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SPIRIT LEVELING IN MISSOURI

PART 8. WEST-CENTRAL MISSOURI

1896-1938

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Prepared in cooperation with the
STATE OF MISSOURI
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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.

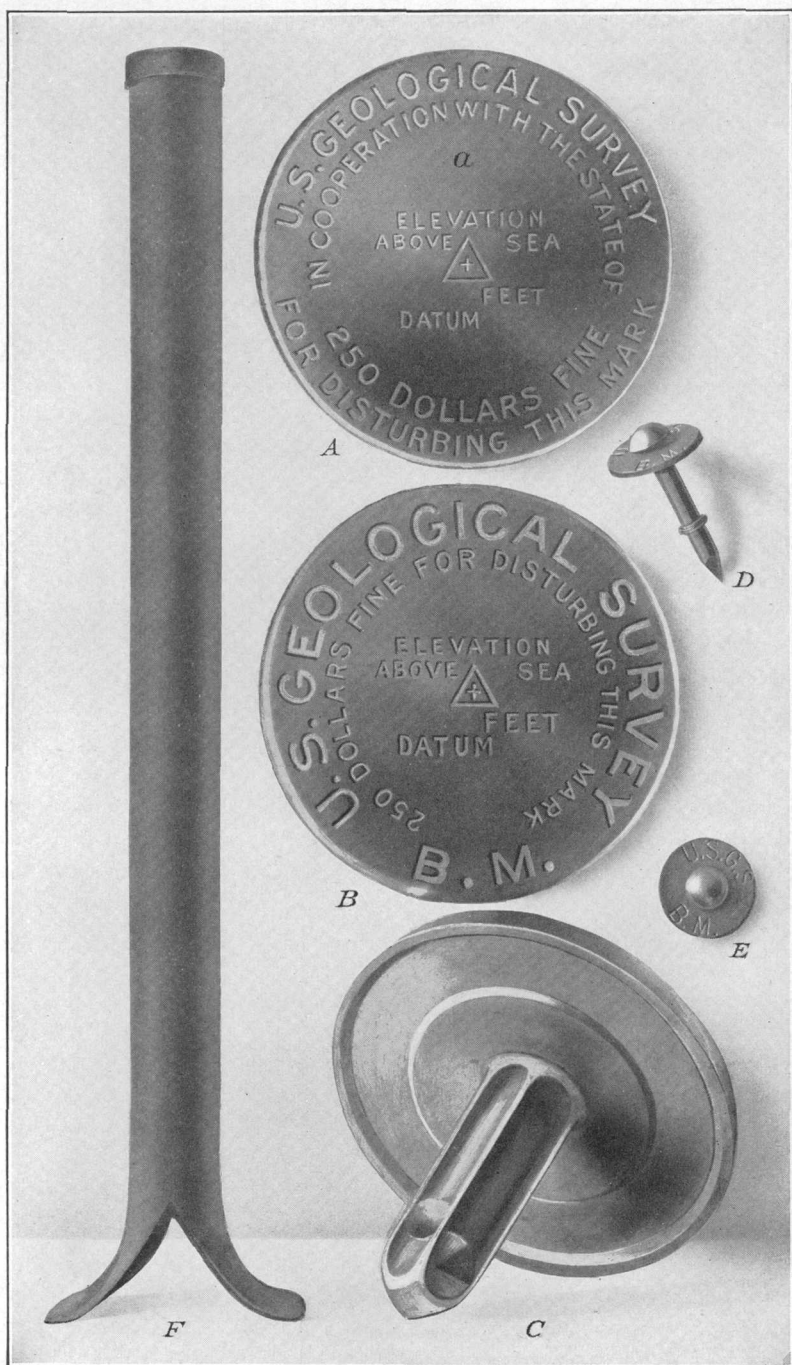
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

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-

eter 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. 44, 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

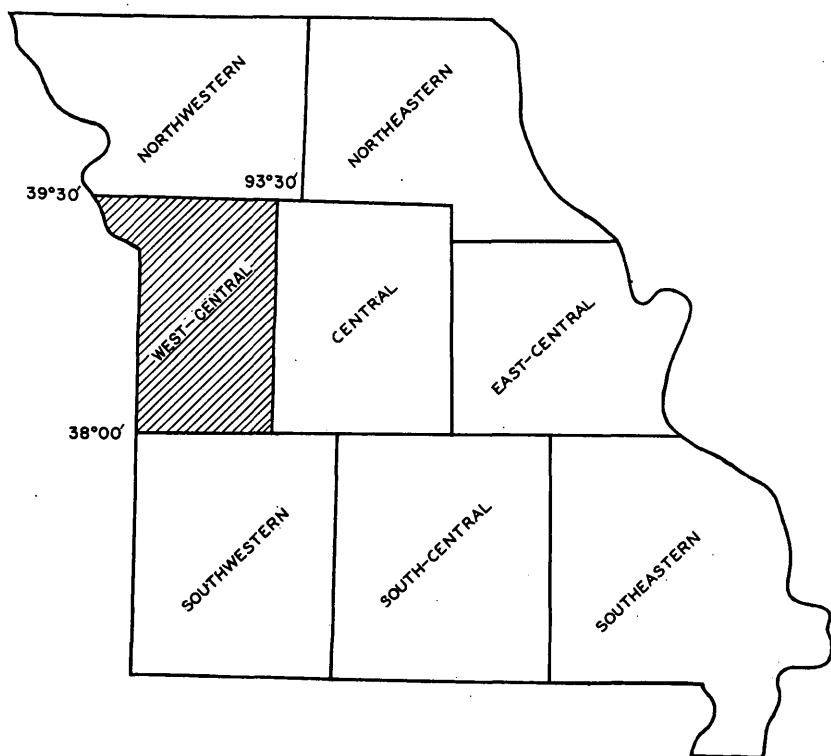


Figure 15.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as west-central Missouri.

