

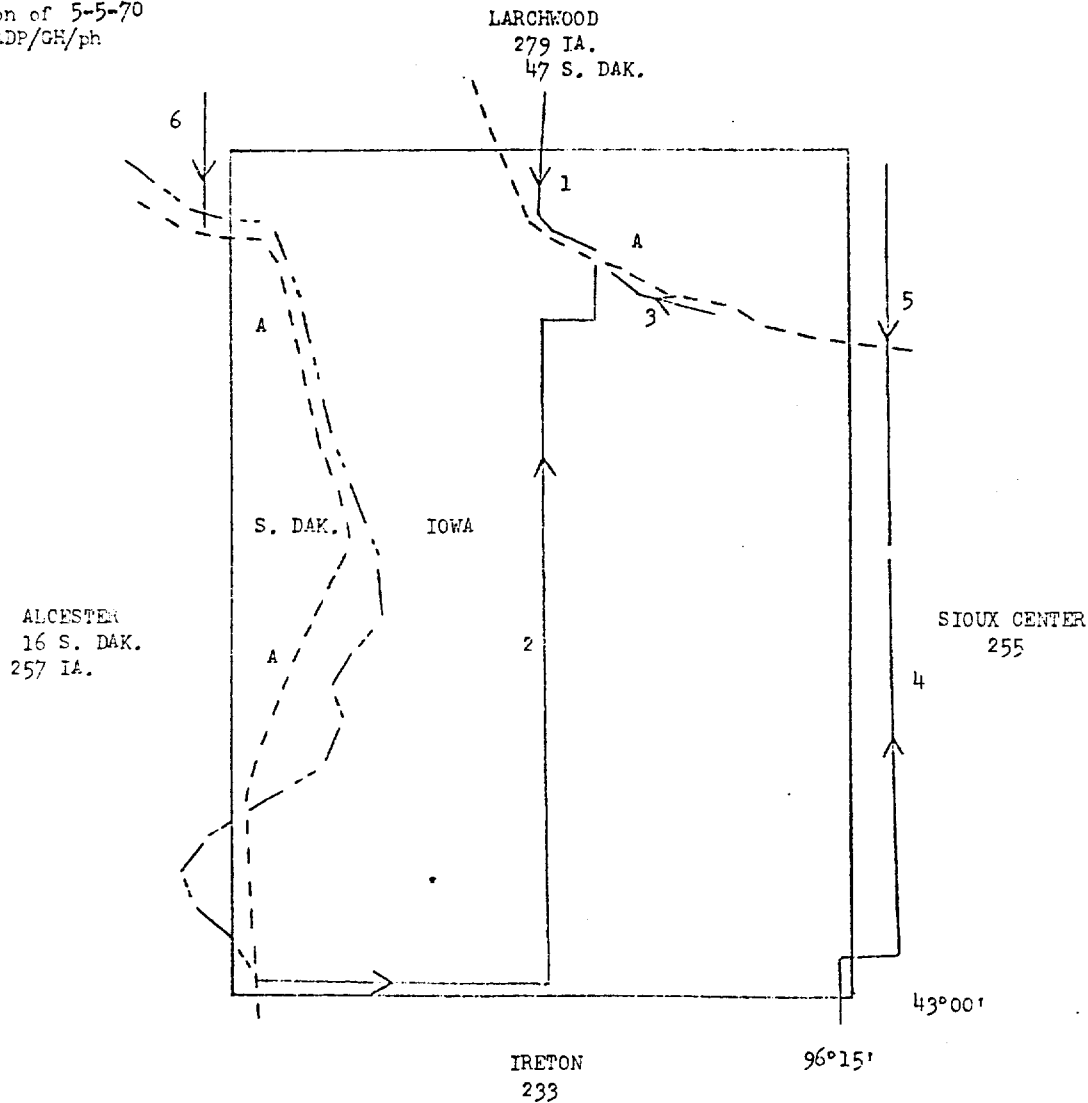
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929
Final Adjustment of 1967
Sioux County

HUDSON QUADRANGLE
256 IOWA - 15 SOUTH DAKOTA
N4300-W9615/15
DIAGRAM NK 14-3
SIOUX FALLS

Edition of 5-5-70
PR: ADP/GH/ph



USC&GS VERTICAL CONTROL DATA

A. Quadrangle No. 430062

256A

2
HUDSON QUADRANGLE
256 IOWA - 15 SOUTH DAKOTA

LINE 1

FEET

J. W. Geurin. 1969; Book CV-2404

LARCHWOOD QUAD. - 279 IA., 47 S. DAK.

