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THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

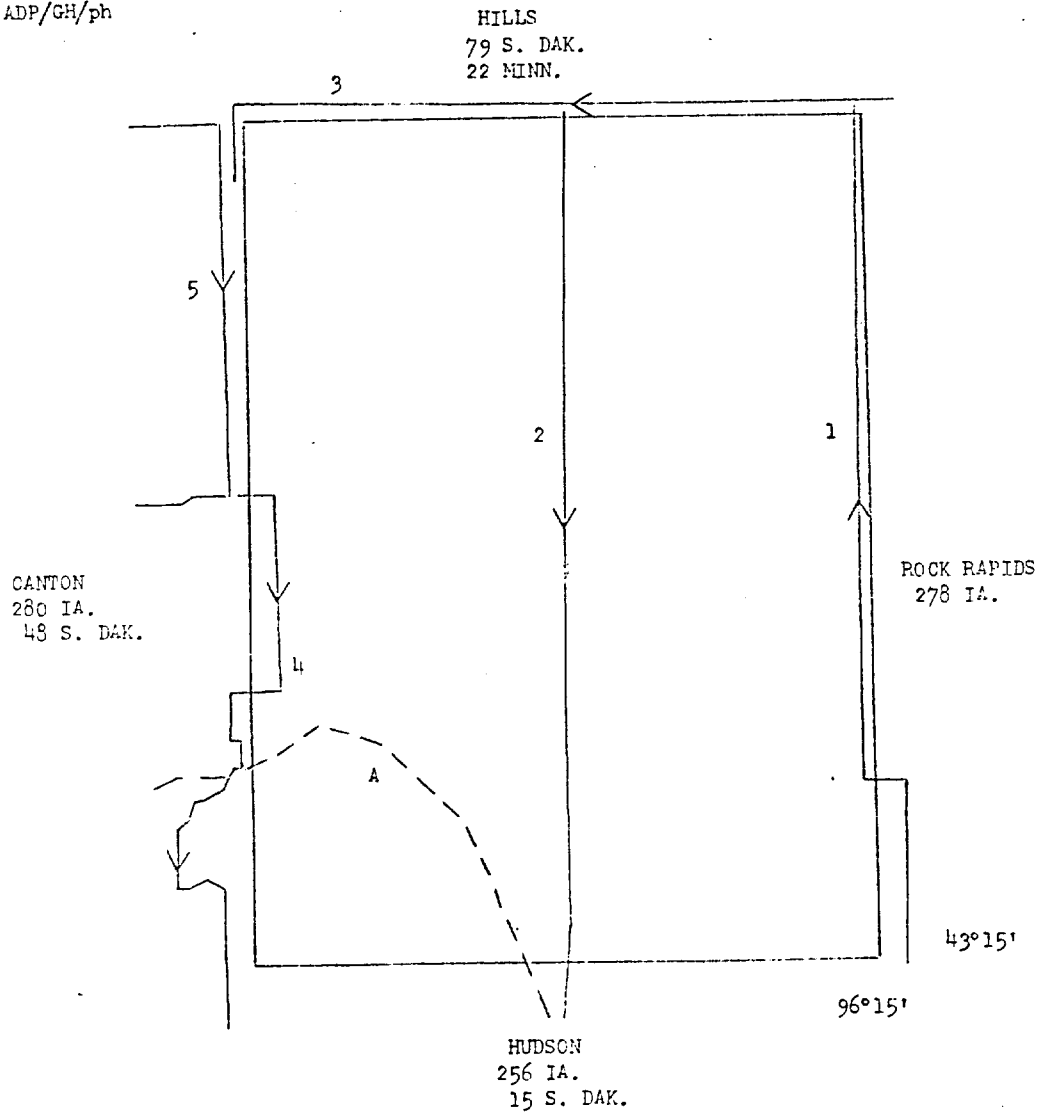
Final Adjustment of 1969

Lynn and Sioux Counties

Edition of 11/25/69
PR: ADP/GH/ph

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LARCHWOOD QUADRANGLE
279 IOWA - 47 SOUTH DAKOTA
N4315-W9600/15
DIAGRAM NK 14-3
SIOUX FALLS



