

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

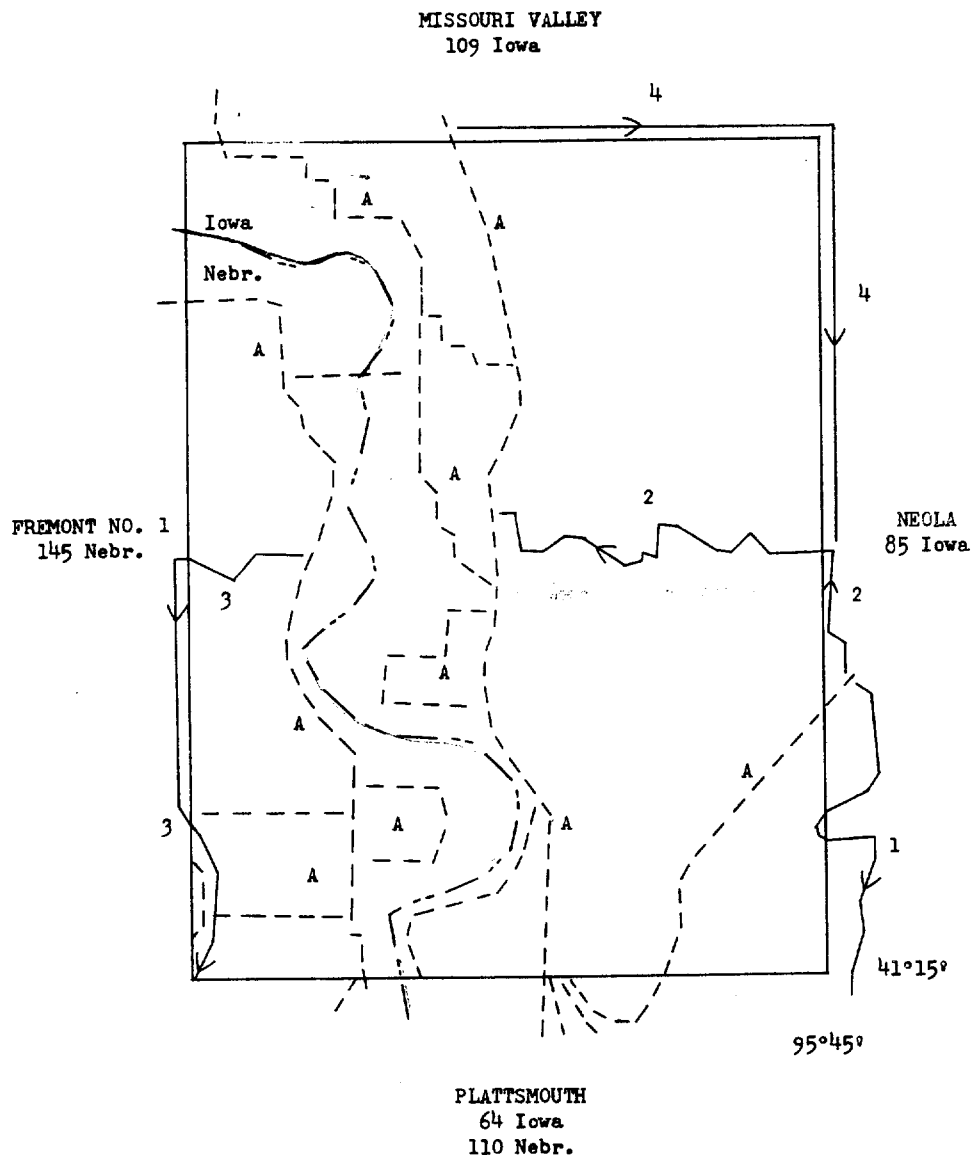
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HONEY CREEK QUADRANGLE
86 - Iowa, 144 - Nebraska
N4115-W9545/15
Diagram NK 15-7
Omaha, Nebr.-Iowa

