APPANOOSE COUNTY GPS CONTROL SURVEY MARK DESCRIPTIONS

APPANOOSE COUNTY IOWA

GPS SURVEY CONTROL

October 1998

Horizontal Datum:
IOWA HARN
NAD88 (1996), Iowa South Zone

Vertical Datum: NAVD88 (Geoid96, GPS Derived Elevations)

Appanoose County Engineer's Office Centerville, Iowa 52544 515 856-6193

ADJUSTMENT DATE APRIL 22, 1999

Name	Number	Latitude	Longitude	Ellipsoid	SP North	SP East	Elevation	Scale	Convergence F
				Height(m)	Meters	Meters	Meters	Factor	Angle
712036 2	6010	N 40' 53' 59.70221"	N 93' 05' 52.75290"	267.793	100012.426	533873.151	299.57	0.99996209	+ 0' 15' 53.30"
711831 3	6023	N 40' 54' 07.20139"	N 92' 58' 59.51957"	272.409	100294.829	543543.497	304.29	0.99996190	+ 0' 20' 25.50"
711836 2	6036	N 40' 54' 02.71522"	N 92' 52' 07.10938"	271.330	100220.153	553196.575	303.36	0.99996202	+ 0' 24' 57.16"
701701 i	6049	N 40' 53' 54.85624"	N 92' 45' 37.79661"	231.343	100049.540	562310.225	263.54	0.99996221	+ 0' 29' 13.60"
93-01	6062	N 40' 53' 55.64907"	N 92' 38' 20.06191"	250.490	100168.259	572555.075	282.86	0.99996219	+ 0' 34' 01.93"
701613 3	8001	N 40' 51' 29.28452"	N 92° 39' 18.86273"	249.227	95640.136	571222.713	281.58	0.99996616	+ 0' 33' 23.20"
691601 4	8002	N 40' 48' 42.25239"	N 92' 38' 58.67530"	256.484	90492.640	571745.852	288.84	0.99997130	+ 0' 33' 36.50"
691613 3	8003	N 40' 46' 09.61193"	N 92° 39° 26.96402"	247.110	85778.004	571128.497	279.45	0.99997656	+ 0' 33' 17.86"
691636 2	8004	N 40' 43' 32.06010"	N 92° 38' 20.18857"	263.271	80933.682	572742.523	295.64	0.99998256	+ 0' 34' 01.85"
681624 1	8005	N 40' 40' 55.34600"	N 92° 38' 51.92141"	256.562	76092.533	572045.242	288.93	0.99998910	+ 0° 33' 40.95"
671506 4	8006	N 40' 38' 16.11675"	N 92° 38' 17.24710"	264.658	71189.171	572908.111	297.04	0.99999634	+ 0' 34' 03.79"
671519 4	8007	N 40' 35' 37.41239"	N 92° 38' 16.01030"	263.158	66294.264	572985.698	295.54	1.00000413	+ 0° 34' 04.60"
671621 1	8008	N 40° 35' 36.43972"	N 92' 41' 59.87717"	246.594	66213.966	567722.232	278.92	1.00000418	+ 0' 31' 37.14"
671604 1	8009	N 40' 38' 09.80275"	N 92' 41' 43.61785"	252.947	70947.964	568060.781	285.27	0.99999663	+ 0' 31' 47.85"
681616 2	8010	N 40' 40' 55.31952"	N 92' 41' 43.13362"	263.561	76053.424	568024.928	295.87	0.99998911	+ 0' 31' 48.17"
691634 3	8011	N 40' 43' 32.83476"	N 92' 41' 43.52178"	268.338	80911.891	567970.872	300.63	0.99998253	+ 0' 31' 47.91"
691616 2	8012	N 40' 46' 07.61970"	N 92° 41' 45.28627"	261.542	85685.850	567885.330	293.83	0.99997664	+ 0' 31' 46.75"
701633 2	8013	N 40' 48' 46.02608"	N 92' 41' 45.59804"	259.977	90571.837	567832.854	292.27	0.99997118	+ 0" 31' 46.55"
701616 3	8014	N 40° 51' 32.73691"	N 92' 42' 36.30086"	248.851	95703.176	\$66597.923	281.12	0.99996606	+ 0' 31' 13.15"
701603 4	8015	N 40° 53' 49.74798"	N 92' 41' 46.42681"	246.658	99940.015	567726.861	278.95	0.99996234	+ 0' 31' 46,00"
701724 1	8016	N 40° 51' 21.72217"	N 92' 45' 13.96480"	264.301	95330.820	562908.525	296.51	0.99996638	+ 0' 29' 29.29"
701631 3	8017	N 40' 48' 45.56278"	N 92' 44' 53.50336"	224.352	90518.163	563429.365	256.57	0.99997119	+ 0' 29' 42.77"
691713 2	8018	N 40' 46' 07.57920"	N 92° 45' 25.65199"	268.823	85638.646	562717.568	301.03	0.99997664	+ 0' 29' 21.60"
681701 1	8019	N 40° 43' 30.84730"	N 92° 45° 28.33482"	253.540	80803.683	562695.901	285.76	0.99998261	+ 0' 29' 19.83"
681619 4	8020	N 40° 40' 50.93995"	N 92' 45' 10.82686"	224.400	75874.834	563149.109	256.64	0.99998930	+ 0' 29' 31.36"
671701 1	8021	N 40' 38' 13.77810"	N 92° 45' 16.18864"	236.984	71026.078	563064.752	269.24	0.99999645	+ 0' 29' 27.83"
671724 1	8022	N 40° 35' 34.10791"	N 92' 45' 28.37380"	259.831	66098.581	562820.450	292.08	1.00000430	+ 0' 29' 19.80
671716 2	8023	N 40° 35' 41.63181"	N 92' 48' 35.76037"	273.601	66294.384	558412.508	305.79	1.00000391	+ 01 271 16.37

ADJUSTMENT DATE APRIL 22, 1999

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Name	Number	Latitude	Longitude	Ellipsoid Height(m)	SP North Meters	SP East Meters	Elevation Meters	Scale Factor	Convergence Angle
681734 3	8024	N 40' 38' 18.04081"	N 92° 48' 23.95008"	268.520	71121.071	558651.744	300.70	0.99999624	+ 0' 27' 24.15"
681716 2	8025	N 40° 40° 54.44068"	N 92' 48' 42.60989"	264.613	75941.788	558175.121	296.78	0.99998914	+ 0' 27' 11.86"
681704 1	8026	N 40' 43' 31.11292"	N 92' 48' 45.82530"	254.951	80773.796	558061.432	287.11	0.99998260	+ 0' 27' 09.74"
691721 4	8027	N 40° 46' 07.81817"	N 92' 49' 12.32921"	228.125	85602.541	557401.695	260.26	0.99997663	+ 0° 26' 52.28"
691704 4	8028	N 40' 48' 41.27466"	N 92' 49' 13.50928"	255.180	90335.757	557337.039	287.29	0.99997133	+ 0° 26' 51.51"
701715 3	8029	N 40' 51' 23.83805"	N 92' 48' 40.02797"	272.552	95356.276	558081.992	304.67	0.99996632	+ 0' 27' 13.56"
701704 1	8030	N 40' 53' 47.66682"	N 92' 48' 41.60481"	270.469	99792.466	558009.949	302.59	0.99996240	+ 0' 27' 12.52"
701718 3	8031	N 40' 51' 23.16578"	N 92° 52' 05.37472"	264.285	95299.028	553272.924	296.32	0.99996634	+ 0° 24' 58.30"
691801 i	8032	N 40' 48' 42.12010"	N 92' 52' 31.92251"	230.309	90326.978	552686.835	262.35	0.99997130	+ 0" 24' 40.81"
691813 2	8033	N 40' 46' 07.79639"	N 92' 52' 05.33534"	266.756	85571.276	553344.510	298.83	0.99997663	+ 0 24 58.32"
681706 4	8034	N 40' 43' 24.62836"	₦ 92° 51' 49.83179"	273.504	80540.927	553744.897	305.59	0.99998286	+ 0" 25' 08.54"
681813 2	8035	N 40° 40' 56.88930"	N 92' 52' 04.66068"	275.290	75981.311	553430.017	307.38	0.99998904	+ 0' 24' 58.77"
681836 3	8036	N 40° 38' 19.04734"	N 92' 53' 11.12600"	272.658	71101.423	551903.634	304.75	0.99999620	+ 0' 24' 14.99"
671719 1	8037	N 40' 35' 35.88130"	N 92' 51' 10.60249"	232.054	66089.023	\$\$4773.0\$8	264.19	1.00000421	+ 0" 25" 34.38"
671822 1	8038	N 40' 35' 29.50636"	N 92' 54' 28.96476"	278.431	65859.165	\$50110.215	310.50	1.00000453	+ 0' 23' 23.72"
671804 1	8039	N 40' 38' 12.02313"	N 92' 55' 28.89258"	276.538	70862.634	548667.908	308.58	0.99999653	+ 0' 22' 44.24"
681821 1	8040	N 40' 40' 53.95599"	N 92° 55′ 32.46232"	277.947	75856,993	548551.045	309.97	0.99998917	+ 0" 22" 41.89%
681804 1	8041	N 40' 43' 30.14355"	N 92° 55' 39.06979"	265.237	80673.671	548364.179	297.24	0.99998264	+ 0 22' 37.54"
691816 2	8042	N 40' 46' 07.53902"	N 92' 55' 31.66479"	256.152	85529.782	548505.882	288.14	0.99997664	+ 0' 22' 42.41"
691803 4	8043	N 40' 48' 43.74796"	N 92° 55° 24.66485"	269.012	90349.242	548638.106	300.99	0.99997125	+ 0' 22' 47.03"
701804 4	8044	N 40' 53' 53.19513"	N 92' 56' 07.32328"	266.982	99887.845	547576.404	298.92	0.99996226	+ 0' 22' 18.93"
701923 1	8045	N 40° 51' 16.24054"	и 93° 00' 08.28628"	258.008	95011.977	541964.243	289.88	0.99996654	+ 0' 19' 40.20"
691806 4	8046	N 40' 48' 43.27733"	N 92' 58' 43.06021"	274.158	90305.383	543988.605	306.06	0.99997127	+ 0' 20' 36.34"
691819 4	8047	N 40' 46' 05.45001"	N 92' 58' 55.45488"	275.585	85435.333	543727.111	307.50	0.99997671	+ 0' 20' 28.18"
691936 2	8048	N 40' 43' 37.45605"	N 92' 58' 57.42158"	281.646	80870.070	543708.142	313.58	0.99998235	+ 0' 20' 26.88"
681913 2	8049	N 40' 40' 53.28607"	N 92° 59' 04.20879"	285.311	75805.180	543578.883	317.26	0.99998919	+ 0' 20' 22.41"
681936 2	8050	N 40' 38' 17.23460"	N 92' 59' 03.44808"	282.939	70991.766	\$43625.286	314.89	0.99999628	+ 0 20' 22.91"
671819 4	8051	N 40' 35' 29.44161"	N 92° 58° 48.44328"	286.393	65818.173	544008.799	318.36	1.00000453	+ 0' 20' 32.80"

ADJUSTMENT DATE APRIL 22, 1999

Name	Number	Latitude	Longitude	Ellipsoid	SP North	SP East	Elevation	Scale	Convergence
				Height(m)	Meters	Meters	Meters	Factor	Angle
671922 4	8052	N 40° 35' 34.84346"	N 93° 02' 04.63149"	291.336	65958.670	539394.678	323.23	1.00000426	+ 0' 18' 23.57"
671903 4	8053	N 40' 38' 16.14823"	N 93' 02' 13.13132"	291.225	70933.180	539168.329	323.11	0.99999633	+ 0' 18' 17.97"
681922 4	8054	N 40' 40' 53.16581"	N 93' 02' 22.18964"	286.731	75775.387	538929.835	318.61	0.99998920	+ 0' 18' 12.00"
691934 2	8055	N 40' 43' 32.85150"	N 93' 01' 48.01796"	279.046	80705.317	539705.655	310.92	0.99998253	+ 0' 18' 34.51"
691921 1	8056	N 40' 46' 05.52724"	N 93' 02' 41.45742"	282.189	85408.068	538426.963	314.03	0.99997671	+ 0' 17' 59.31"
701933 2	8057	N 40' 48' 43.51610"	N 93' 02' 24.68063"	273.953	90283.453	538794.646	305.79	0.99997126	+ 0' 18' 10.36"
701921 1	8058	N 40° 51' 19.99497"	N 93' 02' 44.96764"	273.528	95107.708	538293.994	305.75	0.99996643	+ 0' 17' 57.00"
701903 4	8059	N 40' 53' 53.89776"	N 93' 02' 25.50393"	274.569	99857.405	538724.765	306.40	0.99996224	+ 0' 18' 09.82"
701919 1	8060	N 40' 51' 15.47003"	N 93' 04' 43.92478"	278.361	94954.113	535508.604	310.16	0.99996656	+ 0' 16' 38.64"
691906 1	8061	N 40' 48' 42.64730"	N 93' 04' 59.40205"	273.442	90238.382	535168.698	305.24	0.99997129	+ 0' 16' 28.45"
691918 3	8062	N 40' 46' 05.94708"	N 93' 05' 32.64617"	285.150	85401.108	534412.229	316.95	0.99997670	+ 0' 16' 06.55"
681906 1	8063	N 40' 43' 24.81082"	N 93° 04' 40.73680"	285.825	80436.512	535653.708	317.65	0.99998285	
681919 4	8064	N 40' 40' 52.54483"	N 93' 05' 23.29755"	293.088	75734.947	534677.059	324.91	0.99998923	,
671906 4	8065	N 40' 38' 16.15563"	N 93' 05' 32.38495"	290.327	70909.975	534486.273	327.31	0.99999633	+ 0' 16' 12.71"
671918 3	8066	N 40° 35' 39.74118"	N 93' 05' 50.04203"	287.542	66083.294	534093.707	319.37	1.00000401	+ 0' 16' 06.72"
701815 3	8067	N 40' 51' 30.71100"	N 92' 55' 28.61435"	264.728	95498.735	548511.478	296.69		+ 0' 15' 55.09"
X 7	9663	N 40' 37' 46.22556"	N 92' 55' 06.25763"	282.520	70070.430	549205.108		0.99996612	+ 0' 22' 44.42",
2 KEE	9868	N 40' 53' 29.80250"	N 93' 00' 07.83060"	266.768	99131.895	541951.336	314.57	0.99999776	+ 0' 22' 59.15"
2 KED	9869	N 40' 50' 47.02381"	N 93° 00' 07.42433"	272.503	94110.874		298.63	0.99996286	+ 0' 19' 40.50"
TT 31 E	9870	N 40' 44' 29.72428"	N 93' 01' 49.33339"	262.086		541989.590	304.37	0.99996740	+ 0' 19' 40.77"
TT 23 L	9871	N 40' 36' 07.02940"	N 92' 53' 12.05569"		82459.440	539665.315	293.96	0.99998030	+ 0' 18' 33.64"
22 HK	9872	N 40' 53' 45.63911"		274.523	67029.111	551910.503	306.62	1.00000263	+ 0" 24' 14.38"
J 120	9873			256.816	99757.631	561411.917	289.00	0.99996245	+ 0" 28' 48.25"
, 120	30/3	N 40° 37' 33.63289"	N 92° 38' 34.25460"	270.633	69874.817	572521.397	302.98	0.99999836	+ 0' 33' 52.58"

ADJUSTMENT DATE APRIL 22, 1999

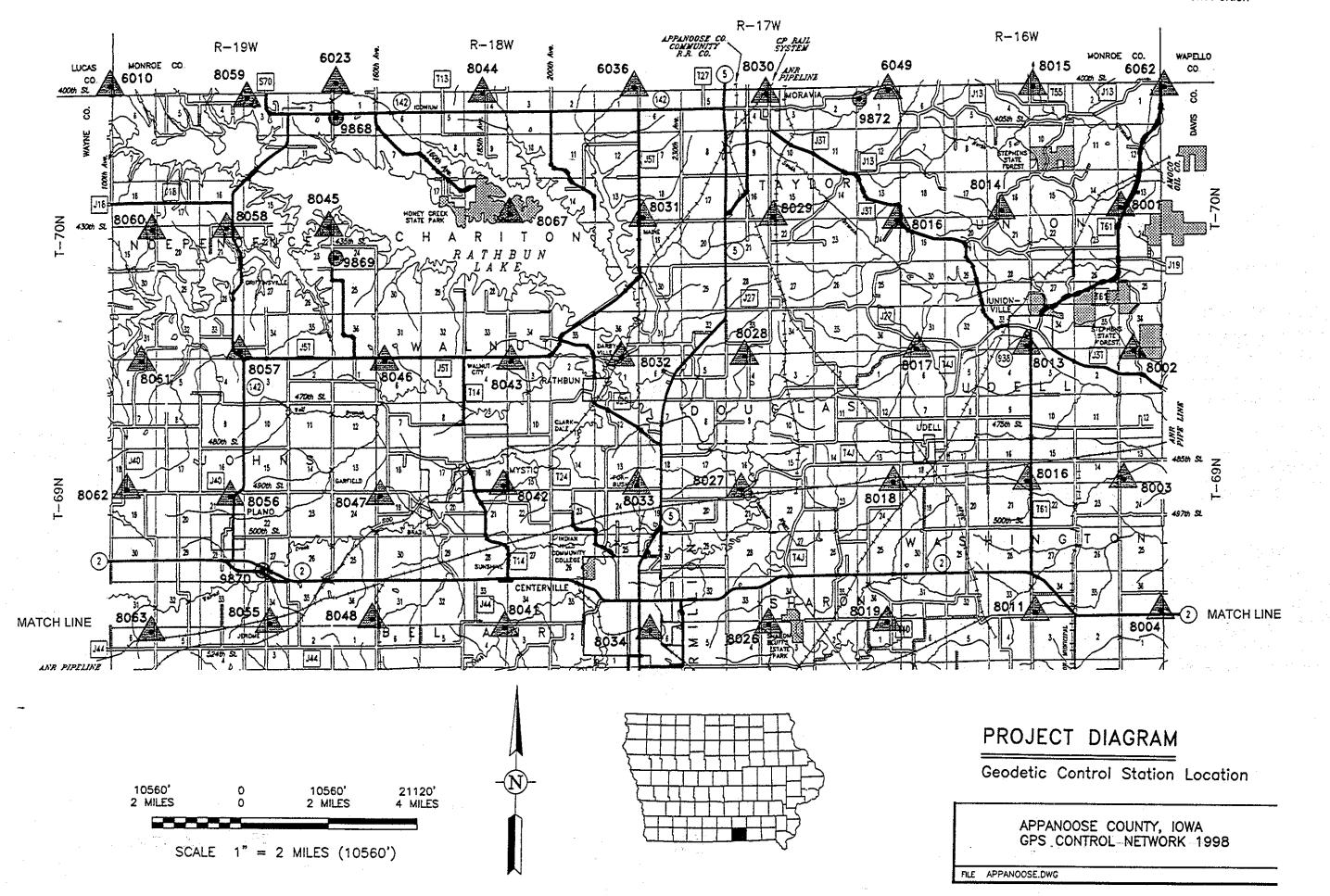
Name	Number	SP North US Feet	SP East US Feet	Elevation US Feet	SP North Meters	SP East Meters	Elevation Meters	Scale Factor	Convergence
						ne cer s	Meters	ractor	Angle
712036 2	6010	328124.10	1751548.83	982.85	100012.426	533873.151	299.57	0.99996209	+ 0' 15' 53.30"
711831 3	6023	329050.62	1783275.62	998.33	100294.829	543543.497	304.29	0.99996190	+ 0' 20' 25.50"
711836 2	6036	328805.62	1814945.77	995.28	100220.153	553196.575	303.36	0.99996202	+ 0° 24° 57.16"
701701 1	6049	328245.87	1844846.13	864.64	100049.540	562310.225	263.54	0.99996221	+ 0 29 13.60"
93-01	6062	328635.36	1878457.78	928.00	100168.259	572555.075	282.86	0.99996219	+ 0° 34' 01.93"
701613 3	8001	313779.35	1874086.52	923.81	95640.136	571222.713	281.58	0.99996616	+ 0 33 23.20"
691601 4	8002	296891.27	1875802.85	947.64	90492.640	571745.852	288.84	0.99997130	+ 0' 33' 36.50"
691613 3	8003	281423.33	1873777.41	916.84	85778.004	571128.497	279.45	0.99997656	+ 0' 33' 17.86"
691636 2	8004	265529.92	1879072.76	969.96	80933.682	572742.523	295.64	0.99998256	+ 0' 34' 01.85"
681624 1	8005	249646.92	1876785.10	947.92	76092.533	572045.242	288.93	0.99998910	+ 0' 33' 40.95"
671506 4	8006	233559.81	1879616.03	974.54	71189.171	572908.111	297.04	0.99999634	+ 0' 34' 03.79"
671519 4	8007	217500.43	1879870.58	969.63	66294.264	572985.698	295.54	1.00000413	+ 0' 34' 04.60"
671621 i	8008	217236.99	1862602.02	915.07	66213.966	567722.232	278.92	1.00000418	+ 0' 31' 37,14"
671604 ı	8009	232768.45	1863712.75	935.91	70947.964	568060.781	285.27	0.99999663	+ 0' 31' 47.85"
681616 2	8010	249518.61	1863595.12	970.69	76053.424	568024.928	295.87	0.99998911	+ 0 31 48.17"
691634 3	8011	265458.43	1863417.77	986.33	80911.891	567970.872	300.63	0.99998253	+ 0° 31° 47.91"
691616 2	8012	281120.99	1863137.12	964.01	85685.850	567885.330	293.83	0.99997664	+ 0° 31' 46.75"
701633 2	8013	297151.10	1862964.96	958.88	90571.837	567832.854	292.27	0.99997118	+ 0' 31' 46.55"
701616 3	8014	313986.17	1858913.35	922.31	95703.176	566597.923	281.12	0.99996606	+ 0' 31' 13.15"
701603 4	8015	327886.53	1862617.21	915.18	99940.015	567726.861	278.95	0.99996234	+ 0' 31' 46.00"
701724 1	8016	312764.53	1846809.05	972.79	95330.820	562908.525	296.51	0.99996638	+ 0 29 29.29"
701631 3	8017	296975.01	1848517.84	841.75	90518.163	563429.365	256.57	0.99997119	+ 0' 29' 42.77"
691713 2	8018	280966.13	1846182.56	987.63	85638.646	562717.568	301.03	0.99997664	+ 0' 29' 21.60"
681701 1	8019	265103.42	1846111.47	937.53	80803.683	562695.901	285.76	0.99998261	+ 0' 29' 19.83"
681619 4	8020	248932.69	1847598.37	842.00	75874.834	563149.109	256.64	0.99998930	+ 0' 29' 31.36"
671701 1	8021	233024.72	1847321.61	883.32	71026.078	563064.752	269.24	0.99999645	+ 0 29 27.83
671724 1	8022	216858.43	1846520.09	958.28	66098.581	562820.450	292.08	1.00000430	+ 0' 29' 19.80"
671716 2	8023	217500.82	1832058.37	1003.24	66294.384	558412.508	305.79	1.00000391	+ 0 27 16.37"
681734 3	8024	233336.38	1832843.26	986.56	71121.071	558651.744	300.70	0.99999624	+ 0' 27' 24.15"

