

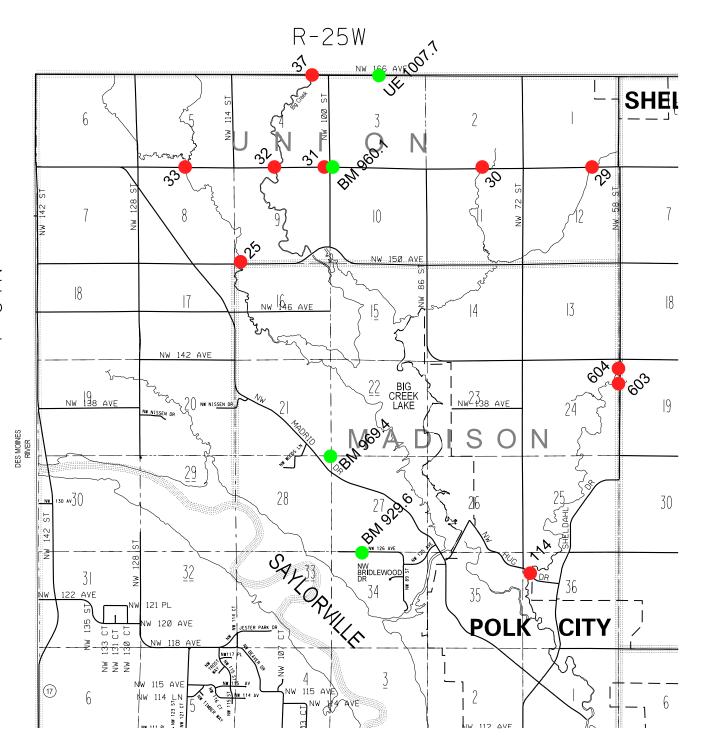
December, 2014

POLK COUNTY BENCH MARKS

T-81-N, R-25-W

| | Polk County Bench Marks | | | |
|-----|-------------------------|---|--|--|
| BM | Elev. | Description | | |
| | | Near SW corner Sec 9-81-25, on NW 150 Ave, 0.5 miles E of | | |
| | | NW Madrid Dr. An IDOT plug in the top of the NE wing of a bridge over | | |
| 25 | 946.75 | Little Creek. | | |
| | | In SE 1/4 of Sec 1-81-25, on NW 158 Ave, 0.25 miles W of NW 58 St. An | | |
| 29 | 996.63 | IDOT plug in the top of the N headwall of a RCB culvert. | | |
| | | In SE 1/4 of Sec 2-81-25, on NW 158 Ave, 0.33 miles W of NW 72 St. An | | |
| 30 | 985.94 | IDOT plug in the top of the N headwall of a RCB culvert. | | |
| | | In SE 1/4 of Sec 4-81-25, on NW 158 Ave, 250' W of NW 100 St. | | |
| 31 | 953.16 | An IDOT plug in the top of the N headwall of a RCB culvert. | | |
| | | In SW 1/4 Sec 4-81-25, on NW 158 Ave, 0.45 miles E of NW 114 St. An | | |
| 32 | 947.91 | IDOT plug in the top of the NW wing of a bridge over Big Creek. | | |
| | | Near S 1/4 Sec 5-81-25, on NW 158 Ave, 0.5 miles E of NW 128 St. An | | |
| 33 | 967.31 | IDOT plug in the top of the NE wing of a bridge over Little Creek. | | |
| | | In NE 1/4 Sec 4-81-25, on NW 166 Ave, 0.25 miles W of NW 100 St. | | |
| 37 | 961.57 | A spike in the top of the NW wing of a bridge over Big Creek. | | |
| | | In NW 1/4 of Sec 36-81-25, on NW Hugg Dr, 500' E of NW 72 St. | | |
| 114 | 866.03 | An IDOT plug in the top of the N headwall of a RCB culvert. | | |
| | | In NE 1/4 of Sec 24-81-25, on NW 58 St, 350' S of NW 142 Ave. | | |
| 603 | 936.29 | An IDOT plug in the top of the E headwall of a RCB culvert. | | |
| | | In NE 1/4 of Sec 24-81-25, on NW 58 St, 0.25 miles S of NW 142 Ave. | | |
| 604 | 940.49 | An IDOT plug in the top of the E headwall of a RCB culvert. | | |
| | | | | |

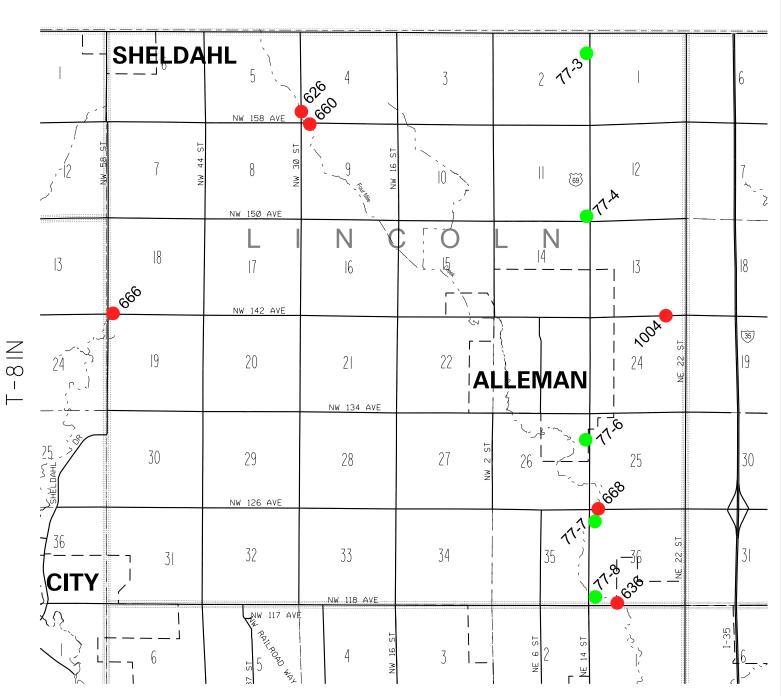
| | USGS Bench Marks | | | |
|----------|------------------|---|--|--|
| BM | Elev. | Description | | |
| BM 960.1 | 960.03 | T-81-N,R-25-W, Cor. Secs. 3,4,9 &10. 95' N, 33' W & 0.3 lower than X-rds. Standard tablet stamped "27 WMC 1964 960" painted "BM 960.1" | | |
| BM 969.4 | 969.34 | T-81-N,R-25-W, near cor. Secs.21, 22, 27 & 28; 128' N, 33' E & 3.9' higher than T-rd N; 1.0' W of fence line; in top of concrete post; a standard tablet stamped "25 WMC 1964 969" painted "BM 969.4" | | |
| BM 929.6 | 929.58 | T-81-N,R-25-W, near W sixteenth cor. Between Secs. 27 & 34; 31' N, 55' E & 1.9' higher than T-drive N; on crest of hill in top of in top of concrete post; a standard tablet stamped "26 WMC 1964 930" painted "BM 929.6" | | |
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T-81-N, R-24-W