Pottawattamie County, Iowa
Douglas County, Nebraska

Typed 7/26/66

PR: EBF/MP/ct



USC&GS LEVELING

A. No. 410953

86 C

HONEY CREEK QUADRANGLE
86 - Iowa, 144 - Nebraska

	<u>LINE 1</u>	<u>Feet</u>
GENERALLY SOUTH ALONG SOUTH PORTION OF EAST BORDER (by R. E. Carey, 1955, Book CV-676)		
<u>HONEY CREEK QUAD. 86 - 144</u>		
0.0	Weston, 0.8 mi SW. along the Chicago, Rock Island and Pacific RR. from the station at, at large steel bridge 489.1 over a large stream, in top of the NW. wing wall of the SW. concrete abutment, 1.5 ft NE. of the SW. end of the wing wall, 9.6 ft NW. of the NW. rail and 1 ft lower than rail; a US&GS standard disk stamped "L 135 1948" (Recovered in good condition 4/14/55)	1037.239
0.4	T. 75 N., R. 43 W., near quarter cor. between secs. 1 and 2, center of bridge; nail and washer	1039.7
<u>NEOLA QUAD. 85</u>		
1.1	T. 75 N., R. 43 W., near E. central sixteenth cor. sec. 1, center of rd., at T-rd. S.	1174.7
1.5	T. 75 N., R. 43 W., in the SE $\frac{1}{4}$ sec. 1, center of bridge; copper nail and washer 1 ft above water level 4/14/55	1090.6
1.8	T. 75 N., R. 43 W., in NE $\frac{1}{4}$ sec. 12, center of bridge; copper nail and washer, 14 ft above water level 4/15/55	1123.9
2.1	T. 75 N., R. 43 W., near E. central sixteenth sec. 12, center of bridge, copper nail and washer, 11.9 ft above water level 4/15/55	1120.6
2.2	Weston, 2.0 mi S. and 0.5 mi E. of, in the SE $\frac{1}{4}$ sec. 12, T. 75 N., R. 43 W., 900 ft N. and 38 ft W. of T-rd. N., 790 ft S. of bridge, 1 ft E. of fence line at crown of ridge and 3 ft higher than center of rd., in concrete post; standard tablet stamped "26 RC 1955 1185"	1185.310
2.4	T. 75 N., R. 43 W., in SE. cor. sec. 12, center of rd. at T-rd. N.	1235.3
3.0	T. 75 N., R. 43 W., in N. central portion of sec. 13, center of RR. at drain; nail and washer in cross tie	1168.3
3.7	T. 75 N., R. 43 W., in the E. central portion of sec. 14, center of RR. in line with fence W., nail and washer in cross tie	1149.7
<u>HONEY CREEK QUAD. 86 - 144</u>		
4.3	Reference mark, 143 ft SE. of tablet at center of RR. crossing, on bolt head inside, painted square	1137.01
4.3	Weston, 3.0 mi S. and 1.0 mi W. of, in the SW. cor. sec. 14, T. 75 N., R. 43 W., about 0.35 mi NW. along rd. from Gilliat Schoolhouse, 143 ft NW. of center of rd. at Chicago Great Western RR. crossing, 45 ft E. of center dirt rd. leading NW., 3 ft E. of fence cor. and at SW. end of cut bank, in concrete post; standard tablet stamped "27 RC 1955 1145"	1145.176
4.5	T. 75 N., R. 43 W., probably near quarter cor. between secs. 14 and 23; center of bridge; copper nail and washer, 27.8 ft above water level 4/15/55	1072.2
<u>NEOLA QUAD. 85</u>		
5.1	T. 75 N., R. 43 W., near cor. secs. 13, 14, 23 and 24; near center of rd. cor. at drain	1125.4
5.5	T. 75 N., R. 43 W., about 0.1 mi, W $\frac{1}{4}$ cor. between secs. 13 and 24; center of bridge; copper nail and washer, 29.5 ft above water level 4/15/55	1116.4

LINE 1 (Cont'd)

Feet

NEOLA QUAD. 85

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|-----|---|----------|
| 5.9 | T. 75 N., R. 43 W., near E. sixteenth cor. between secs. 13 and 24; center of rd. at T-rd. S. | 1238.3 |
| 6.4 | T. 75 N., R. 43 W., near E. central sixteenth cor. sec. 24; center of rd. at E.-W. fenceline | 1189.0 |
| 7.0 | Center of crossroads, 185 ft N. and 28 ft E. of "28 RC" | 1239.3 |
| 7.0 | Reference mark, about 90 ft SW. of tablet, 125 ft S. and 25 ft E. of crossroads, in root on N. side of a 12 in. walnut tree; copper nail and washer | 1247.25 |
| 7.0 | Weston, 4.25 mi S. and 0.5 mi E. of, 3.0 mi N. and 6.25 mi W. of Treynor, 185 ft S. and 28 ft W. of crossroads, which are near the E. sixteenth cor. between secs. 24 and 25, T. 75 N., R. 43 W., 387 ft N. and 28 ft W. of the center of Hwys. 6 and 92 at rd. N., 1 ft E. of fenceline, in concrete post; standard tablet stamped "28 RC 1955 1246" | 1245.770 |
| 7.0 | Center of Hwys. 6 and 92; at T-rd. N., 385 ft S. and 28 ft E. of "28 RC" | 1255.6 |
| 7.3 | T. 75 N., R. 43 W., in N. central portion of sec. 25, center of Hwys. 6 and 92, at T-rd. S. | 1254.1 |
| 8.1 | T. 75 N., R. 43 W., in S. central portion of sec. 25, center of crossroads | 1233.5 |