- 2 24 17.3 UE 23 A; T. 98 N., R. 47 W., at the cor. of secs. 26, 27, 34 and 35; 36 ft W. and 27 ft S. of center crossroad, a rail spike in N. side of power pole 1402.810
- 25 18.4 UE 23 B; T. 98 N., R. 47 W., at cor. of secs. 2, 3, 34 and 35; 27 ft E. and 33 ft N. center crossroads; 0.5 ft lower than crossroads, painted "UE", a rail spike in power pole 1362.93

HUDSON QUAD. - 256 IA., 15 S. DAK.

- 26 19.2 UE 23 C; a chiseled square on headwall of concrete culvert; T. 97 N., R. 47 W., near cor. secs. 2, 3, 10 and 11 (900 ft N. of sec. cor.), 14 ft E., 18 ft W. of center rd. at T-drive W. to house 1321.80
- 27 20.0 UE 23 D; T. 97 N., R. 47 W., between secs. 3 and 10; about 0.4 mi E. of sec. cor. 3, 4, 9 and 10; top of W. rail at center of rd., not painted 1300.1
- 28 21.1 West rail at center of rd., near sec. cor. 10, 11, 14 and 15; not painted 1274.8
- 29 21.5 S. rail at center of rd., not painted 1303.0
- 29 22.9 Rock Valley, 2.7 mi NW. along the Chicago, Milwaukee, St. Paul and Pacific RR. from the station at; 0.4 mi SE. of MP 279, 0.1 mi NW. of a section rd. crossing, 45.4 ft SW. of the SW. rail, and 1.5 ft NE. of the right-of-way fence; a standard USC&GS disk stamped "X 9 1934" and set in the top of a concrete post projecting about 6 in. above ground (Found in good condition as described 9/16/66 CDL) 1283.439

LINE 2

C. D. Lien. 1966; Book CV-2102

HUDSON QUAD. - 256 IA., 15 S. DAK.

- 0.0 Hawarden, 1.0 mi N. along the Chicago, Milwaukee, St. Paul and Pacific RR. from the station at; 101.0 ft N. of the center of 21st Street, 57 ft SW. of a switch block to a side track, 37 ft W. of the W. rail of the main track, 35.4 ft W. of the W. rail of the side track, 1.3 ft E. of a witness post, set in the top of a concrete post, a USC&GS standard disk stamped "S 154 1949" which projects 0.5 ft above the ground 1176.484
- 0.9 UE; at Hawarden, a copper nail and washer in the center of jct. at Hwy. 10 and 12; not painted 1176.71
- 1.8 UE 154 B; Hawarden, Junction Hwy. 10 and 12, 0.88 mi E. of; along Hwy. 10; Ts. 94 and 95 N., R. 48 W., a chiseled square on the NE. cor. of a concrete bridge over Dry Creek; 0.6 ft higher than center of bridge, 18 ft higher than creek, painted "154 B" 1193.84
- 3.0 UP; Hawarden, Hwy. Jct. 10 and 12; 2.07 mi E. of; Ts. 94 and 95 N., R. 47 W., 52 ft N., 40 ft W. and 3 ft higher than center of rd. at private drive N., a rail spike in N. side of telephone pole, painted "154 C" 1286.81
- 3.7 Hawarden, Hwy. Jct. 10 and 12; 2.83 mi E. of; Ts. 94 and 95 N., R. 47 W., cor. secs. 5, 6, 31 and 32; 50 ft N. and 205 ft W. of; 5.7 ft higher than crossroads, 50 ft N., 110 ft W. from center of rd. at private drive N. to the Don Schmidt farm; 2.5 ft S. of telephone pole, in a concrete post projecting 4 in. above ground, a standard tablet stamped "24 CDL 1966", painted "B4 24" 1251.800
- 3.7 Reference Mark; 47 ft N., 21 ft W. from crossroads; a chiseled square on W. end of a concrete culvert 1244.74

