

MIT

GEODETIC CONTROL REPORT

PROJECT NUMBER: 2013A018

CONSTRUCTION ORDER: X53005

CLIENT: MANITOBA INFRASTRUCTURE AND TRANSPORTATION

AREAS:

Deloraine, Vermillion, South Assiniboine, Assiniboine River Brandon to Portage,
Maple Creek, PTH 1 (PTH 16 – PTH 34), PTH 1 (PR248 – PTH 13) ,
PTH 14 (PR 332 – PR 306), PTH 16 (PR 264 – PTH 83), Community of Emerson
,Community of Letellier, Community of St. Adolphe, PTH 1 (PR 248 – PR 334),
CCW Extension (Headingly Bypass), PTH 100 (PTH 1 – PTH 75)

MANITOBA

October 29th, 2015

Fugro GeoServices Ltd.

Control Station Information Sheet



Coordinates of Monuments

Datum: NAD83(CSR1997) Geoid HT2.0											
Point	Latitude			Longitude			UTM 14N		Elli H (m)	Ortho H (m)	Project
ID	DD	MM	SS	DD	MM	SS	Easting (m)	Northing (m)	(Marker)	(Marker)	
654002	49	46	56.27436	97	19	23.54038	620709.871	5515775.040	210.224	237.302	South Assiniboine
784088	49	58	28.44257	98	33	36.27250	531544.664	5535895.731	252.439	277.618	PTH1 - WB & EB Lanes from PTH16 tp PTH34
7039680	49	54	4.59092	99	5	13.59553	493744.316	5527657.767	352.668	376.853	PTH1 - WB & EB Lanes from PTH16 tp PTH34
7039681	49	54	57.69085	99	5	13.85570	493741.035	5529297.717	352.329	376.552	PTH1 - WB & EB Lanes from PTH16 tp PTH34
7050301	49	10	39.74779	97	45	5.77772	590984.436	5447961.157	227.420	252.630	PTH14
48M3005	51	12	37.60741	100	1	0.77762	428969.819	5673719.086	250.696	277.970	Vermillion Dam
654002_F2	49	46	56.27477	97	19	23.54080	620709.862	5515775.052	210.214	237.292	PTH100
7039502_F	49	58	27.16943	98	29	30.17761	536446.625	5535887.471	242.908	268.199	PTH1 - WB & EB Lanes from PTH16 tp PTH34
74M545	49	59	24.82040	97	17	12.99839	622791.444	5538950.368	213.235	240.949	CCW Extension Full
74M623	49	55	51.84477	97	24	45.63373	639071.726	5506423.109	211.992	239.382	CCW Extension Full
74M627	49	55	52.41647	97	21	19.07428	618036.882	5532280.863	210.970	238.443	CCW Extension Full
784267CS	49	37	14.00134	97	2	56.47629	640913.962	5498271.679	207.845	234.934	St Adolphe
79M108	49	10	39.86500	100	3	45.53763	422552.729	5447758.149	516.766	538.039	Deloraine
79M195	50	28	37.37860	100	45	40.52623	375032.962	5593155.254	529.903	553.627	PTH16 PTH83-WJCT264 900r
81M055	49	33	45.63027	100	57	41.78472	358150.644	5491857.248	421.269	443.058	Deloraine
82R427	49	10	40.30181	100	25	13.77377	396473.564	5448199.361	486.709	507.995	Deloraine
82R433	49	15	34.45754	100	34	45.05784	385098.148	5457511.657	461.408	482.936	Deloraine
83R428	50	30	11.11038	100	55	22.13231	363645.700	5596334.412	519.143	542.721	PTH16 PTH83-WJCT264 900r
83R438	50	25	2.30662	101	3	13.45042	354098.525	5587046.220	483.182	506.492	PTH16 PTH83-WJCT264 900r
83R728	50	30	20.85997	101	4	13.82152	353181.558	5596917.245	515.281	538.666	PTH16 PTH83-WJCT264 900r
84M067_F	49	46	5.07555	97	20	44.24797	619130.919	5514158.122	209.490	236.502	PTH100

Fugro GeoServices Ltd.

Control Station Information Sheet



Point ID	Latitude			Longitude			UTM 14N		Elev H (m)	Ortho H (m)	Project
	DD	MM	SS	DD	MM	SS	Easting (m)	Northing (m)	(Marker)	(Marker)	
84R249	50	14	15.58697	96	5	9.56434	707791.028	5569119.166	234.666	263.810	Maple Creek Fall 2013
85M390	49	55	52.75645	98	1	57.20842	569431.904	5531443.338	221.830	247.909	PTH1 - PTH13 to PR248
85M410_F	49	46	7.37984	97	11	31.26150	630189.828	5514484.494	205.540	232.739	PTH100
87R174	49	33	15.64567	97	19	19.90615	621348.400	5490435.083	210.504	237.136	South Assiniboine
87RL174	49	11	26.89982	97	24	52.76736	615510.242	5449876.709	212.728	238.619	PTH1
89M016	49	11	34.54551	97	49	12.97994	585953.620	5449573.014	231.565	256.665	PTH14
89R001	49	51	15.29099	97	28	41.69582	609386.656	5523536.000	212.398	239.472	South Assiniboine
90RL021	49	41	39.33635	97	4	17.82294	639071.722	5506423.107	206.555	233.735	St Adolphe
90RL022	49	40	46.10450	97	4	17.57785	639118.840	5504779.430	206.747	233.900	St Adolphe
90RL593	49	0	54.77914	97	15	30.12340	627345.862	5430608.595	215.679	241.790	Emerson Dike
93M080	49	40	8.72083	98	8	30.20704	561930.903	5502193.192	257.005	282.377	Assiniboine River Brandon to Portage
93R138	49	13	20.99318	100	30	40.76465	389953.073	5453289.502	476.394	497.824	Deloraine
95R212	49	54	29.14419	97	32	4.41299	605222.011	5529441.940	213.022	240.123	CCW Extension Full
95R214	49	55	3.87331	97	33	7.91112	603934.828	5530489.846	214.299	241.379	CCW Extension Full
95R501	51	4	51.75947	99	59	49.64037	430155.027	5659310.263	275.384	302.150	Vermillion Dam
501	51	4	13.09271	100	12	13.56066	415661.176	5658332.209	341.443	367.771	Vermillion Dam
502	51	2	14.94732	100	4	31.22787	424605.487	5654543.577	332.439	358.828	Vermillion Dam
503	51	8	25.43419	99	57	14.58492	433257.492	5665870.623	252.530	279.649	Vermillion Dam
504	51	13	45.10793	100	3	7.48008	426541.315	5675838.777	256.333	283.605	Vermillion Dam
506	49	41	41.18934	99	46	26.73901	444172.777	5504982.878	369.102	391.905	Assiniboine River Brandon to Portage
507	49	43	25.68764	99	37	14.66295	455259.203	5508107.405	343.694	366.767	Assiniboine River Brandon to Portage
508	49	35	29.62677	99	36	56.80373	455496.329	5493402.519	351.023	373.629	Assiniboine River Brandon to Portage
509	49	40	41.43104	99	13	40.79775	483551.143	5502874.711	333.509	356.963	Assiniboine River Brandon to Portage

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Control Station Information Sheet



Datum: NAD83(CSRS1997) Geoid HT2.0

Point ID	Latitude			Longitude			UTM 14N		Elli H (m)	Ortho H (m)	Project
	DD	MM	SS	DD	MM	SS	Easting (m)	Northing (m)	(Marker)	(Marker)	
510	49	34	36.01498	99	13	39.46486	483543.698	5491589.644	353.038	376.169	Assiniboine River Brandon to Portage
512	49	38	9.79844	98	56	17.82662	504456.220	5498168.753	341.673	365.485	Assiniboine River Brandon to Portage
513	49	34	34.88372	98	56	17.34480	504471.340	5491531.659	358.901	382.557	Assiniboine River Brandon to Portage
514	49	39	3.00837	98	30	39.70367	535296.208	5499924.975	295.357	319.964	Assiniboine River Brandon to Portage
515	49	44	19.62746	98	30	48.52507	535056.007	5509701.908	297.538	322.279	Assiniboine River Brandon to Portage
516	49	57	17.27523	98	30	51.40297	534842.787	5533718.096	255.026	280.226	Assiniboine River Brandon to Portage
517	49	45	14.32866	98	22	28.21285	545055.690	5511465.400	277.738	302.758	Assiniboine River Brandon to Portage
518	49	53	12.67479	98	22	10.82806	545279.363	5526241.231	264.868	290.161	Assiniboine River Brandon to Portage
519	49	57	12.38578	98	22	36.40740	544707.336	5533640.163	240.756	266.200	Assiniboine River Brandon to Portage
520	50	6	25.35470	98	32	36.09737	532653.245	5550632.177	228.323	253.878	Assiniboine River Brandon to Portage
521	50	4	15.77479	98	28	6.52837	538036.214	5546665.548	228.022	253.609	Assiniboine River Brandon to Portage
301	49	48	46.36460	99	46	46.68218	443909.640	5518117.618	344.311	367.527	Assiniboine River Brandon to Portage
302	49	57	40.57998	98	49	38.77934	512376.892	5534339.055	270.802	295.530	PTH1 - WB & EB Lanes from PTH16 tp PTH34
303	49	57	14.27358	98	56	58.74714	503611.739	5533513.543	285.489	310.012	PTH1 - WB & EB Lanes from PTH16 tp PTH34
304	49	53	1.63410	97	38	29.98637	597580.964	5526594.416	213.217	240.027	PTH1 Extension - East limit at PR248 to the PR334
305	49	53	58.10949	97	19	13.73296	620614.056	5528806.342	213.044	240.472	PTH100
306	49	50	8.20612	97	19	29.87929	620450.714	5521699.326	211.950	239.182	PTH100
307	49	11	32.58679	97	33	10.17972	605439.933	5449850.688	218.192	243.818	PTH14
308	49	52	39.48737	97	25	43.74803	612885.110	5526209.469	210.817	238.033	PTH1 Extension - East limit at PR248 to the PR334
309	49	54	29.25384	97	46	8.53877	588386.258	5529142.221	214.457	241.001	PTH1 - PTH13 to PR248
310	49	55	58.62414N	97	53	43.19405	579277.560	5531760.848	217.718	244.048	PTH1 Extension - East limit at PR248 to the PR334
311	49	40	56.62446	97	6	48.64727	636083.588	5505027.423	205.387	232.494	St Adolphe
312	49	40	7.46792	97	6	43.39726	636226.928	5503512.104	206.277	233.362	St Adolphe