LINE 2

NORTH ALONG EAST BORDER, THENCE WEST TO NEAR CENTER OF QUAD. (By R. E. Carey, 1955, Book CV-676)

NEOLA QUAD. 85

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|-----|---|----------|
| 0.0 | At Weston, on the Chicago, Rock Island & Pacific RR., 23.8 ft NE. of the station sign, 21 rails NE. of the SW. end of a siding and the point where the RR. curve begins, 12 rails NE. of a point on the RR. opposite the junction of State Hwy. 64 and a tar rd. leading N., near the middle of a long curve, on the outside of the curve, 21.2 ft NW. of the NW. rail, 19 ft SE. of the extension to the NE. from the SW. line of the SE. rail, and 9.4 ft NE. of the extension to the SE. of the line of the NE. face of the white frame house of Matt Luckiesh. A USGS standard cap stamped "1037.025" and riveted on top of a 3.5 in. iron pipe projecting 0.1 ft above ground. (Recovered in good condition 4/21/55) | 1037.350 |
| 0.4 | T. 76 N., R. 43 W., near W. central sixteenth cor. sec. 36, center of rd. at private drive W. | 1067.8 |
| 0.9 | T. 76 N., R. 43 W., near cor. secs. 25, 26, 35 and 36, center of rd. at T-rd. N. | 1111.9 |
| 1.4 | T. 76 N., R. 43 W., near quarter cor. between secs. 25 and 26; center of rd. at private drive W. | 1135.7 |
| 2.1 | Weston, 2.0 mi N. and 0.25 mi W. of, about 0.2 mi N. of cor. secs. 23, 24, 25 and 26, T. 76 N., R. 43 W., 405 ft S. of center of bridge, 10 ft S. and 35 ft W. of rd. at a field drive W., 5 ft S. and 1 ft E. of T-fence W., in concrete post; standard tablet stamped "29 RC 1955 1092" | 1092.091 |
| 2.1 | Reference mark, 360 ft N. of tablet, at SE. cor. of bridge in E. end of piling cap 2 ft lower than floor of bridge; copper nail and washer, 24.3 ft above water level 4/22/55 | 1082.28 |
| 2.5 | T. 76 N., R. 43 W., near quarter cor. between secs. 23 and 24, center of rd. at T-fence E. | 1147.4 |

4
HONEY CREEK QUADRANGLE
86 - Iowa, 144 - Nebraska

LINE 2 (Cont'd)

	<u>HONEY CREEK QUAD. 86 - 144</u>	<u>Feet</u>
3.0	Center of crossroads, 130 ft S. and 90 ft E. of "UE 1102.2"	1102.4
3.0	T. 76 N., R. 43 W., near cor. secs. 13, 14, 23 and 24, 130 ft N. and 90 ft W. of crossroads, on E. edge of concrete base of well pump in schoolyard; chiseled square	1102.14
3.5	T. 76 N., R. 43 W., near quarter cor. between secs. 14 and 23; center of crossroads	1227.5
4.0	T. 76 N., R. 43 W., near cor. secs. 14, 15, 22 and 23; center of rd. at drain	1236.6
4.3	Center of rd. at E. end of curve and in line with T-fence S., 165 ft S. and 365 ft E. of "30 RC"	1290.9
4.3	Reference mark, about 135 ft SE. of tablet, 49 ft N. of rd. W., in root on NW. side of a 24 in. cottonwood tree; copper nail and washer	1287.38
4.3	Weston, 3.75 mi N. and 1.5 mi W. of, 190 ft N. and 371 ft W. of E. end of curve at T-fence S., which is near W. sixteenth cor. between secs. 15 and 22, T. 76 N., R. 43 W., 30 ft S. of Co. Rd. "K" and on outside of long curve, in concrete post; standard tablet stamped "30 RC 1955 1288" Note: Marker RESET by Co. Engineer 7/66	1287.069
4.7	T. 76 N., R. 43 W., in SW $\frac{1}{4}$ sec. 15, center Co. Rd. "K" at T-rd. W.	1288.6
5.2	Picture Point "A", Flt. 1, Photo 5-132, Rd. at low place	1253.2
5.4	T. 76 N., R. 43 W., about 0.1 mi E. of cor. secs. 15, 16, 21 and 22; center of rd. at T-rd. W.	1285.2
5.7	T. 76 N., R. 43 W., near E. sixteenth cor. between secs. 16 and 21, center of bridge; copper nail and washer, 38.6 ft above water level 4/22/55	1182.1
6.0	T. 76 N., R. 43 W., in NE $\frac{1}{4}$ sec. 16, center of rd. at T-rd. W.	1276.8
6.3	T. 76 N., R. 43 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, center of rd. at fence S.	1240.8
6.6	T. 76 N., R. 43 W., in SW $\frac{1}{4}$ sec. 16, E.-W. rd. at crest	1242.5
6.7	Rd. cor. N.-E., 445 ft S. of "31 RC"	1172.5
6.9	Reference mark, about 85 ft NE. of tablet, at NE. cor. of bridge, in E. end of piling cap, 1.7 ft lower than floor of bridge; copper nail and washer, 9.9 ft above water level 4/25/55	1128.69
6.9	Weston, 3.25 mi N. and 3.25 mi W. of, 1.5 mi N. and 3.0 mi E. of Crescent City, 865 ft S. of rd. cor. S.-W., which is near quarter cor. between secs. 16 and 17, T. 76 N., R. 43 W., 445 ft N. of rd. cor. N.-E., 230 ft S. and 21 ft W. of private drive W., 26 ft S. and 21 ft W. of S. end of bridge; 1 ft E. of fence line, in concrete post; standard tablet stamped "31 RC 1955 1131"	1131.076
7.0	Rd. cor. S.-W., near quarter cor. between secs. 16 and 17, T. 76 N., R. 43 W.	1179.6
7.1	T. 76 N., R. 43 W., 0.15 mi W. of quarter cor. between secs. 16 and 17, E.-W. rd. at drive N.	1206.9
7.7	T. 76 N., R. 43 W., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, center of rd. at T-rd. E.	1106.7
8.2	T. 76 N., R. 43 W., about 0.1 mi E., quarter cor. between secs. 17 and 20, center of rd. at T-rd. W.	1095.7
8.8	T. 76 N., R. 43 W., near cor. secs. 17, 18, 19 and 20, center of rd. at T-rd. E.	1241.5