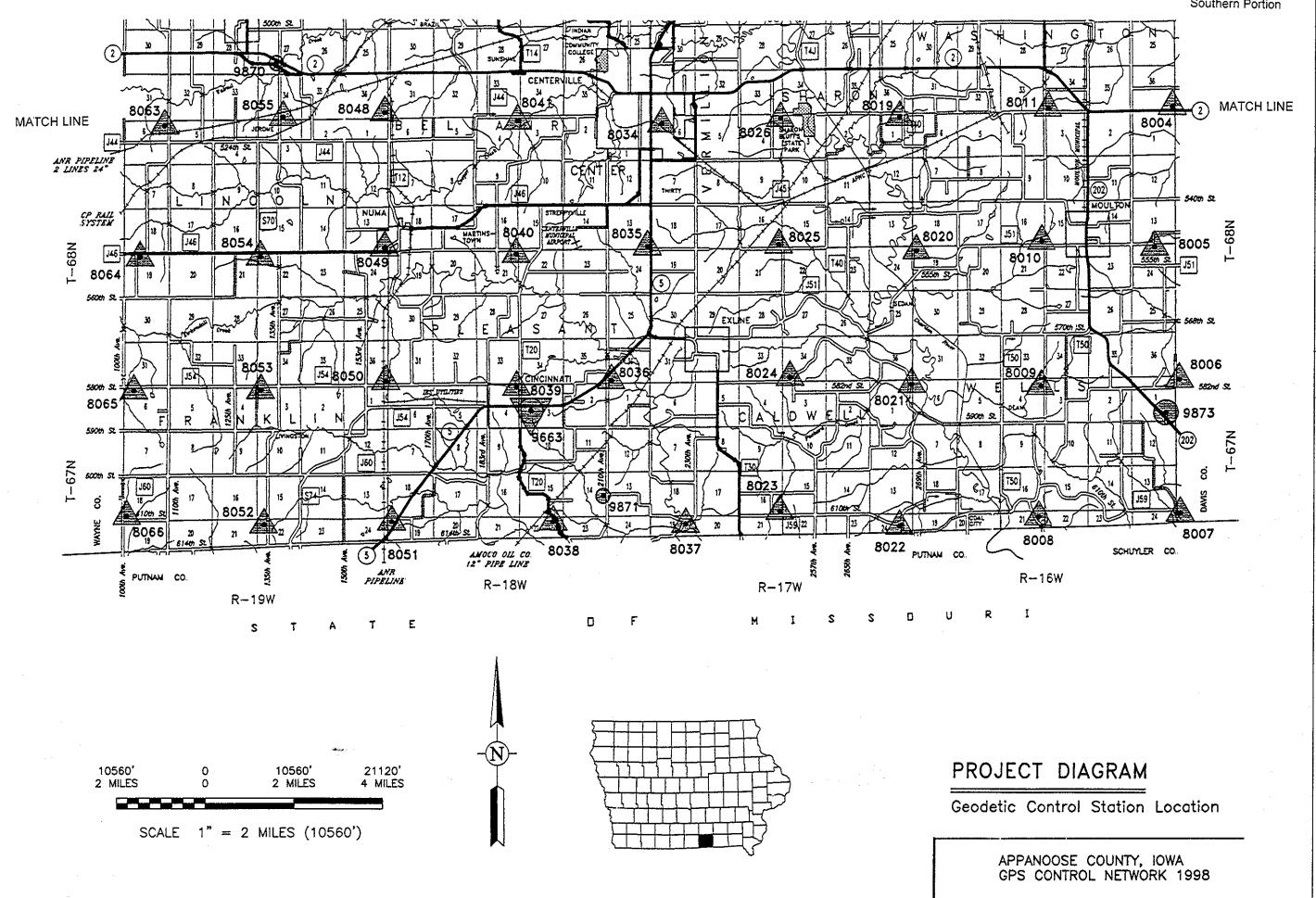
ADJUSTMENT DATE APRIL 22, 1999

Name	Number	SP North	SP East	Elevation	SP North	SP East	Elevation	Scale	Convergence
		US Feet	US Feet	US Feet	Meters	Meters	Meters	Factor	Angle
681716 2	8025	249152.35	1831279.54	973.68	75041 700	***********			
681704 1	8026	265005.36	1830906.55	941.95	75941.788	558175.121	296.78	0.99998914	+ 0' 27' 11.86"
691721 4	8027	280847.67	1828742.06		80773.796	558061.432	287.11	0.99998260	+ 0' 27' 09.74"
691704 4	8028	296376.56		853.86	85602.541	557401.695	260.26	0.99997663	+ 0' 26' 52.28"
701715 3			1828529.94	942.56	90335.757	557337.039	287.29	0.99997133	+ 0' 26' 51.51"
	8029	312848.05	1830974.00	999.57	95356.276	558081.992	304.67	0.99996632	+ 0' 27' 13.56"
701704 1	8030	327402.45	1830737.64	992.74	99792.466	558009.949	302.59	0.99996240	+ 0' 27' 12.52"
701718 3	8031	312660.23	1815196.25	972.17	95299.028	553272.924	296.32	0.99996634	+ 0 24 58.30
691801 1	8032	296347.76	1813273.39	860.73	90326.978	552686.835	262.35	0.99997130	+ 0' 24' 40.81"
691813 2	8033	280745.09	1815431.11	980.40	85571.276	553344.510	298.83	0.99997663	+ 0" 24' 58.32"
681706 4	8034	264241.36	1816744.72	1002.59	80540.927	553744.897	305.59	0.99998286	+ 0' 25' 08.54"
681813 2	8035	249282.02	1815711.65	1008.47	75981.311	553430.017	307.38	0.99998904	+ 0° 24' 58.77"
681836 3	8036	233271.92	1810703.84	999.82	71101.423	551903.634	304.75	0.99999620	+ 0' 24' 14.99"
671719 1	8037	216827.07	1820117.94	866.77	66089.023	554773.058	264.19	1.00000421	+ 0' 25' 34.38"
671822 1	8038	216072.95	1804819.93	1018.70	65859.165	550110.215	310.50	1.00000453	+ 0' 23' 23.72"
671804 1	8039	232488.49	1800087.96	1012.39	70862.634	548667.908	308.58	0.99999653	+ 0' 22' 44.24"
681821 i	8040	248874.15	1799704.55	1016.95	75856.993	548551.045	309.97	0.99998917	+ 0' 22' 41.89"
681804 ±	8041	264676.87	1799091.48	975.19	80673.671	548364.179	297.24	0.99998264	+ 0' 22' 37.54"
691816 2	8042	280608.96	1799556.38	945.35	85529.782	548505.882	288.14	0.99997664	+ 0' 22' 42.41"
691803 4	8043	296420.81	1799990.19	987.49	90349.242	548638.106	300.99	0.99997125	
701804 4	8044	327715.37	1796506.92	980.72	99887.845	547576.404	298.92		+ 0' 22' 47.03"
701923 1	8045	311718.46	1778094.35	951.05	95011.977	541964.243		0.99996226	+ 0' 22' 18.93"
691806 4	8046	296276.91	1784735.95	1004.14	90305.383		289.88	0.99996654	+ 0' 19' 40.20"
691819 4	8047	280299.09	1783878.03	1008.86		543988.605	306.06	0.99997127	+ 0' 20' 36.34"
691936 2	8048	265321.22			85435.333	543727.111	307.50	0.99997671	+ 0' 20' 28.18"
681913 2			1783815.80	1028.79	80870.070	543708.142	313.58	0.99998235	+ 0' 20' 26.88"
	8049	248704.16	1783391.72	1040.86	75805.180	543578.883	317.26	0.99998919	+ 0' 20' 22.41"
681936 2	8050	232912.15	1783543.96	1033.11	70991.766	543625.286	314.89	0.99999628	+ 0' 20' 22.91"
671819 4	8051	215938.46	1784802.20	1044.48	65818.173	544008.799	318.36	1.00000453	+ 0' 20' 32.80"
671922 4	8052	216399.40	1769664.04	1060.46	65958.670	539394.678	323.23	1.00000426	+ 0' 18' 23.57"
671903 4	8053	232719.94	1768921.43	1060.08	70933.180	539168.329	323.11	0.99999633	+ 0' 18' 17.97"

ADJUSTMENT DATE APRIL 22, 1999

Name	Number	SP North	SP East	Elevation	SP North	SP East	Elevation	Scale	Convergence
		US Feet	US Feet	US Feet	Meters	Meters	Meters	Factor	Angle
681922 4	8054	248606.42	1768138.97	1045.30	75775.387	538929.835	318.61	0.99998920	+ 0' 18' 12.00"
691934 2	8055	264780.69	1770684.30	1020.08	80705.317	539705.655	310.92	0.99998253	+ 0' 18' 34.51"
691921 1	8056	280209.64	1766489.13	1030.29	85408.068	538426.963	314.03	0.99997671	+ 0' 17' 59.31"
701933 2	8057	296204.96	1767695.43	1003.25	90283.453	538794.646	305.79	0.99997126	+ 0' 18' 10.36"
701921 1	8058	312032.54	1766052.88	1001.82	95107.708	538293.994	305.36	0.99996643	+ 0' 17' 57.00"
701903 4	8059	327615.50	1767466.17	1005.23	99857.405	538724.765	306,40	0.99996224	+ 0' 18' 09.82"
701919 1	8060	311528.62	1756914.48	1017.57	94954.113	535508.604	310.16	0.99996656	+ 0' 16' 38.64"
691906 1	8061	296057.09	1755799.30	1001.44	90238.382	535168,698	305.24	0.99997129	+ 0' 16' 28.45"
691918 3	8062	280186.80	1753317.46	1039.86	85401.108	534412.229	316.95	0.99997670	+ 0' 16' 06.55"
681906 1	8063	263898.79	1757390.54	1042.15	80436.512	535653.708	317.65	0.99998285	. =
681919 4	8064	248473.74	1754186.32	1065.97	75734.947	534677.059	324.91	0.99998923	
671906 4	8065	232643.81	1753560.38	1056.92	70909.975	534486.273	322.15	0.99999633	. =
671918 3	8066	216808.28	1752272.44	1047.79	66083.294	534093.707	319.37	1.00000401	
701815 3	8067	313315.43	1799574.74	973.39	95498.735	548511.478	296.69	0.99996612	+ 0° 15' 55.09" + 0° 22' 44.42"
X 7	9663	229889.40	1801850.42	1032.06	70070,430	549205.108	314.57	0.99999776	
2 KEE	9868	325235.23	1778052.01	979.76	99131.895	541951.336	298.63	0.99996286	
2 KED	9869	308762.09	1778177.51	998.60	94110.874	541989.590	304.37	0.99996740	+ 0' 19' 40.50"
TT 31 E	9870	270535.68	1770551.95	964.42	82459.440	539665.315	293.96	0.99998030	+ 0' 19' 40.77"
TT 23 L	9871	219911.34	1810726.37	1005.96	67029.111	551910.503	306.62	1.00000263	+ 0' 18' 33.64"
22 HK	9872	327288.16	1841898.93	948.17	99757.631	561411.917	289.00	0.99996245	+ 0' 24' 14.38"
J 120	9873	229247.63	1878347.29	994.02	69874.817	572521.397	302.98	0.99999836	+ 0° 28' 48.25" + 0° 33' 52.58"





FILE APPANOOSE.DWG

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER MONROE COUNTY, IOWA

DESIGNATION	712	036 2	G	PS No.	6010	_ COUNTY		LUCAS	STATE	IOWA
LOCATED IN SECT	ION <u>36</u>	TWP	71 N	RGE	20 W	USGS QUA	ND MAP		MELRO	SE
TO REACH FROM	THE INTER	SECTION	OF COL	JNTY R	OAD S70	(TRAGEE	STREE	T) AND CO	DUNTY ROAL	H44 (ERIN
AVE.), IN MELRO	SE; GO SO	OUTH 4.45	MILES	ON S70	TO COU	NTY ROAD	H54; TI	HEN WEST	ON H54 FO	R 2.0 MILES
TO GRAVEL ROA	AD AT LUCA	AS - MONE	ROE COL	JNTY LI	NE; THE	N SOUTH	0.9 MILE	TO MARK	AT TOP OF	SLOPE.
SET ON PRIVATE	E PROPERT	Y WITH C	OWNER'S	PERM	ISSION					
TYPE OF MARK	3-1/4" ALUN	INUM DIS	SK SET II	N 12" DI	AMETER	POURED-	IN-PLAC	E CONCRI	ETE MONUM	ENT.
☐ RECOVERED ■	SET BY	DENI A	ASSOCIA	ATES, IN	IC., FT. N	MYERS, FL	DA	.TE	ОСТОВЕ	R 1996
HORIZONTAL VALU										
IOWA COORDINATE	E SYSTEM, S	OUTH ZO	NE GRID			SCALE FA	CTOR: _		0.999962	09
COORDINATES (US	FEET)					COORDINA	ATES (ME	TERS)		
NORTHING (Y)		328124.10)		_	NORTHING	(Y)	············	100012.426	<u> </u>
EASTING (X)	1	751548.83	3		_	EASTING ((X)		533873.151	
									·····	,
TIES No. 1 - 18'				ļ		- /		i		
No. 2 - 35.8'			,		_					
No. 3 - 129'			1/4	1/2]	 		Ţ	
No 4 - 36.4'			18/	' [M0.3					SECTION
No. 5 - 65.5'			181		FACE	. OF DPOST	ľ		_	
		,	18/		10001		i			
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NC		1/4	- N			li				[]
	GRASS INE	111	7/3				NO. 5			
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NO. 2 W	JITKIES	s' (ON TO	Λ	FACE	ا ا				(N)
	OST, 7				POWE		***			\mathcal{T}
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						1 ''	16		Ī	
2 STORY FRA		Æ				20	BO			SKETCH
MANSARD R						0	\$		1	BY DSW
-		- /				77	202			
-/	 }					ı	•	•	1	DENI 9609001

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER MONROE COUNTY, IOWA

DESIGNATION	711831	13	_GPS No	6023	_ COUNTY _	MONROE	STATE _	IOWA
LOCATED IN SECTION	31 TV	VP 71 N	RGE	18 W	USGS QUAD N	IAP	ICONIU	<u>M</u>
TO REACH FROM THE	INTERSE	CTION OF S	STATE HIGI	HWAY 5	AND STATE H	IIGHWAY 142,	WEST OF M	ORAVIA;
GO WEST FOR 7.95	MILES ON	HIGHWAY 1	42; THEN	NORTH (0.7 MILE ON G	RAVEL ROAD	TO MARK.	
					<u> </u>			
TYPE OF MARK	3-1/4" ALL	UMINUM DIS	K SET IN 1	2" DIAM	TER POURE	D-IN-PLACE CO	NCRETE MC	NUMENT.
☐ RECOVERED ■ SE	ET BY	DENI ASSO	CIATES, IN	C., FT. N	MYERS, FL	DATE	ОСТОВЕ	R 1996
HORIZONTAL VALUES (NAL GEOD!	ETIC SURVEY	' AND BASE	D ON TH	E NORTH AMEF	RICAN DATUM OF	F 1983, 1996 A	DJUSTMENT.
IOWA COORDINATE SYS	SIEM, SOU	TH ZONE GR	aD		SCALE FACIO		0.999961	90
COORDINATES (US FEE	-				COORDINATES	,		
NORTHING (Y)	329	050.62		_	• •	· · · · · · · · · · · · · · · · · · ·		
EASTING (X)	1783	275.62		_	EASTING (X)		543543.497	·
TIES No. 1 - 32.2' No. 2 - 14.7' No. 3 - 3.6' No. 4 - 3.8'	ALFALFA PASTURE	•	70.		NO.2	NO.3 WITNI POST NO.4 GATE F	ESS OF WOOD OST DEIVE	SECTION

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER MONROE COUNTY, IOWA

DESIGNATION	711836 2		GPS No.	6036	_ COUNTY _	MONROE	STATE	IOWA
LOCATED IN SECTION	36_ TWP	71 N	_ RGE	18 W	USGS QUAD N	MAP	MORAVIA	\
TO REACH FROM THE	INTERSECTI	ON OF ST	TATE HIG	HWAY 5	AND STATE H	IGHWAY 142,	WEST OF MOR	RAVIA;
GO WEST FOR 2.0 MI	LES ON HIGH	HWAY 142	TO THE	INTERSE	CTION WITH	COUNTY ROAL) J52 TO THE	SOUTH
AND GRAVEL ROAD	TO THE NOR	TH; THEN	NORTH	0.6 MILE	TO MARK, 0.1	MILE SOUTH	OF A GRAVEL	ROAD WEST.
TYPE OF MARK	3-1/4" ALUMI	NUM DISK	SET IN 1	2" DIAMI	ETER POURE	D-IN-PLACE CO	NCRETE MON	NUMENT.
RECOVERED SE	T BY DE	NI ASSOC	IATES, IN	iC., FT. I	MYERS, FL	DATE	OCTOBER	R 1996
HORIZONTAL VALUES O	RIGINATED O	N ORDER	"B" IOWA AND BASE	HIGH AC	CURACY REFE E NORTH AME	RENCE NETWOR	RK (HARN) COI F 1983, 1996 AE	NTROL ESTAB- JUSTMENT.
IOWA COORDINATE SYS	TEM, SOUTH	ZONE GRI	D		SCALE FACTO	OR:	0.9999620	1
COORDINATES (US FEE	T)				COORDINATE	S (METERS)		
NORTHING (Y)	·	5.62			NORTHING (Y)		100220.153	
EASTING (X)								
TIES No. 1 - 38' No. 2 - 22' No. 3 - 38' No. 4 - 28 5' No. 5 - 14 0' LIO FACE OF FENCE PI NO. 2 WITNES U.O. 3 FACE OF GATE POST U.O. 3 V.O. 3 V.	057 65 POST W00D	X GATES X	Y0.5		GRAVEL ROAD GRAVEL ROAD	-xxxxxxxxx		SECTION SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER MONROE COUNTY, IOWA

LOCATED IN SECTION 18 TWP 70 N RGE 17W USGS QUAD MAP MORAVIA TO REACH FROM THE INTERSECTION OF STATE HIGHWAY 5 AND STATE HIGHWAY 142, WEST OF MORAVIA; GO EAST ON NORTH STREET, THROUGH MORAVIA, FOR 3.95 MILES TO MARK. TYPE OF MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT. TYPE OF MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT. RECOVERED SET BY DENI ASSOCIATES, INC., FT. MYERS, FL. DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTAE LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1986 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.99996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1344846.13 EASTING (X) 562310.225 TIES NO. 1 - 19 2' NO. 2 - 26 0' NO. 3 - 31 7' NO 4 - 44 7' SECTION NO. 3 - 50 FERVICE FOLE (ABANDONJED) SKETCH		701701 1 GPS N			
GO EAST ON NORTH STREET, THROUGH MORAVIA, FOR 3.95 MILES TO MARK. TYPE OF MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT. □ RECOVERED ■ SET BY DENI ASSOCIATES, INC., FT. MYERS, FL DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTAE LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1998 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0,99996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO 1 - 1-19 2" NO 2 - 2-80 0" NO 3 - 3-31 7" NO 4 - 44 7" NO 5 FERVICE	LOCATED IN SECTION	1 16 TWP 70 N RGE	17 W USGS QUAD MAP	MORAV	<u>/IA</u>
TYPE OF MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT. RECOVERED SET BY DENI ASSOCIATES, INC., FT. MYERS, FL DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT IOWA COORDINATES SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.99996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO 1 - 19 2" ABANDONED AME PENK NO 2 - 26 0" ABANDONED AME PENK NO 3 - 31 7" NO 4 - 44 7" NO 4 - 44 7" SECTION NO 3 - 51 7" NO 4 - 44 7" NO 4 - 51 PENK SECTION NO 5 POST ARC OF SERVICE NO 6 POST ARC OF SERVICE NO 7 POST ARC OF SERVICE NO 8 POST PACE OF SERVICE NO 9 POST PACE OF SERVICE PACE OF SERVIC	TO REACH FROM _TH	HE INTERSECTION OF STATE H	IIGHWAY 5 AND STATE HIGH	WAY 142, WEST OF M	ORAVIA;
DENI ASSOCIATES, INC., FT. MYERS, FL. DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" YOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.99996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO. 1 - 19 2' NO. 2 - 26 0' NO. 3 - 31 7' NO 4 - 44 7' NO 4 - 44 7' NO 4 - 44 7' NO 4 - 64 7' NO 5 SERVICE	GO EAST ON NORT	TH STREET, THROUGH MORAY	VIA, FOR 3.95 MILES TO MARI	<.	
DENI ASSOCIATES, INC., FT. MYERS, FL. DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.999996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO. 1 - 19.2' NO. 2 - 26.0' NO. 3 - 31.7' NO 4 - 44.7' ABANDONED CAPILE PEIK SECTION NO. 3 - 31.7' NO 4 - 44.7' NO 4 - 50 F SERVICE	<u> </u>				
DENI ASSOCIATES, INC., FT. MYERS, FL. DATE OCTOBER 1996 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.999996221 COORDINATES (US FEET) COORDINATES (METERS) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO. 1 - 19.2' NO. 2 - 26.0' NO. 3 - 31.7' NO 4 - 44.7' ABANDONED CAPILE PEIK SECTION NO. 3 - 31.7' NO 4 - 44.7' NO 4 - 50 F SERVICE			· · · · · · · · · · · · · · · · · · ·		
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTAE LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: O.99996221 COORDINATES (US FEET) NORTHING (Y) 328245.87 NORTHING (Y) 1844846.13 EASTING (X) TIES NO. 1 - 19 2' NO. 2 - 26 0' NO. 3 - 31 7' NO 4 - 44 7' ABANDONED CATTLE PENK SECTION NO. 3 - 31 7' NO 4 - 44 7' NO 4 - 44 7' NO 4 - 44 7' NO 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	TYPE OF MARK 3-1	/4" ALUMINUM DISK SET IN 12"	DIAMETER POURED-IN-PLAC	CE CONCRETE MONUM	MENT.
LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT. IOWA COORDINATE SYSTEM, SOUTH ZONE GRID SCALE FACTOR: 0.99996221 COORDINATES (US FEET) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 562310.225 TIES No. 1 - 19 2" No. 2 - 26 0' No. 3 - 31 7' No 4 - 44 7' No 4 - 44 7' NO 4 - 44 7' NO 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	RECOVERED	SET BYDENI ASSOCIATES	, INC., FT. MYERS, FL DA	ATE OCTOB	ER 1996
COORDINATES (US FEET) NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO. 1 - 19 2' NO. 2 - 26 0' NO. 3 - 31 7' NO 4 - 44 7' NO 4 - 44 7' NO 5 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -					
NORTHING (Y) 328245.87 NORTHING (Y) 100049.540 EASTING (X) 1844846.13 EASTING (X) 562310.225 TIES NO. 1 - 19 2' NO. 2 - 26 0' NO. 3 - 31 7' NO 4 - 44 7' NO 4 - 44 7' NO 5 - 605 POST NO. 1 WITNESS POST NO. 4 FACE OF SERVICE	IOWA COORDINATE S	YSTEM, SOUTH ZONE GRID	SCALE FACTOR:	0.999962	21
TIES No. 1 - 19 2' No. 2 - 26 0' No. 3 - 31 7' No. 4 - 44 7' NO. 2 NO. 2 NO. 2 NO. 3 NO. 2 NO. 3 NO. 2 NO. 3 NO. 2 NO. 3 NO. 4 NO. 4 NO. 4 NO. 5 NO. 4 FACE OF SERVICE	COORDINATES (US FE	EET)	COORDINATES (MI	ETERS)	
TIES No. 1 - 19 2' No. 2 - 26 0' No. 3 - 31 7' No 4 - 44 7' NO. 2 NO. 2 NO. 2 NO. 3 NO. 2 NO. 3 NO. 2 NO. 3 NO. 4 NO. 5 NO. 4 NO. 6 NO. 6 NO. 7 NO. 4 NO. 7 NO. 4 NO. 7 NO. 7 NO. 4 NO. 7 NO. 4 NO. 5 NO. 4 NO. 5 NO. 4 FACE OF SERVICE	NORTHING (Y)	328245.87	NORTHING (Y)	100049.540	<u>)</u>
No. 1 - 192' No. 2 - 26 0' No. 3 - 317' No. 4 - 447' No. 2 No. 2 No. 2 No. 3 No. 2 No. 3 No. 2 No. 3 No. 4 No. 5 No. 6 No. 7 No. 4 No. 6 No. 7 No. 7 No. 4 No. 7 No. 7 No. 7 No. 7 No. 8 No. 8 No. 9 No. 9 No. 4 No.	EASTING (X)	1844846.13	EASTING (X)	562310.225	5
BY DSW	No. 1 - 19 2' No. 2 - 26 0' No. 3 - 31 7'	NO. 2 NO. 1 NO. 2 NO. 1 NO. 2 POST	NO.4 FACE OF SERVICE	PENK	
	1		•		DENI 9609001