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Control Station Information Sheet



Point ID	Latitude			Longitude			UTM 14N		Elev H (m)	Ortho H (m)	Project
	DD	MM	SS	DD	MM	SS	Easting (m)	Northing (m)	(Marker)	(Marker)	
313	49	53	14.30377	97	32	16.50235	605025.994	5527125.990	212.488	239.535	CCW Extension Full
314	49	0	1.60952	97	12	57.91186	630475.849	5429038.685	217.013	243.197	Emerson Dike
315	49	0	36.20446	97	12	15.27120	631316.851	5430127.309	214.294	240.496	Emerson Dike
316	49	10	45.32876	10	3	58.03737	389507.413	5448489.770	479.057	500.394	Deloraine
317	49	46	5.79318	97	37	24.33612	599126.781	5513776.255	212.560	239.176	South Assiniboine
318	50	3	33.40593	97	42	43.44636	592187.389	5546016.161	218.189	245.089	Assiniboine River Brandon to Portage
319	50	1	46.53171	97	35	48.48569	600499.643	5542864.121	215.481	242.629	Assiniboine River Brandon to Portage
320	49	44	40.55286	97	46	39.93647	588056.425	5510951.403	216.566	242.839	Assiniboine River Brandon to Portage
321	49	40	57.83710	97	58	57.57938	573387.769	5503853.226	226.161	251.891	Assiniboine River Brandon to Portage
322	49	42	32.92329	97	15	24.03350	625687.908	5507751.700	208.529	235.511	Assiniboine River Brandon to Portage
323	49	37	14.80680	97	34	22.23351	603080.752	5497446.695	213.134	239.496	Assiniboine River Brandon to Portage
324	49	8	3.78654	97	18	26.57359	623466.409	5443774.275	213.032	239.068	Letellier
325	49	8	53.31115	97	18	54.10660	622874.529	5445291.061	214.268	240.299	Letellier
326	50	26	14.23292	96	4	31.51889	707671.762	5591339.749	212.794	242.330	Maple Creek Fall 2013
327	49	58	29.43857	98	40	21.89005	523465.462	5535885.072	261.502	286.505	PTH1 - WB & EB Lanes from PTH16 tp PTH34
328	49	37	15.66643	97	49	24.50782	584978.150	5497159.865	219.219	245.147	South Assiniboine
329	49	58	7.35451	97	38	19.10693	597626.364	5536039.837	214.881	241.816	South Assiniboine
330	49	59	3.83519	97	45	28.50111	589044.061	5537635.323	216.609	243.262	South Assiniboine
331	49	11	29.41921	97	39	45.58944	597439.306	5449605.664	221.140	246.547	PTH14
332	49	57	38.43914	97	31	2.29649	606345.056	5535312.240	214.763	242.014	South Assiniboine
333	49	43	28.16435	97	27	31.77920	611079.042	5509138.898	210.980	237.738	South Assiniboine
334	50	22	15.86330	96	5	54.14606	706329.710	5583915.123	220.552	249.940	Maple Creek Fall 2013

***Note: All control points display computed project coordinates.**



APPENDIX 1: CONTROL INFORMATION SHEETS

Control Station Information Sheet

Station ID	654002	Latitude	49 46 56.27436 N	Ortho Height (H)	237.302 m
Datum	NAD83 (CSRS)	Longitude	97 19 23.54038 W	Ellip Height (h)	210.224 m
Geoid	HT2_0	Easting	620709.871 m	Geoid Sep (N)	-27.078 m
UTM Zone	14 N	Northing	5515775.040 m	Marker Height	0.423 m

MARK DESCRIPTION

Aluminum cap. Surveyed for project South Assiniboine.

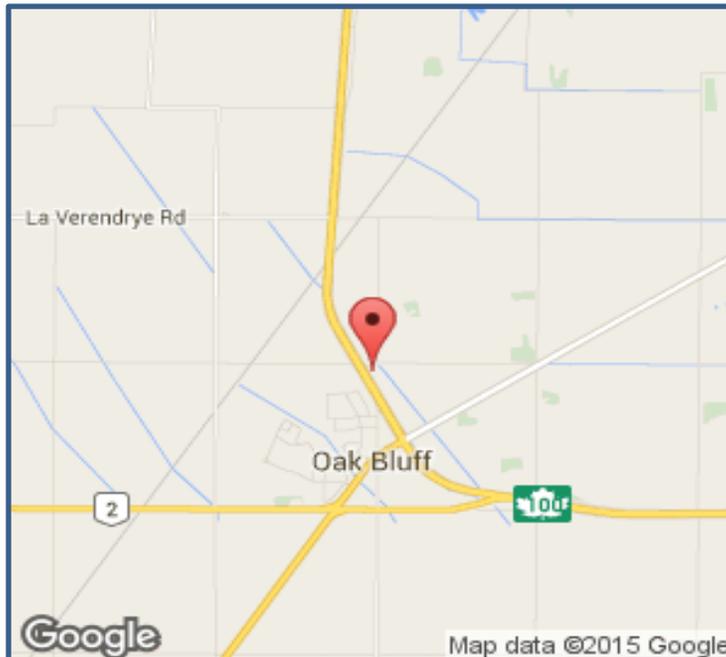
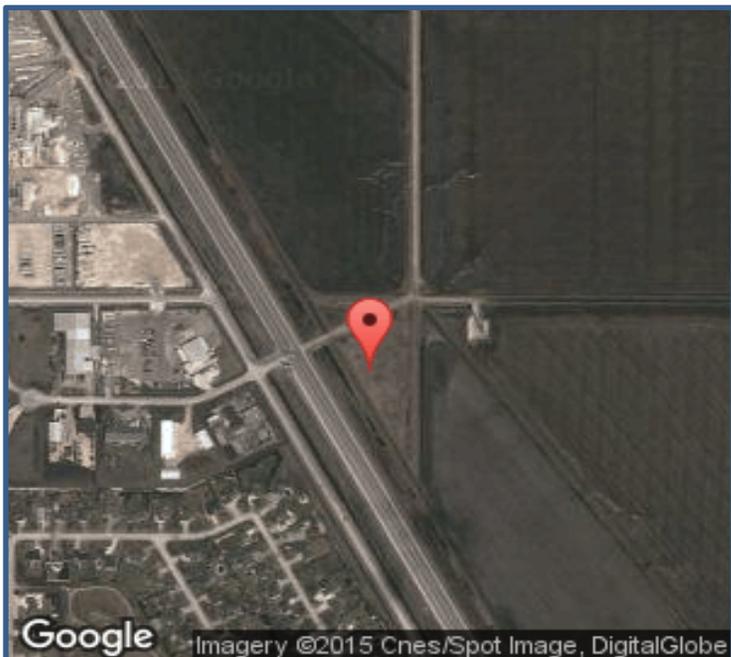
STATION PHOTOS



STATION ACCESS

From intersection of HWY16 and HWY227 drive 3.4km E on HWY227 to intersection with local road RD45W, turn N and drive 1.6km to intersection with local road RD76N. The point is located 9m N of CL of RD76N and 8m W of CL of RD45W.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	784088	Latitude	49° 58' 28.44257" N	Ortho Height (H)	277.618 m
Datum	NAD83 (CSRS)	Longitude	98° 33' 36.27250" W	Ellip Height (h)	252.439 m
Geoid	HTv2	Easting	531544.664 m	Geoid Sep (N)	-25.179 m
UTM Zone	14 N	Northing	5535895.731 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. in Concrete. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

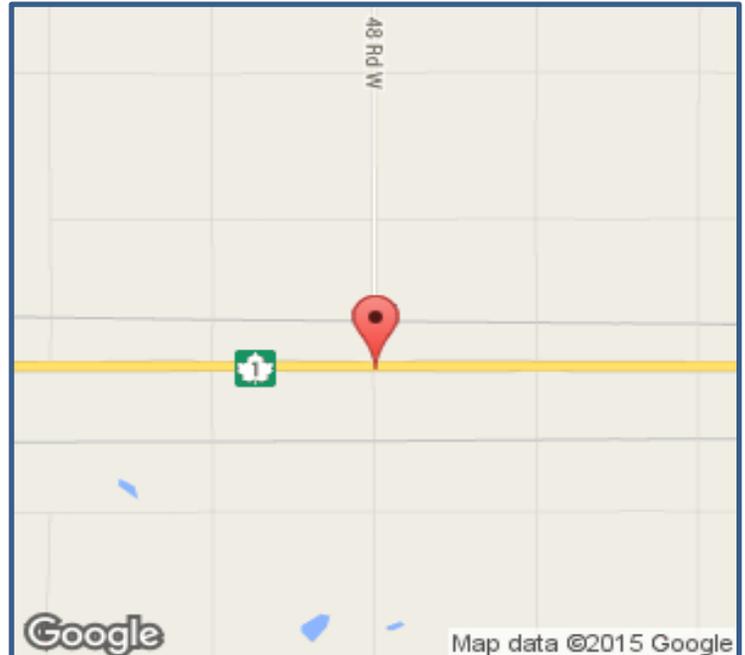
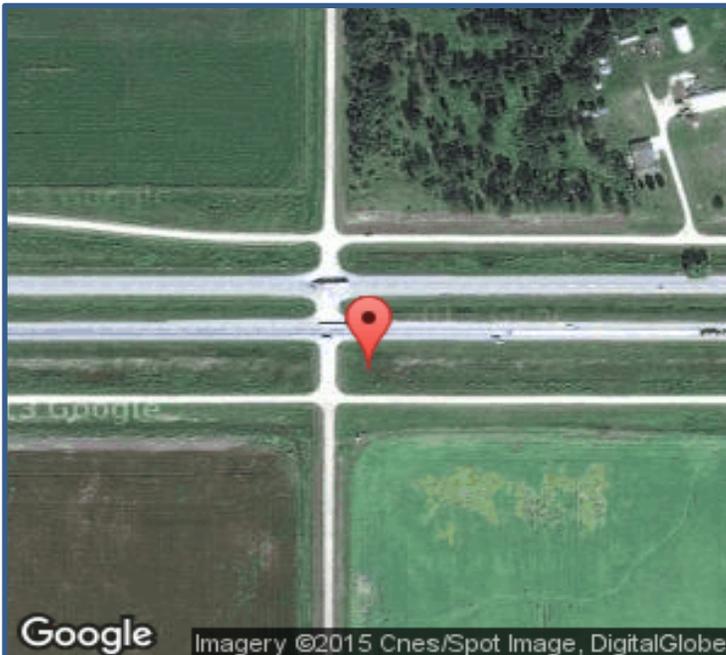
STATION PHOTOS