LINE 2 (Cont'd)

Feet

HONEY CREEK QUAD. 86 - 144

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| 9.0 | Center of E.-W. rd. at T-rd. N., near N. sixteenth cor. between secs. 19 and 20, T. 76 N., R. 43 W. | 1268.5 |
| 9.2 | Reference mark, about 90 ft NE. of tablet, 15 ft N. and 9 ft E. of T-rd. S., on E. end of side drain pipe; painted square | 1236.56 |
| 9.2 | Crescent City, 0.75 mi N. and 1.75 mi E. of, in NE $\frac{1}{4}$ sec. 19, T. 76 N., R. 43 W., 25 ft S. and 130 ft E. of a private drive N., 25 ft S. and 70 ft W. of T-rd. S., 1 ft N. of fence line, in concrete post; standard tablet stamped "32 RC 1955 1234" | 1233.586 |
| 9.7 | T. 76 N., R. 43 W., near quarter cor. between secs. 18 and 19, center of rd. at N.-S. fenceline | 1258.7 |
| 10.0 | T. 76 N., R. 43 W., near W. sixteenth cor. between secs. 18 and 19, near center of curve at rd. S. | 1236.3 |
| 10.4 | T. 76 N., Rs. 43 and 44 W., near S. sixteenth cor. between secs. 13 and 18, center of rd. at fence N. | 1095.8 |
| 10.8 | T. 76 N., R. 44 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, center of Hwy. 75 at rd. SE. | 1024.1 |
| 11.5 | Reference mark, 224 ft N. and 65 ft E. of tablet, 60 ft N. and 18 ft E. of T-rd. W., near center of E. concrete headwall of culvert; chiseled square | 999.28 |
| 11.5 | Crescent City, 0.75 mi N. of, along U.S. Hwys. 75 and 30, 164 ft S., 47 ft W. and 2.1 ft lower than center of Hwys. at T-rd. W., which is near cor. secs. 13, 14, 23 and 24, T. 76 N., R. 44 W., 4 ft S. and 4 ft W. of a powerline pole, 1 ft E. of fenceline, in concrete post; standard tablet stamped "33 RC 1955 997" 996.936 | 996.936 |
| 12.2 | T. 76 N., R. 44 W., near S. sixteenth cor. between secs. 23 and 24, center of Hwys. 75 and 30, at T-rd. W. | 1009.2 |
| 12.8 | T. 76 N., R. 44 W., in SW $\frac{1}{4}$ sec. 23, center of bridge over canal, 28.8 ft above water level 4/26/55 | 1001.7 |
| 13.4 | T. 76 N., R. 44 W., in SE $\frac{1}{4}$ sec. 22, center of rd. at T-rd. E. | 987.5 |
| 13.8 | Crescent, 0.1 mi N. along U.S. Hwy. 75 from the Post Office at, thence 1.2 mi W. along a dirt rd., thence 0.4 mi NW. along a dirt rd., about 0.2 mi SE. of white farmhouse, on outside of curve with tangents leading W.-SE., 35 ft NE. of center of rd., 3 ft NW. of NW. gate post at SW. cor. of cultivated field, 2 ft SW. of fence, 1.2 ft SE. of reference post, set in top of concrete post projecting 0.5 ft above the ground, a USC&GS standard disk stamped "P 138 1948" (Recovered in good condition 4/26/55) | 985.254 |