| Polk County Bench Marks | | | |
|-------------------------|---------|---|--|
| ВМ | Elev. | Description | |
| | | In SW 1/4 Sec 36-81-24, on NW 118 Ave., 0.37 miles E of | |
| | | US Hwy 69. An IDOT plug in top of the NW wing of bridge over | |
| 636 | 931.53 | Fourmile Creek. | |
| | | In SW 1/4 Sec 25-81-24, on NW 126 Ave., 330' E of US Hwy 69. An | |
| 668 | 942.37 | "X" in top of NW wing of bridge over Fourmile Creek. | |
| | | In SE 1/4 Sec 5-81-24, on NW 30 St, 350' N of NW 158 Ave. An | |
| 626 | 999.48 | IDOT plug in top of W headwall of a RCB culvert. | |
| | | In SW 1/4 Sec 4-81-24, on NW 158 Ave, 150' E of NW 30 St. An | |
| 660 | 998.96 | IDOT plug in top of N headwall of a RCB culvert. | |
| | | In SE 1/4 Sec 13-81-24, on NE 142 Ave, 0.2 miles W of NE 22 St. A | |
| 1004 | 1004.49 | chiselled "X" on S headwall of a RCB culvert. | |
| | | | |

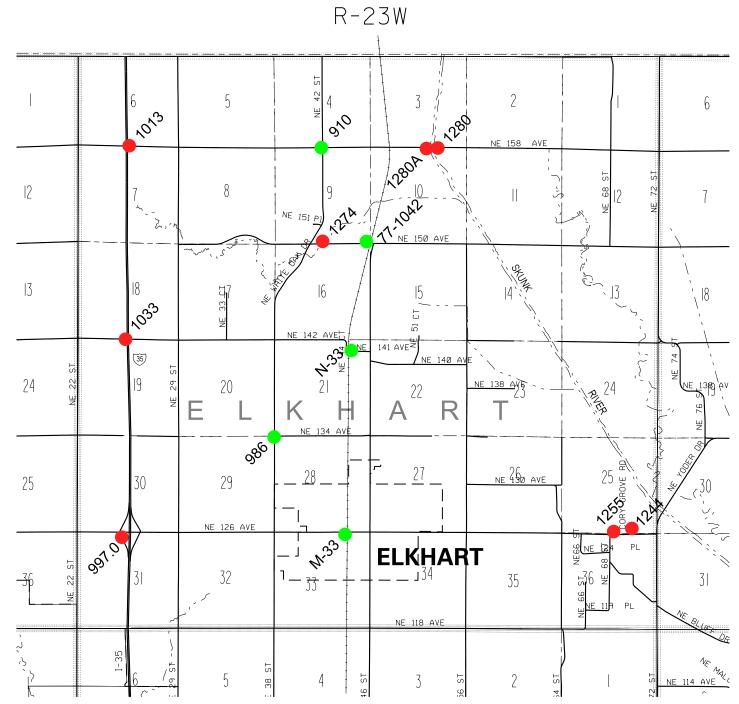
| | USGS Bench Marks | | | |
|------|------------------|---|--|--|
| ВМ | Elev. | Description | | |
| | | Near E 1/4 of NE 1/4 Sec 2-81-24, 37' W of CL of US Hwy 69, 2' W of | | |
| | | a wooded witness post. State Survey standard disk stamped "77-3", | | |
| 77-3 | 1030.44 | set in top of concrete post. | | |
| | | Near SE Cor Sec 11-81-24, 44.5' NW of Section Corner, 44.8' SW of | | |
| | | pav't Sta 1159, 2' W of a wood witness post. State Survey standard | | |
| 77-4 | 1010.90 | disk stamped "77-4", set in top of concrete post. | | |
| | | Near E 1/4 of NE 1/4 Sec 26-81-24, 80" N of fence corner, 31' W of | | |
| | | CL of US Hwy 69. State Survey standard disk stamped "77-6", set in | | |
| 77-6 | 1000.45 | top of concrete post. | | |
| | | Near NW Cor Sec 36-81-24. 87' S of NE 126 Ave, 27' E of CL of US | | |
| | | Hwy 69, 2 ' E of a wooden witness post. State Survey standard disk | | |
| 77-7 | 947.04 | stamped "77-7", set in top of concrete post. | | |
| | | Near SW Cor Sec 36-81-24, 32' N of CL NE 118 Ave, 30' E of CL of | | |
| | | US Hwy 69. State Survey standard disk stamped "77-8", set in top of | | |
| 77-8 | 941.740 | concrete post. | | |
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T-81-N , R-23-W