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER MONROE COUNTY, IOWA

DESIGNATION _	03.4	∩1	GPS No	6062	COUNTY	DAVIS	STATE	IOWA
LOCATED IN SEC								
TO REACH FROM								
THE INTERSE								
	-							
-	PED "WAPELLO						DIDE	- 111111111111111111111111111111111
•	CESS COVER							
TYPE OF MARK	2-1/2" ALUM.	CAP ON ROL	W/MAGN	IET IN 5"	PVC PIPE, 3"	BELOW GROU	ND.	
RECOVERED	SET BY	DENI ASSO	CIATES, IN	IC., FT. N	MYERS, FL	DATE	OCTOBE	ER 1996
HORIZONTAL VA	LUES ORIGINAT NATIONAL GEO	ED ON ORDE DETIC SURVE	R "B" IOWA Y AND BASI	HIGH AC	CURACY REFE E NORTH AME	RENCE NETWO	RK (HARN) Co of 1983, 1996 A	ONTROL ESTAB-
IOWA COORDINA	ATE SYSTEM, SO	UTH ZONE G	RID		SCALE FACTO	OR:	0.999962	19
COORDINATES (US FEET)				COORDINATE	S (METERS)		
NORTHING (Y)	•	28635.36			NORTHING (Y)	100168.259	}
EASTING (X)	187	78457.78			EASTING (X)		572555.075	<u> </u>
								-
TIES No. 1 - 51.0' No. 2 - 32.5' No. 3 - 6.5' No. 4 - 70' No. 5 - 10.1'	MONIRO.	E CO.	TGI+ WAPELLO	NO FA	NO.2 NO.2 A CE OF SI	NO.3 WITNESS (ORANGE FIBE NO.5 F POWER	POST RGLASS)	SECTION
A PPA NG	OOSE LO		CONC. P			DA V IS	20.	SKETCH BY

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701613	3	GPS No	8001	COUNTY _	APPANOC	SESTATE_	IOWA
LOCATED IN SECTION	13 TW	P 70 N	_ RGE _	16 W	USGS QUAD	MAP	UNIONVIL	LE
TO REACH FROM TH	IE INTERSEC	TION OF CO	H YTNUC	IGHWAY	T61 AND 437	th STREET,	NORTHEAST OF	
UNIONVILLE; GO	NORTHERLY	0.9 MILE TO	MARK.					
								``
MARK 3-								ENT
MARK EXISTING						•		
MARK SET	▼ VALUES	ESTABLISH	ED BY _	Di	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATI	ORIGINATED	ON ORDER	"B" IOW	A HIGH AC SED ON T	CURACY REF HE NORTH AM	ERENCE NET	WORK (HARN) CO JM OF 1983, 1996	ONTROL ESTAB- ADJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUT	TH ZONE			SCALE FACT	OR:	0.9999661	6
COORDINATES (US F	EET)				COORDINATE	ES (METERS)		
NORTHING (Y)	31:	3779.35		_	NORTHING (Y	")	95640.136	3
EASTING (X)	187	4086.52		_	EASTING (X)		571222.713	3
VERTICAL VALUES OF THE U.S. GEOLOGICA								RVEY AND/OR
ELEVATION (US FEET	·)	923.81		<u> </u>	ELEVATION	(METERS)	281	.58
No 1 - 26' No 2 - 133' No 3 - 240' No 4 - 703' NO 6 - 703' NO 7 - 703' NO 7 - 703'	I POST S POST		NO. 3	RAJUE	CO. HWY, 72,1			SECTION
				/	NO.4	· · · · · · · · · · · · · · · · · · ·		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691601 4	GPS No.	8002	_ COUNTY _	APPANOOSE	STATE	IOWA
	N <u>1</u> TWP 69						
TO REACH FROM T	HE INTERSECTION OF	COUNTY H	IGHWAY	J3T AND 331	st AVENUE, EAS	ST-SOUTHEAS	T OF
	NORTHERLY 0.55 MIL						
MARK 3-	1/4" ALUMINUM DISK	SET IN 10" D	IAMETER	R POURED-IN	I-PLACE CONCR	ETE MONUMEI	VT
MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	☑ VALUES ESTABL	ISHED BY	D	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORI	DER "B" IOW 'EY AND BA	A HIGH A	CCURACY REF THE NORTH AM	FERENCE NETWOI MERICAN DATUM (RK (HARN) CON OF 1983, 1996 AD	ITROL ESTAB- DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997130	
COORDINATES (US	FEET)			COORDINAT	ES (METERS)	*	
NORTHING (Y)	296891.27			NORTHING (Y)	90492.640	
EASTING (X)	1875802.85		_	EASTING (X)	571745.852	
THE U.S. GEOLOGIC	ORIGINATED ON VERT	ED ON THE	NORTH A	AMERICAN VE	RTICAL DATUM	OF 1988.	
ELEVATION (US FEE	947.6	34		ELEVATION	(METERS)	288.8	34
TIES No 1 - 48.7' No 2 - 3.3' No 3 - 3.0' No 4 - 30.5'		NO I POWER POLE			331 st AVE		SECTION
	TORY FRAME SSIDENCE						SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691613 3	GPS No.	8003	COUNTY	APPANOOSE	STATE	IOWA
LOCATED IN SECTIO	N <u>13</u> TWP _	69 N RGE	16 W L	SGS QUAD I	MAP	UNIONVILL	Ē
TO REACH FROM T	HE INTERSECTION	N OF 485th STRE	ET AND 33	0th AVENU	E, SOUTHEAST	OF UNIONVIL	LE;
GO SOUTH 0.5 MIL	E TO MARK.						
		·····					
							
MARK 3-	1/4" ALUMINUM E	DISK SET IN 10" D	AMETER F	OURED-IN-	PLACE CONCRE	TE MONUME	NT
☐ MARK EXISTING	VALUES AS	PUBLISHED BY _		···	<u> </u>		
MARK SET	🔀 VALUES ES	TABLISHED BY	DEN	I ASSOCIA	res, INC.	_ DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON IONAL GEODETIC	ORDER "B" IOW/ SURVEY AND BAS	A HIGH ACC	URACY REFI	ERENCE NETWOR ERICAN DATUM O	K (HARN) COI F 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH 2	ZONE	S	CALE FACTO	OR:	0.99997656	
COORDINATES (US I	FEET)		c	OORDINATE	S (METERS)		
NORTHING (Y)	28142	3.33		IORTHING (Y)	85778.004	
EASTING (X)	18737	77.41	E	ASTING (X)		571128.497	
VERTICAL VALUES	ORIGINATED ON	VERTICAL CONTRO	OL ESTABL	ISHED BY 1	HE NATIONAL G	EODETIC SUR	VEY AND / OR
THE U.S. GEOLOGIC							
ELEVATION (US FEE	T)	916.84	_	LEVATION (METERS)	279.4	45
TIES No 1 - 30' No 2 - 9' No 3 - 3 0' No 4 - 3.1'		5 - 6 330 tu AVE.		NO LAI GA	ELD ENTRAI 3 3 3GE WOOD TE POST 1.4 TNESS POST		SECTION
		CREST					SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION _		691	1636 2		_GPS No.	8004	COUNTY _	APPANOO	SESTA	TE	IOWA
LOCATED IN SEC											
TO REACH FROM											
GO EAST 1.0 M	ILE TO	THE	DAVIS	COUNT	LINE AN	D MARK.		,			
MARK	3-1/4	" ALU!	MINUM	DISK SE	T IN 10" [DIAMETE	R POURED-IN	-PLACE CON	CRETE MO	NUME	<u>1T</u>
MARK EXISTI					_						
MARK SET		X VA	LUES E	STABLIS	HED BY	D	ENI ASSOCIA	TES, INC.	DATE		1998
HORIZONTAL VAI LISHED BY THE I	LUES C	RIGIN IAL GE	ATED O	N ORDE	R "B" IOW (AND BA	A HIGH A	CCURACY REF THE NORTH AM	ERENCE NET ERICAN DATU	WORK (HAR IM OF 1983, 1	N) CON 1996 AD	TROL ESTAB- JUSTMENT.
IOWA COORDINA	TE SYS	TEM,	SOUTH	ZONE			SCALE FACT	OR:	0.999	98256	
COORDINATES (US FEE	T)					COORDINATE	S (METERS)			
NORTHING (Y)			2655	29.92		_	NORTHING (Y	'n	8093	3.682	
EASTING (X)			18790	72.76			EASTING (X)		57274	2.523	<u> </u>
VERTICAL VALUE	ES ORI	GINAT	TED ON /EY AN	VERTICA D BASE	AL CONTR	NORTH	BLISHED BY '	THE NATIONA RTICAL DATU	L GEODETI IM OF 1988.	C SUR\	/EY AND/OR
ELEVATION (US	FEET)			969.96			ELEVATION	(METERS)		295.6	4
No 1 - 52 5' No 2 - 2 3' No 3 - 9 8' No 4 - 49 0' No 5 - 147 7'	***************************************		······ ›	NO.	NCE	<u> </u>	×	······································			SECTION
					~ NU.:	 3	R6REEN	NO.5 WOOD FENLE	POST		
			NO.4	1	- { S I	: HW	r. 2		PPA KIOOSE CO.		SKETCH BY DSW
	7 P. C.	****							7	177	DENI 9805000

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681624 1	GPS No.	8005	_ COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTIO	ON <u>24</u> TWP <u>68</u>	N RGE	16 W	USGS QUAD	MAP	MOULTO	N
TO REACH FROM _T	HE INTERSECTION OF	STATE HIG	HWAY 20	2 / S. MAIN S	TREET AND E.	1st STREET, I	N MOULTON;
GO EAST ON E. 1	st STREET / 550th STRI	EET 1.55 MIL	E TO MAI	RK.			
MARK . 3	-1/4" ALUMINUM DISK	SET IN 10" D	IAMETER	POURED-IN	-PLACE CONCR	ETE MONUM	ENT
☐ MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	▼ VALUES ESTABLE Output Description Output Description Description Output Description Descrip	ISHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
	ES ORIGINATED ON ORE						
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.9999891	0
COORDINATES (US	FEET)			COORDINATE	S (METERS)		
NORTHING (Y)	249646.92		_	NORTHING (Y	")	76092.533	3
EASTING (X)	1876785.10			EASTING (X)		572045.242	
THE U.S. GEOLOGIC	ORIGINATED ON VERTI	ED ON THE	NORTH A	MERICAN VE	RTICAL DATUM	OF 1988.	
ELEVATION (US FEE	et) 947.9	2	_	ELEVATION	(METERS)	288	.93
No. 1 - 35' No. 2 - 23' No. 3 - 15 5' No. 4 - 23 1'		<i>}</i>	<u> </u>	335 tu AVE.) 2	ひして。	SECTION
СОLТ)	VATED	10.1 F Pre	(d)	4 PROD.	NO. Z WITUESS PO	4 00 1(E	2
				ア /			SKETCH
		~		NO.	3		BY DSW
		<u> </u>	_ _	Y WO	3 OD FENCE PO	ST	DENI 0805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671506 4	GPS No	8006 COUNT	′	DAVIS	STATE _	IOWA
LOCATED IN SECTION	6 TWP 67 N	RGE1	<u>5 W</u> usgs Qu	AD MAP		MOULTO	٧
TO REACH FROM TH	E INTERSECTION OF	STATE HIGHV	VAY 202 AND 58	2nd STRE	EET, SOU	TH-SOUTHEA	ST OF
MOULTON; GO EA	ST 0.85 MILE TO DAVI	S-APPANOOS	SE ROAD AT THE	COUNT	Y LINE; G	O NORTH	
0.2 MILE TO MARK.							
MARK3-1	/4" ALUMINUM DISK S	ET IN 10" DIAI	METER POURED	-IN-PLAC	E CONCR	ETE MONUME	ENT
MARK EXISTING	☐ VALUES AS PUBL	ISHED BY	······································				
MARK SET	☑ VALUES ESTABLIS	SHED BY	DENI ASSO	CIATES, I	NC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORD	ER "B" IOWA F	IIGH ACCURACY I O ON THE NORTH	REFERENCA AMERICA	CE NETWO	RK (HARN) CO OF 1983, 1996 A	NTROL ESTAB DJUSTMENT.
IOWA COORDINATE S	STEM, SOUTH ZONE		SCALE FA	CTOR:		0.9999963	4
COORDINATES (US F	EET)		COORDIN	ATES (MI	ETERS)		
NORTHING (Y)	233559.81		NORTHIN	G (Y)		71189.171	·
EASTING (X)	1879616.03		EASTING	(X)		572908.111	
VERTICAL VALUES OF	RIGINATED ON VERTIC	CAL CONTROL	ESTABLISHED E	Y THE N	ATIONAL (GEODETIC SUF OF 1988.	RVEY AND/OR
ELEVATION (US FEET	974.54		ELEVATIO	N (METE	RS)	297.	04
TIES No. 1 - 71 9' No. 2 - 26' No. 3 - 4 6' No. 4 - 4 3' No. 5 - 66.9'	PORLA	NO.1 CORNER HOUSE	APPANOOSE CO. DAVIS CO. LEVEL B	1		NO.3	SECTION
	NO.5 WOOD FENCE POST		DAVIS - F-N APPANOOSE RD.			FEINCE 0.4 MINESS 0ST	SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671519 4	GPS No.	8007	_ COUNTY	DAVIS	STATE	IOWA
LOCATED IN SECTION	N <u>19</u> TWP	67 N RGE _	15 W	USGS QUAD M	AP	COATSVILL	<u>E</u>
TO REACH FROM TI	HE INTERSECTI	ON OF STATE HIG	HWAY 20	2 AND 336th A	VENUE AT CO	DATSVILLE,	
0.3 MILE SOUTHEA	AST OF THE SOL	JTHEAST CORNE	R OF APP	ANOOSE COU	NTY; GO NO	RTHWEST 0.35	MILE
ON 336th AVENUE	TO MARK.						
MARK3-	1/4" ALUMINUM	DISK SET IN 10" [DIAMETER	POURED-IN-P	LACE CONCE	RETE MONUME	NT
☐ MARK EXISTING							
MARK SET	X VALUES E	STABLISHED BY _	DE	ENI ASSOCIATI	ES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED O	N ORDER "B" IOW SURVEY AND BA	/A HIGH AC SED ON T	CURACY REFE HE NORTH AME	RENCE NETWO RICAN DATUM	RK (HARN) COI OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT
IOWA COORDINATE	SYSTEM, SOUTH	ZONE		SCALE FACTO	R:	1.00000413	3
COORDINATES (US F	EET)			COORDINATES	(METERS)		
NORTHING (Y)	2175	00.43		NORTHING (Y)		66294.264	
EASTING (X)	18798	370.58		EASTING (X)		572985.698	
VERTICAL VALUES	ORIGINATED ON	VERTICAL CONTR	OL ESTA	BLISHED BY TH	E NATIONAL	GEODETIC SUR	VEY AND/OR
THE U.S. GEOLOGIC	AL SURVEY AN	D BASED ON THE	NORTH A	MERICAN VER	TICAL DATUM	OF 1988.	
ELEVATION (US FEE	Τ)	969.63		ELEVATION (N	METERS)	295.	54
No 1 - 28' No 2 - 23' No 3 - 12' No 4 - 15 0'		THE WE WON THE		N	ESS POST 0.3 ENCE NO.4 END OF CMP CUL		SECTION
	\	h /	,	*			BY DSW
	Ć	/	`	\		,	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671621 1	GPS No	8008	COUNTY	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	21 TWP 67	N RGE _	16 W US	GS QUAD M	AP	COATSVIL	LE
TO REACH FROM TH	E INTERSECTION O	590th STRE	ET AND 308	th AVENUE	, SOUTH-SOUT	HWEST OF	
MOULTON; GO SO	UTHERLY ON 308th	AVENUE, TH	EN CONTIN	UE THROU	GH A TURN WE	ST FOR A TO	OTAL OF
1.9 MILES TO 307th	AVENUE; THEN SO	JTHERLY 0.4	MILE TO M	ARK.			
MARK3-1	/4" ALUMINUM DISK	SET IN 10" DI	AMETER PO	OURED-IN-F	PLACE CONCRE	TE MONUM	ENT
☐ MARK EXISTING	☐ VALUES AS PUB	LISHED BY					
MARK SET	X VALUES ESTAB	ISHED BY	DENI	ASSOCIAT	ES, INC.	DATE	1998
HORIZONTAL VALUES							
IOWA COORDINATE S	YSTEM, SOUTH ZONE		sc	ALE FACTO	R:	1.0000041	8
COORDINATES (US FI	EET)		cc	ORDINATES	(METERS)		
NORTHING (Y)	217236.99		_ NO	RTHING (Y)		66213.966	
EASTING (X)	1862602.02		EA	STING (X)		567722.232	
VERTICAL VALUES OF THE U.S. GEOLOGICA							RVEY AND/OR
ELEVATION (US FEET	915.0)7	EL	EVATION (N	ETERS)	278	.92
TIES No. 1 - 97 2' No. 2 - 21 5' No. 3 - 23' No 4 - 72'	MOTAL PAR.	A R	NO.1 WOOD FENICE	TRUNK POST	UO. 3 WITNESS POST AT FEA		SECTION
	*	NO.2		X	NO. 4 WOOD FEN POST (CRO		
МОО О Вг и	\	NO.2		*	WOOD FEL		SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671604 1	GPS No.	8009	_ COUNTY _	APPANOOSE	STATE _	IOWA
	N 4 TWP 67						
	HE INTERSECTION OF						
	OUTH 1.2 MILE TO MA						
-							
MARK 3	-1/4" ALUMINUM DISK :	SET IN 10" D	IAMETER	POURED-IN	-PLACE CONCR	ETE MONUME	NT
MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	☑ VALUES ESTABL	ISHED BY	DE	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	ES ORIGINATED ON ORI	DER "B" IOW EY AND BA	A HIGH AC	CURACY REF	ERENCE NETWOR	RK (HARN) CO OF 1983, 1996 A	NTROL ESTAB DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99999663	3
COORDINATES (US	FEET)			COORDINATE	ES (METERS)		
NORTHING (Y)	232768.45			NORTHING (Y	′) <u> </u>	70947.964	
	1863712.75			EASTING (X)		568060.781	
VERTICAL VALUES THE U.S. GEOLOGIO	ORIGINATED ON VERT	CAL CONTR ED ON THE	OL ESTAI	BLISHED BY T MERICAN VE	THE NATIONAL ORTICAL DATUM (SEODETIC SUR OF 1988	VEY AND/OR
ELEVATION (US FEE	ET) 935.9)1	_	ELEVATION	(METERS)	285.	27
NO. 1 - 4.2' NO. 2 - 10.5' NO. 3 - 11.3' NO. 4 - 54' NO. 1 - WITNESS AT FENCE NO. 2 WOOD GATE	POST	B POLE	CE	50 TU AVE.		PASTURE	SECTION
			 	! !		-	BY DSW
	9				.]		DENI 980500

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681616 2	GPS No.	8010	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION							
TO REACH FROM TH	E INTERSECTION OF	550th STRE	ET AND	STATE HIGH	WAY 202 IN MOU	LTON;	
GO WEST 0.95 MILE	TO 310th AVENUE A	ND MARK, N	NORTHW	EST OF INTE	RSECTION, NEAT	R SOUTHEAS	ST
CORNER OF OAKLA	ND CEMETERY.						
MARK 3-1	4" ALUMINUM DISK	SET IN 10" D	IAMETER	POURED-IN	I-PLACE CONCRE	TE MONUME	ENT
☐ MARK EXISTING							
MARK SET	▼ VALUES ESTABLE	ISHED BY	DE	ENI ASSOCIA	TES, INC.	_ DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORI DNAL GEODETIC SURV	DER "B" IOW EY AND BAS	A HIGH AC SED ON T	CURACY REF HE NORTH AN	FERENCE NETWOR MERICAN DATUM O	K (HARN) CO F 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACT	ror:	0.9999891	1
COORDINATES (US FE	EET)				ES (METERS)		
NORTHING (Y)	249518.61				Y)		
EASTING (X)	1863595.12			EASTING (X)	568024.928	
VERTICAL VALUES O	RIGINATED ON VERT	ICAL CONTR ED ON THE	OL ESTAI NORTH A	MERICAN VE	RTICAL DATUM (JF 1988.	
ELEVATION (US FEET	970.6	S9		ELEVATION	(METERS)	295	.87
TIES No. 1 - 50' No. 2 - 14' No. 3 - 27.5' No. 4 - 21.5'	OAKLAN CEMETE	1		NO. 4 P	DRIVE 1.3 TNESS POST		SECTION
	–	NO.1		310Tu AVE			SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691634 3	_GPS No	8011	_ COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION	34 TWP69 N	RGE	16 W	USGS QUAD M	AP	MOULTON	1
TO REACH FROM THE	INTERSECTION OF 5	20th STRE	ET AND	310th AVENUE	, NORTH-NORT	THWEST OF I	MOULTON;
GO NORTH 165 FEE	T, MORE OR LESS, TO	MARK.					
**							
							