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-

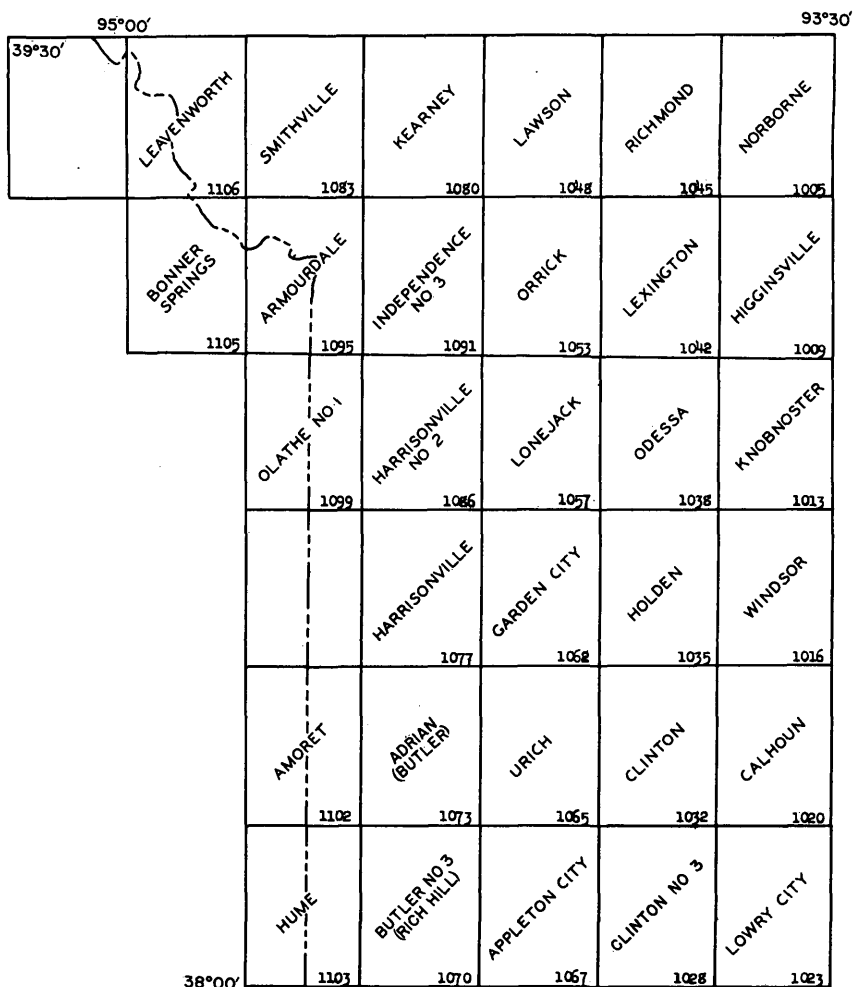


Figure 16.—Index map of west-central Missouri showing the quadrangles into which this section of the State has been divided. No leveling has been done by the United States Geological Survey in quadrangles in which no name appears.

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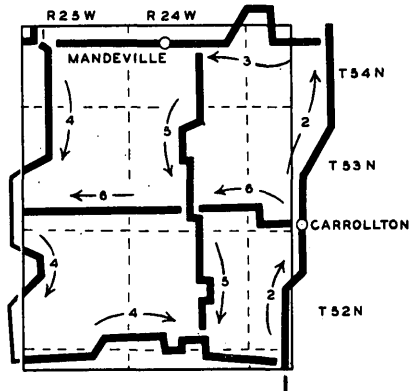
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Mandeville	1006	quadrangle)	1064
Martin City.	1099	Pleasant View School (Odesa quad-	
Mattox, R. W., leveling by	1016, 1017-1019,	rangle)	1011
1036-1037, 1039-1041,		Prairie City.	1068
1060-1061, 1063-1064		Prairie Flower School	1007
Maurine	1034	Prairie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

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

THIRD-ORDER LEVELING

NORBORNE QUADRANGLE
(Latitude 39°15'1"-39°30'; longitude 93°30'1"-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"	665.184
Junction of rd. W.; surface of highway	665.1
Carrollton, 4.9 mi. S. of, on NW. wing wall of bridge over Bowdry Lake; chiseled square	665.46
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"	664.278
Carrollton, 3.6 mi. S. of, on center of W. head wall of concrete culvert; chiseled square	665.99
Crossroad; surface of highway	668.9
Carrollton, 2.6 mi. S. of, on NW. wing wall of concrete bridge; chiseled square	664.01
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	665.88
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	668.69
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	668.40
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"	753.829
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	713.92
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	773.56
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"	762.433
Crossroad; surface of highway	758.2
Carrollton, 4.1 mi. N. of, at N. end of bridge, on inside curb of W. railing; chiseled square	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
Junction of rd. E.; surface of highway	800.6
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 1/4 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. E. 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

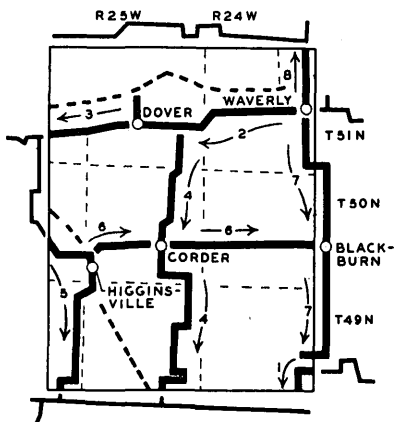
6. FROM CARROLLTON QUADRANGLE AT CARROLLTON, WEST INTO RICHMOND QUADRANGLE AT SEC. 19, T. 53 N., R. 25 W. (by B. A. Barnes in 1936)

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., R. 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

	Foot
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
Crossroads, 30 ft. S. and 27 ft. W. from, in telephone pole; spike	724.54
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., 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
Crossroads, 45 ft. S. and 35 ft. W. from, in telephone pole; spike	720.50
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)

	Feet
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	733.56 837.5
Junction of rd. S.; surface of highway	
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 KNOBNOTER QUADRANGLE (by C. W. Williams in 1936)

(Continued from Lexington quadrangle; see line 7.)