LINE 3

NEAR CENTER WEST BORDER, THENCE SOUTH ALONG WEST BORDER (By R. E. Carey, 1955, Book CV-676)

HONEY CREEK QUAD. 86 - 144

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| 0.0 | From the Douglas County Courthouse at Omaha, go 1 block W. along Farnam St. to 19th St., thence 4.9 mi N. along 19th St. (changes to Florence Blvd. a few blocks N. of Farnam St.), thence 4.0 mi N. along John J. Pershing Dr. (also known as River Dr.), thence about 65 yards NE. along graveled rd. to site of mark. Mark is 59 ft W. of W. cor. of house, 26 ft SE. of and 1 ft higher than center of rd., 25 ft NW. of 20 in. box elder tree, 18 ft SW. of telephone pole, 2 ft SW. of 4 x 4 marker post and 1 ft NW. of fence. Bronze disk set in top of concrete post and projects 4 in. above surface of ground. A USC&GS standard disk stamped "B 253 1947" (Recovered in good condition 4/27/55) | 1008.531 |
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LINE 3 (Cont'd)

Feet

HONEY CREEK QUAD. 86 - 144

0.2	T. 16 N., R. 13 E., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, center of rd. at rd. forks N.-W.	1013.0
0.8	T. 16 N., R. 13 E., about 0.2 mi S. cor. secs. 4, 5, 8 and 9, center of cross-roads	1029.6
1.4	Center of rd. at T-rd. NW., 53 ft W. of USGS "1040 1917"	1042.9
1.4	Hummel Park, 1.38 mi W. along rd. from NE. cor. of and junction with River Drive Rd., 0.6 mi NE. along a rd. from Hwy. 73, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 16 N., R. 13 E., 53 ft E. of T-rd. NE., 75 ft N. of NE. cor. of Ponca Schoolhouse, at NE. cor. of schoolyard, iron post with USGS cap stamped "1040 1917"	1039.716
2.0	T. 16 N., R. 13 E., near S. sixteenth cor. between secs. 7 and 8, center of Hwy. 73 at T-rd. NE.	1069.8
2.2	Picture Point "B", Flt. 1, Photo 5-122. Rd. forks	1112.3
3.0	T. 16 N., R. 13 E., in NW $\frac{1}{4}$ sec. 7, center of Hwy. 73 at T-rd. W.	1153.2

FREMONT NO. 1 QUAD. 145

3.4	Center of rd. at T-rd. S., 26 ft N. and 485 ft E. of "34 RC" and about 0.2 mi S. of cor. secs. 1, 6, 7 and 12, T. 16 N., Rs. 12 and 13 E.	1288.6
3.5	Reference mark, about 220 ft E. of tablet, 21 ft S. of center of rd., in root on N. side 24 in. cottonwood tree; copper nail and washer	1304.40
3.5	Omaha, 5.5 mi N. of, along 60th St. from its junction with Ames Ave., 1.67 mi N. along 60th St. from its junction with State Hwy. 36 (McKinley St.), 26 ft S. and 485 ft W. of T-rd. S., which is about 0.2 mi S. of cor. secs. 1, 6, 7 and 12, T. 16 N., Rs. 12 and 13 E., 26 ft S. and 90 ft W. of center of rd. at drive N. to Bluff View Nursery; 26 ft S. and 39 ft E. of rd. at field line S., 1 ft N. of fenceline; in concrete post; standard tablet stamped "34 RC 1955 1304"	1304.289
4.0	T. 16 N., Rs. 12 and 13 E., about 1500 ft N. of cor. secs. 7, 12, 13 and 18, center of rd. at drain	1204.8
4.4	T. 16 N., Rs. 12 and 13 E., about 0.1 mi S. of cor. secs. 7, 12, 13 and 18, center of steel bridge; copper nail and washer, 27.2 ft above water level 4/28/55	1128.8
5.1	T. 16 N., Rs. 12 and 13 E., about 0.17 mi N. of cor. secs. 13, 18, 19 and 24; center of Hwy. 36 (McKinley St.) at crossroads (60th St.)	1129.6
5.3	Center of N.-S. rd. at T-rd. W., near cor. secs. 13, 18, 19 and 24; T. 16 N., Rs. 12 and 13 E.	1179.1
5.6	T. 16 N., Rs. 12 and 13 E., about 0.2 mi N. of quarter cor. between secs. 19 and 24; center of N.-S. rd. (60th St.) at rd. SW. (Garvia St.)	1108.7
5.8	Omaha, 3.15 mi N. of, along 60th St. from its junction with Ames Ave., 0.68 mi S. along 60th St. from its junction with State Hwy. 36 (McKinley St.), 116 ft N. and 21 ft W. of rd. at E.-W. fenceline which is near quarter cor. between secs. 19 and 24, T. 16 N., Rs. 12 and 13 E., 10 ft S. of private drive W., 3 ft S. and 1 ft W. of telephone pole; in concrete post; standard tablet stamped "35 RC 1955 1133"	1133.524
5.8	Center of rd. at E.-W. fenceline; 116 ft S. and 21 ft E. of "35 RC"	1143.7
6.4	T. 16 N., Rs. 12 and 13 E., near cor. secs. 19, 24, 25 and 30, 75 ft E. of N.-S. rd., in line with T-rd. W., in root on SW. side 10 in. elm tree; copper nail and washer	1242.2