<u>LINE 2 (Cont'd)</u>	<u>FEET</u>
<u>HUDSON QUAD. - 256 IA., 15 S. DAK.</u>	
4.7 UE, 1.0 mi E. of tablet, Ts. 94 and 95 N., R. 47 W.; sec. cors. 4, 5, 32 and 33; a copper nail and washer in center of crossroads, painted "UE 24 A"	1310.30
5.7 UE; 1.0 mi E. along rd. from tablet; Ts. 94 and 95 N., R. 47 W.; a copper nail and washer in center of crossroads; painted "24 B"	1307.15
6.7 Reference Mark; a copper nail and washer in center of crossroads	1357.54
6.7 Hawarden, 6.0 mi E. of; Ts. 94 and 95 N., R. 47 W., sec. cors. 2, 3, 34 and 35; 50 ft N., 38 ft E., and 0.5 ft higher than crossroads; 3.4 ft E., 1 ft S. of right-of-way fence cor., 1 ft S. of witness post, in a concrete post projecting 4 in. above ground; a standard tablet stamped "25 CDL 1966", painted "BM 25"	1357.998
7.7 UE; 1.0 mi N. along rd. from tablet; T. 95 N., R. 47 W.; sec. cors. 26, 27, 34 and 35; 24 ft N.; 18 ft E. and same elevation as crossroads; a punched hole in the E. end of a metal culvert; painted "UE 25 A"	1374.37
8.7 UE; 2.0 mi N. along rd. from tablet; T. 95 N., R. 47 W.; sec. cors. 22, 23, 26 and 27; 32 ft S., 33 ft W. and 3.3 ft lower than crossroads; a rail spike in E. side of telephone pole; painted "UE 25 B"	1311.50
9.7 Reference Mark; 32 ft S., 33 ft E. of crossroads; 68 ft E. from tablet; 0.6 ft NE. of right-of-way fence cor.; a reinforcing rod projecting 4 in. above ground	1295.61
9.7 Hawarden, 3.0 mi N., 6.0 mi E. of; T. 95 N., R. 47 W.; cor. secs. 14, 15, 22 and 23; 32 ft S., 35 ft W., and 2.2 ft lower than crossroads; 2 ft N. of telephone pole, in a concrete post projecting 2 in. above ground; a standard tablet stamped "26 CDL 1966" painted "BM 26"	1295.651
10.7 UE; 1.0 mi E. along rd. from tablet; T. 95 N., R. 47 W.; sec. cors. 10, 11, 14 and 15; 34 ft S., 22 ft W. and 2.2 ft lower than crossroads; a chiseled square on the W. end of a concrete culvert; painted "UE 26 A"	1340.85
11.7 UE; 2.0 mi N. along rd. from tablet; T. 95 N., R. 47 W.; sec. cors. 2, 3, 10 and 11; 38 ft N., 27 ft E. and 4 ft lower than crossroads; a rail spike in W. side of telephone pole, painted "UE 26 B"	1344.92
12.7 Reference Mark; 42 ft N., 26 ft W. from crossroads; 8 ft S., 60 ft W. from tablet; a chiseled square on the W. end of a concrete culvert	1337.45
12.7 Hawarden, 6.0 mi N., 6.0 mi E. of; Hudson, 3.0 mi S., 4.0 mi E. of; Ts. 95 and 96 N., R. 47 W., sec. cors. 2, 3, 34 and 35; 50 ft N., 33 ft E., and 4.4 ft lower than crossroads; 2 ft SE. of right-of-way fence cor., in a concrete post projecting 4 in. above ground; a standard tablet stamped "27 CDL 1966", painted "BM 27"	1339.182
13.7 UE; 1.0 mi N. along rd. from tablet; T. 96 N., R. 47 W.; sec. cors. 26, 27, 34 and 35; 59 ft SE., 11 ft NE. from Y-rd. SE.; a chiseled square on top of the NW. headwall of a concrete bridge over Dry Creek; 2.4 ft higher than center of bridge; 11.8 ft higher than drain; painted "UE 27 A"	1294.37
14.7 UE; 2.0 mi N. along rd. from tablet; T. 96 N., R. 47 W., sec. cors. 22, 23, 26 and 27; 16 ft N., 33 ft E. and 1.0 ft lower than crossroads; a punched hole in the N. end of a metal culvert; painted "UE 27 B"	1374.91
15.7 Reference Mark; 25 ft S., 25 ft W. from crossroads; 26 ft N., 70 ft W. from tablet; a chiseled square on the S. end of a concrete culvert	1294.67
15.7 Hudson, 4.0 mi E. of; T. 96 N., R. 47 W., sec. cors. 14, 15, 22 and 23; 51 ft S., 36 ft E. and 0.3 ft lower than crossroads; 3.6 ft E. of telephone pole; 1 ft N. of witness post; in a concrete post projecting 2 in. above ground; stamped "28 CDL 1966", painted "BM 28"	1296.728

