of T-rd. W., on Clinton-Ray county line, on W. end of stone culvert; chiseled square | 1,019.75 |
| T. 54 N., R. 29 W., 500 ft. E. of W. quarter cor. sec. 7, at NW. corner of concrete bridge, on concrete abutment; chiseled square | 958.56 |
| T. 54 N., R. 29 W., quarter cor. between secs. 7 and 8, at junction of private rd. N. to farmhouse, on top of N. guard wall of concrete culvert; chiseled square | 935.58 |
| T. 54 N., R. 29 W., E. sixteenth cor. sec. 8, SW. of Benton School, near NE. corner of yard of J. A. Green, in root of 18-in. locust tree; copper nail and washer | 1,008.90 |
| T. 54 N., R. 29 W., W. sixteenth cor. sec. 9, 20 ft. N. and 15 ft. E. from crossroads; iron post stamped "Prim Trav Sta No 37 S 1921 Mo" | 962.761 |
| Reference mark, 155 ft. N. 89° E. of post, in root of 30-in. black-oak tree; copper nail and washer | 955.93 |
| Elmira, opposite semaphore in front of Chicago, Milwaukee, St. Paul and Pacific R.R. sta.; top of N. rail of main track | 880.8 |
| Elmira, 0.5 mi. E. of, 0.2 mi. S. of quarter cor. between secs. 3 and 10, T. 54 N., R. 29 W., N. of rd., in root of 12-in. black-oak tree; copper nail and washer | 925.79 |

3. FROM PLATTSBURG QUADRANGLE AT SEC. 3, T. 54 N., R. 30 W., EAST TO SEC. 2, T. 54 N., R. 30 W. (by W. R. Broadus in 1923)

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|--|----------|
| T. 54 N., R. 30 W., 50 ft. E. of cor. secs. 2, 3, 10, and 11, in fence line N. of rd., in root of 18-in. elm tree; copper nail and washer (Published as line 9 of the Polo quadrangle; see Bull. 898-D; p. 503). | 1,034.97 |
|--|----------|

4. FROM KEARNEY QUADRANGLE AT SEC. 34, T. 52 N., R. 30 W., EAST INTO RICHMOND QUADRANGLE AT SEC. 2, T. 51 N., R. 28 W. (by L. V. Johnson in 1932)

(Continued from Kearney quadrangle; see line 2.)

| | |
|--|---------|
| Miltondale, 0.7 mi. NW. of, in NE 1/4 sec. 2, T. 51 N., R. 30 W., at top of hill, 50 ft. SE. of gate to pasture, S. of rd., in root on W. side of triangular-blazed 10-in. walnut tree; copper nail and washer | 931.26 |
| Miltondale, 165 ft. S. and 20 ft. W. from T-rd. W., inside fence, in root on NE. side of 20-in. oak tree; copper nail and washer | 728.30 |
| T. 51 N., R. 29 W., W. sixteenth cor. between secs. 6 and 7, 19 ft. S. and 4 ft. W. from iron pin at T-rd. N., in concrete post; standard tablet stamped "T T 279 B 1932" | 720.333 |
| T. 51 N., R. 29 W., cor. secs. 5, 6, 7, and 8, 25 ft. N. and 75 ft. E. from T-rd. S., 5 ft. N. of fence, in root on SW. side of hedge tree; copper nail and washer | 718.92 |
| T. 51 N., R. 29 W., in SW 1/4 sec. 4, at bridge over Fishing River, on S. end of E. pier; chiseled square | 718.56 |
| T. 51 N., R. 29 W., near W. sixteenth cor. between secs. 3 and 10, 42 ft. N. and 26 ft. E. from rd. forks, in fence corner, in concrete post; standard tablet stamped "T T 280 B 1932" | 763.558 |
| Reference mark, 120 ft. W. of tablet, on W. end of concrete head wall of culvert; chiseled square | 748.81 |

(For balance in Orrick quadrangle, see line 1.)

| | |
|--|---------|
| T. 51 N., R. 28 W., E. sixteenth cor. between secs. 4 and 9, 300 ft. NE. of rd. forks, 35 ft. W. of church, in root on NE. side of 20-in. hickory tree; copper nail and washer | 950.80 |
| T. 51 N., R. 28 W., near quarter cor. between secs. 3 and 4, 85 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 283 B 1932" | 805.906 |

*Published in line 6 of the Polo quadrangle (see Bull. 898-D, pp. 502-503).

| | <u>Feet</u> |
|--|-------------------|
| T. 51 N., R. 28 W., about 500 ft. E. of quarter cor. between secs. 2 and 3, SW. of T-rd. S., on concrete head wall of culvert; chiseled square | 799.62 |
| T. 51 N., R. 28 W., about 1,000 ft. E. of center sec. 2, at SW. corner of small concrete bridge over drain, on top of concrete guardpost; chiseled square | 741.06 |
| (Continued in Richmond quadrangle; see line 3.) | |
| 5. FROM KEARNEY QUADRANGLE AT SEC. 22, T. 53 N., R. 30 W., SOUTH TO MILTONDALE (by C. T. Shepherd in 1934) | |
| (Continued from Kearney quadrangle; see line 5.) | |
| Greenville, 1.3 mi. E. of, in SW 1/4 sec. 23, T. 53 N., R. 30 W., 0.8 mi. W. of U.S. Highway 69, 105 ft. N. and 12 ft. E. from rd. forks, under telephone line, in concrete post; standard tablet stamped "439 C W A 1934" | 962.674 |
| Greenville, 0.9 mi. S., thence 1.3 mi. E. from, in S 1/2 sec. 26, T. 53 N., R. 30 W., 18 ft. N. and 45 ft. E. from T-rd. S., in root on E. side of 18-in. elm tree; copper nail and washer | 935.33 |
| Tps. 52 and 53 N., R. 30 W., W. sixteenth cor. between secs. 2 and 35, 71 ft. S. and 25 ft. W. from crossroads, 42 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "414 C W A 1934" | 917.897 |
| T. 52 N., R. 30 W., near center sec. 2, on U.S. Highway 69, 135 ft. E. of E.-W. crossroad at underpass of Chicago, Milwaukee, St. Paul and Pacific R.R., at base of parapet wall, on W. end of N. abutment; chiseled square | 914.35 |
| T. 52 N., R. 30 W., in NW 1/4 sec. 14, at Crescent Lake (? Hill), 25 ft. N. and 61 ft. W. from crossing of electric R.R., 25 ft. NW. of State Highway 10, 2 ft. inside fence, in concrete post; standard tablet stamped "437 C W A 1934" | 764.821 |
| T. 52 N., R. 30 W., in SE 1/4 sec. 14, 200 ft. N. and 12 ft. E. from rd. fork NE., in root on N. side of 18-in. box-elder tree; copper nail and washer | 865.91 |
| T. 52 N., R. 30 W., 20 ft. E. of cor. secs. 23, 24, 25, and 26, 26 ft. N. and 56 ft. W. from T-rd. W., 12 ft. NE. of telephone pole, in concrete post; standard tablet stamped "438 C W A 1934" | 812.578 |
| 6. FROM SEC. 23, T. 53 N., R. 30 W., NORTH ALONG U.S. HIGHWAY 69 INTO KEARNEY QUADRANGLE AT SEC. 27, T. 54 N., R. 30 W. (by C. T. Shepherd in 1934) | |
| T. 53 N., R. 30 W., in NE 1/4 NE 1/4 sec. 23, 40 ft. N. and 60 ft. W. from crossroad; top of E. one of two concrete right-of-way posts | 1,003.88 |
| T. 53 N., R. 30 W., near N. sixteenth cor. between secs. 13 and 14, 20 ft. N. and 20 ft. W. from E.-W. crossroad, on top of W. head wall of concrete culvert; chiseled square | 1,004.17 |
| T. 53 N., R. 30 W., cor. secs. 1, 2, 11, and 12, 54 ft. S. and 44 ft. E. from E.-W. crossroad, 17 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1060 C W A 1934" | 1,058.044 |
| Lawson, 1 mi. W. of, cor. secs. 1, 2, 35, and 36, Tps. 53 and 54 N., R. 30 W., 27 ft. N. and 35 ft. W. from E.-W. crossroad, on top of concrete right-of-way post; (mark not described) | 1,053.09 |
| T. 54 N., R. 30 W., in W 1/2 sec. 26, 30 ft. N. and 40 ft. W. from E.-W. crossroad, at W. end of concrete culvert, on top of N. retaining wall; chiseled square | 1,055.88 |
| 7. FROM RICHMOND QUADRANGLE AT SEC. 24, T. 53 N., R. 28 W., WEST TO SEC. 23, T. 53 N., R. 30 W. (by B. A. Barnes in 1936) | |
| (Continued from Richmond quadrangle; see line 5.) | |
| T. 53 N., R. 28 W., quarter cor. between secs. 23 and 26, 9 ft. N. and 25 ft. E. from T-rd. S., at NW. corner of concrete bridge, on wing wall; chiseled square | 763.08 |
| T. 53 N., R. 28 W., cor. secs. 22, 23, 26, and 27, 6 ft. S. and 36 ft. W. from T-rd. W., on center of E. wall of concrete bridge; chiseled square | 782.85 884.2 |
| T-rd. W.; surface of rd. | |
| T. 53 N., R. 28 W., about 0.2 mi. S. of center sec. 22, 19 ft. N. and 21 ft. W. from T-rd. W. and private rd. E., 4 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "458 C W A 1934" | 828.809 |
| T. 53 N., R. 28 W., about 0.3 mi. N. of cor. secs. 21, 22, 27, and 28 210 ft. N. and 9 ft. W. from T-rd. W., on center of W. head wall of concrete culvert; chiseled square | 764.31 |
| T. 53 N., R. 28 W., quarter cor. between secs. 27 and 28, 18 ft. N. and 18 ft. W. from T-rd. N., on S. side of concrete fence post; chiseled square | 753.98 |
| T. 53 N., R. 28 W., quarter cor. between secs. 28 and 29, 9 ft. S. and 36 ft. W. from T-rd. N., on center of S. head wall of concrete culvert; chiseled square | 757.25 |
| T. 53 N., R. 28 W., in SE 1/4 sec. 29, 17 ft. S. and 97 ft. W. from rd. forks, 335 ft. E. of bridge over Cold Spring Branch, 5 ft. E. of telephone pole, in concrete post; standard tablet stamped "457 C W A 1934" | 763.869 763.48 |
| Rocky Fork Creek, on NE. corner of bridge; painted square | |

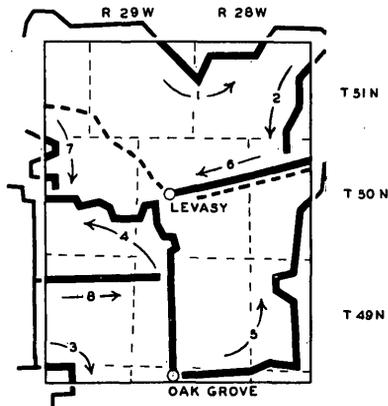
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| T. 53 N., R. 28 W., in SW 1/4 sec. 20, about 145 ft. N. of rd. corner E.-N., 50 ft. SW. of SW. corner of dwelling of J. R. Shelton, in root on NW. side of 18-in. elm tree; copper nail and washer | Feet 892.02 |
| T. 53 N., R. 28 W., center of NE 1/4 sec. 19, 100 ft. S. and 10 ft. W. from rd. corner S.-W., on center of W. head wall of concrete culvert; chiseled square | 902.81 |
| T. 53 N., R. 28 W., quarter cor. between secs. 18 and 19, about 280 ft. S. and 500 ft. W. from, 1 1/2 ft. N. and 88 ft. E. from rd. corner, 2 ft. N. of fence, on land of J. J. Aker, in concrete post; standard tablet stamped "456 C W A 1934" | 943.186 |
| T. 53 N., R. 28 W., center sec. 18, 1 1/2 ft. N. and 27 ft. W. from T-rd. E., in root on N. side of 18-in. white-oak tree; copper nail and washer | 907.66 |
| T-rd. E., 150 ft. N. and 20 ft. W. from, in root on N. side of 16-in. elm tree; crossed nails | 973.51 |
| T. 53 N., R. 28 and 29 W., cor. secs. 7, 12, 13, and 18, 33 ft. S. and 33 ft. E. from T-rd. W., 15 ft. S. and 42 ft. W. from SW. corner of farmhouse, in root on SW. side of 1 1/2-in. maple tree; copper nail and washer | 1,011.15 998.0 992.1 |
| Rd. corner at lane S.; surface of rd. Crossroads; surface of rd. | |
| T. 53 N., R. 29 W., near W. sixteenth cor. sec. 12, 31 ft. N. and 46 ft. E. from T-rd. N., 8 ft. N. and 28 ft. E. from fence corner, in concrete post; standard tablet stamped "455 C W A 1934" | 993.963 998.9 |
| Reference mark, across rd. from tablet, in root of hedge tree; nail | |
| T. 53 N., R. 29 W., E. sixteenth cor. sec. 11, 12 ft. S. and 145 ft. E. from T-rd. E., on center of S. head wall of concrete culvert; chiseled square | 970.07 942.9 |
| T-rd. E.; surface of rd. | |
| T. 53 N., R. 29 W., in SE 1/4 sec. 14, at top of ridge, 36 ft. S. and 40 ft. W. from SW. corner of porch of farmhouse of O. J. Courter, 18 ft. E. of rd., on rock ledge; chiseled square | 983.66 865.5 |
| Rd. forks at Rocky Ford Creek; surface of rd. | |
| T. 53 N., R. 29 W., E. sixteenth cor. sec. 23, 38 ft. E. of rd. at fences E. and W., in fence line, in root on SE. side of 10-in. elm tree; copper nail and washer | 991.46 |
| T. 53 N., R. 29 W., E. sixteenth cor. between secs. 23 and 26, 75 ft. N. and 27 ft. W. from rd. corner W.-S. produced, 22 ft. S. of private rd. E. through field, 3 ft. W. of fence corner, in concrete post; standard tablet stamped "454 C W A 1934" | 921.771 |
| Vibbard, 29 ft. N. and 48 ft. W. from County Route M in front of post office, on S. side of concrete curb around tree; chiseled square | 1,045.42 |
| U.S.C. & G.S. standard disk stamped "E 74 1935" | 1,044.539 |
| T-rd. N., 33 ft. S. and 45 ft. E. from, in root on W. side of 1 1/2-in. white-oak tree; copper nail and washer | 977.72 |
| T. 53 N., R. 29 W., quarter cor. between secs. 21 and 28, 10 ft. S. and 126 ft. W. from T-rd. S., on SW. corner of small concrete bridge; chiseled square | 932.05 |
| T. 53 N., R. 29 W., in SW 1/4 sec. 21, 4 1/2 ft. N. and 20 ft. E. from T-rd. N., 1 1/2 ft. N. and 60 ft. E. from small concrete bridge, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "453 C W A 1934" | 908.991 |
| Bridge over East Fork of Fishing River, on center of S. head wall; chiseled square | 888.21 959.2 |
| T-rd. N.; surface of rd. | |
| T. 53 N., R. 29 W., E. sixteenth cor. between secs. 19 and 30, 18 ft. N. and 57 ft. E. from T-rd. E., in root on S. side of 4 1/2-in. elm tree; copper nail and washer | 1,013.72 |
| T. 53 N., R. 29 W., in NW 1/4 sec. 30, 36 ft. N. and 5 ft. E. from T-rd. S. on Clay-Ray county line, 4 1/2 ft. E. of fence corner, in concrete post; standard tablet stamped "452 C W A 1934" | 976.758 |
| T. 53 N., R. 30 W., in NE 1/4 sec. 24, 250 ft. S. of Chicago, Burlington & Quincy R.R., 160 ft. S. of rd. fork E., on center of W. head wall of concrete culvert; chiseled square | 1,024.28 |
| 8. FROM SEC. 13, T. 53 N., R. 28 W., NORTH ALONG STATE HIGHWAY 13 TO SEC. 15, T. 54 N., R. 28 W. (by B. A. Barnes in 1936) | |
| T. 53 N., R. 28 W., in SW 1/4 sec. 13, 170 ft. N. of private lane W., 15 ft. E. of highway, on center of E. head wall of concrete culvert; chiseled square | 900.89 956.9 |
| Crossroad; surface of rd. Knoxville, 2.7 mi. SE. of, 57 ft. N. and 50 ft. E. from junction of private rd. E., in concrete post; standard tablet stamped "1027 C W A 1934" | 937.621 |
| Knoxville, about 1.6 mi. SE. of, 12 ft. S. and 22 ft. E. from crossroad, on center of S. head wall of concrete culvert; chiseled square | 963.46 969.0 |
| Junction of rd. W.; surface of highway Crossroad, 27 ft. S. and 2 1/2 ft. E. from, on center of S. head wall of concrete culvert; chiseled square | 954.03 |
| Knoxville, at S. limits of, 18 ft. N. and 2 1/2 ft. W. from junction of rd. W., on center of N. head wall of concrete culvert; chiseled square | 964.97 950.9 |
| Junction of rd. W.; surface of highway Knoxville, 0.6 mi. N. of, 31 ft. N. and 7 ft. W. from NE. corner of farmhouse of F. W. Carter, 4 1/2 ft. W. of highway, in concrete post; standard tablet stamped "1028 C W A 1934" | 965.716 |
| T. 54 N., R. 28 W., N. sixteenth cor. between secs. 26 and 27, 20 ft. S. and 30 ft. E. from E.-W. crossroad, on center of S. head wall of concrete culvert; chiseled square | 983.36 |
| Junction of rd. E., NE. of, on top of concrete right-of-way post; painted square | 985.55 |

| | <u>Feet</u> |
|---|-------------|
| T. 54 N., R. 28 W., 182 ft. E. of quarter cor. between secs. 15 and 22, 20 ft. S. and 45 ft. E. from crossroad, on top of concrete right-of-way post; chiseled cross | 987.73 |
| Junction of rd. W.; surface of highway | 988.4 |
| | |
| 9. FROM RICHMOND QUADRANGLE WEST ALONG STATE HIGHWAY 10 TO SEC. 35, T. 52 N., R. 28 W., THENCE SOUTH TO SEC. 4, T. 51 N., R. 28 W., THENCE NORTH TO ATCHISON, TOPEKA & SANTA FE RAILWAY AT POINT 2.1 MILES WEST OF RICHMOND (by B. A. Barnes in 1936) | |
| Richmond, 1.5 mi. W. of, 35 ft. N. and 2 ft. W. from junction of rd. S., 4 ft. N. and 28 ft. E. from fence corner, in concrete post; standard tablet stamped "1024 C W A 1934" | 860.964 |
| Tps. 51 and 52 N., R. 28 W., E. sixteenth cor. between secs. 3 and 34, 240 ft. S. and 12 ft. E. from T-rd. E., on N. end of E. head wall of concrete culvert; chiseled square | 809.68 |
| U.S.C. & G.S. standard disk stamped "L 74 1935" | 816.934 |
| | |
| 10. FROM VIBBARD SOUTH ALONG COUNTY ROUTE M TO SEC. 3, T. 52 N., R. 29 W., THENCE SOUTH ALONG ROADS TO SEC. 3, T. 51 N., R. 29 W. (by F. Y. Brown in 1937) | |
| Atchison, Topeka & Santa Fe Ry. crossing, 210 ft. N. and 25 ft. W. from, near coal mine, on SE. corner of concrete porch floor; chiseled square | 1,051.87 |
| T. 53 N., R. 29 W., near center sec. 34, 30 ft. W. of junction of rd. E., at E. end of fence row, in root on W. side of 10-in. hedge tree; copper nail and washer | 1,074.15 |
| T. 52 N., R. 29 W., N. sixteenth cor. sec. 3, 100 ft. N. and 15 ft. W. from junction of rd. E., on W. end of iron pipe; painted square | 1,035.03 |
| T. 52 N., R. 29 W., near center of S 1/2 sec. 3, 5 mi. E. of Excelsior Springs, 29 ft. N. and 80 ft. W. from junction of State Highway 10 E.-W. and rd. S., 2 ft. W. of telephone pole, in concrete post; standard tablet stamped "T 6 C 1937" | 1,052.539 |
| Junction of private rd. W., 10 ft. S. of, on S. end of small concrete pipe; painted square | 997.18 |
| Small concrete bridge over creek, on N. end at E. side; chiseled square | 929.69 |
| T. 52 N., R. 29 W., near quarter cor. between secs. 10 and 15, 12 ft. S. and 35 ft. W. from T-rd. N., in fence line, in root on W. side of 14-in. black-oak tree; copper nail and washer | 998.29 |
| Steel and concrete bridge over creek, on E. end of N. abutment; chiseled square | 921.66 |
| Concrete culvert, on center of E. head wall; chiseled square | 953.28 |
| T. 52 N., R. 29 W., E. sixteenth cor. between secs. 15 and 22, 25 ft. N. and 175 ft. W. from T-rd. S., 25 ft. N. and 68 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T 7 C 1937" | 1,017.977 |
| Reference mark, 180 ft. SE. of tablet, in root on S. side of large elm tree; copper nail and washer | 1,017.51 |
| T. 52 N., R. 29 W., near quarter cor. between secs. 22 and 23, near Odell Church, 10 ft. S. of T-rd. W., on center of E. head wall of concrete culvert; chiseled square | 948.82 |
| T. 52 N., R. 29 W., quarter cor. between secs. 26 and 27, 100 ft. N. and 210 ft. E. from T-rd. N., in root on W. side of 26-in. elm tree; copper nail and washer | 961.79 |
| T. 52 N., R. 29 W., near center sec. 26, 400 ft. N. of rd. forks, at SE. corner of Redbush School, on platform; chiseled square | 927.71 |
| T. 53 N., R. 29 W., 0.2 mi. N. of center sec. 35, 0.8 mi. S. of Redbush School, 25 ft. S. of rd. at E. end of 170 ft. jog in N.-S. rd., 3 ft. N. of NE. corner of barn, in concrete post; standard tablet stamped "T 8 C 1937" | 975.262 |
| T. 52 N., R. 29 W., about 0.2 mi. S. of center sec. 35, 65 ft. N. and 12 ft. E. from rd. forks, on E. end of iron pipe culvert; painted square | 942.97 |
| Rd. corner E.-S., 470 ft. S. and 40 ft. W. from, near small cemetery, at NE. corner of large barn, on foundation; painted square | 972.42 |
| Tps. 51 and 52 N., R. 29 W., near quarter cor. between secs. 3 and 34, 80 ft. S. and 35 ft. W. from T-rd. S., in root on E. side of 18-in. elm tree; copper nail and washer | 939.12 |
| | |
| 11. FROM SEC. 15, T. 52 N., R. 29 W., WEST TO CRESCENT LAKE (by F. Y. Brown in 1937) | |
| T. 52 N., R. 29 W., on line between secs. 15 and 22, 15 ft. S. of rd. at lane NW., on S. end of large iron culvert; painted knob | 902.08 |
| T. 52 N., R. 29 W., in SE 1/4 sec. 16, 2 ft. E. of center of E. side of farmhouse of A. J. Welchel, on rock walk; chiseled square | 822.50 |
| T. 52 N., R. 29 W., near center sec. 16, about 0.5 mi. S. of church, at foot of N. post of gate between two fields; highest point of rock | 918.54 |
| T. 52 N., R. 29 W., in NW 1/4 sec. 16, 45 ft. S. and 85 ft. E. from SE. corner of New Garden Church, 2 ft. S. of SE. corner of churchyard, in concrete post; standard tablet stamped "T 10 C 1937" | 990.322 |
| T. 52 N., R. 29 W., near quarter cor. between secs. 4 and 9, about 1,000 ft. SW. of State Highway 10 at rd. S., on S. corner of S. concrete pier at base of airplane beacon light; painted square | 1,066.47 |
| Pisgah Church, on E. side of, on NE. corner of bottom concrete step; chiseled square | 1,042.77 |
| T. 52 N., R. 29 W.; near quarter cor. between secs. 5 and 8, 410 ft. W. of old State Highway 10 at crossroad, 15 ft. S. of rd., on center of S. head wall of concrete bridge; chiseled square | 941.00 |

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| T. 52 N., R. 29 W., quarter cor. between secs. 7 and 8, 20 ft. S. and 26 ft. E. from crossroads, 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 9 C 1937" | <u>Feet</u> |
| Concrete culvert, at S. edge of golf course, on center of S. head wall; chiseled square | 943.845 |
| T. 52 N., R. 30 W., in sec. 12, 300 ft. E. of T-rd. E., 10 ft. W. of private entrance to farm, 20 ft. S. of rd., on center of W. gatepost; painted square | 919.09 |
| T. 52 N., R. 30 W., about 1,000 ft. S. of quarter cor. between secs. 12 and 13, 50 ft. N. and 50 ft. E. from T-rd. W., in root on NW. side of large elm tree; copper nail and washer | 968.43 |
| T. 52 N., R. 30 W., about 600 ft. W. of quarter cor. between secs. 13 and 14, 25 ft. E. of crossroads, on center of S. head wall of concrete culvert; painted square | 926.84 |
| | 855.38 |

For additional level lines along Atchison, Topeka & Santa Fe Ry. and Chicago, Milwaukee, St. Paul and Pacific R.R., refer to United States Coast and Geodetic Survey second-order lines, St. Joseph to Lexington and Chillicothe to Lawson.

ORRICK QUADRANGLE
(Latitude 39°00'-39°15'; longitude 94°00'-94°15')
Clay, Jackson, Lafayette, and Ray Counties



1. FROM LAWSON QUADRANGLE AT SEC. 10, T. 51 N., R. 29 W., SOUTHEAST AND EAST TO SEC. 14, T. 51 N., R. 29 W., THENCE NORTH AND NORTHEAST INTO LAWSON QUADRANGLE AT SEC. 8, T. 51 N., R. 28 W. (by L. V. Johnson in 1932)
(Continued from Lawson quadrangle; see line 4.)

| | |
|--|---------|
| T. 51 N., R. 29 W., in SE 1/4 sec. 10, 530 ft. E. of rd. fork W., 10 ft. N. of rd., on center of N. head wall of concrete culvert; chiseled square | 759.88 |
| T. 51 N., R. 29 W., near center sec. 14, 30 ft. E. of rd. fork S., N. of E.-W. rd., on N. end of iron pipe culvert; chiseled cross | 721.74 |
| T. 51 N., R. 29 W., about 500 ft. N. of cor. secs. 13, 14, 23, and 24, 22 ft. N. and 10 ft. E. from T-rd. E., on E. end of concrete culvert; chiseled square | 723.58 |
| T. 51 N., R. 29 W., near E. sixteenth cor. between secs. 13 and 24, 40 ft. S. and 28 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 281 B 1932" | 723.905 |
| Reference mark, 9 ft. N. and 10 ft. W. from T-rd. S., on head wall of concrete culvert; chiseled square | 723.76 |
| T. 51 N., Rs. 28 and 29 W., N. sixteenth cor. between secs. 13 and 18, 12 ft. N. and 6 ft. E. from T-rd. W., in root on SW. side of giant elm tree; copper nail and washer | 737.92 |
| T. 51 N., R. 28 W., near center sec. 7, 100 ft. E. of rd. forks, at NE. end of concrete bridge over drain, on concrete wing wall; chiseled square | 754.44 |
| T. 51 N., R. 28 W., near center sec. 8, 34 ft. N. and 29 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 282 B 1932" | 967.675 |
| T. 51 N., R. 28 W., in NE 1/4 sec. 8, 12 ft. W. of T-rd. E., on W. end of 15-in. concrete pipe culvert; chiseled square | 961.76 |

(Continued in Lawson quadrangle; see line 4.)

2. FROM LEXINGTON QUADRANGLE AT SEC. 14, T. 51 N., R. 28 W., SOUTH ALONG COUNTY ROUTE E TO SEC. 23, T. 51 N., R. 28 W., THENCE SOUTHWEST ALONG ATCHISON, TOPEKA & SANTA FE RAILWAY TO SEC. 29, T. 51 N., R. 28 W., THENCE SOUTH ALONG ROAD TO MISSOURI RIVER (by L. V. Johnson in 1932)

(Continued from Lexington quadrangle; see line 1.)

| | <u>Feet</u> |
|--|-------------|
| T. 51 N., R. 28 W., E. sixteenth cor. between secs. 14 and 23, 26 ft. N. and 28 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 285 B 1932" | 834.854 |
| East Camden; in SE 1/4 sec. 23, T. 51 N., R. 28 W., at SE. corner of steel bridge over Lower Town Creek, on concrete wing wall; chiseled square | 705.94 |
| Camden, 0.7 mi. N. of Atchison, Topeka & Santa Fe Ry. sta., on NW. corner of concrete base of semaphore 4162; chiseled square | 713.48 |
| Camden, 300 ft. N. of Atchison, Topeka & Santa Fe Ry. sta., 6 ft. W. of W. rail, in line with SW. end of Wabash Ry. sta., in concrete curb; standard tablet stamped "23 J 1932" | 713.111 |
| Reference mark, 3 ft. W. of SW. corner of building of G. N. McGee Lumber Co., on concrete walk; chiseled square | 713.50 |
| Camden, 0.8 mi. SW. of, about 500 ft. above mine shaft, S. of tracks, on NE. corner of concrete foundation of semaphore 4172; chiseled square | 731.88 |
| Camden, 1.8 mi. SW. of, 150 ft. W. of R.R. at line between secs. 28 and 29, T. 51 N., R. 28 W., 240 ft. W. of rd. crossing, S. of tracks, on concrete base of electric signal box; chiseled square | 734.22 |
| T. 50 N., R. 28 W., N. cor. sec. 4 and 5, 60 ft. NE. of rd. forks, 5 ft. SW. of SW. corner of bridge over drainage ditch, in wooden brace of wing wall; copper nail and washer | 699.41 |
| T. 50 N., R. 28 W., S. sixteenth cor. between secs. 4 and 5, 15 ft. N. and 10 ft. W. from rd. corner, in base of corner fence post; spike U.S.C.E. B.M. designated "66/3" | 700.97 |
| Copper bolt | 697.210 |
| Top of cap | 701.280 |

3. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 32, T. 49 N., R. 30 W., EAST ALONG U.S. HIGHWAY 40 TO SEC. 33, T. 49 N., R. 30 W., THENCE SOUTH ALONG ROAD INTO LONEJACK QUADRANGLE AT SEC. 4, T. 48 N., R. 30 W. (by L. V. Johnson in 1932)

| | |
|--|--------|
| Tps. 48 and 49 N., R. 30 W., near S. cor. secs. 32 and 33, 17 ft. N. and 80 ft. E. from highway at fence N., on N. head wall of concrete culvert; chiseled square | 851.33 |
| Tps. 48 and 49 N., R. 30 W., 400 ft. N. of E. sixteenth cor. between secs. 4 and 33, 35 ft. S. and 15 ft. E. from T-rd. S., on E. end of tile culvert; chiseled square | 802.64 |

(Continued in Lonejack quadrangle; see line 1.)

4. FROM LONEJACK QUADRANGLE NEAR OAK GROVE NORTH ALONG JACKSON COUNTY HIGHWAY 24-E AND OTHER ROADS TO SEC. 20, T. 50 N., R. 29 W., THENCE WEST ALONG ROADS INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 29, T. 50 N., R. 30 W. (by L. V. Johnson in 1932)

(Continued from Lonejack quadrangle; see line 1.)

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|--|---------|
| Oak Grove, at S. limits of, 28 ft. S. and 37 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "262 B 1932" | 856.228 |
| Reference mark, 15 ft. N. of junction, on N. end of head wall of concrete culvert; chiseled square | 854.25 |
| Oak Grove, 0.7 mi. N. of, 0.2 mi. S. of cor. secs. 28, 29, 32, and 33, T. 49 N., R. 29 W., 45 ft. N. and 37 ft. W. from junction of U.S. Highway 40, 9 ft. W. of stop sign, on W. end of 24-in. concrete pipe culvert; chiseled square | 832.84 |
| T. 49 N., R. 29 W., quarter cor. between secs. 28 and 29, 70 ft. S. and 20 ft. W. from junction of rd. W., in root on E. side of twin elm tree; copper nail and washer | 795.78 |
| T. 49 N., R. 29 W., cor. secs. 16, 17, 20, and 21, 18 ft. S. and 29 ft. W. from junction of rd. E., in concrete post; standard tablet stamped "T T 263 B 1932" | 785.102 |
| T. 49 N., R. 29 W., cor. secs. 8, 9, 16, and 17, 15 ft. S. and 15 ft. E. from crossroad, on E. head wall of concrete culvert; chiseled square | 805.75 |
| T. 49 N., R. 29 W., center of NW 1/4 sec. 9, 10 ft. S. and 10 ft. E. from T-rd. N., on S. end of iron pipe culvert; chiseled cross | 824.32 |
| T. 49 N., R. 29 W., about 1,000 ft. W. of center of sec. 4, 20 ft. S. and 21 ft. W. from rd. corner S.-E., in concrete post; standard tablet stamped "T T 264 B 1932" | 853.377 |
| Tps. 49 and 50 N., R. 29 W., near quarter cor. between secs. 4 and 33, 4 ft. S. and 35 ft. E. from T-rd. S., in root on N. side of 20-in. elm tree; copper nail and washer | 814.82 |
| Tps. 49 and 50 N., R. 29 W., quarter cor. between secs. 5 and 32, 600 ft. N. of junction of rd. E., 18 ft. W. of highway, on W. head wall of concrete culvert; chiseled square | 852.19 |
| T. 50 N., R. 29 W., quarter cor. between secs. 29 and 32, 55 ft. N. and 22 ft. W. from junction of rd. E., on W. head wall of culvert; chiseled square | 830.84 |

| | <u>Feet</u> |
|---|-------------|
| T. 50 N., R. 29 W., quarter cor. between secs. 20 and 29, 18 ft. N. and 64 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 265 B 1932" | 800.195 |
| Reference mark, SE. of crossroad, on S. end of 24-in. concrete pipe culvert; chiseled square | 799.77 |
| T. 50 N., Rs. 29 and 30 W., cor. secs. 19, 24, 25, and 30, 18 ft. S. and 18 ft. E. from T-rd. E., on concrete foundation of corner fence post; chiseled square | 779.27 |
| T. 50 N., Rs. 29 and 30 W., quarter cor. between secs. 25 and 30, 21 ft. S. and 15 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 266 B 1932" | 740.640 |
| T. 50 N., R. 30 W., quarter cor. between secs. 25 and 26, SW. of crossroads, on head wall of concrete culvert; chiseled square | 811.68 |
| T. 50 N., R. 30 W., quarter cor. between secs. 26 and 27, 20 ft. N. and 20 ft. W. from crossroads, on head wall of concrete culvert; chiseled square | 885.47 |
| T. 50 N., R. 30 W., quarter cor. between secs. 27 and 28, 28 ft. S. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 267 B 1932" | 781.582 |
| Reference mark, 330 ft. E. of crossroads, 10 ft. S. of rd., on S. head wall of culvert; chiseled square | 774.95 |
| T. 50 N., R. 30 W., quarter cor. between secs. 21 and 28, about 200 ft. E. of T-rd. N., at center of steel bridge over drain, on southernmost tip of concrete pier; chiseled square | 733.45 |
| T. 50 N., R. 30 W., center of NW 1/4 sec. 29, 20 ft. N. and 29 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 257 B 1932" | 784.279 |
| Reference mark, 5 ft. E. of tablet, on head wall of concrete culvert; chiseled square | 784.87 |
| 5. FROM OAK GROVE EAST TO SEC. 31, T. 49 N., R. 28 W., THENCE EAST ALONG U.S. HIGHWAY 40 TO SEC. 33, T. 49 N., R. 28 W., THENCE NORTH ALONG ROADS INTO LEXINGTON QUADRANGLE AT SEC. 33, T. 50 N., R. 28 W. (by L. V. Johnson in 1932) | |
| Oak Grove, 1 mi. E. of, cor. secs. 3, 4, 33, and 34, Tps. 48 and 49 N., R. 29 W., 350 ft. W. of end of pavement at Jackson-Lafayette county line, 20 ft. N. of highway, on N. end of concrete head wall of culvert; chiseled square | 784.91 |
| Tps. 48 and 49 N., R. 29 W., quarter cor. between secs. 3 and 34, 11 ft. N. and 15 ft. E. from T-rd. N., 11 ft. N. and 11 ft. W. from T-rd. S., on head wall of concrete culvert; chiseled square | 837.16 |
| Bates City, in SW. part of, 20 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 269 B 1932" | 880.137 |
| Reference mark, 40 ft. S. of tablet, in root on NE. side of elm tree; copper nail and washer | 881.10 |
| Tps. 48 and 49 N., Rs. 28 and 29 W., cor. of, 20 ft. N. and 15 ft. E. from T-rd. W., on E. head wall of concrete culvert; chiseled square | 791.74 |
| T. 49 N., Rs. 28 and 29 W., quarter cor. between secs. 31 and 36, 20 ft. S. and 14 ft. W. from crossroad, on W. end of 18-in. concrete culvert; chiseled square | 837.27 |
| T. 49 N., R. 28 W., about 650 ft. E. of quarter cor. between secs. 31 and 32, at SW. corner of bridge over Little Sni A Bar Creek, on concrete wing wall; chiseled square | 750.23 |
| T. 49 N., R. 28 W., center sec. 33, 54 ft. N. and 30 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 270 B 1932" | 837.904 |
| Reference mark, NE. of crossroad, on head wall of concrete culvert; chiseled square | 838.70 |
| T. 49 N., R. 28 W., center sec. 28, 40 ft. S. and 10 ft. W. from crossroad, on W. end of iron pipe culvert; chiseled cross | 773.37 |
| T. 49 N., R. 28 W., near quarter cor. between secs. 21 and 28, at SW. corner of highway bridge over Owl Creek, on concrete wing wall; chiseled square | 737.38 |
| T. 49 N., R. 28 W., quarter cor. between secs. 16 and 21, 30 ft. N. and 13 ft. W. from junction of rd. E., in root on E. side of 18-in. walnut tree; copper nail and washer | 818.52 |
| T. 49 N., R. 28 W., in NW 1/4 sec. 16, 50 ft. N. and 14 ft. W. from junction of rd. E., 18 ft. N. of rd., in concrete post; standard tablet stamped "T T 271 B 1932" | 717.913 |
| T. 49 N., R. 28 W., quarter cor. between secs. 8 and 17, 300 ft. N. of T-rd. W., 15 ft. W. of rd., on center of head wall of concrete culvert; chiseled square | 737.35 |
| T. 49 N., R. 28 W., quarter cor. between secs. 5 and 8, 14 ft. S. and 65 ft. E. from T-rd. S., in base of transmission-line pole; spike | 796.91 |
| T. 49 N., R. 28 W., W. sixteenth cor. between secs. 4 and 9, 15 ft. N. and 15 ft. W. from T-rd. N., on W. end of iron pipe culvert; chiseled cross | 769.25 |
| Tps. 49 and 50 N., R. 28 W., W. sixteenth cor. between secs. 4 and 33, 15 ft. W. of rd., on center of head wall of concrete culvert; chiseled square | 705.63 |
| T. 50 N., R. 28 W., N. sixteenth cor. sec. 33, 18 ft. S. and 17 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 272 B 1932" | 723.582 |

(Continued in Lexington quadrangle; see line 2.)