MARK3-1/-	4" ALUMINUM DISK SE	T IN 10" D	AMETER	POURED-IN-F	PLACE CONCRE	TE MONUME	NT
☐ MARK EXISTING	☐ VALUES AS PUBLIS	SHED BY			*****		
MARK SET	▼ VALUES ESTABLIS	HED BY	DE	NI ASSOCIAT	ES, INC.	_ DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO							
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACTO	R:	0.99998253	<u> </u>
COORDINATES (US FE	ET)			COORDINATES	(METERS)		
NORTHING (Y)	265458.43			NORTHING (Y)		80911.891	
EASTING (X)	1863417.77		_	EASTING (X)	#-H4	567970.872	
VERTICAL VALUES OF THE U.S. GEOLOGICAL							VEY AND/OR
ELEVATION (US FEET)	986.33			ELEVATION (N	METERS)	300.6	33
TIES No 1 - 32.5' No 2 - 16' No 3 - 24' No 4 - 22.9' No 5 - 164'	310 Tu ANE - 2 F		NO ED	GRA BIN		DST . IN	SECTION
	<u>'</u>					<u></u>	SKETCH
			NO 5	500			BY DSW
	Lawrence :			520 m	ı ⊃ 1.		DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691616 2	GPS No	8012 cour	NTY APPAN	OOSE STATE	IOWA
LOCATED IN SECTIO	N <u>16</u> TWP 69 N	RGE1	6W usgs	QUAD MAP	UNION	/iLLE
TO REACH FROM T	HE INTERSECTION OF	COUNTY HIGH	HWAY T61 AN	D 485th STREE	T, SOUTH OF UN	IONVILLE;
GO SOUTH 0.5 MIL	E TO MARK.					<u>. </u>
MARK3-	1/4" ALUMINUM DISK S	ET IN 10" DIAI	METER POUR	ED-IN-PLACE C	ONCRETE MONU	JMENT
MARK EXISTING	☐ VALUES AS PUBL	SHED BY				
MARK SET	X VALUES ESTABLIS	SHED BY	DENI ASS	OCIATES, INC.	DATE _	1998
HORIZONTAL VALUE	S ORIGINATED ON ORDI	ER "B" IOWA H Y AND BASE	IIGH ACCURAC ON THE NOR	Y REFERENCE N TH AMERICAN DA	ETWORK (HARN) ATUM OF 1983, 199	CONTROL ESTAB- 96 ADJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE		SCALE	FACTOR:	0.99997	7664
COORDINATES (US I	FEET)		COORE	INATES (METER	RS)	
NORTHING (Y)	281120.99		NORTH	ING (Y)	85685.8	350
EASTING (X)	1863137.12		EASTIN	IG (X)	567885.	330
VERTICAL VALUES	ORIGINATED ON VERTIC	AL CONTROL	ESTABLISHED	BY THE NATIO	NAL GEODETIC	
ELEVATION (US FEE	T) 964.01		ELEVA	TION (METERS)		293.83
NO. 1 - 25' NO. 2 - 90' NO. 3 - 19' NO. 4 - 38.0' NO. 2 TALL (10'±) GATE POST	WOOD & NO	3 RANCE	HWY, T61 - E-	.4	X REST	SECTION
HAY FIELD			CO. H		\	SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION 701633 2 GPS No.	8013 COUNTY APPANOC	OSE STATE	IOWA
LOCATED IN SECTION 33 TWP 70 N RGE 1	6 W USGS QUAD MAP	UNIONVILL	E
TO REACH FROM THE INTERSECTION OF COUNTY HIG			
SOUTH STREET / COUNTY HIGHWAY T61, IN UNIONVI			
0.45 MILE TO MARK.			
DIRECTLY UNDER POWER LINES.			
MARK 3-1/4" ALUMINUM DISK SET IN 10" DIA	METER POURED-IN-PLACE CON	ICRETE MONUME	NT
☐ MARK EXISTING ☐ VALUES AS PUBLISHED BY			
MARK SET VALUES ESTABLISHED BY			1998
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA H	HIGH ACCURACY REFERENCE NET	WORK (HARN) COI	NTROL ESTAB-
IOWA COORDINATE SYSTEM, SOUTH ZONE	SCALE FACTOR:	0.99997118	3
COORDINATES (US FEET)	COORDINATES (METERS)		
NORTHING (Y) 297151.10	NORTHING (Y)	90571.837	
EASTING (X) 1862964.96		567832.854	.,
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NO	. ESTABLISHED BY THE NATIONA	AL GEODETIC SUR UM OF 1988.	EVEY AND/OR
ELEVATION (US FEET) 958.88	ELEVATION (METERS)	292.;	27
TIES No. 1 - 26' No. 2 - 173' No. 3 - 38' No. 4 - 515' NO. 1 WITHESS POST NO. 2 LONE WOOD GATE POST (GROVEN A) FIELD ENTRANCE NO. 3 FENCEUNE PRODUCED	E — — CO. HWY. TG1	OLD FRAME HOUSE	SECTION
PASTURE			BY DSW
ASTURE COMMENT COMMENT	1 - 1		DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	7016163	GPS No	8014	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	16TWP70 N	RGE	16 W	USGS QUAD	MAP	UNIONVILLI	E
TO REACH FROM TH	E INTERSECTION OF	COUNTY HI	GHWAY .	J3T AND 437	h STREET, NOF	THWEST OF	
UNIONVILLE NEAR	CENTER OF SECTION	20-70-16;	GO EAST	ERLY 0.35 M	IILE TO 302nd A	/ENUE; THEN	<u> </u>
NORTHERLY 0.9 MI	LE ON 302nd AVENUE	TO MARK.	•				
MARK 3-1	/4" ALUMINUM DISK S	ET IN 10" DI	AMETER	POURED-IN	-PLACE CONCRE	TE MONUME	NT
MARK EXISTING	☐ VALUES AS PUBL	ISHED BY					
MARK SET	☑ VALUES ESTABLIS	SHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORD	ER "B" IOWA Y AND BAS	HIGH AC	CURACY REF	ERENCE NETWOR ERICAN DATUM O	K (HARN) CON F 1983, 1996 AL	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S'	YSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99996606	
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	313986.17			NORTHING (Y	")	95703.176	
EASTING (X)	1858913.35			EASTING (X)		566597.923	
VERTICAL VALUES O	RIGINATED ON VERTICAL SURVEY AND BASE	CAL CONTRO	L ESTAE	BLISHED BY T MERICAN VE	THE NATIONAL G	EODETIC SUR	VEY AND/OR
ELEVATION (US FEET	922.3			ELEVATION	(METERS)	281.1	12
TIES				1			
No 1 - 235'		PR	.00	. -			
No 2 - 50.5'	*	NO	,	†			
No 3 - 5.0'		,					•
No 4 - 3.2'		-		GAITE	PASTU	RE	SECTION
No. 5 - 10.0'	* 1	İ		9/2			
	1 2]		,	ري د		
	150				, cs		1
	* 1			j			[
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	302 ND AVE						
	* ! <u>\$</u>	1		1), 3		4
	20				1.) OOD (BEANCH	۱,,	
	\sim	. }		F	ENCE POST	1)	(j i)
	* 1	}			•		
		ļ					
	الله الله		一人	√ĭ i	JO 4	^	
	NO.2		<u></u>	Z 1	UITNESS PO	וכע	
				11 ,	10.5		SKETCH
•					OWER POLE		BY DSW
	1	!		† '		ĺ	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701603 4	GPS	No. 8015	COUNTY	APPANOOS	E STATE	IOWA	
LOCATED IN SECTION	N 3 TWP_	70 N RG	SE 16 W	USGS QUAD	MAP	BLAKESBU	RG	
TO REACH FROM TI								
SOUTH OF MONRO	DE COUNTY LINE	AND 3.0 MIL	E WEST OF N	ORTHEAST	CORNER OF A	PPANOOSE CO	UNTY.	
MARK 3-	1/4" ALUMINUM D	ISK SET IN	10" DIAMETER	R POURED-IN	N-PLACE CONC	RETE MONUME	NT	
MARK EXISTING	☐ VALUES AS	PUBLISHED I	вү					
MARK SET	☑ VALUES ES	TABLISHED B	Y DE	ENI ASSOCIA	ATES, INC.	DATE	1998	
HORIZONTAL VALUE								
IOWA COORDINATE S	SYSTEM, SOUTH 2	ONE		SCALE FAC	ror:	0.99996234	<u> </u>	
COORDINATES (US F	EET)			COORDINAT	ES (METERS)			
NORTHING (Y)	32788	6.53		NORTHING (Y)	99940.015		
EASTING (X)	186261	7.21		EASTING (X)	567726.861		
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.								
ELEVATION (US FEE	T)	915.18		ELEVATION	(METERS)	278.	95	
TIES	1 🔿	<u> </u>			<u></u>		•	
No. 1 - 35'	ĬΥ	!		,				
No. 2 - 75'	1	ابرا						
No. 3 - 30'	FIELD	LREST	•	*				
No 5 - 48'	FIELD ENTRANCE						SECTION	
	9 -			·				
	1							
	<u> </u>	 	, ,	; ?			1	
			\					
	Į		FIELD					
		1 Vi	ENTRANCE	1	ND.3			
	1	0.1	/ ^		WITNESS P	ರಿವ		
					10.4 FE	NCE	(M)	
		<u>.</u>	٤		0.5 1000			
		WE.	NO.2	i c	ENCE POST	.		
	}	<u> </u>	, - ,	፝ I			SKETCH	
		310ru		_			BY DSW	
		- N	{	,	FA 27	URE T	DENI 9805002	

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, !LLINOIS

DESIGNATION	701724 1	GPS	No. <u>801</u>	6 COUNTY	APPANC	OSE STATE	IOWA
LOCATED IN SECTION	24 TWP	70 N RG	E 17 W	USGS QUAI) MAP	HIATTSVI	LLE
TO REACH FROM TH	E INTERSECTION	ON OF COUN	ry Highw	Y J3T AND 42	Oth STREET	APPROXIMATE	<u>.</u> Y
3 MILES SOUTHEAS							
<u> </u>							
	···						
MARK 3-1							IENT
MARK EXISTING	☐ VALUES AS	S PUBLISHED I	3Y				
MARK SET	X VALUES ES	STABLISHED B	Υ	DENI ASSOCI	ATES, INC.	DATE	1998
HORIZONTAL VALUES	OPICINIATED O	N OPDER "R"	IOWA HIGH	ACCURACY RE	FERENCE NE	TWORK (HARN)	ONTROL ESTAB
IOWA COORDINATE S	YSTEM, SOUTH	ZONE		SCALE FAC	TOR:	0.999966	38
COORDINATES (US F					TES (METERS		
NORTHING (Y)	•	64.53		NORTHING	(Y)	95330.82	<u>?0</u>
EASTING (X)						562908.52	
VERTICAL VALUES C							
THE U.S. GEOLOGICA	ORIGINATED ON AL SURVEY ANI	D BASED ON	THE NORT	H AMERICAN V	ERTICAL DA	TUM OF 1988.	
ELEVATION (US FEET							6.51
No. 1 - 13.1']						
No. 2 - 60'					†		
No. 3 - 2.7'	1						
No. 4 - 14 0'	*		1		*		SECTION
No 5 - 59 3'			<u>_</u>	\$			
	*		131	2	1		
	l ,	10 A		الا	1		
NO I		JO.4 FENCELIJE	<u>}</u>	9	₩.		1 /1
POWER P		PRODUCED	Co. HW				
* (* 		′ -	3		-10-		1 /1
110.0	$T\lambda$				∳ !		
ND. 2 WOOD			4				
WOOD FENCE PA	DA	\	<u> </u>	10.5	\$		
NO.3							
WIN					1		
POST	·						
	41				\$		
	V						SKETCH
	*		1				BY DSW
1.2							DENI 980500

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701631 3	GPS No.	8017	COUNTY _	APPANOOSE	STATE	IOWA
	N 31 TWP 701				The second secon		
	HE INTERSECTION OF						
	ERLY ON 450th STREE						MARK.
MARK 3	-1/4" ALUMINUM DISK	SET IN 10" E	NAMETER	POURED-IN	-PLACE CONCR	ETE MONUME	NT
MARK EXISTING	VALUES AS PUB	LISHED BY _					
MARK SET	☑ VALUES ESTABL	ISHED BY _	DI	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORI	DER "B" IOW EY AND BA	A HIGH AC SED ON T	CCURACY REF HE NORTH AN	ERENCE NETWOF	RK (HARN) COM F 1983, 1996 AD	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997119	
COORDINATES (US	FEET)			COORDINATI	ES (METERS)		
NORTHING (Y)	296975.01			NORTHING (Λ)	90518.163	
EASTING (X)	1848517.84			EASTING (X)		563429.365	··
THE U.S. GEOLOGIC	ORIGINATED ON VERT CAL SURVEY AND BAS ET) 841.7	ED ON THE	NORTH A	MERICAN VE	RTICAL DATUM	OF 1988.	
TIES			<u></u>	1 1			
No. 1 - 31'			J i				
No. 2 - 7 0'			1				
No. 3 - 2 2'			- 1				
No. 4 - 3 4'				, re.			SECTION
			S S S S S S S S S S S S S S S S S S S	ENTERN			
- 80,000 00 00		, si	NO.	PROD.	NO.4 WITUE POST	ES.3	
FORD	*LEVEL BAD		ANCE.	```			
	, <u>D</u>	NO.2		`			SKETCH
		MOOD	 بري	NO. 3			BY DSW
1		FENCE	トルシ	NO.3 FENC	Ŧ /		DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	69	1713 2		_GPS No.	8018	_ COUNTY	APPANOOSE	STATE	IOWA
LOCATED IN SECT									
TO REACH FROM									
OF UDELL; GO	SOUTH 0.	MILE T	O 490th	STREET;	THEN G	O WEST 0.1	MILE TO MARK.		
MARK	3-1/4" ALU	MINUM I	DISK SE	T IN 10" E	IAMETER	R POURED-IN	N-PLACE CONCR	ETE MONUME	NT
MARK EXISTIN				_					
MARK SET	⊠ v	ALUES ES	STABLIS	HED BY _	DI	ENI ASSOCIA	ATES, INC.	DATE	1998
HORIZONTAL VAL	UES ORIGII IATIONAL G	NATED O	N ORDE	R "B" IOW ' AND BA	A HIGH A	CCURACY REP HE NORTH AM	FERENCE NETWO MERICAN DATUM (RK (HARN) CO OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINAT	TE SYSTEM,	SOUTH	ZONE			SCALE FACT	TOR:	0.99997664	
COORDINATES (U	IS FEET)					COORDINAT	'ES (METERS)		
NORTHING (Y)		28096	6.13			NORTHING (Y)	85638.646	
EASTING (X)						EASTING (X	i)	562717.568	
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.									
ELEVATION (US F									03
TIES				· · · · ·					
No. 1 - 119'				HAY	FIELD	>			
No 2 - 11 7'									
No 3 - 92' No 4 - 24'				NO. 2			NO.3		SECTION
100 4 - 24				TELEP	HONE		WITHESS SIGN		32011014
				CABLE	SIARI SIAN	11NG POST	SIGN		
				n.coo		1 681	\ \		
	ţ,	10.1						-/ \	1
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		!		40	IOTH S	T.,	-4 ,	- 	
								<u> 10.4</u>	
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			OWER 1						
		14	/TRAN	SFORME	ER				averal.
									SKETCH BY DSW
									DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681701 1	GPS No.	8019	COUNTY _	APPANOOS	SESTATE	IOWA
LOCATED IN SECTION	1 TWP68 N	N RGE	17 W	USGS QUAD I	MAP	CENTERVILLE	EAST
TO REACH FROM					····	4	
IN THE SOUTHWEST	QUADRANT OF THE	INTERSEC	CTION OF	520th STREE	T AND 278th	AVENUE,	
6.0 MILES EAST OF	CENTERVILLE.				****		
MARK 3-1/4	4" ALUMINUM DISK S	SET IN 10" D	IAMETER	R POURED-IN-	PLACE CONC	RETE MONUME	ENT
☐ MARK EXISTING	☐ VALUES AS PUBL	ISHED BY _				·	
MARK SET	X VALUES ESTABLI	SHED BY _	DI	ENI ASSOCIAT	res, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORD NAL GEODETIC SURVE	ER "B" IOW EY AND BAS	A HIGH AC	CURACY REFE HE NORTH AM	ERENCE NETW ERICAN DATUM	ORK (HARN) CO II OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACTO	DR:	0.9999826	1
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
NORTHING (Y)	265103.42					80803.683	
EASTING (X)	1846111.47			EASTING (X)		562695.901	
VERTICAL VALUES OF THE U.S. GEOLOGICAL	RIGINATED ON VERTIC L SURVEY AND BASE	CAL CONTR ED ON THE	OL ESTAI NORTH A	MERICAN VEF	RTICAL DATUM	1 OF 1988.	
ELEVATION (US FEET)	937.5	3		ELEVATION (METERS)	285.	76
TIES No. 1 - 90' No. 2 - 27' No. 3 - 37 5' No. 4 - 21'			/				SECTION
NO. I WITNES POST	S / 4	NO 2		278 TLI AVE		DIRT	SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

LOCATED IN SECTION 19 TWP 68 N RGE 16 W USGS QUAD MAP CENTERVILLE EAST TO REACH FROM THE 285th STREET BRIDGE OVER CHARITON RIVER; GO NORTHEAST 0.5 MILE TO 555th STREET; THEN WEST 0.2 MILE TO DOGLEG TURN TO NORTH / 284th AVENUE; THEN NORTH 0.4 MILE TO MARK. MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT MARK EXISTING VALUES AS PUBLISHED BY MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.
555th STREET; THEN WEST 0.2 MILE TO DOGLEG TURN TO NORTH / 284th AVENUE; THEN NORTH 0.4 MILE TO MARK. MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT MARK EXISTING VALUES AS PUBLISHED BY MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED
0.4 MILE TO MARK. MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT MARK EXISTING VALUES AS PUBLISHED BY MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED
MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT MARK EXISTING VALUES AS PUBLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLES
✓ MARK EXISTING ✓ VALUES AS PUBLISHED BY ✓ MARK SET ✓ VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY ON TROL ESTABLISHED BY
✓ MARK EXISTING ✓ VALUES AS PUBLISHED BY ✓ MARK SET ✓ VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY ON TROL ESTABLISHED BY
MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 1998 HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTAB
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTAB
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.
IOWA COORDINATE SYSTEM, SOUTH ZONE SCALE FACTOR: 0.99998930
COORDINATES (US FEET) COORDINATES (METERS)
NORTHING (Y) 248932.69 NORTHING (Y) 75874.834
EASTING (X) 1847598.37 EASTING (X) 563149.109
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. ELEVATION (US FEET) 842.00 ELEVATION (METERS) 256.64
TIES , , ,
No 1 - 20'
No. 2 - 88 7' NO. 2 FRAME RES.
No. 3- 38'
No. 4 - 94 9'
NO.1 NO.3 WITNESS POST
WILDLIFE MANT. AREA!
NO.4 6'DIA DOUBLE HAY FIELD SKETCH
NO.4 NO.4 SKETCH
6'DIA DOUBLE BY DSW
DENI 980500

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671701 1	GPS No.	8021	_ COUNTY _	APPANOOSE	STATE	IOWA	
LOCATED IN SECTION	1TWP	67 N RGE	17 W	USGS QUAD I	MAPC	ENTERVILLE	EAST	
TO REACH FROM TH	IE INTERSECTIO	N OF 590th STRE	ET AND	268th AVENU	E; GO NORTHE	RLY 0.35 MIL	<u> TO</u>	
BRIDGE OVER PAC	KARD CREEK; T	HEN CONTINUE	NORTHE	RLY 0.35 MIL	E TO FIELD ENT	RANCE TO E	AST	
AND MARK.								
				, ,,,,,,,,,				
MARK3-1	/4" ALUMINUM D	ISK SET IN 10" D	IAMETER	POURED-IN-	PLACE CONCR	ETE MONUME	NT	
☐ MARK EXISTING	☐ VALUES AS	PUBLISHED BY _						
MARK SET	☑ VALUES EST	TABLISHED BY	DE	NI ASSOCIA	res, inc.	DATE	1998	
HORIZONTAL VALUES	ORIGINATED ON ONAL GEODETIC S	ORDER "B" IOW GURVEY AND BAS	A HIGH AC	CURACY REFI HE NORTH AM	ERENCE NETWOR ERICAN DATUM (RK (HARN) CO DF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.	
IOWA COORDINATE S	YSTEM, SOUTH Z	ONE		SCALE FACTO	OR;	0.99999645	<u> </u>	
COORDINATES (US F	EET)		COORDINATE	S (METERS)				
NORTHING (Y)	233024	1.72	_	NORTHING (Y)	71026.078		
EASTING (X)	184732	1.61		EASTING (X)		563064.752		
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.								
							9 4	
ELEVATION (US FEET	")	383.32	_	ELEVATION (METERS)	209.		
TIES No. 1 - 1.8' No. 2 - 37.5' No. 3 - 25' No. 4 - 10.5'	}	VIIW/	JESS				SECTION	
W000=		2- 2- 268 TH AVE.	NO.	3	NO.4 3' LIGH WOOD TRU POST	DIA DELANT	SKETCH BY DSW DENI 9805002	