| | Polk County Bench Marks | | | |
|-------|-------------------------|--|--|--|
| ВМ | Elev. | Description | | |
| | | Near S 1/4 Cor Sec 18-81-23, on NE 142 Ave at Interstate 35. An IDOT | | |
| 1033 | 1032.61 | plug on SW corner of bridge over I-35. | | |
| | | Near S 1/4 Cor Sec 9-81-23, on NE 150 Ave., 550' E of NE White Oak Dr. | | |
| 1274 | 877.03 | An IDOT plug on top of the S headwall of a RCB culvert. | | |
| | | Near S 1/4 Cor Sec 25-81-23, on NE 126 Ave., 25' E of NE 68 St. An | | |
| 1255 | 842.86 | IDOT plug on top of S headwall on a RCB culvert. | | |
| | | In SE 1/4 Sec 25-81-23, on NE Cory Grove Rd., 50' N of NE 126 Ave. A | | |
| 1244 | 835.40 | chiselled "X" in W headwall on a RCB culvert. | | |
| | | Near S 1/4 Cor Sec 30-81-23, on NE 126 Ave at Interstate 35. An IDOT | | |
| 977.0 | 997.02 | plug on SW wing of bridge over I-35. | | |
| | | In SE 1/4 Sec 3-81-23, on NE 158 Ave. A gas pipe on top of bridge piling | | |
| 1280 | 842.62 | on bridge over Skunk River. | | |
| | | In SE 1/4 Sec 3-81-23, on NE 158 Ave. An IDOT plug on top of the N | | |
| 1280A | 838.14 | headwall of X-rd culverts 120' W of Skunk River Bridge. | | |
| | | Near S 1/4 Cor Sec 6-81-23, on NE 158 Ave at Interstate 35. An IDOT | | |
| 1013 | 1013.68 | plug on SW wing of bridge over I-35. | | |
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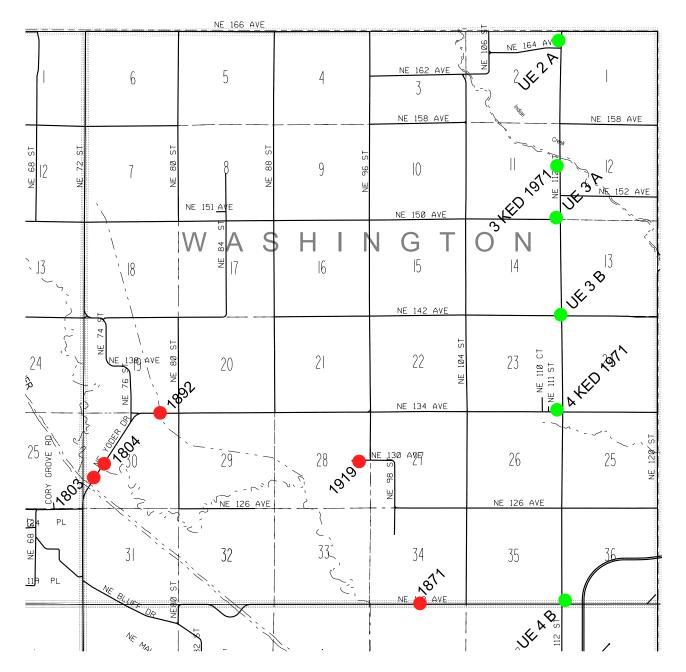
| | USGS Bench Marks | | | |
|---------|------------------|---|--|--|
| ВМ | Elev. | Description | | |
| 910 | 908.965 | Near N 1/4 Cor Sec 9-81-23, 32' S of CL of NE 158 Ave, 22' E of CL of NE 42 St, 2.3' SW of fence corner. A USGS standard cap, stamped "910", riveted on the top of a 3 1/2" iron pipe. | | |
| 986 | 984.50 | Near NW Cor Sec 28-81-23, 31' S of CL of NE 134 Ave, 27' E of CL of NE 38 St, 3.3 S of fence corner. A USGS standard cap, stamped "986", riveted on the top of a 3 1/2" iron pipe. | | |
| 77-1042 | 890.418 | Near NE Cor Sec 16-81-23 45.2' W of West rail. A State Survey standard disk, stamped "77-1042" and set in the top of a concrete post. | | |
| N-33 | 937.816 | In NE 1/4 Sec 21-81-23, at RR X-ing on NE 141 Ave, 39' S of CL of NE 141 Ave, 20.8' E of East rail, 30.3' SW of fence corner. A standard disk, stamped "N 33 1934" and set in the top of a concrete post projecting about 5 inches above ground. | | |
| M-33 | 979.519 | Near NE Cor Sec 33-81-23, at RR X-ing on NE 126 Ave, 45.3' W of West rail, 29' S of CL of NE 126 Ave, 6.2' SE of fence corner and 2' E of fence. A standard disk, stamped "M 33 1934" and set in the top of a concrete post projecting about 3 inches above ground. | | |
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T-81-N, R-22-W

| | Polk County Bench Marks | | | |
|------|-------------------------|---|--|--|
| BM | Elev. | Description | | |
| 1803 | 836.86 | In SW 1/4 Sec 30-81-22, on NE Yoder Dr, 0.3 miles N of NE 126 Ave. A cut "X" on top of the the concrete curb at NW corner of bridge over Skunk River. | | |
| 1804 | 831.09 | In SW 1/4 Sec 30-81-22, on NE Yoder Dr, 0.5 miles N of NE 126 Ave. An "X" Top of Curb NW wing of bridge over old river channel. | | |
| 1871 | 834.61 | Near S 1/4 Cor Sec 34-81-22, on NE 118 Ave, 0.5 miles W of NE 104 St. An IDOT plug on the N headwall of a RCB culvert. | | |
| 1892 | 828.15 | In SE 1/4 Sec 19-81-22, on NE 134 Ave. 1000' W of NE 80 St. An IDOT plug on N headwall of a RCB culvert. | | |
| 1919 | 964.59 | Near E 1/4 Cor Sec 28-81-22 on NE 130 Ave at intersection NE 86 St. A RR Spk in power pole 600' E of a RCB culvert in NW quadrant of intersection, 31' N of CL of NE 130 Ave. | | |
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| | | USGS Bench Marks |
|-----------|--------|---|
| ВМ | Elev. | Description |
| UE 2 A | 925.01 | In NE 1/4 Sec 2-81-22, 215' N, 57' W, and 1.4' higher that T-Rd W. SE corner of bottom step at entrance to Peoria Methodist Church, a chiseled square. |
| KED 197 | 852.19 | Near 1/4 Cor between Sec 11-81-22 & Sec 12-81-22 on bridge on NE 112 St over Skunk River. 12.5' W of and 0.9' higher than CL of road at bridge. Top of S end of concrete base of W railing, a standard tablet stamped "3 KED 1971", painted. |
| UE 3 A | 850.80 | Near SE Cor Sec 11-81-22 on NE 112 St at NE 150 Ave. 23' N, 38' W and 2.9' lower than intersection. N end of concret pipe culvert, chiseled square, painted. |
| UE 3 B | 893.48 | Near SW Cor Sec 13-81-22 on NE 142 Ave. 345' E, 14' S and 10.3' lower than intersection at NE 112 St. Center of S headwall of 18' concrete box culvert, chiseled square, painted. |
| · KED 197 | 969.26 | Near SE Cor Sec 23-81-22 on NE 134 Ave at Farrar. 501' W, 27.5' N and 9.3' higher than intersection at NE112 St. 22.5' W of road S by school, 3.7' E of E gate post at cemetery entrance and 0.5' S of fence. A standard tablet attached to a copper weld rod centered in a 6 in. tile filled with gravel and level with the ground, tablet is stamped "4 KED 1971", not painted. |
| UE 4 B | 916.04 | Near SW Cor Sec 36-81-22 on NE 118 Ave. 32' N, 41' E and 4.4' lower than intersection at NE 112 St. SE end of NE headwall of 8' concrete box culvert, chiseled square, painted. |
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T-80-N, R-25-W