STATION ACCESS

The monument is located 5 km East of the intersection of HWY 1 and Rte 242 that goes South to Bagot. The monument is located in a shallow ditch between HWY 1 and 69 feet north of the south frontage road and 77 feet East of the intersection of HWY 1 and North-South road.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	7039680	Latitude	49° 54' 04.59092" N	Ortho Height (H)	376.853 m
Datum	NAD83 (CSRS)	Longitude	99° 05' 13.59553" W	Ellip Height (h)	352.668 m
Geoid	HTv2	Easting	493744.316 m	Geoid Sep (N)	-24.185 m
UTM Zone	14 N	Northing	5527657.767 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

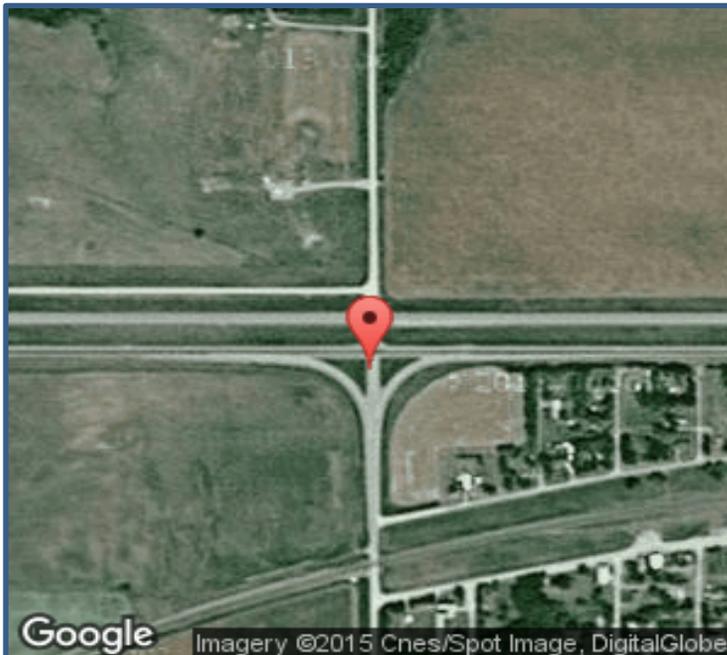
STATION PHOTOS



STATION ACCESS

The monument is located South of the intersection of Hwy 1 and Route 352. The monument is approximately 5 m West of the edge of Route 352 and 13 m South of the edge of the East bound lane of Hwy 1.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	7039681	Latitude	49° 54' 57.69085" N	Ortho Height (H)	376.552 m
Datum	NAD83 (CSRS)	Longitude	99° 05' 13.85570" W	Ellip Height (h)	352.329 m
Geoid	HTv2	Easting	493741.035 m	Geoid Sep (N)	-24.223 m
UTM Zone	14 N	Northing	5529297.717 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

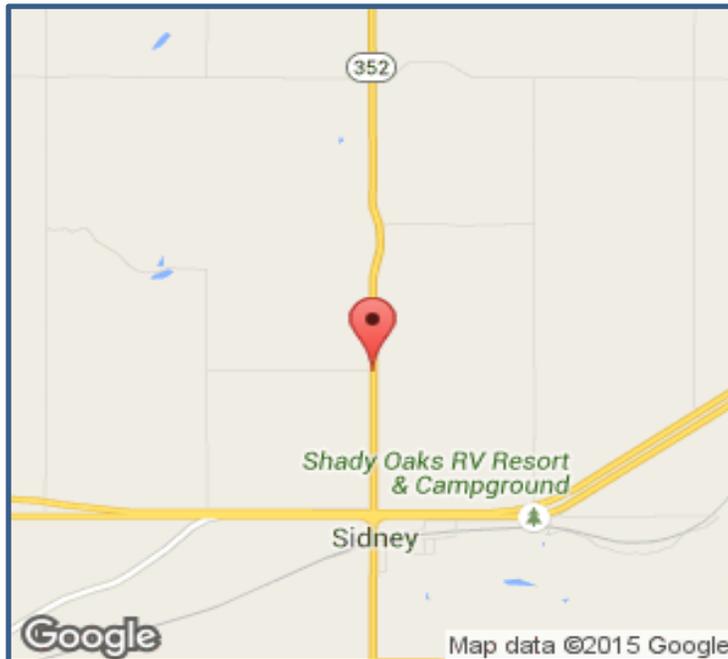
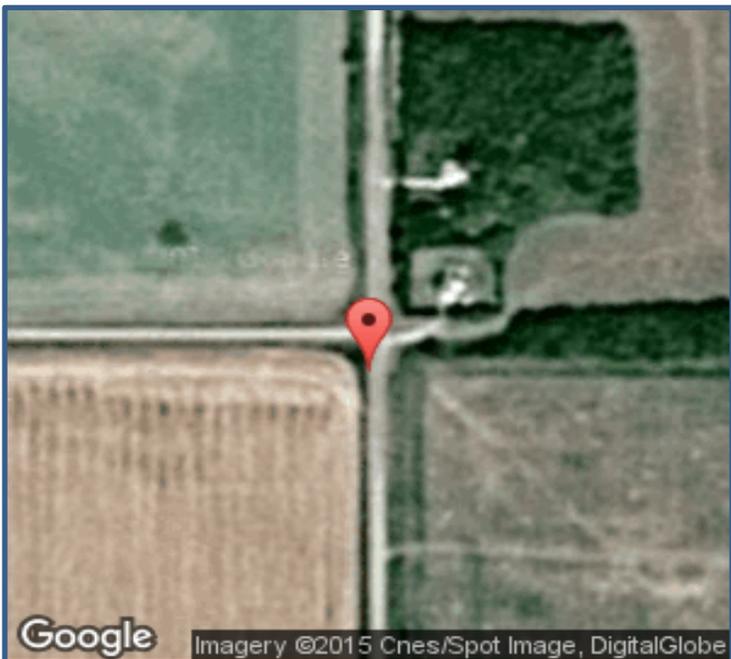
STATION PHOTOS



STATION ACCESS

The monument is located approximately 1.5 km North of the intersection of Hwy 1 and Route 352. The monument is approximately 5 m West of the edge of Route 352 and 19 m South of the edge of the road going West.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	7050301	Latitude	49° 10' 39.74779" N	Ortho Height (H)	252.630 m
Datum	NAD83 (CSRS)	Longitude	97° 45' 05.77772" W	Ellip Height (h)	227.420 m
Geoid	HTv2	Easting	590984.436 m	Geoid Sep (N)	-25.210 m
UTM Zone	14 N	Northing	5447961.157 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. in Concrete. Surveyed for project PTH14.

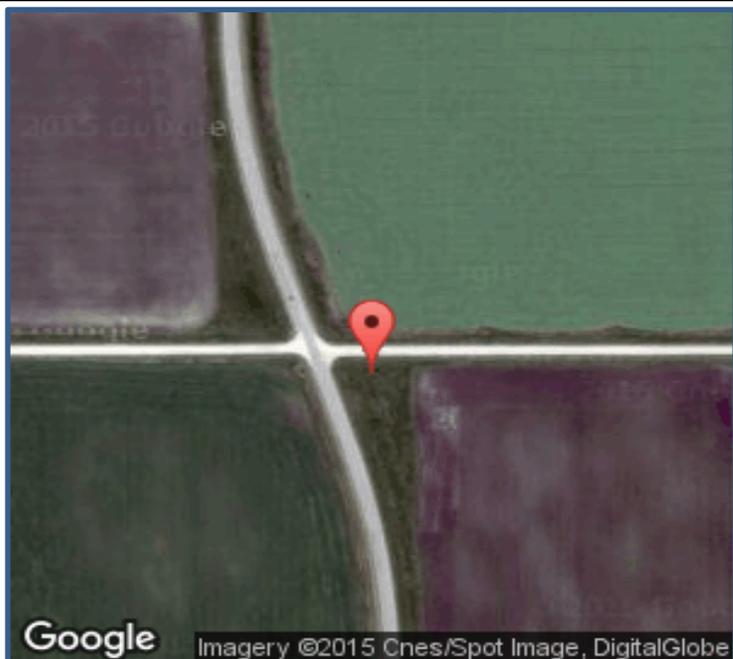
STATION PHOTOS



STATION ACCESS

The monument designates the NE35 Twp 2 Range 3W. It is located approximately 0.85 km south of the intersection of Route 306 and Hwy 14 just south of the town of Plum Coulee. The monument is located approximately 28 m East of Route 306 and approximately 10 m south of the gravel road that runs East-West.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	48M3005	Latitude	51° 12' 37.60741" N	Ortho Height (H)	277.970 m
Datum	NAD83 (CSRS)	Longitude	100° 01' 00.77762" W	Ellip Height (h)	250.696 m
Geoid	HTv2	Easting	428969.819 m	Geoid Sep (N)	-27.274 m
UTM Zone	14 N	Northing	5673719.086 m	Marker Height	0.000 m

MARK DESCRIPTION

Concrete monument . Surveyed for project Vermillion Dam.