LINE 2 (Cont'd)

FEET

HUDSON QUAD. - 256 IA., 15 S. DAK.

- 16.7 UE; 1.0 mi N. along rd. from tablet; T. 96 N., R. 47 W.; sec. cors. 10, 11, 14 and 15; 19 ft N., 33 ft E., and 2.4 ft lower than T-rd. E., a punched hole in the N. end of a metal culvert; painted "28 A" 1274.43
- 17.7 UE; 2.0 mi N. along rd. from tablet; T. 96 N., R. 47 W.; cor. secs. 2, 3, 10 and 11; 29 ft N., 31 ft W., and 1.8 ft lower than crossroads; a rail spike in E. side of telephone pole; painted "UE 28 B" 1258.43
- 18.6 UE; 3.0 mi N. along rd. from tablet; Ts. 96 and 97 N., R. 47 W.; near sec. cors. 2, 3, 34 and 35; 37 ft N., 11 ft W. and 0.3 ft higher than center of wooden bridge; 13.8 ft higher than drain; a copper nail and washer in the NW. wing piling; painted "UE 28 C" 1221.52
- 19.1 Hudson, 3.5 mi N., 4.0 mi E. of; Rock Valley, 1.5 mi S., 4.0 mi W. of; T. 97 N., R. 47 W.; near the quarter cor. between secs. 34 and 35; 45 ft N., 14 ft W., and 1.2 ft lower than center of rd. at field rd. N., 5.8 ft NW. of telephone pole, 2.4 ft SE. of right-of-way fence cor.; 1 ft S. of witness post; in a concrete post projecting 3 in. above ground; a standard tablet stamped "29 CDL 1966", painted "BM 29" 1230.340
- 19.7 UE; 0.6 mi N. of tablet; T. 97 N., R. 47 W.; cor. secs. 26, 27, 34 and 35; 29 ft S., 35 ft W., and 2.4 ft lower than center of rd. at private drive S.; a rail spike in N. side of telephone pole; painted "UE 29 A" 1219.15
- 20.7 UE; 1.6 mi N. of tablet; T. 97 N., R. 47 W.; cor. secs. 22, 23, 26 and 27; 46 ft N., 29 ft E. and 3.1 ft lower than crossroads; a chiseled square in the E. end of a concrete culvert; painted "UE 29 B" 1239.12
- 21.7 Reference Mark; 43 ft N., 28 ft W. from crossroads; 16 ft S., 78 ft W. of tablet; a chiseled square on W. end of a concrete culvert 1227.96
- 21.7 Rock Valley, 3.0 mi W. of; T. 97 N., R. 47 W.; cor. secs. 23, 24, 25 and 26; 59 ft N., 50 ft E. and same elevation as crossroads; 2.2 ft S. of right-of-way fence; 7.2 ft SE. of telephone pole; 1.6 ft S. of a witness post in a concrete post flush with ground; a standard tablet stamped "30 CDL 1966", painted "BM 30" 1231.169
- 22.7 UE; 1.0 mi N. along rd. from tablet; T. 97 N., R. 47 W.; cor. secs. 13, 14, 23 and 24; 20 ft N., 27 ft E. and 0.8 ft lower than crossroads; a punched hole in the N. end of a metal culvert; painted "UE 30 A" 1292.56
- 23.3 UE; 1.0 mi N., 0.57 mi E. of tablet; T. 97 N., R. 47 W.; near the quarter cor. between secs. 13 and 24; a copper nail and washer in center of RR. crossing; painted "UE 30 B" 1277.27
- 23.4 Rock Valley, 2.7 mi NW. along the Chicago, Milwaukee, St. Paul and Pacific RR. from the station at; 0.4 mi SE. of MP 279, 0.1 mi NW. of a section rd. crossing; 45.4 ft SW. of the SW. rail, and 1.5 ft NE. of the right-of-way fence; a standard USC&GS disk, stamped "X 9 1934" and set in the top of a concrete post projecting about 6 in. above ground (Found in good condition as described 9/16/66, CDL) 1283.439