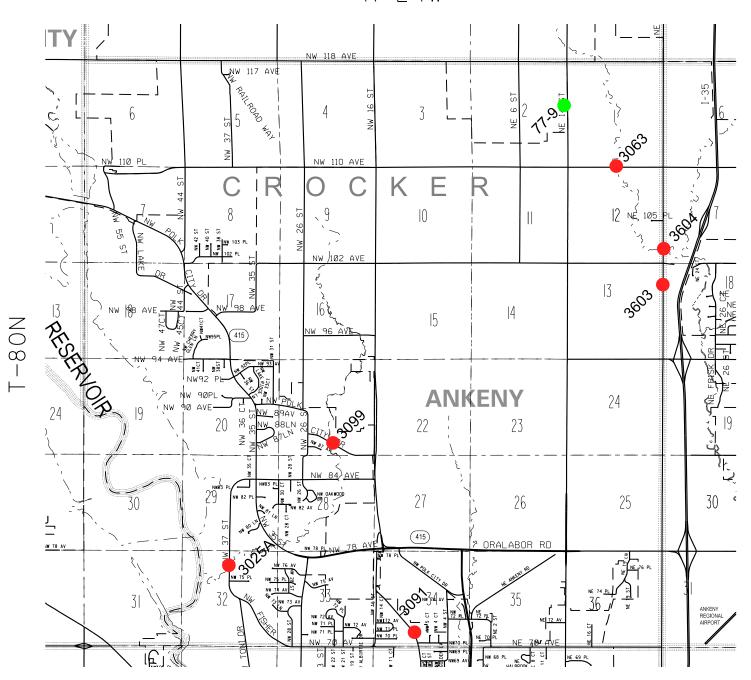
| | Polk County Bench Marks | | | |
|------|-------------------------|---|--|--|
| BM | Elev. | Description | | |
| 130 | 861.76 | In SE 1/4 Sec 36-81-25, on NW 118 Ave., 700' E of Polk City Cemetery entrance. An IDOT plug in the top of the N headwall of a RCB culvert. | | |
| 2405 | 856.38 | In SW 1/4 Sec 7-80-25, on NW 102 Ave., 0.35 miles E of county line. Top of SW corner of SW wing of bridge. | | |
| 2460 | 850.20 | In NW 1/4 Sec 1-80-25, on NW Sheldahl Dr., 800' S of NW 118 Ave. An IDOT plug in top of the E headwall of a RCB culvert. | | |
| 2465 | 832.489 | In SW 1/4 Sec 35-80-25, on NW 70 Ave., 425' E of NW 86 St. A brass plug in the NE corner of the top of the barrier rail on bridge over Beaver Creek. | | |
| 860 | 859.29 | In SE 1/4 Sec 17-80-25, on IA Hwy 141, 0.25 N of SE corner of Section 17, approx. 45' S of CL of median crossover, 42' E of CL of Northbound lane of highway. A lead plug in the E headwall of a RCB culvert. | | |
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| USGS Bench Marks | | | |
|------------------|---------|--|--|
| ВМ | Elev. | Description | |
| 974 | 972.786 | Near NE 1/4 of SE 1/4 Sec 31-81-25, E of intersection of NW 128 St & NW 120 Ave. | |
| BM 941.6 | 941.592 | Near SW Cor Sec 33-81-25, 76' S, 38' W of, 1.2' higher than intersection of NW Jester Park Dr & NW 114 St. in top of concrete post. A standard tablet stamped "27 WMC 1964 942" painted "BM 941.6" | |
| UE 901.8 | 901.72 | Near Center Sec 4-80-25, 390' S and 24' W of intersection of NW 107 St & NW 114 Ave, 5.3' lower than center of road at culvert, on top of CMP culvert, a painted square, painted "UE 901.8" | |
| UE 939.8 | 939.80 | Near 1/4 corner Sec 8/9-80-25, on NW 106 Ave, 62' E of and 4.4' lower than intersection at NW 114 St, on top of concrete culvert, a chiseled square, painted "UE 939.8" | |
| UE 930.4 | 930.45 | Near center Sec 9-80-25, on NW 106 Ave, 39' N, 20' W of and 1.9' lower than intersection at NW 107 St, on top of concrete culvert, a chiseled square, painted "UE 930.4" | |
| UE 900.3 | 900.38 | Near 1/4 cor Sec 8/17-80-25, on NW 102 Ave, 36' W of and 3.3' lower than intersection at NW 121 St, on top S end of concrete culvert, a chiseled square, painted "UE 930.3" | |
| UE 911.9 | 911.95 | Near SE cor Sec 8-80-25, On NW 102 Ave, 18' N, 29' W of, 2.2' lower than intersection of NW 114 St on top of a CMP culvert. A painted square, painted "UE 911.9" | |
| 881 | 879.356 | Near center of Sec 20-80-25, on NW 121 St, an iron post stamped "881" | |
| 885 | 883.422 | Near NW cor Sec 34-80-25, on NW 100 St, in field E of intersection at NW 78 Ave, an iron post, stamped "885" | |
| 77-159 1939 | 877.433 | Near the S 1/4 cor Sec 34-80-25 on NW 70 Ave, 24.7' N of a metal plug in the center of pavement and in line with N-S fence, in concrete post, standard tablet stamped "USC&GS and SS 77-159 1939" | |
| 890 | 888.80 | In Polk City, NW Corner Front Face Polk City Savings Bank Aluminum Cap Stamped "890" | |

T-80-N , R-24-W

| | Polk County Bench Marks | | | |
|-------|-------------------------|--|--|--|
| BM | Elev. | Description | | |
| | | In SE 1/4 Sec 21-81-24 on NW Polk City Dr., 0.5 miles W of | | |
| | | Irvindale Dr/NW 16 St. An IDOT plug in N headwall of a RCB culvert on | | |
| 3099 | 885.194 | Rock Creek. | | |
| | | In N 1/2 Sec 32-80-24, on NW 37 St, 0.2 mile N of NW 75 Pl. | | |
| 3025A | 824.12 | An IDOT plug in top of rail, NW corner of bridge over Rock Creek. | | |
| | | In SW 1/4 Sec 34-80-24, on NW 6 Dr, 630' N of NE 70 Ave. | | |
| 3091 | 869.51 | An IDOT plug in outlet headwall of RCB culvert. | | |
| | | Near S 1/4 cor Sec 1-80-24, on NW 110 Ave. An IDOT plug in top of rail, | | |
| 3063 | 921.87 | NW corner of bridge over Fourmile Creek. | | |
| | | Near SW cor Sec 12-80-24, on NE 22 St/Delaware Ave, 700' N of | | |
| | | NE 86 Ave/ NE 18 St. An IDOT plug in top of rail, SW corner of bridge over | | |
| 3604 | 911.57 | Fourmile Creek. | | |
| | | | | |
| | | Near SE cor of NE 1/4 Sec 13-80-24 on NE 22 St/Delaware Ave, 0.25 miles | | |
| 3603 | 903.74 | S of NE 86 Ave/NE 18 St. An IDOT plug in E headwall of RCB culvert. | | |
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| | USGS Bench Marks | | | |
|------|------------------|--|--|--|
| BM | Elev. | Description | | |
| 77-9 | 944.513 | Near E 1/4 cor Sec 2-80-24, on NE 14 St/Hwy 69, 110' N of 1/4 section line fence, 30' W of centerline of highway, 2' W of a white wooden witness post. A State Survey standard disk, stamped "77-9" and set in the top of a concrete post. | | |
| 11-9 | 944.513 | concrete post. | | |
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T-80-N , R-23-W