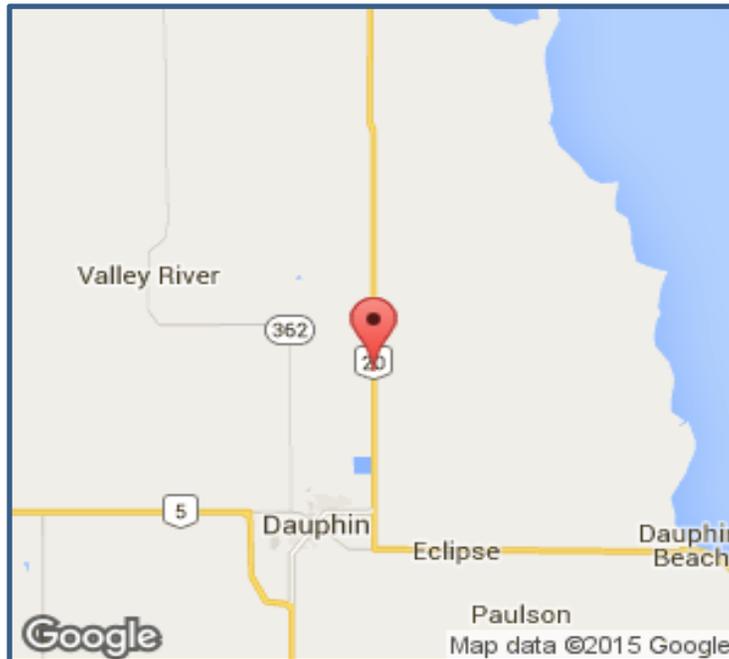
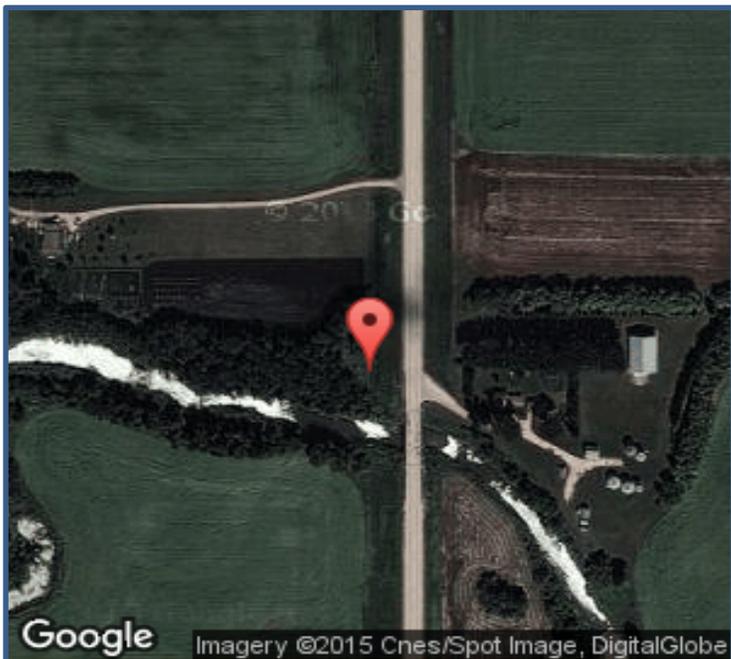
STATION PHOTOS



STATION ACCESS

Concrete monument along highway no. 20, 8.7 km northeast of post office, 41.9 m north of centre line of bridge over Wilson River, brass cap in top, 29.7 m west of centre line of highway, 80 cm east of fence line, 4 m below highway level. Established by water survey of Canada.

STATION LOCATION MAPS



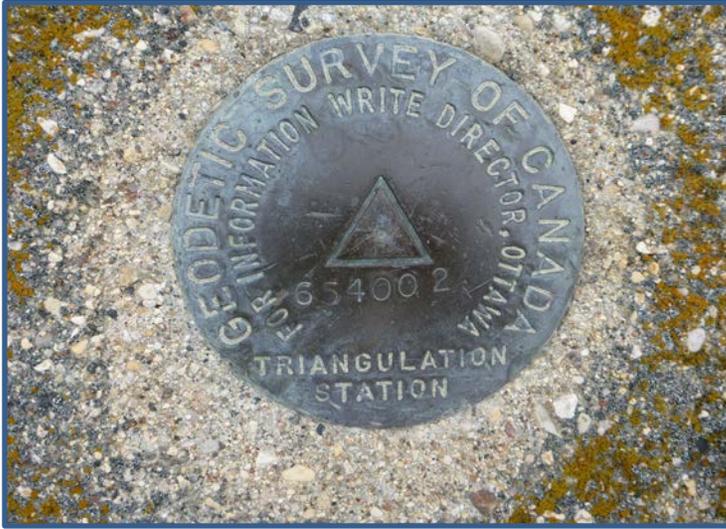
Control Station Information Sheet

Station ID	654002_F2	Latitude	49° 46' 56.27477" N	Ortho Height (H)	237.292 m
Datum	NAD83 (CSRS)	Longitude	97° 19' 23.54080" W	Ellip Height (h)	210.214 m
Geoid	HTv2	Easting	620709.862 m	Geoid Sep (N)	-27.078 m
UTM Zone	14 N	Northing	5515775.052 m	Marker Height	0.000 m

MARK DESCRIPTION

Concrete pier . Surveyed for project PTH100.

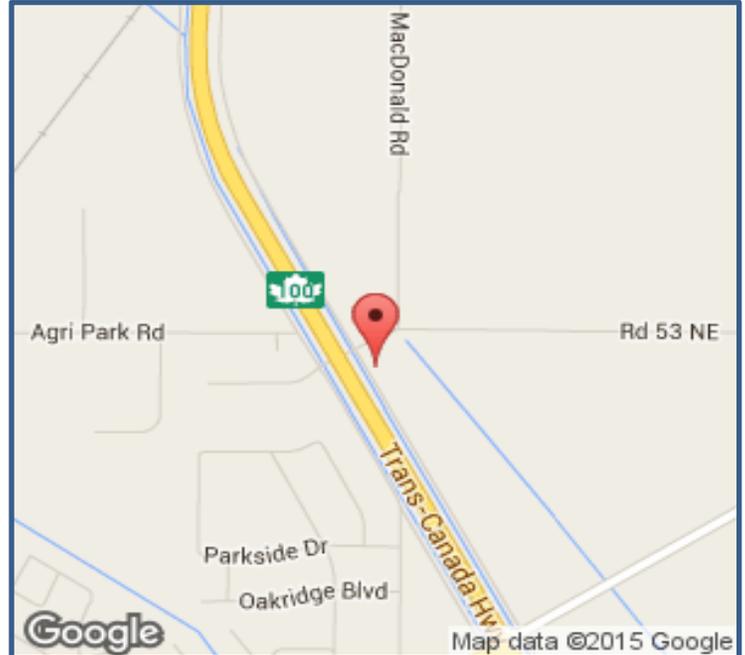
STATION PHOTOS



STATION ACCESS

Concrete pier on northeast side of northeast service road for west perimeter highway no. 100, 6.3 km south of wilkes avenue overpass, 0.9 km northwest of junction with mcgillivray boulevard, in triangular shaped field, 20.6 m from centre line of service road, in section 25-9-1 wpm, 59 m west of centre of a gravel road with access to perimeter highway, 58.8 m southeast of concrete pier reference mark no. 654002a, tablet stamped 654002 in top of pier, 45 cm above ground level. Station oak bluff.

STATION LOCTION MAPS



Control Station Information Sheet

Station ID	7039502_F	Latitude	49° 58' 27.16943" N	Ortho Height (H)	268.199 m
Datum	NAD83 (CSRS)	Longitude	98° 29' 30.17761" W	Ellip Height (h)	242.908 m
Geoid	HTv2	Easting	536446.625 m	Geoid Sep (N)	-25.291 m
UTM Zone	14 N	Northing	5535887.471 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

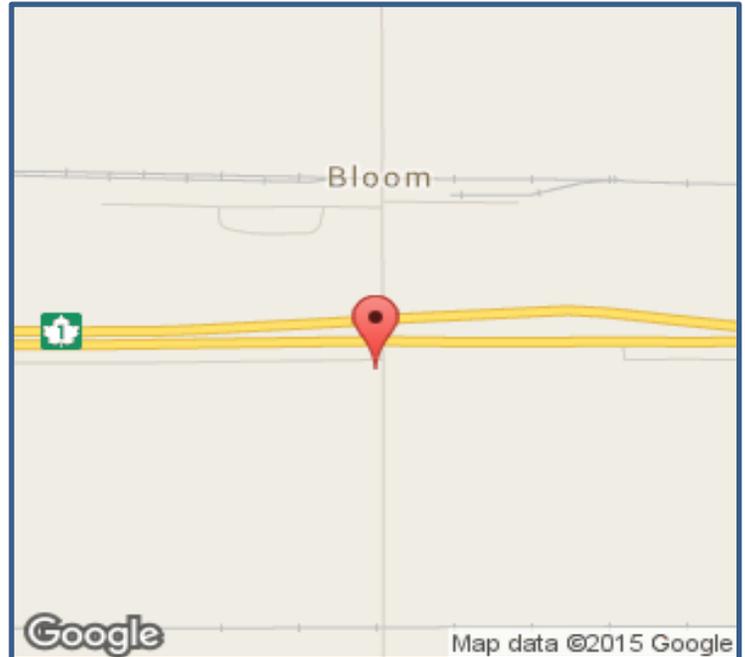
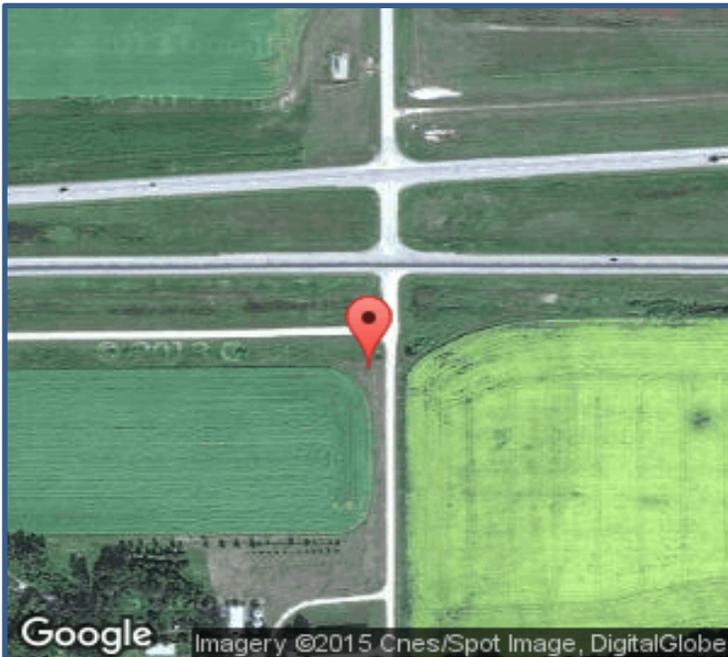
STATION PHOTOS



STATION ACCESS

The monument is located South of the intersection of Hwy 1 and Road 45W. The monument is approximately 10 m West of edge of Road 45W and 25 m South of the frontage road on the south side of Hwy 1.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	74M545	Latitude	49° 59' 24.82040" N	Ortho Height (H)	240.949 m
Datum	NAD83 (CSRS)	Longitude	97° 17' 12.99839" W	Ellip Height (h)	213.235 m
Geoid	HTv2	Easting	622791.444 m	Geoid Sep (N)	-27.714 m
UTM Zone	14 N	Northing	5538950.368 m	Marker Height	0.000 m

MARK DESCRIPTION

Deep bench mark in manhole. Surveyed for project CCW Extension Full.