Higginsville, 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
Higginsville, 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 "Higginsville 1934"	835.507
Higginsville, 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 203 ft. E. from highway at fence S., on S. head wall of concrete culvert; chiseled square	785.85
T. 50 N., R. 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 18-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
Culvert, on N. end of E. concrete head wall; chiseled square	720.16
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).

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) *

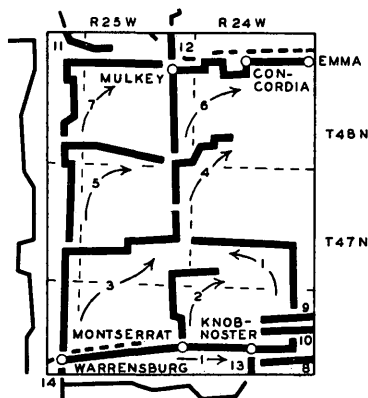
U.S.C.E. B.M. designated "189-59/1"	
Copper bolt	696.639
Top of cap	700.707
Carrollton, 8.3 mi. S. of, in SE 1/4 sec. 18, T. 51 N., R. 23 W., 21 ft. S. and 70 ft. W. from junction of rd. SW., in root on NE. side of 40-in. elm tree; spike	665.05
Carrollton, 7 mi. S. of, on line between secs. 7 and 8, 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 $38^{\circ}45'1''-39^{\circ}00'$; longitude $93^{\circ}30'1''-93^{\circ}45'1''$)

Johnson, Lafayette, and Pettis Counties



1. FROM WARRENSBURG EAST ALONG MISSOURI PACIFIC RAILROAD TO POINT ABOUT 2 MILES EAST OF KNOBNOSTER, THENOE 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. Rawls 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, 30 ft. E. of T-rd. W.; iron post stamped "Mo 765"	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

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)
- | | <u>Feet</u> |
|---|-------------|
| 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.) | 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.)

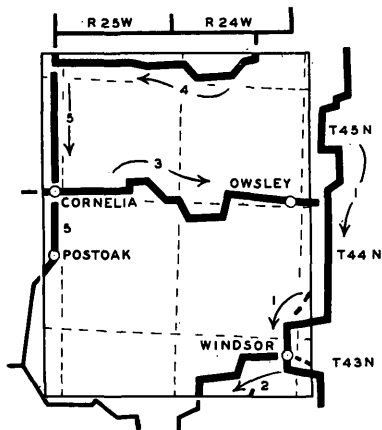
Warrensburg, on State Teachers College Campus, 24 ft. N. and 107 ft. E. from NE. corner of Industrial Arts Building, NE. of walk intersection, in concrete post; standard tablet stamped "17 M 1936"

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 $38^{\circ}30'45''$; longitude $93^{\circ}30'45''$)

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. 45 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>
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 10-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 "3 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)

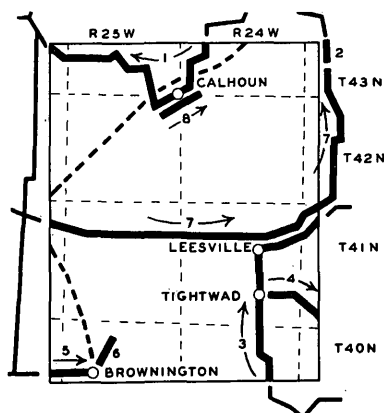
T. 46 N., R. 26 W., center of SE 1/4 sec. 36, 40 ft. W. of crossroad, on S. head wall of concrete culvert; chiseled square	881.46
Junction of rd. W., 250 ft. S. of, on E. head wall of concrete culvert; chiseled square	866.65
T. 45 N., R. 26 W., E. sixteenth cor. sec. 1, 20 ft. N. and 40 ft. E. from junction 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. E. 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
Post oak, 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.)

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	<u>Feet</u> 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	<u>Feet</u> 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 13 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 C. 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
U.S.C. & G.S. standard disk stamped "W 21 1934"	720.704

*Published in line 4 of the Lincoln quadrangle (see Bull. 898-G, p. 973).

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)	Feet 704.962 702.040 701.95
U.S.C. & G.S. standard disk stamped "U 21 1934" 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) 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	794.99 788.40
Highway at culvert, on top of concrete wing wall; chiseled square 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 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	696.78 805.52
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 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	863.94

*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. at rd. crossing, 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

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

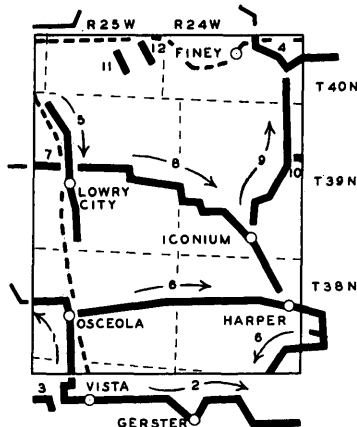
780.090

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., Rs. 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 40-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"

Foot
934.33
901.288

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

849.945
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 "1274 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).

	<u>Feet</u>
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
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(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
Dim 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 dim 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).

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"	<u>Feet</u> 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 tree; 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	885.98
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	937.85
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	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
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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)

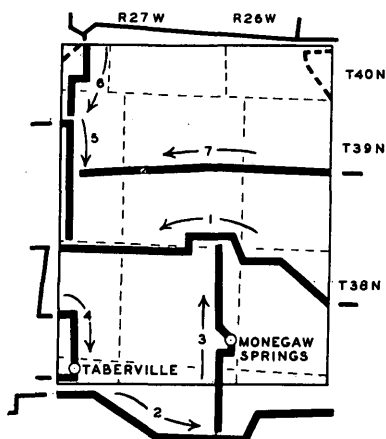
U.S.C. & G.S. standard disk stamped "X 35 1934"	879.454
Mount Zion, 1 mi. N. of, E. sixteenth cor. between secs. 24 and 25, T. 40 N., R. 25 W., 10 ft. S. and 25 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 643 C W A 1934"	863.696

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.)

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	<u>Feet</u> 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 G W A 1934 22 J 820"	819.172
T. 39 N., R. 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, 130 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).

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"	Feet 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. 23, 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 14-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 14-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 24-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 Greenvally 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 14-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.)