| | Polk County Bench Marks | | | | |
|------|-------------------------|---|--|--|--|
| BM | Elev. | Description | | | |
| 3609 | 882.04 | Near SW Cor Sec 29-80-23, on NE 29 St., just N of NE 78 Ave. An IDOT plug in top of concrete rail at NW corner of bridge over Fourmile Creek. | | | |
| | | In NW 1/4 Sec 34-80-23, on NE 46 St, 810'± S of NE 78 Ave. An IDOT | | | |
| 3623 | 911.69 | plug in E headwall of RCB culvert. | | | |
| 3622 | 905.18 | In NW 1/4 Sec 34-80-23, on NE 46 St, 0.33 miles S of NE 78 Ave. An IDOT plug in E headwall of RCB culvert. | | | |
| 0040 | 004.00 | In SW 1/4 Sec 34-80-23, on NE 46 St, 970'± N of NE 70 Ave. An IDOT | | | |
| 3619 | 884.66 | plug in E headwall of RCB culvert. | | | |

| | USGS Bench Marks | | | | |
|---------|------------------|---|--|--|--|
| ВМ | Elev. | Description | | | |
| | | In NE 1/4 Sec 9-80-23, on NE 102 Ave, near railroad crossing, 31' S of CL | | | |
| | | of road, 22' W of W rail. A standard disk, stamped "L 33 1934" and set in | | | |
| L-33 | 980.297 | the cop of a concrete post projecting 4" above ground. | | | |
| | | In NW 1/4 Sec 18-80-23, on NE 102 Ave, 560' W of NE Frisk Dr. | | | |
| TT-1- | | On top of SW wing wall of a concrete bridge over Fourmile Creek, | | | |
| WM-1956 | 901.80 | a standard tablet set in a drill hole, stamped "TT 1 WM 1956". | | | |
| | | Near NE cor Sec 17-80-23, on NE 102 Ave, 30' S, 32' W of and 1.1' lower | | | |
| | | than intersection at NE 46 St. In the top of concrete post, a USC&GS and | | | |
| 77-1054 | 976.607 | State Survey disk stamped "77-1054" | | | |
| | | In SE 1/4 Sec 9-80-23, on NE 102 Ave, 50' W of W rail of railroad tracks, 21' N of CL of road. A USGS satandard cap, stamped "9807" and riveted | | | |
| 9807 | 1003.184 | on the top of a 3 1/2" iron pipe. | | | |
| 9607 | 1003.104 | In NE 1/4 Sec 21-80-23, on NE 94 Ave at Enterprise, near railroad | | | |
| | | crossing. 70' SE of of the SE rail of the main track, 43' S of the CL of NE | | | |
| | | 94 Ave, a standard disk, stamped "K 33 1934" and set in the top of a | | | |
| K-33 | 1002.632 | concrete post projecting about 2 inches above the ground. | | | |
| | | | | | |
| | | Near NE cor Sec 22-80-23, on NE 94 Ave at intersection of NE 56 St. 300' | | | |
| TT-2- | | S and 31' W of and 6.2' lower than the center of intersection, 1' E of fence, | | | |
| WM-1956 | 980.016 | in a concrete post, a standard tablet stamped "TT 2 WM 1956" | | | |
| | | Near 1/4 cor Sec 33-80-23, on NE 78 Ave at railroad crossing. On the SE | | | |
| | | corner of concrete culvert headwall, 11.3' E of the E rail. A standard disk, | | | |
| J-33 | 938.856 | stamped "J 33 1934". | | | |
| | | Near the S 1/4 cor Sec 33-80-23, on NE 70 Ave at railroad crossing. 30' of | | | |
| | | centerline of road, 9.3' NE of fence corner, 5.1' E of board fence. A | | | |
| H-33 | 948.128 | standard disk, stamped "H 33 1934" and set in the top of a concrete post projecting about 4 inches above ground. | | | |
| П-33 | 340.120 | projecting about 4 inches above ground. | | | |
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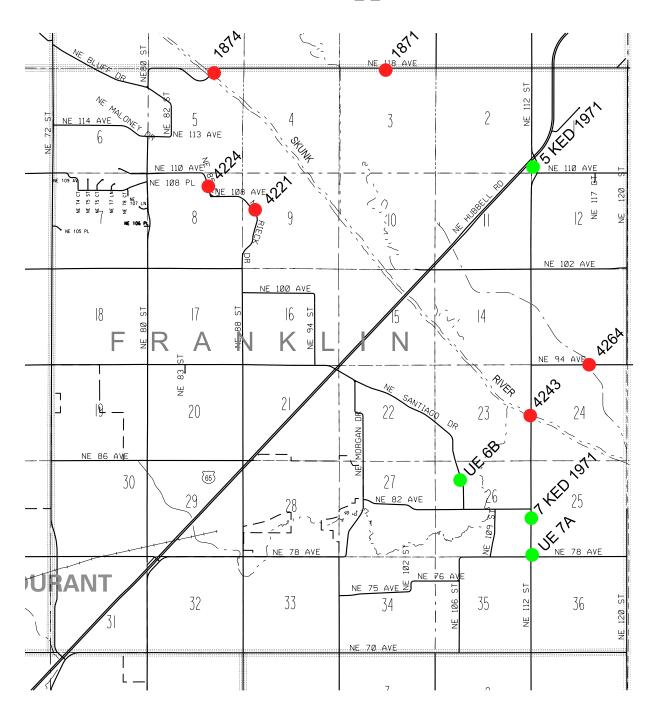
| | | | 1 \ | Z J W | | | |
|------------------------------|--|---------------------------------------|----------------|-------------------------------------|-------------|-----------------|--|
| <u>U</u> | | سر ر | J.J. | NE 118 AVE | 5.5 | 99 NE 119 PL | NE BLUE |
| | - 1-35 0-3 0-3 0-3 0-3 0-3 0-3 0-3 - 0-3 - 0 |) a | NE 46 ST | 2 0 | 2 64 | 72 | 16 18 114 AV 6 |
| `} \E, 10 <u>5</u> ``^ | | 856 1.8 | NE 108 AVE 733 | () NE 102 AVE | II | | 19 A 1 15 15 15 15 15 15 15 15 15 15 15 15 1 |
| | 18 99 PL 29 NE 99 PL 20 NE 97 SE 20 NE 97 | 1 5 | | L 15A S | L'Sing Voto | 13 | 18 |
| | | 20 NE 86 AVE | 21 | 22 | 23 | 24 | 9_ NE 86 |
|) | 30 = 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | - 1 | 28 | 27 ' 27 ' 28 613 NE 78 AVE | 26 \ | 25 | |
| L <u>NE</u> 76 PL | ANKENY REGIONAL AIRPORT | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 33365V | 34 NE 70 AVE | 35 | BONDUR. | ANT |
| | | 3 | } | | | X | · |