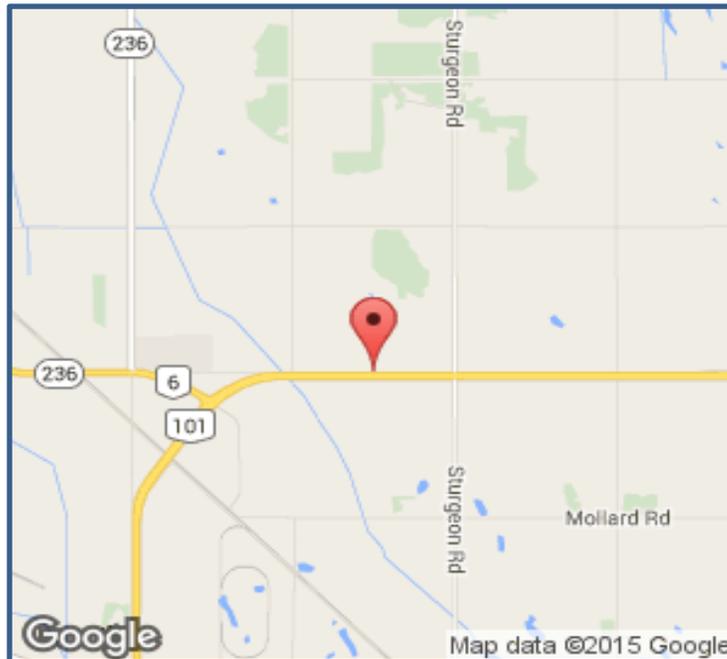
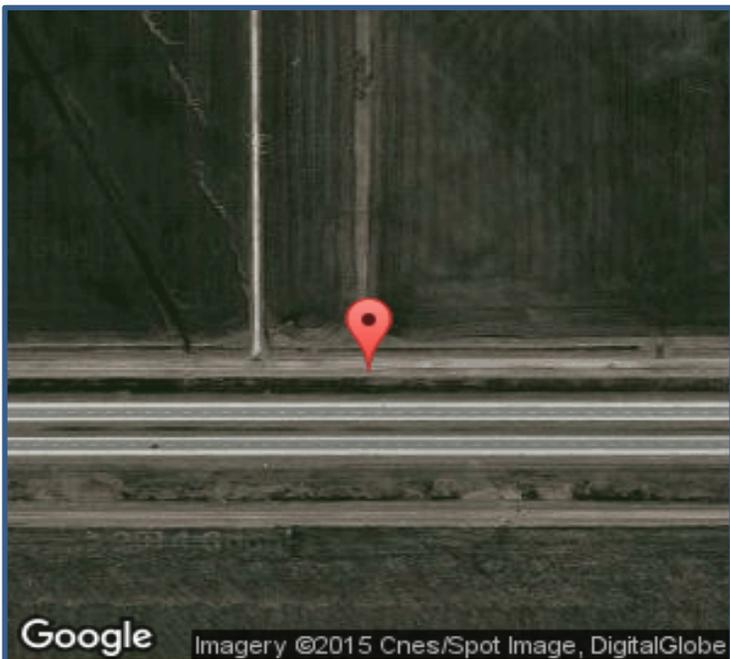
STATION PHOTOS



STATION ACCESS

Deep bench mark in manhole, rural municipality of Rosser, along north perimeter highway no. 101, 5.5 km northeast of Rosser road overpass and 0.8 km west of intersection with Sturgeon road, at centre of south side of section 8-12-2e, on south shoulder of north service road in line with a north-south fence, 67.7 m east of driveway to farmhouse, 41.1 m north of centre line of perimeter highway, 21.5 m south of power pole no. 40, 4.6 m south of centre line of service road, slightly below level of service road.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	74M623	Latitude	49° 55' 51.84477" N	Ortho Height (H)	239.382 m
Datum	NAD83 (CSRS)	Longitude	97° 24' 45.63373" W	Ellip Height (h)	211.992 m
Geoid	HTv2	Easting	639071.726 m	Geoid Sep (N)	-27.390 m
UTM Zone	14 N	Northing	5506423.109 m	Marker Height	0.000 m

MARK DESCRIPTION

Iron pipe with brass cap. Surveyed for project CCW Extension Full.

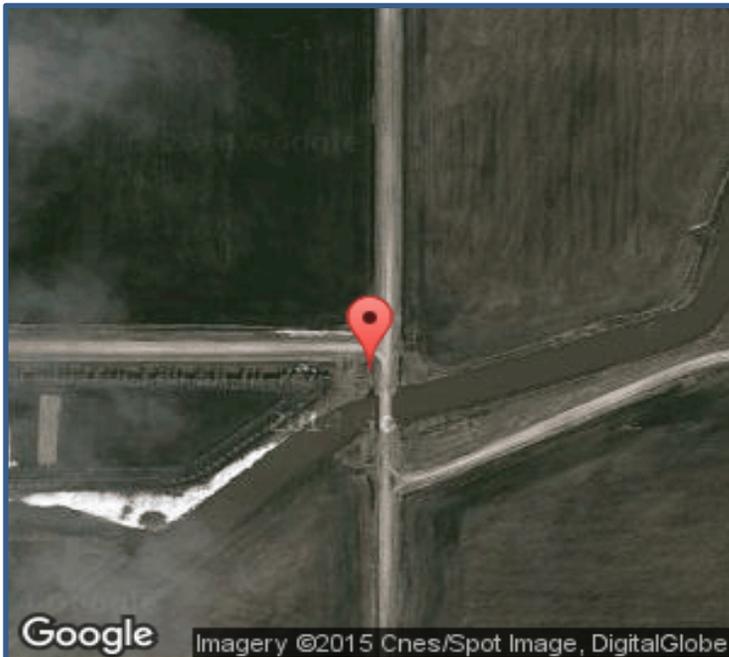
STATION PHOTOS



STATION ACCESS

Iron pipe with brass cap at intersection of two government road allowances, rural municipality of Rosser, 6.4 km west of west perimeter highway no. 101, and 0.6 km north of four mile road, 19.8 m northwest of northwest corner of wooden bridge over Sturgeon Creek, 15.2 m west of a north-south road allowance, 14.0 m south of an east-west road allowance, and 0.9 m east of legal survey marker for northwest corner of section 16-11-1e, at ground level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	74M627	Latitude	49° 55' 52.41647" N	Ortho Height (H)	238.443 m
Datum	NAD83 (CSRS)	Longitude	97° 21' 19.07428" W	Ellip Height (h)	210.970 m
Geoid	HTv2	Easting	618036.882 m	Geoid Sep (N)	-27.473 m
UTM Zone	14 N	Northing	5532280.863 m	Marker Height	0.000 m

MARK DESCRIPTION

Iron pipe with brass cap. Surveyed for project CCW Extension Full.

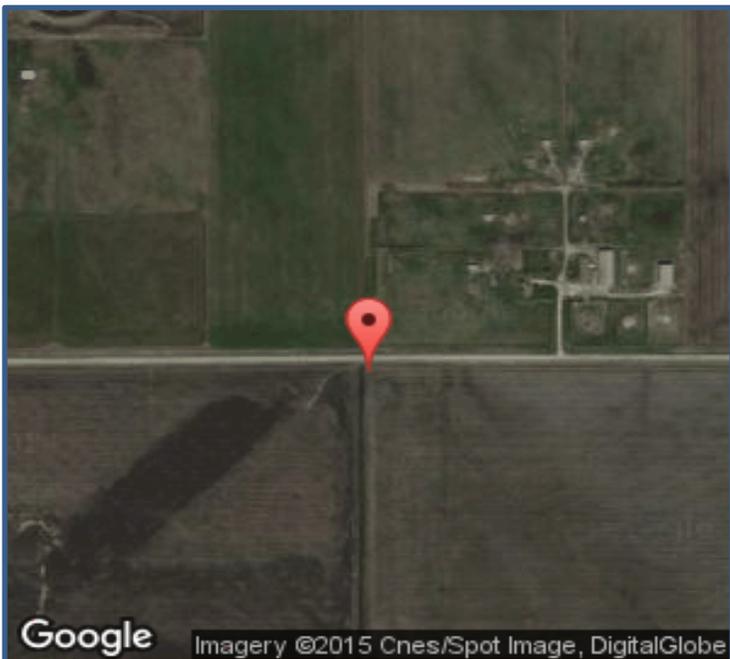
STATION PHOTOS



STATION ACCESS

Iron pipe with brass cap, along government road allowance, community of st. James assiniboia, 2.4 km west of west perimeter highway no. 101 and 0.4 km north of four mile road, 14.3 m south of centre line of road and 3.7 m east of centre line of car path through the field, 0.7 m east of quarter section marker at boundary between section 23-11-1e and 14-11-1e, at ground level.

STATION LOCTION MAPS



Control Station Information Sheet

Station ID	784267CS	Latitude	49° 37' 14.00134" N	Ortho Height (H)	234.934 m
Datum	NAD83 (CSRS)	Longitude	97° 02' 56.47629" W	Ellip Height (h)	207.845 m
Geoid	HTv2	Easting	640913.962 m	Geoid Sep (N)	-27.089 m
UTM Zone	14 N	Northing	5498271.679 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. in Concrete. Surveyed for project St Adolphe.

STATION PHOTOS



STATION ACCESS

Station is approximately 1.6 km North of the Town of Niverville. From intersection of P.R. No. 311 and C.P. Railway drive 0.8 km West to gravel road. Turn North and proceed 1.6 km to Stott Road. Turn East on Stott Road and drive approximately 0.8 km to C.P. Railway. Station is in Southwest corner of intersection. Buried fibre-optic cable in vicinity of monument. Monument is at ground level.