6. FROM LEXINGTON QUADRANGLE WEST ALONG U.S. HIGHWAY 24 TO LEVASY
(by L. V. Johnson in 1932)

| | <u>Feet</u> |
|---|-------------|
| Wellington, 1.7 mi. W. of, at top of hill, 20 ft. S. and 10 ft. W. from highway, in line with private rd. S. to dwelling of T. Osthoft, on W. end of 18-in. concrete culvert; chiseled square | 873.46 |
| Waterloo, 150 ft. E. of crossroad, 17 ft. S. of highway, on head wall of concrete culvert; chiseled square | 703.36 |
| Napoleon, 0.8 mi. E. of, 24 ft. N. of highway, on E. end of head wall of concrete culvert at large drainage ditch; chiseled square | 709.11 |
| Napoleon, 101 ft. SW. of Missouri Pacific R.R. sta., 33 ft. N. of highway, 46 ft. NE. of NE. corner of bridge, in concrete post; standard tablet stamped "T T 273 B 1932" | 708.401 |
| Reference mark, about 50 ft. SW. of tablet, on NE. corner of concrete railing; chiseled square | 714.45 |
| Napoleon, 0.8 mi. W. of, along Missouri Pacific R.R., at NW. corner of wooden trestle 162, in wooden bulkhead; copper nail and washer | 719.76 |
| Levasy, 1.4 mi. E. of, in NW 1/4 sec. 21, T. 50 N., R. 29 W., about 0.2 mi. W. of Jackson-Lafayette county line, at SW. corner of concrete bridge over drainage ditch, on concrete wing wall; chiseled square | 710.70 |
| Levasy, at S. edge of, 45 ft. S. and 90 ft. E. from junction of Jackson County Highway 24-E, on head wall of concrete culvert; chiseled square | 706.36 |

7. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 31, T. 51 N.,
R. 30 W., SOUTH TO SEC. 17, T. 50' N., R. 30 W.
(by L. V. Johnson in 1932)
(Continued from Independence No. 3 quadrangle;
see line 7.)

| | |
|--|--------|
| Tps. 50 and 51 N., R. 30 W., cor. secs. 5, 6, 31, and 32, 130 ft. E. of T-rd. S., at center of S. side of bridge over drain, on concrete head wall; chiseled square | 789.92 |
| (For balance in Independence No. 3 quadrangle, see line 7.) | |
| T. 50 N., R. 30 W., 0.2 mi. E. of cor. secs. 17, 18, 19, and 20, 65 ft. N. and 15 ft. W. from U.S. Highway 24 at crossroad, on W. concrete head wall of culvert; chiseled square | 788.50 |

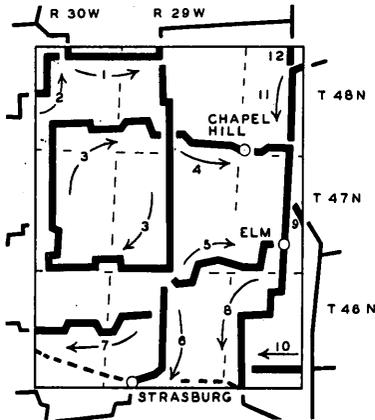
8. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 17, T. 49 N.,
R. 30 W., EAST TO SEC. 16, T. 49 N., R. 29 W.
(by C. T. Shepherd in 1934)

| | |
|---|---------|
| T. 49 N., R. 30 W., W. sixteenth cor. between secs. 10 and 15, 12 ft. N. and 20 ft. E. from Dillingham Road at junction of rd. W., 4 ft. inside pasture fence, in concrete post; standard tablet stamped "202 C W A 1934" | 959.329 |
| Reference mark, 48 ft. SW. of tablet, in base of transmission-line pole; casting | 956.76 |
| T. 49 N., R. 29 W., 70 ft. S. and 22 ft. W. from W. sixteenth cor. between secs. 11 and 14, near center of T-rd., in root of 24-in. maple tree; copper nail and washer | 922.39 |
| T. 49 N., R. 29 and 30 W., cor. secs. 7, 12, 13, and 18, 27 ft. S. and 34 ft. E. from Spring Branch Road at crossroad, in concrete post; standard tablet stamped "201 C W A 1934" | 846.839 |
| Reference mark, 20 ft. NW. of tablet, on S. head wall of culvert; chiseled square | 845.57 |

For an additional level line along south bank of Missouri River, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City.

LONEJACK QUADRANGLE
(Latitude $38^{\circ}45' - 39^{\circ}00'$; longitude $94^{\circ}00' - 94^{\circ}15'$)

Cass, Jackson, Johnson, and Lafayette Counties



1. FROM ORRICK QUADRANGLE AT SEC. 4, T. 48 N., R. 30 W., EAST INTO ORRICK QUADRANGLE AT SEC. 5, T. 48 N., R. 29 W.
(by L. V. Johnson in 1932)
(Continued from Orrick quadrangle; see line 3.)

| | |
|---|------------------------|
| T. 48 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 29 ft. S. and 23 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 260 B 1932" | <u>Feet</u> 952.160 |
| Reference mark, 400 ft. E. of crossroads, on center of N. concrete head wall of culvert over drain; chiseled square | 920.98 |
| T. 48 N., R. 30 W., W. sixteenth cor. between secs. 3 and 10, 10 ft. N. and 30 ft. E. from center of T-rd. S., on center of N. concrete head wall of culvert; chiseled square | 888.48 |
| T. 48 N., R. 30 W., E. sixteenth cor. between secs. 2 and 11, 370 ft. W. of T-rd. W., 16 ft. N. of rd., on top of concrete head wall of culvert; chiseled square | 815.01 |
| T. 48 N., R. 30 W., E. sixteenth cor. sec. 2, 180 ft. S. and 16 ft. E. from center of T-rd. E., on E. concrete head wall of culvert; chiseled square | 798.02 |
| T. 48 N., R. 30 W., W. sixteenth cor. sec. 1, 43 ft. S. and 18 ft. W. from T-rd. S., W. of bridge over creek, in concrete post; standard tablet stamped "T T 261 B 1932" | 776.564 |
| T. 48 N., R. 29 W., W. sixteenth cor. sec. 6, 15 ft. N. and 30 ft. W. from crossroads, on W. end of iron pipe culvert; chiseled cross | 840.06 |
| T. 48 N., R. 29 W., in NW 1/4 SW 1/4 sec. 5, 15 ft. S. of rd. fork NE., on S. concrete head wall of culvert; chiseled square | 967.80 |

(Continued in Orrick quadrangle; see line 4.)

2. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 20, T. 48 N., R. 30 W., NORTHEAST TO SEC. 9, T. 48 N., R. 30 W.
(by S. B. Scott in 1934)
(Continued from Harrisonville No. 2 quadrangle; see line 5.)

| | |
|---|---------|
| T. 48 N., R. 30 W., E. sixteenth cor. sec. 17, 24 ft. N. and 21 ft. E. from T-rd. E., 1 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 4 K 1933" | 978.354 |
| Reference mark, 0.2 mi. N. of tablet, W. of rd., in root of 24-in. maple tree; copper nail and washer | 964.62 |
| T. 48 N., R. 30 W., E. sixteenth cor. sec. 8, 25 ft. S. and 15 ft. W. from T-rd. S., on rock ledge; chiseled square | 895.94 |
| T. 48 N., R. 30 W., 300 ft. S. of center of NW 1/4 sec. 9, on NE. corner of overflow crossing; chiseled square | 884.56 |

3. FROM ORRICK QUADRANGLE AT SEC. 5, T. 48 N., R. 29 W., SOUTH TO SEC. 33, T. 47 N., R. 29 W., THENCE WEST TO SEC. 33, T. 47 N., R. 30 W., THENCE NORTH TO SEC. 28, T. 48 N., R. 30 W., THENCE EAST TO SEC. 29, T. 48 N., R. 29 W. (by H. B. Scott in 1934)

| | |
|--|--------|
| Oak Grove, 1 mi. S. of, near junction of rd. W., W. of Jackson County Highway 24-E, on W. head wall of concrete culvert; chiseled square | 904.83 |
| Oak Grove, 2.4 mi. S. of, 15 ft. E. of Jackson County Highway 24-E, on rock ledge; chiseled square | 975.50 |
| Oak Grove, 2.9 mi. S. of, along Jackson County Highway 24-E, on W. head wall of concrete culvert; chiseled square | 930.66 |

| | <u>Feet</u> |
|---|-------------|
| Oak Grove, ¼ mi. S. of, along Jackson County Highway 24-E, on NW. corner of N. abutment of bridge over Sni A Bar Creek; chiseled square | 840.75 |
| T. 48 N., R. 29 W., cor. secs. 28, 29, 32, and 33, 20 ft. S. and 385 ft. E. from, 5 ft. N. of right-of-way fence, on Faulkenberry property, 250 ft. S. and 80 ft. E. from SE. corner of barn, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,022.735 |
| Reference mark, 100 ft. W. of junction of Jackson County Highways 8-S NW. and 24-E S., on S. head wall of concrete culvert; chiseled square | 1,011.34 |
| T. 48 N., R. 29 W., about 0.2 mi. S. of N. cor. secs. 32 and 33, W. of Jackson County Highway 24-E, 75 ft. S. and 37 ft. E. from SE. corner of Crossider dwelling, 2 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 994.294 |
| T. 48 N., R. 29 W., S. cor. secs. 32 and 33, 1.1 mi. S. of junction of Jackson County Highways 8-S and 24-E, at crossroad, on E. head wall of concrete culvert; chiseled square | 872.39 |
| T. 47 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 60 ft. N. and 34 ft. W. from, 4 ft. W. of W. right-of-way fence of Jackson County Highway 24-E, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 902.035 |
| T. 47 N., R. 29 W., N. sixteenth cor. between secs. 8 and 9, 380 ft. S. and 42 ft. E. from, 22 ft. E. of E. edge of pavement of Jackson County Highway 24-E, 1 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 890.426 |
| T. 47 N., R. 29 W., N. sixteenth cor. between secs. 16 and 17, 75 ft. S. and 40 ft. E. from Jackson County Highway 24-E at junction of rd. E., in root of 18-in. elm tree; copper nail and washer | 1,000.89 |
| T. 47 N., R. 29 W., cor. secs. 16, 17, 20, and 21, 10 ft. S. and 47 ft. E. from, 47 ft. E. of Jackson County Highway 24-E, 7 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,011.145 |
| Reference mark, 70 ft. N. of tablet, on E. edge of highway; chiseled square | 1,010.75 |
| T. 47 N., R. 29 W., quarter cor. between secs. 20 and 21, 194 ft. N. and 54 ft. E. from junction of U.S. Highway 50 and Jackson County Highway 24-E, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 991.354 |
| Reference mark, 300 ft. N. and 445 ft. W. from tablet, on E. edge of highway; chiseled square | 996.22 |
| T. 47 N., R. 29 W., S. sixteenth cor. between secs. 28 and 29, 40 ft. S. and 30 ft. E. from crossroad, in root of elm tree; copper nail and washer | 966.72 |
| T. 47 N., R. 29 W., S. quarter cor. sec. 32, 30 ft. S. and 800 ft. W. from, 30 ft. S. of Cass-Jackson county line, in root of 30-in. locust tree; copper nail and washer | 946.75 |
| T. 47 N., R. 29 W., S. quarter cor. sec. 31, 30 ft. S. and 80 ft. W. from, 30 ft. S. of Cass-Jackson county line, in root of 36-in. elm tree; copper nail and washer | 1,006.30 |
| T. 47 N., Rs. 29 and 30 W., quarter cor. between secs. 31 and 36, 23 ft. S. and 33 ft. W. from Jackson County Highway 22-E at rd. W., 5 ft. S. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 986.330 |
| Reference mark, 100 ft. W. of tablet, S. of rd., in fence post; copper nail and washer | 987.82 |
| T. 47 N., R. 30 W., S. sixteenth cor. between secs. 35 and 36, 25 ft. S. and 250 ft. E. from, in root of twin 30-in. elm tree; copper nail and washer | 946.89 |
| T. 47 N., R. 30 W., W. sixteenth cor. on S. line sec. 35, 40 ft. N. and 210 ft. E. from, on Cass-Jackson county line, 30 ft. E. of farm entrance N., in root of 24-in. hackberry tree; copper nail and washer | 899.58 |
| Reference mark, 180 ft. SE. of tablet, in root of 10-in. elm tree; copper nail | 1,024.30 |
| T. 46 N., R. 30 W., N. cor. secs. 3 and 4, 25 ft. N. and 465 ft. W. from Cass-Jackson county-line rd. at rd. S., 82 ft. SW. of SW. corner of dwelling on land belonging to Thornton Estate, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,026.928 |
| Thornton triangulation sta.; U.S.C. & G.S. limestone post designated "Thornton" | 1,048.599 |
| Reference mark, 56 ft. N. and 250 ft. W. from post, in root of 24-in. hedge stump; copper nail and washer | 1,048.23 |
| T. 47 N., R. 30 W., NW. cor. sec. 33, 185 ft. N. and 12 ft. W. from, at T-rd. S., on W. head wall of concrete culvert; chiseled square | 983.64 |
| T. 47 N., R. 30 W., quarter cor. between secs. 21 and 28, 65 ft. N. and 25 ft. W. from Jackson County Highway 15-S at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 977.099 |
| Reference mark, NE. of tablet, in root of hackberry tree; copper nail and washer | 976.02 |
| T. 47 N., R. 30 W., quarter cor. between secs. 16 and 21, 600 ft. N. and 12 ft. W. from T-rd. E., 0.4 mi. S. of U.S. Highway 50 at Cockrell, on W. head wall of concrete culvert; chiseled square | 978.24 |
| Cockrell, center sec. 16, T. 47 N., R. 30 W., near U.S. Highway at crossroad, in front of brick store, on NW. corner of concrete walk; chiseled square | 1,008.42 |
| T. 47 N., R. 30 W., near center of SE 1/4 sec. 9, on E. head wall of concrete culvert; chiseled square | 1,007.33 |
| T. 47 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 25 ft. S. and 24 ft. E. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 993.452 |
| Reference mark, 249 ft. NW. of tablet, W. of rd., at junction of fence W., in fence line; top of iron pipe | 999.81 |
| T. 47 N., R. 30 W., N. quarter cor. sec. 4, 480 ft. S. and 20 ft. E. from, in base of 10-in. wild-cherry tree; copper nail and washer | 1,000.86 |
| T. 48 N., R. 30 W., center sec. 33, 240 ft. N. and 25 ft. E. from, on SW. corner of concrete walk to dwelling; chiseled square | 969.74 |

| | |
|---|-----------------------|
| T. 48 N., R. 30 W., center sec. 28, 15 ft. S. and 200 ft. E. from, 1 mi. W. of Tarsney on Jackson County Highway 8-S, on SW. corner of SW. wing of bridge across Sni A Bar Creek; chiseled square | <u>Feet</u> 834.59 |
| Tarsney, 300 ft. S. and 35 ft. W. from center sec. 27, T. 48 N., R. 30 W., at general store, on SE. corner of porch floor; chiseled square | 962.31 |
| T. 48 N., R. 30 W., near S. sixteenth cor. between secs. 26 and 27, 3/4 ft. N. of Jackson County Highway 8-S, in SE. corner of yard of New Liberty Baptist Church, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 930.067 |
| Reference mark, 110 ft. W. of tablet, in root of 24-in. elm tree; copper nail and washer | 921.74 |
| T. 48 N., R. 30 W., S. sixteenth cor. between secs. 25 and 26, 25 ft. N. and 10 ft. E. from, 25 ft. N. of Jackson County Highway 8-S, in root of twin 10-in. elm tree; copper nail and washer | 892.01 |
| T. 48 N., R. 30 W., near E. quarter cor. sec. 25, on NE. wing of concrete abutment of bridge over Sni A Bar Creek; chiseled square | 814.67 |
| T. 48 N., R. 29 W., in SW 1/4 sec. 29, N. of Jackson County Highway 8-S, near W. end of deep cut, on rock outcrop; chiseled square | 982.14 |

4. FROM SEC. 28, T. 48 N., R. 29 W., EAST TO CHAPEL HILL
(by S. B. Seott in 1934)

| | |
|---|-----------|
| T. 48 N., R. 29 W., on line between secs. 28 and 33, 330 ft. W. of T-rd., in root of 30-in. walnut tree; lead-headed nail and washer | 1,035.45 |
| T. 48 N., R. 29 W., N. sixteenth cor. between secs. 33 and 34, 30 ft. S. and 876 ft. W. from, 125 ft. S. of SE. corner of dwelling of Sam Davis, 10 ft. S. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,020.995 |
| T. 48 N., R. 29 W., N. sixteenth cor. between secs. 33 and 34, 25 ft. S. and 500 ft. E. from, 100 ft. S. and 50 ft. W. from SE. corner of dwelling of T. T. Johnson, 45 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,022.500 |
| T. 48 N., R. 29 W., 300 ft. E. of N. sixteenth cor. sec. 34, 100 ft. SE. (?) of SE. corner of J. Grady's farmhouse, 15 ft. N. of E.-W. rd., in concrete base of corner fence post; monel rivet | 1,003.23 |
| T. 48 N., R. 29 W., 160 ft. W. of N. sixteenth cor. between secs. 34 and 35, 15 ft. S. of E.-W. rd., 5 ft. N. of E.-W. fence, in root of 30-in. oak tree; lead-headed nail and washer | 1,046.24 |
| T. 48 N., R. 29 W., 12 ft. SE. of center of NW 1/4 sec. 35, 3 ft. E. of N.-S. rd., in center of E. head wall of concrete culvert; monel rivet | 1,034.99 |
| T. 48 N., R. 29 W., 700 ft. W. of center sec. 35, 10 ft. S. of E.-W. rd., in W. end of S. head wall of concrete culvert; monel rivet | 1,007.48 |
| T. 48 N., R. 29 W., near E. sixteenth cor. sec. 35, across rd. from Shore Cemetery, 6 ft. S. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,037.611 |
| T. 48 N., R. 29 W., quarter cor. between secs. 35 and 36, 30 ft. S. and 60 ft. W. from, 30 ft. S. of E.-W. rd., 8 ft. S. of E.-W. fence, in root of 18-in. red-oak tree; lead-headed nail and washer | 1,005.72 |
| T. 48 N., R. 29 W., 65 ft. NE. of SW. cor. sec. 36, 60 ft. N. of Johnson-Lafayette county line, in root on S. side of 24-in. mulberry tree; lead-headed nail and washer | 1,066.25 |
| T. 48 N., R. 29 W., 500 ft. E. of S. quarter cor. sec. 36, 12 ft. S. of E.-W. rd. on Johnson-Lafayette county line, in S. concrete head wall of iron pipe culvert; monel rivet | 1,056.53 |
| Chapel Hill triangulation sta.; U.S.C. & G.S. standard disk designated "Chapel Hill" | 1,080.863 |

5. FROM SEC. 33, T. 47 N., R. 29 W., EAST TO ELM
(by C. T. Shepherd in 1934)

| | |
|--|----------|
| T. 47 N., R. 29 W., on line between secs. 32 and 33, about 0.4 mi. N. of Cass-Jackson county line, 18 ft. E. of rd., 2 ft. inside right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 978.224 |
| T. 46 N., R. 29 W., near center of SW 1/4 sec. 4, 12 ft. W. of T-rd. E., in W. end of culvert; copper nail and washer | 897.99 |
| T. 46 N., R. 29 W., center of SW 1/4 sec. 3, 10 ft. N. and 15 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled square | 903.81 |
| T. 46 N., R. 29 W., N. sixteenth cor. between secs. 2 and 3, 30 ft. N. and 15 ft. E. from crossroads, on concrete base of corner fence post; chiseled square | 1,015.98 |
| T. 47 N., R. 29 W., quarter cor. between secs. 34 and 35, 15 ft. N. and 10 ft. E. from T-rd. E., in root on W. side of 8-in. elm tree; nail | 1,009.76 |
| T. 47 N., R. 29 W., quarter cor. between secs. 35 and 36, at bridge, on W. end of N. handrail; chiseled cross | 893.09 |
| T. 47 N., R. 28 W., W. sixteenth cor. sec. 31, 75 ft. S. and 9 ft. E. from T-rd. S., on E. head wall of concrete culvert; chiseled square | 866.84 |
| Elm, 1 mi. S. of, quarter cor. between secs. 31 and 32, T. 47 N., R. 28 W., 45 ft. W. of W. end of bridge, 30 ft. S. of rd., on E. head wall of culvert; chiseled cross | 829.90 |
| Elm, 20 ft. N. of U.S. Highway 50, 18 ft. E. of N.-S. rd., on E. head wall of culvert; chiseled square | 894.91 |
| T. 47 N., R. 28 W., on line between secs. 28 and 29, 1 mi. E. of Elm, 42 ft. S. and 25 ft. W. from U.S. Highway 50 at crossroad, on land of Aren Brooks, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 233 C W A 1934" | 870.710 |

6. FROM SEC. 33, T. 47 N., R. 29 W., SOUTH THROUGH STRASBURG INTO GARDEN CITY QUADRANGLE AT SEC. 31, T. 46 N., R. 29 W. (by C. T. Shepherd in 1934)

| | <u>Feet</u> |
|--|-------------|
| T. 46 N., R. 29 W., in W 1/2 sec. 4, 0.3 mi. S. of Cass-Jackson county line, 150 ft. N. of farmhouse of Iva Stewart, in root of walnut tree; copper nail and washer | 947.39 |
| T. 46 N., R. 29 W., E. sixteenth cor. between secs. 8 and 17, 20 ft. N. of T-rd. N., 2 ft. N. and 2 ft. E. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 878.951 |
| Reference mark, 84 ft. N. of tablet, on S. end of E. abutment of culvert; chiseled square | 879.70 |
| T. 46 N., R. 29 W., N. sixteenth cor. between secs. 16 and 17, on concrete base of corner fence post; chiseled square | 873.24 |
| T. 46 N., R. 29 W., W. quarter cor. sec. 28, on SW. retaining wall of culvert; chiseled square | 837.72 |
| T. 46 N., R. 29 W., near cor. secs. 28, 29, 32, and 33, 35 ft. N. of State Highway 58, 40 ft. S. of Missouri Pacific R.R., 30 ft. NW. of W. head wall of culvert, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 866.260 |
| Reference mark, S. of R.R., on E. head wall of culvert; chiseled square | 866.15 |
| Strasburg, N. of State Highway 58, across street from Farmers Bank, on concrete culvert; chiseled square | 844.36 |

(Continued in Garden City quadrangle; see line 2.)

7. FROM SEC. 8, T. 46 N., R. 29 W., WEST INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 16, T. 46 N., R. 30 W. (by C. T. Shepherd in 1934)

| | |
|--|---------|
| T. 46 N., R. 29 W., W. sixteenth cor. between secs. 7 and 18, 30 ft. S. and 20 ft. W. from T-rd. S., in root of 8-in. hedge tree; copper nail and washer | 935.88 |
| T. 46 N., R. 30 W., E. cor. secs. 12 and 13, 60 ft. S. and 42 ft. W. from rd. at fence W., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 894.761 |
| Reference mark, 67 ft. E. of tablet, on N. head wall of culvert; chiseled square | 890.91 |
| T. 46 N., R. 30 W., SE. cor. sec. 13, 30 ft. N. and 30 ft. W. from T-rd. N., in root of 30-in. elm tree; copper nail and washer | 863.80 |
| T. 46 N., R. 30 W., SW. cor. sec. 13, 70 ft. N. and 20 ft. W. from T-rd. S., in root of 8-in. locust tree; copper nail and washer | 881.66 |
| T. 46 N., R. 30 W., quarter cor. between secs. 14 and 15, 175 ft. S. and 510 ft. E. from, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 929.571 |
| Reference mark, 200 ft. NW. of tablet, in root of 24-in. oak tree; copper nail and washer | 923.86 |
| T. 46 N., R. 30 W., W. sixteenth cor. between secs. 15 and 22, 20 ft. N. and 20 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square | 930.74 |
| T. 46 N., R. 30 W., on S. line sec. 16, 1 mi. E. of State Highway 7, on S. end of W. head wall of concrete culvert; chiseled square | 868.96 |

(Continued in Harrisonville No. 2 quadrangle; see line 7.)

8. FROM CHAPEL HILL EAST TO SEC. 33, T. 48 N., R. 28 W., THENCE SOUTH INTO GARDEN CITY QUADRANGLE AT KINGSVILLE (by C. T. Shepherd in 1934 and R. W. Mattox in 1936)

| | |
|--|----------|
| Chapel Hill, in sec. 36, T. 48 N., R. 29 W., 300 ft. W. of store, at crossroads, in center of E. head wall of concrete culvert; monel rivet | 1,066.32 |
| T. 48 N., R. 28 W., in SE 1/4 sec. 31, at crossroads, in center of head wall of concrete culvert; monel rivet | 907.95 |
| T. 48 N., R. 28 W., 475 ft. W. of center sec. 32, N. of E.-W. rd., in base of elm tree; lead-headed nail and washer | 887.90 |
| T. 48 N., R. 28 W., 175 ft. W. of W. sixteenth cor. sec. 33, 102 ft. S. and 69 ft. W. from dwelling on farm of T. G. Wood, N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 912.226 |
| T. 48 N., R. 28 W., near center sec. 33, N. of rd., near intersection of fences, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 902.936 |
| T. 48 N., R. 28 W., near S. sixteenth cor. sec. 33, at crossroads, in E. head wall of concrete culvert; monel rivet | 886.61 |
| T. 47 N., R. 28 W., in NW 1/4 sec. 4, on E.-W. rd., in center of SW. wing wall of concrete bridge; monel rivet | 838.07 |
| T. 47 N., R. 28 W., 172 ft. N. of S. sixteenth cor. between secs. 8 and 9, 214 ft. N. of dwelling on property of E. G. Landis, E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 906.337 |
| T. 47 N., R. 28 W., 153 ft. N. of cor. secs. 8, 9, 16, and 17, W. of rd., on land of R. H. Rowland, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 904.309 |
| T. 47 N., R. 28 W., on E. line sec. 17, 500 ft. N. of Waltenbarger farmhouse, on E. head wall of concrete culvert; chiseled square | 922.78 |
| T. 47 N., R. 28 W., on E. line sec. 20, 0.7 mi. N. of U.S. Highway 50, in front of Brock farmhouse, on center of SE. wing wall of double concrete culvert; chiseled square | 905.93 |

| | <u>Feet</u> |
|---|-------------|
| T. 47 N., R. 28 W., near quarter cor. between secs. 28 and 29, NE. of U.S. Highway 50 at crossroad; on top of head wall of culvert; chiseled square | 874.62 |
| T. 47 N., R. 28 W., on line between secs. 32 and 33, 0.5 mi. S. of U.S. Highway 50, on top of E. curb of bridge; chiseled square | 856.93 |
| T. 46 N., R. 28 W., in sec. 5, 0.2 mi. W. of farmhouse of Carl Jones, on top of S. head wall of concrete culvert; chiseled square | 923.02 |
| T. 46 N., R. 28 W., 620 ft. W. of S. sixteenth cor. sec. 5, 293 ft. W. of W. end of bridge, S. of rd., on land of James Ford, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 234 C W A 1934" | 833.186 |
| Reference mark, 50 ft. E. of T-rd. N., on S. end of E. abutment of bridge; chiseled square | 810.64 |
| T. 46 N., R. 28 W., in sec. 8, 500 ft. N. of Lincoln School, on E. head wall of culvert; chiseled square | 841.09 |
| T. 46 N., R. 28 W., near quarter cor. between secs. 8 and 17, NE. of crossroads, in SW. corner of yard of James Wallace, in concrete base of corner fence post; monel rivet | 863.63 |
| T. 46 N., R. 28 W., W. sixteenth cor. between secs. 17 and 20, at crossroads, on W. head wall of concrete culvert; chiseled square | 857.52 |
| T. 46 N., R. 28 W., near W. sixteenth cor. between secs. 18 and 19, 34 ft. N. and 25 ft. E. from crossroads, on right-of-way, opposite Seventh Day Adventist Church, in concrete post; standard tablet stamped "T T 235 C W A 1934" | 857.002 |
| Reference mark, at SE. corner of church, on top of foundation stone; chiseled square | 858.70 |
| T. 46 N., R. 28 W., 0.2 mi. S. of W. sixteenth cor. between secs. 19 and 30, E. of rd., on retaining wall; chiseled square | 827.20 |
| T. 46 N., R. 28 W., center of SW 1/4 sec. 30, 500 ft. S. of Baker farmhouse, W. of rd., in notch in hedge post; lead-headed nail and washer | 881.93 |
| Kingsville, 0.3 mi. N. of Missouri Pacific R.R., on E. lower wall of concrete arch; chiseled square | 883.15 |

(Continued in Garden City quadrangle; see line 1.)

9. FROM ODESSA QUADRANGLE AT SEC. 15, T. 47 N., R. 28 W., NORTH-WEST TO SEC. 8, T. 47 N., R. 28 W. (by R. W. Mattox in 1936)
(Continued from Odessa quadrangle; see line 4.)

| | |
|--|--------|
| T. 47 N., R. 28 W., on E. edge sec. 17, on N.-S. rd., 500 ft. N. of Waltenbarger farmhouse, on center of E. head wall of concrete culvert; chiseled square | 922.78 |
|--|--------|

10. FROM ODESSA QUADRANGLE AT SEC. 34, T. 46 N., R. 28 W., WEST TO SEC. 30, T. 46 N., R. 28 W. (by R. W. Mattox in 1936)

| | |
|---|---------|
| Rd. corner N.-W., 20 ft. N. and 20 ft. E. from, in root on S. side of 24-in. elm tree; nails | 821.74 |
| T. 46 N., R. 28 W., quarter cor. between secs. 27 and 34, 20 ft. N. of T-rd. N., in root on N. side of 12-in. wild-cherry tree; copper nail and washer | 839.86 |
| Rd. corner N.-W., 5 ft. S. and 5 ft. W. from, in root on E. side of 12-in. locust tree; nails | 848.98 |
| T. 46 N., R. 28 W., cor. secs. 28, 29, 32, and 33, 670 ft. N. and 45 ft. W. from, 36 ft. S. and 46 ft. E. from T-rd. N., 18 ft. N. of fence, in concrete post; standard tablet stamped "412 C W A 1934" | 851.510 |
| Reference mark, 70 ft. N. of tablet, in root on S. side of 10-in. cedar tree; copper nail and washer | 850.86 |
| T. 46 N., R. 28 W., E. sixteenth cor. between secs. 29 and 32, 15 ft. S. and 15 ft. W. from T-rd. W., in N. side of 12-in. hedge fence post; copper nail and washer | 844.57 |
| T-rd. E., 20 ft. N. and 100 ft. E. from, in root on S. side of 18-in. elm tree; nails | 834.93 |
| T. 46 N., R. 28 W., E. sixteenth cor. sec. 30, 150 ft. S. of T-rd. W., on E. head wall of concrete culvert; chiseled square | 827.20 |

11. FROM ODESSA QUADRANGLE AT SEC. 4, T. 48 N., R. 28 W., SOUTH TO SEC. 33, T. 48 N., R. 28 W. (by C. W. Williams in 1936)
(Continued from Odessa quadrangle; see line 2.)

| | |
|---|---------|
| T. 48 N., R. 28 W., center sec. 4, 36 ft. N. and 20 ft. E. from crossroads, in root on W. side of 45-in. elm tree; copper nail and washer | 786.85 |
| T. 48 N., R. 28 W., on line between secs. 4 and 9, 15 ft. S. and 125 ft. E. from junction of rd. N., 15 ft. S. and 15 ft. W. from junction of rd. S. 6 ft. from telephone pole; iron post stamped "Prim Trav Sta No 22 1914 Mo" | 782.701 |
| Bridge over Little Sni A Bar Creek, on NE. corner; chiseled square | 765.48 |
| T. 48 N., R. 28 W., center sec. 9, 25 ft. N. and 16 ft. W. from T-rd. N., on W. concrete head wall of culvert; chiseled square | 772.70 |
| T. 48 N., R. 28 W., in SW 1/4 sec. 9, 42 ft. N. and 27 ft. W. from T-rd. N., on W. concrete head wall of culvert; chiseled square | 794.04 |
| T. 48 N., R. 28 W., cor. secs. 9, 10, 15, and 16, 12 ft. S. and 52 ft. W. from T-rd. S., on S. concrete head wall of culvert; chiseled square | 823.20 |
| Bridge, on W. rail; chiseled square | 782.52 |
| T. 48 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 32 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "4 W 1936" | 860.914 |

T. 48 N., R. 28 W., cor. secs. 21, 22, 27, and 28, 12 ft. S. and 48 ft. W. from crossroads, on S. concrete head wall of culvert; chiseled square
 T. 48 N., R. 28 W., in NW 1/4 NW 1/4 sec. 28, 28 ft. S. and 33 ft. E. from T-rd. S., on concrete base of corner fence post; chiseled square
 T-rd. E., at NW. corner of bridge, on wing wall; chiseled square
 Junction of rd. S., on E. end of iron culvert; chiseled cross

Feet
 897.56
 906.18
 855.09
 905.54

12. FROM SEC. 4, T. 48 N., R. 28 W., NORTH INTO ORRICK QUADRANGLE AT SEC. 33, T. 49 N., R. 28 W. (by C. W. Williams in 1936)

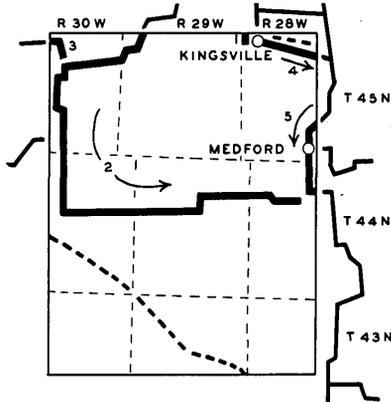
T. 48 N., R. 28 W., center sec. 4, 36 ft. N. and 20 ft. E. from crossroads, in root on W. side of 45-in. elm tree; copper nail and washer

786.85

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill.

GARDEN CITY QUADRANGLE
 (Latitude $38^{\circ}30' - 38^{\circ}45'$; longitude $94^{\circ}00' - 94^{\circ}15'$)

Cass, Henry, and Johnson Counties



1. FROM LONEJACK QUADRANGLE AT KINGSVILLE (by C. T. Shepherd in 1934)
 (Continued from Lonejack quadrangle; see line 8.)

Kingsville, in NW. corner of Missouri Pacific R.R. sta. park, in root of maple tree; lead-headed nail and washer
 Kingsville, State Highway 58 at Maple Street, in concrete post; standard tablet stamped "C W A 1934"
 Reference mark, on SW. corner of walk from Missouri Pacific R.R. sta.; chiseled cross

913.42
 913.936
 914.09

2. FROM LONEJACK QUADRANGLE AT STRASBURG WEST AND SOUTH TO SEC. 4, T. 45 N., R. 30 W., THENCE SOUTH TO SEC. 8, T. 44 N., R. 30 W., THENCE EAST ALONG ROADS AND STATE HIGHWAY 131 TO SEC. 10, T. 44 N., R. 28 W. (by C. T. Shepherd in 1934)
 (Continued from Lonejack quadrangle; see line 6.)