T-80N

T-80-N, R-22-W

| | Polk County Bench Marks | | | | |
|------|-------------------------|--|--|--|--|
| BM | Elev. | Description | | | |
| | | Near N 1/4 cor Sec 5-80-22, on NE 118 Ave. An IDOT plug in top of concrete | | | |
| 1874 | 831.88 | rail at NW corner of bridge over Skunk River. | | | |
| | | Near N 1/4 cor Sec 3-80-22, on NE 118 Ave. An IDOT plug in top of N | | | |
| 1871 | 834.61 | headwall of RCB culvert. | | | |
| | | In NE 1/4 Sec 8-80-22, on NE 85 Ct, 575' N of NE 108 Ave. Top of curb at | | | |
| 4224 | 853.78 | NE corner of bridge. | | | |
| | | In NW 1/4 Sec9-80-22, on NE Rieck Dr, 0.6 miles N of NE 102 Ave. Cut "X" | | | |
| 4221 | 840.88 | on top of NE wing of bridge. | | | |
| | | In NE 1/4 cor Sec 14-80-22, on NE 94 Ave, approx. 540' E of N 1/4 corner. | | | |
| 4264 | 807.84 | Top of curb on SE corner of bridge. | | | |
| | | Near E 1/4 cor Sec 23-80-22, on NE 112 St. IDOT plug in top of concrete | | | |
| 4243 | 815.72 | rail on NW corner bridge over Skunk River | | | |
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| | USGS Bench Marks | | | | |
|---------------|------------------|---|--|--|--|
| ВМ | Elev. | Description | | | |
| 5 KED 1971 | 846.958 | In SE 1/4 Sec 2-80-22, on NE 112 St, SE of intersection of Hwy 65. S end of W headwall of RCB culvert, a standard tablet stamped "5 KED 1971" painted. | | | |
| UE 6B | 869.37 | In NW 1/4 Sec 26-80-22, on NE Santiago Dr at entrance of Franklin Twp Cemetery. 8' N, 52' E of and 0.7' lower than road at cemetery entrance. SW corner of concrete base of N stone gate post at main entrance, chiseled square, not painted. | | | |
| 7 KED 1971 | 857.929 | In SE 1/4 Sec 26-80-22, on NE 112 St, 596' S, 20' E of and 6.8' lower than intersection of NE 82 Ave. Center of E headwall of 4' concrete boc culvert, a standard tablet stamped "7 KED 1971", painted. | | | |
| UE 7A | 910.640 | Near NW cor Sec 36-80-22, on NE 78 Ave, 38' E of and 1.4' lower than intersection of NE 112 St. On S end of a 2' concrete pipe culvert, a chiseled square, painted. | | | |
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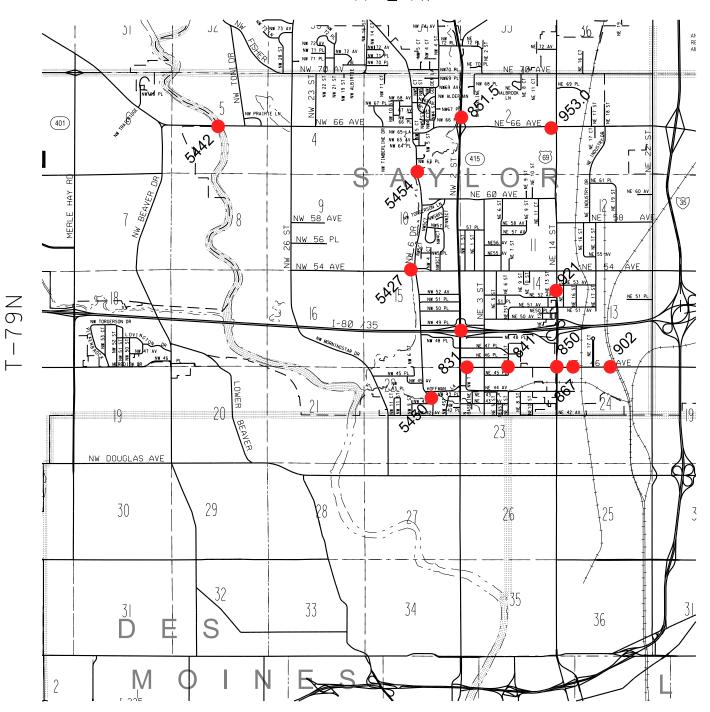


T-80N

T-79-N, R-24-W

| | Polk County Bench Marks | | | | |
|-------|-------------------------|---|--|--|--|
| ВМ | Elev. | Description | | | |
| 5442 | 819.56 | Near Center Sec 5-79-24, on NW 66 Ave.,1200' W of NW Toni Dr. A brass tablet in top of concrete rail at SE corner of bridge over Des Moines River. | | | |
| | | Near W 1/4 Cor Sec 2-79-24 on NW 2 St, 535' N of NW 66 Ave., 55' E of CL of Northbound lane of NW 2 St. An IDOT plug in the top of E headwall of RCB | | | |
| 851.5 | 851.468 | culvert on tributary to Saylor Creek. | | | |
| 953.0 | 952.95 | Near E 1/4 Cor Sec 2-79-24 on NE 66 Ave at NE 14St. Top of guardrail post at NE corner of building in SW quadrant of intersection. | | | |
| 5454 | 828.78 | Near S 1/4 Cor Sec 3-79-24, on NW 6 Dr., 0.35 miles N of NE 60 Ave. An IDOT plug on E headwall of RCB culvert on Saylor Creek. | | | |
| 5427 | 813.69 | Near S 1/4 Cor Sec 10-79-24, on NW 54 Ave, just W of NW 6 Dr. An IDOT plug on N headwall of RCB culvert on Saylor Creek. | | | |
| 5450 | 812.51 | In NE 1/4 Sec 22-79-24 on NW 6 Dr, 475' S of NW Hoffman Ln. Top of N end of W headwall of RCB culvert on Walfley Creek. | | | |
| 831 | 831.93 | Near NW Cor Sec 23-79-24 on NW 46 Ave at NW 1 St. RR Spk in power pole in SW quad of intersection. | | | |
| 841 | 841.36 | Near N 1/4 Cor Sec 23-79-24 on NE 46 Ave at NW 7 St. RR Spk in power pole in NE quad of intersection. | | | |
| 850 | 849.86 | Near NE Cor Sec 23-79-24, on NE 46 Ave at NE 14 St. SW bolt on overhead sign post in NW quad of intersection. | | | |
| 867 | 867.34 | In NW 1/4 Sec 24-79-24, on NE 46 Ave, 840' E of intersection at NE 14 St. RR Spk in power pole, 44' S of CL NE 46 Ave. | | | |
| 902 | 901.88 | In NE 1/4 Sec 24-79-24, on NE 46 Ave, approx 2050' W of NE 22 St. NE bolt on railroad signal base, 18' S of CL of NE 46 Ave and 15' W of W rail of railroad tracks. | | | |
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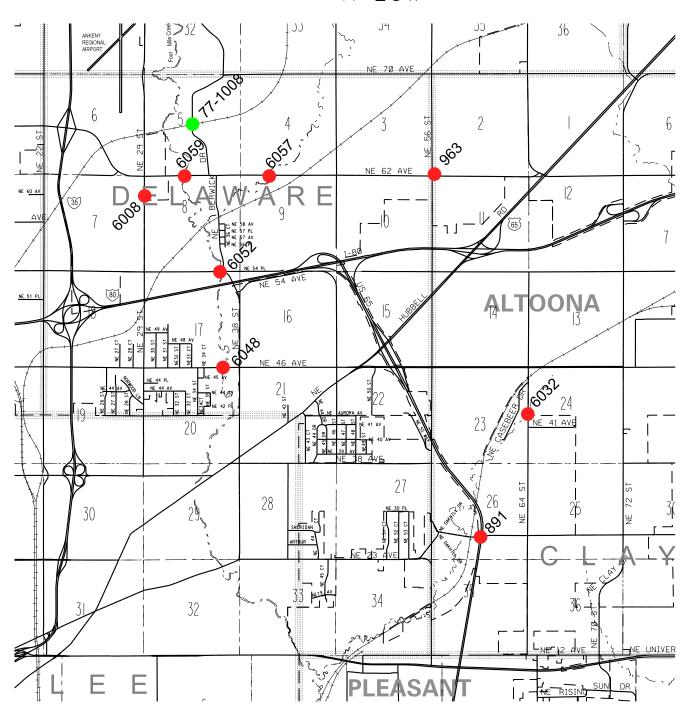
| | USGS Bench Marks | | | | |
|----|------------------|-------------|--|--|--|
| ВМ | Elev. | Description | | | |
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T-79-N, R-23-W