USC&GS VERTICAL CONTROL DATA

A. Quadrangle No. 430962

279A

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 1363.93

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 USCGS 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) 1303.439

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 USCGS 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 UE; 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 "B1 24" 1251.801
- 3.7 Reference Mark; 47 ft N., 21 ft W. from crossroads; a chiseled square on W. end of a concrete culvert 1244.74

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HUDSON QUADRANGLE
256 IOWA - 15 SOUTH DAKOTA

LINE 2 (Cont'd)

FEET

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

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	1357.55
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"	1358.000
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"	1295.653
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"	1339.188
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"	1294.40
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"	1374.96
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	1294.74
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"	1296.794

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HUDSON QUADRANGLE
256 IOWA - 15 SOUTH DAKOTA

LINE 3 (Cont'd)

FEET

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

- 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

- 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

HUDSON QUAD. - 256

- 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

SIOUX CENTER QUAD. - 255

- 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 "BM 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

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LARCHWOOD QUADRANGLE
279 IOWA - 47 SOUTH DAKOTA

LINE 2 (Cont'd)

FEET

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

LINE 3

S. E. Mitchell, 1966; Book CV-2026

LUVERNE QUAD. - 21 MINN.

- 18.6 Steen, 1.0 mi S. and 1.5 mi E. of; on Minn.-Iowa State line, T. 101 N., R. 45 W., 820 ft W. of S. cor. secs. 33 and 34; 33 ft N. of center of rd. at crest, 2 ft S. of fence, in concrete post; a standard tablet stamped "48 SEM 1966 1475", painted "BM 1475.1" 1474.946
- 18.9 Center of E.-W. rd. on top of W. rail of RR. track; painted "CL 1455.0" 1454.87
- 19.4 UE, T. 101 N., R. 45 W., near S. cor. secs. 32 and 33; 54 ft N. and 19 ft W. of T-rd. N., 2.5 ft E. of W. end of corrugated pipe culvert; chiseled cross, painted "UE 1484.9" 1484.80
- 19.4 Center of E.-W. rd. at T-rd. N. 1486.8
- 20.4 Center of E.-W. rd. at T-rd. N., painted "CL 1456.5" 1456.3
- 20.5 Reference Mark, 966 ft ESE. of post; 66 ft S. and 12 ft E. of T-rd. S., on concrete headwall of culvert; chiseled square 1455.05

HILLS QUAD. - 79 S. DAK., 22 MINN.

- 20.7 Steen, 1.0 mi S. and 0.5 mi W. of; T. 101 N., R. 45 W., near S. cor. secs. 31 and 32, on Minn.-Iowa State line, 948 ft W. and 30 ft N. of T-rd. S., 30 ft N. and 12 ft E. of field entrance N., 2 ft N. of fence, in concrete post; a standard tablet stamped "49 SEM 1966 1454", painted "BM 1454.3" 1454.108
- 21.0 Center of wooden bridge on E.-W. rd., painted "CL 1445.4" 1445.2
- 21.5 UE, T. 101 N., Rs. 45 and 46 W., near S. cor. secs. 31 and 36; 407 ft N. and 9 ft E. of T-rd. N., on concrete headwall of culvert; chiseled square, painted "UE 1435.0" 1434.90
- 21.6 Center of E.-W. rd. at T-rd. N. 1438.0
- 22.6 Center of E.-W. rd. at T-rd. N., painted "CL 1444.5" 1444.3
- 22.6 Reference Mark, 480 ft E. of post, 18 ft N. and 288 ft W. of T-rd. N., on wooden culvert; copper nail and washer 1436.44

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