Tps. 45 and 46 N., R. 29 W., E. sixteenth cor. between secs. 6 and 31, near junction of Crook rd., on E. end of culvert; chiseled square
 T. 45 N., R. 30 W., 100 ft. S. of N. sixteenth cor. sec. 1, E. of rd., in root of hedge tree; copper nail and washer
 T. 45 N., R. 30 W., quarter cor. between secs. 1 and 12, 6 ft. S. and 18 ft. E. from, in front yard of dwelling of Dr. J. E. Roberts, 7 ft. NE. of 30-in. locust tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet
 Reference mark, 75 ft. NE. of tablet, in root of maple tree; copper nail and washer
 T. 45 N., R. 30 W., quarter cor. between secs. 2 and 11, 100 ft. W. of Chicago, Rock Island & Pacific Ry., on S. head wall of concrete culvert; chiseled square
 T. 45 N., R. 30 W., cor. secs. 2, 3, 10, and 11, 45 ft. N. and 90 ft. W. from, near crossroads, on SE. corner of church stile; chiseled square
 T. 45 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 18 ft. N. and 24 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet
 Reference mark, 65 ft. SW. of tablet, on W. end of S. head wall of culvert; chiseled square
 T. 45 N., R. 30 W., E. sixteenth cor. between secs. 9 and 16, 25 ft. S. of rd., in base of pole; bolt

828.92
 836.23
 822.361
 824.66
 842.09
 859.16
 856.471
 857.23
 933.70

| | <u>Feet</u> |
|---|-------------------|
| T. 45 N., R. 30 W., quarter cor. between secs. 16 and 21, 30 ft. N. and 30 ft. W. from crossroads, on concrete base of corner fence post; chiseled square | 909.34 |
| T. 45 N., R. 30 W., near NE. cor. sec. 21, 150 ft. S. and 20 ft. W. from T-rd., in root of 18-in. cottonwood tree; copper nail and washer | 916.21 |
| T. 45 N., R. 30 W., cor. secs. 21, 22, 27, and 28, 23 ft. N. and 23 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 860.327 |
| Reference mark, 95 ft. SW. of tablet, in base of telephone pole; spike | 862.30 |
| T. 45 N., R. 30 W., in NW 1/4 sec. 34, 0.5 mi. W. of East Lynne, 12 ft. N. and 15 ft. W. from T-rd.; (mark not described) | 856.04 |
| T. 44 N., R. 30 W., 1.5 mi. N. of cor. secs. 4, 5, 8, and 9, 0.5 mi. N. of County Route C (now State Highway 131), 22 ft. N. and 3 ft. E. from rd. corner E.-S., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 911.745 911.76 |
| Reference mark, 55 ft. SW. of tablet, in base of pole; spike | |
| T. 44 N., R. 30 W., on line between secs. 4 and 5, 40 ft. N. and 20 ft. E. from crossroads, 4 ft. N. of corner of hedge fence, in root of hedge tree; copper nail and washer | 906.09 |
| T. 44 N., R. 30 W., on line between secs. 4 and 5, 15 ft. S. of T-rd. N. (?), in base of telephone pole; spike | 870.74 |
| T. 44 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 29 ft. N. and 20 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 878.804 |
| Reference mark, 40 ft. W. of tablet, on W. abutment of concrete culvert; chiseled square | 879.55 |
| T. 44 N., R. 30 W., SW. cor. sec. 10, 10 ft. N. and 15 ft. W. from crossroads, on N. head wall of culvert; chiseled square | 871.11 |
| T. 44 N., R. 30 W., E. sixteenth cor. between secs. 10 and 15, at gate to Clear Fork Cemetery, in root on N. side of 24-in. cottonwood tree; nail and washer | 879.30 |
| T. 44 N., R. 30 W., cor. secs. 11, 12, 13, and 14, 25 ft. S. and 50 ft. E. from crossroads, in concrete post; standard tablet stamped "264 C W A 1934" | 910.815 911.20 |
| Reference mark, 35 ft. SW. of tablet, in base of telephone pole; spike | |
| T. 44 N., R. 29 and 30 W., cor. secs. 7, 12, 13, and 18, 30 ft. N. and 15 ft. W. from crossroads, on center of W. head wall of concrete culvert; chiseled square | 880.60 |
| T. 44 N., R. 29 W., cor. secs. 7, 8, 17, and 18, 12 ft. S. and 12 ft. W. from crossroads, on S. head wall of concrete culvert; chiseled square | 873.66 |
| T. 44 N., R. 29 W., near W. sixteenth cor. between secs. 9 and 16, 31 ft. S. and 18 ft. W. from crossroads, on land of S. E. Hutchins, in concrete post; standard tablet | 855.331 853.34 |
| Reference mark, 20 ft. N. of tablet, on stone step; chiseled square | |
| T. 44 N., R. 29 W., W. sixteenth cor. between secs. 10 and 15, 125 ft. N. and 30 ft. W. from rd. corner, in root on E. side of 18-in. elm tree; copper nail and washer | 801.60 |
| T. 44 N., R. 29 W., center of SE 1/4 sec. 10, 15 ft. N. and 100 ft. W. from crossroads, in root on E. side of 12-in. oak tree; copper nail and washer | 818.36 |
| Latour, about 0.2 mi. E. of, 30 ft. S. and 20 ft. E. from St. Louis-San Francisco Ry. at State Highway 131, in concrete post; standard tablet stamped "262 C W A 1934" | 780.754 |
| Reference mark, 50 ft. NE. of tablet, in root on S. side of 24-in. maple tree; copper nail and washer | 779.84 |
| Latour, 1.2 mi. E. of St. Louis-San Francisco Ry., 15 ft. N. and 25 ft. E. from rd. junction, on concrete base of corner fence post; chiseled square | 861.06 |
| T. 44 N., R. 29 W., in SW 1/4 sec. 2, 11 ft. N. of W. end of steel bridge over Big Creek drainage ditch, on SW. corner of concrete abutment; chiseled cross within a chiseled square | 791.17 |
| T. 44 N., R. 29 W., approximate center sec. 1, 0.2 mi. NW. of Rose Hill, 18 ft. S. and 18 ft. E. from T-rd. N., on high point of iron pipe culvert; chiseled cross | 861.64 |
| T. 44 N., R. 28 W., center sec. 6, 45 ft. N. and 300 ft. E. from crossroad, about 1 mi. E. of Rose Hill, in yard of dwelling of R. M. Montgomery, in concrete post; standard tablet stamped "261 C W A 1934" | 878.397 |
| Reference mark, 45 ft. W. of tablet, in root of 24-in. maple tree; copper nail and washer | 877.51 |
| T. 44 N., R. 28 W., near center sec. 5, near crossroad, on W. end of S. abutment of bridge; chiseled cross | 808.16 |
| T. 44 N., R. 28 W., in sec. 8, 0.8 mi. S. and 0.3 mi. E. from Scaly Bark School, on S. handrail of bridge; chiseled cross | 800.86 |
| T. 44 N., R. 28 W., in NW 1/4 NE 1/4 sec. 8, 10 ft. S. of W. end of concrete bridge over Scaly Bark Creek, on SW. corner of concrete abutment; chiseled square | 799.18 |
| 3. FROM HARRISONVILLE QUADRANGLE AT SEC. 4, T. 45 N., R. 30 W. (by C. T. Shepherd in 1934) (Continued from Harrisonville quadrangle; see line 1.) | |
| T. 45 N., R. 30 W., in NE 1/4 NE 1/4 sec. 4, 20 ft. S. and 700 ft. W. from rd. forks, in root on N. side of 12-in. locust tree; copper nail and washer | 835.07 |
| 4. FROM KINGSVILLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO HOLDEN QUADRANGLE (by M. H. Blotcky and T. G. Drummond in 1934; rerun by R. W. Mattox in 1936) | |
| Kingsville, between State Highway 58 and R.R., on top of cistern cover; chiseled square | 896.97 |
| Kingsville, 0.8 mi. E. of sta., on head wall of R.R. culvert; chiseled cross | 877.00 |
| Kingsville, 2 mi. E. of, S. of track, on top of concrete base of signal battery box; chiseled square | 842.17 |

| | |
|--|-----------------------|
| Kingsville, 2.6 mi. E. of, 260 ft. NW. of concrete post marked "235 M1.", in concrete post; spike | <u>Feet</u> 833.73 |
| T. 45 N., R. 28 W., in S 1/2 sec. 4, 20 ft. N. and 15 ft. W. from private rd. crossing, in concrete post; standard tablet | 826.220 |
| Holden, 1 mi. W. of, on top of concrete base of sta. sign; chiseled square | 816.16 |

5. FROM HOLDEN QUADRANGLE AT SEC. 22, T. 45 N., R. 28 W., SOUTH
INTO HOLDEN QUADRANGLE AT SEC. 3, T. 44 N., R. 28 W.
(by Charles E. Hunter in 1937)

(Continued from Holden quadrangle; see line 1.)

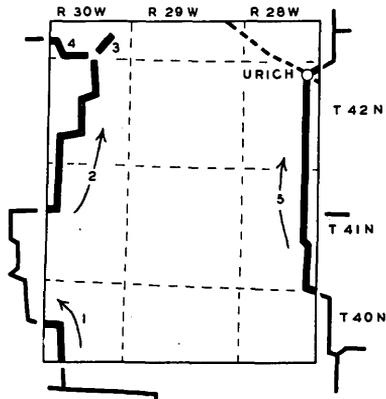
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|--|---------|
| T. 45 N., R. 28 W., S. sixteenth cor. sec. 27, 155 ft. N. and 48 ft. W. from, 45 ft. S. 15° E. of SE. corner of Pleasant View School, in con- crete post; U.S.C. & G.S. and State Survey standard tablet | 882.957 |
| Reference mark, 40 ft. NW. of tablet, on W. side of steps to Pleasant View School; chiseled square | 887.00 |
| Medford, 0.5 mi. N. of, near center sec. 34, T. 45 N., R. 28 W., 30 ft. N. and 30 ft. E. from T-rd. E., on concrete base of N. gatepost of Medford Cemetery; chiseled square | 873.43 |
| Medford, 0.2 mi. N. of, near center of S 1/2 sec. 34, T. 45 N., R. 28 W., on top of concrete head wall of culvert; chiseled square | 851.62 |
| Medford, 0.5 mi. S. of, in NW 1/4 sec. 3, T. 44 N., R. 28 W., 400 ft. S. of T-rd., on top of E. head wall of concrete culvert; chiseled square | 882.61 |
| T. 44 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 80 ft. N. and 33 ft. E. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 867.120 |
| Reference mark, 90 ft. W. of tablet, in root of apple tree; copper nail and washer | 870.71 |

(Continued in Holden quadrangle; see line 1.)

For additional level lines along Missouri Pacific R.R. and St. Louis-
San Francisco Ry., refer to United States Coast and Geodetic Survey
first-order line, Jefferson City to Pleasant Hill; and second-order
line, Council Grove, Kans. to Clinton, Mo.

URICH QUADRANGLE
(Latitude 38°15'-38°30'; longitude 94°00'-94°15')

Bates, Cass, and Henry Counties



1. FROM APPLETON CITY QUADRANGLE AT SEC. 21, T. 40 N., R. 30 W., NORTH AND WEST INTO ADRIAN QUADRANGLE AT SEC. 9, T. 40 N., R. 30 W. (by H. P. Jones in 1934)
(Continued from Appleton City quadrangle; see line 3.)

| | |
|---|-----------------|
| T. 40 N., R. 30 W., cor. secs. 15, 16, 21, and 22, 25 ft. N. and 100 ft. E. from crossroads, 67 ft. S. of center of S. side of Summit School, in concrete post; standard tablet stamped "T T 23 B 1933 957" | Feet 955.943 |
| T. 40 N., R. 30 W., cor. secs. 9, 10, 15, and 16, 15 ft. N. and 35 ft. E. from T-rd. S., in root on S. side of 12-in. hedge tree; copper nail and washer | 923.71 |

(Continued in Adrian quadrangle; see line 1.)

2. FROM ADRIAN QUADRANGLE AT SEC. 16, T. 41 N., R. 30 W., EAST AND NORTH TO SEC. 2, T. 42 N., R. 30 W. (by C. T. Shepherd in 1935)
(Continued from Adrian quadrangle; see line 7.)

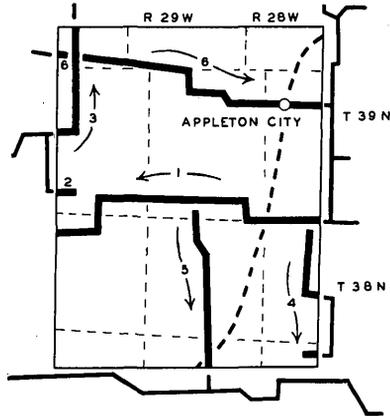
| | |
|---|------------------|
| Concrete bridge; top of SE. wing wall | 838.78 |
| T. 41 N., R. 30 W., cor. secs. 15, 16, 21, and 22, 28 ft. S. and 63 ft. E. from crossroads, 45 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 46 B 1933" | 852.351 |
| T. 41 N., R. 30 W., cor. secs. 9, 10, 15, and 16, 150 ft. N. and 18 ft. W. from crossroads, in root on SE. side of twin hackberry tree; copper nail and washer | 876.99 874.4 |
| Crossroads; surface of rd. | 821.63 |
| T. 41 N., R. 30 W., near cor. secs. 3, 4, 9, and 10, on N. end of W. head wall of concrete culvert; chiseled square | 905.040 |
| Tps. 41 and 42 N., R. 30 W., cor. secs. 3, 4, 33, and 34, about 35 ft. N. and 80 ft. W. from, 34 ft. N. of County Route 2 (now State Highway 18), 103 ft. N. of rd. forks, 30 ft. W. of rd., 5 ft. NW. of fence corner, in concrete post; standard tablet stamped "T T 47 B 1933" | 894.38 |
| Altonia, in NW 1/4 sec. 34, T. 42 N., R. 30 W., 5 ft. E. of SE. corner of school, 85 ft. S. of rock rd., on NE. corner of concrete curb of pump; chiseled square | 837.94 |
| T. 42 N., R. 30 W., in NE 1/4 sec. 34, 20 ft. S. and 40 ft. W. from rd. corner, at NE. corner of barnlot, in root on W. side of twin elm tree; copper nail and washer | 843.57 |
| T. 42 N., R. 30 W., near NE. cor. sec. 27, 25 ft. N. and 50 ft. W. from rd. corner, in root on E. side of 24-in. elm tree; copper nail and washer | 856.423 |
| T. 42 N., R. 30 W., W. sixteenth cor. sec. 23, 30 ft. N. and 42 ft. W. from T-rd. N., in schoolyard, in concrete post; standard tablet stamped "T T 48 B 1933" | 827.70 775.74 |
| T. 42 N., R. 30 W., 0.3 mi. W. of cor. secs. 13, 14, 23, and 24, 13 ft. N. and 2 ft. E. from T-rd. N., on E. end of concrete culvert; chiseled square | 768.57 |
| Bridge over Grand River, on SW. wing wall; (mark not described) | 799.084 |
| T. 42 N., R. 30 W., in SE 1/4 sec. 11, at N. pier of steel bridge over Grand River drainage ditch, on top of E. end of coping; chiseled cross | |
| Tps. 42 and 43 N., R. 30 W., on line between secs. 2 and 35, 75 ft. S. and 22 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 49 B 1933" | |

| | |
|--|-----------------------|
| 3. FROM SEC. 2, T. 42 N., R. 30 W., NORTHEAST TO SEC. 36, T. 43 N., R. 30 W. (single-run unchecked spur line by C. T. Shepherd in 1935) | |
| T. 43 N., R. 30 W., W. sixteenth cor. sec. 36, 8 ft. S. and 18 ft. E. from T-rd. E., on S. head wall of concrete culvert; chiseled square | <u>Feet</u> 879.89 |
| 4. FROM ADRIAN QUADRANGLE AT SEC. 33, T. 43 N., R. 30 W., EAST TO SEC. 2, T. 42 N., R. 30 W. (by C. T. Shepherd in 1935) (Continued from Adrian quadrangle; see line 6.) | |
| T. 43 N., R. 30 W., SE. cor. sec. 33, 16 ft. N. and 90 ft. E. from farm entrance S., in root on N. side of lone 36-in. hedge tree; copper nail and washer | 879.91 |
| T. 42 N., R. 30 W., NW. cor. sec. 2, at SW. column of bridge, on end of angle iron; cross | 775.71 |
| 5. FROM CLINTON QUADRANGLE AT SEC. 34, T. 41 N., R. 28 W., NORTH INTO CLINTON QUADRANGLE AT POINT 0.5 MILE SOUTH OF URICH (by S. T. Tudor in 1936) (Continued from Clinton quadrangle; see line 3.) | |
| T. 41 N., R. 28 W., near center of NE 1/4 sec. 27, 27 ft. N. and 6 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 617 C W A 1934" | 811.578 |
| T. 41 N., R. 28 W., near center of NW 1/4 sec. 27, 130 ft. N. and 130 ft. W. from T-rd. N., in yard of American School, on top of well curb; chiseled square | 821.59 |
| Culvert, on top of W. wing wall; chiseled square | 785.50 |
| Piper, cor. secs. 15, 16, 21, and 22, T. 41 N., R. 28 W., 25 ft. N. and 45 ft. E. from crossroads, on top of SW. corner of concrete porch of store; chiseled square | 803.03 |
| T. 41 N., R. 28 W., cor. secs. 9, 10, 15, and 16, 72 ft. N. and 24 ft. W. from County Route E (now State Highway 18) at crossroad, about 1 mi. N. of Piper, in concrete post; standard tablet stamped "T T 618 C W A 1934" | 826.655 |
| Reference mark, 200 ft. S. of tablet, in root on NE. side of 24-in. elm tree; copper nail and washer | 828.24 |
| Bridge, on top of SW. wing wall; chiseled square | 820.38 |
| T. 41 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 60 ft. N. and 18 ft. W. from crossroads, on top of concrete head wall of culvert; chiseled square | 849.04 |
| T. 41 N., R. 28 W., near N. cor. secs. 3 and 4, 260 ft. S. and 60 ft. E. from T-rd. E., in root on NW. side of 12-in. elm tree; copper nail and washer | 896.30 |
| Top of divide, 35 ft. W. of rd., in root on NE. side of 36-in. maple tree; crossed nails | 922.44 |
| T. 42 N., R. 28 W., near quarter cor. between secs. 33 and 34, 30 ft. N. and 40 ft. E. from crossroads, on top of concrete base of corner fence post; chiseled knob | 910.52 |
| T. 42 N., R. 28 W., cor. secs. 27, 28, 33, and 34, 196 ft. S. and 30 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 435 C W A 1934" | 793.971 |
| T. 42 N., R. 28 W., cor. secs. 21, 22, 27, and 28, 25 ft. S. and 50 ft. E. from crossroads, in root on W. side of 18-in. linden tree; copper nail and washer | 751.78 |
| Bridge over White Oak Creek, on top of W. end of S. abutment; chiseled square | 748.49 |
| T. 42 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 25 ft. S. and 30 ft. W. from T-rd. S., on top of stone anchor to corner fence post; chiseled square | 768.24 |
| T. 42 N., R. 28 W., in NW 1/4 sec. 15, 13 ft. N. of gate at entrance to dwelling of E. F. Sevier, 35 ft. E. of rd., in concrete post; standard tablet stamped "T T 436 C W A 1934" | 756.628 |
| Urich, 0.5 mi. S. of, at bridge over Grand River, on top of W. end of S. abutment; chiseled square | 746.07 |
| Grand River, under bridge; surface of water at 10:30 a.m. Apr. 9, 1936 | 719.7 |
| U.S.C. & G.S. standard disk stamped "X 95 1935" | 751.468 |

(Continued in Clinton quadrangle; see line 3.)

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line; Council Grove, Kans. to Clinton, Mo.

APPLETON CITY QUADRANGLE
 (Latitude 38°00'–38°15'; longitude 94°00'–94°15')
 Bates, Henry, St. Clair, and Vernon Counties



1. FROM CLINTON NO. 3 QUADRANGLE AT SEC. 33, T. 39 N., R. 28 W., WEST AND SOUTH INTO BUTLER NO. 3 QUADRANGLE AT SEC. 17, T. 38 N., R. 30 W. (second-order line by H. P. Jones in 1934) (Continued from Clinton No. 3 quadrangle; see line 1.)

| | <u>Feet</u> |
|---|-------------|
| Tps. 38 and 39 N., R. 28 W., cor. secs. 4, 5, 32, and 33, 20 ft. W. of T-rd. N., 20 ft. E. of T-rd. S., on S. head wall of concrete culvert; chiseled square | 810.13 |
| Tps. 38 and 39 N., R. 28 W., cor. secs. 5, 6, 31, and 32, 15 ft. N. and 25 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled square | 793.89 |
| Tps. 38 and 39 N., Rs. 28 and 29 W., cor. of, at Bates-St. Clair county line, 5 ft. N. and 20 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square | 787.41 |
| Tps. 38 and 39 N., R. 29 W., cor. secs. 1, 2, 35, and 36, 1 mi. W. of Bates-St. Clair county line, 35 ft. S. and 30 ft. E. from T-rd. E., in root of 6-in. walnut tree; copper nail and washer | 791.15 |
| T. 39 N., R. 29 W., about 0.3 mi. S. of cor. secs. 25, 26, 35, and 36, 18 ft. E. of rd., 15 ft. N. of center of iron gate, 3 ft. SW. of SW. corner of farmhouse yard, in concrete post; standard tablet stamped "27 J 1934 802" | 800.126 |
| T. 39 N., R. 29 W., cor. secs. 26, 27, 34, and 35, 20 ft. N. and 10 ft. W. from T-rd. N., on W. head wall of concrete culvert; chiseled square | 746.64 |
| T. 39 N., R. 29 W., near cor. secs. 27, 28, 33, and 34, 200 ft. E. of T-rd. S., 20 ft. N. of rd., in root on S. side of 12-in. hackberry tree; copper nail and washer | 775.64 |
| T. 39 N., R. 29 W., cor. secs. 28, 29, 32, and 33, 36 ft. S. and 29 ft. W. from crossroads, in concrete post; standard tablet stamped "269 C W A 1934 28 J 1934 777" | 775.268 |
| T. 39 N., R. 29 W., near cor. secs. 29, 30, 31, and 32, 310 ft. E. of T-rd. S., on S. head wall of concrete culvert; chiseled square | 780.95 |
| T. 39 N., Rs. 29 and 30 W., cor. secs. 25, 30, 31, and 36, 75 ft. W. of lane N., 20 ft. N. of rd., in root on N. side of 36-in. elm tree; copper nail and washer | 798.44 |
| T. 39 N., R. 30 W., cor. secs. 25, 26, 35, and 36, 20 ft. S. and 42 ft. W. from T-rd. S., in concrete post; standard tablet stamped "265 C W A 1934 29 J 1934 820" | 819.084 |
| T. 39 N., R. 30 W., cor. secs. 26, 27, 34, and 35, 10 ft. N. and 30 ft. W. from T-rd. N., in root on E. side of 10-in. elm tree; copper nail and washer | 833.84 |
| T. 39 N., R. 30 W., cor. secs. 27, 28, 33, and 34, 120 ft. W. of T-rd. S., 40 ft. N. and 20 ft. W. from T-rd. N., in root on E. side of 15-in. elm tree; copper nail and washer | 799.41 |
| T. 39 N., R. 30 W., in SW 1/4 SW 1/4 sec. 34, 22 ft. S. of rd. E., 42 ft. E. of rd. S., 19 ft. E. of rd. N. produced, in concrete post; standard tablet stamped "T T 19 B 1933" | 786.642 |
| T. 38 N., R. 30 W., cor. secs. 3, 4, 9, and 10, 10 ft. N. and 30 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square | 775.19 |
| T. 38 N., R. 30 W., cor. secs. 9, 10, 15, and 16, 115 ft. S. and 20 ft. E. from T-rd. E., in root on W. side of 20-in. locust tree; copper nail and washer | 765.23 |
| Papinsville, about 0.2 mi. E. of Osage River, 81 ft. S. and 22 ft. E. from cross streets, in concrete post; standard tablet stamped "T 18 B 1933 763" | 761.210 |
| T. 38 N., R. 30 W., about 0.2 mi. N. of cor. secs. 16, 17, 20, and 21, about 0.8 mi. W. of bridge over Osage River, 30 ft. E. of rd. S., 45 ft. S. of rd. E., on S. head wall of concrete culvert; chiseled square | 734.17 |

(Continued in Butler No. 3 quadrangle; see line 1.)

| | |
|---|-------------|
| 2. FROM SEC. 33, T. 39 N., R. 30 W., WEST INTO BUTLER NO. 3 QUADRANGLE AT SEC. 29, T. 39 N., R. 30 W. (by H. P. Jones in 1934). | <u>Feet</u> |
| T. 39 N., R. 30 W., 0.3 mi. E. of cor. secs. 28, 29, 32, and 33, 20 ft. N. and 10 ft. E. from T-rd. N., on E. head wall of concrete culvert; chiseled square | 821.58 |
| (Continued in Butler No. 3 quadrangle; see line 3.) | |
| 3. FROM BUTLER NO. 3 QUADRANGLE AT SEC. 8, T. 39 N., R. 30 W., NORTH INTO URICH QUADRANGLE AT SEC. 21, T. 40 N., R. 30 W. (by H. P. Jones in 1934) | |
| (Continued from Butler No. 3 quadrangle; see line 2.) | |
| T. 39 N., R. 30 W., near center sec. 8, 60 ft. S. and 50 ft. E. from rd. corner, 40 ft. N. of farmhouse, in root of 20-in. maple tree; copper nail and washer | 810.26 |
| T. 39 N., R. 30 W., quarter cor. between secs. 5 and 8, 45 ft. S. of rd., in root on NW. side of 18-in. oak tree; copper nail and washer | 842.70 |
| T. 39 N., R. 30 W., 1 mi. N. of quarter cor. between secs. 5 and 8, 30 ft. N. and 18 ft. E. from rd. corner, in root on E. side of 15-in. elm tree; copper nail and washer | 911.68 |
| T. 39 N., R. 30 W., 0.8 mi. S. of N. cor. secs. 4 and 5, 100 ft. W. of T-rd. W., on S. head wall of concrete culvert; chiseled square | 897.54 |
| T. 40 N., R. 30 W., cor. secs. 27, 28, 33, and 34, 30 ft. S. and 15 ft. W. from T-rd. W., on head wall of concrete culvert; chiseled square | 859.46 |
| T. 40 N., R. 30 W., cor. secs. 21, 22, 27, and 28, 85 ft. S. and 40 ft. E. from crossroads, in churchyard, in root on W. side of 24-in. maple tree; copper nail and washer | 899.98 |
| (Continued in Urich quadrangle; see line 1.) | |
| 4. FROM CLINTON NO. 3 QUADRANGLE AT SEC. 4, T. 38 N., R. 28 W., SOUTH INTO WALKER QUADRANGLE AT SEC. 9, T. 37 N., R. 28 W. (by C. T. Shepherd in 1934) | |
| T. 38 N., R. 28 W., in NE. cor. sec. 9, 18 ft. S. and 12 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square | 813.19 |
| T. 38 N., R. 28 W., in SW. cor. sec. 10, 17 ft. N. and 8 ft. E. from crossroads, on head wall of concrete culvert; chiseled square | 794.85 |
| T. 38 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 55 ft. S. and 61 ft. E. from T-rd. E., in concrete post; standard tablet stamped "302 C W A 1934" | 792.743 |
| T. 38 N., R. 28 W., W. quarter cor. sec. 27, 25 ft. S. and 30 ft. E. from rd. corner, in root of 8-in. catalpa tree; copper nail and washer | 796.84 |
| (For balance in Clinton No. 3 quadrangle, see line 4.) | |
| T. 37 N., R. 28 W., in SE. cor. sec. 4, 18 ft. S. and 25 ft. W. from crossroads, in corner fence post; bolt | 775.48 |
| 5. FROM SEC. 32, T. 39 N., R. 29 W., SOUTH INTO WALKER QUADRANGLE AT SEC. 9, T. 37 N., R. 29 W. (by C. T. Shepherd in 1934) | |
| T. 38 N., R. 29 W., N. cor. secs. 4 and 5, 20 ft. S. and 8 ft. E. from T-rd., on E. head wall of concrete culvert; chiseled square | 779.32 |
| T. 38 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 50 ft. N. and 30 ft. W. from crossroads, about 1 mi. N., thence 2.2 mi. E. from Prairie City, in concrete post; standard tablet stamped "T T 605 C W A 1934" | 753.866 |
| T. 38 N., R. 29 W., quarter cor. between secs. 9 and 16, 12 ft. S. and 8 ft. W. from T-rd., on W. head wall of culvert; chiseled square | 723.89 |
| Schell City, 3 mi. N. of, near quarter cor. between secs. 16 and 21, T. 38 N., R. 29 W., 24 ft. E. of rd., in line with S. face of dwelling, in concrete post; standard tablet stamped "T T 604 C W A 1934" | 732.289 |
| T. 38 N., R. 29 W., in S 1/2 sec. 21, on E. end of N. abutment of bridge over Osage River; chiseled square | 731.18 |
| Schell City, about 0.5 mi. N. of, in root of 36-in. wild-cherry tree; copper nail and washer | 748.86 |
| Schell City, at S. limits of, 0.5 mi. W. of Main Street, 8 ft. N. and 8 ft. E. from street corner, on S. head wall of culvert; chiseled square | 788.78 |
| Schell City, 0.5 mi. S. of, quarter cor. between secs. 3 and 4, T. 37 N., R. 29 W., 45 ft. N. and 45 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 603 C W A 1934" | 760.746 |
| 6. FROM BUTLER NO. 3 QUADRANGLE EAST ALONG STATE HIGHWAY 52 INTO CLINTON NO. 3 QUADRANGLE (by C. T. Shepherd in 1934) | |
| (Continued from Butler No. 3 quadrangle; see line 7.) | |
| T. 39 N., R. 30 W., N. cor. secs. 5 and 6, 35 ft. S. and 200 ft. W. from junction of rd. S., on S. retaining wall of concrete culvert; chiseled square | 913.82 |
| T. 40 N., R. 30 W., S. cor. secs. 33 and 34, 37 ft. N. and 62 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 22 B 1933 957" | 955.539 |

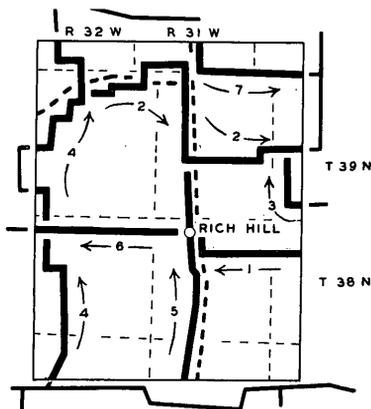
| | <u>Feet</u> |
|--|-------------|
| T. 40 N., R. 30 W., 500 ft. W. of S. cor. secs. 34 and 35, on top of S. head wall of concrete culvert; chiseled square | 914.10 |
| T. 39 N., R. 30 W., N. cor. secs. 2 and 3, 600 ft. W. of junction of rd. S., on S. head wall of concrete culvert; chiseled cross | 925.72 |
| T. 40 N., Rs. 29 and 30 W., 579 ft. W. of S. cor. secs. 31 and 36, 12 ft. S. of highway, in top of SE. hand rail post of concrete bridge; standard tablet stamped "T T 1126 W 1934" | 914.294 |
| T. 40 N., R. 29 W., near S. quarter cor. sec. 31, on E. end of S. head wall of concrete bridge; chiseled square | 905.41 |
| T. 40 N., R. 29 W., in SE 1/4 sec. 32, at dwelling of Charles Wix, on SW. corner of concrete walk; chiseled cross | 994.35 |
| T. 40 N., R. 29 W., 800 ft. W. of S. cor. secs. 33 and 34, 0.6 mi. E. of Pleasant Ridge Presbyterian Church, 29 ft. N. of highway, 10 ft. W. of SE. corner of orchard of H. B. Cook, in concrete post; standard tablet stamped "T T 1127 W 1934" | 969.921 |
| T. 39 N., R. 29 W., in NW 1/4 sec. 4, 30 ft. N. and 25 ft. E. from junction of rd. E., in root on W. side of 12-in. oak tree; copper nail and washer | 976.14 |
| Appleton City, 5 mi. W. of, on N. head wall of concrete culvert; chiseled square | 856.53 |
| Appleton City, about 4 mi. W. of, at W. end of bridge G-722 1924, in top of NW. handrail post; standard tablet stamped "T T 1128 W 1934" | 827.136 |
| Appleton City, 3 mi. W. of, on top of W. post of S. handrail of concrete bridge; chiseled square | 808.15 |
| Appleton City, 2 mi. W. of, 300 ft. E. of highway at N.-S. rd. to Rockville, on top of W. post of N. handrail of concrete bridge; chiseled square | 821.18 |
| Appleton City, about 1.1 mi. W. of, 32 ft. N. and 210 ft. E. from crossroad on Bates-St. Clair county line, in concrete post; standard tablet stamped "T T 1129 W 1934" | 864.350 |
| Appleton City, at W. limits of, on top of W. end of S. head wall of concrete culvert; chiseled square | 835.09 |
| U.S.C. & G.S. standard disk stamped "U 119 1935" | 869.388 |
| Appleton City, 1 mi. E. of, on top of N. end of W. abutment of bridge G-480; chiseled square | 820.46 |

(Continued in Clinton No. 3 quadrangle; see line 5.)

For an additional level line along Missouri-Kansas-Texas R.R., refer to United States Coast and Geodetic Survey second-order line, Clinton to Walker.