STATION LOCATION MAPS



Station ID	79M108	Latitude	49 10 39.86500 N	Ortho Height (H)	538.039 m
Datum	NAD83 (CSRS)	Longitude	100 03 45.53763 W	Ellip Height (h)	516.766 m
Geoid	HT2_0	Easting	422552.729 m	Geoid Sep (N)	-21.273 m
UTM Zone	14 N	Northing	5447758.149 m	Marker Height	0.000 m

MARK DESCRIPTION

Deep bench mark in manhole. Surveyed for project Deloraine.

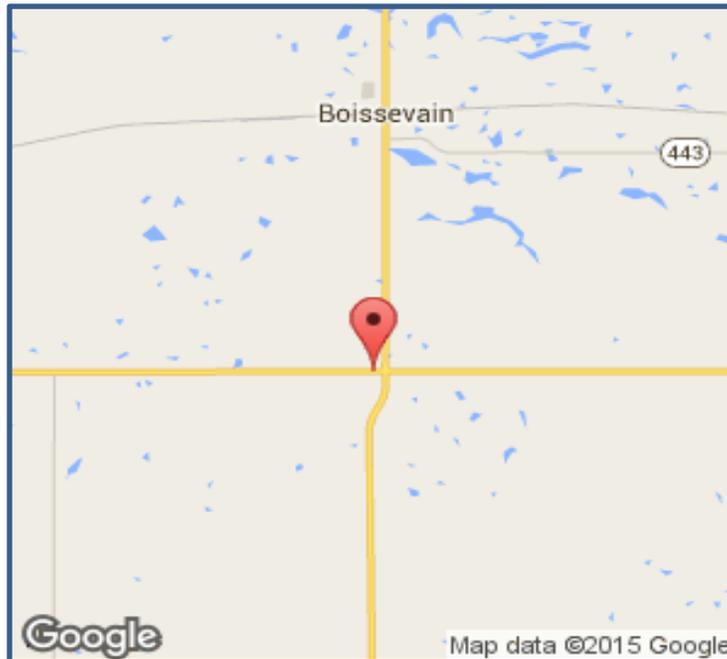
STATION PHOTOS



STATION ACCESS

Grass island at NE corner of INT of old HWY10 and HWY3, 6.4km S of Boissevain collegiate, 26m SE of centre line of HWY10, 15m N of centre line of HWY3, 7m of 2-foot steel culvert.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	79M195	Latitude	50° 28' 37.37860" N	Ortho Height (H)	553.627 m
Datum	NAD83 (CSRS)	Longitude	100° 45' 40.52623" W	Ellip Height (h)	529.903 m
Geoid	HTv2	Easting	375032.962 m	Geoid Sep (N)	-23.724 m
UTM Zone	14 N	Northing	5593155.254 m	Marker Height	0.000 m

MARK DESCRIPTION

Deep bench mark under access cover. Surveyed for project PTH16 PTH83-WJCT264 900r.

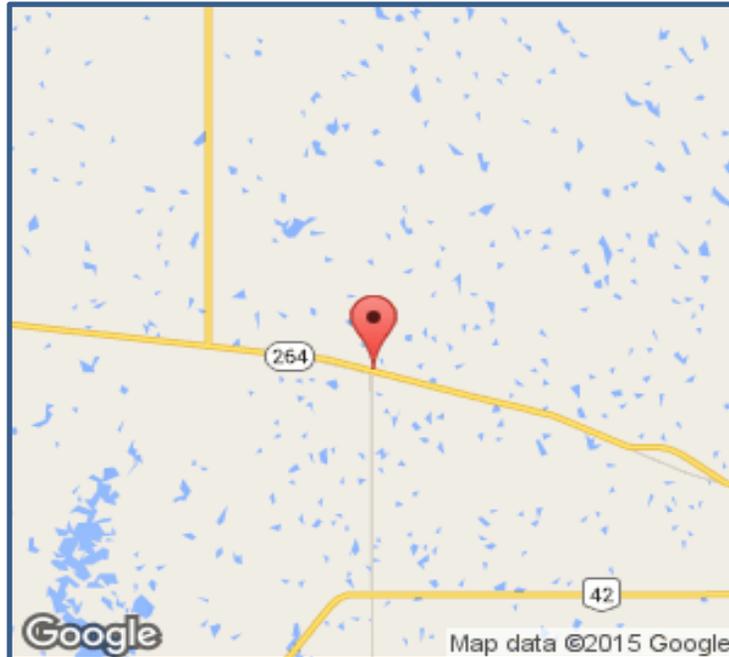
STATION PHOTOS



STATION ACCESS

Deep bench mark under access cover at junction of highway no. 16 and provincial road no. 264, 12.2 km northwest of junction of highway no. 42, 11.1 km east of roman catholic church, 33.6 m east of centre line of road along west boundary of section 29-17-24, 23.0 m north of centre line of highway, 21.1 m east of junction power pole, 1 m below highway level. Suitable for gps.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	81M055	Latitude	49 33 45.63027 N	Ortho Height (H)	443.058 m
Datum	NAD83 (CSRS)	Longitude	100 57 41.78472 W	Ellip Height (h)	421.269 m
Geoid	HT2_0	Easting	358150.644 m	Geoid Sep (N)	-21.789 m
UTM Zone	14 N	Northing	5491857.248 m	Marker Height	0.000 m

MARK DESCRIPTION

Deep bench mark under access cover. Surveyed for project Deloraine.

STATION PHOTOS



STATION ACCESS

Deep bench mark under access cover on north side of highway no. 2 at junction with highway no. 83, 1.2 km west of junction with access road to town, along north boundary of section 7-07-26 wpm, 97.4 m east of centre line of highway no. 83, 46.0 m from centre line of highway no. 2, 20.2 m southeast of southeast corner of fence around transmission station, 70 cm west of fence line, 2 m below highway level.

STATION LOCATION MAPS



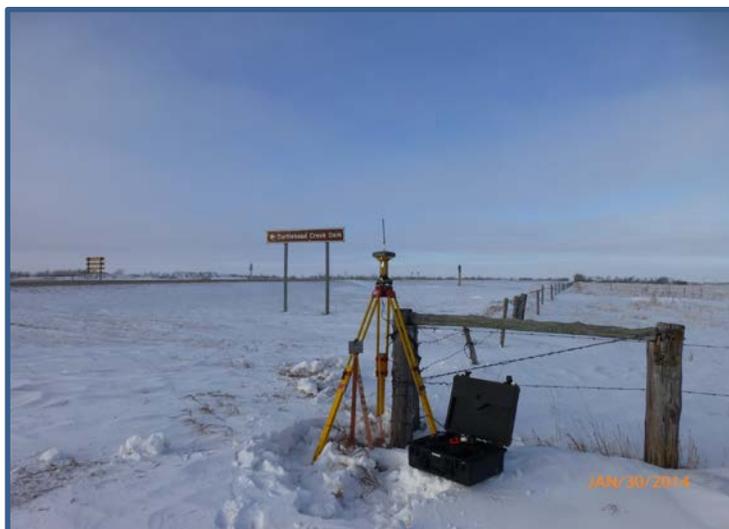
Control Station Information Sheet

Station ID	82R427	Latitude	49 10 40.30181 N	Ortho Height (H)	507.995 m
Datum	NAD83 (CSRS)	Longitude	100 25 13.77377 W	Ellip Height (h)	486.709 m
Geoid	HT2_0	Easting	396473.564 m	Geoid Sep (N)	-21.286 m
UTM Zone	14 N	Northing	5448199.361 m	Marker Height	0.000 m

MARK DESCRIPTION

Aluminum cap in an 8 foot Helix Tube. Surveyed for project Deloraine.

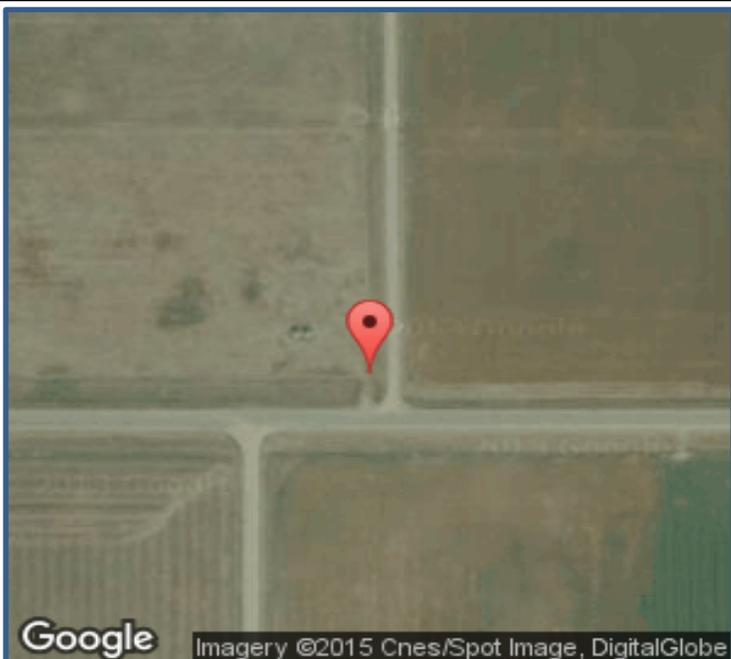
STATION PHOTOS



STATION ACCESS

The monument is approximately 5.4 km East/Southeast of Deloraine. S.E. Section 6, Township 3, Range 22 W. ST. O.576 chains South. A marker post is 0.3 m S.E. of the monument. There is a shallow ditch on the East side of the monument. The monument is at ground level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	82R433	Latitude	49 15 34.45754 N	Ortho Height (H)	482.936 m
Datum	NAD83 (CSRS)	Longitude	100 34 45.05784 W	Ellip Height (h)	461.408 m
Geoid	HT2_0	Easting	385098.148 m	Geoid Sep (N)	-21.528 m
UTM Zone	14 N	Northing	5457511.657 m	Marker Height	0.000 m

MARK DESCRIPTION

Aluminum cap in an 8 foot Helix Tube. Surveyed for project Deloraine.