LINE 3

C. D. Lien, 1966; Book CV-2102

HUDSON QUAD. - 256 IA., 15 S. DAK.

- 0.0 At Rock Valley, in the face of the S. foundation wall of the city hall, 52 ft E. of the center of N.-S. Main Street; 39 ft N. of the center of an E.-W. street, and 1.5 ft E. of the SW. cor. of the building; a standard USC&GS disk stamped "ROCK VALLEY 1934" and set vertically 1251.704
- 1.0 UE; 0.97 mi NW. along RR. from station at Rock Valley; top of N. rail, center of RR. bridge over the Rock River 1244.5

LINE 3 (Cont'd)

FEET

HUDSON QUAD. - 256 IA., 15 S. DAK.

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| 2.1 UE; 2.1 mi NW. along RR. from station at Rock Valley; top of N. rail opposite MP 278 | 1255.7 |
| 2.7 "X 9 1934" (Described in Line 2) | 1283.439 |

LINE 4

L. M. Tackett. 1963; Book CV-1568

IRETON QUAD. - 233

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| 0.0 Ireton, 1.5 mi N. and 3.0 mi E. from; 2.3 mi N. and 3.6 mi W. from Maurice; 4.0 mi W. from intersection of U. S. Hwy. 75 and State Hwy. 10; Ts. 94 and 95 N., R. 46 W.; 270 ft E., 48 ft S. and 3 ft higher than center of crossroads; at approx. cor. of secs. 1, 2, 35 and 36; 141 ft S. of white farmhouse, 3 ft E. of telephone pole, 1 ft N. of fence line, in concrete post; a standard tablet stamped "24 WHV 1957 1409 FT" | 1409.315 |
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HUDSON QUAD. - 256

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|---|---------|
| 1.0 UE 24 WHV F; T. 95 N., R. 46 W.; cor. secs. 26, 27, 34 and 35; 14 ft N., 34 ft E., and 2.7 ft lower than crossroads; a punched hole in N. end of a steel culvert; painted "UE 1443.3" | 1443.30 |
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SIOUX CENTER QUAD. - 255