Urich, 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

Feet
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., R. 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 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, 0.3 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

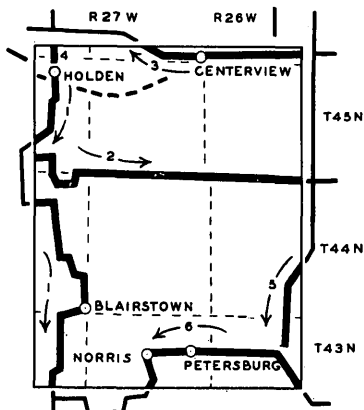
Feet
845.92

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

Blairtown, 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	<u>Feet</u>
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 Brushy School, in concrete post; U.S.C. & G.S. and State Survey standard tablet	767.17
Reference mark, 100 ft. NE. of tablet, on concrete step of school; chiseled square	779.341
Blairtown, 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	785.28
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	809.40
	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

	<u>Feet</u>
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"	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

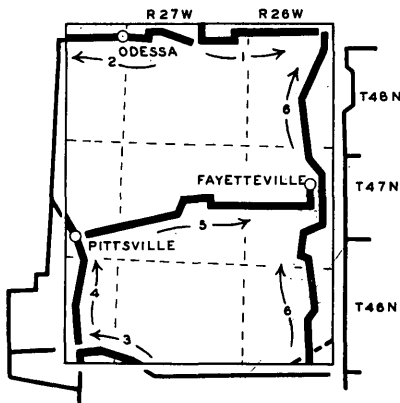
Norris, about 0.8 mi. SE. of, center sec. 15, T. 43 N., R. 27 W., 39 ft. S. and 28 ft. W. from T-rd. S., 19 ft. S. and 7 ft. W. from right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet
Reference mark, 150 ft. SE. of tablet, in root of 24-in. box-elder tree; copper nail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

	Feet
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	835.09

(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)
(Continued from Holden quadrangle; see line 3.)

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, in- side 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., 50 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

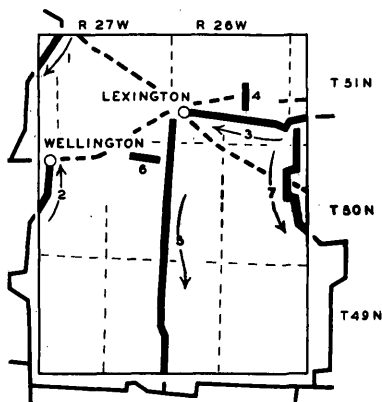
6. FROM MISSOURI PACIFIC R.R. STATION AT WARRENSBURG NORTH TO SEC. 2, T. 48 N., R. 26 W. (by R. W. Mattox in 1936)

	<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	<u>Feet</u> 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 44 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, 14 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
U.S.C. & G.S. standard disk stamped "G 98 1934"	849.103
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
Junction of rd. W.; surface of highway	858.9
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
T-rd. W., on E. head wall of culvert; chiseled square	875.56
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
Culvert, on N. end of W. concrete head wall; chiseled square	812.62
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
Bridge, on NW. wing wall; chiseled square	789.76
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
T-rd. W., in root on N. side of 8-in. elm tree; crossed nails	824.40
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
Culvert, on E. head wall; chiseled square	823.11
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
T-rd. E., near base of telephone pole; spike	913.73
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
Bridge, on SE. corner of wing wall; chiseled square	834.86
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)

Feet

Missouri Pacific R.R. at rd. crossing; top of W. rail
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 825.2
O'Dell triangulation sta.; Missouri River Commission iron post designated
"O'Dell" 933.92
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 973.975
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)

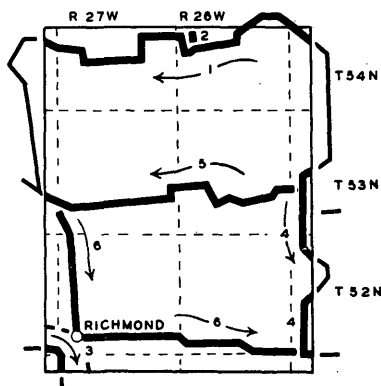
T. 50 N., R. 26 W., in sec. 3, 45 ft. N. of farmhouse, 25 ft. E. of rd.,
in root on NW. side of 34-in. maple tree; copper nail and washer 798.69
T. 50 N., R. 26 W., W. sixteenth cor. sec. 3, 5 ft. S. and 20 ft. W.
from T-rd. E., 2 ft. W. of fence, in concrete post; standard tablet
stamped "1007 C W A 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 692.06
U.S.C. & G.S. standard disk stamped "C 98 1935" 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 cul-
vert; 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
First transmission-line pole SE. of State Highway 13; spike 781.53

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

804.71
742.47

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

721.545

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

679.2

T-rd. N., surface of rd.
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

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	<u>Feet</u> 764.05
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 B. A. Barnes in 1936)

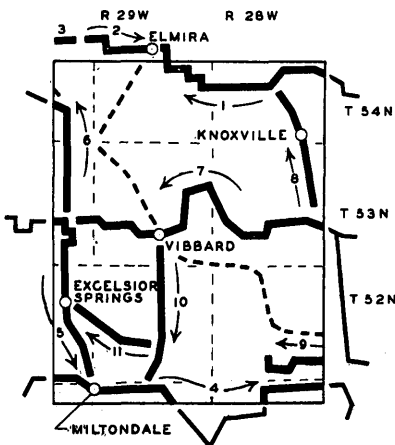
Dockery, 35 ft. N. of general store, 12 ft. N. and 25 ft. E. from junction of rd. E., on center of N. head wall of concrete culvert; chiseled square	777.87
T. 53 N., R. 28 W., near center of NE 1/4 sec. 36, 12 ft. N. and 15 ft. E. from junction of rd. E. and private rd. W., on center of N. head wall 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-Willson 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 Summer, 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, on 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., 84 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)

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 on S. side 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
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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.)