BUTLER NO. 3 QUADRANGLE
(Latitude 38°00'-38°15'; longitude 94°15'-94°30')

Bates and Vernon Counties



1. FROM APPLETON CITY QUADRANGLE AT SEC. 17, T. 38 N., R. 30 W., WEST AND NORTH TO RICH HILL (second-order line by H. P. Jones in 1934)
(Continued from Appleton City quadrangle; see line 1.)

| | <u>Feet</u> |
|---|-------------|
| T. 38 N., R. 30 W., in SW 1/4 sec. 17, 0.2 mi. E. of bridge over drainage ditch, 90 ft. E. of private rd. N., 25 ft. N. of rd., in root on E. side of 30-in. elm tree; copper nail and washer | 735.68 |
| T. 38 N., R. 30 W., near W. sixteenth cor. sec. 18, about 0.6 mi. W. of bridge over drainage ditch, 37 ft. S. of rd., 87 ft. W. of fence S., in concrete post; standard tablet stamped "T 17 B 1933 736" | 734.900 |
| T. 38 N., R. 31 W., near center sec. 13, on W. end of SE. concrete wing wall of steel bridge; chiseled square | 738.14 |
| T. 38 N., R. 31 W., quarter cor. between secs. 13 and 14, 10 ft. S. and 75 ft. W. from T-rd. S., on top of head wall of concrete culvert; chiseled square | 736.62 |
| T. 38 N., R. 31 W., about 0.1 mi. E. of quarter cor. between secs. 14 and 15, 60 ft. S. and 20 ft. W. from junction of private rd. S., in root on NE. side of 24-in. maple tree; copper nail and washer | 778.89 |
| T. 38 N., R. 31 W., near center sec. 15, about 300 ft. E. of bridge over small creek, N. of rd. at angle in fence line, 6 ft. E. of telephone pole, in concrete post; standard tablet stamped "L J 30 1934" | 747.588 |
| T. 38 N., R. 31 W., quarter cor. between secs. 15 and 16, 35 ft. S. and 35 ft. W. from crossroads, in root on N. side of 18-in. elm tree; copper nail and washer | 763.24 |
| Rich Hill, about 1 mi. S. of, along U.S. Highway 71, 15 ft. S. and 20 ft. W. from crossroad, on S. head wall of concrete culvert; chiseled square | 789.08 |
| U.S.C. & G.S. B.M. designated "LXXXVI" | 804.355 |

2. FROM NYHART EAST TO U.S. HIGHWAY 71, THENCE SOUTH ALONG U.S. HIGHWAY 71 TO SEC. 17, T. 39 N., R. 31 W., THENCE EAST ALONG ROADS INTO APPLETON CITY QUADRANGLE AT SEC. 8, T. 39 N., R. 30 W. (by H. P. Jones in 1934)

| | |
|--|---------|
| T. 39 N., R. 32 W., on line between secs. 4 and 5, 40 ft. N. and 24 ft. W. from T-rd. N., 120 ft. N. of Missouri Pacific R.R., 4 ft. W. of W. right-of-way fence, in concrete post; standard tablet stamped "433 C W A 1934 769" | 767.858 |
| U.S.C. & G.S. standard disk stamped "P 9 1934" | 767.151 |
| T. 39 N., R. 32 W., quarter cor. between secs. 3 and 4, 15 ft. N. and 10 ft. W. from T-rd. S., 75 ft. S. and 30 ft. W. from Nyhart School, on top of head wall of concrete culvert; chiseled square | 774.71 |
| T. 39 N., R. 32 W., near quarter cor. between secs. 2 and 3, 20 ft. N. and 50 ft. W. from T-rd. W., in root on SW. side of twin pecan tree; copper nail and washer | 765.43 |
| T. 39 N., R. 32 W., in NW 1/4 sec. 2, 15 ft. N. and 10 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square | 811.93 |
| T. 39 N., R. 32 W., in NW 1/4 sec. 2, 200 ft. E. of dwelling of Mose Davis, 24 ft. S. of rd., 5 ft. S. and 8 ft. E. from corner of garden fence, in concrete post; standard tablet stamped "C W A 1934 817" | 816.034 |
| T. 39 N., R. 32 W., in NW 1/4 sec. 1, 15 ft. S. and 50 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 818.16 |
| T. 39 N., R. 32 W., W. sixteenth cor. on N. line sec. 1, 65 ft. N. and 20 ft. W. from T-rd. N., in root on E. side of 18-in. cherry tree; copper nail and washer | 808.66 |
| T. 39 N., R. 31 W., in NE 1/4 sec. 6, 24 ft. S. and 75 ft. E. from T-rd. N. at S. cor. secs. 32 and 33, T. 40 N., R. 31 W., 4 ft. S. and 10 ft. E. from fence corner, in concrete post; standard tablet stamped "C W A 404 1934 768" | 767.933 |

| | Feet |
|---|---------|
| U.S.C. & G.S. standard disk stamped "S 9 1934" | 793.007 |
| T. 39 N., R. 31 W., in NW 1/4 sec. 5, 150 ft. S. and 50 ft. E. from junction of U.S. Highway 71 and State Highway 52, at filling sta., on N. end of concrete island of gasoline pumps; chiseled square | 770.62 |
| T. 39 N., R. 31 W., in NE 1/4 sec. 5, 15 ft. S. and 25 ft. E. from junction of rd. E., on top of head wall of concrete culvert; chiseled square | 816.46 |
| T. 39 N., R. 31 W., near E. sixteenth cor. sec. 5, 35 ft. N. and 30 ft. W. from rd. junction, 2 ft. E. of right-of-way fence, in concrete post; standard tablet stamped "204 C W A 1934 768" | 767.623 |
| T. 39 N., R. 31 W., in NE 1/4 sec. 8, on E. end of N. concrete abutment of bridge over Miami Creek; chiseled square | 756.11 |
| T. 39 N., R. 31 W., W. sixteenth cor. sec. 15, 25 ft. N. and 20 ft. E. from T-rd. N., on top of head wall of concrete culvert; chiseled square | 747.96 |
| T. 39 N., R. 31 W., quarter cor. between secs. 14 and 15, 15 ft. S. and 15 ft. E. from T-rd. W., on top of concrete culvert; chiseled square | 782.61 |
| T. 39 N., R. 31 W., about 0.3 mi. E. of center sec. 14, 114 ft. S. and 38 ft. E. from SE. corner of Pleasant Valley School, 38 ft. N. of rd., in concrete post; standard tablet | 775.351 |
| T. 39 N., R. 31 W., cor. secs. 11, 12, 13, and 14, 10 ft. S. and 15 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square | 785.82 |
| T. 39 N., R. 30 W., W. cor. secs. 7 and 18, 10 ft. S. and 75 ft. W. from T-rd. E., in root on S. side of 20-in. oak tree; copper nail and washer | 824.05 |
| T. 39 N., R. 30 W., W. sixteenth cor. between secs. 8 and 17, 205 ft. N. and 23 ft. W. from crossroads, 12 ft. S. and 7 ft. W. from NE. corner of churchyard, in concrete post; standard tablet stamped "T T 21 B 1933" | 791.399 |

(Continued in Appleton City quadrangle; see line 3.)

3. FROM APPLETON CITY QUADRANGLE AT SEC. 29, T. 39 N., R. 30 W., NORTH TO SEC. 17, T. 39 N., R. 30 W. (by H. P. Jones in 1934)
(Continued from Appleton City quadrangle; see line 2.)

| | |
|--|---------|
| T. 39 N., R. 30 W., W. sixteenth cor. between secs. 29 and 32, 10 ft. S. and 35 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square | 809.35 |
| T. 39 N., R. 30 W., in NW 1/4 sec. 29, 30 ft. S. and 38 ft. E. from SE. corner of Happy Hill School, 20 ft. W. of rd., in limestone ledge; standard tablet stamped "31 J 1933 907" (This tablet set in same drill hole as one stamped "T T 20 B 1933" which has been destroyed.) | 905.683 |
| T. 39 N., R. 30 W., quarter cor. between secs. 19 and 20, 250 ft. N. of T-lane E., on SW. wing wall of concrete culvert; chiseled square | 772.39 |
| T. 39 N., R. 30 W., W. sixteenth cor. sec. 17, 45 ft. N. and 20 ft. E. from T-rd. N., in root on W. side of 6-in. elm tree; copper nail and washer | 784.55 |

4. FROM NEVADA QUADRANGLE AT SEC. 8, T. 37 N., R. 32 W., NORTH INTO ADRIAN QUADRANGLE AT SEC. 29, T. 40 N., R. 32 W.
(by H. P. Jones in 1934)

| | |
|--|---------|
| T. 37 N., R. 32 W., quarter cor. between secs. 7 and 8, 15 ft. N. and 30 ft. E. from T-rd. S., in root on S. side of 24-in. cottonwood tree; copper nail and washer | 785.80 |
| T. 37 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 15 ft. N. and 20 ft. E. from T-rd. E., in root on W. side of 18-in. elm tree; copper nail and washer | 765.71 |
| T. 37 N., R. 32 W., quarter cor. between secs. 5 and 6, 15 ft. N. and 20 ft. E. from T-rd. W., in root on W. side of twin hickory tree; copper nail and washer | 775.94 |
| T. 37 N., R. 32 W., N. cor. secs. 5 and 6, 30 ft. S. and 22 ft. E. from T-rd. S., 30 ft. S. and 12 ft. E. from T-rd. N. at S. cor. secs. 31 and 32, T. 38 N., R. 32 W., 4 ft. S. and 35 ft. E. from fence corner, in concrete post; standard tablet stamped "434 C W A 1934 794" | 794.153 |
| T. 38 N., R. 32 W., 75 ft. N. of cor. secs. 29, 30, 31, and 32, on W. head wall of concrete culvert; chiseled square | 799.36 |
| T. 38 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 15 ft. S. and 25 ft. E. from crossroads, on head wall of concrete culvert; chiseled square | 831.96 |
| T. 38 N., R. 32 W., cor. secs. 17, 18, 19, and 20, 21 ft. N. and 19 ft. E. from crossroads, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "431 C W A 1934 891" | 891.001 |
| T. 38 N., Rs. 32 and 33 W., cor. secs. 13, 18, 19, and 24, 15 ft. N. and 35 ft. E. from T-rd. N., in root on W. side of 18-in. elm tree; copper nail and washer | 843.76 |
| T. 38 N., Rs. 32 and 33 W., cor. secs. 7, 12, 13, and 18, 15 ft. N. and 15 ft. W. from crossroads, at fence corner, on top of concrete retaining wall; chiseled square | 858.78 |
| T. 38 N., R. 32 W., 24 ft. W. of W. cor. secs. 6 and 7, 101 ft. N. and 24 ft. W. from E. cor. secs. 1 and 12, T. 38 N., R. 33 W., 46 ft. N. and 24 ft. W. from County Route A at crossroad, in concrete post; standard tablet stamped "432 C W A 1934 881" | 880.850 |
| Tps. 38 and 39 N., Rs. 32 and 33 W., cor. of, 20 ft. S. and 15 ft. W. from crossroads, inside fence corner; top of iron stake | 898.02 |
| T. 39 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, 20 ft. N. and 60 ft. E. from crossroads, in root on W. side of 12-in. catalpa tree; copper nail and washer | 852.72 |
| T. 39 N., Rs. 32 and 33 W., cor. secs. 19, 24, 25, and 30, 25 ft. S. and 10 ft. E. from T-rd. S., on head wall of concrete culvert; chiseled square | 829.75 |

(For balance in Hume quadrangle, see line 2.)

| | <u>Feet</u> |
|--|-------------|
| T. 39 N., R. 33 W., E. sixteenth cor. between secs. 12 and 13, 120 ft. N. and 10 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square | 829.32 |
| T. 39 N., Rs. 32 and 33 W., quarter cor. between secs. 7 and 12, 11 ft. N. and 17 ft. E. from rd. corner, 18 ft. S. and 6 ft. W. from gate at entrance to farm of E. L. Thomas, in concrete post; standard tablet stamped "428 C W A 1934 816" | 815.695 |
| T. 39 N., R. 32 W., in SW 1/4 sec. 6, S. of rd. at W. end of gate to field, in root on W. side of 24-in. hackberry tree; copper nail and washer | 833.03 |
| T. 39 N., R. 32 W., in SE 1/4 sec. 6, about 200 ft. S. of Missouri Pacific R.R. at rd. crossing, in root on W. side of 28-in. elm tree; copper nail and washer | 767.11 |
| T. 39 N., R. 32 W., E. sixteenth cor. sec. 6, 40 ft. N. and 20 ft. E. from rd. corner E.-S., in root on S. side of 26-in. elm tree; copper nail and washer | 764.02 |
| T. 39 N., R. 32 W., N. cor. secs. 4 and 5, 350 ft. S. and 15 ft. W. from T-rd. S., in root on E. side of 18-in. elm tree; copper nail and washer | 789.06 |
| T. 40 N., R. 32 W., S. cor. secs. 33 and 34, 10 ft. N. and 15 ft. E. from T-rd. N., on top of head wall of concrete culvert; chiseled square | 782.84 |
| T. 39 N., R. 33 W., near NE. cor. sec. 1, 20 ft. S. and 80 ft. E. from T-rd. W. at S. cor. secs. 31 and 32, T. 40 N., R. 32 W., in concrete post; standard tablet stamped "C W A 1934 780" | 779.225 |
| T. 40 N., R. 32 W., cor. secs. 29, 30, 31, and 32, 70 ft. N. and 10 ft. E. from crossroads, in root on W. side of 20-in. elm tree; copper nail and washer | 842.79 |
| (Continued in Adrian quadrangle; see line 3.) | |
| 5. FROM ARTHUR NORTH ALONG U.S. HIGHWAY 71 TO SEC. 17, T. 39 N., R. 31 W. (by B. A. Barnes in 1934) | |
| Arthur, at W. limits of, 40 ft. N. and 47 ft. E. from crossroad, 3/4 ft. W. of Missouri Pacific R.R., in concrete post; standard tablet stamped "T T 1104 W 1934" | 766.308 |
| T. 37 N., R. 31 W., W. sixteenth cor. sec. 5, on N. end of W. head wall of concrete bridge; chiseled square | 753.82 |
| T. 38 N., R. 31 W., in SW 1/4 sec. 32, on S. end of W. head wall of concrete culvert; chiseled square | 771.67 |
| T. 38 N., R. 31 W., in NW 1/4 sec. 32, on S. end of W. head wall of concrete culvert; chiseled square | 799.37 |
| T. 38 N., R. 31 W., near center sec. 29, on E. end of S. head wall of concrete culvert; chiseled square | 811.82 |
| Rich Hill, 3.2 mi. S. of, at E. end of bridge over Missouri Pacific R.R., 11 ft. N. of highway, in top of NE. handrail post; standard tablet stamped "T T 1103 W 1934" | 836.593 |
| T. 38 N., R. 31 W., in NW 1/4 sec. 21, on N. end of W. handrail; chiseled square | 773.92 |
| T. 38 N., R. 31 W., in NE. cor. NE 1/4 sec. 17, on W. side of highway, in SW. angle of T-rd. W., on S. head wall of concrete culvert; chiseled square | 789.12 |
| T. 38 N., R. 31 W., quarter cor. between secs. 8 and 9, W. of highway, SW. of T-rd. W., on S. head wall of concrete culvert; chiseled square | 774.55 |
| Rich Hill, at E. limits of, 48 ft. N. and 39 ft. W. from junction of County Route A, in concrete post; standard tablet stamped "T T 1102 W 1934" | 800.743 |
| T. 38 N., R. 31 W., in NE 1/4 SE 1/4 sec. 5, on S. end of W. head wall of concrete culvert; chiseled square | 769.71 |
| T. 38 N., R. 31 W., in NE 1/4 sec. 5, on SW. wing wall of concrete culvert; chiseled square | 754.10 |
| Rich Hill, 2.5 mi. N. of, 13 ft. W. of highway, in NW. abutment wall of bridge over Bates County drainage ditch; standard tablet stamped "T T 1101 W 1934" | 753.543 |
| T. 39 N., R. 31 W., near cor. secs. 20, 21, 28, and 29, on SW. wing wall of bridge over Osage River; (mark not described) | 755.36 |
| T. 39 N., R. 31 W., in NE 1/4 sec. 17, on center of E. head wall of concrete culvert; chiseled square | 749.41 |
| T. 39 N., R. 31 W., near quarter cor. between secs. 16 and 17, about 0.2 mi. E. of highway, 30 ft. SW. of rd. corner, 100 ft. SW. of Miami drainage ditch, in concrete post; standard tablet stamped "403 C W A 1934 747" | 746.727 |
| 6. FROM RICH HILL WEST ALONG COUNTY ROUTE A INTO HUME QUADRANGLE (by B. A. Barnes in 1934) | |
| U.S.C. & G.S. B.M. designated "LXXXVI" | 804.355 |
| T. 38 N., R. 31 W., near W. sixteenth cor. between secs. 6 and 7, on E. end of S. head wall of concrete culvert; chiseled square | 800.17 |
| T. 38 N., Rs. 31 and 32 W., 250 ft. W. of cor. secs. 1, 6, 7, and 12, on E. end of S. head wall of concrete culvert; chiseled square | 823.97 |
| T. 38 N., R. 32 W., in NW 1/4 NW 1/4 sec. 12, on E. end of S. head wall of concrete culvert; chiseled square | 882.28 |
| Rich Hill, 3 mi. W. of junction of U.S. Highway 71, 51 ft. N. and 42 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 1105 W 1934" | 891.291 |
| T. 38 N., R. 32 W., quarter cor. between secs. 2 and 11, at Keith School, on E. corner of S. edge of porch floor; chiseled square | 914.39 |
| T. 38 N., R. 32 W., cor. secs. 2, 3, 10, and 11, on S. end of E. head wall of concrete culvert; chiseled square | 913.03 |
| T. 38 N., R. 32 W., quarter cor. between secs. 3 and 10, on E. end of S. head wall of concrete culvert; chiseled square | 904.38 |

| | <u>Feet</u> |
|--|-------------|
| T. 38 N., R. 32 W., 150 ft. W. of cor. secs. 3, 4, 9, and 10, on E. end of S. head wall of concrete culvert; chiseled square | 888.66 |
| T. 38 N., R. 32 W., 300 ft. E. of quarter cor. between secs. 4 and 9, on E. end of S. head wall of concrete culvert; chiseled square | 886.76 |
| T. 38 N., R. 32 W., in NW 1/4 NW 1/4 sec. 9, on E. end of S. head wall of concrete culvert; chiseled square | 917.69 |
| T. 38 N., R. 32 W., cor. secs. 4, 5, 8, and 9, 650 ft. E. of crossroad, 12 ft. S. of highway, in SE. corner of upstream head wall of concrete culvert; standard tablet stamped "T T 1106 W 1934" | 895.089 |
| T. 38 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 30 ft. N. and 58 ft. E. from crossroad; top of highway right-of-way post | 886.52 |

(Continued in Hume quadrangle; see line 3.)

7. FROM ADRIAN QUADRANGLE SOUTH ALONG U.S. HIGHWAY 71 TO STATE HIGHWAY 52, THENCE EAST ALONG STATE HIGHWAY 52 INTO APPLETON CITY QUADRANGLE (by C. T. Shepherd in 1934)

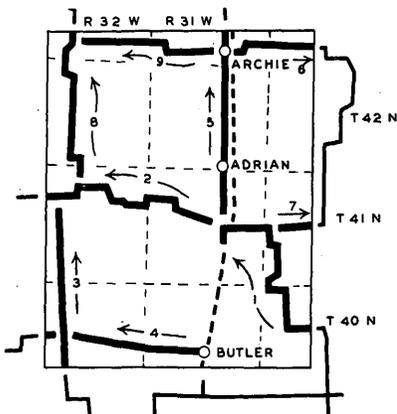
| | |
|--|---------|
| Butler, 0.6 mi. S. of, 36 ft. E. of Missouri Pacific R.R., 43 ft. W. of highway, in concrete post; standard tablet stamped "T T 1108 W 1934" | 829.186 |
| Butler, 1.5 mi. S. of, on E. head wall of concrete bridge; chiseled cross square | 786.76 |
| T. 40 N., R. 31 W., on S. line sec. 34, 30 ft. S. and 12 ft. W. from junction of rd. S., on W. head wall of concrete culvert; chiseled square | 785.85 |
| T. 40 N., R. 31 W., in sec. 35, on S. head wall of concrete culvert; chiseled square | 806.77 |
| T. 40 N., R. 31 W., S. quarter cor. sec. 36, 39 ft. N. and 25 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 1125 W 1934" | 872.901 |
| Bridge 212, 3 mi. E. of U.S. Highway 71, on W. end of N. curb; chiseled square | 856.27 |
| T. 40 N., R. 30 W., W. sixteenth cor. on S. line sec. 32, 15 ft. S. and 20 ft. E. from junction of rd. S.; (mark not described) | 905.09 |

(Continued in Appleton City quadrangle; see line 6.)

For additional level lines along Missouri Pacific R.F., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett; and second-order line, Madison, Kans. to Montieith Junction, Mo.

ADRIAN QUADRANGLE
(Latitude 38°15'-38°30'; longitude 94°15'-94°30')

Bates and Cass Counties



1. FROM URICH QUADRANGLE AT SEC. 9, T. 40 N., R. 30 W., NORTH AND WEST TO PASSAIC (by H. P. Jones in 1934)
(Continued from Urich quadrangle; see line 1.)

| | |
|---|---------|
| T. 40 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 40 ft. S. and 15 ft. E. from T-rd. S., in root on W. side of 6-in. walnut tree; copper nail and washer | 889.57 |
| T. 40 N., R. 30 W., cor. secs. 7, 8, 17, and 18, 20 ft. N. and 78 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 24 B 1933 829" | 828.117 |
| T. 40 N., R. 30 W., cor. secs. 5, 6, 7, and 8, 15 ft. S. and 20 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square | 860.31 |
| T. 40 N., R. 30 W., N. cor. secs. 5 and 6, 20 ft. S. and 40 ft. E. from T-rd. S., in root on W. side of 22-in. elm tree; copper nail and washer | 842.60 |

| | <u>Feet</u> |
|--|-------------|
| T. 41 N., R. 30 W., S. quarter cor. sec. 31, 22 ft. S. and 20 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 25 B 1933 891" | 890.119 |
| T. 41 N., R. 30 W., quarter cor. between secs. 30 and 31, 15 ft. S. and 15 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 881.23 |
| T. 41 N., R. 30 W., about 600 ft. N. of center sec. 30, 700 ft. S. of T-rd. S., on top of E. head wall of concrete culvert; chiseled square | 890.50 |
| T. 41 N., Rs. 30 and 31 W., cor. secs. 19, 24, 25, and 30, 120 ft. N. and 10 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 900.14 |
| T. 41 N., R. 30 W., W. cor. secs. 18 and 19, 165 ft. N. and 25 ft. E. from T-rd. E., 59 ft. N. and 25 ft. E. from E. cor. secs. 13 and 24, T. 41 N., R. 31 W., in concrete post; standard tablet stamped "T T 45 B 1933 910" | 908.786 |
| T. 41 N., R. 31 W., quarter cor. between secs. 13 and 24, 10 ft. S. and 20 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 912.64 |
| T. 41 N., R. 31 W., quarter cor. between secs. 14 and 23, 15 ft. N. and 20 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 909.84 |
| T. 41 N., R. 31 W., quarter cor. between secs. 15 and 22, 30 ft. N. and 125 ft. W. from junction of lane S., in root on SE. side of 15-in. hedge tree; copper nail and washer | 863.68 |
| T. 41 N., R. 31 W., cor. secs. 15, 16, 21, and 22, 50 ft. N. and 116 ft. E. from U.S. Highway 71 at rd. junction, 115 ft. S. and 20 ft. E. from SW. corner of Mount Zion School, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934 860" | 859.493 |
| T. 41 N., R. 31 W., cor. secs. 21, 22, 27, and 28, 12 ft. S. and 25 ft. E. from U.S. Highway 71 at crossroad, on head wall of concrete culvert; chiseled square | 869.50 |
| U.S.C. & G.S. B.M. designated "LXXXI" | 865.228 |

2. FROM SEC. 16, T. 41 N., R. 31 W., WEST INTO AMORET QUADRANGLE AT SEC. 7, T. 41 N., R. 32 W. (by H. P. Jones in 1934)

| | |
|--|---------|
| T. 41 N., R. 31 W., cor. secs. 16, 17, 20, and 21, 15 ft. S. and 20 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 859.96 |
| T. 41 N., R. 31 W., cor. secs. 8, 9, 16, and 17, 18 ft. N. and 12 ft. E. from T-rd. W., on head wall of stone culvert; chiseled square | 867.68 |
| T. 41 N., R. 31 W., cor. secs. 7, 8, 17, and 18, 20 ft. N. and 140 ft. E. from rd. corner, in root on S. side of 24-in. elm tree; copper nail and washer | 910.89 |
| T. 41 N., R. 31 W., quarter cor. between secs. 7 and 8, 22 ft. N. and 23 ft. E. from T-rd. W., 116 ft. S. and 62 ft. W. from Mound Valley School, in concrete post; standard tablet stamped "242 C W A 1934 901" | 899.902 |
| T. 41 N., Rs. 31 and 32 W., quarter cor. between secs. 7 and 12, 30 ft. S. of rd. corner, on top of head wall of concrete culvert; chiseled square | 884.69 |
| T. 41 N., Rs. 31 and 32 W., cor. secs. 7, 12, 13, and 18, 10 ft. N. and 25 ft. W. from T-rd. W., on top of NE. concrete wing wall of small bridge; chiseled square | 903.61 |
| T. 41 N., R. 32 W., cor. secs. 11, 12, 13, and 14, 10 ft. N. and 20 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square | 905.77 |
| T. 41 N., R. 32 W., cor. secs. 10, 11, 14, and 15, 10 ft. N. and 22 ft. W. from T-rd. E., 25 ft. S. and 52 ft. E. from SE. corner of Wolfe dwelling, 7 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "282 C W A 1934 900" | 899.562 |
| T. 41 N., R. 32 W., cor. secs. 2, 3, 10, and 11, 25 ft. N. and 10 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square | 917.72 |
| T. 41 N., R. 32 W., cor. secs. 3, 4, 9, and 10, 15 ft. S. and 15 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 900.26 |
| T. 41 N., R. 32 W., cor. secs. 4, 5, 8, and 9, 27 ft. S. and 22 ft. E. from crossroads, 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "266 C W A 1934 872" | 871.713 |
| T. 41 N., R. 32 W., cor. secs. 8, 9, 16, and 17, 15 ft. N. and 20 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 836.92 |
| T. 41 N., R. 32 W., cor. secs. 7, 8, 17, and 18, 100 ft. S. and 20 ft. E. from crossroads, 3 ft. E. of fence line, in root on W. side of 12-in. box-elder tree; copper nail and washer | 874.75 |

(Continued in Amoret quadrangle; see line 1.)

3. FROM BUTLER NO. 3 QUADRANGLE AT SEC. 29, T. 40 N., R. 32 W., NORTH TO SEC. 8, T. 41 N., R. 32 W. (by H. P. Jones in 1934)
(Continued from Butler No. 3 quadrangle; see line 4.)

| | |
|---|---------|
| T. 40 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 15 ft. S. and 15 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 845.96 |
| T. 40 N., R. 32 W., cor. secs. 17, 18, 19, and 20, 45 ft. S. and 195 ft. E. from State Highway 52 at crossroad at Virginia, 3 ft. N. of S. right-of-way fence, in concrete post; standard tablet stamped "232 C W A 1934 875" | 874.666 |
| T. 40 N., R. 32 W., cor. secs. 7, 8, 17, and 18, 15 ft. N. and 15 ft. W. from crossroads, on top of end of iron drain pipe; painted square | 870.64 |

| | <u>Feet</u> |
|---|-------------|
| T. 40 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 18 ft. S. and 100 ft. W. from crossroads, in farmyard, in root on E. side of 36-in. maple tree; copper nail and washer | 902.17 |
| T. 41 N., R. 32 W., S. cor. secs. 31 and 32, 29 ft. N. and 30 ft. W. from T-rd. N., 4 ft. N. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "402 C W A 1934 853" | 852.241 |
| T. 41 N., R. 32 W., E. sixteenth cor. between secs. 30 and 31, 15 ft. S. and 50 ft. W. from crossroads, in root on W. side of 18-in. ash tree; copper nail and washer | 808.25 |
| T. 41 N., R. 32 W., E. sixteenth cor. between secs. 19 and 30, 15 ft. S. and 10 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square | 839.82 |
| T. 41 N., R. 32 W., E. sixteenth cor. between secs. 18 and 19, 27 ft. S. and 30 ft. E. from T-rd. S., 4 ft. S. and 14 ft. E. from fence corner, in concrete post; standard tablet stamped "876" | 875.076 |
| T. 41 N., R. 32 W., cor. secs. 16, 17, 20, and 21, 20 ft. S. and 65 ft. E. from crossroad, in root on W. side of 18-in. elm tree; copper nail and washer | 853.06 |

4. FROM BUTLER WEST ALONG STATE HIGHWAY 52 INTO AMORET QUADRANGLE
(by C. T. Shepherd in 1934)

| | |
|---|---------|
| U.S.C. & G.S. B.M. designated "LXXXII" | 864.528 |
| Butler, at Missouri Pacific R.R. underpass, on top of E. end of S. abutment; chiseled cross | 844.08 |
| Butler, 1.6 mi. W. of, 1,000 ft. E. of dwelling of Ed Bradley, on E. end of N. wall of concrete bridge; chiseled square | 807.67 |
| Butler, 2 mi. W. of, W. sixteenth cor. sec. 20, T. 40 N., R. 31 W., 50 ft. N. and 46 ft. E. from crossroad, at Tygard School, 6 ft. S. of flagpole, in concrete post; standard tablet stamped "T T 1120 W 1934" | 849.155 |
| Butler, 2.7 mi. W. of, 20 ft. S. and 15 ft. E. from junction of rd. S., on E. head wall of pipe culvert; chiseled square | 844.26 |
| Butler, 3.2 mi. W. of, on S. end of E. abutment of bridge over Miami Creek; chiseled square | 776.05 |
| Butler, 4.2 mi. W. of, 15 ft. S. and 115 ft. E. from junction of rd. E., on S. head wall of culvert; chiseled square | 832.36 |
| Butler, 5 mi. W. of, E. sixteenth cor. between secs. 14 and 23, 49 ft. N. and 150 ft. W. from junction of private drive to property of T. W. Huffman, in concrete post; standard tablet stamped "T T 1121 W 1934" | 792.879 |
| Butler, 5.7 mi. W. of, 25 ft. N. and 15 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square | 850.08 |
| Butler, 6.8 mi. W. of, cor. secs. 15, 16, 21, and 22, T. 40 N., R. 32 W., 37 ft. N. and 77 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 1122 W 1934" | 878.354 |
| Butler, 7.7 mi. W. of, 35 ft. S. and 15 ft. E. from crossroad, on E. head wall of culvert; chiseled cross | 856.39 |

(Continued in Amoret quadrangle; see line 2.)

5. FROM PASSAIC NORTH ALONG U.S. HIGHWAY 71 INTO HARRISONVILLE
QUADRANGLE (by C. T. Shepherd in 1935)

| | |
|--|---------|
| T. 41 N., R. 31 W., cor. secs. 15, 16, 21, and 22, 50 ft. N. and 116 ft. E. from U.S. Highway 71 at rd. junction, 115 ft. S. and 20 ft. E. from SW. corner of Mount Zion School, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934 860" | 859.493 |
| Reference mark, 65 ft. N. of tablet, on concrete platform around pump; (mark not described) | 861.40 |
| T. 41 N., R. 31 W., near SE. cor. sec. 9, 50 ft. N. and 40 ft. W. from junction of rd. E., in root on SE. side of 24-in. maple tree; bolt and washer | 877.59 |
| Adrian, 1 mi. S. of, at school, on NW. corner of concrete entrance platform; chiseled cross | 870.48 |
| Concrete bridge, on N. end of E. curb; (mark not described) | 831.18 |
| Adrian, at E. limits of, 44 ft. S. and 64 ft. W. from junction of State Highway 18, in concrete post; standard tablet stamped "T T 1110 W 1934" | 849.709 |
| Adrian, 1 mi. N. of, 6 ft. S. and 32 ft. W. from junction of rd. E., in root on NE. side of 24-in. elm tree; bolt and washer | 827.87 |
| Concrete bridge, in N. end of W. curb; (mark not described) | 818.18 |
| Adrian, 2 mi. N. of, 24 ft. S. and 16 ft. E. from E.-W. crossroad, on concrete head wall; chiseled square | 846.29 |
| Crossroad, SE. of, on head wall of culvert; (mark not described) | 871.34 |
| Adrian, 3 mi. N. of junction of State Highway 18, 24 ft. S. and 42 ft. E. from junction of rd. E., 6 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 1111 W 1934" | 839.519 |
| Crossroad, NE. of, on post; (mark not described) | 832.8 |
| Archie, 2.5 mi. S. of, on SW. wing wall of bridge over Morman Fork; chiseled square | 797.63 |
| Archie, 1 mi. S. of, 8 ft. S. of rd. N., 36 ft. E. of highway, on head wall of culvert; chiseled square | 842.49 |
| Crossroad on Bates-Cass county line, 30 ft. E. of, on concrete head wall; (mark not described) | 850.03 |
| T. 43 N., R. 31 W., quarter cor. between secs. 33 and 34, 44 ft. S. and 34 ft. W. from crossroad, 0.5 mi. E. of Archie, about 0.2 mi. S. of junction of County Route A, in concrete post; standard tablet stamped "222 C W A 1934" | 823.568 |

| | <u>Feet</u> |
|---|-------------|
| Archie, 0.5 mi. E. of, 25 ft. S. and 30 ft. E. from junction of County Route A, on N. side of concrete catch basin; chiseled square | 814.46 |
| Bridge over South Grand River, on N. end of E. curb; (mark not described) | 796.44 |

(Continued in Harrisonville quadrangle; see line 3.)

6.. FROM ARCHIE EAST INTO URICH QUADRANGLE AT SEC. 33, T. 43 N., R. 30 W. (by C. T. Shepherd in 1935)

| | |
|--|---------|
| Grand River bridge, on E. end of N. curb; (mark not described) | 803.42 |
| Archie, 1.5 mi. E. of, 35 ft. S. and 125 ft. E. from E.-W. rd. at farm entrance N., in root on S. side of lone pine tree; copper nail and washer | 811.19 |
| T. 43 N., R. 31 W., N. quarter cor. sec. 35, on top of N. end of SW. wing wall of bridge over Grand River; chiseled square | 791.30 |
| T. 43 N., R. 31 W., N. quarter cor. sec. 36, 24 ft. N. and 150 ft. W. from T-rd. N., in root on S. side of 24-in. elm tree; copper nail and washer | 829.90 |
| T. 43 N., Rs. 30 and 31 W., cor. secs. 25, 30, 31, and 36, 16 ft. N. of T-rd. S., in concrete post; standard tablet stamped "208 C W A 1934" | 831.022 |
| T. 43 N., R. 30 W., 0.2 mi. W. of SE. cor. sec. 30, 15 ft. N. of E.-W. rd., on SW. corner of concrete walk to dwelling; chiseled cross | 877.02 |
| Concrete culvert, on W. head wall; (mark not described) | 848.30 |
| Ford; top of W. curb | 814.03 |
| T. 43 N., R. 30 W., SW. cor. sec. 32, 25 ft. S. and 10 ft. E. from crossroads, in root on N. side of 12-in. walnut tree; copper nail and washer | 865.99 |
| Concrete bridge, on S. curb; (mark not described) | 805.40 |
| T. 42 N., R. 30 W., near NE. cor. sec. 5, 13 ft. S. of T-rd. N. at S. cor. secs. 32 and 33, T. 43 N., R. 30 W., in concrete post; standard tablet stamped "210 C W A 1934" | 806.680 |

(Continued in Urich quadrangle; see line 4.)

7. FROM SEC. 18, T. 41 N., R. 30 W., EAST INTO URICH QUADRANGLE AT SEC. 16, T. 41 N., R. 30 W. (by C. T. Shepherd in 1935)

| | |
|---|--------|
| T. 41 N., R. 30 W., cor. secs. 17, 18, 19, and 20, 18 ft. N. and 12 ft. W. from T-rd. N., on W. head wall of concrete culvert; chiseled square | 883.29 |
| T. 41 N., R. 30 W., cor. secs. 16, 17, 20, and 21, 22 ft. S. and 80 ft. W. from crossroads, 3 ft. S. of right-of-way fence, in root on N. side of 18-in. maple tree; copper nail and washer | 885.18 |

(Continued in Urich quadrangle; see line 2.)

8. FROM SEC. 8, T. 41 N., R. 32 W., NORTH INTO HARRISONVILLE QUADRANGLE AT SEC. 29, T. 43 N., R. 32 W. (by C. T. Shepherd in 1935)

| | |
|---|---------|
| Adrian, 7 mi. W. of, along State Highway 18, 90 ft. S. and 75 ft. E. from T-rd. S., in front yard of dwelling of W. H. Wagoner, in root on N. side of 24-in. maple tree; bolt and nut | 890.88 |
| Junction of rd. N.; surface of rd. | 891.9 |
| T. 42 N., R. 32 W., quarter cor. between secs. 29 and 32, 76 ft. S. and 23 ft. E. from crossroads, 35 ft. N. and 108 ft. W. from NW. corner of Dixie School, in concrete post; standard tablet stamped "281 C W A 1934" | 895.197 |
| T. 42 N., R. 32 W., S. quarter cor. sec. 20, 480 ft. N. and 8 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square | 876.15 |
| T-rd. W., NE. of, on N. head wall of culvert; (mark not described) | 865.97 |
| T. 42 N., R. 32 W., near center sec. 20, 550 ft. N. of T-rd. W., on NE. corner of S. abutment of bridge; chiseled square | 854.56 |
| T. 42 N., R. 32 W., quarter cor. between secs. 8 and 17, 30 ft. N. and 6 ft. W. from T-rd. S., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "299 C W A 1934" | 897.524 |
| T. 42 N., R. 32 W., SW. cor. sec. 8, 20 ft. N. and 12 ft. E. from junction of rd. N., on center of E. head wall of concrete culvert; chiseled square | 892.32 |
| T-rd. W., NW. of, on locust tree; (mark not described) | 890.4 |
| Main City, 1 mi. S. of, 25 ft. N. and 25 ft. E. from T-rd. N., on N. head wall of concrete culvert; chiseled square | 966.60 |
| Concrete culvert, on center of W. head wall; (mark not described) | 952.65 |
| Main City, cor. secs. 29, 30, 31, and 32, T. 43 N., R. 32 W., 44 ft. N. and 22 ft. W. from County Route A at crossroad, 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "296 C W A 1934" | 986.674 |
| T-rd. E., NE. of, on pole; (mark not described) | 972.2 |
| Main City, 1 mi. N. of, on S. end of NW. wing wall of bridge; chiseled square | 881.74 |
| Crossroad, SW. of, on head wall of culvert; (mark not described) | 954.69 |

(Continued in Harrisonville quadrangle; see line 2.)

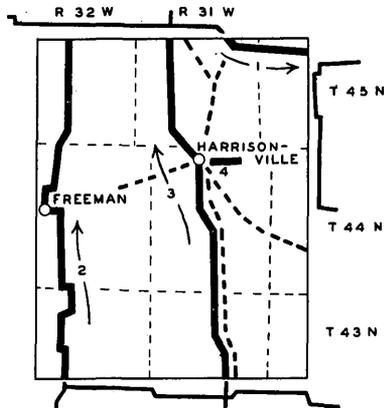
9. FROM ARCHIE WEST ALONG COUNTY ROUTE A TO SEC. 30, T. 43 N.,
R. 32 W. (by C. T. Shepherd in 1935)

| | <u>Feet</u> |
|--|-------------|
| Archie, 1 mi. W. of, 45 ft. S. and 18 ft. E. from crossroads, on NW. corner of base of concrete post to transformer sta. yard; chiseled cross | 864.02 |
| Archie, 2.2 mi. W. of, 240 ft. W. of rd. N., on W. end of S. curb of concrete bridge; chiseled square | 809.20 |
| Archie, 2.3 mi. W. of, in SE. abutment wall of bridge over drainage ditch; standard tablet stamped "T T 1117 W 1934" | 810.250 |
| Archie, 4 mi. W. of, 350 ft. E. of rd. S., on W. end of S. head wall of concrete bridge; chiseled square | 838.18 |
| Archie, 5.2 mi. W. of, 48 ft. N. of highway, 8 ft. N. of right-of-way fence, in root on W. side of 12-in. oak tree; nail and lead washer | 847.92 |
| Archie, 5.3 mi. W. of, near quarter cor. between secs. 27 and 34, T. 43 N., R. 32 W., 36 ft. N. of highway, 3 ft. S. of right-of-way fence, in line with fence N., in concrete post; standard tablet stamped "T T 1118 W 1934" | 874.041 |
| T. 43 N., R. 32 W., NE. cor. sec. 33, 600 ft. W. of crossroad, 35 ft. S. of highway, in root on N. side of 14-in. honey-locust tree; nail and lead washer | 890.45 |

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett.