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| 2.1 UE 24 WHV G; T. 95 N., R. 46 W.; at cor. secs. 25, 26, 35 and 36; 16 ft S., 87 ft E. and 4 ft lower than crossroads; a chiseled square in center of S. headwall of a concrete culvert; painted "UE 1399.3" | 1399.36 |
| 3.1 UE 24 WHV H; T. 95 N., R. 45 W.; cor. secs. 23, 24, 25 and 26; 17 ft S., 31 ft E. and 0.4 ft lower than crossroads; a punched hole in S. end of a steel culvert; painted "UE 1435.9" | 1435.9 |
| 4.1 Sioux Center, 1.8 mi S. and 2.5 mi W. of; T. 95 N., R. 46 W.; cor. secs. 13, 14, 23 and 24; 200 ft S., 33 ft E. and 3.9 ft higher than crossroads; 0.5 ft W. of fence and set flush with the ground; a standard tablet in top of a concrete post; stamped "45 LMT 1963", painted "BM 1435.6" | 1435.669 |
| 4.2 Reference Mark, 17 ft S., 34 ft W. of crossroads; a chiseled square on S. end of a concrete tile culvert | 1431.88 |
| 5.2 UE 45 LMT A; T. 95 N., R. 46 W.; cor. secs. 11, 12, 13 and 14; 36 ft S., 16 ft W. and 2.6 ft lower than crossroads; a punched hole in W. end of a steel culvert; painted "UE 1447.6" | 1447.6 |
| 6.2 UE 45 LMT B; T. 95 N., R. 46 W.; cor. secs. 1, 2, 11 and 12; 43 ft S., 28 ft W., and 1.0 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert; painted "UE 1451.3" | 1451.31 |
| 7.2 Sioux Center, 2.5 mi W. of; T. 95 and 96 N., R. 46 W.; cor. secs. 1, 2, 35 and 36; 40 ft S., 27 ft E., and 3.1 ft lower than crossroads; in between power pole and telephone pole; projecting 1 in. above ground; a standard tablet in top of a concrete post; stamped "1384 46 LMT 1963", painted "EM 1384.4" | 1384.476 |
| 7.2 Reference Mark, 27 ft N., 17 ft W. of crossroads; a chiseled square on W. end of a concrete tile culvert | 1384.23 |
| 8.2 UE 46 LMT A; T. 96 N., R. 46 W.; cor. secs. 25, 26, 35 and 36; 17 ft N., 28 ft E. and 0.6 ft lower than crossroads; a punched hole in N. end of a steel culvert; painted "UE 1418.1" | 1418.1 |

LINE 4 (Cont'd)

FEET

SIOUX CENTER QUAD. - 255

- 9.2 UE 46 LMT B; T. 96 N., R. 46 W.; cor. secs. 23, 24, 25 and 26; 15 ft N., 98 ft W. and 1.1 ft higher than crossroads; 0.9 ft higher than rd. at culvert; and 7 ft above the drain; a chiseled square in center of N. headwall of culvert, painted "UE 1379.5" 1379.61
- 10.2 Sioux Center, 2.5 mi N. and 2.5 mi W. of; at the town called Carmel; T. 96 N., R. 46 W.; at cor. secs. 13, 14, 23 and 24; 410 ft S. and 32 ft E. and 8.1 ft lower than crossroads; 3 ft NE. of fence cor. set flush with the ground; a standard tablet in top of a concrete post; stamped "1337 47 LMT 1963", painted "EM 1336.7" (Erroneously stamped and painted) 1436.740