Milondale, 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
Milondale, 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
T-rd. W.; surface of rd.	884.2
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
Rocky Fork Creek, on NE. corner of bridge; painted square	763.48

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, 14 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, 14 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 13-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 14-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, 44 ft. N. and 20 ft. E. from T-rd. N., 14 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 46-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 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)

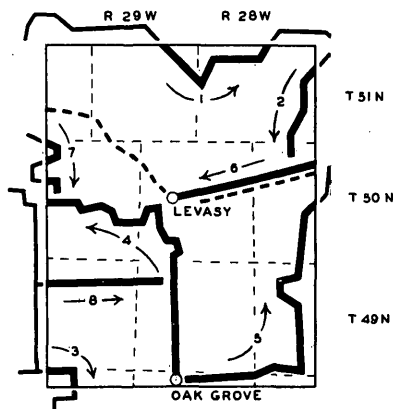
T. 53 N., R. 28 W., in SW 1/4 sec. 13, 170 ft. N. of private lane W., 15 ft. E. of highway, on center of E. head wall of concrete culvert; chiseled square	900.89 936.9
Crossroad; surface of rd.	
Knoxville, 2.7 mi. SE. of, 57 ft. N. and 50 ft. E. from junction of private rd. E., in concrete post; standard 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 24 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 24 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, 44 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

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	<u>Feet</u> 987.73 988.4
Junction of rd. W.; surface of highway	
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	809.68 816.934
U.S.C. & G.S. standard disk stamped "L 74 1935"	
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 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	997.18 929.69
Small concrete bridge over creek, on N. end at E. side; chiseled square	
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	921.66 953.28
Concrete culvert, on center of E. head wall; chiseled square	
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 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 con- crete 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 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 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. con- crete 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

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 Q 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.)

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"	Feet 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	700.97
U.S.C.E. B.M. designated "66/3"	697.210
Copper bolt	701.280
Top of cap	

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.)

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 trees; 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

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"	<u>Feet</u> 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 E. 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 15 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 2 273 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

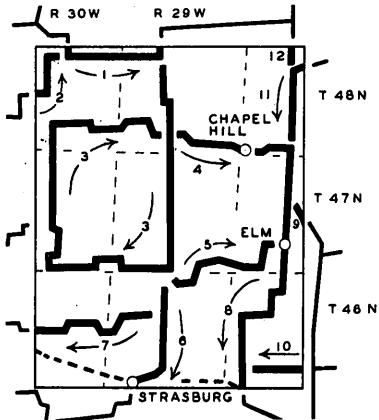
8. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 17, T. 49 N.,
R. 30 W., EAST TO SEC. 16, T. 49 N., R. 29 W.
(by C. T. Shepherd in 1934)

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., W. 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

	Feet
Oak Grove, 4 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>
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	834.59
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	962.31
Reference mark, 110 ft. W. of tablet, in root of 24-in. elm tree; copper nail and washer	930.067
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	921.74
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	892.01
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	814.67
	982.14

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

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	<u>Feet</u> 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

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	<u>Feet</u> 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
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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	763.48
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)

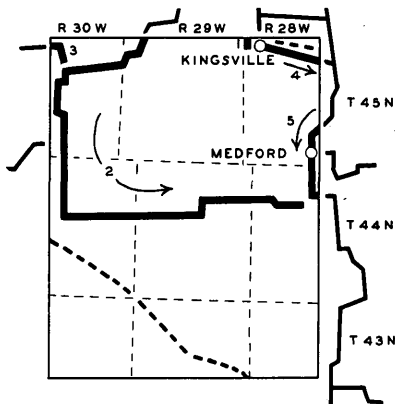
T. 48 N., R. 28 W., center sec. 4, 36 ft. N. and 20 ft. E. from crossroads, in root on W. side of 45-in. elm tree; copper nail and washer

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

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	<u>Feet</u> 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	860.327 862.30
Reference mark, 95 ft. SW. of tablet, in base of telephone pole; spike	856.04
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)	
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.)

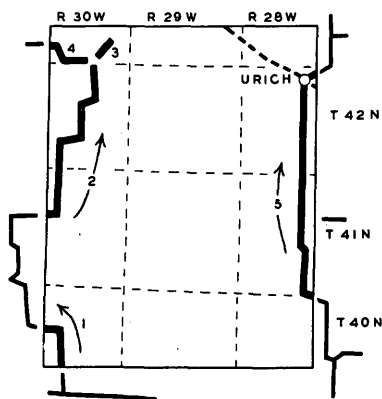
T. 45 N., R. 28 W., S. sixteenth cor. sec. 27, 155 ft. N. and 48 ft. W. from, 45 ft. S. 15° E. of SE. corner of Pleasant View School, in con- crete post; U.S.C. & G.S. and State Survey standard tablet	882.957
Reference mark, 40 ft. NW. of tablet, on W. side of steps to Pleasant View School; chiseled 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.)

	Feet
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"	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
Crossroads; surface of rd.	874.4
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	821.63
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"	905.040
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	894.38
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	837.94
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	843.57
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"	856.423
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	827.70
Bridge over Grand River, on SW. wing wall; (mark not described)	773.74
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	768.57
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"	799.084

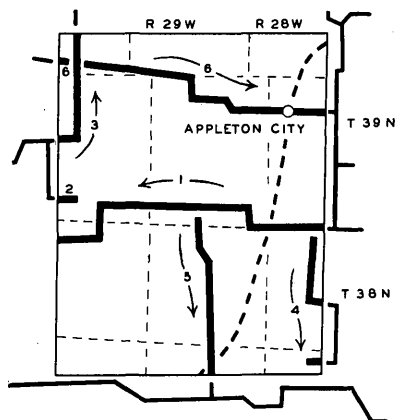
3. FROM SEC. 2, T. 42 N., R. 30 W., NORTHEAST TO SEC. 36, T. 43 N., R. 30 W. (single-run unchecked spur line by C. T. Shepherd in 1935)	
T. 43 N., R. 30 W., W. sixteenth cor. sec. 36, 8 ft. S. and 18 ft. E. from T-rd. E., on S. head wall of concrete culvert; chiseled square	<u>Feet</u> 879.89
4. FROM 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	821.59 785.50
Culvert, on top of W. wing wall; chiseled square	
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	828.24 820.38
Bridge, on top of SW. wing wall; chiseled square	
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	746.07 719.7
Grand River, under bridge; surface of water at 10:30 a.m. Apr. 9, 1936 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.)