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671724 1	GPS No.	8022	COUNTY	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	24 TWP 67 N	RGE	17 W	USGS QUAD	MAP	OMAHA	
TO REACH FROM		· · · · · · · · · · · · · · · · · · ·					
AT THE INTERSECT	TION OF 610th STREET	AND 611th	STREET	Γ IN THE	······································		····
GRASS MEDIAN TR	IANGLE.					·····	<u> </u>
MARK 3-1	/4" ALUMINUM DISK SI	ET IN 10" DI	AMETER	R POURED-IN	I-PLACE CONCRE	TE MONUME	NT
MARK EXISTING	☐ VALUES AS PUBLI	SHED BY					
MARK SET		SHED BY	DE	ENI ASSOCIA	TES, INC.	DATE	1998
	ORIGINATED ON ORDE DNAL GEODETIC SURVE						
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACT	ror:	1.00000430)
COORDINATES (US FI	EET)			COORDINAT	ES (METERS)		
NORTHING (Y)	216858.43	***************************************		NORTHING (Y)	66098.581	
EASTING (X)	1846520.09			EASTING (X)	562820.450	
	RIGINATED ON VERTICAL SURVEY AND BASE						VEY AND/OR
ELEVATION (US FEET	958.28			ELEVATION	(METERS)	292.	08
TIES No. 1 - 57 7' No 2 - 25' No 3 - 21.5' No. 4 - 36'	NO.1 WITNESS PO	റ് 🔑			15		SECTION
		NO.2 X	0.3	bearing bearing	H119 3 - 2		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671716 2	GPS No.	8023	COUNTY _	APPANOOS	E STATE	IOWA
	N 16 TWP						
TO REACH FROM _T	HE INTERSECTION	OF 610th STRE	ET AND 24	7th AVENU	E; GO EAST	0.25 MILE TO I	MARK.
	_						
MADY 3	-1/4" ALUMINUM DIS	SK SET IN 10" DIA	AMETER D	OURED-IN-	PLACE CONC	RETE MONUM	FNT
	□ VALUES AS P						
	☑ VALUES ESTA						1998
HORIZONTAL VALUE	S ORIGINATED ON C	ORDER "B" IOWA	HIGH ACCI	JRACY REFE	RENCE NETWO	ORK (HARN) C	ONTROL ESTAB-
IOWA COORDINATE	SYSTEM, SOUTH ZO	NE	s	CALE FACTO	PR:	1.0000039	91
COORDINATES (US	FEET)		С	OORDINATES	S (METERS)		
NORTHING (Y)	217500.	82	_ N	ORTHING (Y)		66294.38	4
EASTING (X)	1832058	37	_ E	ASTING (X)		558412.50	8
VERTICAL VALUES THE U.S. GEOLOGIC	ORIGINATED ON VE	RTICAL CONTROL	ORTH AMI	ERICAN VER	TICAL DATUM	OF 1988	
ELEVATION (US FEE	T)100	3.24	_	LEVATION (METERS)	305	5.79
No. 1 - 134' No. 2 - 30' No. 3 - 35 5' No. 4 - 30'	7 1 5 -			NO.2 WITHES FENCE	S POST &	Τ	SECTION
1	× ×	X X			× × ′ ×	\	
, MO.I						NO.3	
	610TH ST.	, , , , , , , , , , , , , , , , , , , ,		NO.4	£		
¥				· ×		Phase,	
			-	•			
				,		+	SKETCH
							BY DSW
						4	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	68	1734 3		GPS No.	8024	COUNTY _	APPANOC	OSE ST	TATE	IOWA
LOCATED IN SECTION	34_	TWP _	68 N	RGE	17 W	USGS QUAD	MAP	CENTE	RVILLE E	EAST
TO REACH FROM										
AT THE INTERSECT	TION OF	580th S	TREET /	252nd A	VENUE A	ND 251st AVE	NUE, NEAR	THE		
WESTERLY POINT	OF GRA	ASS MED	DIAN.				×+			
MARK 3-1	/4" ALU	MINUM I	DISK SE	T IN 10" E	IAMETE	R POURED-IN	-PLACE CON	NCRETE M	ONUMEN	NT
MARK EXISTING	□ v/	ALUES AS	S PUBLIS	HED BY _						
MARK SET	⊠ v	ALUES ES	STABLISH	IED BY _	D	ENI ASSOCIA	TES, INC.	DA	TE	1998
HORIZONTAL VALUES	ORIGII	NATED OI EODETIC	N ORDER	R"B" IOW AND BA	A HIGH A	CCURACY REF	ERENCE NET ERICAN DATI	WORK (HA	ARN) CON 3, 1996 AD	TROL ESTAB- JUSTMENT.
IOWA COORDINATE S	YSTEM,	SOUTH	ZONE			SCALE FACT	OR:	0.9	9999624	
COORDINATES (US F	EET)					COORDINATE	S (METERS)	ı		
NORTHING (Y)		23333	36.38	· · · · · · · · · · · · · · · · · · ·		NORTHING (Y	")	71	121.071	
EASTING (X)		18328	43.26		_	EASTING (X)		558	651.744	
VERTICAL VALUES OF THE U.S. GEOLOGICA	AL SUR	VEY AND	BASED	ON THE	NORTH A	AMERICAN VE	RTICAL. DATI	UM OF 198	38	•
ELEVATION (US FEET	')		986.56			ELEVATION ((METERS)	·	300.70	<u>U</u>
No. 1 - 72 3' No. 2 - 28 5' No. 3 - 66' No. 4 - 19' No. 5 - 2 5'			سمبر	TE	O. I ELE PLIC EDESTA	OUE A	25200	AVE		SECTION
580TH ST.			0.3 * OINT			NO.	NO.5 WITNE	SS POS	_	
										SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION 681716 2 GP	S No. 8025 COUNTY APPANO	OSE STATE OWA
LOCATED IN SECTION 16 TWP 68 N R	GE 17 W USGS QUAD MAP	CENTERVILLE EAST
TO REACH FROM THE INTERSECTION OF 550th	STREET AND 250th AVENUE; GO WES	ST 0.1 MILE TO
UNUSED FIELD ENTRANCE TO NORTH AND M.	ARK.	
MARK 3-1/4" ALUMINUM DISK SET IN	10" DIAMETER POURED-IN-PLACE COI	NCRETE MONUMENT
☐ MARK EXISTING ☐ VALUES AS PUBLISHED	BY	
MARK SET	BY DENI ASSOCIATES, INC.	DATE1998
HORIZONTAL VALUES ORIGINATED ON ORDER "B' LISHED BY THE NATIONAL GEODETIC SURVEY AN	' IOWA HIGH ACCURACY REFERENCE NET D BASED ON THE NORTH AMERICAN DAT	WORK (HARN) CONTROL ESTAB- UM OF 1983, 1996 ADJUSTMENT.
IOWA COORDINATE SYSTEM, SOUTH ZONE	SCALE FACTOR:	0.99998914
COORDINATES (US FEET)	COORDINATES (METERS))
NORTHING (Y) 249152.35	NORTHING (Y)	75941.788
EASTING (X) 1831279.54	EASTING (X)	558175.121
VERTICAL VALUES ORIGINATED ON VERTICAL C THE U.S. GEOLOGICAL SURVEY AND BASED ON	ONTROL ESTABLISHED BY THE NATION. THE NORTH AMERICAN VERTICAL DAT	AL GEODETIC SURVEY AND/OR UM OF 1988.
ELEVATION (US FEET) 973.68	ELEVATION (METERS)	296.78
No. 1 - 77.5' No. 2 - 35' No. 3 - 3.1' No. 4 - 3.6'	NO.1 LONE EVERGREEN TO	SECTION
550TH ST. NO.3		NEDNED DENTRANCE SKETCH
i i i i i	- 33 1 0 21 1 ENGE	BY DSW
		DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681704 1	GPS No.	8026	COUNTY	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION	4 TWP	68 N RGE	17 W	USGS QUAD MA	AP	ENTERVILLE	EAST
TO REACH FROM THE	E INTERSECTIO	N OF 520th STRE	EET AND	248th AVENUE;	GO EAST 0.	2 MILE TO	
FIELD ENTRANCE T	O SOUTH AND I	MARK.					
MARK 3-1/							
MARK EXISTING							
MARK SET							
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON NAL GEODETIC S	ORDER "B" IOW SURVEY AND BAS	A HIGH AC SED ON T	HE NORTH AMER	RICAN DATUM	OF 1983, 1996 A	DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH Z	ONE		SCALE FACTOR	₹:	0.99998260)
COORDINATES (US FE	•			COORDINATES			
NORTHING (Y)				NORTHING (Y)			
EASTING (X)	183090	6.55		EASTING (X)		558061.432	
VERTICAL VALUES OF THE U.S. GEOLOGICA	L SURVEY AND	BASED ON THE	NORTH A	MERICAN VERT	ICAL DATUM	OF 1988.	
ELEVATION (US FEET)		941.95		ELEVATION (M	ETERS)	287.	11
TIES No 1 - 72.8' No 2 - 30' No 3 - 12.0' No 4 - 3.0'	*	\	Lo. EVE	JE ZGREEN TO	NO.1 POWER POLE	, ,	SECTION
520TH S	ENTRANCE -	NO.	NESS	FENCE			SKETCH BY DSW
							DENI 980500

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691721 4	GPS No.	8027	COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	21 TWP 69 N	RGE _	17 W	USGS QUAD	MAP	HIATTSVIL	LE
TO REACH FROM THE	E INTERSECTION OF	STATE HIG	HWAY 5	AND 493rd ST	REET; GO EAS	T 1.9 MILES	го
DOGLEG TO NORTH	I; THEN GO NORTHE	RLY AND N	IORTHEA	STERLY 0.15	MILE TO BRIDGE	; CONTINUI	=
NORTHEASTERLY 0	.2 MILE TO EAST PO	NT OF GRO	OVE AND	FIELD ROAD	NORTHWESTER	LY AND MAR	K
•							
MARK3-1/-	4" ALUMINUM DISK S	ET IN 10" D	IAMETER	R POURED-IN	-PLACE CONCRE	TE MONUME	ENT
MARK EXISTING	☐ VALUES AS PUBL	ISHED BY _					
MARK SET	☑ VALUES ESTABLI	SHED BY	DI	ENI ASSOCIA	TES, INC.	_ DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO							
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACT	OR:	0.9999766	3
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
NORTHING (Y)	280847.67			NORTHING (Y	")	85602.541	
EASTING (X)	1828742.06		_	EASTING (X)		557401.695	
VERTICAL VALUES OF THE U.S. GEOLOGICA							RVEY AND/OR
ELEVATION (US FEET)	853.86	3		ELEVATION (METERS)	260.	26
TIES							
No. 1 - 28'	CULTI VATED			NO WI	, I TNESS POST	. /	
No. 2 ~ 81.7'						7	
No 3 - 3.6' No 4 - 27'	FIEL	D ROA	D 			الر	SECTION
No. 5 - 30'					- 0		32011011
)	(3) (3			NO.3 -	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
	رث ک		كر	WOOD PUS	7 ////	/ >	ı
NUT T	REE GROVE	No.2		NO 4	W.	- NO.5	
3		GROVE TREE		END OF CULVERY	Mel		
		INCE		CULVERT.			
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							SKETCH
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							DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691704 4	GPS No	8028 COUNT	Y APPANOOSE	STATE _	IOWA
LOCATED IN SECTION	ON <u>4</u> TWP <u>69 N</u>	RGE	17 W USGS QL	IAD MAP	HIATTSVIL	LE
TO REACH FROM _	HE INTERSECTION OF	458th STREE	T AND 244th AVE	ENUE; GO SOUTH	0.3 MILE TO N	MARK.

MARK 3	-1/4" ALUMINUM DISK SI	T IN 10" DI	METER POURE	LINERI ACE CONCR	ETE MONUM	
	☐ VALUES AS PUBLI					LIVI
— ⊠ mark set						1998
	ES ORIGINATED ON ORDE	R "B" IOWA	HIGH ACCURACY	REFERENCE NETWO	RK (HARN) CC	NTROL ESTAB-
IOWA COORDINATE	SYSTEM, SOUTH ZONE		SCALE F	ACTOR:	0.9999713	3
COORDINATES (US	FEET)		COORDIN	IATES (METERS)		
NORTHING (Y)	296376.56		NORTHIN	G (Y)	90335.757	
EASTING (X)	1828529.94		EASTING	(X)	557337.039	
	ORIGINATED ON VERTIC					RVEY AND/OR
ELEVATION (US FEE	ET) 942.56		ELEVATION	ON (METERS)	287	.29
TIES No. 1 - 121' No. 2 - 2.1' No. 3 - 30'	NO. 2 WITHESS POST AT FENCE	NO. 1	- F - Z 244-TU AVE.	03 20 20 20 20 20 20 20 20 20 20 20 20 20	Pronte Er SNAG	SECTION
	e sa di	1				SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701715 3	GPS No.	8029	COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	15 TWP	70 N RGE	17 W	USGS QUAD	WAP	HIATTSVILL	E
TO REACH FROM							
168 FEET NORTH O	F THE INTERSEC	TION OF 430th	STREET	AND 250th AV	ENUE,		·····
AT FIELD ENTRANC	E TO EAST.						
MARK3-1.	4" ALUMINUM DIS	SK SET IN 10" D	IAMETER	POURED-IN-	PLACE CONCRE	TE MONUME	NT
MARK EXISTING	☐ VALUES AS P	UBLISHED BY _					
MARK SET	☑ VALUES EST	ABLISHED BY	DE	NI ASSOCIAT	res, inc.	_ DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ONAL GEODETIC SU	ORDER "B" IOW	A HIGH AC SED ON TH	CURACY REF	ERENCE NETWOR ERICAN DATUM O	K (HARN) CON F 1983, 1996 AD	ITROL ESTAB- DJUSTMENT
IOWA COORDINATE SY	STEM, SOUTH ZO	NE		SCALE FACTO	OR:	0.99996632	
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
NORTHING (Y)	312848.	05	_	NORTHING (Y)	95356.276	
EASTING (X)	1830974	.00	_	EASTING (X)		558081.992	
VERTICAL VALUES O THE U.S. GEOLOGICA ELEVATION (US FEET)	L SURVEY AND E	SASED ON THE	NORTH A	MERICAN VEF		F 1988.	
TIES	•			+			
No. 1 - 29.5'	ENTR	NCE		*			1
No. 2 - 22'					NO.2		<u> </u>
No. 3 - 7.8'	P	ND.I	-		- WITNES	S POST	1
No.4 - 62'	Ţ		' \	4/1	NO.3		SECTION
No 5 - 168'	1	!	4		WOOD FENLE	POST	
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LULTIV	ATED		250ти AVE	*			
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GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701704 1	GPS No.	8030	COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	N <u>4</u> TWP <u>70 N</u>	RGE	17 W	JSGS QUAD	MAP	MORAVIA	
TO REACH FROM TI	HE INTERSECTION OF	N. EAST ST	REET AND	E. NORTH	STREET IN MOR	RAVIA;	
GO NORTH 0.25 M	ILE TO END OF PAVEM	ENT; THEN	CONTINU	JE NORTH 1	80 FEET TO MAI	RK, NEAR	
NORTHEAST COR	NER OF MORAVIA.	····					
							
MARK 3-	1/4" ALUMINUM DISK S	ET IN 10" D	IAMETER	POURED-IN	-PLACE CONCRE	TE MONUME	NT
☐ MARK EXISTING	☐ VALUES AS PUBL	SHED BY _					
MARK SET		SHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORDI	ER "B" IOW/ Y AND BAS	A HIGH ACC	URACY REF E NORTH AM	ERENCE NETWOR ERICAN DATUM O	K (HARN) COI F 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	SYSTEM, SOUTH ZONE		;	SCALE FACT	OR:	0.99996240	
COORDINATES (US F	EET)		(COORDINATE	S (METERS)		
NORTHING (Y)	327402.45			NORTHING (Y	")	99792.466	
	1830737.64			EASTING (X)		558009.949	
VERTICAL VALUES	ORIGINATED ON VERTIC AL SURVEY AND BASE	AL CONTRO	DL ESTABL	ISHED BY THE	THE NATIONAL G	EODETIC SUR DF 1988.	VEY AND/OR
ELEVATION (US FEE	T) 992.74	<u> </u>	_ '	ELEVATION	(METERS)	302.5	59
TIES			·	-T ()			•
No 1 - 4.5'		}	1 1	(1)	}		
No 2 - 4.0'		70	.	}	•		
No. 3 - 25'		/ <u>/×</u>	1,-1	1 1)	:	
No 4 - 181'		1	1 4	NO.3 Y	/		SECTION
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GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701718	3	_GPS No.	8031	COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	18 TW	/P	RGE	17 W	USGS QUAD	MAP	HIATTSVILL	Ε
TO REACH FROM								
AT THE INTERSECTI	ON OF HIG	HWAY J5T	AND 430th	STREE	T, NEAR THE	NORTHWEST		
CORNER OF CEMET	ERY.							
							<u>.,,</u>	
MARK3-1/4	4" ALUMINU	JM DISK SE	T IN 10" D	IAMETER	R POURED-IN	-PLACE CONCR	ETE MONUMEI	NT
MARK EXISTING	☐ VALUE	S AS PUBLIS	SHED BY _					
MARK SET	⊠ VALUE	S ESTABLIS	HED BY _	Di	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO								
OWA COORDINATE SY	STEM, SOU	TH ZONE			SCALE FACT	OR:	0.99996634	
COORDINATES (US FE	ET)				COORDINATE	S (METERS)		
NORTHING (Y)	31	12660.23		_	NORTHING (Y	')	95299.028	
EASTING (X)	18	15196.25		_	EASTING (X)		553272.924	
VERTICAL VALUES OF THE U.S. GEOLOGICAL								/EY AND / OF
ELEVATION (US FEET)		972.17		_	ELEVATION	(METERS)	296.3	2
TIES No. 1 - 50 7' No. 2 - 3 9' No. 3 - 4 3' No. 4 - 194' N	0.1	No. 2 WITHE POST			WC).3)OD ENLE POST	*	SECTION
	CO. 11WY. JST		NO. 4			CEMETER & CHAPEL		SKETCH BY DSW
	}		<u>6</u>		430m	u ST.		DENI 000500

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691801 1	GPS No	8032	COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTIO	N 1 TWP 69	N RGE	18 W	USGS QUAD	WAP	MYSTIC	
TO REACH FROM _T	HE INTERSECTION OF	461st STREE	ET AND	458th STREET	T; GO SOUTHV	VESTERLY 0.5	MILE
TO MARK. ALSO,	500 FEET, MORE OR L	ESS, NORTH	EASTER	LY OF RAILR	OAD CROSSIN	G	
MARK 3-	1/4" ALUMINUM DISK	SET IN 10" DI	AMETER	POURED-IN-	PLACE CONCE	RETE MONUME	NT
MARK EXISTING	☐ VALUES AS PUB	LISHED BY					
MARK SET	☑ VALUES ESTABL	ISHED BY	DE	NI ASSOCIA	res, INC.	DATE	1998
	S ORIGINATED ON ORI						
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACTO	OR:	0.99997130)
COORDINATES (US	FEET)			COORDINATE	S (METERS)		*
NORTHING (Y)	296347.76		_	NORTHING (Y)	90326.978	
EASTING (X)	1813273.39		_	EASTING (X)		552686.835	
	CAL SURVEY AND BAS						35
TIES No. 1 - 20' No. 2 - 30' No. 3 - 25 5'	LONE EUS AT FENCE	NO.I WITNESS POST	Walst	/ /		LONE	SECTION
	g/	/	yr,				SKETCH
							BY DSW
	and the second s	/	.*			į.	DENI DODEDOS

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO ILLINOIS

DESIGNATION	691813 2	GPS No	8033	_ COUNTY _	APPANOOSE	STATE	IOWA
	N 13 TWP 69						
	HE INTERSECTION OF						
	Y DENINGER" RESIDE						
MARK 3-	1/4" ALUMINUM DISK	SET IN 10" DI	AMETER	R POURED-IN-	PLACE CONCR	ETE MONUME	NT
MARK EXISTING	VALUES AS PUB	LISHED BY					
MARK SET	X VALUES ESTABL	ISHED BY	DI	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORI	DER "B" IOWA EY AND BAS	HIGH A	CCURACY REF	ERENCE NETWOF ERICAN DATUM C	RK (HARN) COI DF 1983, 1996 AI	NTROL ESTAB- DJUSTMENT
IOWA COORDINATE S	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997663	<u> </u>
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	280745.09		_	NORTHING (Y	·)	85571.276	
EASTING (X)	1815431.11			EASTING (X)		553344.510	
VERTICAL VALUES	ORIGINATED ON VERT	ICAL CONTRO	OL ESTA	BLISHED BY T	THE NATIONAL G	SEODETIC SUR	
ELEVATION (US FEE	T) 980.	\$ 0		ELEVATION ((METERS)	298.	83
TIES				<u> </u>			
No 1 - 1.8'		ND.2		+			
No 2 - 2.4'		WOOD	GATE	POST			
No 3 - 18.0' No 4 - 36.5'							SECTION
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GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	6817	706 4	GPS N	o. <u>8034</u>	COUNTY	APPANC	OSE STAT	re <u>IOWA</u>
LOCATED IN SECTION	1 6	TWP	68 N RGE	17 W	_ USGS QUAD	MAP	CENTERV	'ILLE EAST
TO REACH FROM TH	HE INTER	SECTION	OF S. 21st S	TREET AN	D E. WALSH,	IN SOUTHE	AST CENTER	VILLE;
GO SOUTH 200 FEE	ET TO MA	RK, NEA	R SOUTHWE	ST CONER	OF WATER 1	OWER PRO	PERTY.	
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
MARK3-1	1/4" ALUM	INUM DIS	SK SET IN 10	" DIAMETEI	R POURED-IN	I-PLACE CC	NCRETE MOI	NUMENT
MARK EXISTING	☐ VAL	UES AS P	UBLISHED BY	<u> </u>				
MARK SET	X VAL	UES ESTA	ABLISHED BY	D	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	ONAL GEO	TED ON (ORDER "B" K JRVEY AND I	OWA HIGH A BASED ON T	CCURACY REF	ERENCE NE JERICAN DA	TWORK (HARI TUM OF 1983, 1	N) CONTROL ESTAB- 1996 ADJUSTMENT
IOWA COORDINATE S	YSTEM, S	OUTH ZO	NE		SCALE FACT	ror:	0.999	98286
COORDINATES (US F	EET)				COORDINAT	ES (METERS	3)	
NORTHING (Y)		264241.	36		NORTHING (Y)	8054	0.927
EASTING (X)					EASTING (X)	55374	4.897
VERTICAL VALUES (BLISHED BY	THE NATION	NAL GEODETIC	SURVEY AND/OR
THE U.S. GEOLOGIC	AL SURVE	EY AND E	BASED ON TH	HE NORTH	AMERICAN VE	RTICAL DA	TUM OF 1988.	
ELEVATION (US FEET	T)	10	02.59		ELEVATION	(METERS) _		305.59
TIES No. 1 - 23.7' No. 2 - 34' No. 3 - 46.8' No. 4 - 46.5'	int	couc. Prat. 21 ST ST.	¢		"CENTE WATER	RVILLE" TANK		SECTION
6-BAY GAZAGE BLDG.	NO			NO. 4 WI	ـــــــــــــــــــــــــــــــــــــ	NER POL		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681813 2	GPS No.	8035	COUNTY	APPANO	OSE S	STATE _	IOWA
•	N 13 TWP 68			_				
	HE INTERSECTION OF							