HARRISONVILLE QUADRANGLE
(Latitude 38°30'-38°45'; longitude 94°15'-94°30')

Cass County



1. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 2, T. 45 N.,
R. 31 W., EAST INTO GARDEN CITY QUADRANGLE AT SEC. 4,
T. 45 N., R. 30 W. (by C. T. Shepherd in 1934)
(Continued from Harrisonville No. 2 quadrangle;
see line 8.)

| | |
|--|---------|
| T. 45 N., R. 31 W., about 0.2 mi. E. of N. cor. secs. 2 and 3, 22 ft. S. and 23 ft. E. from T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 974.699 |
| T. 45 N., R. 31 W., E. sixteenth cor. on N. line sec. 1, 100 ft. S. and 65 ft. E. from T-rd. W., in yard of W. R. Beannock, in root of 40-in. maple tree; copper nail and washer | 976.14 |
| T. 45 N., R. 30 W., in NE 1/4 sec. 6, 293 ft. E. of State Highway 7, 18 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 908.404 |
| T. 45 N., R. 30 W., near N. quarter cor. sec. 5, 690 ft. E. of dwelling of J. C. Hedrick, 15 ft. S. of rd., in grove of wild-cherry trees, in root of 10-in. elm tree; nail and washer | 877.91 |
| T. 46 N., R. 30 W., S. cor. secs. 32 and 33, 15 ft. N. and 120 ft. E. from crossroads, in root of twin 24-in. locust tree; (mark not described) | 847.86 |

(Continued in Garden City quadrangle; see line 3.)

2. FROM ADRIAN QUADRANGLE AT SEC. 29, T. 43 N., R. 32 W., NORTH INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 5, T. 45 N., R. 32 W. (by C. T. Shepherd in 1935)
(Continued from Adrian quadrangle; see line 8.)

| | <u>Feet</u> |
|--|-------------------|
| T. 43 N., R. 32 W., S. sixteenth cor. between secs. 17 and 18, 18 ft. E. of rd., at gate to yard of farmhouse, in root on NW. side of 36-in. maple tree; nail and washer | 982.60 |
| T. 43 N., R. 32 W., quarter cor. between secs. 17 and 18, 700 ft. S. of school, 5 ft. N. and 15 ft. E. from T-rd. W., in root on W. side of 36-in. elm tree; nail and washer | 959.53 |
| T. 43 N., R. 32 W., cor. secs. 7, 8, 17, and 18, 50 ft. S. and 27 ft. E. from T-rd. E., 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "300 C W A 1934" | 918.154 |
| T. 43 N., R. 32 W., SW. cor. sec. 5, on S. end of SW. wing wall of bridge over South Creek; chiseled square | 832.54 |
| Tps. 43 and 44 N., R. 32 W., W. sixteenth cor. between secs. 5 and 32, 3 ft. S. and 38 ft. W. from, 22 ft. W. of rd. corner, 3 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "298 C W A 1934" | 865.644 895.08 |
| Junction of private rd. W., E. of, in telephone pole; bolt | |
| T. 44 N., R. 32 W., in NW 1/4 sec. 32, 60 ft. N. and 18 ft. E. from T-rd. E., in root on SW. side of 14-in. honey-locust tree; nail and washer | 938.34 915.1 |
| T-rd. N.; surface of rd. | |
| T. 44 N., R. 32 W., 300 ft. W. of quarter cor. between secs. 29 and 32, 14 ft. S. of rd., in root on NE. side of 48-in. elm tree; nail and washer | 955.08 |
| T. 44 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 25 ft. N. and 24 ft. W. from T-rd. N., 8 ft. N. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "245 C W A 1934" | 959.046 933.90 |
| Telephone pole, S. of rd., in base; bolt | |
| T. 44 N., R. 32 W., quarter cor. between secs. 17 and 18, on S. end of W. abutment of concrete bridge; chiseled square | 823.24 |
| Freeman, about 0.2 mi. E. of, 38 ft. S. of County Route E, 120 ft. S. of SE. corner of pumping sta., in concrete post; standard tablet stamped "229 C W A 1934" | 833.844 |
| Freeman, on NE. corner of concrete platform near Christian Church; (mark not described) | 870.78 |
| T. 44 N., R. 32 W., SW. cor. sec. 7, on NW. cylinder pier of bridge over South Grand River; chiseled cross | 840.96 |
| T. 44 N., R. 32 W., W. sixteenth cor. between secs. 6 and 7, 90 ft. N. and 18 ft. W. from T-rd. N., in root on NW. side of 18-in. elm tree; nail and washer | 840.54 |
| Freeman, 2 mi. N. of, in W 1/2 sec. 6, T. 44 N., R. 32 W., 30 ft. W. of rd. corner NE.-S., 3 ft. W. of fence, in concrete post; standard tablet stamped "207 C W A 1934" | 939.912 857.7 |
| Ford; surface of creek bed | |
| T. 44 N., R. 32 W., in N 1/2 sec. 6, 45 ft. S. and 15 ft. W. from crossroads, in root on NE. side of 24-in. elm tree; nail and washer | 914.68 973.6 |
| T-rd. W.; surface of rd. | |
| T. 45 N., R. 32 W., center of SW 1/4 sec. 29, 9 ft. S. and 15 ft. W. from T-rd. S., on center of S. head wall of concrete culvert; chiseled square | 950.70 |
| T. 45 N., R. 32 W., S. sixteenth cor. between secs. 28 and 29, 25 ft. S. and 22 ft. W. from T-rd. W., 6 ft. S. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 994.440 |
| T. 45 N., R. 32 W., NE. cor. sec. 29, 15 ft. S. and 15 ft. W. from crossroads, on center of W. head wall of concrete culvert; chiseled square | 996.90 |
| T. 45 N., R. 32 W., SE. cor. sec. 17, 24 ft. N. and 12 ft. W. from crossroads, on center of W. head wall of concrete culvert; chiseled square | 981.33 |
| T. 45 N., R. 32 W., cor. secs. 8, 9, 16, and 17, 32 ft. N. and 27 ft. E. from crossroads, 9 ft. N. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "280 C W A 1934" | 1,020.138 |
| T. 45 N., R. 32 W., SE. cor. sec. 5 (?), 30 ft. S. and 18 ft. W. from T-rd. E., in root on E. side of 24-in. maple tree; nail and washer | 1,037.15 |
| U.S. Highway 71 at crossroad, 18 ft. S. and 6 ft. W. from, on W. wall of concrete culvert; chiseled cross | 1,026.04 |

3. FROM ADRIAN QUADRANGLE NORTH ALONG U.S. HIGHWAY 71 AND STATE HIGHWAY 35 INTO HARRISONVILLE NO. 2 QUADRANGLE (by C. T. Shepherd in 1935)
(Continued from Adrian quadrangle; see line 5.)

| | |
|--|------------------|
| Archie, 1.2 mi. N. of, 30 ft. N. and 36 ft. W. from junction of private rd. W., in root on E. side of 48-in. elm tree; copper nail and washer | 795.36 798.1 |
| Junction of rd. E.; surface of highway | |
| Archie, 2.5 mi. N. of, 75 ft. S. of junction of rd. N., on head wall of culvert; chiseled square | 802.79 |
| Archie, about 3 mi. N. of, 34 ft. E. of highway, 32 ft. N. of rd. E., in concrete post; standard tablet stamped "T T 1112 W 1934" | 821.047 |
| Archie, 4 mi. N. of, 18 ft. E. of highway, on S. end of E. head wall of double concrete culvert; chiseled square | 813.44 837.14 |
| Junction of rd. E., on S. head wall of culvert; (mark not described) | |
| Archie, 5 mi. N. of, 12 ft. W. of highway, on top of SW. wing wall of concrete bridge; chiseled square | 817.85 836.71 |
| Culvert, W. of highway, on S. head wall; (mark not described) | |
| Harrisonville, 5.2 mi. S. of SW. limits of, 39 ft. E. of highway, 280 ft. N. of hedge fence, 4 ft. SE. of NW. corner of barnlot of S. M. Wirt, in concrete post; standard tablet stamped "T T 1113 W 1934" | 867.201 869.3 |
| Crossroad; surface of highway | |

| | <u>Feet</u> |
|---|-------------|
| Harrisonville, 5 mi. S. of, 25 ft. S. of E.-W. hedge fence, at junction of farm entrance W., on S. wing wall of culvert; chiseled square | 879.64 |
| Junction of rd. R.; surface of highway | 882.6 |
| Harrisonville, 4 mi. S. of, 300 ft. S. of entrance to Roy Carmichael farm, on center of E. head wall of double concrete culvert; chiseled square | 818.23 |
| Crossroad; surface of highway | 877.7 |
| Harrisonville, 2.5 mi. S. of, 0.5 mi. S. of junction of State Highway 35, 29 ft. W. of highway at fence E., in concrete post; standard tablet stamped "T 1114 W 1934" | 880.632 |
| Harrisonville, 2 mi. S. of, 30 ft. S. and 20 ft. E. from junction of State Highway 35, on S. head wall of concrete culvert; chiseled square | 894.79 |
| Harrisonville, 1 mi. S. of, 600 ft. S. of entrance to farm of F. W. Crawford, on W. head wall of concrete culvert; chiseled square | 935.67 |
| Harrisonville, at SW. limits of, 30 ft. S. and 37 ft. W. from crossroad, in NW. corner of yard of A. J. Miller, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934" | 892.278 |
| Harrisonville, at Missouri Pacific R.R. underpass, 10 ft. S. of SE. cast-iron shoe, on E. bridge seat; chiseled square | 890.48 |
| Harrisonville, 0.2 mi. NW. of, 700 ft. E. of junction of State Highway 35, on N. head wall of concrete culvert; chiseled square | 891.18 |
| Junction of State Highway 35; surface of highway | 907.6 |
| Harrisonville, 1.2 mi. N. of, 50 ft. N. and 20 ft. E. from junction of rd. W., on E. head wall of concrete culvert; chiseled square | 975.97 |
| Junction of rd. E.; surface of highway | 989.2 |
| Harrisonville, 2.2 mi. N. of, 20 ft. N. and 35 ft. W. from crossroad, in root on E. side of 48-in. elm tree; copper nail and washer | 966.96 |
| T. 45 N., R. 31 W., S. sixteenth cor. between secs. 20 and 21, 12 ft. S. and 25 ft. W. from crossroad, on S. head wall of concrete culvert; chiseled square | 994.60 |
| T. 45 N., R. 31 W., E. quarter cor. sec. 8, 20 ft. S. and 20 ft. E. from crossroad, on S. wing wall of culvert; chiseled square | 961.28 |
| Crossing of St. Louis-San Francisco Ry., at NE. corner of, on pavement; chiseled square | 1,014.41 |

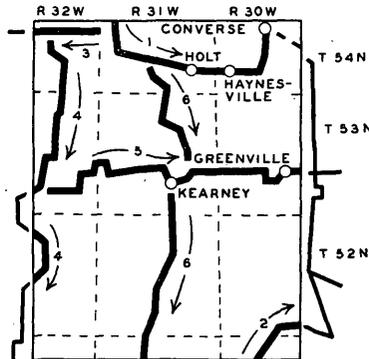
4. FROM HARRISONVILLE EAST ABOUT 2 MILES ALONG STATE HIGHWAY 131
(by C. T. Shepherd in 1935)

| | |
|--|-----------|
| Harrisonville, 0.5 mi. E. of, on top of SW. handrail post of bridge 2510; chiseled square | 892.97 |
| Harrisonville, 1.7 mi. E. of, 75 ft. N. of highway, at windmill, on SW. corner of concrete pump curb; chiseled cross | 1,008.75 |
| Junction of rd. N.; surface of highway | 981.4 |
| Fulton triangulation sta.; U.S.C. & G.S. standard disk stamped "Fulton" | 1,053.486 |

For additional level lines along Missouri Pacific R.R., St. Louis-San Francisco Ry., and Missouri-Kansas-Texas R.R., refer to United States Coast and Geodetic Survey first-order lines, Harrisonville to Monett and Holliday, Kans. to Harrisonville, Mo.; and second-order line, Council Grove, Kans. to Clinton, Mo.

KEARNEY QUADRANGLE
(Latitude 39°15'-39°30'; longitude 94°15'-94°30')

Clay and Clinton Counties



1. FROM PLATTSBURG QUADRANGLE AT SEC. 7, T. 54 N., R. 31 W., SOUTH TO SEC. 19, T. 54 N., R. 31 W., THENCE EAST TO SEC. 28, T. 54 N., R. 30 W., THENCE NORTH INTO PLATTSBURG QUADRANGLE AT SEC. 9, T. 54 N., R. 30 W. (by W. R. Broadus in 1923)

| | <u>Feet</u> |
|---|-------------|
| T. 54 N., R. 31 W., about 0.2 mi. N. of center sec. 18, 130 ft. E. of T-rd. E., on N. head wall of concrete culvert; chiseled square | 1,015.98 |
| T. 54 N., R. 31 W., quarter cor. between secs. 18 and 19, 390 ft. S. of T-rd. E., E. of rd., on head wall of concrete culvert; chiseled square | 1,016.72 |
| T. 54 N., R. 31 W., quarter cor. between secs. 19 and 30, NE. of crossroads, in fence corner, in root on N. side of 18-in. hedge tree; copper nail and washer | 1,028.59 |
| T. 54 N., R. 31 W., E. sixteenth cor. between secs. 20 and 29, NW. of T-rd. W., 5 ft. NW. of telephone pole, in fence corner, in concrete post; standard tablet stamped "B 1923 Mo" | 991.689 |
| Reference mark, 98 ft. N. of tablet, in fence line, in root on E. side of 18-in. wild-cherry tree; copper nail and washer | 996.37 |
| T. 54 N., R. 31 W., 700 ft. N. of center sec. 28, 690 ft. W. of bridge over Clear Creek, NW. of T-rd. N., on W. head wall of concrete culvert; chiseled square | 893.25 |
| T. 54 N., R. 31 W., center of SW 1/4 sec. 27, 80 ft. W. of junction of dim rd. N., S. of rd., on top of SW. wing wall of concrete culvert; chiseled square | 911.24 |
| T. 54 N., R. 31 W., S. sixteenth cor. between secs. 26 and 27, 15 ft. S. and 35 ft. W. from T-rd. W., 4 ft. S. of fence, in concrete post; standard tablet stamped "B 1923 Mo" | 913.538 |
| Reference mark, 262 ft. S. of tablet, in root on NW. side of 30-in. cottonwood tree; copper nail and washer | 909.15 |
| Holt, 300 ft. S. of Christian Church, SW. of street intersection, 2 ft. W. of sidewalk, in root of 30-in. elm tree; copper nail and washer | 864.75 |
| T. 54 N., R. 31 W., E. sixteenth cor. between secs. 25 and 36, 30 ft. N. and 5 ft. E. from crossroads, 7 ft. N. of corner fence post, in root on E. side of 18-in. elm tree; copper nail and washer | 963.24 |
| Haynesville, about 0.2 mi. S. of center sec. 30, T. 54 N., R. 30 W., NE. of T-rd. E., 6 ft. NE. of corner fence post, in concrete post; standard tablet stamped "B 1923 Mo" | 1,019.724 |
| Reference mark, 96 ft. S. of tablet, E. of rd., in root on S. side of 18-in. locust tree; copper nail and washer | 1,019.92 |
| T. 54 N., R. 30 W., in SW 1/4 SW 1/4 sec. 29, 360 ft. NE. of rd. forks, 350 ft. NE. of small barn, E. of rd., 2 ft. E. of fence, in root on W. side of 36-in. white-oak tree; copper nail and washer | 921.88 |
| T. 54 N., R. 30 W., E. sixteenth cor. sec. 29, 10 ft. N. and 50 ft. E. from rd. corner S.-E. at private lane N., in root on S. side of 24-in. elm tree; copper nail and washer | 1,044.87 |
| T. 54 N., R. 30 W., center sec. 28, N. of E.-W. rd., at jog in N.-S. rd., on N. head wall of concrete culvert; chiseled square | 1,043.58 |
| T. 54 N., R. 30 W., near quarter cor. between secs. 21 and 28, 600 ft. E. of Huffaker School, 18 ft. S. and 28 ft. W. from rd. at lane W., 6 ft. S. of S. line of lane, in concrete post; standard tablet stamped "B 1923 Mo" | 1,004.000 |
| Reference mark, 118 ft. N. 20° E. of tablet, on W. head wall of concrete culvert; chiseled square | 999.93 |
| T. 54 N., R. 30 W., center sec. 21, 140 ft. N. of bridge over small creek, 75 ft. S. of T-rd. E., W. of rd., in root on NW. side of 18-in. walnut tree; copper nail and washer | 963.45 |
| T. 54 N., R. 30 W., W. sixteenth cor. between secs. 16 and 21, 25 ft. N. and 130 ft. W. from crossroads, in fence line, in root on S. side of 14-in. wild-cherry tree; copper nail and washer | 1,012.30 |
| Converse, 0.2 mi. W. of, W. sixteenth cor. between secs. 9 and 16, T. 54 N., R. 30 W., 35 ft. S. and 35 ft. W. from crossroads, in root on W. side of 18-in. wild-cherry tree; copper nail and washer | 1,074.18 |

2. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 9, T. 51 N., R. 30 W.,
NORTHEAST INTO LAWSON QUADRANGLE AT SEC. 34, T. 52 N.,
R. 30 W. (by L. V. Johnson in 1932)

| | <u>Feet</u> |
|--|-------------|
| Missouri City, 1 mi. NE. of, in SW 1/4 SW 1/4 sec. 4, T. 51 N., R. 30 W., 120 ft. W. of rd. forks, on S. concrete head wall of culvert; chiseled square | 736.73 |
| Missouri City, 1.6 mi. NE. of, center sec. 4, T. 51 N., R. 30 W., 80 ft. S. of rd. forks, at SE. corner of bridge over drainage ditch, on concrete head wall; chiseled square | 733.88 |
| T. 52 N., R. 30 W., in SW 1/4 sec. 34, about 600 ft. SE. of Lunsford School, 13 ft. S. and 26 ft. W. from rd. forks, in concrete post; standard tablet stamped "T 278 B 1932" | 879.054 |
| T. 52 N., R. 30 W., center of SE 1/4 sec. 34, 7 ft. N. and 17 ft. W. from W. point of triangle formed by rd. forks, 2 ft. S. of stone wall, in root on SE. side of 12-in. elm tree; copper nail and washer | 881.54 |

(Continued in Lawson quadrangle; see line 4.)

3. FROM SEC. 7, T. 54 N., R. 31 W., WEST INTO SMITHVILLE QUADRANGLE
AT SEC. 16, T. 54 N., R. 32 W. (by C. T. Shepherd in 1934)

| | |
|--|----------|
| T. 54 N., R. 31 W., quarter cor. between secs. 7 and 18, 50 ft. N. and 30 ft. E. from, in base of transmission-line pole; bolt | 1,049.08 |
| T. 54 N., R. 32 W., W. sixteenth cor. sec. 13, 18 ft. N. and 8 ft. E. from T-rd. N., on E. head wall of concrete culvert; chiseled square | 988.90 |
| T. 54 N., R. 32 W., E. sixteenth cor. sec. 15, 12 ft. N. and 85 ft. W. from T-rd. N., in base of telephone pole; bolt | 981.29 |
| T. 54 N., R. 32 W., S. sixteenth cor. between secs. 15 and 16, 20 ft. S. and 100 ft. W. from T-rd. W., in stump of 18-in. oak tree; copper nail and washer | 952.29 |

(Continued in Smithville quadrangle; see line 8.)

4. FROM SEC. 22, T. 54 N., R. 32 W., SOUTH INTO SMITHVILLE
QUADRANGLE AT SEC. 21, T. 52 N., R. 32 W. (by C. T. Shepherd
in 1934)

| | |
|---|-----------|
| T. 54 N., R. 32 W., cor. secs. 21, 22, 27, and 28, 9 ft. N. and 50 ft. E. from T-rd. E., on N. head wall of culvert; chiseled square | 929.80 |
| T. 54 N., R. 32 W., near quarter cor. between secs. 26 and 27, 10 ft. N. of rd., in base of telephone pole; spike | 948.74 |
| T. 54 N., R. 32 W., near center sec. 35, on NE. corner of bridge abutment; chiseled square | 881.32 |
| T. 53 N., R. 32 W., W. sixteenth cor. sec. 2, 500 ft. S. of rd. corner E.-S., 10 ft. E. of rd., in root of 20-in. walnut tree; nail | 910.68 |
| T. 53 N., R. 32 W., E. sixteenth cor. between secs. 3 and 10, 250 ft. S. of T-rd. E., on E. head wall of concrete culvert; chiseled square | 848.89 |
| T. 53 N., R. 32 W., on line between secs. 15 and 22, 175 ft. E. of T-rd. S., N. of rd., on E. head wall of culvert; chiseled square | 889.35 |
| T. 53 N., R. 32 W., near E. sixteenth cor. sec. 21, 50 ft. S. and 50 ft. W. from T-rd. S., in root of 14-in. wild-cherry tree; copper nail and washer | 975.75 |
| T. 53 N., R. 32 W., E. sixteenth cor. sec. 28, 20 ft. S. and 5 ft. E. from T-rd. N.; iron post stamped "Prim Trav Sta No 3 1911 Mo" | 1,007.342 |

(For balance in Smithville quadrangle, see line 7.)

| | |
|---|----------|
| T. 52 N., R. 32 W., S. sixteenth cor. between secs. 3 and 4, 100 ft. S. and 30 ft. W. from T-rd. S., at fence corner, in hedge post; copper nail and washer | 986.85 |
| T. 52 N., R. 32 W., cor. secs. 9, 10, 15, and 16, 200 ft. N. of farmhouse of Allen Brooks, on E. wall of concrete bridge; chiseled square | 1,025.63 |

(Continued in Smithville quadrangle; see line 7.)

5. FROM SEC. 27, T. 53 N., R. 32 W., EAST BY WAY OF KEARNEY INTO
LAWSON QUADRANGLE NEAR GREENVILLE (by C. T. Shepherd in 1934)

| | |
|---|-----------|
| T. 53 N., R. 32 W., cor. secs. 27, 28, 33, and 34, 15 ft. N. and 150 ft. E. from T-rd. N., on head wall of concrete culvert; chiseled square | 995.28 |
| T. 53 N., R. 32 W., E. sixteenth cor. between secs. 26 and 35, 35 ft. N. of State Highway 92, 24 ft. W. of rd. N., 12 ft. W. of rd. S., in corner of field, in concrete post; standard tablet stamped "450 C W A 1934" | 1,012.126 |
| T. 53 N., R. 32 W., E. sixteenth cor. sec. 23, 15 ft. S. and 100 ft. E. from T-rd. E., in root on W. side of 8-in. elm tree; copper nail and washer | 999.45 |
| T. 53 N., R. 32 W., center sec. 24, 23 ft. N. and 52 ft. E. from cross- roads, 2 ft. N. and 20 ft. E. from fence corner, in concrete post; standard tablet stamped "415 C W A 1934" | 963.737 |
| T. 53 N., R. 31 W., S. sixteenth cor. between secs. 19 and 20, 15 ft. N. and 75 ft. W. from T-rd. N., in root on S. side of 8-in. locust tree; copper nail and washer | 974.45 |
| T. 53 N., R. 31 W., near center of SW 1/4 sec. 21, 25 ft. N. and 70 ft. E. from T-rd. N., 2 ft. S. and 20 ft. E. from fence corner, in concrete post; standard tablet stamped "417 C W A 1934" | 921.990 |

| | <u>Feet</u> |
|---|-------------|
| T. 53 N., R. 31 W., near S. sixteenth cor. sec. 22, SW. of County Route B at rd. W., on concrete head wall of culvert; chiseled square | 802.27 |
| T. 53 N., R. 31 W., near cor. secs. 22, 23, 26, and 27, 12 ft. S. and 200 ft. E. from T-rd. S., in root of 18-in. oak tree; copper nail and washer | 795.10 |
| T. 53 N., R. 31 W., near S. sixteenth cor. sec. 23, 20 ft. N. and 29 ft. W. from T-rd. N., in pasture of D. M. Hall, 2 ft. inside fence, in concrete post; standard tablet stamped "413 C W A 1934" | 796.901 |
| T. 53 N., R. 31 W., in W 1/2 sec. 24, 50 ft. E. of T-rd. N., at concrete bridge, on top of E. end of S. handrail; painted cross | 831.45 |
| T. 53 N., R. 30 W., near center sec. 19, 500 ft. E. of T-rd. N., at steel bridge over Carroll Creek, on N. end of W. parapet wall; chiseled square | 812.19 |
| T. 53 N., R. 30 W., center sec. 20, 90 ft. W. of T-rd. S., 2 ft. SW. of fence, in concrete post; standard tablet stamped "451 C W A 1934" | 902.122 |
| T. 53 N., R. 30 W., near W. sixteenth cor. sec. 21, at overpass crossing of Chicago, Rock Island & Pacific Ry., at W. end of N. guardrail; first bolt | 935.01 |
| Greenville, in SW 1/4 sec. 22, T. 53 N., R. 30 W., 30 ft. S. of T-rd. W., W. of rd., in root of 18-in. walnut tree; copper nail and washer | 881.32 |

(Continued in Lawson quadrangle; see line 5.)

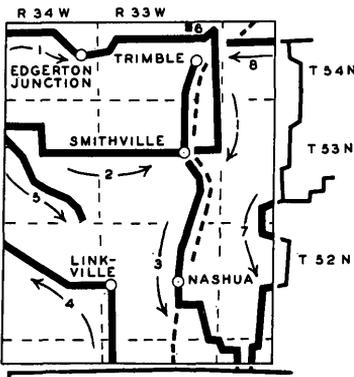
6. FROM SEC. 34, T. 54 N., R. 31 W., SOUTH ALONG COUNTY ROUTE B INTO INDEPENDENCE NO. 3 QUADRANGLE (by C. T. Shepherd in 1934)

| | |
|---|--------|
| T. 54 N., R. 31 W., 300 ft. S. of center sec. 34, 100 ft. W. of highway, in root on W. side of 30-in. box-elder tree; nail and washer | 910.33 |
| T. 53 N., R. 31 W., near N. sixteenth cor. sec. 3, on W. head wall of culvert; chiseled square | 894.06 |
| T. 53 N., R. 31 W., quarter cor. between secs. 3 and 10, NW. of crossroad, on N. head wall of concrete culvert; chiseled square | 963.47 |
| T. 53 N., R. 31 W., near N. sixteenth cor. sec. 15, on E. head wall of concrete culvert; chiseled square | 897.04 |
| Kearney, at N. limits of, 36 ft. S. and 22 ft. W. from intersection of E.-W. street, in root on E. side of 18-in. elm tree; nail and washer | 833.06 |
| T. 53 N., R. 31 W., near S. sixteenth cor. between secs. 34 and 35, 0.3 mi. N. of crossroad, on W. head wall of concrete culvert; (mark not described) | 789.25 |
| T. 52 N., R. 31 W., on line between secs. 2 and 3, at bridge over Fishing River, on E. end of N. abutment; chiseled square | 784.38 |
| T. 52 N., R. 31 W., S. sixteenth cor. between secs. 10 and 11, near crossroad, on N. head wall of second concrete culvert E. of highway; chiseled cross | 879.49 |
| T. 52 N., R. 31 W., in NW 1/4 SE 1/4 sec. 15, at bridge over Holmes Creek, on center of W. wing wall; chiseled square | 817.00 |
| T. 52 N., R. 31 W., in NW 1/4 NW 1/4 sec. 27, 150 ft. S. of junction of U.S. Highway 69, in root on W. side of 24-in. hackberry tree; nail and washer | 949.67 |
| T. 52 N., R. 31 W., in NE 1/4 NW 1/4 sec. 33, 60 ft. NE. of junction of rd. NE., on N. head wall of concrete culvert; chiseled square | 928.96 |

For an additional level line along Atchison, Topeka & Santa Fe Ry., refer to United States Coast and Geodetic Survey second-order line, St. Joseph to Lexington.

SMITHVILLE QUADRANGLE
(Latitude 39°15'-39°30'; longitude 94°30'-94°45')

Clay, Clinton, and Platte Counties



1. FROM LEAVENWORTH QUADRANGLE AT SEC. 17, T. 54 N., R. 34 W., EAST TO SEC. 13, T. 54 N., R. 33 W., THENCE SOUTH TO SMITHVILLE (by P. W. McMillen and J. B. Leavitt in 1912)

| | <u>Feet</u> |
|---|-------------|
| T. 54 N., R. 34 W., quarter cor. between secs. 8 and 17, NE. of crossroads; iron post stamped "Prim Trav Sta No 2 1906 Mo 1028" | 1,026.399 |
| T. 54 N., R. 34 W., 900 ft. W. of cor. secs. 9, 10, 15, and 16, at NW. corner of stone culvert, in root of 10-in. willow tree; copper nail | 890.79 |
| Edgerton Junction, 2.1 mi. NW. of, along Chicago, Rock Island & Pacific Ry., 50 ft. N. of track, in root of 12-in. elm tree; copper nail | 909.25 |
| Edgerton Junction, about 1 mi. NW. of, along Chicago, Rock Island & Pacific Ry., 0.2 mi. N. of cor. secs. 14, 15, 22, and 23, T. 54 N., R. 34 W., 15 ft. SE. of rd. crossing; iron post stamped "870" | 868.504 |
| Edgerton Junction, 200 ft. NW. of Chicago, Rock Island & Pacific Ry. sta., 100 ft. W. of store, in root of 15-in. maple tree; copper nail | 804.48 |
| Edgerton Junction, 0.5 mi. E. of, along Chicago, Rock Island & Pacific Ry., at rd. crossing; surface of rd. | 797.2 |
| Edgerton Junction, 1.1 mi. SE. of, in SE 1/4 NE 1/4 sec. 24, T. 54 N., R. 34 W., 60 ft. E. of bridge over Platte River; in center of triangle formed by rd. forks; iron post stamped "Mo 797" | 795.495 |
| Mount Zion School, 0.5 mi. W. of, near quarter cor. between secs. 18 and 19, T. 54 N., R. 34 W., at top of hill, at N. edge of rd. opposite dwelling of V. Combe, in root of 12-in. hickory tree; copper nail | 927.34 |
| T. 54 N., R. 33 W., in W 1/2 sec. 17, about 0.8 mi. S. of Edgerton; 40 ft. S. and 35 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 6 1911 Mo 854" | 852.821 |
| T. 54 N., R. 33 W., near N. sixteenth cor. between secs. 15 and 16, 250 ft. E. of T-rd. E., 25 ft. S. of rd., in root of oak tree; copper nail | 930.77 |
| Trimble, 1.5 mi. N. and 0.8 mi. W. from, in NE 1/4 sec. 15, T. 54 N., R. 33 W., 50 ft. E. of small drain, at N. edge of rd., in line with fence N.; iron post stamped "Mo 962" | 960.959 |
| Trimble, 1.5 mi. N. of, 0.2 mi. E. of crossing of abandoned R.R., NE. of T-rd. N., in root of 12-in. elm tree; copper nail | 999.23 |
| T. 54 N., R. 33 W., near center of NE 1/4 sec. 13, 9 ft. N. and 12 ft. E. from rd. corner N.-W., 2 ft. W. of fence; iron post stamped "Mo 882" | 881.265 |
| Trimble, 2.5 mi. NE. of, at steel bridge over Linn Branch; surface of floor | 861.7 |
| Trimble, 1 mi. NE. of, near center of NE 1/4 sec. 24, T. 54 N., R. 33 W., 100 ft. S. of T-rd. W., at W. edge of rd., in root of 30-in. elm tree; copper nail | 950.79 |
| T. 54 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, 20 ft. N. of rd. corner, at W. edge of rd., iron post stamped "Mo 855" | 854.423 |
| Paradise, 1 mi. NW. of, in E 1/2 sec. 6, T. 53 N., R. 32 W., 500 ft. S. of bridge over Little Platte River, at E. edge of rd., in root of 15-in. elm tree; copper nail | 816.10 |
| T. 53 N., Rs. 32 and 33 W., quarter cor. between secs. 7 and 12, 20 ft. SW. of rd. corner; iron post stamped "Mo 876" | 874.037 |
| T. 53 N., R. 33 W., quarter cor. between secs. 11 and 12, 100 ft. S. of T-rd. S., E. of rd., in root of 12-in. elm tree; copper nail | 937.53 |
| Smithville, 1 mi. N. of, near center sec. 14, T. 53 N., R. 33 W., 100 ft. S. of rd. corner, in root of 12-in. oak tree; copper nail | 909.91 |
| Smithville, 450 ft. N. of bridge over Little Platte River, 60 ft. E. of T-rd. S., at S. edge of rd., in root of 20-in. maple tree; copper nail | 803.77 |

2. FROM LEAVENWORTH QUADRANGLE AT SEC. 5, T. 53 N., R. 34 W., EAST TO SMITHVILLE, THENCE NORTH TO TRIMBLE (by P. W. McMillen and J. B. Leavitt in 1912)

| | <u>Feet</u> |
|---|-------------|
| T. 53 N., R. 34 W., on line between secs. 5 and 8, 20 ft. NW. of Chicago, Rock Island & Pacific Ry. at rd. crossing; iron post stamped "Mo 855" | 853.663 |
| T. 53 N., R. 34 W., 700 ft. W. of cor. secs. 9, 10, 15, and 16, at SW. corner of T-rd. S.; iron post stamped "Mo 785" | 784.716 |
| Platte River, under Mellon Bridge; surface of water May 23, 1912 | 756.0 |
| T. 53 N., R. 34 W., 600 ft. W. of cor. secs. 11, 12, 13, and 14, 100 ft. E. of T-rd. N., at S. edge of E.-W. rd.; iron post stamped "Mo 916" | 914.712 |
| Reference mark, 100 ft. W. of post, 3 ft. S. of T-rd. N., in root of tree; copper nail | 910.38 |
| Little Platte River, under covered bridge; surface of water May 23, 1912 | 97.9 |
| T. 53 N., R. 33 W., near center sec. 17, 60 ft. SE. of Collins School, 50 ft. N. of rd.; near wire fence; iron post stamped "Mo 844" | 842.915 |
| T. 53 N., R. 33 W., about 0.1 mi. E. of center sec. 16, 1.1 mi. E. of Collins School, at top of hill, at S. edge of rd., in root of 30-in. oak tree; copper nail | 844.81 |
| Smithville, 1.2 mi. NW. of, near center sec. 15, T. 53 N., R. 33 W., 50 ft. W. of rd. forks, at S. edge of E.-W. rd., in root of 15-in. walnut tree; copper nail | 884.37 |
| Smithville, 450 ft. N. of bridge over Little Platte River, at S. edge of E.-W. rd., in line with main street; iron post stamped "Mo 805" | 804.626 |
| Smithville, opposite operator's window at Quincy, Omaha & Kansas City R.R. sta.; top of N. rail | 826.1 |
| Little Platte River at Smithville, under bridge at N. end of Bridge Street; surface of water Aug. 3, 1912 | 791.8 |
| T. 53 N., R. 33 W., near E. sixteenth cor. between secs. 10 and 15, 125 ft. N. of rd. corner, on bank of small stream; in root of 12-in. elm tree; copper nail | 859.64 |
| Trimble, 2.6 mi. S. of, near E. sixteenth cor. sec. 2, T. 53 N., R. 33 W., 100 ft. SW. of Quincy, Omaha & Kansas City R.R. at milepost 222, in root of 15-in. elm tree; copper nail | 922.46 |
| Trimble, 100 ft. E. of Quincy, Omaha & Kansas City R.R. sta., at E. edge of rd., in root of 24-in. elm tree; copper nail | 929.82 |

3. FROM SMITHVILLE SOUTH ALONG QUINCY, OMAHA & KANSAS CITY RAILROAD AND ROADS INTO ARMOURDALE QUADRANGLE AT SEC. 8, T. 51 N., R. 32 W. (by P. W. McMillen and J. B. Leavitt in 1912)

| | |
|---|-----------|
| Smithville, 2.2 mi. S. of, near S. quarter cor. sec. 35, T. 53 N., R. 33 W., 30 ft. NE. of rd. crossing; iron post stamped "Mo 873" | 872.472 |
| Amory sta., opposite semaphore; top of W. rail | 871.6 |
| Amory sta., 1.2 mi. S. of, 75 ft. SE. of E.-W. rd. crossing, in root of 12-in. oak tree; spike | 900.96 |
| Nashua, 1.2 mi. N. of, 150 ft. NW. of signboard marked "Nashua", 75 ft. W. of track, in root of 12-in. cottonwood tree; spike | 958.07 |
| Nashua, 0.3 mi. NE. of sta., 15 ft. SW. of E.-W. rd. crossing; iron post stamped "Mo 998" | 996.932 |
| Nashua, opposite door to waiting room of sta.; top of E. rail | 1,011.4 |
| Nashua, 0.9 mi. S. of, 100 ft. W. of E.-W. rd. crossing, at S. edge of rd., in root of 24-in. elm tree; copper nail | 1,031.33 |
| Nashua, 1 mi. E., thence 1.5 mi. S. from, near S. sixteenth cor. sec. 25, T. 52 N., R. 33 W., 20 ft. NW. of T-rd. W.; iron post stamped "Mo 1049" | 1,048.121 |
| T. 52 N., R. 33 W., center sec. 36, 35 ft. E. of T-rd. E., in root of 15-in. elm tree; copper nail | 995.77 |
| T. 52 N., R. 32 W., in S 1/2 sec. 32, 40 ft. E. of rd. corner at private rd. NE.; iron post stamped "Mo 940" | 939.131 |
| T. 52 N., R. 32 W., center sec. 5, 1 mi. N. of Faubion School, at SW. corner of crossroads, in root of 10-in. elm tree; copper nail | 983.21 |

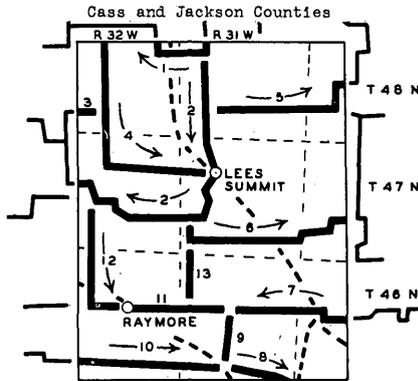
(Continued in Armourdale quadrangle; see line 1.)