	Feet
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 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)	
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	<u>Feet</u> 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

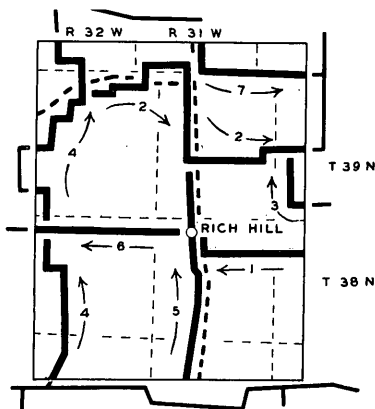
	<u>Feet</u>
T. 40 N., R. 30 W., 500 ft. W. of S. cor. secs. 34 and 35, on top of S. head wall of concrete culvert; chiseled square	914.10
T. 39 N., R. 30 W., N. cor. secs. 2 and 3, 600 ft. W. of junction of rd. S., on S. head wall of concrete culvert; chiseled cross	925.72
T. 40 N., Rs. 29 and 30 W., 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 cross-road 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 $38^{\circ}00' - 38^{\circ}15'$; longitude $94^{\circ}15' - 94^{\circ}30'$)

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.)

	Feet
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"	767.838
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.)

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	Feet 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)

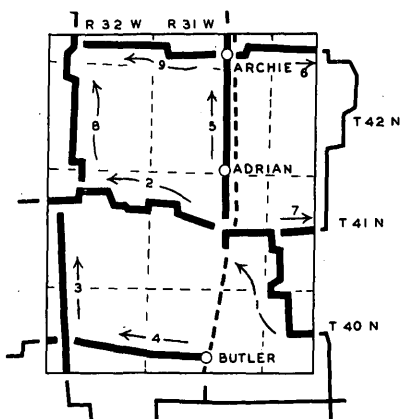
Butler, 0.6 mi. S. of, 36 ft. E. of Missouri Pacific R.R., 43 ft. W. of highway, in concrete post; standard tablet stamped "T T 1108 W 1934"	829.186
Butler, 1.5 mi. S. of, on E. head wall of concrete bridge; chiseled cross	786.76
T. 40 N., R. 31 W., on S. line sec. 34, 30 ft. S. and 12 ft. W. from junction 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.R., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett; and second-order line, Madison, Kans. to Monticello 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 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 2 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

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
 Bridge over South Grand River, on N. end of E. curb; (mark not described)

Feet
 814.46
 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 Concrete culvert, on W. head wall; (mark not described) 877.02
 Ford; top of W. curb 848.30
 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 814.03
 Concrete bridge, on S. curb; (mark not described) 865.99
 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" 805.40
 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.)

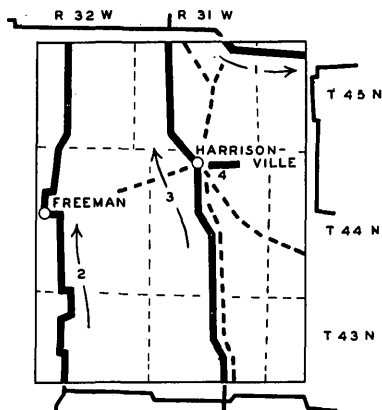
9. FROM ARCHIE WEST ALONG COUNTY ROUTE A TO SEC. 30, T. 43 N., R. 32 W. (by C. T. Shepherd in 1935)

	<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 $38^{\circ}30' - 38^{\circ}45'$; longitude $94^{\circ}15' - 94^{\circ}30'$)

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.)

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	<u>Feet</u> 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	

	Feet
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	848.23
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 "N 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, 50 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

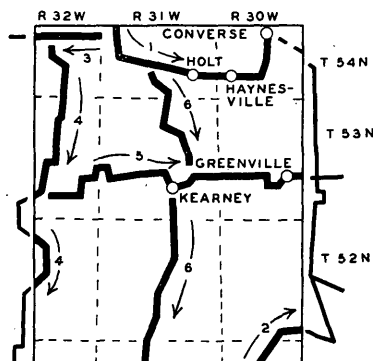
4. FROM HARRISONVILLE EAST ABOUT 2 MILES ALONG STATE HIGHWAY 131
(by C. T. Shepherd in 1935)

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 $39^{\circ}15' - 39^{\circ}30'$; longitude $94^{\circ}15' - 94^{\circ}30'$)

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)

	Feet
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 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.)

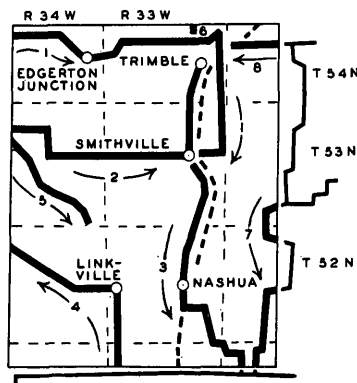
6. FROM SEC. 34, T. 54 N., R. 31 W., SOUTH ALONG COUNTY ROUTE B INTO INDEPENDENCE NO. 3 QUADRANGLE (by C. T. Shepherd in 1934)

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)

	Feet
T. 54 N., R. 34 W., quarter cor. between secs. 8 and 17, NE. of cross-roads; 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)

	Feet
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	757.9
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"

Feet
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
Platte River; surface of water July 15, 1912	753.8
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. Broadbuss 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
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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.)