MARK 3-	1/4" ALUMINUM DISK	SET IN 10" DI	AMETER	POURED-IN-	PLACE COI	NCRETE	MONUME	NT
☐ MARK EXISTING	☐ VALUES AS PUB	LISHED BY						
MARK SET	☑ VALUES ESTABL	ISHED BY	DE	NI ASSOCIAT	ES, INC.	D/	ATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORI	DER "B" IOWA 'EY AND BAS	HIGH AC	CURACY REFE	RENCE NET	WORK (H UM OF 198	IARN) COI 83, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACTO	PR:	0.	99998904	
COORDINATES (US	EET)			COORDINATE	S (METERS))		
NORTHING (Y)	249282.02			NORTHING (Y)		7:	5981.311	
	1815711.65			EASTING (X)		550	3430.017	
THE U.S. GEOLOGIC	ORIGINATED ON VERT	ED ON THE	NORTH A	MERICAN VER	TICAL DAT	UM OF 19	988	
ELEVATION (US FEE	T) 1008.4	47		ELEVATION (I	METERS)		307.	38
No 2 - 35'	USTORY WHITE FRAN RESIDENCE	1E	E GRAV	EL DRIVE				
No 3 - 3.3' No 4 - 66 5'	3 0 (NO.1					SECTION
					្រ			
		M S E			IIWY.			1
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)	NO. 2 WOOD							
	WOOD FENCE POST	+						
GRID WIRE	W/WOOD POSTS				T NO)4		SKETCH
X	^ /	- Q-Z-			 			BY DSW
	NO.3 WITHESS POST		,				ļ	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681836 3	3	GPS No.	8036	_ COUNTY _	APPAN	OOSE	_ STATE _	IOWA
LOCATED IN SECTION	36 TWP	68 N	_ RGE _	18 W	USGS QUAD	MAP	CEI	NTERVILLE	WEST
TO REACH FROM TH	E INTERSEC	TION OF S	TATE HIG	HWAY 5	AND 210th A\	/ENUE; (30 SOU	TH 0.15 MILE	TO
MARK, AT FIELD EN	TRANCE GA	TE NEAR N	IORTHWE	ST COR	VER OF RESI	DENCE Y	ARD.		
MARK3-1/	4" ALUMINUI	M DISK SE	T IN 10" D	IAMETER	POURED-IN	-PLACE C	ONCRE	TE MONUME	:NT
☐ MARK EXISTING	☐ VALUES	AS PUBLIS	HED BY _						
MARK SET	▼ VALUES	ESTABLISH	ED BY	DE	NI ASSOCIA	TES, INC.		DATE	1998
HORIZONTAL VALUES	ORIGINATED	ON ORDEFIC SURVEY	R"B" IOW	A HIGH AC	CURACY REF	ERENCE N ERICAN D	IETWORK ATUM OF	((HARN) CO 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUT	H ZONE			SCALE FACT	OR:	_ ,,,,,	0.99999620)
COORDINATES (US FE	ET)				COORDINATE	S (METER	RS)		
NORTHING (Y)	233	271.92			NORTHING (Y	'n		71101.423	
EASTING (X)	181	0703.84			EASTING (X)			551903.634	
VERTICAL VALUES O	RIGINATED O	N VERTICA	L CONTRO	OL ESTA	BLISHED BY 1	THE NATIO	ONAL GE	ODETIC SUR	VEY AND/OR
THE U.S. GEOLOGICA									•
ELEVATION (US FEET)		999.82			ELEVATION	(METERS)		304.	75
TIES No 1 - 37' No 2 - 32' No 3 - 11 0' No 4 - 45'	210 TH AVE.		A N	 No.3	JESS PO		· · · · · · · · · · · · · · · · · · ·	0F Z)	SECTION
					I STORY W FILDENE RECIDEN				BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671719 1	_GPS No	8037	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	19 TWP 67 N	RGE	17 W	USGS QUAD	MAP	OMAHA	
TO REACH FROM							
AT THE INTERSEC	TION OF 605th STREET	AND 226th	AVENU	E, IN THE SOL	JTHEAST QUAD	RANT.	
		·····					
MARK 3-	1/4" ALUMINUM DISK SE	T IN 10" DI	AMETER	R POURED-IN	PLACE CONCRI	ETE MONUME	NT
MARK EXISTING	☐ VALUES AS PUBLIS	SHED BY _					
MARK SET	X VALUES ESTABLIS	HED BY	DI	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	S ORIGINATED ON ORDE ONAL GEODETIC SURVE	R "B" IOWA AND BAS	HIGH AC	CCURACY REF. HE NORTH AM	ERENCE NETWOR ERICAN DATUM C	RK (HARN) CO DF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	1.00000421	
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	216827.07		·	NORTHING (Y)	66089.023	
EASTING (X)	1820117.94			EASTING (X)		554773.058	
THE U.S. GEOLOGIC	ORIGINATED ON VERTIC AL SURVEY AND BASEI	ON THE	NORTH A	MERICAN VE	RTICAL DATUM (OF 1988.	
ELEVATION (US FEE	T) <u>866.77</u>		_	ELEVATION	[MEIERS)	204.	10
TIES No. 1 - 30' No. 2 - 79' No. 3 - 52 2' No. 4 - 2 6'	605-	SZ6+ AVE.	NO.	NO.3	ENCE POST		SECTION
	NO	7		NO.2 WITH	I VESS POST FENCE		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671822 1	GPS No.	8038	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTIO	N <u>22</u> TWP <u>67</u>	N RGE	18 W	USGS QUAD	MAP	MENDOTA	
TO REACH FROM T	HE INTERSECTION OF	COUNTY HI	GHWAY	T20 AND 614	th STREET, NEA	R THE	
MISSOURI BORDE	R; GO NORTHERLY	0.3 MILE TO F	FIELD EN	TRANCE TO	WEST AND MAR	K.	
					,-u,		
MARK 3-	1/4" ALUMINUM DISK	SET IN 10" DI	AMETER	POURED-IN	PLACE CONCR	ETE MONUME	NT TV
MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	☑ VALUES ESTABL	ISHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORI	DER "B" IOWA EY AND BAS	HIGH AC	CURACY REF HE NORTH AM	ERENCE NETWOR ERICAN DATUM O	K (HARN) CON F 1983, 1996 AD	ITROL ESTAB- JUSTMENT
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	1.00000453	<u> </u>
COORDINATES (US	FEET)			COORDINATE	S (METERS)		
NORTHING (Y)	216072.95			NORTHING (Y	')	65859.165	
EASTING (X)	1804819.93		_	EASTING (X)		550110.215	
	ORIGINATED ON VERT						/EY AND / OR
ELEVATION (US FEE	T)1018.7	70		ELEVATION	(METERS)	310.5	0
TIES		·					
No. 1 - 41'	\		\	\			
No. 2 - 5.2'	\		\	\		·	!
No 3 - 22.3'	*	**	\$ \ \	, 1			<u> </u>
No 4 - 70.3'	\			\ '	\		SECTION
	1				\		
	Ì			()	10.4		
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Pos	T //7	FIE	RANLE	:	\ \		4
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I W	100D \\			11	CD. HWY. T20		Ψ
F	ENCE POST			/	、 き \		1
	j.	NO.3			1 1		
	//	WOOD A	ENCE	POST	/ B /		
		}			\		SKETCH
					/ /	\	BY DSW
		*			1	1	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671804 1	GPS No	8039	COUNTY _	APPANOOS	E STATE	IOWA
LOCATED IN SECTION	N 4 TWP 67 N	RGE	<u>18 W</u> ບ	SGS QUAD	MAP	CENTERVILLE	WEST
TO REACH FROM TH	HE INTERSECTION OF	STATE HIGH	IWAY 5 AN	ID 195th A\	/ENUE, IN THE	CENTER OF	
CINCINNATI; GO	NORTH 0.4 MILE TO M	ARK, SOUTH	OF SOUT	HWEST CC	RNER OF CEN	METERY, 400 FE	ET,
MORE OR LESS.							
MARK 3-	1/4" ALUMINUM DISK S	SET IN 10" DI	AMETER F	OURED-IN	-PLACE CONC	RETE MONUME	NT
☐ MARK EXISTING	VALUES AS PUBI	.ISHED BY					
MARK SET	▼ VALUES ESTABLE Output Description Output Description Outp	SHED BY	DEN	I ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORE IONAL GEODETIC SURV	ER "B" IOWA EY AND BAS	HIGH ACC	URACY REF	ERENCE NETWI	ORK (HARN) CO 1 OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT
IOWA COORDINATES	SYSTEM, SOUTH ZONE		s	CALE FACT	OR:	0.99999653	3
COORDINATES (US F	FEET)		c	OORDINATI	ES (METERS)		
NORTHING (Y)	232488.49		_ N	ORTHING ()	n	70862.634	
EASTING (X)	1800087.96		E	ASTING (X)		548667.908	
VERTICAL VALUES	ORIGINATED ON VERTI	CAL CONTRO	DL ESTABL NORTH AM	ISHED BY ' ERICAN VE	THE NATIONAL RTICAL DATUM	GEODETIC SUR I OF 1988.	RVEY AND/OR
ELEVATION (US FEE	T)1012.3	9	E	LEVATION	(METERS)	308.	58
TIES					٠-٦١		
No. 1 - 112'					701)		
No. 2 - 13.0'		ĺ	ئنا		7		
No. 3 - 25.4'			₹		4~~/		SECTION
					1		SECTION
	NO. I		95		_		
	4 2' Co	UC.	1		10}		
	BOX		\hat{o}		<u> </u>		1
	WINER		72		19/		.
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		.	CO. ROAD T2	Υ	J		
	The state of the s	1	0.1		र््र		
NI W).2 ITNESS POST.		7				(N)
1	15 10203 1030		4		30 5		
	\ <u>\</u>	7 ,	No.	3	*		
	,				1		SKETCH
	Ì						BY DSW
							DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