4. FROM ARMOURDALE QUADRANGLE AT SEC. 7, T. 51 N., R. 33 W., NORTH TO LINKVILLE, THENCE NORTHWEST INTO LEAVENWORTH QUADRANGLE AT SEC. 5, T. 52 N., R. 34 W. (by P. W. McMillen and J. B. Leavitt in 1912)

| | |
|--|-----------|
| T. 52 N., R. 33 W., in NW 1/4 sec. 31, 120 ft. N. of T-rd. E., at W. edge of rd., in root of 12-in. wild-cherry tree; copper nail | 1,013.81 |
| T. 52 N., R. 33 W., in W 1/2 sec. 30, 35 ft. SE. of crossroads; iron post stamped "Mo 1002" | 1,001.024 |
| Rd. corner at private rd. W.; surface of ground | 1,017.2 |
| Linkville, 0.3 mi. S. of, in N 1/2 sec. 19, T. 52 N., R. 33 W., 60 ft. S. of bridge over fork of Second Creek, at E. edge of rd., in root of 24-in. elm tree; copper nail | 935.42 |
| Linkville, 0.8 mi. W. of, near line between secs. 13 and 24, T. 52 N., R. 34 W., 360 ft. E. of old R.R. grade, at rd. crossing, 30 ft. W. of private rd. S., at S. edge of rd.; iron post stamped "Mo 950" | 949.566 |
| T. 52 N., R. 34 W., quarter cor. between secs. 14 and 23, SE. of T-rd. S., in root of 15-in. elm tree; copper nail | 1,011.80 |
| T. 52 N., R. 34 W., 800 ft. N. of quarter cor. between secs. 14 and 15, 80 ft. W. of rd. forks, at N. edge of rd.; iron post stamped "Mo 935" | 934.390 |
| Steel bridge over Todd Creek, at E. end of; surface of floor | 908.2 |
| T. 52 N., R. 34 W., in SW 1/4 sec. 10, 1.8 mi. SE. of Park School, at S. edge of rd., in root of 24-in. catalpa tree; copper nail | 962.52 |
| T. 52 N., R. 34 W., in NW 1/4 sec. 9, 0.7 mi. E. of Park School, at top of hill, opposite dwelling of Strother Hay, in root of 10-in. locust tree; copper nail | 992.76 |

| | |
|---|------------------------|
| T. 52 N., R. 34 W., quarter cor. between secs. 5 and 8, 32 ft. N. and 18 ft. W. from crossroads, opposite Park School; iron post stamped "Prim Trav Sta No 3 1906 Mo 970" | <u>Feet</u> 968.530 |
| 5. FROM LEAVENWORTH QUADRANGLE SOUTH ALONG ABANDONED RAILROAD AND ROADS TO SEC. 10, T. 52 N., R. 34 W. (by P. W. McMillen and J. B. Leavitt in 1934) | |
| Settles Station, 1.2 mi. NE. of, 200 ft. NE. of crossing of Chicago, Rock Island & Pacific Ry., in root of 30-in. oak tree; copper nail | 800.19 |
| T. 53 N., R. 34 W., near line between secs. 16 and 17, 50 ft. W. of rd. crossing, at S. edge of rd., in root of 36-in. elm tree; copper nail | 784.94 753.8 |
| Platte River; surface of water July 15, 1912 | |
| T. 53 N., R. 34 W., near line between secs. 21 and 22, 0.8 mi. E. of bridge over Platte River, at N. end of rock-cut, 30 ft. E. of grade, in root of 18-in. hackberry tree; copper nail | 804.91 |
| T. 53 N., R. 34 W., in SE 1/4 sec. 22, 50 ft. SW. of rd. crossing, in root of 12-in. walnut tree; copper nail | 803.75 |
| T. 53 N., R. 34 W., on line between secs. 26 and 27, 100 ft. W. of rd. crossing, in root of 18-in. walnut tree; copper nail | 845.38 |
| T. 53 N., R. 34 W., on line between secs. 26 and 35, about 0.9 mi. W. of Hoover, 75 ft. W. of rd. crossing, at N. edge of rd., in root of 10-in. maple tree; copper nail | 877.09 |
| T. 52 N., R. 34 W., in NE 1/4 sec. 2, 700 ft. S. of rd. crossing, 40 ft. E. of old grade, in root of 24-in. oak tree; copper nail | 889.91 |
| T. 52 N., R. 34 W., on line between secs. 2 and 11, 260 ft. W. of rd. crossing, at N. edge of rd., in root of 24-in. walnut tree; copper nail | 867.90 |
| T. 52 N., R. 34 W., cor. secs. 2, 3, 10, and 11, 60 ft. NE. of crossroads, in root of 10-in. hackberry tree; copper nail | 952.41 |
| T. 52 N., R. 34 W., cor. secs. 10, 11, 14, and 15, 150 ft. NW. of crossroads, in root of 30-in. elm tree; copper nail | 925.45 |
| 6. FROM GOWER QUADRANGLE AT SEC. 11, T. 54 N., R. 33 W., SOUTH TO SEC. 14, T. 54 N., R. 33 W. (by W. R. Broadus in 1923) | |
| T. 54 N., R. 33 W., center of NE 1/4 sec. 14, 20 ft. S. and 80 ft. E. from crossroads, in fence line, in root on W. side of 12-in. locust tree; copper nail and washer | 1,000.28 |
| 7. FROM KEARNEY QUADRANGLE AT SEC. 28, T. 53 N., R. 32 W., SOUTH INTO ARMOURDALE QUADRANGLE AT SEC. 8, T. 51 N., R. 32 W. (by C. T. Shepherd in 1934) (Continued from Kearney quadrangle; see line 4.) | |
| T. 53 N., R. 32 W., cor. secs. 28, 29, 32, and 33, 30 ft. N. and 18 ft. W. from crossroads, in base of corner fence post; bolt | 994.29 |
| T. 52 N., R. 32 W., N. cor. secs. 4 and 5, 400 ft. S. of T-rd. W., on top of E. wing wall of N. abutment of concrete bridge; chiseled square | 944.29 |
| T. 52 N., R. 32 W., center sec. 4, 15 ft. N. and 30 ft. W. from rd. corner W.-S., in root on S. side of 8-in. walnut tree; copper nail and washer | 994.04 |
| (For balance in Kearney quadrangle, see line 4.) | |
| T. 52 N., R. 32 W., N. sixteenth cor. sec. 33, 30 ft. N. and 12 ft. E. from T-rd. E., on E. head wall of concrete culvert; chiseled square | 890.46 |
| T. 51 N., R. 32 W., N. quarter cor. sec. 5, 75 ft. S. of T-rd. E., at NW. corner of bridge, in floor; copper nail and washer | 879.79 |
| 8. FROM KEARNEY QUADRANGLE AT SEC. 16, T. 54 N., R. 32 W., WEST TO SEC. 13, T. 54 N., R. 33 W. (by C. T. Shepherd in 1934) (Continued from Kearney quadrangle; see line 3.) | |
| T. 54 N., R. 32 W., near W. sixteenth cor. between secs. 17 and 20, at Mecca, in NW. corner of platform of Quincy, Omaha & Kansas City R.R. sta.; bolt head | 859.12 |
| T. 54 N., R. 32 W., W. sixteenth cor. sec. 19, 30 ft. N. and 40 ft. E. from crossroads, in base of fence post; spike | 941.77 |
| For an additional level line along Quincy, Omaha & Kansas City R.R., refer to United States Coast and Geodetic Survey second-order line, Kansas City to Plattsburg. | |

HARRISONVILLE NO. 2 QUADRANGLE
(Latitude 38°45'-39°00'; longitude 94°15'-94°30')



1. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 6, T. 48 N., R. 31 W., SOUTHWEST TO LITTLE BLUE, THENCE NORTHWEST INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 10, T. 48 N., R. 32 W. (by C. E. Reick in 1932)
(Continued from Independence No. 3 quadrangle; see line 2.)

| | <u>Feet</u> |
|---|-------------|
| T. 48 N., R. 31 W., cor. secs. 6 and 7, 30 ft. N. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 245 B 1932" | 927.715 |
| Little Blue, 0.3 mi. E. of, on SW. abutment of steel bridge; chiseled square | 794.79 |
| T. 48 N., R. 32 W., 940 ft. N. of center sec. 11, 40 ft. NW. of T-rd. W., on SW. corner of concrete well curb; chiseled square | 796.43 |
| T. 48 N., R. 32 W., N. sixteenth cor. sec. 10, 20 ft. S. and 15 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T 246 B 1932" | 924.134 |
| Reference mark, 600 ft. N. of tablet, in root of 12-in. oak tree; nail | 927.64 |

(Continued in Independence No. 3 quadrangle; see line 3.)

2. FROM SEC. 6, T. 48 N., R. 31 W., SOUTH ALONG JACKSON COUNTY HIGHWAY 10-E TO LEES SUMMIT, THENCE SOUTH ALONG ROADS TO SEC. 19, T. 47 N., R. 31 W., THENCE WEST INTO OLATHE NO. 1 QUADRANGLE AT SEC. 7, T. 47 N., R. 32 W. (by A. V. Ferry in 1933)

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| T. 48 N., R. 31 W., W. cor. secs. 6 and 7, 30 ft. N. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 245 B 1932" | 927.715 |
| Reference mark, 70 ft. S. and 230 ft. E. from junction of rd. E., in root on NW. side of 24-in. elm tree; copper nail and washer | 920.70 |
| T. 48 N., R. 31 W., near W. cor. secs. 7 and 18, 35 ft. N. and 25 ft. W. from crossroad, on N. head wall of concrete culvert; chiseled square | 926.37 |
| T. 48 N., R. 31 W., 600 ft. E. of SW. cor. sec. 18, 130 ft. N. and 33 ft. W. from junction of rd. E., at filling sta., on S. end of gasoline-pump base; chiseled square | 988.60 |
| T. 48 N., R. 31 W., in SE 1/4 SW 1/4 sec. 19, 90 ft. S. and 30 ft. E. from junction of rd. S., 4 ft. N. and 6 ft. W. from telephone pole, in concrete post; standard tablet stamped "T T 16 T 1933 925" | 924.754 |
| Reference mark, 50 ft. S. and 60 ft. W. from tablet, in root on SE. side of 18-in. maple tree; copper nail and washer | 931.65 |
| T. 48 N., R. 31 W., in NW 1/4 NE 1/4 sec. 30, 20 ft. W. of highway, on W. head wall of concrete culvert; chiseled square | 922.54 |
| T. 48 N., R. 31 W., E. sixteenth cor. sec. 30, 37 ft. N. and 30 ft. E. from junction of Jackson County Highway 8-S, on N. head wall of concrete culvert; chiseled square | 981.08 |
| T. 48 N., R. 31 W., E. sixteenth cor. between secs. 30 and 31, 50 ft. E. of highway, in root on N. side of 24-in. hedge tree; copper nail and washer | 1,003.80 |
| Lees Summit, at N. limits of, 42 ft. N. and 24 ft. W. from junction of rd. W., 3 ft. S. and 4 ft. E. from transmission-line pole, in concrete post; standard tablet stamped "T T 17 T 1933 1059" | 1,058.524 |
| Reference mark, 35 ft. N. of tablet, in root on S. side of 24-in. locust tree; copper nail and washer | 1,058.52 |
| Lees Summit, 40 ft. N. and 23 ft. E. from intersection of East Third and South Douglas Streets, on top of NE. curb; chiseled square | 1,025.25 |
| T. 47 N., R. 31 W., near center sec. 8, 25 ft. S. and 85 ft. W. from U.S. Highway 50 at junction of rd. NW., on S. head wall of concrete culvert; chiseled square | 1,025.23 |
| T. 47 N., R. 31 W., 600 ft. E. of quarter cor. between secs. 7 and 8, 50 ft. N. and 160 ft. E. from U.S. Highway 50 at State Highway 35, in root on S. side of 12-in. walnut tree; copper nail and washer | 1,047.60 |

| | <u>Feet</u> |
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| T. 47 N., R. 31 W., cor. secs. 7, 8, 17, and 18, 25 ft. N. and 50 ft. W. from crossroads, in root on SE. side of 24-in. soft-maple tree; copper nail and washer | 1,038.00 |
| Bowler triangulation sta.; U.S.C. & G.S. standard disk stamped "Bowler" N. reference mark; U.S.C. & G.S. limestone post | 1,085.287 |
| T. 47 N., R. 31 W., cor. secs. 17, 18, 19, and 20, 25 ft. E. of rd., in SW. side of 12-in. hedge tree; copper nail and washer | 1,085.325 |
| T. 47 N., R. 31 W., E. sixteenth cor. between secs. 19 and 30, 30 ft. S. and 30 ft. W. from T-rd. N., in root on NW. side of 18-in. elm tree; copper nail and washer | 985.33 |
| T. 47 N., Rs. 31 and 32 W., cor. secs. 19, 24, 25, and 30, 30 ft. S. and 69 ft. E. from Jackson County Highway 10-E at crossroad, 7 ft. N. and 70 ft. E. from highway at fence E., in concrete post; stamped "T 18 T 1933 1022" | 1,004.75 |
| Reference mark, 290 ft. W. of tablet, 20 ft. N. of rd., in root on SE. side of 30-in. cottonwood tree; nail and washer | 1,022.208 |
| T. 47 N., R. 32 W., cor. secs. 23, 24, 25, and 26, 15 ft. S. and 65 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square | 1,025.37 |
| T. 47 N., R. 32 W., cor. secs. 22, 23, 26, and 27, 25 ft. N. and 55 ft. W. from T-rd. S., in root on SE. side of 24-in. soft-maple tree; nail and washer | 967.64 |
| T. 47 N., R. 32 W., cor. secs. 21, 22, 27, and 28, 20 ft. N. of rd., in base of crooked 12-in. hedge tree; nail and washer | 992.19 |
| T. 47 N., R. 32 W., quarter cor. between secs. 21 and 28, 28 ft. N. and 24 ft. W. from T-rd. E., 6 ft. N. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 19 T 1933 1006" | 1,009.38 |
| Reference mark, 25 ft. S. and 215 ft. E. from T-rd. E., in root on NE. side of 20-in. soft-maple tree; copper nail and washer | 1,006.340 |
| T. 47 N., R. 32 W., center of SE 1/4 sec. 20, 20 ft. S. and 30 ft. W. from T-rd. E., in N. side of transmission-line pole; nail | 1,008.48 |
| T. 47 N., R. 32 W., E. sixteenth cor. between secs. 17 and 20, 55 ft. S. and 55 ft. W. from junction of Jackson County Highways 13-S and 5-B, on S. head wall of concrete culvert; chiseled square | 953.67 |
| T. 47 N., R. 32 W., E. sixteenth cor. between secs. 18 and 19, 34 ft. N. and 24 ft. E. from T-rd. N., 4 ft. N. and 8 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 20 T 1933 902" | 1,036.85 |
| Reference mark, 0.2 mi. E. of tablet, near E. end of bridge, on S. curb; chiseled square | 902.274 |
| T. 47 N., R. 32 W., E. sixteenth cor. between secs. 7 and 18, 50 ft. N. and 15 ft. W. from T-rd. S., in root on W. side of 12-in. hedge tree; nail and washer | 898.00 |
| | 912.13 |

(Continued in Olathe No. 1 quadrangle; see line 1.)

3. FROM OLATHE NO. 1 QUADRANGLE AT SEC. 30, T. 48 N., R. 32 W. (by A. V. Ferry in 1933)
(Continued from Olathe No. 1 quadrangle; see line 1.)

T. 48 N., R. 32 W., center sec. 30, 38 ft. S. and 78 ft. W. from crossroads, 2 ft. N. of board fence, in concrete post; standard tablet stamped "T T 22 T 1933 1011" 1,011.333

4. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 7, T. 48 N., R. 32 W., SOUTH TO SEC. 30, T. 48 N., R. 32 W., THENCE SOUTHEAST TO LEES SUMMIT (by R. F. Gallup in 1933)
(Continued from Independence No. 3 quadrangle; see line 11.)

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| T. 48 N., R. 32 W., cor. secs. 7, 8, 17, and 18, about 125 ft. N. and 20 ft. E. from, on E. concrete head wall of culvert under Blue Ridge Boulevard; chiseled square | 1,004.88 |
| T. 48 N., R. 32 W., quarter cor. between secs. 17 and 18, 15 ft. N. and 740 ft. W. from, 15 ft. N. and 25 ft. W. from intersection of Seventy-ninth Street and Blue Ridge Boulevard, on N. end of concrete pipe culvert; chiseled square | 1,017.60 |
| T. 48 N., R. 32 W., quarter cor. between secs. 18 and 19, about 500 ft. N. and 100 ft. E. from, on N. head wall of culvert under Blue Ridge Boulevard; chiseled square | 1,012.85 |
| T. 48 N., R. 32 W., 0.2 mi. E. of quarter cor. between secs. 19 and 20, 135 ft. W. of red granite Santa Fe Trail marker, in root on S. side of box-elder tree; copper nail and washer | 1,036.66 |
| T. 48 N., R. 32 W., quarter cor. between secs. 19 and 30, 130 ft. S. and 35 ft. W. from, in root on E. side of 30-in. elm tree; copper nail and washer | 1,020.78 |
| T. 48 N., R. 32 W., about 250 ft. S. and 70 ft. W. from center sec. 29, at Union Point School, on W. end of second concrete step at entrance; chiseled square | 984.45 |
| T. 48 N., R. 32 W., 45 ft. S. and 50 ft. W. from center sec. 28, in root on E. side of maple tree; copper nail and washer | 953.61 |
| T. 48 N., R. 32 W., quarter cor. between secs. 28 and 33, 32 ft. S. of rd. corner N.-E. produced, 37 ft. S. of 24-in. oak tree (original witness tree), 2 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T 6 BO 1933 935" | 934.789 |
| Reference mark, 21 ft. S. and 150 ft. E. from tablet, in root on N. side of 24-in. oak tree; copper nail and washer | 929.56 |
| T. 48 N., R. 32 W., 120 ft. N. of quarter cor. between secs. 33 and 34, on S. end of E. concrete head wall of culvert; chiseled square | 815.27 |
| T. 48 N., R. 32 W., SE. cor. sec. 33, on NW. corner of concrete well cap; chiseled square | 956.63 |

| | <u>Foot</u> |
|---|-------------|
| T. 47 N., R. 32 W., N. cor. secs. 2 and 3, 30 ft. N. and 110 ft. W. from rd. at private drive S., 45 ft. N. and 360 ft. W. from rd. at fence N. at S. cor. secs. 34 and 35, T. 48 N., R. 32 W., 3 ft. N. of telephone pole, in concrete post; standard tablet stamped "T 24 T 1933 936" | 935.968 |
| Reference mark, 65 ft. S. and 75 ft. E. from tablet, in root on N. side of 12-in. walnut tree; copper nail and washer | 924.03 |
| T. 48 N., R. 32 W., near center of SE 1/4 sec. 35, N. of rd., in root on E. side of hedge tree; copper nail and washer | 992.04 |
| T. 48 N., R. 32 W., 25 ft. N. and 55 ft. W. from SE. cor. sec. 35, in root on E. side of 10-in. elm tree; copper nail and washer | 1,000.32 |
| T. 48 N., R. 31 W., 15 ft. N. and 16 ft. E. from SW. cor. sec. 31, on S. end of concrete head wall of culvert; chiseled square | 1,001.69 |

5. FROM SEC. 31, T. 48 N., R. 31 W., EAST ALONG JACKSON COUNTY HIGHWAY 8-S TO SEC. 29, T. 48 N., R. 30 W., THENCE NORTH ALONG ROADS INTO LONEJACK QUADRANGLE AT SEC. 20, T. 48 N., R. 30 W. (by S. B. Scott in 1934)

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| T. 48 N., R. 31 W., near E. sixteenth cor. sec. 29, 3/4 ft. S. and 8 ft. W. from junction of Woods Chapel Road, 3 ft. S. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "T 1 K 1933" | 989.772 |
| Reference mark, 100 ft. NW. of tablet, on head wall of concrete culvert; chiseled square | 987.38 |
| T. 48 N., R. 31 W., in W 1/2 sec. 27, at bridge over East Fork of Little Blue River, on top of SE. wing wall of E. abutment; chiseled square | 848.68 |
| T. 48 N., R. 31 W., center sec. 26, 45 ft. N. and 322 ft. E. from junction of rd. N., on N. head wall of concrete culvert; chiseled square | 937.89 |
| T. 48 N., R. 31 W., center sec. 25, 20 ft. S. and 70 ft. W. from junction of rd. S., on S. concrete head wall of culvert; chiseled square | 964.01 |
| T. 48 N., R. 30 W., near W. sixteenth cor. sec. 30, 100 ft. N. and 25 ft. W. from crossing of State Highway 7, on W. head wall of culvert; chiseled square | 920.09 |
| T. 48 N., R. 30 W., W. sixteenth cor. sec. 29, 43 ft. N. and 19 ft. W. from crossroad, about 0.5 mi. N. of Lake Lotawana, 1 ft. N. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "T 3 K 1933" | 984.542 |
| Reference mark, 60 ft. NE. of tablet, in root of 10-in. elm tree; copper nail and washer | 984.88 |
| T. 48 N., R. 30 W., W. sixteenth cor. between secs. 17 and 20, 30 ft. S. and 20 ft. E. from T-rd. S., on concrete base of corner fence post; chiseled square | 958.09 |

(Continued in Lonejack quadrangle; see line 2.)

6. FROM SEC. 30, T. 47 N., R. 31 W., EAST ALONG JACKSON COUNTY HIGHWAY 15-S INTO LONEJACK QUADRANGLE AT SEC. 29, T. 47 N., R. 30 W. (by C. T. Shepherd in 1934)

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| T. 47 N., Rs. 31 and 32 W., near cor. secs. 25, 30, 31, and 36, NE. of intersection of Jackson County Highway 10-E, on top of head wall of culvert; chiseled square | 969.07 |
| T. 47 N., R. 31 W., about 800 ft. E. of cor. secs. 29, 30, 31, and 32, about 400 ft. W. of State Highway 35, in N. head wall of concrete culvert; iron pin | 998.34 |
| Greenwood, 0.5 mi. W. of school, 350 ft. W. of Orchard Market, on top of N. head wall of concrete culvert; chiseled square | 977.51 |
| Greenwood, 87 ft. SW. of bay window of Chicago, Rock Island & Pacific Ry. sta., 29 ft. N. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 918.053 |
| Reference mark, 6 ft. N. and 84 ft. W. from tablet, on NE. corner of walk to broom factory; chiseled square | 922.75 |
| Greenwood, 1.7 mi. E. of, on top of N. handrail of concrete bridge; chiseled square | 901.16 |
| Greenwood, about 2.8 mi. E. of, E. sixteenth cor. between secs. 25 and 36, T. 47 N., R. 31 W., 15 ft. N. of highway, 50 ft. SW. of elm tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 974.453 |
| Reference mark, 50 ft. NE. of tablet, in root of elm tree; copper nail and washer | 976.60 |
| T. 47 N., R. 30 W., in sec. 30, 0.7 mi. W. of State Highway 7, on top of N. head wall of concrete culvert; chiseled square | 963.76 |
| T. 47 N., R. 30 W., near quarter cor. between secs. 29 and 30, at intersection of State Highway 7, on top of S. head wall of concrete culvert; chiseled square | 1,015.50 |

7. FROM LONEJACK QUADRANGLE AT SEC. 16, T. 46 N., R. 30 W., WEST TO SEC. 17, T. 46 N., R. 31 W. (by C. T. Shepherd in 1934)
(Continued from Lonejack quadrangle; see line 7.)

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| T. 46 N., R. 30 W., quarter cor. between secs. 17 and 20, on E. head wall of concrete culvert; chiseled square | 937.49 |
| Pleasant Hill, in E. part of, at curve in State Highway 7 from E.-N., 5 ft. W. of intersection of S. edge of E.-W. pavement and W. edge of N.-S. pavement produced, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 920.411 |
| Reference mark, at NW. corner of Randolph and Cedar Streets, on concrete curb; chiseled square | 908.70 |

| | <u>Feet</u> |
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| Pleasant Hill, at SE. corner of Randolph and Cedar Streets, on parking lot, 4 ft. E. of Randolph Street curb, 4 ft. S. of Cedar Street curb, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 908.902 852.193 |
| U.S.C. & G.S. B.M. designated "LII" | |
| T. 46 N., R. 31 W., in E 1/2 sec. 13, 94 ft. N. of Belton-Pleasant Hill rd., in private lane near yard of L. S. Emerson, 5 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 940.374 |
| T. 46 N., R. 31 W., in sec. 13, N. of rd., in root on W. side of first tree W. of cemetery; copper nail and washer | 922.36 |
| T. 46 N., R. 31 W., center sec. 14, 150 ft. S. of crossroads, on W. end of N. head wall of culvert; chiseled square | 972.62 |
| T. 46 N., R. 31 W., center sec. 15, 300 ft. S. and 21 ft. W. from crossroads, in top of concrete post; standard tablet stamped "T T C W A 1934" | 956.162 |
| 8. FROM SEC. 5, T. 45 N., R. 31 W., EAST INTO HARRISONVILLE QUADRANGLE AT SEC. 2, T. 45 N., R. 31 W. (by C. T. Shepherd in 1934) | |
| Tps. 45 and 46 N., R. 31 W., on line between secs. 5 and 32, 18 ft. S. and 37 ft. E. from State Highway 35 at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 975.950 |
| T. 45 N., R. 31 W., 800 ft. W. of N. quarter cor. sec. 4, 0.8 mi. E. of State Highway 35, on S. head wall of concrete culvert; chiseled square | 937.72 |
| T. 45 N., R. 31 W., N. cor. secs. 3 and 4, 0.2 mi. E. of crossroads, 20 ft. S. of rd., in root of 18-in. hedge tree; copper nail and washer | 954.24 |
| (Continued in Harrisonville quadrangle; see line 1.) | |
| 9. FROM SEC. 32, T. 46 N., R. 31 W., NORTH TO SEC. 17, T. 46 N., R. 31 W. (by C. T. Shepherd in 1934) | |
| T. 46 N., R. 31 W., center sec. 32, on W. head wall of concrete culvert; chiseled square | 942.16 |
| T. 46 N., R. 31 W., S. sixteenth cor. sec. 29, on W. head wall of concrete culvert; chiseled square | 969.54 |
| T. 46 N., R. 31 W., 500 ft. N. of S. line sec. 20, in E. head wall of concrete culvert; monel rivet | 946.70 |
| T. 46 N., R. 31 W., 500 ft. N. of S. line sec. 17, in E. head wall of culvert over Roupe Creek; monel rivet | 954.87 |
| Raymore, 4.2 mi. E. of, near center sec. 17, T. 46 N., R. 31 W., 301 ft. N. and 36 ft. W. from State Highway 35 at crossing of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,002.061 |
| Reference mark, 300 ft. S. of tablet, 23 ft. W. of highway, on N. head wall of concrete culvert; chiseled square | 995.75 |
| 10. FROM OLATHE NO. 1 QUADRANGLE AT SEC. 31, T. 46 N., R. 32 W., EAST TO SEC. 5, T. 45 N., R. 31 W. (by C. T. Shepherd in 1934) | |
| (Continued from Olathe No. 1 quadrangle; see line 6.) | |
| T. 46 N., R. 33 W., N. sixteenth cor. on E. line sec. 36, 60 ft. N. of N. face of dwelling of Harry Finley, 15 ft. W. of rd., in root of 18-in. hackberry tree; copper nail and washer | 982.99 |
| Belton, 4.8 mi. SE. of, along U.S. Highway 71, at Harrelson, 13 ft. S. and 39 ft. W. from crossroad, 13 ft. S. and 47 ft. E. from E. rail of St. Louis-San Francisco Ry. at rd. crossing, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 943.889 |
| T. 46 N., R. 32 W., S. cor. secs. 32 and 33, 8 ft. E. of U.S. Highway 71, 40 ft. S. of rd., on E. head wall of culvert; chiseled square | 971.92 |
| T. 45 N., R. 32 W., in NE. cor. sec. 4, 16 ft. S. and 117 ft. W. from T-rd. S., 16 ft. S. and 149 ft. W. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,041.558 |
| T. 45 N., R. 32 W., N. cor. secs. 2 and 3, 195 ft. W. of crossroads, on E. end of N. head wall of concrete culvert; chiseled square | 988.50 |
| T. 45 N., R. 32 W., 600 ft. E. of NW. cor. sec. 1, at N. end of W. abutment of bridge, on steel channel; chiseled cross | 962.60 |
| Coleman, 22 ft. S. and 77 ft. E. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,016.830 |
| Tps. 45 and 46 N., R. 31 W., on line between secs. 5 and 32, 18 ft. S. and 37 ft. E. from State Highway 35 at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 975.950 |
| 11. FROM SEC. 17, T. 46 N., R. 31 W., WEST TO RAYMORE (by C. T. Shepherd in 1934) | |
| Raymore, 3.9 mi. E. of, in W 1/2 sec. 17, T. 46 N., R. 31 W., 34 ft. S. of proposed Belton-Pleasant Hill rd., 5 ft. E. of W. yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,010.018 |
| Reference mark, 90 ft. E. of tablet, in root of 12-in. elm tree; nail and washer | 1,010.41 |
| Raymore, 2.6 mi. E. of, 926 ft. W. of rd. on line between secs. 13 and 18, T. 46 N., Rs. 31 and 32 W., 47 ft. N. of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,020.821 |
| Reference mark, 150 ft. W. of tablet, in root of 18-in. maple tree; nail and washer | 1,021.25 |

| | <u>Feet</u> |
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| Raymore, 2.2 mi. E. of, in SE 1/4 NW 1/4 sec. 13, T. 46 N., R. 32 W., 5 1/2 ft. N. of rd., 4 ft. W. of yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,047.716 |
| Reference mark, 100 ft. W. of tablet, in root of 18-in. maple tree; copper nail and washer | 1,047.90 987.75 |
| Raymore, 1.7 mi. E. of, in NE. wing wall of bridge; monel rivet T. 46 N., R. 32 W., near E. sixteenth cor. sec. 14, in S. head wall of concrete culvert; monel rivet | 994.31 |
| Raymore, about 1 mi. E. of, near W. sixteenth cor. sec. 14, T. 46 N., R. 32 W., 46 ft. N. of proposed Belton-Pleasant Hill rd., 77 ft. E. of hedge fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,011.465 |
| Reference mark, 36 ft. W. of tablet, in root of 24-in. maple tree; copper nail and washer | 1,011.71 |
| Raymore, about 0.8 mi. E. of, near quarter cor. between secs. 14 and 15, T. 46 N., R. 32 W., 58 ft. N. and 23 ft. W. from proposed Belton- Pleasant Hill rd. at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,040.842 |
| Reference mark, 80 ft. SW. of tablet, in 24-in. maple tree; copper nail and washer | 1,040.69 |
| Raymore, 250 ft. E. of Main Street, 24 ft. N. of rd., in root of 15-in. maple tree; lead-headed nail and washer | 1,084.13 |

12. FROM SEC. 18, T. 47 N., R. 32 W., SOUTH AND EAST TO RAYMORE
(by C. T. Shepherd in 1934)

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| T. 47 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 40 ft. NW. of rd., in fence line, in 6-in. elm tree; nail and washer | 971.79 |
| T. 47 N., R. 32 W., 120 ft. W. of cor. secs. 29, 30, 31, and 32, on N. head wall of stone culvert under Jackson County Highway 15-S; (mark not described) | 1,027.67 |
| T. 47 N., R. 32 W., S. cor. secs. 31 and 32, 25 ft. S. and 94 ft. W. from T-rd. N., 700 ft. W. of T-rd. S. at N. cor. secs. 5 and 6, T. 46 N., R. 32 W., on Cass-Jackson county line, 19 ft. N. and 48 ft. E. from dwelling of W. M. Crime, in concrete post; standard tablet stamped "T T 1 P 1933" | 1,064.511 |
| Reference mark, 90 ft. NE. of tablet, 18 ft. N. of county-line rd., on W. end of concrete head wall of culvert; chiseled square | 1,061.96 |
| T. 46 N., R. 32 W., cor. secs. 5, 6, 7, and 8, on W. side of N.-S. rd., on S. end of wing wall of culvert; chiseled square | 1,058.58 |
| Belton, 2 mi. E. of, about 0.3 mi. W. of NE. cor. sec. 18, T. 46 N., R. 32 W., 39 ft. S. of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,107.268 |
| Belton, 3.7 mi. E. of, about 0.4 mi. E. of NW. cor. sec. 16, T. 46 N., R. 32 W., 52 ft. from St. Louis-San Francisco Ry., 36 ft. S. of proposed Belton-Pleasant Hill rd., in pasture, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,107.308 |
| Reference mark, 60 ft. S. and 100 ft. E. from farm entrance, in root of 36-in. tree; (mark not described) | 1,102.42 |
| Belton, 4.1 mi. E. of, 750 ft. W. of SE. cor. sec. 9, T. 46 N., R. 32 W., 34 ft. N. of proposed Belton-Pleasant Hill rd., 4 ft. E. of W. fence of Rosewell orchard, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,108.416 |
| U.S.C. & G.S. E.M. designated "LXXI" | 1,104.440 |

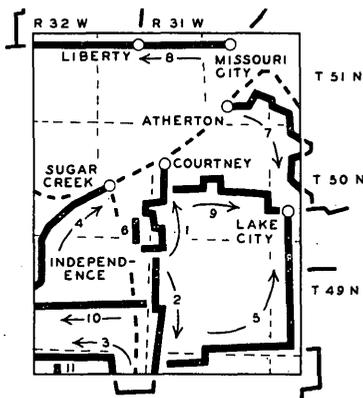
13. FROM SEC. 19, T. 47 N., R. 31 W., SOUTH TO SEC. 13,
T. 46 N., R. 32 W. (by J. McDougal in 1934)

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| T. 47 N., R. 31 W., 520 ft. S. of NW. cor. sec. 31, on E. concrete head wall of culvert; chiseled square | 967.75 |
| Tps. 46 and 47 N., Rs. 31 and 32 W., cor. of, 34 ft. S. and 27 ft. E. from stone on Cass-Jackson county line, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,011.592 |
| T. 46 N., R. 32 W., 0.3 mi. N. of SE. cor. sec. 1, on W. head wall of culvert; chiseled square | 952.67 |

For additional level lines along Missouri Pacific R.R. and St. Louis-
San Francisco Ry., refer to United States Coast and Geodetic
Survey first-order lines, Pleasant Hill to Kansas City, Pleasant
Hill to Harrisonville, and Holliday, Kans. to Harrisonville, Mo.