| | Polk County Bench Marks | | | | |
|------|-------------------------|---|--|--|--|
| BM | Elev. | Description | | | |
| 6008 | 855.54 | In NE 1/4 of Sec 7-79-23, on NE 29 St., 1000' S of NE 62 Ave. An IDOT plug in the W headwall of a RCB culvert. | | | |
| 6052 | 844.01 | In SE 1/4 of Sec 8-79-23, on NE 54 Ave, 300' W of NE Berwick Dr. An IDOT plug in top of concrete rail at NW corner of bridge over Fourmile Creek. | | | |
| 6048 | 842.88 | In SE 1/4 of Sec 17-79-23, on NE 46 Ave, 800' W of NE 38 St. An IDOT plug in top of concrete rail at NE corner of bridge over Fourmile Creek. | | | |
| 6059 | 861.94 | In SW 1/4 of Sec 5-79-23, on NE 62 Ave, 1/4 mile W of Berwick Dr (North). A cut "X" on top of the concrete curb at SW corner of bridge over Fourmile Creek. | | | |
| 6057 | 863.07 | In SW 1/4 of Sec 4-79-23, on NE 62 Ave, 1/2 mile E of NE Berwick Dr (South). A cut "X" on top of the concrete curb at SE corner of bridge over Muchikinock Creek. | | | |
| 963 | 963.038 | Near SW Cor Sec 2-79-23, in NE quadrant of intersection of NE 56 St & NE 62 Ave. Top of NW bolt on high transmission pole base. | | | |
| 891 | 890.790 | In SE 1/4 Sec 26-79-23, on US Hwy 65. An IDOT plug on NW corner of Southbound bridge over NE 27 Ave. | | | |
| 6032 | 886.61 | In NW 1/4 of Sec 24-79-23, on NE 64 St., 725' N of NE 41 Ave. Top center of East headwall of RCB culvert on East Fourmile Creek. | | | |
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| | USGS Bench Marks | | | | |
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| ВМ | Elev. | Description | | | |
| 77-1008 | 901.481 | Near the Center of Sec 5-79-23, on NE Berwick Dr., at the wood bridge overpass on a railroad. 12' E of bridge pile N of tracks, 25.4' NE of bridge pile S of tracks, 6' N of N rail. A State Survey Standard Disk, stamped "77-1008" and set in the top of a concrete post. | | | |
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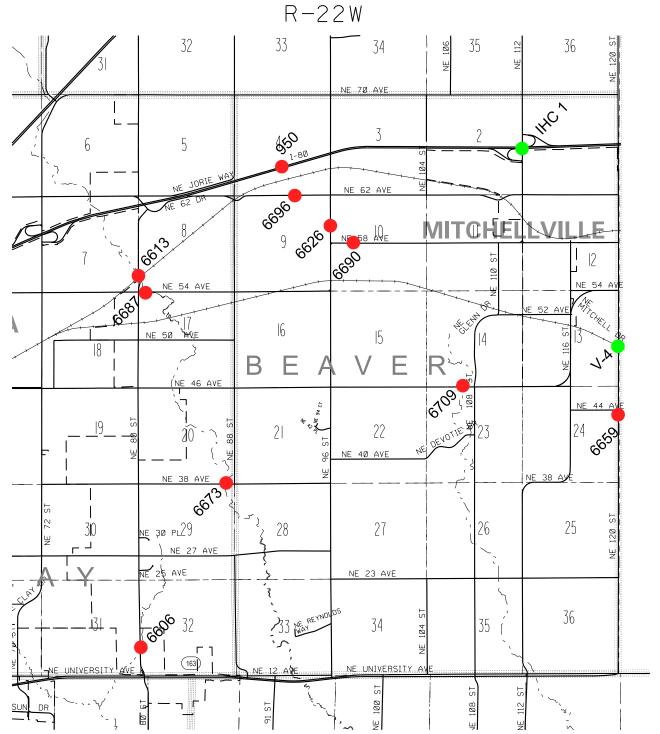