LINE 3 (Cont'd)

Feet

FREMONT NO. 1 QUAD. 145

- 6.9 T. 16 N., Rs. 12 and 13 E., near quarter cor. between secs. 25 and 30, center of rd. at a short street E. 1254.3
- 7.4 T. 16 N., Rs. 12 and 13 E., near cor. secs. 25, 30, 31 and 36; center of RR. overpass; copper nail and washer 1249.6
- 7.6 T. 16 N., Rs. 12 and 13 E., about 0.2 mi N. of quarter cor. between secs. 31 and 36, center of crossroads 1188.5
- 8.2 Omaha, 0.75 mi N. of, along 60th St., from its junction with Ames Ave., near S. sixteenth cor. between secs. 31 and 36, T. 16 N., Rs. 12 and 13 E., 26 ft S., 38 ft E. and 1.7 ft higher than crossroads (60th St. and Hartman Ave.), an iron pipe projecting about 2 ft above ground with USGS cap stamped "STA NO 20 1917 1251" 1251.344

HONEY CREEK QUAD. 86 - 144

- 8.7 T. 15 N., Rs. 12 and 13 E., near N. sixteenth cor. between secs. 1 and 6, center of crossroads 1209.8
- 9.0 Center of intersection of Ames and 60th Sts., 37 ft S. and about 560 ft E. of "D 254" 1152.8
- 9.0 Omaha, near intersection of Ames and 61st Sts., 82 ft E. of center of 61st St., 25.6 ft N. of N. edge of concrete border of brick paved Ames St., 23.6 ft SSE. of SE. cor. of concrete block foundation for Bensonvale Chapel Church, 16.8 ft E. of E. edge of concrete walk leading to church entrance, 5 ft W. of junction of lines on top of 1 ft square reference block which is set flush with ground and which has a line pointing toward the bench mark and USBM 5 stenciled on top, set in top of concrete post 0.3 ft underground. A USC&GS standard disk stamped "D 254 1947" (~~Recovered in good condition 4/29/55~~) 1152.757

LINE 4

EAST ALONG NORTH BORDER, THENCE SOUTH ALONG EAST BORDER (By R. E. Carey, 1955, Book CV-676)

MISSOURI VALLEY QUAD. 109

- 0.0 At Loveland, 0.3 mi NW. along the Chicago & Northwestern RR. from the station sign, set vertically in the NE. face of the SW. abutment of the Illinois Central RR. overpass; near the bottom of the third layer of stone, 23.3 ft SE. of the N. cor. of the NW. end of the abutment, 8.4 ft SW. of SW. rail of the SW. track, 2.9 ft above ground level; a USC&GS standard disk stamped "C 140 1948" (Recovered in good condition 5/26/55) 1005.415
- 1.0 Center of small bridge; copper nail and washer 1080.3
- 1.9 Reference mark, about 270 ft NW. of tablet, 57 ft E. of center of rd., in root on SE. side of 12 in. oak tree; copper nail and washer 1276.23
- 1.9 Loveland, 0.5 mi N. and 1.5 mi E. of, about 0.1 mi E. of N $\frac{1}{4}$ cor. sec. 2, Tps. 77 and 78 N., R. 44 W., on the Pottawattamie-Harrison County line, 171 ft SE., thence 22 ft E. of center of rd. at old rd. W. and T-fence E., 1 ft W. of fence line, in concrete post; standard tablet stamped "59 RC 1955 1276" 1275.934
- 2.3 Tps. 77 and 78 N., R. 44 W., near N. cor. secs. 1 and 2, 25 ft W. of T-fence N., in root on NW. side of 10 in. elm tree; copper nail and washer 1268.67