						_	
	681821 1						
LOCATED IN SECTION	ON <u>21</u> TWP <u>68</u>	N RGE _	18 W	USGS QUAD N	AP	CENTERVILLE	WEST
TO REACH FROM _	THE INTERSECTION O	F 550th STRE	ET AND 1	95th AVENUE	E; GO WEST	D.5 MILE TO	
FIELD ENTRANCE	SOUTH 25 FEET WES	ST OF NORTH	I-SOUTH S	SECTION LIN	E FENCE.		
MARK3	-1/4" ALUMINUM DISK	SET IN 10" D	IAMETER	POURED-IN-	PLACE CONCI	RETE MONUME	ENT
MARK EXISTING	VALUES AS PUB	LISHED BY _					
MARK SET	🛛 VALUES ESTABI	ISHED BY	DEI	VI ASSOCIAT	ES, INC.	DATE	1998
HORIZONTAL VALUE	ES ORIGINATED ON ORI TIONAL GEODETIC SURV	DER "B" IOWA EY AND BAS	A HIGH ACC	CURACY REFE E NORTH AME	RENCE NETWO	ORK (HARN) CC OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE	SYSTEM, SOUTH ZONE		;	SCALE FACTO	OR:	0.9999891	7
COORDINATES (US	FEET)			COORDINATE	S (METERS)		
NORTHING (Y)	248874.15		'	NORTHING (Y)		75856.993	
EASTING (X)	1799704.55		1	EASTING (X)		548551.045	
	ORIGINATED ON VERT						RVEY AND/OR
	CAL SURVEY AND BAS						
ELEVATION (US FE	ET)1016.9	95	_ 	ELEVATION (I	METERS)	309.	97
TIES							
No. 1 - 42 5'	·		ж-	— 			
No. 2 - 17 5' No. 3 - 2.1'							
No 4 - 98'							SECTION
No. 5 - 28.6'							
			NO	. 1	_ -		
	550 tu St.	4	- 1			*	1
		_					
	NO. 2			FIELD FURKANCE	-i		
	POWER PO	LE.	\downarrow	FIELD UTRAK	<i>[</i> [4
		<u>-</u> O-	Z#Z		1		
		~~~~c		-		×	
		/	/	Λ	105		l
		10.3-VITUESS		.4 OD GATE	NO.5 POST		
	Ř	VITUESS OST	NU		1 (
					7		SKETCH
	HAYFIELD						BY DSW
Ĭ.					1	i	DENI OCCEDOS

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, !LLINOIS

DESIGNATION	681804 1	_GPS No.	8041	COUNTY	APPANOOS	SE STATE _	IOWA
LOCATED IN SECTION	4 TWP68 N	RGE	18 W	USGS QUAD N	/AP	CENTERVILLE	WEST
TO REACH FROM TH	E INTERSECTION OF 5	20th STRE	ET AND	183rd AVENUE	E; GO EAST	0.6 MILE TO	
FIELD ENTRANCE T	O SOUTH AND MARK.			w <u></u>			
MARK 3-1	/4" ALUMINUM DISK SE	T IN 10" D	IAMETER	R POURED-IN-	PLACE CONC	RETE MONUME	ENT
MARK EXISTING	☐ VALUES AS PUBLIS	HED BY _					
MARK SET	☑ VALUES ESTABLIS	HED BY	DI	ENI ASSOCIAT	ES, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORDE	R "B" IOW/ ' AND BAS	A HIGH AC	CCURACY REFE HE NORTH AME	RENCE NETW	ORK (HARN) CC // OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACTO	R:	0.9999826	4
COORDINATES (US FE	ET)			COORDINATES	S (METERS)		
NORTHING (Y)	264676.87			NORTHING (Y)		80673.671	
EASTING (X)	1799091.48		<u>-</u>	EASTING (X)		548364.179	
THE U.S. GEOLOGICA	RIGINATED ON VERTICAL SURVEY AND BASED 975.19	ON THE	NORTH A	MERICAN VER	TICAL DATUN	OF 1988	
TIES No. 1 - 28' No. 2 - 12.3' No. 3 - 5.0'	X	×		*	· · · · · · · · · · · · · · · · · · ·	***************************************	SECTION
DRIVE 7 300' -	520 to 005E	u ST.	k l	IO Z' NOOD GATE	POST,	NO.1	(2)
I STORY LT. BLUE RESIDE		= T U	' 2 E		NO 3 WITHE	SS POST	SKETCH BY DSW
		eregion and and				j	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691816 2	GPS No.	8042	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	1 <u>16</u> TWP 69 N	RGE _	18 W	USGS QUAD	MAP	MYSTIC	www
TO REACH FROM							
AT THE INTERSEC	TION OF 490th STREET	AND 190th	AVENUE	E, NEAR			
SOUTHEAST CORN	IER OF MYSTIC.					·	

MARK 3-1	/4" ALUMINUM DISK S	ET IN 10" D	IAMETER	POURED-IN	-PLACE CONCRE	ETE MONUME	NT
MARK EXISTING	☐ VALUES AS PUBL	SHED BY _					
MARK SET	☑ VALUES ESTABLIS	SHED BY	DE	NI ASSOCIA	TES, INC.	_ DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDI	ER "B" IOW/ Y AND BAS	A HIGH AC	CURACY REF	ERENCE NETWOR ERICAN DATUM O	K (HARN) CO F 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997664	
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	280608.96			NORTHING (Y	")	85529.782	
	1799556.38			EASTING (X)	*****	548505.882	
VERTICAL VALUES O	PRIGINATED ON VERTICAL SURVEY AND BASE	AL CONTRO	— OL ESTAB	BLISHED BY	THE NATIONAL G	EODETIC SUR	VEY AND/OR
ELEVATION (US FEET	945.35	j		ELEVATION	(METERS)	288.	14
TIES	No	. i					
No 1 - 7.0'	NO.2 WO	OD FENI	CE POS	5T	AVE		ļ ;
No. 2 - 3.9'	NO.2 WITNESS		_ \	9	; I		
No. 3 - 5 6'	WITHOU	ובטקי))		다		
No 4 - 41'		(_		2	j	SECTION
No. 5 - 40'	NO.3		\times		1		
	WOOD FENCE PO	ST	+	i	W NO.5	<u> ۲</u> ٠٠٠	
		_,			9 100.5	$\prec \downarrow \rangle$	1
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<u> </u>		€ PROD. NO.			1		
1-30 TH.	_ `\	אטי	- T	i	/		
490 PH 5	2)~ /			/	1		(J)
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							SKETCH
				I			BY DSW
							DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691803 4	_GPS No	8043	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	3 TWP 69 N	RGE	18 W	USGS QUAD I	MAP	MYSTIC	
TO REACH FROM TH	E INTERSECTION OF (OUNTY H	GHWAY	J5T AND 190	h AVENUE; GC	EAST	
0.1 MILE TO FIELD E	ENTRANCE NORTH AN	D SOUTH A	AND MAF	RK.		<u></u>	
MARK3-1.	/4" ALUMINUM DISK SE	T IN 10" DI	AMETER	R POURED-IN-	PLACE CONCR	ETE MONUME	NT
MARK EXISTING	☐ VALUES AS PUBLIS	SHED BY					
MARK SET		HED BY	DI	ENI ASSOCIA	res, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORDE	R "B" IOWA AND BAS	HIGH AC	CURACY REF	ERENCE NETWOF ERICAN DATUM C	RK (HARN) COI DF 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACTO	OR:	0.99997125	5
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
NORTHING (Y)	296420.81		_	NORTHING (Y)	90349.242	
EASTING (X)	1799990.19		_	EASTING (X)		548638.106	
VERTICAL VALUES OF THE U.S. GEOLOGICA	RIGINATED ON VERTICAL SURVEY AND BASE	AL CONTRO	DL ESTAI NORTH A	BLISHED BY T AMERICAN VEI	THE NATIONAL ORTICAL DATUM (SEODETIC SUR DF 1988.	VEY AND/OR
ELEVATION (US FEET	987.49			ELEVATION (METERS)	300.9	99
No. 1 - 56.0' No. 2 - 25' No. 3 - 14' No. 4 - 3.6'	- / >	×	·	FIELD ENTRANCE			SECTION
	JY J5T WO. 2 WITHESS	NO.1		NO. 4 WOOD 64	•	мт. 	SKETCH BY DSW
CULTIVET	ED		-	ALS KOOM	IE TUST		DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701	1804 4		_GPS No.	8044	COUNTY _	APPANOO	SE_STATE_	IOWA
LOCATED IN SECTION	4	TWP _	70 N	_ RGE _	18 W	USGS QUAD	MAP	ICONIUN	Λ
TO REACH FROM									
AT THE INTERSECT	ION OF	400th S	TREET	AND 185tl	h AVENU	E, SOUTH OF	MONROE-AF	PANOOSE COL	INTY LINE.
MARK3-1	/4" ALUI	MINUM I	DISK SE	T IN 10" E	IAMETE	R POURED-IN	-PLACE CON	CRETE MONUM	ENT
☐ MARK EXISTING	☐ VA	LUES AS	S PUBLIS	HED BY _		*****			
MARK SET	⊠ va	LUES ES	STABLISH	ED BY	D	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGIN	IATED OI	N ORDER	R "B" IOW AND BA	'A HIGH A SED ON 1	CCURACY REF	ERENCE NETV ERICAN DATU	VORK (HARN) CO M OF 1983, 1996	ONTROL ESTAB- ADJUSTMENT.
IOWA COORDINATE S	YSTEM,	SOUTH	ZONE			SCALE FACT	OR:	0.9999622	26
COORDINATES (US FE	EET)					COORDINATE	S (METERS)		
NORTHING (Y)	.,	32771	15.37			NORTHING (Y	") <u> </u>	99887.845	5
EASTING (X)		17965	06.92			EASTING (X)		547576.404	4
VERTICAL VALUES OF									RVEY AND/OR
ELEVATION (US FEET)		980.72		_	ELEVATION	(METERS)	298	3.92
TIES			١						
No. 1 - 119'		NO. I	1 6	80.00	275	Bru Str		ROE CO.	
No. 2 - 84 2'		_	1 6.	1-1000	400				
No. 3 - 73' No. 4 - 28'	×	q						·	SECTION
No. 5 - 23 5'		87	\		,				SECTION
		16			1	γ×		γ	
NO. 2 WOOD			1	نى		0-			
∆ ∆TE	POST			₹	1			· ·	
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			1	185714					
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		1		•					
NO.3						\			(A)
WOOD FENCE PI	96-]
PENCE P	ادر					ļ			
NO.4		1		4					
WITHESS	POST.		<u> </u>	N	0.5				SKETCH
		1				*			BY DSW
		Į							DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	70192	3 1	GPS No.	8045	_ COUNTY	APPAN	OOSE	_STATE _	IOWA
LOCATED IN SECTION	23 T	WP 70 N	RGE _	19 W	USGS QUAD	MAP		PLANO	
TO REACH FROM TH	E INTERS	ECTION OF	35th STRE	ET AND	150th AVENL	JE; GO NO	ORTH 0.4	MILE TO	
A FIELD ENTRANCE	TO WEST	AND MARK				·			
		·····							· · · · · · · · · · · · · · · · · · ·
		·····							
MARK 3-1/					'				
MARK EXISTING			_						
MARK SET	⊠ VALU	ES ESTABLIS	HED BY	DE	NI ASSOCIA	TES, INC.		DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO									
IOWA COORDINATE SY	STEM, SO	UTH ZONE			SCALE FACT	OR:		0.9999665	4
COORDINATES (US FE	ET)				COORDINATI	ES (METER	S)		
NORTHING (Y)		311718.46			NORTHING (Y	′)		95011.977	
EASTING (X)	1	778094.35		·	EASTING (X)		į	541964.243	1
VERTICAL VALUES OF	L SURVEY	AND BASEL	ON THE	NORTH A	MERICAN VE	RTICAL DA	TUM OF	1988	
ELEVATION (US FEET)		951.05		·······	ELEVATION	(METERS)		289	.88
No. 1 - 63.9' No. 2 - 4.1' No. 3 - 26'		NO.1	ER POLE	0=-					SECTION
VIEW CF LAKE	<i>A</i>	NO.2 WITH	2.5 ESS POS		FIELD	 	10.3		2
						150Tu AVE.			SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691806 4	GPS No.	8046	_ COUNTY _	APPANOO	SE STATE _	IOWA
	N <u>6</u> TWP 69 N						
TO REACH FROM TI	HE INTERSECTION OF	COUNTY H	IGHWAY	J5T AND 1601	th AVENUE;	GO EAST 0.2 MIL	.E
TO FIELD ENTRAN	CE TO SOUTH AND MA	ARK.					
MARK3-	1/4" ALUMINUM DISK S	ET IN 10" D	IAMETER	POURED-IN-	PLACE CON	CRETE MONUME	NT
☐ MARK EXISTING	☐ VALUES AS PUBL	ISHED BY _					
MARK SET	▼ VALUES ESTABLI	SHED BY _	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED ON ORD IONAL GEODETIC SURVE	ER "B" IOWA	A HIGH AC	CURACY REF	ERENCE NETV ERICAN DATU	VORK (HARN) CO M OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997127	7
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	296276.91		_	NORTHING (Y	")	90305.383	
EASTING (X)	1784735.95		****	EASTING (X)		543988.605	
THE U.S. GEOLOGIC	ORIGINATED ON VERTIC AL SURVEY AND BASE T) 1004.1	D ON THE	NORTH A	MERICAN VE	RTICAL DATU	M OF 1988	
No 1 - 42' No 2 - 24 7' No 3 - 4 3' No 4 - 55 0'							SECTION
C	O. HWY. J5T	£	NO.	•	COWE. PVM7		1
NO LONE LONE LONE PRIECH TREE	NO 2 NO CD FE	NCE POST	NU.)ST	FALLO	SKETCH
	/ 2	: ULT / 1	IATE	D		;	BY DSW
	1					ì	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691819 4	_GPS No	8047	_ COUNTY _	APPANOOSE	_ STATE _	IOWA
LOCATED IN SECTION							
TO REACH FROM							
	ON OF 490th STREET			IN THE SOU	THEAST QUADR	ANT.	
			,			· · · · · · · · · · · · · · · · · · ·	
MARK3-1/	4" ALUMINUM DISK SE	ET IN 10" DI	AMETER	POURED-IN-	PLACE CONCRE	TE MONUME	NT
☐ MARK EXISTING	☐ VALUES AS PUBLI	SHED BY					
MARK SET	▼ VALUES ESTABLIS	HED BY	DE	NI ASSOCIAT	res, inc.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORDE	R "B" IOWA Y AND BAS	HIGH AC	CURACY REFI	ERENCE NETWORK ERICAN DATUM OF	((HARN) COI 7 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACTO	OR:	0.99997671	
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
NORTHING (Y)	280299.09		_	NORTHING (Y)	85435.333	
EASTING (X)				EASTING (X)		543727.111	
VERTICAL VALUES OF	RIGINATED ON VERTIC	AL CONTRO	— DL ESTAI	BLISHED BY T	HE NATIONAL GE	EODETIC SUR	
ELEVATION (US FEET)	1008.86		_	ELEVATION (METERS)	307.	50
TIES No. 1 - 182' No. 2 - 42' No. 3 - 49' No. 4 - 2.5' No. 5 - 4 6'	`	X	_ ×	×	JR W	SALVA Conti	SECTION
60 ги AVE.		- NO WI	.4 TNESS	N0.2 € - 1 6 P0ST	GP.	10.3	SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691936 2	GPS No	8048 COU	NTY AF	PANOOSE	_STATE _	IOWA
LOCATED IN SECTION	i <u>36</u> TWP <u>69</u>	N RGE	19 W usgs	QUAD MAP	CEN	ITERVILLE	WEST
TO REACH FROM TH	HE INTERSECTION O	F STATE HIGH	WAY 2 AND 16	0th AVENU	E; GO SOUT	H 0.9 MILE	
TO FIELD ENTRAN	CE TO WEST AND M.	ARK.					
						,	

MARK 3-1	/4" ALUMINUM DISK	SET IN 10" DIA	AMETER POUR	ED-IN-PLA	CE CONCRET	E MONUME	NT
·	☐ VALUES AS PUE						
MARK SET						DATE	1998
HORIZONTAL VALUES	ORIGINATED ON OR	DER "B" IOWA	HIGH ACCURAC	Y REFEREN	CE NETWORK	(HARN) CO	NTROL ESTAB-
IOWA COORDINATE S	YSTEM, SOUTH ZONE	.	SCALE	FACTOR:		0.9999823	5
COORDINATES (US F	EET)		COORI	- DINATES (M	ETERS)		
NORTHING (Y)	265321.22		_ NORTH	IING (Y)	-	80870.070	
EASTING (X)							
VERTICAL VALUES OF							EVEY AND/OR
ELEVATION (US FEET	1028.	79	_ ELEVA	TION (METE	RS)	313.	58
TIES							
No 1 - 14'	1	\\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	TEST	P			t .
No. 2 - 25'		\/ \		/	0.4		-
No 3 - 34 5'		1510		F	OWER PO		
No 4 - 76.8'	−€ ⊤ €	MOI L		* •	I/BIRDAO	NZE.	SECTION
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CULTIVA	ITED (]			
	í		2				SKETCH
	}	i	F	1			BY DSW
	}		Co. T12	<u></u>	>		DENII 0905003

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	6819	13 2		_GPS No.	8049	COUNTY _	APPANO	OOSE	_ STATE _	AWO!
LOCATED IN SECTION	13	TWP	68 N	_ RGE _	19 W	USGS QUAD I	MAP	CEI	NTERVILLE	WEST
TO REACH FROM				, <u></u>					···	
AT THE INTERSECT	TION OF C	COUNT	Y HIGH	WAY J46	/ MAIN ST	FREET AND B	RICK,			
NEAR THE SOUTH	VEST CO	RNER	OF NUM	IA.						
MARK 3-1	/4" ALUM	INUM E	ISK SE	T IN 10" E	NAMETER	R POURED-IN-	PLACE CO	ONCRE	TE MONUME	NT
☐ MARK EXISTING				_						
MARK SET	▼ VAL	UES ES	TABLISH	HED BY	DI	ENI ASSOCIA	TES, INC.		DATE	1998
HORIZONTAL VALUES	ORIGINA	TED ON	I ORDEF SURVEY	R "B" IOW AND BA	'A HIGH AC SED ON T	CCURACY REF	ERENCE NE ERICAN DA	TUM OF	((HARN) CO 1983, 1996 A	NTROL ESTAB- DJUSTMENT
IOWA COORDINATE S	YSTEM, S	OUTH 2	ZONE			SCALE FACTO	OR:		0.99998919	9
COORDINATES (US FI	EET)					COORDINATE	S (METER	S)		
NORTHING (Y)		24870	4.16			NORTHING (Y)		75805.180	
EASTING (X)		178339	1.72			EASTING (X)			543578.883	
VERTICAL VALUES OF THE U.S. GEOLOGICA	AL SURVE	Y AND	BASED	ON THE	NORTH A	AMERICAN VEI	RTICAL DA	TUM OF	= 1988	
ELEVATION (US FEET	")	1	040.86	~ 1 \ 	_	ELEVATION (MEIEKS)	·	317.	20
No. 1 - 4.5' No. 2 - 18.0' No. 3 - 35' No. 4 - 24.8'	<u>AT</u>	NESS	W FE POST			MAIN	Z - E BRICK	W SAAVEL		SECTION
	1	×_		>						SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

	004000	A	0050	AA: 11.1~	ADDANGGO	6-1	10/4/4
DESIGNATION							
LOCATED IN SECTION							WEST
TO REACH FROM TH	E INTERSECTI	ON OF 580th STRE	ET AND	153rd AVENU	E; GO EAST 0.	4 MILE	
TO FIELD ENTRAN	CE TO NORTH A	AND MARK.			·····		
					,,,,		····
						· · · · · · · · · · · · · · · · · · ·	
MARK 3-1	1/4" ALUMINUM	DISK SET IN 10" D	IAMETER	POURED-IN-	PLACE CONCE	RETE MONUM	ENT
☐ MARK EXISTING	☐ VALUES A	S PUBLISHED BY _					
MARK SET	X VALUES ES	STABLISHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	S ORIGINATED O	N ORDER "B" IOW	A HIGH AC	CURACY REF	ERENCE NETWO	RK (HARN) CC	NTROL ESTAB-
IOWA COORDINATE S	YSTEM, SOUTH	ZONE		SCALE FACTO	OR:	0.9999962	8
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	2329	12.15		NORTHING (Y)	70991.766	
EASTING (X)	17835	43.96		EASTING (X)		543625.286	,
VERTICAL VALUES (ORIGINATED ON	VERTICAL CONTR	OL ESTAI	BLISHED BY T	THE NATIONAL REPORTED TO THE REPORT OF THE T	GEODETIC SUF OF 1988.	RVEY AND / OR
ELEVATION (US FEET	r)	1033.11		ELEVATION (METERS)	314.	89
TIES No. 1 - 12 5' No. 2 - 9 3' No. 3 - 2 0' No. 4 - 33 5'		LVERT I	WOOD GATE		NO.3 WITNESS	POST	SECTION
							SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671819 4	GPS No	8051	_ COUNTY _	APPANOOSE	STATE	IOWA
	1 19 TWP 67 N						
TO REACH FROM TH	IE INTERSECTION OF	STATE HIGI	HWAY 5	AND 610th ST	TREET; GO SOU	THERLY 0.2	MILE
TO FIELD ENTRAN	CE WEST AND EAST AI	ND MARK.					
<u> </u>							
MARK 3-1	1/4" ALUMINUM DISK SE	ET IN 10" DI	IAMETER	R POURED-IN	-PLACE CONCRE	TE MONUME	NT
MARK EXISTING	VALUES AS PUBLI	SHED BY _					
MARK SET	☑ VALUES ESTABLIS	HED BY	D{	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDE	R "B" IOWA Y AND BAS	A HIGH AC	CCURACY REF	ERENCE NETWOR	K (HARN) COI F 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACT	OR:	1.00000453	,
COORDINATES (US F	EET)			COORDINATE	ES (METERS)		
NORTHING (Y)	215938.46			NORTHING (<i>(</i>)	65818,173	
EASTING (X)	1784802.20		_	EASTING (X)		544008.799	
VERTICAL VALUES OF	DRIGINATED ON VERTIC AL SURVEY AND BASEI	AL CONTRO	DL ESTAI NORTH A	BLISHED BY	THE NATIONAL G	EODETIC SUR	VEY AND/OR
ELEVATION (US FEET	r)1044.48	<u> </u>		ELEVATION	(METERS)	318.:	36
TIES			/				
No 1 - 3.2'			*		/ /		<u></u>
No. 2 - 7.0' No. 3 - 18.0'				/	/ /		1
No. 4 - 68.2'	ND. I	*					SECTION
	WITNESS						
	POST	\					
		1				1	1
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	WOOD GATE POST	4.	\rightarrow	100 1		/	
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/	. /			٦			DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	67	1922 4	GPS N	o. <u>8052</u>	COUNTY _	APPANOOS	E STATE _	IOWA
LOCATED IN SECT								
TO REACH FROM								
SOUTH END OF								
MARK	3-1/4" ALL	IMINUM F	ISK SET IN 10	" DIAMETE	R POURED-IN	-PLACE CONC	RETE MONUM	ENT
MARK EXISTI								
MARK SET								1998
HORIZONTAL VAL	HES ORIGI	NATED ON	ORDER "B"- K	WA HIGH A	CCURACY REF	ERENCE NETW	ORK (HARN) CO	ONTROL ESTAB-
IOWA COORDINAT							1.0000042	
COORDINATES (L						ES (METERS)		
NORTHING (Y)	,	21630	9.40			•	65958.67)
EASTING (X)							539394.67	
VERTICAL VALUE								
THE U.S. GEOLO	S ORIGINA GICAL SUF	VEY AND	BASED ON TH	IE NORTH	AMERICAN VE	RTICAL DATUM	# OF 1988.	
ELEVATION (US F	EET)	1	060.46		ELEVATION	(METERS)	323	3.23
TIES] 🛑
No 1- 77'							*	
No 2 - 24'			*	ĺ	} 1			
No. 3 - 39 4'					ii l			
No. 4 - 37'			+	1	AVE		*	SECTION
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GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671903	4	SPS No.	8053	_ COUNTY _	APPANOO	SE STATE	IOWA
LOCATED IN SECTION								
TO REACH FROM TH								
FIELD ENTRANCE T	O SOUTH, A	CROSS FRO	M CORI	N BIN ANI	MARK.			
	-							
MARK 3-1	/4" ALUMINU	M DISK SET	IN 10" C	IAMETER	R POURED-IN-	PLACE CON	CRETE MONUN	1ENT
MARK EXISTING	☐ VALUES	AS PUBLISH	ED BY _					
MARK SET	▼ VALUES	ESTABLISHE	D BY	DE	ENI ASSOCIAT	res, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED	ON ORDER	B" IOW	'A HIGH AC SED ON T	CURACY REFE HE NORTH AM	ERENCE NETV ERICAN DATU	VORK (HARN) C M OF 1983, 1996	ONTROL ESTAB- ADJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUT	'H ZONE			SCALE FACTO	OR:	0.999996	33
COORDINATES (US FI	EET)				COORDINATE	S (METERS)		
NORTHING (Y)	23:	2719.94			NORTHING (Y)	70933.18	:0
EASTING (X)	176	8921.43			EASTING (X)		539168.32	9
VERTICAL VALUES OF	RIGINATED C	N VERTICAL	CONTR	OL ESTAI	BLISHED BY TAMERICAN VER	HE NATIONA	L GEODETIC SI M of 1988.	JRVEY AND/OR
ELEVATION (US FEET	·)	1060.08			ELEVATION (METERS)	32	3.11
TIES No. 1 - 41.5' No. 2 - 36' No. 3 - 2.9' No. 4 - 5.3'	ورها)	1 8	D()) () () ()	() ()	ن ن ک	SECTION
NO NO	OTH ST.				NO.3 WITNESS	TO DO ENTRANCE	POST	SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO ILLINOIS

DESIGNATION	681	922 4		_GPS No.	8054	COUNTY _	APPANOOSE	STATE	AWOI
LOCATED IN SECTION	22	TWP _	68 N	_ RGE _	19 W	_ USGS QUAD I	WAP	SEYMOUR	EAST
TO REACH FROM									
AT THE INTERSECT	ION OF	COUNT	/ HIGH	WAY J46	AND 130	th AVENUE.			
MARK 3-1/									
☐ MARK EXISTING									
MARK SET	⊠ VA	LUES EST	[ABLISH	IED BY _	D	ENI ASSOCIAT	res, inc.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGIN NAL GE	ATED ON ODETIC S	ORDEF	R "B" IOW. AND BAS	A HIGH A	CCURACY REFI THE NORTH AM	ERENCE NETWO ERICAN DATUM (RK (HARN) CO OF 1983, 1996 /	ONTROL ESTAB- ADJUSTMENT.
IOWA COORDINATE SY	STEM,	SOUTH Z	ONE			SCALE FACTO	DR:	0.9999892	20
COORDINATES (US FE	ET)					COORDINATE	S (METERS)		
NORTHING (Y)		248606	3.42		_)		
EASTING (X)		176813	8.97		_	EASTING (X)		538929.835	5
VERTICAL VALUES OF THE U.S. GEOLOGICA ELEVATION (US FEET)	L SURV	EY AND	BASED	ON THE	NORTH /	AMERICAN VE	RTICAL DATUM	OF 1988.	
TIES No 1 - 51.0' No 2 - 29' No 3 - 5.6' No 4 - 42'			130 TH AVE.						SECTION
						No. I			
CO. HWY.	J46				 	1=	CONC. PUNT		
		No	7. 2. 4. C. C. C. C. C. C. C. C. C. C. C. C. C.		(
	٠		2231	1.3 10D -		NO.2 With	NESS POST		SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO ILLINOIS

DESIGNATION 691934 2 GPS No. 8055 COUNTY APPANOOSE STATE	OWA
LOCATED IN SECTION 34 TWP 69 N RGE 19 W USGS QUAD MAP SEYMOUR EAST	
TO REACH FROM THE INTERSECTION OF 524th STREET AND 135th AVENUE; GO NORTH 0.6 MILE TO	
FIELD ENTRANCE TO EAST, NORTHEAST OF BARN AND SILOS. 350 FEET, MORE OR LESS, NORTH OF	v
ENTRANCE WEST TO RED BARN AND BUTLER CORN BINS. 300 FEET, MORE OR LESS, NORTH OF	
CONCRETE CULVERT CROSSING.	
MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT	
MARK EXISTING VALUES AS PUBLISHED BY	
MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC. DATE 19	998
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUST	OL ESTAB- STMENT.
IOWA COORDINATE SYSTEM, SOUTH ZONE SCALE FACTOR: 0.99998253	
COORDINATES (US FEET) COORDINATES (METERS)	
NORTHING (Y) 264780.69 NORTHING (Y) 80705.317	
EASTING (X) 1770684.30 EASTING (X) 539705.655	
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.	AND / OR
ELEVATION (US FEET) 1020.08 ELEVATION (METERS) 310.92	
TIES , NO.3	
No 1 - 39.5'	
No 2 - 13'	
No 3 - 3.0'	
No 4 - 25.0'	SECTION
No.4	
WOOD	1
FENCE POST	A
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GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691921 1	GPS No	8056	COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	21 TWP 69 N	RGE1	<u>9W</u> ι	JSGS QUAD I	WAP	PLANO	
	E INTERSECTION OF						
GO WEST 0.1 MILE	TO FENCE CORNER A	ND FIELD EN	TRANCE	TO SOUTH	AND MARK.		
MARK 3-1	I/4" ALUMINUM DISK S	ET IN 10" DIA	METER I	OURED-IN-	PLACE CONCE	ETE MONUME	NT
_	VALUES AS PUBL						
MARK SET	☑ VALUES ESTABLIS	SHED BY	DEN	NI ASSOCIA	res, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDI	ER "B" IOWA I	HIGH ACC	URACY REFI	ERENCE NETWO ERICAN DATUM	RK (HARN) CO OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT
IOWA COORDINATE S	YSTEM, SOUTH ZONE		5	SCALE FACTO	OR:	0.99997671	
COORDINATES (US F	EET)		(COORDINATE	S (METERS)		
NORTHING (Y)	280209.64		. 1	NORTHING (Y)	85408.068	
EASTING (X)	1766489.13		. 1	EASTING (X)		538426.963	
THE U.S. GEOLOGIC	ORIGINATED ON VERTIC AL SURVEY AND BASE T) 1030.2	D ON THE N	ORTH AN	IERICAN VE	THE NATIONAL RTICAL DATUM	OF 1988.	
ELEVATION (US FEE	1)	<i>y</i>	•				
No. 1 - 35.5' No. 2 - 2.8' No. 3 - 6.0' No. 4 - 23.0'	X	U L T I	V A 7	ED) * \	SECTION
	NO.1	-90 TH ST		CO. J4		FIELD ENTRANCE	
	FIELD						
NO.2	NO.3	NO					SKETCH
WITNESS PO	DST ' WOOD GATE POSI		DD GA	TE POST			BY DSW
		II	1921				DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701933 2	GPS No.	8057	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	1 <u>33</u> TWP 70	N RGE	19 W	USGS QUAD	MAP	PLANO	
TO REACH FROM TH	HE INTERSECTION OF	STATE HIG	HWAY14	2 / COUNTY I	HIGHWAY J5T AN	D 127th AVEN	NUE;
GO NORTH 130 FE	ET, MORE OR LESS, (ON 127th AV	ENUE TO	A FIELD EN	FRANCE TO WES	T AND MARK	•
MARK 3-1	1/4" ALUMINUM DISK	SET IN 10" D	IAMETER	POURED-IN	-PLACE CONCRE	TE MONUME	NT
MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	✓ VALUES ESTABL	ISHED BY	DE	NI ASSOCIA	TES, INC.	_ DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORI	DER "B" IOW/ EY AND BAS	A HIGH AC	CURACY REF	ERENCE NETWOR	K (HARN) COI F 1983, 1996 AI	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACT	OR:	0.99997126	<u> </u>