LINE 5

L. M. Tackett, 1963; Book CV-1568

SIOUX CENTER QUAD. - 255

- 6.0 Rock Valley, 2.2 mi N., 2.2 mi E. of; T. 97 N., R. 46 W.; cor. secs. 1, 2, 11 and 12; 72 ft S., 49 ft E., and 2.6 ft lower than T-rd. E.; between telephone pole and fence projecting 2 in. above the ground; a standard tablet stamped "1264 50 LMT 1963", painted "BM 1264.4" 1264.369
- 7.0 UE 50 LMT A; T. 97 N., R. 46 W.; cor. secs. 11, 12, 13 and 14; 40d nail in center of asphalt rd. at gravel crossroads; painted "UE Centerline 1305.0" 1305.02
- 8.0 UE 50 LMT B; T. 97 N., R. 46 W.; cor. secs. 13, 14, 23 and 24; 58 ft N., 37 ft E., and 3.4 ft lower than crossroads; a chiseled square on N. end of a concrete tile culvert; painted "UE 1374.7" 1374.73
- 9.1 Rock Valley, 2.2 mi E. of; T. 97 N., R. 46 W.; cor. secs. 23, 24, 25 and 26; 60 ft S., 54 ft E., and 2.2 ft higher than crossroads; 2 ft W. of power pole and 1.5 ft N. of fence projecting 2 in. above ground; a standard tablet in top of a concrete post; stamped "1391 51 LMT 1963", painted "EM 1391.3" 1391.286
- 9.1 Reference Mark; 60 ft S., 38 ft W. of crossroads; an iron stake driven in ground at a fence cor.; a right-of-way marker 1388.00
- 10.1 UE 51 LMT A; T. 97 N., R. 46 W., cor. secs. 25, 26, 35 and 36; 35 ft S., 35 ft W. and 1.4 ft lower than crossroads; rail spike in E. side of a power pole, painted "UE 1414.5" 1414.45
- 11.1 UE 51 LMT B; Ts. 96 and 97 N., R. 46 W.; cor. secs. 1, 2, 35 and 36; 31 ft N., 34 ft E. and 1.6 ft lower than crossroads; a rail spike in W. side of power pole, painted "UE 1364.3" 1364.29
- 12.1 Reference Mark; 25 ft N., 40 ft W. of crossroads; a chiseled square on N. end of a concrete tile culvert 1421.57
- 12.1 Rock Valley, 3.0 mi S. and 2.2 mi E. of; T. 96 N., R. 46 W.; cor. secs. 1, 2, 11 and 12; 29 ft S., 45 ft E. and 3.1 ft lower than crossroads; 4 ft N. of telephone pole and 1 ft W. of fence; set flush with the ground; a standard tablet in top of a concrete post; stamped "1420 52 LMT 1963", painted "EM 1420.3" 1420.283
- 13.1 UE 52 LMT A; T. 96 N., R. 46 W.; cor. secs. 11, 12, 13 and 14; 32 ft S., 27 ft W., and 2.1 ft lower than crossroads; a chiseled square on S. end of concrete tile culvert; painted "UE 1432.3" 1432.33
- 14.2 "47 LMT 1963" (Described in Line 4) 1436.740

LINE 6

FEET

G. Sandul, 1961; Book CV-1338

CANTON QUAD. - 280, 48

13.9 Canton, 4.5 mi E. along U. S. Hwy. 18, thence 1.8 mi SW. along gravel rd., thence 1.2 mi S. along sec. line rd., thence 1.1 mi E. along gravel rd., thence 1.0 mi S. along sec. line rd., cor. secs. 3, 4, 33 and 34, Ts. 97 and 98 N., R. 48 W., 33 ft N., 59 ft E. of and 4.5 ft higher than center of crossroads; 26 ft E. of a fence cor., 1 ft S. of fence, 2 ft W. of a telephone pole, in the top of a concrete post; a standard tablet stamped "17 SAN 1961", painted "BM 1451.5" 1451.575

13.9 Reference Mark; about 270 ft S. of tablet; 219 ft S. and 12 ft E. of center of crossroads; in N. end of a concrete headwall; a chiseled square, painted "RM" 1446.29

ALCESTER QUAD. - 16

15.0 UE 17 A; 1.1 mi S. of tablet along gravel rd.; near cor. secs. 3, 4, 9 and 10; T. 97 N., R. 48 W.; 15 ft N., 35 ft W. of and 0.7 ft higher than center of T-rd. W., in the top of a corrugated steel culvert; a punched hole, painted "UE 1414.5" 1414.57

15.8 UE 17 B; 1.9 mi S. of tablet along gravel rd.; near quarter cor. between secs. 9 and 10; T. 97 N., R. 48 W.; where rd. curves from SE. to S., 72 ft NE. of center of curve, in W. side of a telephone pole at N.-S. fence; a rail spike, painted "UE 1334.3" 1334.32

16.3 Fairview, 1.4 mi NW. along the C. M. St. P. & P. RR. from the RR. station at; near N. sixteenth cor. between secs. 15 and 16; T. 97 N., R. 48 W., 6 poles E. of MP 43, 47 ft S. of the S. rail, 41 ft E. of the center of private rd. and an iron frame gate; 18 ft SE. of a pole, 1.4 ft N. of right-of-way fence; 2 ft W. of a reference post; set in the top of a concrete post projecting 0.5 ft above the ground; a USC&GS standard disk stamped "Y 154 1949", painted "BM 1243.0" 1243.049