INDEPENDENCE NO. 3 QUADRANGLE
(Latitude 39°00'-39°15'; longitude 94°15'-94°30')

Clay and Jackson Counties



1. FROM INDEPENDENCE EAST AND NORTH TO COURTNEY (by C. E. Reick in 1932)

| | <u>Feet</u> |
|--|-------------|
| Independence, near SW. corner of courthouse; top of spherical head of granite post | 1,048.997 |
| Independence, 10 ft. N. of intersection of East Alton and South Noland Streets, on curb; chiseled square | 1,026.72 |
| T. 49 N., R. 32 W., E. sixteenth cor. sec. 12, 29 ft. N. and 32 ft. E. from Jackson County Highway 1-N at Kiger Road, in concrete post; standard tablet stamped "T T 243 B 1932" | 965.605 |
| Reference mark, 290 ft. N. of tablet, on step; chiseled square | 956.07 |
| T. 49 N., R. 32 W., in SE 1/4 sec. 1, 60 ft. E. of Missouri Pacific R.R. at Kiger Road, on S. end of culvert; chiseled square | 860.12 |
| T. 49 N., R. 31 W., 0.2 mi. W. of center sec. 6, 40 ft. NE. of rd. fork N., on top of stone post; chiseled square | 825.76 |
| Staples School, 0.2 mi. W. of center sec. 31, T. 50 N., R. 31 W., 90 ft. NE. of T-rd. S., on bottom step of walk to schoolyard; chiseled square | 909.84 |
| T. 50 N., Rs. 31 and 32 W., quarter cor. between secs. 31 and 36, 34 ft. S. and 17 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 242 B 1932" | 905.951 |
| Reference mark, 180 ft. W. of tablet, in root of 10-in. tree; nail | 909.12 |
| T. 50 N., R. 32 W., in SE 1/4 sec. 25, 100 ft. NE. of U.S. Highway 24 at rd. N., on E. end of pipe culvert; chiseled square | 1,011.35 |
| T. 50 N., R. 31 W., near center sec. 30, 40 ft. NW. of U.S. Highway 24 at crossroad, on head wall of culvert; chiseled square | 980.68 |
| T. 50 N., R. 31 W., cor. secs. 19, 20, 29, and 30, 33 ft. N. and 47 ft. W. from T-rd. N., 12 ft. SW. of fence corner, in concrete post; standard tablet stamped "T T 241 B 1932" | 954.073 |
| Reference mark, 290 ft. N. of tablet, on E. end of iron pipe culvert; chiseled cross | 944.16 |
| T. 50 N., R. 31 W., 0.2 mi. E. of center sec. 18, 80 ft. NW. of crossroads, in base of pole; spike | 850.42 |
| T. 50 N., R. 31 W., 0.3 mi. W. of center sec. 18, on S. head wall of culvert; chiseled square | 764.95 |
| U.S.C.E. B.M. designated "222" | |
| Copper bolt | 731.826 |
| Top of cap | 737.440 |

2. FROM INDEPENDENCE SOUTH ALONG JACKSON COUNTY HIGHWAY 10-E INTO HARRISONVILLE NO. 2 QUADRANGLE (by C. E. Reick in 1932)

| | |
|--|--------|
| T. 49 N., R. 32 W., in SE 1/4 sec. 13, 400 ft. N. of junction of rd. E., on E. wall of bridge; chiseled square | 851.10 |
| T. 49 N., Rs. 31 and 32 W., quarter cor. between secs. 19 and 24, in base of transmission-line pole; spike | 943.13 |
| T. 49 N., R. 32 W., near E. quarter cor. sec. 25, 615 ft. S. and 20 ft. W. from crossing of U.S. Highway 40, on E. head wall of culvert; chiseled square | 896.00 |
| T. 49 N., Rs. 31 and 32 W., near quarter cor. between secs. 31 and 36, on NE. abutment of iron bridge over small creek; chiseled square | 774.59 |
| T. 48 N., R. 31 W., in NW 1/4 sec. 6, 40 ft. E. of junction of rd. NE., on ledge; chiseled square | 845.62 |

(Continued in Harrisonville No. 2 quadrangle; see line 1.)

| | | |
|--|--|-----------------------|
| 3. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 10, T. 48 N., R. 32 W., WEST INTO ARMOURDALE QUADRANGLE AT SEC. 6, T. 48 N., R. 32 W. (by C. E. Reick in 1932) (Continued from Harrisonville No. 2 quadrangle; see line 1.) | | |
| T. 48 N., R. 32 W., in SW 1/4 sec. 3, 1 mi. E. of Raytown, 90 ft. E. of Jackson County Highway 4-S at rd. S., on S. head wall of culvert; chiseled square | | <u>Feet</u> 875.18 |
| Raytown, 60 ft. NW. of intersection of Jackson County Routes 4-S and 5-E, on concrete curb; chiseled square | | 1,020.22 |
| T. 48 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 126 ft. N. and 31 ft. E. from intersection of Blue Ridge Boulevard and 67th Street, in concrete post; standard tablet stamped "T T 23 T 1933" | | 1,025.542 |
| Reference mark, 500 ft. W. of tablet, on NE. corner of concrete bridge; chiseled square | | 1,012.92 |
| T. 48 N., R. 32 W., center sec. 6, 40 ft. NW. of U.S. Highway 50 at Jackson County Highway 4-S, on head wall of culvert; chiseled square | | 954.95 |
| (Continued in Armourdale quadrangle; see line 3.) | | |
| 4. FROM ARMOURDALE QUADRANGLE AT SEC. 13, T. 49 N., R. 33 W., NORTHEAST TO SUGAR CREEK (by C. E. Reick in 1932) (Continued from Armourdale quadrangle; see line 3.) | | |
| T. 49 N., R. 32 W., in NW 1/4 sec. 7, 80 ft. S. of Missouri Pacific R.R. at crossing of Twenty-second Street, on concrete switch base; chiseled square | | 747.67 |
| Centropolis, 22 ft. E. of E. track of Missouri Pacific R.R., 62 ft. S. of Fifteenth Street, 15 ft. S. of S. edge of sidewalk, in concrete post; standard tablet stamped "T T 250 B 1932" | | 763.862 |
| Blue River Junction, 270 ft. E. of intersection of Atchison, Topeka & Santa Fe Ry. and Kansas City Southern Ry., on SW. corner of concrete base of semaphore signal; chiseled square | | 748.94 |
| T. 50 N., R. 32 W., near center sec. 31, 700 ft. W. of Kansas City Terminal R.R. tower 9; on concrete base of signal; chiseled square | | 743.46 |
| U.S.C.E. B.M. designated "227" Top of cap | | 737.902 |
| T. 50 N., R. 32 W., in NW 1/4 sec. 32, on SE. corner of Missouri Pacific R.R. bridge over Rock Creek; chiseled square | | 745.48 |
| T. 50 N., R. 32 W., in SW 1/4 sec. 28, 800 ft. E. of Standard Oil Co. pump house, N. of Missouri Pacific R.R. track, on base of signal; chiseled square | | 748.46 |
| Sugar Creek, 350 ft. E. of Missouri Pacific R.R. sta., 40 ft. SE. of rd. crossing, on base of warning signal; chiseled square | | 745.02 |
| U.S.C.E. B.M. designated "224" Copper bolt | | 745.402 |
| 5. FROM SEC. 6, T. 48 N., R. 31 W., EAST TO SEC. 6, T. 48 N., R. 30 W., THENCE NORTH TO LAKE CITY (by L. V. Johnson in 1932) | | |
| T. 48 N., R. 31 W., quarter cor. between secs. 5 and 6, 15 ft. S. and 10 ft. E. from T-rd. E., on NW. corner of concrete foundation of corner fence post; chiseled square | | 798.39 |
| T. 48 N., R. 31 W., in SW 1/4 sec. 4, 16 ft. S. and 16 ft. W. from rd. corner, in concrete post; standard tablet stamped "T T 252 B 1932" | | 918.852 |
| T. 48 N., R. 31 W., near quarter cor. between secs. 3 and 4, at NW. corner of wooden bridge over East Fork of Little Blue River, on concrete abutment; chiseled square | | 778.01 |
| Tps. 48 and 49 N., R. 31 W., 0.2 mi. W. of cor. secs. 2, 3, 34, and 35, 10 ft. N. and 40 ft. W. from T-rd. S., in root on S. side of 18-in. wild-cherry tree; copper nail and washer | | 902.43 |
| Tps. 48 and 49 N., R. 31 W., W. sixteenth cor. between secs. 2 and 35, 33 ft. N. and 48 ft. W. from U.S. Highway 40 at Jackson County Highway 14-E in concrete post; standard tablet stamped "T T 253 B 1932" | | 921.994 |
| Tps. 48 and 49 N., R. 31 W., about 600 ft. E. of cor. secs. 1, 2, 35, and 36, 23 ft. N. and 170 ft. W. from junction of rd. S., on W. end of N. concrete head wall of E. culvert; chiseled square | | 897.71 |
| Tps. 48 and 49 N., Rs. 30 and 31 W., cor. of, 25 ft. S. and 105 ft. E. from crossroads, on S. concrete head wall of culvert; chiseled square | | 954.26 |
| Tps. 48 and 49 N., R. 30 W., cor. secs. 5, 6, 31, and 32, 38 ft. S. and 13 ft. W. from U.S. Highway 40 at rd. N., in concrete post; standard tablet stamped "T T 254 B 1932" | | 915.263 |
| Reference mark, 120 ft. W. of tablet, on S. concrete head wall of culvert; chiseled square | | 907.33 |
| Sunny Side School, 250 ft. SE. of, cor. secs. 29, 30, 31, and 32, T. 49 N., R. 30 W., 180 ft. S. and 25 ft. W. from T-rd. S., in root on E. side of giant maple tree; copper nail and washer | | 921.40 |
| T. 49 N., R. 30 W., 0.3 mi. W. of center sec. 20, 140 ft. W. of T-rd. S., on head wall of culvert; chiseled square | | 941.76 |
| T. 49 N., R. 30 W., cor. secs. 17, 18, 19, and 20, 25 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 255 B 1932" | | 914.948 |
| Reference mark, 70 ft. W. of tablet, on N. head wall of culvert; chiseled square | | 914.50 |
| T. 49 N., R. 30 W., 270 ft. S. of cor. secs. 7, 8, 17, and 18, on W. head wall of culvert; chiseled square | | 817.97 |

| | <u>Feet</u> |
|---|-------------|
| T. 49 N., R. 30 W., quarter cor. between secs. 7 and 8, 40 ft. SW. of rd. fork W., on rock head wall of culvert; chiseled square | 803.98 |
| T. 49 N., R. 30 W., quarter cor. between secs. 5 and 6, 20 ft. N. and 28 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 256 B 1932" | 756.128 |
| Reference mark, 40 ft. NW. of tablet, on concrete head wall of culvert; chiseled square | 754.50 |
| Tps. 49 and 50 N., R. 30 W., at NE. cor. sec. 6, 20 ft. S. of lane, W. of rd., on concrete block; chiseled square | 745.11 |
| Lake City, 120 ft. E. of Missouri Pacific R.R. sta., S. of tracks, on concrete base of waterspout; chiseled square | 749.27 |
| 6. FROM INDEPENDENCE NORTHWEST TO SEC. 34, T. 50 N., R. 32 W. (double-run spur line by L. V. Johnson in 1932) | |
| T. 49 N., R. 32 W., in NE 1/4 sec. 3, about 400 ft. S. of intersection of U.S. Highway 24 and Jackson County Highway 7-E, 40 ft. E. of pavement, on SE. corner of wing wall of overhead bridge; chiseled square | 998.81 |
| T. 50 N., R. 32 W., center of NE 1/4 sec. 34, 42 ft. N. and 41 ft. W. from Jackson County Highway 7-E at rd. W. to Sugar Creek, in concrete post; standard tablet stamped "T T 251 B 1932" | 965.658 |
| 7. FROM ATHERTON EAST TO SEC. 31, T. 51 N., R. 30 W., THENCE SOUTH INTO ORRICK QUADRANGLE AT SEC. 17, T. 50 N., R. 30 W. (by L. V. Johnson in 1932) | |
| U.S.C.E. B.M. designated "220" | |
| Copper bolt | 728.286 |
| Top of cap | 732.344 |
| T. 51 N., R. 31 W., cor. secs. 25, 26, 35, and 36, 15 ft. N. and 17 ft. E. from T-rd. N., in base of transmission-line pole; spike | 719.03 |
| T. 51 N., Rs. 30 and 31 W., cor. secs. 25, 30, 31, and 36, 70 ft. SE. of bridge over Little Blue River, 20 ft. SW. of triangle formed by junction of private rd. S., in root on NE. side of 4-forked elm tree; copper nail and washer | 718.95 |
| Tps. 50 and 51 N., Rs. 30 and 31 W., 0.2 mi. E. of cor. of, 70 ft. SW. of rd. forks, in root on N. side of giant oak tree; nail and washer | 809.89 |
| (For balance in Orrick quadrangle, see line 7.) | |
| T. 50 N., R. 30 W., cor. secs. 5, 6, 7, and 8, 22 ft. N. and 17 ft. W. from rd. fork N., on W. end of concrete pipe culvert; chiseled square | 919.49 |
| T. 50 N., R. 30 W., in NW 1/4 SE 1/4 sec. 7, 19 ft. S. and 29 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 268 B 1932" | 897.926 |
| T. 50 N., R. 30 W., cor. secs. 7, 8, 17, and 18, 260 ft. W. of T-rd. N., 5 ft. N. and 5 ft. W. from rd. corner, in root on S. side of twin-cherry tree; copper nail and washer | 887.98 |
| (Continued in Orrick quadrangle; see line 7.) | |
| 8. FROM MISSOURI CITY WEST THROUGH LIBERTY INTO ARMOURDALE QUADRANGLE AT SEC. 9, T. 51 N., R. 32 W. (by L. V. Johnson in 1932. That portion of the line from Liberty west re-leveled by C. T. Shepherd in 1934.) | |
| U.S.C.E. B.M. designated "69/3" | |
| Copper bolt | 719.050 |
| Top of cap | 723.130 |
| Missouri City, 1 mi. W. of, along Wabash Ry., at NE. corner of bridge 598, on concrete wing wall; chiseled square | 727.07 |
| T. 51 N., R. 30 W., in NW 1/4 SW 1/4 sec. 7, 52 ft. S. and 90 ft. W. from rd. forks, 3 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 277 B 1932" | 905.792 |
| T. 51 N., R. 31 W., in SE 1/4 sec. 12, at NW. corner of bridge over drain, in wooden support; copper nail and washer | 773.18 |
| T. 51 N., R. 31 W., in NW 1/4 SE 1/4 sec. 11, at E. edge of valley, 120 ft. W. of dim crossroad, 20 ft. S. of main rd., on S. concrete head wall of culvert; chiseled square | 796.70 |
| T. 51 N., R. 31 W., W. sixteenth cor. sec. 11, 37 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 276 B 1932" | 880.773 |
| Reference mark, SE. of crossroads, on concrete head wall of culvert; chiseled square | 875.39 |
| T. 51 N., R. 31 W., 0.2 mi. E. of center sec. 10, 8 ft. N. and 28 ft. E. from T-rd. S., on N. head wall of culvert; chiseled square | 854.71 |
| T. 51 N., R. 31 W., quarter cor. between secs. 9 and 10, 10 ft. N. and 30 ft. W. from junction of rd. S., on W. end of N. head wall of culvert; chiseled square | 792.86 |
| Liberty, 1.2 mi. E. of, 23 ft. S. of junction of rd. SE., on W. head wall of culvert; chiseled square | 869.67 |
| Liberty, in E. part of, 35 ft. N. and 3 ft. W. from Chicago, Burlington & Quincy R.R. at crossing of Mills Street, 7 ft. N. of sidewalk, in concrete post; standard tablet stamped "T T 275 B 1932" | 878.636 |
| Reference mark, 40 ft. W. of tablet, on head wall of culvert; chiseled square | 879.77 |
| Liberty, near SW. limits of, NE. of intersection of Harrison Avenue and Mills Street, at lamppost, on concrete curb; chiseled square | 864.65 |

| | <u>Feet</u> |
|--|-------------|
| Liberty, about 1.5 mi. W. of, 270 ft. W. of small bridge over drain, 70 ft. SW. of dwelling of Okal Summers, 13 ft. S. of rd., on rock head wall of culvert; chiseled square | 850.27 |
| T. 51 N., R. 32 W., center sec. 11, 50 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 274 B 1932" | 847.331 |
| Reference mark, NW. of crossroads, on head wall of culvert; chiseled square | 847.12 |
| T. 51 N., R. 32 W., center sec. 10, 18 ft. N. of rd., on W. end of concrete head wall of culvert; chiseled square | 828.58 |
| T. 51 N., R. 32 W., 0.2 mi. E. of center sec. 9, at SW. corner of bridge over creek, on rock wing wall; chiseled square | 825.36 |

(Continued in Armourdale quadrangle; see line 4.)

9. FROM SEC. 20, T. 50 N., R. 31 W., EAST ALONG U.S. HIGHWAY 24 TO SEC. 23, T. 50 N., R. 31 W., THENCE SOUTH TO LAKE CITY (by L. V. Johnson in 1933)

| | |
|--|---------|
| T. 50 N., R. 31 W., in SE 1/4 sec. 20, S. of highway at junction of rd. E., on concrete head wall of culvert; chiseled square | 932.49 |
| T. 50 N., R. 31 W., E. sixteenth cor. sec. 21, 47 ft. S. and 28 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 259 B 1932" | 905.912 |
| Reference mark, 20 ft. NW. of tablet, on concrete head wall of culvert; chiseled square | 903.63 |
| T. 50 N., R. 31 W., near center sec. 22, on SE. corner of bridge over Missouri Pacific R.R.; chiseled square | 774.70 |
| T. 50 N., R. 31 W., in SW 1/4 sec. 23, 50 ft. NE. of Missouri Pacific R.R. at rd. crossing, in base of telegraph pole; spike | 750.08 |
| T. 50 N., R. 31 W., W. sixteenth cor. sec. 26, 21 ft. S. and 17 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 258 B 1932" | 736.757 |
| Reference mark, 60 ft. W. of tablet, on wing wall of bridge; chiseled square | 736.24 |
| T. 50 N., R. 31 W., 0.4 mi. N. of center sec. 36, 30 ft. NE. of Missouri Pacific R.R. at rd. crossing, on head wall of culvert; chiseled square | 742.58 |

10. FROM INDEPENDENCE WEST INTO ARMOURDALE QUADRANGLE AT SEC. 24, T. 49 N., R. 33 W. (by L. V. Johnson in 1933)

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|--|------------------|
| T. 49 N., R. 32 W., near center sec. 14, at SW. corner of Jackson County Highway 8-E bridge over Alton R.R., on concrete abutment; chiseled square | 1,021.55 |
| T. 49 N., R. 32 W., quarter cor. between secs. 14 and 23, 40 ft. N. and 82 ft. W. from iron pin, 26 ft. N. and 40 ft. W. from crossroads, about 150 ft. E. from Missouri Pacific R.R. at rd. crossing, in concrete post; standard tablet stamped "T T 14, T 1933 1014" | 1,013.750 |
| Reference mark, 100 ft. E. of tablet, NE. of crossroads, on concrete head wall of culvert; chiseled square | 1,011.11 |
| T. 49 N., R. 32 W., quarter cor. between secs. 15 and 22, 30 ft. N. and 22 ft. E. from crossroads, on N. end of concrete culvert; chiseled square | 943.68 |
| T. 49 N., R. 32 W., 0.2 mi. W. of cor. secs. 15, 16, 21, and 22, 18 ft. S. and 18 ft. W. from crossroads, on concrete head wall of culvert; chiseled square | 981.18 988.78 |
| Reference mark, 35 ft. E. of tablet, on concrete walk; chiseled square | |
| T. 49 N., R. 32 W., near E. sixteenth cor. between secs. 17 and 20, 73 ft. N. of NW. corner of Pitcher School, 31 ft. S. and 10 ft. E. from junction of private rd. to school, in concrete post; standard tablet stamped "T T 15 T 1933 988" | 987.934 |
| T. 49 N., R. 32 W., in SW 1/4 sec. 17, 60 ft. S. and 60 ft. W. from intersection of Blue Ridge Boulevard cut-off and U.S. Highway 40 cut-off, on N. end of iron pipe culvert; chiseled square | 1,012.93 |
| T. 49 N., R. 32 W., near center sec. 19, 120 ft. S. of highway in front of Meder Service Sta. No. 1, in root on NW. side of 30-in. oak tree; copper nail and washer | 906.17 |

(Continued in Armourdale quadrangle; see line 9.)

11. FROM SEC. 7, T. 48 N., R. 32 W., SOUTH INTO HARRISONVILLE No. 2 QUADRANGLE AT SEC. 7, T. 48 N., R. 32 W. (by R. F. Gallup in 1933)

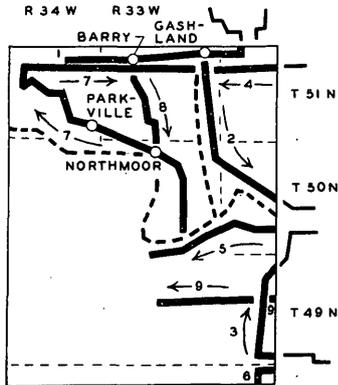
| | |
|---|----------|
| T. 48 N., R. 32 W., on line between secs. 7 and 8, at junction of U.S. Highway 50 and Blue Ridge Boulevard, at SE. corner of bridge, on top of end rail post; chiseled square | 1,040.12 |
|---|----------|

(Continued in Harrisonville No. 2 quadrangle; see line 4.)

For additional level lines along south bank of Missouri River and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order lines, Jefferson City to Kansas City and Pleasant Hill to Kansas City.

ARMOURDALE QUADRANGLE *
 (Latitude 39°00'-39°15'; longitude 94°30'-94°45')

Clay, Jackson, and Platte Counties



1. FROM SMITHVILLE QUADRANGLE AT SEC. 8, T. 51 N., R. 32 W., WEST TO PRAIRIE POINT CHURCH (by P. W. McMillen in 1912)
 (Continued from Smithville quadrangle; see line 3.)

| | |
|--|-----------------|
| Gashland, 3 mi. E. of, near center sec. 8, T. 51 N., R. 32 W., 100 ft. SE. of Faubion School; iron post stamped "Prim Trav Sta No 4 1911 Mo 967" (reset) | Feet 964.258 |
| Gashland, 0.8 mi. E. of, N. of rd., in root of 6-in. ash tree; copper nail | 878.14 |
| Gashland, 150 ft. E. of Quincy, Omaha & Kansas City R.R. at rd. crossing, opposite T-rd. N., in root of 15-in. elm tree; copper nail | 999.64 |
| Gashland, at S. end of Quincy, Omaha & Kansas City R.R. sta., 40 ft. SE. of rd. crossing; iron post stamped "Mo 1016" | 1,015.226 |
| Gashland, in front of Quincy, Omaha & Kansas City R.R. sta.; top of E. rail | 1,013.0 |
| Gashland, 0.5 mi. W. of, SW. of crossroads, in root of 12-in. locust tree; copper nail | 986.52 |
| Barry, in SE. corner of schoolyard, in root of 12-in. maple tree; copper nail | 1,017.13 |
| Barry, 1.6 mi. W. of, SW. of crossroads; iron post stamped "Prim Trav Sta No 1 1911 Mo 995" (For new description and elev. see line 7, p. 1097) | 993.929 |
| Barry, 1.8 mi. W. of, at bridge; surface of floor | 949.8 |
| Barry, 3 mi. W. of, in NE. corner of yard of Prairie Point Church, 10 ft. from fence corner; iron post stamped "Mo 1076" | 1,074.849 |

2. FROM GASHLAND SOUTHEAST ALONG QUINCY, OMAHA & KANSAS CITY RAILROAD TO AVONDALE, THENCE EAST ALONG CHICAGO, ROCK ISLAND & PACIFIC RAILWAY TO CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC RAILROAD, THENCE SOUTHEAST TO MISSOURI PACIFIC RAILROAD, THENCE EAST ALONG MISSOURI PACIFIC RAILROAD INTO INDEPENDENCE NO. 3 QUADRANGLE (by P. W. McMillen in 1912)

| | |
|--|-----------|
| Linden, 1.2 mi. N. of, 150 ft. NE. of signboard marked "Gashland", 100 ft. E. of track, in root of 24-in. oak tree; spike | 997.16 |
| Linden, in NE. corner of brick school building; aluminum tablet stamped "Mo 1013" (reset - in SE. corner of new school 1,016.091) | 1,012.058 |
| Linden, at S. end of R.R. sta., at rd. crossing; surface of rd. | 1,010.9 |
| Linden, 0.6 mi. S. of, 150 ft. E. of rd. crossing, at milepost KC-9, in root of 10-in. hackberry tree; copper nail | 979.51 |
| Linden, 1.6 mi. S. of, 100 ft. NW. of rd. crossing at milepost KC-8, in SE. corner of Oak Crest Cemetery, in root of 24-in. linden tree; copper nail | 931.53 |
| Campbellton, 60 ft. S. of R.R. sta., 25 ft. W. of track, S. of rd.; iron post stamped "Mo 883" | 882.628 |
| Avondale, 0.9 mi. N. of, 75 ft. E. of E.-W. rd. crossing, in root of 12-in. elm tree; copper nail | 822.63 |
| Avondale, in front of R.R. sta., opposite door to waiting room; top of E. rail | 783.6 |
| Northern Junction, 300 ft. S. of, at Chicago, Milwaukee, St. Paul and Pacific R.R. bridge over Missouri River, in N. abutment; aluminum tablet stamped "Mo 789" | 788.221 |
| Northern Junction, 2.1 mi. S. of, 50 ft. NE. of junction of Chicago, Milwaukee, St. Paul and Pacific R.R. and Missouri Pacific R.R., in root of 12-in. elm tree; copper nail | 738.72 |

*Part of this quadrangle lies in Kansas.

3. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 6, T. 48 N., R. 32 W.,
NORTHEAST ALONG KANSAS CITY SOUTHERN RAILWAY INTO INDEPENDENCE
NO. 3 QUADRANGLE (by C. E. Reick in 1932)
(Continued from Independence No. 3 quadrangle; see
line 3.)

| | <u>Feet</u> |
|--|-------------|
| T. 48 N., R. 33 W., in NW 1/4 sec. 1, at crossing of 63rd Street, 20 ft. S. of street, at NE. corner of base of bridge support, on bolt head; chiseled cross | 787.42 |
| Crossing of 63rd Street, at track level, on NE. corner of bridge; chiseled square | 856.33 |
| T. 49 N., R. 33 W., in SW 1/4 SW 1/4 sec. 25, 43 ft. S. of U.S. Highway 50, 3 ft. above ground in N. face of footing of arches of Kansas City Southern Ry. bridge; standard tablet stamped "T T 248 B 1932" | 770.881 |
| Reference mark, 55 ft. above tablet, at track level, on concrete sidewalk; chiseled square | 825.75 |
| T. 49 N., R. 33 W., in SE 1/4 sec. 24, in sill at NE. corner of wooden bridge; copper nail | 798.18 |
| T. 49 N., R. 33 W., in NE 1/4 NE 1/4 sec. 24, 530 ft. N. of U.S. Highway 40, at crossing of Chicago, Rock Island & Pacific and Kansas City Southern Rys., in bottom step on S. side of W. abutment; standard tablet stamped "T T 249 B 1932" | 776.302 |
| Reference mark, 50 ft. NE. of tablet, on base of center support; chiseled square | 774.26 |

(Continued in Independence No. 3 quadrangle; see line 4.)

4. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 9, T. 51 N., R. 32 W.,
WEST TO GASHLAND (by L. V. Johnson in 1932)
(Continued from Independence No. 3 quadrangle; see
line 8.)

| | |
|--|--------|
| T. 51 N., R. 32 W., quarter cor. between secs. 8 and 9, 30 ft. N. and 8 ft. E. from T-rd. N., on E. end of iron pipe culvert; chiseled cross | 866.54 |
| T. 51 N., R. 32 W., E. sixteenth cor. sec. 7, 20 ft. S. and 18 ft. E. from T-rd. S., on head wall of culvert; chiseled square | 960.12 |
| T. 51 N., R. 32 and 33 W., on line between secs. 7 and 12, 70 ft. S. and 105 ft. E. from T-rd. N., on high bank, in root on N. side of 36-in. oak tree; copper nail and washer | 948.60 |
| Gashland, 0.5 mi. E. of, SW. of T-rd. S., in base of transmission-line pole; spike | 959.88 |

5. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 25, T. 50 N.,
R. 33 W., WEST THROUGH KANSAS CITY TO KANSAS-MISSOURI STATE
LINE (by R. F. Gallup in 1933)

| | |
|--|---------|
| T. 50 N., R. 33 W., in SE 1/4 sec. 26, 110 ft. N. and 28 ft. W. from main track of Missouri Pacific R.R. at crossing of Topping Avenue, on top of SE. corner of concrete base of signal; chiseled square | 746.58 |
| Kansas City, near W. sixteenth cor. sec. 26, T. 50 N., R. 33 W., about 0.5 mi. E. of intersection of Gardner Avenue and Monroe Street, 15 ft. S. and 36 ft. W. from SW. corner of Pleasant Valley School, 2 ft. N. and 68 ft. E. from SW. corner of yard, in concrete post; standard tablet stamped "T T 13 BO 1933 743" | 743.063 |
| Reference mark, on W. end of first step to school; chiseled square | 744.04 |
| Kansas City, SW. of intersection of Monroe and Nicholson Avenues, on concrete curb; chiseled square | 740.85 |
| Kansas City, SE. (NE. ?) of intersection of Guinotte and Montgall Avenues, in front of post office (Sta. F), on concrete curb; chiseled square | 742.33 |
| Kansas City, at intersection of First Street and Guinotte Avenue, 260 ft. E. of intersection of First Street and Lydia Avenue, on concrete retaining wall leading to viaduct on Guinotte Avenue; chiseled square | 745.20 |
| Kansas City, 32 ft. S. and 35 ft. E. from intersection of First Street and Grand Avenue sta., of Kansas City Power and Light Co., in concrete post; standard tablet stamped "T T 12 BO 1933 770" | 769.647 |
| Kansas City, SW. of intersection of Broadway and Woodswether Avenue, on concrete foundation of crossing signal post of Missouri Pacific R.R.; chiseled square | 753.28 |
| Kansas City, NW. of intersection of State Street and Woodswether Avenue, N. of drain, on edge of pavement; chiseled square | 751.51 |

6. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 6, T. 48 N., R. 32 W.,
SOUTH INTO OLATHE NO. 1 QUADRANGLE AT SEC. 12, T. 48 N.,
R. 33 W. (by R. F. Gallup in 1933)

| | |
|---|--------|
| T. 48 N., R. 32 and 33 W., cor. secs. 1, 6, 7, and 12, 12 ft. N. and 10 ft. W. from, at private drive, N. of rd., on concrete base of W. stone gatepost; chiseled square | 968.83 |
| T. 48 N., R. 33 W., E. sixteenth cor. between secs. 1 and 12, 75 ft. S. and 40 ft. E. from, on NE. corner of concrete platform in front of Parkview School; chiseled square | 962.99 |
| T. 48 N., R. 33 W., in sec. 12, in Swope Park, E. of lagoon, on S. end of bottom step at entrance to Swope Mausoleum; chiseled square | 782.56 |

(Continued in Olathe No. 1 quadrangle; see line 4.)

7. FROM NORTH KANSAS CITY NORTHWEST ALONG STATE HIGHWAY 45 TO PARKVILLE, THENCE NORTHWEST ALONG STATE HIGHWAY 45 TO SEC. 21, T. 51 N., R. 34 W., THENCE NORTH ALONG ROADS TO SEC. 9, T. 51 N., R. 34 W., THENCE EAST ALONG ROADS (NOW COUNTY ROUTES T AND A) TO GASHLAND (by R. F. Gallup in 1933)

| | <u>Feet</u> |
|---|-------------|
| North Kansas City, 40 ft. N. of Burlington Avenue, in line with Tenth Street S., on top of manhole ring; chiseled square | 741.41 |
| North Kansas City, E. of intersection of Burlington Avenue and Eighteenth Street, 2 ft. N. of building of L. C. Worth Commission Feed Store, on sidewalk; chiseled square | 743.36 |
| North Kansas City, E. of junction of U.S. Highway 71, on SW. corner of top of concrete drop inlet; chiseled square | 741.88 |
| North Kansas City, 270 ft. SW. of R.R. bridge over highway, 10 ft. E. of fence enclosing waterworks, on top of concrete retaining wall at valve box; chiseled square | 744.44 |
| T. 50 N., R. 33 W., near line between secs. 3 and 10, 300 ft. E. of Clay-Platte county line, 45 ft. E. of highway, at service sta., on concrete base of E. gasoline pump; chiseled square | 755.62 |
| T. 50 N., R. 33 W., in SE 1/4 sec. 5, 19 ft. S. and 56 ft. E. from NE. corner of Lakeside School, 13 ft. N. and 5 ft. E. from 40-in. maple tree, in concrete post; standard tablet stamped "T 19 BO 1933 749" | 749.034 |
| Reference mark, on concrete platform of school; chiseled square | 749.59 |
| T. 50 N., R. 33 W., near quarter cor. between secs. 5 and 6, at W. end of concrete bridge over Line Creek, on top of S. rail post; chiseled square | 757.91 |
| T. 50 N., R. 33 W., near N. sixteenth cor. sec. 6, on top of E. wing wall of stone arch culvert; chiseled square | 761.82 |
| T. 51 N., R. 34 W., near center of SW 1/4 sec. 36, 40 ft. S. of highway, on top of concrete base of Chicago, Burlington & Quincy R.R. semaphore N-85; chiseled square | 753.06 |
| Parkville, at Parkville College, 20 ft. N. and 50 ft. E. from concrete bridge in SW. corner of yard of chapel, 3 ft. N. of edge of sidewalk, 2 ft. S. of light post, in concrete post; standard tablet stamped. "T T 20 BO 1933 758" | 757.667 |
| Reference mark, 65 ft. S. and 48 ft. W. from tablet, on top of rail post of concrete bridge; chiseled square | 759.52 |
| Carpenter triangulation sta.; U.S.C. & G.S. standard disk stamped "Carpenter" | 1,044.768 |
| T. 51 N., R. 34 W., near center of NE 1/4 sec. 26, on W. head wall of concrete culvert; chiseled square | 945.05 |
| T. 51 N., R. 34 W., on line between secs. 23 and 26, on S. head wall of culvert; chiseled square | 835.28 |
| T. 51 N., R. 34 W., in NW 1/4 sec. 27, 42 ft. S. and 28 ft. E. from junction of private rd. S., 3 ft. S. and 28 ft. E. from gate, 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 21 BO 1933 849" | 849.019 |
| T. 51 N., R. 34 W., near cor. secs. 21, 22, 27, and 28, on N. head wall of culvert; chiseled square | 776.41 |
| T. 51 N., R. 34 W., cor. secs. 20, 21, 28, and 29, 5 ft. N. and 105 ft. W. from iron pin, 101 ft. S. and 57 ft. E. from SE. corner of Brink School, 5 ft. N. and 3 ft. E. from 12-in. hackberry tree, in concrete post; standard tablet stamped "T T 22 BO 1933 992" | 992.168 |
| Reference mark, 110 ft. N. and 70 ft. W. from tablet, on S. end of first concrete step; chiseled square | 996.23 |
| T. 51 N., R. 34 W., near center of NW 1/4 sec. 21, on S. head wall of concrete culvert; chiseled square | 893.71 |
| T. 51 N., R. 34 W., cor. secs. 16, 17, 20, and 21, 30 ft. N. and 20 ft. E. from T-rd. E., on N. end of concrete pipe culvert; chiseled square | 963.80 |
| T. 51 N., R. 34 W., in SE 1/4 sec. 8, 1 ft. N. and 48 ft. E. from NE. corner of Browns School, 23 ft. W. of rd., 4 ft. W. of telephone pole, in concrete post; standard tablet stamped "T T 25 BO 1933 965" | 964.975 |
| Reference mark, on N. end of concrete step at entrance to school; chiseled square | 963.37 |
| T. 51 N., R. 34 W., in E 1/2 sec. 9, 40 ft. N. of rd., in root on W. side of 10-in. elm tree; copper nail and washer | 917.02 |
| T. 51 N., R. 34 W., quarter cor. between secs. 10 and 11, 20 ft. N. and 80 ft. W. from, on W. end of N. concrete head wall of culvert; chiseled square | 946.83 |
| T. 51 N., R. 34 W., near center sec. 11, about 4.5 mi. W. of Barry, 100 ft. N. and 85 ft. W. from NW. corner of Rocky Point School, 40 ft. S. and 80 ft. E. from junction of rd. N., 4 ft. E. of telephone pole, in concrete post; standard tablet stamped "T T 24 BO 1933 935" | 934.963 |
| Reference mark, 175 ft. S. and 50 ft. W. from tablet, on concrete well top; chiseled square | 930.11 |
| T. 51 N., R. 34 W., near W. sixteenth cor. sec. 12, on N. head wall of concrete culvert; chiseled square | 989.79 |
| T. 51 N., R. 33 and 34 W., quarter cor. between secs. 7 and 12, 110 ft. S. and 28 ft. E. from U.S. Highway 71 at E.-W. crossroad (now County Routes T and A), on N. end of bottom concrete step to schoolyard; chiseled square | 1,073.43 |
| T. 51 N., R. 33 W., quarter cor. between secs. 7 and 8, 65 ft. N. and 75 ft. W. from, in root of 18-in. oak tree; copper nail and washer | 1,019.54 |
| T. 51 N., R. 33 W., center sec. 8, 38 ft. S. and 41 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 1 1911 Mo 995" (reset) | 992.288 |
| T. 51 N., R. 33 W., center sec. 8, 20 ft. N. and 430 ft. E. from, on N. concrete head wall of culvert; chiseled square | 956.96 |
| T. 51 N., R. 33 W., center sec. 9, 40 ft. N. and 60 ft. E. from, in root on S. side of twin oak tree; nail and washer | 1,002.48 |
| T. 51 N., R. 33 W., in E 1/2 sec. 10, at culvert with pipe guardrails, on S. concrete head wall; chiseled square | 948.92 |