COORDINATES (US F	EET)			COORDINATE	ES (METERS)		
NORTHING (Y)	296204.96		_	NORTHING (Y	′)	90283.453	
EASTING (X)	1767695.43			EASTING (X)		538794.646	
	DRIGINATED ON VERT						VEY AND/OR
ELEVATION (US FEET	7)1003.2	25	_	ELEVATION	(METERS)	305.	79
TIES No. 1 - 5.0' No. 2 - 22.5' No. 3 - 71.5' No. 4 - 131.5'	NO. I WITH FAX AN	55		E Passo. 1277# AVE.	NO 3 WOOD FENCE POST		SECTION
	100			NO.4 4 INT.			SKETCH BY DSW

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

LOCATED IN SECTION 21 TWP 70 N RGE 19 W USGS QUAD MAP PLANO TO REACH FROM AT THE INTERSECTION OF STATE HIGHWAY 142 AND 430th STREET, NEAR THE NORTHWEST										
AT THE INTERSECTION OF STATE HIGHWAY 142 AND 430th STREET, NEAR THE NORTHWEST										
AT THE INTERCEONOR OF CONTENTS										
CORNER OF LAWN SOUTHWEST OF CHURCH.										
MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT										
☐ MARK EXISTING ☐ VALUES AS PUBLISHED BY										
MARK SET VALUES ESTABLISHED BY DENI ASSOCIATES, INC DATE 1998										
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL EST LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMEN										
IOWA COORDINATE SYSTEM, SOUTH ZONE SCALE FACTOR: 0.99996643										
COORDINATES (US FEET) COORDINATES (METERS)										
NORTHING (Y) 312032.54 NORTHING (Y) 95107.708										
EASTING (X) 1766052.88 EASTING (X) 538293.994										
VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.										
ELEVATION (US FEET) 1001.82 ELEVATION (METERS) 305.36										
ELEVATION (US FEET) 1001.62 ELEVATION (METERS)										
TIES										
No. 1 - 21.5' No. 2 - 9.1' "CHRESTON RIVER BAPTIST" LHURCH										
No. 3 - 103.0'										
No. 4 - 10.0'										
No. 5 - 154.7'										
<u> </u>										
NO.3 CORNER										
/ ZONC. BLDCY / \(\)										
- POORDATION										
STATE										
NO.1										
430 TH ST										
ND.2										
WITNEYS /										
POST										
SKETCH										
NO.4										
WOOD FENCE POST										

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701903 4	_GPS No	8059	COUNTY _	APPANOOSE	STATE	IOWA
	3 TWP 70 N						
						· · · · · ·	
	TION OF 400th STREET			E (MONROE C	OUNTY)		
	STATE HIGHWAY 142						
0.0 11112 1720 0							
MARK 3-1	/4" ALUMINUM DISK SI	ET IN 10" DI	AMETER	R POURED-IN-	PLACE CONCRE	TE MONUME	NT
MARK EXISTING	VALUES AS PUBLI	SHED BY					····
MARK SET	☑ VALUES ESTABLIS	HED BY	DE	ENI ASSOCIAT	TES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDE	R "B" IOWA Y AND BAS	HIGH AC	CURACY REFI	ERENCE NETWORI ERICAN DATUM OI	K (HARN) CO! F 1983, 1996 Al	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACTO	OR:	0.99996224	
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	327615.50		_	NORTHING (Y)	99857.405	
EASTING (X)	1767466.17		_	EASTING (X)		538724.765	
VERTICAL VALUES OF	ORIGINATED ON VERTIC AL SURVEY AND BASE	AL CONTRO	DL ESTA! NORTH A	BLISHED BY T MERICAN VER	HE NATIONAL GI	EODETIC SUR F 1988	VEY AND/OR
ELEVATION (US FEET	1005.23	3	_	ELEVATION (METERS)	306.4	40
No. 1 - 58 0' No. 2 - 15 9' No. 3 - 30' No. 4 - 20.2'	527TH AVE.				A SECONO		SECTION
No 5 - 32'	MON. APPANO	VIER POU	E NY NA	E	280TU ST. 400 TH ST. WOOD SPL RAY FEND		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701919 1	GPS No.	8060	_ COUNTY _	APPANOC	OSESTATE_	IOWA
LOCATED IN SECTIO							
TO REACH FROM T							
TO GATED ENTRA							
MARK 3-	1/4" ALUMINUM	DISK SET IN 10" [IAMETER	POURED-IN-	PLACE CO	NCRETE MONUM	IENT
MARK EXISTING							
MARK SET	☑ VALUES E	STABLISHED BY _	DE	NI ASSOCIA	ΓES, INC.	DATE	1998
HORIZONTAL VALUE	S ORIGINATED C	N ORDER "B" IOW	A HIGH AC	CURACY REF	ERENCE NET	WORK (HARN) C	ONTROL ESTAB-
IOWA COORDINATE	SYSTEM, SOUTH	ZONE		SCALE FACTO	OR:	0.999966	56
COORDINATES (US I	EET)			COORDINATE	S (METERS))	
NORTHING (Y)	3115	28.62		NORTHING (Y)	94954.11	3
EASTING (X)						535508.60	
VERTICAL VALUES THE U.S. GEOLOGIC	ORIGINATED ON	VERTICAL CONTR	OL ESTA	BLISHED BY 1	THE NATIONA	AL GEODETIC SU UM OF 1988.	IRVEY AND/OR
ELEVATION (US FEE	T)	1017.57		ELEVATION (METERS)	310	0.16
TIES No. 1 - 2 4' No 2 - 2 0' No 3 - 72 0' No 4 - 32'		MOWED GR NO.1 WOOD GATE NO.2 WIT!NESS P	POST	CATE CATE	***************************************	NO.3 POWER POLE NO.4	SECTION
814		3 4 w 12		*	110 TU AVE		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691906 1	GPS No.	8061	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION							
TO REACH FROM THE							
	ENTRANCE TO WES						
MARK 3-1/	4" ALUMINUM DISK S	ET IN 10" D	IAMETER	R POURED-IN	-PLACE CONCRI	ETE MONUME	NT
☐ MARK EXISTING							
MARK SET	☑ VALUES ESTABLI	SHED BY	Di	ENI ASSOCIA	TES, INC.	_ DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORD	FR "B" IOW	A HIGH AC	CURACY REF	ERENCE NETWOR	K (HARN) COI	NTROL ESTAB-
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACT	OR:	0.99997129	
COORDINATES (US FE	ET)			COORDINAT	ES (METERS)		
NORTHING (Y)	296057.09			NORTHING (<i>(</i>)	90238.382	
EASTING (X)				EASTING (X)		535168.698	
VERTICAL VALUES OF THE U.S. GEOLOGICA	RIGINATED ON VERTI	CAL CONTRO	OL ESTA	BLISHED BY	THE NATIONAL G	SEODETIC SUR	VEY AND/OR
ELEVATION (US FEET)					(METERS)		24
ELEVATION (03 FEET)	1001111						
TIES			!	1	}		1 1
No. 1 - 12 0' No. 2 - 4.5'	ļ			AVE	}		 +
No. 3 - 23'	1				}		
No 4 - 37.5'				HT711	>	_ بـر	SECTION
	ģ			=	,		
	N	0.3	_		}]	
	<u> </u>	ENTR		1	}		A
			1		$\langle \cdot \rangle$		/
NO. 1	-				(,	
15 TALL W	1000.BRANCH9			NO-4	Ü		
34,0,00	X		<u> </u>	NO-4			1
No.2				<i>A</i> tı			
WITNESS	POST			10851			(N)
	LREST		1 1	06			T
	1			HILL			
	[1				
	é						01/2201
·	į						SKETCH
	*						BY DSW
			1	!			DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	691918	3 3	_GPS No.	8062	COUNTY _	APPANOOS	E STATE	IOWA
LOCATED IN SECTION	18 TV	VP 69 N	RGE	19 W	USGS QUAD	MAP	PLANO	
TO REACH FROM								
AT THE INTERSECTI	ON OF 490	th STREET	AND 102n	d AVENL	IE, IN THE GF	RASS MEDIAN	TRIANGLE.	
MARK 3-1/4	P AT LIKAINI	IM DISK SE	T IN 10" C	NAMETER	POURFOLIN	-PLACE CONC	RETE MONUME	NT
MARK EXISTING								
MARK SET			-					1998
HORIZONTAL VALUES	ORIGINATE	D ON ORDE	R "B" IOW	A HIGH A	CCURACY REF	ERENCE NETW	ORK (HARN) COI	NTROL ESTAB-
IOWA COORDINATE SY	STEM, SOL	JTH ZONE			SCALE FACT	OR:	0.99997670)
COORDINATES (US FEI	ET)				COORDINATE	ES (METERS)		
NORTHING (Y)	2	80186.80		_	NORTHING (<i>(</i>)	85401.108	
EASTING (X)	17	'53317.46			EASTING (X)		534412.229	
VERTICAL VALUES OF THE U.S. GEOLOGICAL ELEVATION (US FEET)	. SURVEY	AND BASED	ON THE	NORTH /	AMERICAN VE	RTICAL DATUM	7 OF 1988.	
No 1 - 23' No 2 - 61 0' No 3 - 2 1' No 4 - 28'	- E - 102ND AVE.		20.3 With	JESS I	205T	49	-0- От4 ST.	SECTION SECTION

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681906 1	GPS No.	8063 C	OUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION	6TWP68 N	RGE	19 W us	GS QUAD I	MAP	SEYMOUR	EAST
TO REACH FROM TH	E INTERSECTION OF	524th STRE	ET AND 110	h AVENU	E; GO NORTH	D.4 MILE	
TO A POINT 500 FE	ET, MORE OR LESS,	SOUTH OF E	AST-WEST	SECTION	LINE AND 150 F	EET NORTH	OF .
A "T" FENCE TO WE	ST.						·
MARK3-1.	/4" ALUMINUM DISK S	ET IN 10" DI	AMETER PO	URED-IN-	PLACE CONCR	ETE MONUM	ENT
MARK EXISTING	☐ VALUES AS PUBL	ISHED BY _					
MARK SET	☑ VALUES ESTABLE	SHED BY	DENI	ASSOCIAT	TES, INC.	DATE	1998
	ORIGINATED ON ORD						
IOWA COORDINATE SY	STEM, SOUTH ZONE		sc	LE FACTO	OR:	0.9999828	35
COORDINATES (US FE	ET)		CO	ORDINATE	S (METERS)		
NORTHING (Y)	263898.79		_ NO	RTHING (Y)	80436.512	2
EASTING (X)	1757390.54		_ EAS	STING (X)		535653.708	3
VERTICAL VALUES OF THE U.S. GEOLOGICA							RVEY AND/OR
ELEVATION (US FEET)	1042.1	5	ELE	VATION (METERS)	317	.65
TIES No. 1 - 3.1'		175	0.3		-		
No. 2 - 52'	NO.2		ירי א		POWER		
No 3 - 25'	FENŒ	Î			POLE		
No. 4 - 30.5'			<u> </u>	10.4			SECTION
No. 5 - 156'		/					
	No.1						
	WITNESS	+] 1	İ			1
	POST						
				İ			
			1				
			نيا	i			1 4
		1	10TH AVE				
PA:	STURE		巨	1 1 12			
		1	211	ŀ			
			i				CVETCU
		* 1	NO.5 FENCELIK				SKETCH BY DSW
	<u></u>		FENCE LIK)म्		Approve the following across	
	^ <u> </u>		1 ~				DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	681919 4	GPS No.	8064	COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION							
TO REACH FROM THE	E INTERSECTION	OF COUNTY H	IGHWAY	J46 AND 102	nd AVENUE; GO	DEAST 0.1 M	LE
TO FIELD ENTRANC	E NORTH AND SO	UTH AND MAF	RK.				
					····		
MARK 3-1/	4" ALUMINUM DIS	K SET IN 10" D	IAMETER	R POURED-IN	-PLACE CONCR	ETE MONUME	ENT
MARK EXISTING	☐ VALUES AS PU	BLISHED BY _					
MARK SET	▼ VALUES ESTA	BLISHED BY _	DI	ENI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON O	RDER "B" IOW RVEY AND BAS	A HIGH AG	CCURACY REF THE NORTH AM	ERENCE NETWOR	RK (HARN) CC DF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZOI	1 E		SCALE FACT	OR:	0.9999892	3
COORDINATES (US FE	ET)				ES (METERS)		
NORTHING (Y)	248473.7	4			n		
EASTING (X)	1754186.	32	_	EASTING (X)		534677.059	
VERTICAL VALUES OF	RIGINATED ON VEI L SURVEY AND BA	RTICAL CONTR ASED ON THE	OL ESTA NORTH /	BLISHED BY T AMERICAN VE	THE NATIONAL ORTICAL DATUM	GEODETIC SUI OF 1988.	RVEY AND/OR
ELEVATION (US FEET)	106	5.97		ELEVATION	(METERS)	324	.91
TIES				1			
No. 1 - 56.7'			}				
No. 2 - 17.3' No. 3 - 2.8'			1	1			
No. 4 - 2.4'			1	(1			SECTION
			,	Ţ			
				_ NO	1.C		1
	CO. HWY. J	46		- E/			
60	NC. PVMT.						
				/			
		Ì	نا	/			1 4
		1	יאוכי				
			FIELD EXITRAN				
			ドル				,
	NO,2	1					
	WOOD -	> j		i A			SKETCH
	GATE POST	1		<u> </u>	o		BY DSW
San Marine State Const.	`	MOOD		NO NO	.4 NEGS POST	Salis	
	•	WODD	SATE P	ווא ובע	ו כמו בכבות	3-1-	DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671906 4	_GPS No	8065	COUNTY	APPANOOSE	STATE	IOWA
	6 TWP 67 N						
TO REACH FROM TH	E INTERSECTION OF 5	80th STRE	ET AND	100th AVENUE	E; GO EAST 0.:	2 MILE	
TO THE NORTHEAS	T CORNER OF RESIDE	NCE YAR	M DNA	ARK.			
MARK 3-1	/4" ALUMINUM DISK SE	T IN 10" DI	AMETER	R POURED-IN-	PLACE CONCR	ETE MONUME	ENT
☐ MARK EXISTING	☐ VALUES AS PUBLIS	HED BY _				, <u></u>	
MARK SET	☑ VALUES ESTABLIS	HED BY	DI	ENI ASSOCIAT	ES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDE	R "B" 10WA ' AND BAS	HIGH AC	CCURACY REFE HE NORTH AMI	RENCE NETWO ERICAN DATUM (RK (HARN) CC OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACTO	OR:	0.9999963	3
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	232643.81		_	NORTHING (Y)	70909.975	
EASTING (X)	1753560.38			EASTING (X)		534486.273	
THE U.S. GEOLOGICA	ORIGINATED ON VERTICAL SURVEY AND BASED	ON THE	NORTH A	AMERICAN VEF	RTICAL DATUM	OF 1988.	
ELEVATION (03 FEE)	,			<u> </u>			
TIES							
No. 1 - 4.9' No. 2 - 40'		<u>-E</u>				 	
No. 3 - 9.9'	j	l					
No. 4 - 3 5'	/	/					SECTION
		·····			NO. 2	·	
	580TH	ST.,		£		10 2	å
			NO.I WOOD GATE	P05T	NO.4	_	
CEAVEL DRIV	2 STORY WHITE	A W N	HOUSE	5	WITN POST		SKETCH
	W RED META						BY DSW
	Y						DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	671918 3	_GPS No	8066	_ COUNTY _	APPANOC	SE STATE	IOWA
LOCATED IN SECTION	18 TWP67 N	RGE	19 W	USGS QUAD N	MAP	LAKE THUNDE	ERHEAD
TO REACH FROM							
AT THE INTERSECT	ION OF 610th STREET	AND 100th	AVENU	E, IN THE GRA	SS MEDIAN	TRIANGLE.	
T-1001-100							,
MARK 3-1/	4" ALUMINUM DISK SE	T IN 10" D	IAMETER	R POURED-IN-	PLACE CON	ICRETE MONUM	IENT
	☐ VALUES AS PUBLIS						
MARK SET	☑ VALUES ESTABLIS	HED BY	DI	ENI ASSOCIAT	ES, INC.	DATE	1998
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORDE NAL GEODETIC SURVE	R "B" IOWA AND BAS	A HIGH AC	CURACY REFE HE NORTH AME	ERENCE NET ERICAN DATI	WORK (HARN) C JM OF 1983, 1996	ONTROL ESTAB- ADJUSTMENT
IOWA COORDINATE SY	STEM, SOUTH ZONE			SCALE FACTO	DR:	1.0000040	01
COORDINATES (US FE	ET)			COORDINATE	S (METERS)		
	216808.28					66083.29	
EASTING (X)	1752272.44		_	EASTING (X)		534093.70	7
THE U.S. GEOLOGICA	RIGINATED ON VERTIC L SURVEY AND BASEI	ON THE	NORTH A	MERICAN VER	RTICAL DATE	JM OF 1988.	
ELEVATION (US FEET)	1047.79			ELEVATION (METERS)	319	9.37
TIES No. 1 - 22' No. 2 - 18 5' No. 3 - 2 6' No. 4 - 7' No. 5 - 27 5'	MANUE 60. 4 - 100 TII NVE.	NO. TE	NO3 WITNE 1200	65 Post		61074 ST.	SECTION
	Sorth I Fred		·				SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	701815 3	GPS No.	8067	_ COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION	N15TWP70_	N RGE	18 W	USGS QUAD	MAP	MYSTIC	
TO REACH FROM TH	HE INTERSECTION O	F STATE HIG	HWAY 14	2 AND 160th	AVENUE; GO S	OUTHEASTE	RLY
ALONG 160th AVEN	NUE FOR 3.2 MILES T	O HONEY CF	REEK STA	TE PARK HE	ADQUARTERS;	THEN SOUTH	HERLY
0.5 MILE TO STOP	SIGN AT "T" INTERSE	CTION; THE	N EASTE	RLY 0.25 MIL	E TO CAMPGRO	OUND; THEN	CONTINUE
EASTERLY 0.5 MIL	E TO DRIVE INTERSE	CTION TO S	OUTH AN	D MARK.			
MARK 3-	1/4" ALUMINUM DISK	SET IN 10" D	IAMETER	POURED-IN	-PLACE CONCRI	ETE MONUME	ENT
☐ MARK EXISTING	☐ VALUES AS PUB	LISHED BY _					
MARK SET	☑ VALUES ESTABI	.ISHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	S ORIGINATED ON OR ONAL GEODETIC SURV	DER "B" IOW/ 'EY AND BAS	A HIGH AC	CURACY REF	ERENCE NETWOR ERICAN DATUM C	K (HARN) CO F 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE	:		SCALE FACT	OR:	0.9999661	2
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	313315.43	·		NORTHING (Y	")	95498.735	····
EASTING (X)	1799574.74		_	EASTING (X)		548511.478	
THE U.S. GEOLOGIC	DRIGINATED ON VERT AL SURVEY AND BAS	ED ON THE	NORTH A	MERICAN VE	RTICAL DATUM C	OF 1988.	
ELEVATION (US FEET	r)973.3	39	_	ELEVATION ((METERS)	296.	69
No 1 - 41' No 2 - 33.2' No 3 - 15' No 4 - 62'	(x) (x')	NO 2 10.4 ITNESS P	POST A	AVE O PARK			SECTION
W0005		al Daisa		- NO B			SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	X 7	GPS No.	9663	_ COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTIO	N <u>3</u> TWP 67 N	I RGE	18 W	USGS QUAD	MAPC	ENTERVILLE	WEST
TO REACH FROM T	HE INTERSECTION OF	COUNTY H	IGHWAY	T20 / S. LIBEI	RTY STREET AN	D STATE HIC	SHWAY 5,
IN CINCINNATI;	O EAST 0.35 MILE TO	WISCONSIN	STREET	; THEN SOU	TH 0.1 MILE TO	MARK.	
MARK U.S.C.	. & G.S. BRASS DISK IN	12" x 12" C	ONCRET	E MONUMEN	T, STAMPED "X-	7 1930 1031	.865 FT"
MARK EXISTING	☑ VALUES AS PUBL	ISHED BY _			N.G.S.		
	☐ VALUES ESTABLI						
HORIZONTAL VALUE	S ORIGINATED ON ORD	ER "B" IOWA	A HIGH AC	CURACY REF	ERENCE NETWOR	K (HARN) CO	ONTROL ESTAB-
IOWA COORDINATE	SYSTEM, SOUTH ZONE			SCALE FACT	OR:	0.9999977	6
COORDINATES (US F	FEET)			COORDINATE	S (METERS)		
NORTHING (Y)	229889.40			NORTHING (Y)	70070.430)
	1801850.42			EASTING (X)		549205.108	3
THE U.S. GEOLOGIC	ORIGINATED ON VERTIC CAL SURVEY AND BASE T) 1032.0	D ON THE	NORTH A	MERICAN VEI	RTICAL DATUM (OF 1988	
TIES			<u> </u>		1]
No 1 - 06'							
No. 2 - 20'					1		•
No. 3 - 45.6'			!		Ĭ		<u> </u>
No. 4 - 44.0'							SECTION
No 5 - 57'	OLD ER	R/W)	1				
		_/	1		DIM DRI	VE	
	-	- /		//			1
4			4				
	NO.3				`		
	POWER PO	ILE 1	上上				
MOWED		7	9')	
	170.5		NO.5		•	1	
	N.G.S. FIBERGLASS /	/	WISCONSIL			١	(N)
	/ LITTUESS		1 6	1		\ \	
	/ POST /		7 7) ;	
	+		₹			1	
NO. 1 MAGENTA		1	ر ن	NO.4)	SKETCH
HARN	<u>→</u>	<u> </u>	- T T T T T T T T			1	BY DSW
WITNE 另一 POET						i	
		•		* 1 j			DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	2 KEE	_GPS No	9868	COUNTY _	APPANOOS	E STATE _	IOWA
LOCATED IN SECTION	1 TWP70 N	RGE1	<u>19 W</u> U	SGS QUAD	MAP	MELROSE	
TO REACH FROM							
AT THE INTERSECT	ION OF STATE HIGHW	AY 142 AND	150th AV	ENUE, IN T	HE SOUTHEA	ST QUADRANT.	·
Mark Control of the C	,						
	4" U.S.G.S. DIS						
MARK EXISTING	VALUES AS PUBLIS						
MARK SET	VALUES ESTABLIS						
HORIZONTAL VALUES LISHED BY THE NATIO	ORIGINATED ON ORDE NAL GEODETIC SURVEY	R "B" IOWA I ' AND BASE	HIGH ACC D ON THE	URACY REF	ERENCE NETWO ERICAN DATUM	ORK (HARN) CO I OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT.
IOWA COORDINATE SY	STEM, SOUTH ZONE		S	CALE FACT	OR:	0.99996286	3
COORDINATES (US FE	ET)		C	OORDINATE	S (METERS)		
NORTHING (Y)	325235.23		. N	ORTHING (Y)	99131.895	
EASTING (X)	1778052.01	<u></u>	. E	ASTING (X)		541951.336	
THE U.S. GEOLOGICA	RIGINATED ON VERTICA L-SURVEY AND BASED	ON THE N	ORTH AM	ERICAN VEI	RTICAL DATUM	OF 1988.	
ELEVATION (US FEET)	979.76		. E	LEVATION	METERS)	298.	63
TIES No. 1 - 30' No. 2 - 84 4'	15074 AVE.						
No 3 - 5.0' No 4 - 1.0'	STATE AWY. 1	42			NO. 3		SECTION
	SPLIT LEVEL ROME RESIDENC	NO I	- + + + + + + + + + + + + + + + + + + +		F	JO.3 DWER OLE — NO.4 WITNESS POST	SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	2 KED	GPS No.	9869 (COUNTY _	APPANOOSE	STATE _	IOWA
LOCATED IN SECTION							
TO REACH FROM THE	INTERSECTION OF	435th STRE	ET AND 150	th AVENUE	GO SOUTH 0	.15 MILE TO	
NORTHWEST CORN	ER OF RESIDENCE	YARD AND N	MARK.				
MARK	U.S.G.S. ALUMINUI	VI DISK IN 7"	x 7" CONCF	RETE POST,	STAMPED "2 H	KED 1965"	
MARK EXISTING	VALUES AS PUBL	.ISHED BY _					T
☐ MARK SET							1998
HORIZONTAL VALUES LISHED BY THE NATIO							
IOWA COORDINATE SY	STEM, SOUTH ZONE		sc	ALE FACTO	રઃ	0.9999674	0
COORDINATES (US FEI	≣T)		co	ORDINATES	(METERS)		
NORTHING (Y)	308762.09		NO	RTHING (Y)		94110.874	
EASTING (X)	1778177.51		EA	STING (X)		541989.590	
VERTICAL VALUES OF THE U.S. GEOLOGICAL							RVEY AND/OR
ELEVATION (US FEET)	998.66	0	_ ELI	EVATION (M	ETERS)	304.	37
No. 1 - 39.5' No. 2 - 2.0' No. 3 - 10 1' No. 4 - 60'	NO.1	[1	10.2 ENCE	ALFALFA F	ELD	SECTION
*	150TH AVE.		NO.3 WOOD FENCE POST (WH)	£ (I STORE	LOUSE	

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	TT 31 E	_GPS No	9870	_ COUNTY _	APPANOOSE	STATE _	10WA
LOCATED IN SECTION		RGE	19 W	USGS QUAD I	WAP	SEYMOUR E	AST
TO REACH FROM TH	E INTERSECTION OF	STATE HIG	HWAY 2	AND 135th AV	ENUE, SOUTH	EAST OF PLAN	10;
GO SOUTH 0.15 MIL	E TO 510th STREET A	ND MARK.					
STAMPED "TT 31 E	1933 964"	,					
MARK U.S.G.S. BRA	ASS DISK IN 9" x 9" CO	NCRETE P	OST, PRO	DJECTS 4" AE	OVE GROUND,	W/SOME CON	IC. DAMAGE
MARK EXISTING	☐ VALUES AS PUBLI	SHED BY _					
MARK SET	☑ VALUES ESTABLIS	HED BY	DE	NI ASSOCIAT	res, inc.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON ORDE	R "B" IOWA Y AND BAS	HIGH AC	CURACY REFI HE NORTH AM	ERENCE NETWO ERICAN DATUM (RK (HARN) CO OF 1983, 1996 A	NTROL ESTAB- DJUSTMENT
IOWA COORDINATE ST	YSTEM, SOUTH ZONE			SCALE FACTO	OR:	0.99998030)
COORDINATES (US FI	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	270535.68)		
EASTING (X)	1770551.95		_	EASTING (X)		539665.315	
VERTICAL VALUES OF	PRIGINATED ON VERTIC	AL CONTRO	DL ESTAE NORTH A	BLISHED BY T MERICAN VER	HE NATIONAL (RTICAL DATUM	GEODETIC SUR OF 1988.	EVEY AND/OR
ELEVATION (US FEET	964.42			ELEVATION (METERS)	293.	96
TIES No 1 - 31.0' No 2 - 9.4' No 3 - 48'	NO 1 F.	51024	\	R ONE PARTY	135TU AVE. 5 F		SECTION SKETCH BY DSW
			٠			\`\	
				1			DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	TT 23 L	GPS No.	9871	_ COUNTY _	APPANOOSE	STATE	IOWA
LOCATED IN SECTION	I <u>14</u> TWP	67 N RGE	18 W	USGS QUAD	MAP	MENDOTA	1
TO REACH FROM					<u></u>		
AT THE INTERSECT	TION OF 650th ST	REET AND 210th	AVENUE	, SOUTHEAS	T OF CINCINNA	TI.	
y							
MARK U.S.G	.S. METAL DISK II	N 7" x 7" CONCR	ETE POS	T, PROJECTS	5", STAMPED "	TT 23 L 1938	1006"
MARK EXISTING	VALUES AS I	PUBLISHED BY _					
☐ MARK SET							1998
HORIZONTAL VALUES	ORIGINATED ON ONAL GEODETIC S	ORDER "B" IOW/ URVEY AND BAS	A HIGH AC	CURACY REFE	ERENCE NETWOF ERICAN DATUM C	RK (HARN) CO DF 1983, 1996 A	NTROL ESTAB DJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH Z	ONE		SCALE FACTO	OR:	1.00000263	3
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	219911	.34	_	NORTHING (Y)	67029.111	
EASTING (X)	1810726	3.37		EASTING (X)		551910.503	
THE U.S. GEOLOGICA							62
TIES		m	<u>l</u>		\$		
No. 1 - 24 5' No. 2 - 8 5'		r Ka	3				
No. 3 - 10 8'		,	NO.1	'	1.0-		
No 4 - 31'			 	PROD	6057	H ST.	SECTION
	× ×	Z ER POLE	-0-		()		
	NO.3 NOOD FENCE	E POST			NO.4		
		ليک چين مي پيچن	ξ) \$(210 TU AVE		

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	22 HK	GPS No	9872	_ COUNTY _	APPANOC	OSE STATE	IOWA
LOCATED IN SECTION							
TO REACH FROM TH							
GO EASTERLY ALC	NG 405th STREET 2	3 MILES TO	SATED F	IELD ENTRAI	NCE TO SOL	ITH AND MARK.	
					,. <u>.</u> .		
MARK	U.S.G.S. ALUM	NUM DISK IN	A CONC	RETE POST,	STAMPED	"22 HK 1966"	
MARK EXISTING	☐ VALUES AS PUE	LISHED BY _					
☐ MARK SET	X VALUES ESTAB	LISHED BY	DE	NI ASSOCIA	TES, INC.	DATE	1998
HORIZONTAL VALUES	ORIGINATED ON OR	DER "B" IOWA /EY AND BAS	A HIGH AC	CURACY REF	ERENCE NET	WORK (HARN) C UM OF 1983, 1996	ONTROL ESTAB- ADJUSTMENT.
IOWA COORDINATE S	YSTEM, SOUTH ZONE			SCALE FACT	OR:	0.9999624	15
COORDINATES (US F	EET)			COORDINATE	S (METERS)		
NORTHING (Y)	327288.16			NORTHING (Y	n	99757.63	<u> </u>
EASTING (X)				EASTING (X)		561411.91	7
VERTICAL VALUES OF THE U.S. GEOLOGICA	AL SURVEY AND BAS	SED ON THE	NORTH A	MERICAN VE	RTICAL DATI	JM OF 1988.	
ELEVATION (US FEET	948.	17	_	ELEVATION	(METERS)	289	7.00
No. 1 - 34 5' No. 2 - 1 6' No. 3 - 3.0' No. 4 - 27' No. 4 - 27'		JO 2 ENICE		NO.2 4 GAT			SECTION
				PAST	· UR E		SKETCH BY DSW DENI 9805002

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS

DESIGNATION	J 120	GPS No	9873	COUNTY _	APPANOO	SESTATE_	IOWA
LOCATED IN SECTION	I <u>1</u> TWP <u>67 N</u>	RGE16	<u>sw</u> u	SGS QUAD	MAP	MOULTO	N
TO REACH FROM TH	E INTERSECTION OF S	TATE HIGHW	VAY 202	AND 582nd	STREET; G	O SOUTHEAST	ERLY
0.9 MILE TO DRIVE	TO NORTH AND MARK	•					
MARKU.	S.G.S. METAL DISK IN 6	5" x 6" CONCF	RETE PO	ST, PROJE	CTS 16", STA	MPED "J 120 19	935"
MARK EXISTING	X VALUES AS PUBLIS	SHED BY		N.	3.S., VERTIC	AL ONLY	·
☐ MARK SET	☑ VALUES ESTABLIS	HED BY	DEN	ASSOCIAT	ES, INC.	DATE	1998
	ORIGINATED ON ORDE					• •	
IOWA COORDINATE ST	YSTEM, SOUTH ZONE		S	CALE FACTO	PR:	0.9999983	6
COORDINATES (US FE	EET)		C	OORDINATE	S (METERS)		
NORTHING (Y)	229247.63		N	ORTHING (Y)		69874.817	7
EASTING (X)	1878347.29		E	ASTING (X)		572521.397	<u>, </u>
	RIGINATED ON VERTICAL AL SURVEY AND BASED						RVEY AND/OR
ELEVATION (US FEET	994.02	 	EI	EVATION (METERS)	302	.98
TIES		Ġ "	מת ל	IRMS"	<u> </u>		
No 1 - 128.5'			עע עע	KM5			
No 2 - 18'	0	8			NO3		
No. 3 - 3.7' No. 4 - 1.3'	(A)		1 1/2		_ W000 P0ST	FENCE	
NO.4- 13			DRIVE		1001		SECTION
	T P		VEC 1				
	7	_			No.	· ·	
1 03	Whi Co.	0	295		FEN	CL.	
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			V	120		*	
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		1.00	1				SKETCH
			1				BY DSW
				\			DENI 9805002