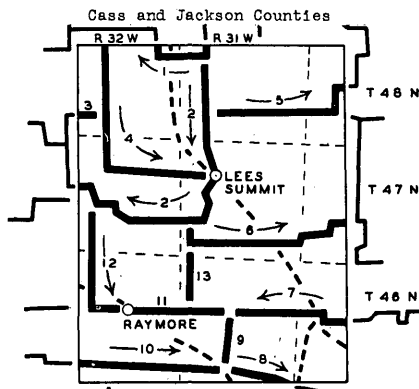
T. 52 N., R. 32 W., N. sixteenth cor. sec. 33, 30 ft. N. and 12 ft. E. from T-rd. E., on E. head wall of concrete culvert; chiseled square	890.46
T. 51 N., R. 32 W., N. quarter cor. sec. 5, 75 ft. S. of T-rd. E., at NW. corner of bridge, in floor; copper nail and washer	879.79

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 $38^{\circ}45' - 39^{\circ}00'$; longitude $94^{\circ}15' - 94^{\circ}30'$)



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)

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

	Feet
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"	1,085.287
N. reference mark; U.S.C. & G.S. limestone post	1,085.325
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	985.33
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	1,004.75
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"	1,022.208
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	1,025.37
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	967.64
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	992.19
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	1,009.38
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"	1,006.340
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	1,008.48
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	953.67
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-E, on S. head wall of concrete culvert; chiseled square	1,036.85
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"	902.274
Reference mark, 0.2 mi. E. of tablet, near E. end of bridge, on S. curb; chiseled square	898.00
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	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
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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.)

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

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"	<u>Feet</u> 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)

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)

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.)

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

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	<u>Feet</u> 908.902
U.S.C. & G.S. B.M. designated "LII"	852.193
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

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	<u>Feet</u>
Reference mark, 100 ft. W. of tablet, in root of 18-in. maple tree; copper nail and washer	1,047.716
Raymore, 1.7 mi. E. of, in NE. wing wall of bridge; monel rivet	1,047.90
T. 46 N., R. 32 W., near E. sixteenth cor. sec. 14, in S. head wall of concrete culvert; monel rivet	987.75
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	994.31
Reference mark, 36 ft. W. of tablet, in root of 24-in. maple tree; copper nail and washer	1,011.465
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	1,011.71
Reference mark, 80 ft. SW. of tablet, in 24-in. maple tree; copper nail and washer	1,040.842
Raymore, 250 ft. E. of Main Street, 24 ft. N. of rd., in root of 15-in. maple tree; lead-headed nail and washer	1,040.69
	1,084.13

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

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. B.M. designated "LXXI"	1,104.440

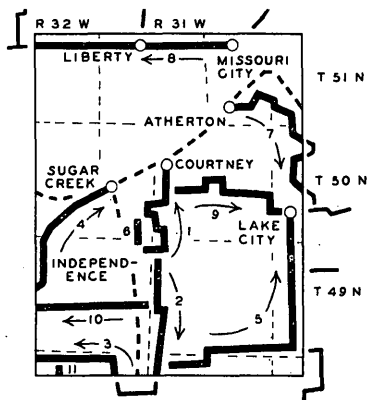
13. FROM SEC. 19, T. 47 N., R. 31 W., SOUTH TO SEC. 13,
T. 46 N., R. 32 W. (by J. McDougal in 1934)

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"	731.826
Copper bolt	737.440
Top of cap	

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.)

	<u>Feet</u>
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	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"	737.902
Top of cap	745.48
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	748.46
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	745.02
Sugar Creek, 350 ft. E. of Missouri Pacific R.R. sta., 40 ft. SE. of rd. crossing, on base of warning signal; chiseled square	745.402
U.S.C.E. B.M. designated "224"	
Copper bolt	

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

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	<u>Feet</u> 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)	
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.)

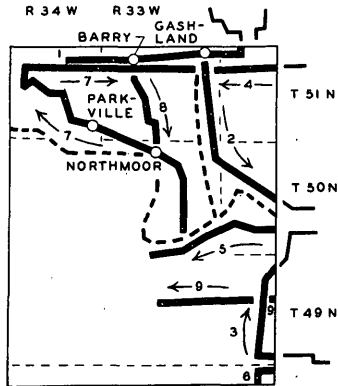
11. FROM SEC. 7, T. 48 N., R. 32 W., SOUTH INTO HARRISONVILLE No. 2 QUADRANGLE AT SEC. 7, T. 48 N., R. 32 W. (by R. F. Gallup in 1933)	
T. 48 N., R. 32 W., on line between secs. 7 and 8, at junction of U.S. Highway 50 and Blue Ridge Boulevard, at SE. corner of bridge, on top of end rail post; chiseled 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.)

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	<u>Feet</u> 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, 4 ft. S. and 4 ft. E. from NW. corner of yard of 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 140 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)

	Feet
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 cross-roads; 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 1935)

	<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"	787.94
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

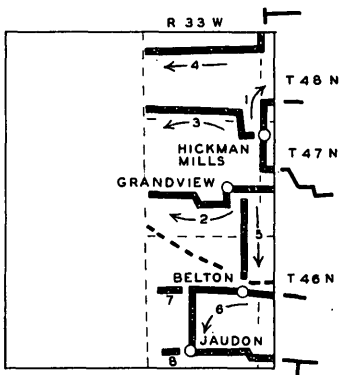
9. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 24, T. 49 N., R. 33 W., WEST THROUGH KANSAS CITY TO KANSAS-MISSOURI STATE LINE (by L. V. Johnson in 1935)
(Continued from Independence No. 3 quadrangle;
see line 10.)

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°45'39"00'; longitude 94°30'94"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.)

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	Feet 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.

Reference mark, 80 ft. S. of tablet, on S. concrete head wall of culvert; chiseled square	<u>Feet</u> 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
Reference mark, on E. end of bottom step of school; chiseled square	982.51
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)

	<u>Feet</u>
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	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
Reference mark, 200 ft. SW. of tablet, in root of 24-in. maple tree; nail	1,098.75
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
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., Rs. 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)

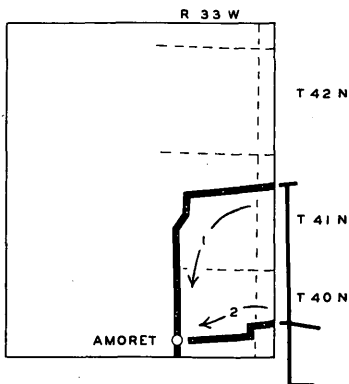
T. 45 N., R. 33 W., about 300 ft. W. of N. quarter cor. sec. 5; W. end of N. concrete head wall of culvert	1,053.46
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For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Holliday, Kans. to Harrisonville, Mo.