8. FROM SEC. 8, T. 51 N., R. 33 W., SOUTH TO NORTHMOOR
(by R. F. Gallup in 1933)

| | <u>Feet</u> |
|--|-------------|
| T. 51 N., R. 33 W., center sec. 17, 70 ft. N. and 35 ft. W. from, in root on N. side of elm tree; copper nail and washer | 952.48 |
| T. 51 N., R. 33 W., in SE 1/4 NE 1/4 sec. 20, 34 ft. E. of center of triangle formed by rd. forks, 6 ft. S. and 84 ft. E. from bridge over Line Creek, in concrete post; standard tablet stamped "T T 18 BO 1933 836" | 836.019 |
| Reference mark, on top of SE. wing wall of bridge; chiseled square Northern Heights, on line between secs. 21 and 28, T. 51 N., R. 33 W., W. of Kansas City, Clay County & St. Joseph Ry. right-of-way (now abandoned), 150 ft. E. of rd., on S. end of bottom step to Haas Grocery Store; chiseled square | 837.62 |
| T. 51 N., R. 33 W., on line between secs. 28 and 33, 20 ft. N. and 100 ft. E. from crossroads, in root on N. side of walnut tree; copper nail and washer | 818.06 |
| Northmoor, in SE 1/4 sec. 33, T. 51 N., R. 33 W., 22 ft. N. and 5 ft. E. from NE. corner of post office, 70 ft. N. and 15 ft. W. from crossroads, 2 ft. W. of telephone pole, in concrete post; standard tablet stamped "T T 16 BO 1933 777" | 878.94 |
| Reference mark, 55 ft. S. and 70 ft. E. from tablet, on SW. corner of concrete platform of sta.; chiseled square | 777.292 |
| | 780.79 |

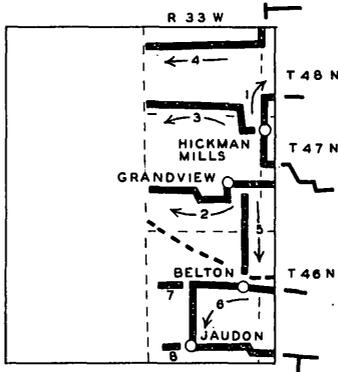
9. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 24, T. 49 N.,
R. 33 W., WEST THROUGH KANSAS CITY TO KANSAS-MISSOURI
STATE LINE (by L. V. Johnson in 1935)
(Continued from Independence No. 3 quadrangle;
see line 10.)

| | |
|--|---------|
| Kansas City, 40 ft. S. and 75 ft. W. from intersection of Raytown Road and Thirty-first Street, 40 ft. NW. of filling sta., on W. end of concrete retaining wall; chiseled square | 788.68 |
| Kansas City, at Milton Moore School, 40 ft. S. of Thirty-first Street, 26 ft. E. of Cypress Avenue, in NW. corner of schoolyard, in concrete post; standard tablet stamped "T T 7 BO 1933 944" | 944.223 |
| Reference mark, 12 ft. W. of tablet, on concrete curb; chiseled square Kansas City, 12 ft. N. and 20 ft. E. from intersection of East Thirty-fifth Street and Cypress Avenue, on concrete curb; chiseled square | 943.94 |
| Kansas City, in center of intersection of East Thirty-fifth Street and Jackson Avenue; iron plate stamped "Kansas City Standard Bench and Monument" | 959.89 |
| Kansas City, 18 ft. N. and 45 ft. E. from intersection of East Thirty-fifth Street and Indiana Avenue, on concrete curb; chiseled square | 918.766 |
| Kansas City, in center of intersection of East Thirty-fifth Street and Prospect Avenue; iron plate stamped "Kansas City Standard Bench and Monument" | 968.43 |
| Kansas City, in center of intersection of East Thirty-fifth Street and Woodland Avenue; iron plate stamped "Kansas City Standard Bench and Monument" | 924.563 |
| Intersection of East Thirty-fifth Street and Flora Avenue; surface of street | 955.233 |
| Kansas City, in center of intersection of Armour Boulevard and Troost Avenue; iron plate stamped "Kansas City Standard Bench and Monument" | 953.0 |
| Kansas City, in center of intersection of Armour Boulevard and Gillham Road; iron plate stamped "Kansas City Standard Bench and Monument" | 942.568 |
| Kansas City, 49 ft. S. and 31 ft. E. from intersection of Armour Boulevard and Hyde Park Avenue, in NW. corner of yard of dwelling of Bishop Lillis (301 E. Armour), in concrete post; standard tablet stamped "T T 8 BO 1933 941" | 931.552 |
| Reference mark, 40 ft. NE. of tablet, on concrete curb; chiseled square Kansas City, in center of intersection of Armour Boulevard and Broadway; iron plate stamped "Kansas City Standard Bench and Monument" | 941.167 |
| Kansas City, in center of intersection of Broadway and Thirty-ninth Street; iron plate stamped "Kansas City Standard Bench and Monument" | 939.96 |
| | 954.281 |
| | 960.230 |

For additional level lines along Missouri River and Quincy, Omaha & Kansas City R.R., refer to United States Coast and Geodetic Survey first-order line, Sioux City, Iowa to Kansas City, Mo.; and second-order line, Kansas City to Plattsburg.

OLATHE NO. 1 QUADRANGLE*
(Latitude $38^{\circ}45' - 39^{\circ}00'$; longitude $94^{\circ}30' - 94^{\circ}45'$)

Cass and Jackson Counties



1. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 7, T. 47 N., R. 32 W., NORTH INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 30, T. 48 N., R. 32 W. (by A. V. Ferry in 1933)
(Continued from Harrisonville No. 2 quadrangle; see line 2.)

| | <u>Feet</u> |
|--|-------------|
| T. 47 N., Rs. 32 and 33 W., near cor. secs. 7, 12, 13, and 18, 30 ft. N. and 20 ft. W. from rd. corner, in root on S. side of 12-in. hackberry tree; nail and washer | 971.72 |
| T. 47 N., Rs. 32 and 33 W., near cor. secs. 1, 6, 7, and 12, 25 ft. N. and 5 ft. W. from T-rd. S., in root on SE. side of 24-in. wild-cherry tree; nail and washer | 1,013.65 |
| T. 47 N., R. 33 W., in E 1/2 sec. 1, about 0.8 mi. E. of Hickman Mills, 75 ft. S. and 153 ft. W. from SW. corner of Ruskin High School, 20 ft. S. and 57 ft. E. from Jackson County Highway 4-E (Blue Ridge Boulevard) at private drive to school, in concrete post; standard tablet stamped "T T 21 T 1933" | 1,049.528 |
| Reference mark, 35 ft. NW. of tablet, on N. concrete head wall of culvert; chiseled square | 1,049.19 |
| T. 48 N., R. 33 W., about 0.2 mi. W. of SE. cor. sec. 36, 70 ft. N. and 30 ft. W. from crossroads, on W. concrete head wall of culvert; chiseled square | 998.27 |
| T. 48 N., R. 33 W., about 0.2 mi. W. of E. quarter cor. sec. 25, 35 ft. N. and 75 ft. E. from intersection of Jackson County Highways 8-S and 4-E, on E. concrete head wall of culvert; chiseled square | 1,016.45 |
| T. 48 N., Rs. 32 and 33 W., near quarter cor. between secs. 25 and 30, 35 ft. S. and 150 ft. W. from Jackson County Highway 8-S at junction of rd. N., in root on NE. side of 18-in. cedar tree; copper nail and washer | 996.43 |

(Continued in Harrisonville No. 2 quadrangle; see line 3.)

2. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 19, T. 47 N., R. 32 W., WEST TO KANSAS-MISSOURI STATE LINE (by A. V. Ferry in 1933)

| | |
|---|-----------|
| T. 47 N., Rs. 32 and 33 W., near cor. secs. 13, 18, 19, and 24, 85 ft. S. and 25 ft. W. from Jackson County Highway 13-S at junction of rd. S., in root on NW. side of 15-in. elm tree; nail and washer | 981.80 |
| T. 47 N., R. 33 W., near cor. secs. 13, 14, 23, and 24, 25 ft. S. and 260 ft. E. from intersection of U.S. Highway 71 and Jackson County Highway 13-S, on S. concrete head wall of culvert; chiseled square | 1,021.55 |
| T. 47 N., R. 33 W., near cor. secs. 14, 15, 22, and 23, about 0.1 mi. W. of Grandview, 30 ft. S. and 60 ft. W. from junction of rd. SW., 15 ft. SW. of concrete, corner fence post, in concrete post; standard tablet stamped "T T 26 B0 1933 1035" | 1,035.631 |
| Reference mark, 515 ft. SW. of tablet, 20 ft. NW. of rd., in root on E. side of 18-in. thorn tree; nail and washer | 1,027.93 |
| T. 47 N., R. 33 W., near cor. secs. 21, 22, 27, and 28, 20 ft. S. and 20 ft. W. from crossroads, in root on S. side of 18-in. wild-cherry tree; nail and washer | 1,032.84 |
| T. 47 N., R. 33 W., about 200 ft. NW. of cor. secs. 20, 21, 28, and 29, 25 ft. NW. of rd., on rock ledge; chiseled square | 874.58 |
| Martin City, near E. edge of, 45 ft. N. and 40 ft. W. from intersection of Jackson County Highways 13-S (Martin City Road) and 1-W (Holmes Street), in SE. corner of churchyard, in concrete post; standard tablet stamped "1 F 1933 885" | 885.416 |

*Part of this quadrangle lies in Kansas.

| | <u>Feet</u> |
|--|-------------|
| Reference mark, 80 ft. S. of tablet, on S. concrete head wall of culvert; chiseled square | 881.51 |
| T. 47 N., R. 33 W., about 180 ft. W. of quarter cor. between secs. 19 and 20, 45 ft. N. of highway, in root on SW. side of 30-in. black-locust tree; nail and washer | 944.45 |
| T. 47 N., R. 33 W., about 0.4 mi. W. of quarter cor. between secs. 19 and 20, at Kans.-Mo. State line, on E. concrete head wall of culvert; chiseled square | 973.80 |

3. FROM HICKMAN MILLS WEST TO KANSAS-MISSOURI STATE LINE
(by A. V. Ferry in 1933)

| | |
|---|---------|
| T. 47 N., R. 33 W., near quarter cor. between secs. 1 and 2, 130 ft. E. of crossroads, in root on S. side of 18-in. soft-maple tree; nail and washer | 981.45 |
| T. 47 N., R. 33 W., about 0.3 mi. N. of quarter cor. between secs. 2 and 3, 30 ft. S. and 150 ft. E. from T-rd. E., in root on NW. side of 18-in. soft-maple tree; nail and washer | 988.46 |
| T. 48 N., R. 33 W., near quarter cor. between secs. 34 and 35, 40 ft. S. and 35 ft. W. from T-rd. S., 7 ft. SW. of 18-in. walnut tree, in concrete post; standard tablet stamped "2 F 1933 964" | 964.351 |
| Reference mark, 220 ft. W. of tablet, in root on NW. side of 24-in. walnut tree; nail and washer | 969.67 |
| T. 48 N., R. 33 W., about 400 ft. E. of quarter cor. between secs. 33 and 34, 40 ft. S. of rd., in root on W. side of 12-in. oak tree; nail and washer | 933.61 |
| T. 48 N., R. 33 W., about 700 ft. E. of quarter cor. between secs. 32 and 33, 15 ft. S. of rd., in root on S. side of 18-in. elm tree; nail and washer | 887.59 |
| T. 48 N., R. 33 W., quarter cor. between secs. 31 and 32, 35 ft. S. and 35 ft. E. from intersection of Jackson County Highway 2-W and Voiland Road, 10 ft. S. and 12 ft. E. from telephone pole, in concrete post; standard tablet stamped "3 F 1933 816" | 816.249 |
| Reference mark, 250 ft. W. of tablet, in root on S. side of 12-in. elm tree; nail and washer | 815.28 |
| T. 48 N., R. 33 W., near W. quarter cor. sec. 31, at Kans.-Mo. State line, 30 ft. S. and 25 ft. E. from crossroads, on concrete head wall of culvert; chiseled square | 825.02 |

4. FROM ARMOURDALE QUADRANGLE AT SEC. 12, T. 48 N., R. 33 W., WEST
TO KANSAS-MISSOURI STATE LINE (by R. F. Gallup in 1933)
(Continued from Armourdale quadrangle; see line 6.)

| | |
|--|-------------------|
| Kansas City, 830 ft. N. of E. end of bridge entrance to Swope Park, 8 ft. N. and 16 ft. W. from SW. corner of zoo slaughter house, 4 ft. S. of 10-in. hickory tree, in concrete post; standard tablet stamped "T 14 BO 1933 780" | 779.486 |
| Reference mark, 36 ft. W. of concrete post, in root of 24-in. hickory tree; nail and washer | 779.62 |
| Kansas City, SW. of intersection of Gregory and Cleveland Avenues, on concrete curb; chiseled square | 851.11 |
| Kansas City, NW. of intersection of Seventy-fifth Street and Prospect Avenue, on concrete curb near fire hydrant; chiseled square | 949.00 |
| Kansas City, 320 ft. N. and 46 ft. E. from intersection of Seventy-fifth Street and Tracy Avenue, 16 ft. S. and 22 ft. W. from SW. corner of Marlborough School, in concrete post; standard tablet stamped "T T 15 BO 1933 982" | 981.658 982.51 |
| Reference mark, on E. end of bottom step of school; chiseled square | |
| Kansas City, NE. of intersection of Broadway and Seventy-fifth Street, 6 ft. S. of SW. corner of Westmoreland Building, on concrete walk; chiseled square | 988.44 |

5. FROM GRANDVIEW SOUTH ALONG U.S. HIGHWAY 71 TO BELTON
(by J. McDougal in 1934)

| | |
|--|-----------|
| Grandview, 1 mi. E. of, 30 ft. N. and 150 ft. W. from intersection of Jackson County Highway 13-S, in concrete post; standard tablet | 1,045.553 |
| Grandview, about 0.5 mi. S. of, on E. head wall of culvert; chiseled square | 983.53 |
| Grandview, about 1.7 mi. S. of, on NE. abutment of bridge; chiseled square | 941.08 |
| Grandview, about 3 mi. S. of, about 25 ft. N. and 27 ft. E. from rd. junction, 5 ft. NE. of corner fence post, in top of concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,019.830 |
| Belton, about 2.5 mi. N. of, 14 ft. E. of highway, on E. head wall of concrete culvert; chiseled square | 985.84 |
| Belton, 28 ft. N. and 8 1/2 ft. E. from U.S. Highway 71 at corner E.-N. produced, in park of J. O. Sale, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,103.242 |

| | |
|--|-----------------------|
| 6. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 18, T. 46 N., R. 32 W., WEST TO SEC. 8, T. 46 N., R. 33 W., THENCE SOUTH TO JAUDON, THENCE EAST INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 31, T. 46 N., R. 32 W. (by C. T. Shepherd in 1934) | |
| Belton, 1.5 mi. E. of, about 0.3 mi. E. of NW. cor. sec. 18, T. 46 N., R. 32 W., 26 ft. S. of U.S. Highway 71, in concrete post; U.S.C. & G.S. and State Survey standard tablet | Feet 1,086.938 |
| Reference mark, 0.2 mi. W. of tablet, 25 ft. N. of highway, in root of cottonwood tree; lead-headed nail and washer | 1,058.60 |
| T. 46 N., R. 33 W., quarter cor. between secs. 12 and 13, in S. head wall of concrete box culvert; monel rivet | 1,058.69 |
| Belton, 28 ft. N. and 84 ft. E. from U.S. Highway 71 at corner E.-N. produced, in park of J. O. Sale, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,103.242 1,098.75 |
| Reference mark, 200 ft. SW. of tablet, in root of 24-in. maple tree; nail T. 46 N., R. 33 W., 480 ft. W. of N. quarter cor. sec. 14, 15 ft. S. of rd., 7 ft. E. of corner post, in yard of J. V. Earney, in top of concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,085.569 |
| T. 46 N., R. 33 W., 200 ft. W. of NE. cor. sec. 15, on S. head wall of concrete culvert; chiseled square | 1,061.49 |
| T. 46 N., R. 33 W., E. sixteenth cor. between secs. 9 and 16, in yard of F. M. Jones, in root of third maple tree from fence corner; copper nail and washer | 1,089.95 |
| Jaudon, 3.8 mi. N. of, cor. secs. 8, 9, 16, and 17, T. 46 N., R. 33 W., 725 ft. S. of crossroads, 4 ft. S. and 2 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,056.779 |
| Jaudon, 3.5 mi. N. of, near quarter cor. between secs. 16 and 17, at top of high hill, 185 ft. N. and 18 ft. W. from rd. at hedge fence E., 2 ft. E. of fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,077.197 |
| T. 46 N., R. 33 W., cor. secs. 16, 17, 20, and 21, in S. end of W. head wall of concrete culvert; monel rivet | 1,042.37 |
| Jaudon, 2.2 mi. N. of, S. sixteenth cor. between secs. 20 and 21, T. 46 N., R. 33 W., 47 ft. N. and 81 ft. W. from NW. corner of farmhouse of B. P. Harris, 21 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,066.045 |
| Jaudon, 1.6 mi. N. of, on line between secs. 28 and 29, T. 46 N., R. 33 W., 33 ft. N. and 77 ft. E. from NE. corner of porch of Mount Pleasant School, 3 ft. E. of hedge fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,084.486 |
| T. 46 N., R. 33 W., cor. secs. 28, 29, 32, and 33, 300 ft. S. and 50 ft. W. from crossroads, in root of cedar tree; lead-headed nail and washer | 1,088.14 |
| Jaudon, 50 ft. N. and 20 ft. E. from crossroads, 21 ft. N. and 3 ft. W. from fence corner, on property of Lanner Thorn, in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,023.110 1,017.91 |
| Reference mark, 400 ft. E. of tablet, in willow tree; nail and washer | 1,017.91 |
| Jaudon, 0.5 mi. E. of, near quarter cor. between secs. 4 and 33, Tps. 45 and 46 N., R. 33 W., at top of hill, 20 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,098.713 |
| T. 46 N., R. 33 W., at SW. cor. sec. 34, 40 ft. N. and 135 ft. E. from crossroads, 40 ft. S. of concrete well curb, in root on S. side of 20-in. maple tree; copper nail and washer | 1,084.42 |
| Jaudon, 2 mi. E. of, about 0.2 mi. S. of E. cor. secs. 3 and 34, Tps. 45 and 46 N., R. 33 W., 16 ft. N. and 24 ft. W. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 1,016.915 |
| Reference mark, 630 ft. E. of tablet, on E. end of S. head wall of concrete culvert; chiseled square | 992.21 |
| T. 45 N., R. 33 W., N. sixteenth cor. between secs. 1 and 2, 20 ft. S. and 25 ft. E. from rd. junction, on N. end of E. head wall of concrete culvert; chiseled square | 972.58 |
| T. 45 N., R. 32 and 33 W., about 0.2 mi. S. of N. cor. secs. 1 and 6, 17 ft. N. and 12 ft. E. from T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet | 936.581 |

(Continued in Harrisonville No. 2 quadrangle; see line 10.)

| | |
|--|----------|
| 7. FROM SEC. 8, T. 46 N., R. 33 W., WEST TO KANSAS-MISSOURI STATE LINE (by C. T. Shepherd in 1934) | |
| T. 46 N., R. 33 W., E. sixteenth cor. between secs. 8 and 17, 45 ft. S. and 30 ft. E. from rd. corner, in root of 30-in. elm tree; nail and washer | 1,039.93 |
| T. 46 N., R. 33 W., 250 ft. W. of quarter cor. between secs. 17 and 18, 875 ft. E. of Kans.-Mo. State line, 30 ft. N. of E.-W. rd., in root on S. side of 18-in. box-elder tree; nail and washer | 998.14 |
| 8. FROM KANSAS-MISSOURI STATE LINE EAST TO SEC. 5, T. 45 N., R. 33 W. (by B. D. Harsha in 1935) | |
| T. 45 N., R. 33 W., about 300 ft. W. of N. quarter cor. sec. 5; W. end of N. concrete head wall of culvert | 1,053.46 |

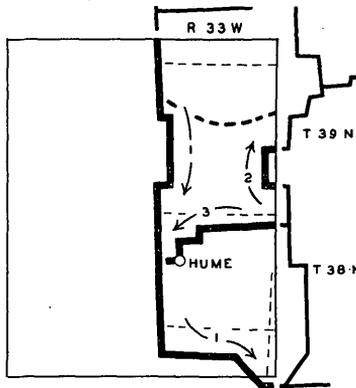
For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Holliday, Kans. to Harrisonville, Mo.

2. FROM ADRIAN QUADRANGLE WEST ALONG STATE HIGHWAY 52 TO KANSAS-MISSOURI STATE LINE (by C. T. Shepherd in 1934)
(Continued from Adrian quadrangle; see line 4.)

| | <u>Feet</u> |
|--|-------------|
| Virginia, 1 mi. W. of, 20 ft. S. and 30 ft. E. from junction of rd. S., on S. head wall of culvert; chiseled square | 881.53 |
| Virginia, 2 mi. W. of, at junction of County Route J, in schoolyard of district 68, on NE. corner of concrete curb of pump; chiseled mark | 858.22 |
| Amoret, 3 mi. E. of, 850 ft. W. of crossroads at cor. secs. 23, 24, 25, and 26, 45 ft. N. of highway at W. end of curve W.-N., 3 ft. S. of right-of-way fence, in concrete post; standard tablet stamped "T T 1123 W 1934" | 826.974 |
| Amoret, 2 mi. E. of, 27 ft. N. and 15 ft. E. from junction of rd. N., on E. head wall of culvert; (mark not described) | 778.21 |
| Amoret, 1 mi. E. of, 30 ft. N. and 15 ft. W. from crossroad, on W. head wall of culvert; (mark not described) | 796.45 |
| Amoret, at E. limits of, 45 ft. S. and 78 ft. W. from rd. junction, in bottom concrete step of First Christian Church; standard tablet stamped "T T 1124 W 1934" | 851.735 |

HUME QUADRANGLE*
(Latitude 38°00'-38°15'; longitude 94°30'-94°45')

Bates and Vernon Counties



1. FROM AMORET QUADRANGLE AT SEC. 30, T. 40 N., R. 33 W., SOUTH ALONG KANSAS-MISSOURI STATE LINE TO SEC. 7, T. 37 N., R. 33 W., THENCE EAST TO SEC. 7, T. 37 N., R. 32 W., INCLUDING THAT PART OF THE LINE IN FORT SCOTT NO. 1 QUADRANGLE (by H. P. Jones in 1934)**
(Continued from Amoret quadrangle; see line 1.)

| | |
|--|---------|
| Tps. 39 and 40 N., R. 33 W., W. cor. secs. 6 and 31, 50 ft. N. and 20 ft. E. from T-rd. E., in root on W. side of 14-in. elm tree; copper nail and washer | 786.42 |
| T. 39 N., R. 33 W., in NW 1/4 sec. 6, 29 ft. E. of Kans.-Mo. State line rd., 36 ft. S. and 119 ft. W. from SW. corner of farmhouse of Mrs. Zella Hall, 16 ft. S. and 41 ft. W. from 30-in. cottonwood tree, in concrete post; standard tablet stamped "308 C W A 1934 785" | 784.596 |
| T. 39 N., R. 33 W., W. cor. secs. 6 and 7, 20 ft. S. and 15 ft. E. from Missouri Pacific R.R. at rd. crossing, 1 ft. above ground in base of crossing signpost; spike | 799.07 |
| T. 39 N., R. 33 W., N. sixteenth cor. sec. 7, 10 ft. N. and 15 ft. W. from T-rd. W., on end of drain pipe; painted square | 852.06 |
| T. 39 N., R. 33 W., quarter cor. between secs. 7 and 18, 35 ft. S. and 23 ft. W. from crossroads, 6 ft. S. and 2 ft. W. from telephone pole, in front yard of dwelling of Charles Courtois, in concrete post; standard tablet stamped "307 C W A 1934 854" | 853.042 |
| T. 39 N., R. 33 W., quarter cor. between secs. 18 and 19, 15 ft. S. and 15 ft. W. from crossroads, in base of transmission-line pole; spike | 882.73 |
| T. 39 N., R. 33 W., quarter cor. between secs. 19 and 30, 20 ft. N. and 70 ft. W. from crossroads, in root on E. side of 20-in. elm tree; copper nail and washer | 856.08 |
| T. 39 N., R. 33 W., W. cor. secs. 19 and 30, 26 ft. S. and 19 ft. E. from Kans.-Mo. State line rd. at rd. E., 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "3017 C W A 1934 905" | 905.058 |
| T. 39 N., R. 33 W., W. cor. secs. 30 and 31, 80 ft. S. and 50 ft. W. from T-rd. E., 30 ft. W. of hedgerow, in root on SE. side of 12-in. elm tree; copper nail and washer | 872.95 |

*Part of this quadrangle lies in Kansas.

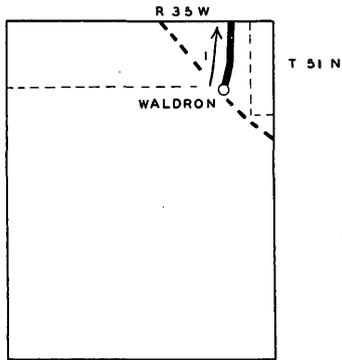
**Elevations on this line supersede those published in Bull. 889, pp. 41-43.

| | <u>Feet</u> |
|---|-------------|
| T. 39 N., R. 33 W., W. quarter cor. sec. 31, 100 ft. N. and 10 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 845.18 |
| T. 38 N., R. 33 W., W. quarter cor. sec. 6, 15 ft. N. and 10 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square | 869.29 |
| T. 38 N., R. 33 W., W. cor. secs. 6 and 7, 23 ft. S. and 22 ft. E. from Kans.-Mo. State line rd. at rd. E., 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "287 C W A 1934 863" | 862.918 |
| T. 38 N., R. 33 W., W. cor. secs. 7 and 18, 15 ft. S. and 25 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square | 904.74 |
| T. 38 N., R. 33 W., W. cor. secs. 18 and 19, 20 ft. N. and 20 ft. E. from T-rd. E., in root on S. side of 18-in. maple tree; copper nail and washer | 873.11 |
| T. 38 N., R. 33 W., W. cor. secs. 19 and 30, on Bates-Vernon county line, 24 ft. S. and 20 ft. E. from Kans.-Mo. State line rd. at right-of-way of rd. E. (rd. closed), 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "314 C W A 1934 875" | 874.740 |
| T. 38 N., R. 33 W., W. cor. secs. 30 and 31, 40 ft. S. and 25 ft. W. from T-rd. E., in root on N. side of 16-in. maple tree; copper nail and washer | 850.19 |
| Tps. 37 and 38 N., R. 33 W., W. cor. secs. 6 and 31, 100 ft. S. and 15 ft. W. from T-rd. E., in root on E. side of 14-in. mulberry tree; copper nail and washer | 886.86 |
| T. 37 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, 22 ft. N. and 28 ft. E. from T-rd. E., 3 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "304 C W A 1934 834" | 833.644 |
| T. 37 N., R. 33 W., W. quarter cor. sec. 7, 35 ft. N. and 15 ft. E. from T-rd. E., in root on N. side of 9-in. willow tree; copper nail and washer | 787.91 |
| T. 37 N., R. 33 W., in SE 1/4 sec. 7, 50 ft. S. and 10 ft. E. from rd. corner, N.-E., in root on W. side of 22-in. cottonwood tree; copper nail and washer | 793.96 |
| T. 37 N., R. 33 W., S. sixteenth cor. sec. 8, 25 ft. S. and 15 ft. E. from T-rd. W., in root on SW. side of 9-in. elm tree; copper nail and washer | 788.88 |
| T. 37 N., R. 33 W., E. sixteenth cor. between secs. 5 and 8, 40 ft. S. and 15 ft. W. from T-rd. S., in root on W. side of 16-in. pecan tree; copper nail and washer | 818.14 |
| T. 37 N., R. 33 W., in NW 1/4 sec. 9, 27 ft. S. and 22 ft. E. from T-rd. S., 2 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "289 C W A 1934 848" | 847.484 |
| T. 37 N., R. 33 W., in NE 1/4 sec. 16, 10 ft. S. and 90 ft. E. from T-rd. S., on SW. wing wall of concrete culvert; chiseled square | 786.14 |
| T. 37 N., R. 33 W., center sec. 10, 15 ft. N. and 10 ft. E. from T-rd. E., on SE. wing wall of concrete culvert; chiseled square | 820.12 |
| Wolf School, 0.2 mi. E. of, center sec. 11, T. 37 N., R. 33 W., 3/4 ft. N. and 16 ft. W. from crossroads, in corner of field, in concrete post; standard tablet stamped "312 C W A 1934 817" | 817.496 |
| T. 37 N., R. 33 W., cor. secs. 11, 12, 13, and 14, 15 ft. N. and 20 ft. E. from T-rd. E., on head wall of concrete culvert; chiseled square | 821.16 |
| T. 37 N., R. 32 W., in SW 1/4 sec. 7, at E. entrance to Stony Point School, on NE. corner of concrete porch; chiseled square | 877.83 |
| 2. FROM BUTLER NO. 3 QUADRANGLE AT SEC. 25, T. 39 N., R. 33 W., NORTH INTO BUTLER NO. 3 QUADRANGLE AT SEC. 13, T. 39 N., R. 33 W. (by H. P. Jones in 1934) (Continued from Butler No. 3 quadrangle; see line 4.) | |
| T. 39 N., R. 33 W., quarter cor. between secs. 24 and 25, 29 ft. S. and 12 ft. E. from T-rd. N., 5 ft. N. and 5 ft. E. from corner of hedge fence, in concrete post; standard tablet stamped "430 C W A 1934 851" | 850.714 |
| T. 39 N., R. 33 W., quarter cor. between secs. 13 and 24, 5 ft. N. and 20 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square | 869.31 |
| Foster, at SW. corner of Bank of Foster, on first step above sidewalk; chiseled square | 831.25 |
| (Continued in Butler No. 3 quadrangle; see line 4.) | |
| 3. FROM BUTLER NO. 3 QUADRANGLE WEST ALONG COUNTY ROUTE A TO KANSAS-MISSOURI STATE LINE (by B. A. Barnes in 1934). (Continued from Butler No. 3 quadrangle; see line 6.) | |
| T. 38 N., R. 33 W., cor. secs. 1, 2, 11, and 12, 60 ft. N. and 18 ft. E. from crossroads, in root of ash tree; copper nail and washer | 873.58 |
| T. 38 N., R. 33 W., quarter cor. between secs. 2 and 11, on E. end of S. head wall of concrete culvert; chiseled square | 860.23 |
| T. 38 N., R. 33 W., 926 ft. W. of cor. secs. 2, 3, 10, and 11, on E. end of S. head wall of concrete culvert; chiseled square | 858.58 |
| Hume, 2.2 mi. NE. of, about 0.3 mi. W. of cor. secs. 3, 4, 9, and 10, T. 38 N., R. 33 W., 12 ft. S. of highway, in center of upstream head wall of concrete culvert; standard tablet stamped "T T 1107 W 1934" | 869.904 |
| Hume, in SE. corner of city park, 53 ft. N. and 53 ft. W. from First Street at highway (East Hume Street), in concrete post; standard tablet stamped "290 C W A 1934" | 893.533 |

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey second-order line; Madison, Kans. to Montileth Junction, Mo.

BONNER SPRINGS QUADRANGLE*
 (Latitude $39^{\circ}00' - 39^{\circ}15'$; longitude $94^{\circ}45' - 95^{\circ}00'$)

Platte County



1. FROM WALDRON NORTH INTO LEAVENWORTH QUADRANGLE AT SEC. 12,
 T. 51 N., R. 35 W. (by S. K. Atkinson in 1906)

Waldron, 350 ft. E. of Chicago, Burlington & Quincy R.R., 300 ft. N. of
 Methodist Episcopal Church, in large sandstone boulder; aluminum tablet
 stamped "781"

Feet
 779.944

Waldron, 2.5 mi. NE. of, near center of NW 1/4 sec. 12, T. 51 N.,
 R. 35 W., at rd. forks near farm of E. F. Neiman; iron post stamped
 "924"

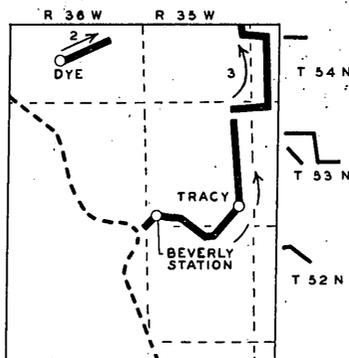
922.578

For an additional level line along Missouri River, refer to United
 States Coast and Geodetic Survey first-order line, Sioux City,
 Iowa to Kansas City, Mo.

*A small portion of this quadrangle lies in Kansas.

LEAVENWORTH QUADRANGLE
(Latitude $39^{\circ}15' - 39^{\circ}30'$; longitude $94^{\circ}45' - 95^{\circ}00'$)

Platte County



1. FROM BEVERLY STATION EAST ALONG CHICAGO, ROCK ISLAND & PACIFIC RAILWAY TO TRACY, THENCE NORTH ALONG ROADS 4-MILES (by S. K. Atkinson in 1906)

| | Feet |
|--|-----------|
| Beverly Station, 0.4 mi. E. of sta., 75 ft. N. of tracks, at rd. crossing; iron post stamped "773" | 771.130 |
| Beverly Station, 3 mi. E. of, 100 ft. W. of bridge 646, at rd. crossing, S. of tracks, W. of rd.; iron post stamped "804" | 802.338 |
| Platte City, 1,000 ft. E. of Tracy sta., 50 ft. N. of tracks, in front of store of Adam Glebb; iron post stamped "778" | 776.189 |
| Hampton, 1 mi. W. of, near Elm Grove Church, at crossroads, on SW. corner of land of James Wallace; iron post stamped "1002" | 1,000.714 |
| Platte City, 4 mi. N. of, near center sec. 1, T. 53 N., R. 35 W., at crossroads, on farm of C. P. Ballard; iron post stamped "916" | 914.628 |

2. FROM DYE NORTHEAST 3 MILES (by S. K. Atkinson in 1906)

| | |
|---|-----------|
| Dye, 600 ft. S. of post office, at NE. corner of dwelling of J. McCalley; iron post stamped "901" | 900.159 |
| Dye, 3 mi. NE. of, near rd. junction, at SW. corner of dwelling of W. H. McCalley; iron post stamped "1056" | 1,055.173 |

3. FROM SEC. 1, T. 53 N., R. 35 W., NORTH AND WEST INTO DEARBORN QUADRANGLE AT SEC. 13, T. 54 N., R. 35 W. (by P. W. McMillen in 1912)

| | |
|---|----------|
| Platte City, 4 mi. N. of, near center sec. 1, T. 53 N., R. 35 W., 40 ft. NE. of crossroads; iron post stamped "916" | 914.628 |
| Camden Point, 1.5 mi. S. of, in sec. 6, T. 53 N., R. 34 W., 50 ft. W. of crossing over old R.R. grade, in root of 12-in. buckeye tree; copper nail | 832.17 |
| Camden Point, 1 mi. W. of, in NE 1/4 sec. 31, T. 54 N., R. 34 W., 100 ft. SW. of crossing over old R.R. grade, in root of 18-in. elm tree; spike | 885.15 |
| T. 54 N., R. 34 W., in sec. 30, 90 ft. SW. of crossing over old R.R. grade, in root of 20-in. thorn-locust tree; spike | 892.14 |
| T. 54 N., R. 34 W., 650 ft. S. of cor. secs. 17, 18, 19, and 20, between old R.R. grade and rd., in root of 15-in. elm tree; spike and washer | 920.69 |
| Dearborn, 1.5 mi. SE. of, on line between secs. 7 and 18, T. 54 N., R. 34 W., 50 ft. S. of crossing over old R.R. grade, in root of 12-in. hackberry tree; spike | 972.24 |
| Dearborn, 1.5 mi. S. of, W. cor. secs. 7 and 18, T. 54 N., R. 34 W., E. cor. secs. 12 and 13, T. 54 N., R. 35 W., 100 ft. W. of crossroads, in root of 30-in. hackberry tree; copper nail | 1,023.82 |

For an additional level line along Missouri River, refer to United States Coast and Geodetic Survey first-order line, Sioux City, Iowa to Kansas City, Mo.

*Part of this quadrangle lies in Kansas.

BM
MAG
GA