HONEY CREEK QUADRANGLE
86 - Iowa, 144 - Nebraska

LINE 4 (Cont'd)

MISSOURI VALLEY QUAD. 109

Feet

- 3.8 Loveland, 0.5 mi N. and 3.5 mi E. of, 24 ft N. and 308 ft W. of T-rd. S. which is near $N\frac{1}{4}$ cor. sec. 6, Tps. 77 and 78 N., R. 43 W., 24 ft N. and 157 ft W. of the center of W. end of small bridge, 1 ft S. and 2 ft E. of cor. fence post at SE. cor. of barn yard, in concrete post; a standard tablet stamped "60 RC 1955 1147" (Reported destroyed 10/65, CTW) 1146.483
- 3.8 Reference mark, 14 ft S. and 157 ft E. of tablet, at NW. end of small bridge, in wooden foundation 0.2 ft lower than floor of bridge; copper nail and washer 1144.18
- 5.3 Tps. 77 and 78 N., R. 43 W., near N. cor. secs. 4 and 5, in NW. cor. of floor of bridge over drainage ditch; copper nail and washer 1104.0
- 6.1 Loveland, 0.5 mi N. and 5.7 mi E. of, about 0.15 mi E. of $N\frac{1}{4}$ cor. sec. 4, Tps. 77 and 78 N., R. 43 W., 27 ft S. and 30 ft E. of rd. at T-fence S. and 1 ft N. and 30 ft E. of cor. fence post of T-fence S., on top of 17.5 ft cut bank, in concrete post; USC&GS standard and State tablet stamped "Sta. 147" (Elev. by USGS) (Reported not found 10/65, CTW) 1195.073
- 6.7 Tps. 77 and 78 N., R. 43 W., 0.25 mi E. of N. cor. secs. 3 and 4, center of bridge, nail and washer 1157.8
- 8.1 Tps. 77 and 78 N., R. 43 W., near $N\frac{1}{4}$ cor. sec. 2, center of bridge; nail and washer 1208.7

PERSIA QUAD. 108

- 8.6 Loveland, 0.5 mi N. and 8.0 mi E. of, on the Pottawattamie-Harrison County line, 40 ft S. and 252 ft W. of T-rd. S. which is near N. cor. secs. 1 and 2, Tps. 77 and 78 N., R. 43 W., 40 ft S. and 242 ft E. of NW. end of curve on County Rd. E., near W. end of triangle formed by curve and rd. forks, 3 ft N. of power pole, in concrete post; standard tablet stamped "61 RC 1955 1258" 1257.590

NEOLA QUAD. 85

- 9.6 T. 77 N., R. 43 W., near cor. secs. 1, 2, 11 and 12, center of crossroads (junction County Rd. "K" and "E") 1163.7
- 10.2 T. 77 N., R. 43 W., near quarter cor. between secs. 11 and 12, center of rd. at T-fence E. 1195.7
- 10.4 Center of rd. at T-rd. E., about 0.2 mi S. of quarter cor. between secs. 11 and 12, T. 77 N., R. 43 W. 1199.3
- 10.7 T. 77 N., R. 43 W., near cor. secs. 11, 12, 13 and 14, center of rd. at private drive W. 1149.4
- 11.1 T. 77 N., R. 43 W., about 0.15 mi N. of quarter cor. between secs. 13 and 14, center of bridge; copper nail and washer (27.2 ft above water level 6/2/55) 1084.0
- 11.8 Center of rd. at drive W. to schoolhouse, 33 ft N. and 35 ft E. of "62 RC" 1144.5
- 11.8 Loveland, 2.5 mi S. and 8.0 mi E. of, 1.0 mi N. and 6.5 mi W. of Neola, 400 ft N. and 35 ft W. of crossroads, which are near cor. secs. 13, 14, 23 and 24, T. 77 N., R. 43 W., 33 ft S. and 35 ft W. of drive W. to schoolhouse, 8 ft S. of fence cor., 2 ft N. and 1.5 ft W. of telephone pole, in concrete post; standard tablet stamped "62 RC 1955 1149" 1149.115
- 11.9 Center of crossroads, 400 ft S. and 35 ft E. of "62 RC" and near cor. secs. 13, 14, 23 and 24; T. 77 N., R. 43 W. 1130.9
- 12.4 T. 77 N., R. 43 W., near quarter cor. between secs. 23 and 24; center of rd. at private rd. W. 1095.6