7-79N

T-79-N, R-22-W

| | Polk County Bench Marks | | | | |
|------|-------------------------|--|--|--|--|
| BM | Elev. | Description | | | |
| | | In SE 1/4 Sec 7-79-22, on NE 80 St., 900' N of NE 54 Ave., 80' N of railroad | | | |
| 6613 | 905.00 | @ CL of road. An IDOT plug on the inlet headwall of a RCB culvert. | | | |
| | | In SE 1/4 Sec 32-79-22, on NE 80 St, 1750' N of NE Univeristy Ave. | | | |
| 6673 | 867.36 | A cut "X" on the top of the concrete rail at SE corner of bridge. | | | |
| | | In SE 1/4 Sec 20-79-22, on NE 38 Ave, 540' W of NE 88 St. An IDOT plug on | | | |
| 6606 | 885.12 | the top of the concrete rail at NW corner of bridge. | | | |
| | | In SE 1/4 Sec 4-79-22, on Interstate 80, Sta 2540±, near | | | |
| 950 | 949.99 | 1/4 section line. IDOT plug in inlet headwall of RCB culvert. | | | |
| | | In NE 1/4 Sec 10-79-22, on NE 58 Ave, 1/4 mile E of NE 96 St. | | | |
| 6690 | 913.95 | An IDOT plug in inlet headwall of RCB culvert on Camp Creek. | | | |
| | | In NE 1/4 Sec 9-79-22, on NE 88 St, 750' N of NE 58 Ave. Top of inlet | | | |
| 6626 | 921.771 | headwall of RCB culvert on Camp Creek. | | | |
| | | In NW 1/4 Sec 23-79-22, on NE 46 Ave., 700' W of NE 80 St. Cut "X" on | | | |
| 6709 | 882.77 | center of S handrail on arch bridge over Camp Creek. | | | |
| | | In NE 1/4 Sec 24-79-22, on NE 120 St, 150 S of NE 44 Ave. A chiseled | | | |
| 6659 | 902.58 | square on center, top of E concrete curb on bridge. | | | |
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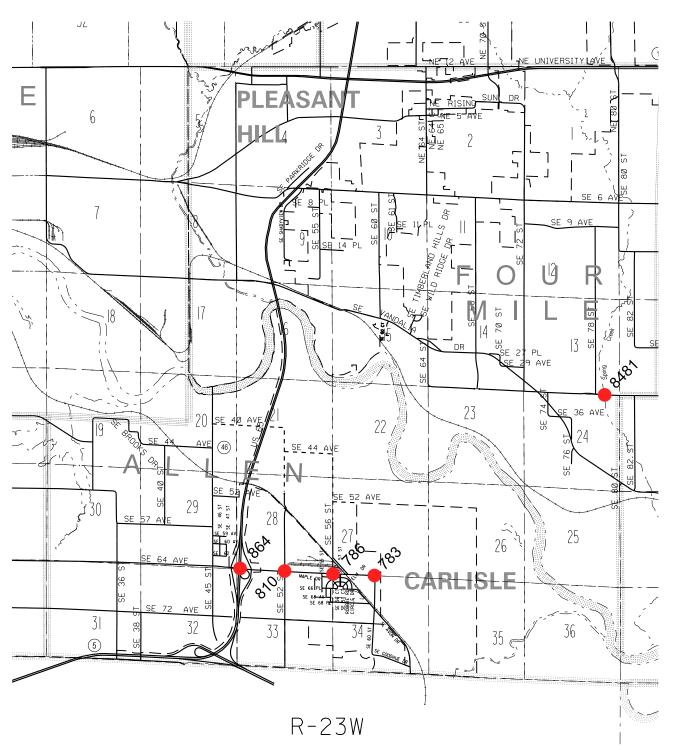
| | USGS Bench Marks | | | | | |
|-------|------------------|---|--|--|--|--|
| ВМ | Elev. | Description | | | | |
| IHC 1 | 989.745 | Near E 1/4 corner Sec 2-79-22, on NE 112 St, 18' E and 0.9' lower than center of bridge over Interstate 80, appraximately center of E end of N abutment of bridge. A 1.5 in. disk, stamped IHC Designated IHC 1, painted. | | | | |
| V-4 | 951.34 | Near E 1/4 corner Sec 13-79-22, on NE 120 St, on railroad line near Polk/Jasper County line, 9' W of the W line of a N & S road fenced 50' wide and 44' SW of the centerline of the track. A standard disk, stamped "951.340 V 4 1930" and set in the top of a concrete post. | | | | |
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T-78-N, R-23-W

| | Polk County Bench Marks | | | | |
|------|-------------------------|--|--|--|--|
| BM | Elev. | Description | | | |
| 864 | 864.12 | Near SW corner Sec 28-78-23. An IDOT plug on NE wing of bridge on Northbound lane of US Hwy 65 over SE 64 Ave. | | | |
| 810 | 810.307 | Near SE corner Sec 28-78-23. A RR Spk on power pole in SW quandrant of intersection of SE 64 Ave & SE 52 St | | | |
| | | Near S 1/4 corner Sec 28-78-23. A RR Spk on power pole in | | | |
| 786 | 786.010 | NE quandrant of intersection of SE 64 Ave & SE 56 St. | | | |
| 783 | 783.300 | Near S 1/4 corner Sec 27-78-23. A RR Spk on corner post in NE quandrant of intersection of SE 64 Ave & SE 60 St. | | | |
| 8481 | 799.87 | In SE 1/4 Sec 13-78-23, on SE 32 Ave, 400' E of SE 78 St. A bolt in the top of a concrete curb at the NW corner of the bridge over Spring Creek. | | | |
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| USGS Bench Marks | | | | |
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| ВМ | Elev. | Description | | |
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T-78-N, R-22-W

| Polk County Bench Marks | | | | |
|-------------------------|--------|--|--|--|
| ВМ | Elev. | Description | | |
| 9000 | 795.12 | In SW 1/4 Sec 19-78-22, on SE 82 St., 0.3 miles N of SE Vandalia Rd. An IDOT plug in the top of the SW wing of bridge over Spring Creek. | | |
| 9149 | 781.58 | In SW 1/4 Sec 19-78-22, on SE Vandalia Rd., 850' W of SE 82 St. A RR Spk in the top of the NW wing of bridge over Spring Creek. | | |
| 9166 | 816.56 | Near S 1/4 corner Sec 18-78-22, on SE 32 Ave, 125' E of 1/4 Section Corner. An IDOT plug in top of N headwall of RCB culvert. | | |
| 9200 | 826.10 | In NW 1/4 Sec 4-78-22, on NE 3 Ave., 1/4 mile W of SE 100 St. An IDOT plug in the top of the NE wing of bridge over Mud Creek. | | |
| 9192 | 821.86 | In SW 1/4 Sec 4-78-22, on SE 6 Ave., 200' W of S 1/4 corner. An IDOT plug in the top of the NE wing of bridge over Mud Creek. | | |
| 9159 | 800.98 | Near the SW corner Sec 15-78-22, on SE 32 Ave., just E of SE 104 St. An IDOT plug in the top of the NW wing of bridge over Mud Creek | | |
| 9158 | 815.34 | In SE 1/4 Sec 15-78-22, on SE 32 Ave., 1/4 mile E of SE 108 St. An IDOT plug in top of N headwall of RCB culvert. | | |
| 9153 | 794.78 | In NW 1/4 Sec 24-78-22, on SE 36 Ave., just W of SE 124 St. An IDOT plug in the top of the NW wing of bridge over Camp Creek. | | |
| 794 | 793.79 | In SW 1/4 Sec 29-78-22, on SE Vandalia Rd., 1/4 mile S of SE 56 Ave. An "X" on top of E headwall of RCB culvert. | | |
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| USGS Bench Marks | | | | |
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