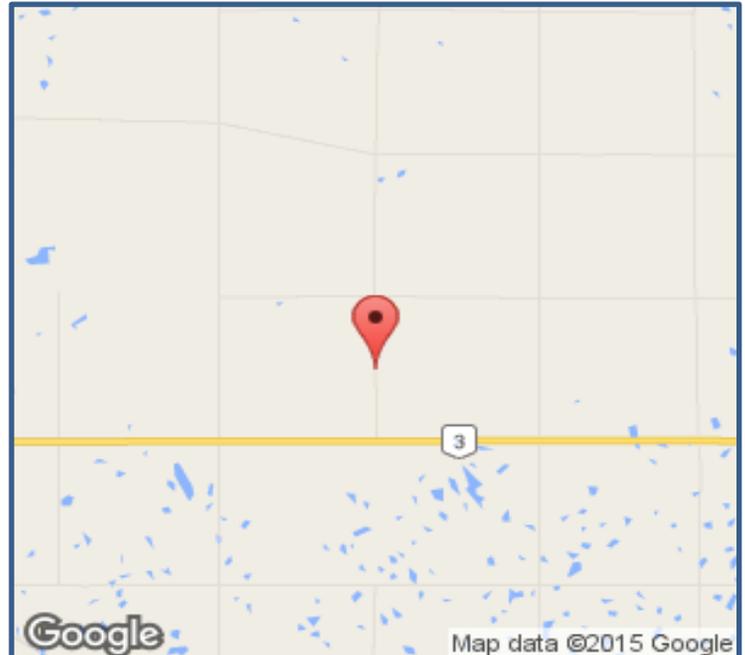
STATION PHOTOS



STATION ACCESS

The monument is approximately 9.6 km Northwest of Deloraine. 1/4 E. Section 36, Township 3, Range 24 W. A marker post is 0.2 m N.E. of the monument. The monument is 7 m West of the edge of the road embankment. The monument is 0.05 m below ground level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	83R428	Latitude	50° 30' 11.11038" N	Ortho Height (H)	542.721 m
Datum	NAD83 (CSRS)	Longitude	100° 55' 22.13231" W	Ellip Height (h)	519.143 m
Geoid	HTv2	Easting	363645.700 m	Geoid Sep (N)	-23.578 m
UTM Zone	14 N	Northing	5596334.412 m	Marker Height	0.000 m

MARK DESCRIPTION

Brass alloy cap in a 5 cm, dia. 2.4m. Long helix tube. Surveyed for project PTH16 PTH83-WJCT264 900r.

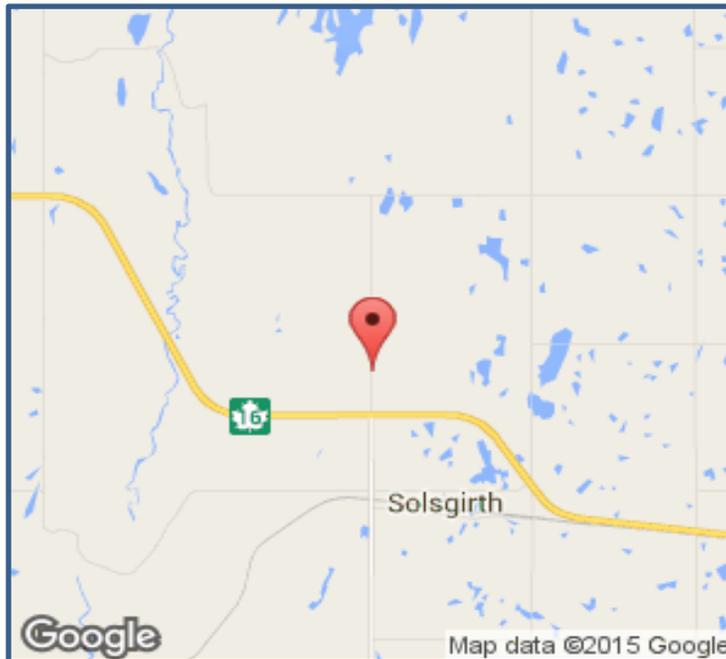
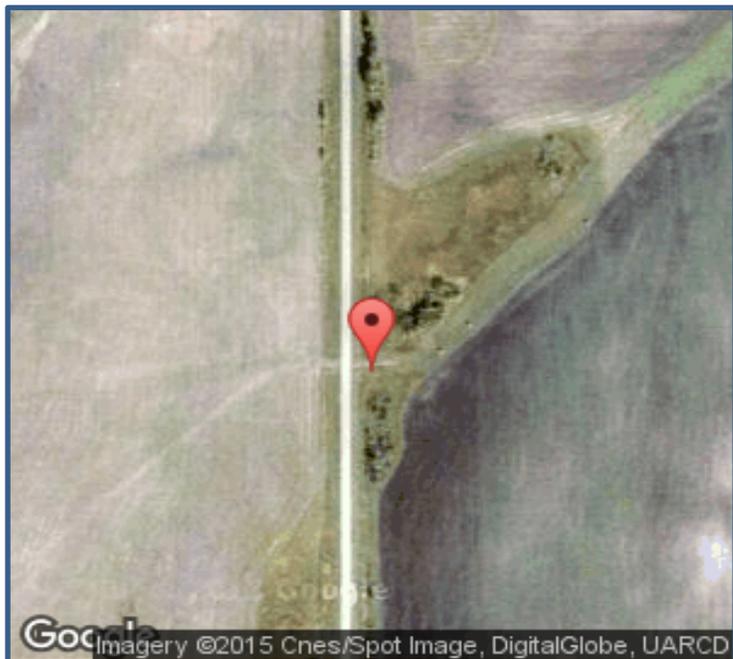
STATION PHOTOS



STATION ACCESS

Monument is located approximately 19 km Southwest of the Town of Rossburn, near the Northwest quarter of Section 31, Township 17, Range 25. The monument is slightly uneven grassy area on the East side of a gravel road with hydro line to the West. The monument is buried 0.300 m.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	83R438	Latitude	50° 25' 02.30662" N	Ortho Height (H)	506.492 m
Datum	NAD83 (CSRS)	Longitude	101° 03' 13.45042" W	Ellip Height (h)	483.182 m
Geoid	HTv2	Easting	354098.525 m	Geoid Sep (N)	-23.310 m
UTM Zone	14 N	Northing	5587046.220 m	Marker Height	0.000 m

MARK DESCRIPTION

a dualaluminum cap in a 5 cm. dia. 2.4m long helix tube. Surveyed for project PTH16 PTH83-WJCT264 900r.

STATION PHOTOS



STATION ACCESS

Station site is located within the town limits of Birtle, near the Northwest quarter of Section 31, Township 16, Range 26. The monument is 0.2 km west of the intersection of Queens Avenue and Centre Street on the south side of Queens Ave. The area is of slightly uneven grassy ground and there is a hydro line to the North of the road. The monument is buried 0.250 m. A marker post is 0.3 m N.E. of the monument.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	83R728	Latitude	50° 30' 20.85997" N	Ortho Height (H)	538.666 m
Datum	NAD83 (CSRS)	Longitude	101° 04' 13.82152" W	Ellip Height (h)	515.281 m
Geoid	HTv2	Easting	353181.558 m	Geoid Sep (N)	-23.385 m
UTM Zone	14 N	Northing	5596917.245 m	Marker Height	0.000 m

MARK DESCRIPTION

a dualuminum cap in a 5 cm. dia. 2.4m long helix tube. Surveyed for project PTH16 PTH83-WJCT264 900r.

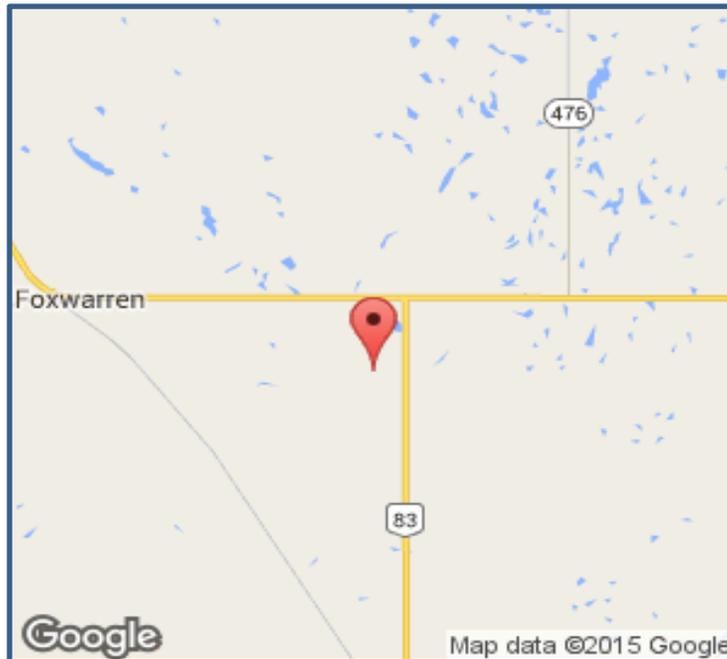
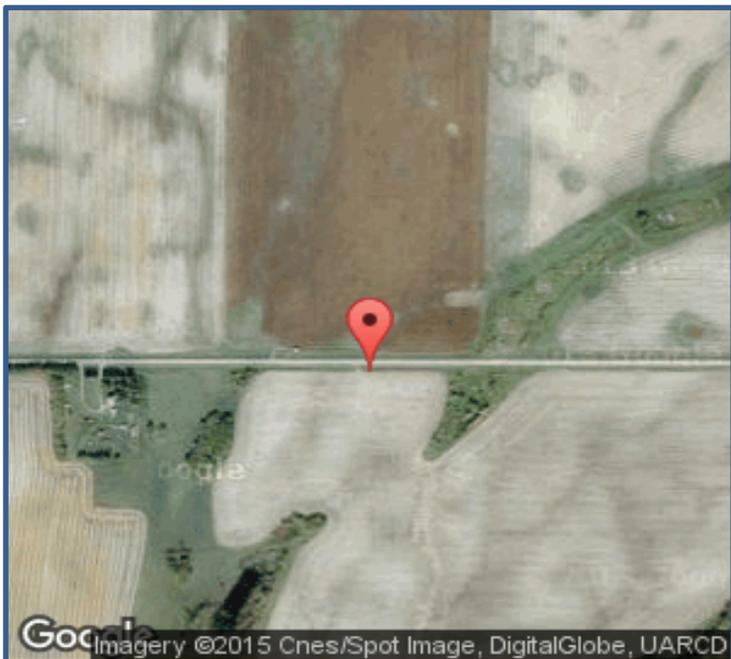
STATION PHOTOS



STATION ACCESS

The monument is located approximately 6 km Southeast of the Town of Foxwarren and approximately 0.6 km West of P.T.H. No. 83 on section road on North limit of Section 36-17-27. Field access is located approximately 12 metres West. Marker post placed 1.2 m North of monument. The monument is buried 0.280 m.