<u>LINE 4 (Cont'd)</u>	<u>NEOLA QUAD. 85</u>	<u>Feet</u>
12.8 T. 77 N., R. 43 W., near cor. secs. 23, 24, 25 and 26; center of rd. at T-rd. E. (junction County Rds. "K" and "S")		1045.9
13.4 T. 77 N., R. 43 W., near quarter cor. between secs. 25 and 26, center of rd. at E.-W. fence line		1122.6
13.9 T. 77 N., R. 43 W., near cor. secs. 25, 26, 35 and 36, center of crossroads		1192.8
14.4 Center of rd. at E.-W. fenceline, 121 ft N. and 31 ft W. of "63 RC"		1201.5
14.5 Reference mark, 98 ft S. and 31 ft E. of tablet, 10 ft S. of windmill, on W. edge of concrete manhole; chiseled square		1206.92
14.5 Neola, 1.5 mi S. and 6.5 mi W. of, 2.5 mi N. and 3.5 mi W. of Underwood, 121 ft S. and 31 ft E. of rd. at E.-W. fenceline which is near quarter cor. between secs. 35 and 36, T. 77 N., R. 43 W., 88 ft N. and 31 ft W. of well at windmill, 1 ft W. of fenceline, in concrete post; standard tablet stamped "63 RC 1955 1206"		1205.640
15.0 Tps. 76 and 77 N., R. 43 W., near cor. secs. 1, 2, 35 and 36, center of rd. at E.-W. fenceline		1210.2
15.4 T. 76 N., R. 43 W., near quarter cor. between secs. 1 and 2, center of rd. at T-rd. E.		1233.1
16.0 T. 76 N., R. 43 W., near cor. secs. 1, 2, 11 and 12, center of rd. at T-rd. W.		1220.8
16.5 T. 76 N., R. 43 W., near quarter cor. between secs. 11 and 12, center of rd. at tree row W.		1131.1
16.5 Underwood, 0.5 mi N. and 3.5 mi W. of, 735 ft N. and 33 ft E. of crossroads which are near cor. secs. 11, 12, 13 and 14, T. 76 N., R. 43 W., at S. end of a cut, 1 ft W. of fenceline, in concrete post; standard tablet stamped "64 RC 1955 1161"		1160.624
17.0 Center of crossroads, 7.5 ft S. and 33 ft W. of "64 RC" and near cor. secs. 11, 12, 13 and 14, T. 76 N., R. 43 W.		1152.8
17.5 T. 76 N., R. 43 W., near quarter cor. between secs. 13 and 14, at crown of hill, center of rd. at T-fence E.		1157.3
18.0 Chiseled square on E. edge of concrete base well pump in schoolyard		1102.14

LINE 5

ISOLATED BENCH MARKS (By H. S. Senseney and S. R. Archer, 1917 and 1918, Books B68-69)

HONEY CREEK QUAD. 86 - 144

USCE BM 123-1 cap on pipe (Bull. 572, p. 51)	1007.3
Omaha, 55 ft N. and 45 ft W. of intersection of N. 30th and Fort Streets near SE. gate of Fort Omaha Reservation; iron post stamped "Prim Trav Sta No 19 1052"	1052.2
Old Rockport, 260 ft NW. of bridge and rd. fork; iron post stamped (?) "Prim Trav Sta No 14" (MRC PEM 124/1) (Elevation by USGS)	1016.7
T. 17 N., R. 13 E., at S $\frac{1}{2}$ cor. of NW $\frac{1}{4}$ sec. 21, T-rd. S., 25 ft N. and 40 ft W. of center of rds. at N. fenceline; iron post stamped "990 1917"	990.1
T. 17 N., R. 13 E., 35 ft N. and 25 ft W. of cor. secs. 7, 8, 17 and 18, at crossroads, iron post stamped "993 1917 Prim Trav Sta No 10"	992.7

10
HONEY CREEK QUADRANGLE
86 - Iowa, 144 - Nebraska

LINE 5 (Cont'd)

Feet

HONEY CREEK QUAD. 86 - 144

T. 17 N., R. 13 E., near $W\frac{1}{4}$ cor. sec. 29, NE. cor. of crossroads; iron post stamped "Prim Trav Sta No 11 1917 1116"	1115.4
T. 16 N., R. 13 E., near $E\frac{1}{4}$ cor. of $NW\frac{1}{4}$ sec. 8, 70 ft E. of line with center of T-rd. NW., on S. side of rd., at NE. cor. of schoolyard; iron post stamped "1040 1917"	1039.716