SPIRIT LEVELING IN MISSOURI

AMORET QUADRANGLE*
(Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $94^{\circ}30' - 94^{\circ}45'$)

Bates and Cass Counties



1. FROM ADRIAN QUADRANGLE AT SEC. 7, T. 41 N., R. 32 W., WEST TO KANSAS-MISSOURI STATE LINE, THENCE SOUTH INTO HUME QUADRANGLE AT SEC. 30, T. 40 N., R. 33 W. (by H. P. Jones in 1934)**
(Continued from Adrian quadrangle; see line 2.)

	Feet
T. 41 N., Rs. 32 and 33 W., cor. secs. 7, 12, 13, and 18, 18 ft. S. and 24 ft. E. from T-rd. W., 27 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "441 C W A 1934 866"	865.527
T. 41 N., R. 33 W., cor. secs. 11, 12, 13, and 14, 45 ft. N. and 40 ft. E. from crossroads, in SW. corner of yard of Willow Branch School, in root on S. side of 12-in. ash tree; copper nail and washer	882.64
T. 41 N., R. 33 W., cor. secs. 10, 11, 14, and 15, 15 ft. S. and 200 ft. E. from crossroads, in root on W. side of 12-in. elm tree; copper nail and washer	859.91
T. 41 N., R. 33 W., cor. secs. 9, 10, 15, and 16, 28 ft. S. and 20 ft. W. from T-rd. S., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "231 C W A 1934 884"	883.524
T. 41 N., R. 33 W., near cor. secs. 8, 9, 16, and 17, 50 ft. E. of T-rd. S., 115 ft. E. of Kansas City Southern Ry. at rd. crossing, on head wall of concrete culvert; chiseled square	891.20
T. 41 N., R. 33 W., S. sixteenth cor. sec. 17, 26 ft. N. and 18 ft. W. from T-rd. W., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "410 C W A 1934 913"	912.852
T. 41 N., R. 33 W., cor. secs. 16, 17, 20, and 21, 10 ft. N. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	881.54
Amsterdam, at SW. corner of schoolyard, 60 ft. N. and 60 ft. E. from cross streets, in root on W. side of 12-in. box-elder tree; copper nail and washer	888.57
T. 41 N., R. 33 W., quarter cor. between secs. 20 and 29, 10 ft. N. and 20 ft. E. from T-rd. N., on head wall of concrete culvert; chiseled square	876.78
T. 41 N., R. 33 W., W. cor. secs. 19 and 30, 25 ft. N. and 126 ft. E. from Kans.-Mo. State line rd. at rd. E., 2 ft. N. and 3 ft. W. from telephone pole, in concrete post; standard tablet stamped "316 C W A 1934 896"	895.903
T. 41 N., R. 33 W., 600 ft. S. of W. cor. secs. 30 and 31, on E. head wall of concrete culvert; chiseled square	869.18
Tps. 40 and 41 N., R. 33 W., W. cor. secs. 6 and 31, 20 ft. S. and 10 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	887.34
T. 40 N., R. 33 W., near SW. cor. sec. 6, 35 ft. N. and 18 ft. E. from Kans.-Mo. State line rd. at rd. W., 2 ft. E. of fence, in concrete post; standard tablet stamped "301 C W A 1934 875"	874.977
T. 40 N., R. 33 W., W. cor. secs. 7 and 18, 115 ft. S. and 10 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square	834.65
T. 40 N., R. 33 W., about 0.2 mi. N. of W. cor. secs. 18 and 19, 10 ft. N. and 12 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	824.76
T. 40 N., R. 33 W., in S 1/2 sec. 19, 60 ft. N. and 29 ft. E. from State Highway 52 at intersection of Kans.-Mo. State line rd., 3 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "315 C W A 1934 825"	824.078
T. 40 N., R. 33 W., about 1,000 ft. N. of W. cor. secs. 30 and 31, 10 ft. S. and 15 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	826.40

(Continued in Hume quadrangle; see line 1.)

*A small portion of this quadrangle lies in Kansas.

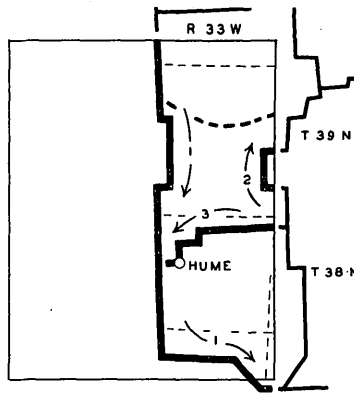
**Elevations on this line supersede those published in Bull. 889, pp. 41-43.

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.)

	Feet
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 PORT 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.)

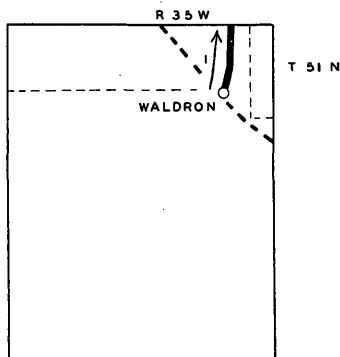
3. FROM BUTLER NO. 3 QUADRANGLE WEST ALONG COUNTY ROUTE A TO
KANSAS-MISSOURI STATE LINE (by B. A. Barnes in 1934)
(Continued from Butler No. 3 quadrangle; see line 6.)

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 Monticeth 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"

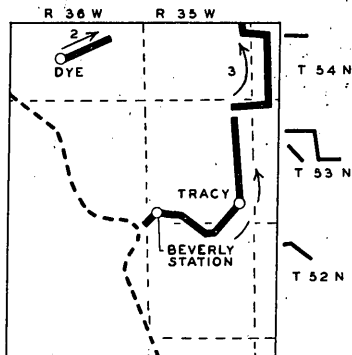
922.578

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	885.19
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.