STATION LOCTION MAPS





Station ID	84M067_F	Latitude	49° 46' 05.07555" N	Ortho Height (H)	236.502 m
Datum	NAD83 (CSRS)	Longitude	97° 20' 44.24797" W	Ellip Height (h)	209.490 m
Geoid	HTv2	Easting	619130.919 m	Geoid Sep (N)	-27.012 m
UTM Zone	14 N	Northing	5514158.122 m	Marker Height	0.000 m

MARK DESCRIPTION

Helix pipe with brass cap. Surveyed for project PTH100.

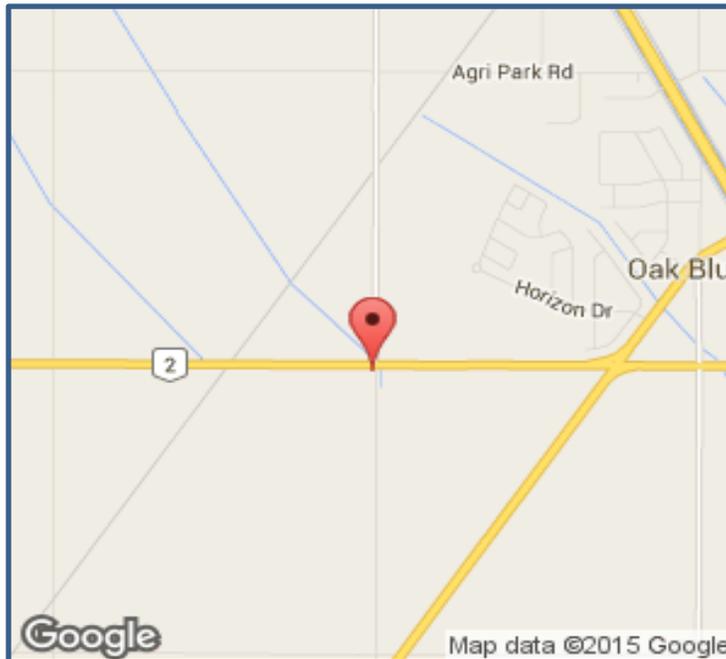
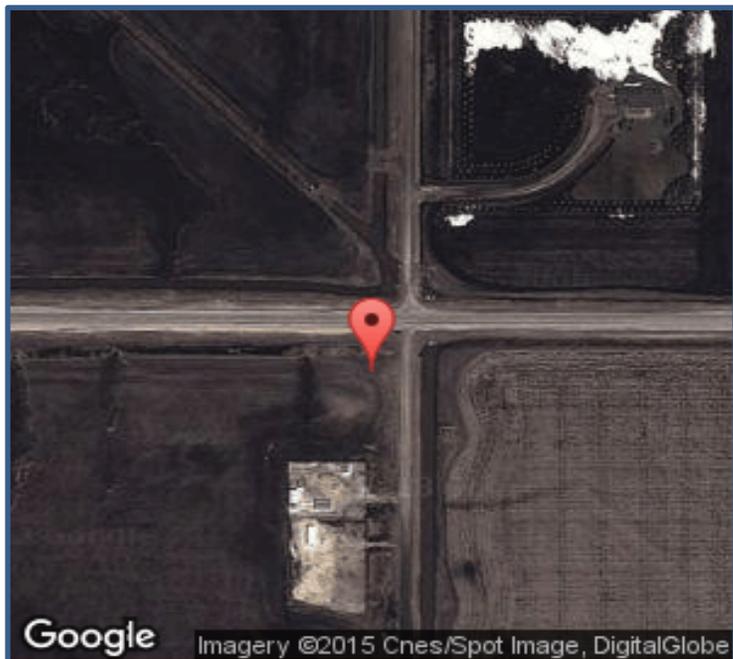
STATION PHOTOS



STATION ACCESS

Helix pipe with brass cap on south side of highway no. 2, 1.3 km west of junction with highway no. 3, 33.3 m from highway centre line, 25.0 m west of centre of gravel road along east boundary of section 23-09-01-epm, 50 cm north of section corner pin, slightly below highway level, 25 cm below ground level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	84R249	Latitude	50 14 15.58697 N	Ortho Height (H)	263.810 m
Datum	NAD83 (CSRS)	Longitude	96 05 09.56434 W	Ellip Height (h)	234.666 m
Geoid	HT2_0	Easting	707791.028 m	Geoid Sep (N)	-29.144 m
UTM Zone	14 N	Northing	5569119.166 m	Marker Height	0.000 m

MARK DESCRIPTION

Brass alloy cap in a 2.4 m long helix pipe. Surveyed for project Maple Creek Fall 2013.

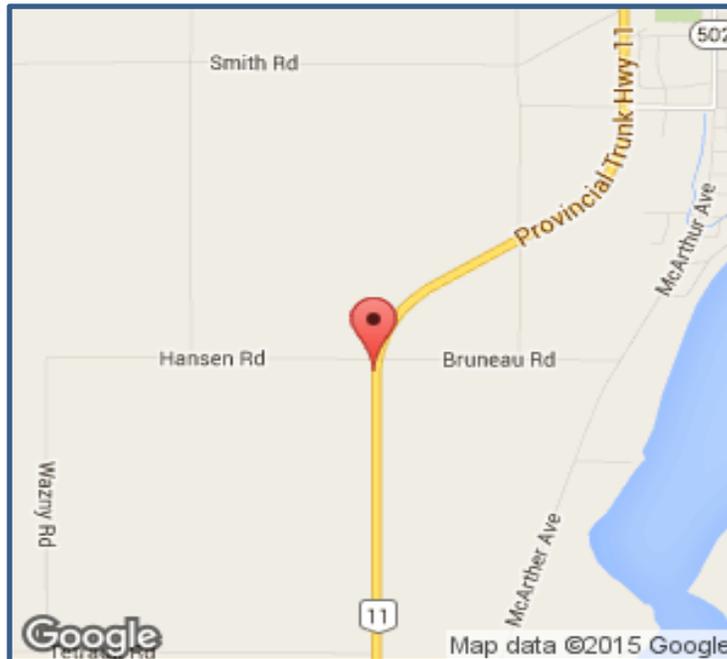
STATION PHOTOS



STATION ACCESS

Station site 84R249 is located approximately 2.2 km southwest of the town of Lac Du Bonnet and is on the west side of Highway No. 11 near the Northeast Corner of Section 36 Township 14 Range 19 East . The monument is approximately 25.8 metres west of the centreline of the N-S road and approximately 60 metres south of the monument marking the apparent NE36-14-10E.

STATION LOCATION MAPS



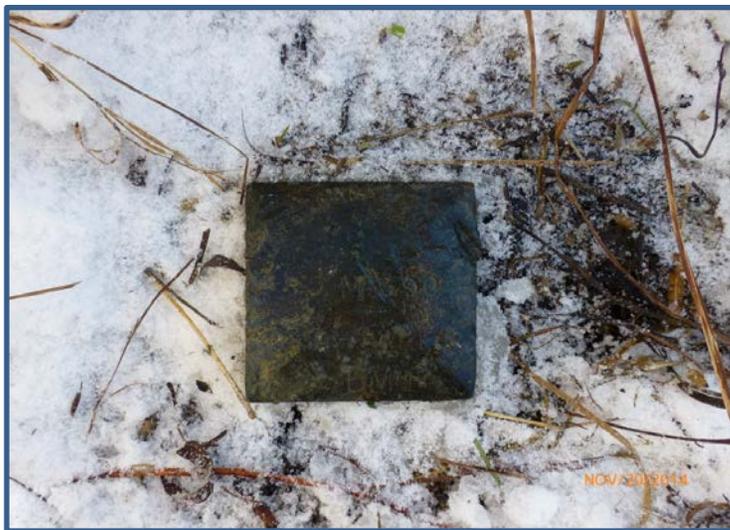
Control Station Information Sheet

Station ID	85M390	Latitude	49° 55' 52.75645" N	Ortho Height (H)	247.909 m
Datum	NAD83 (CSRS)	Longitude	98° 01' 57.20842" W	Ellip Height (h)	221.830 m
Geoid	HTv2	Easting	569431.904 m	Geoid Sep (N)	-26.079 m
UTM Zone	14 N	Northing	5531443.338 m	Marker Height	0.000 m

MARK DESCRIPTION

Helix pipe with brass cap. Surveyed for project PTH1 - PTH13 to PR248.

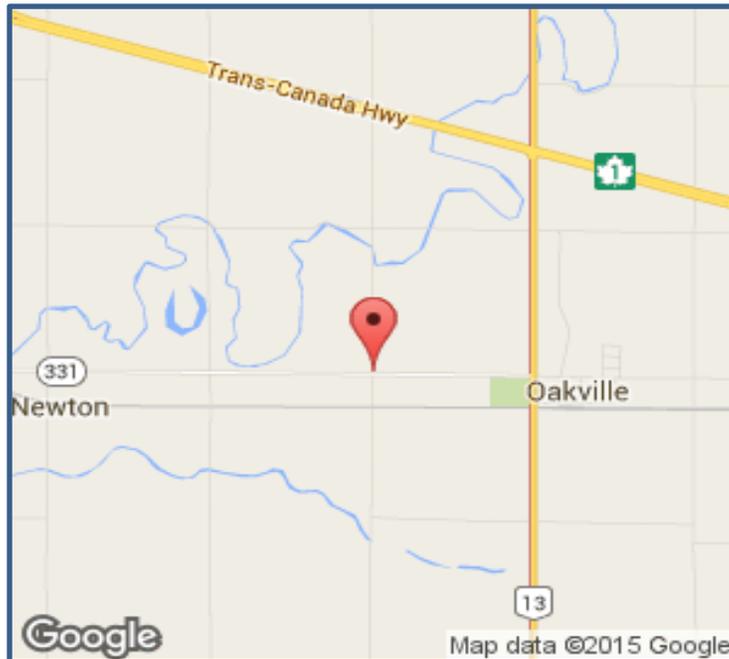
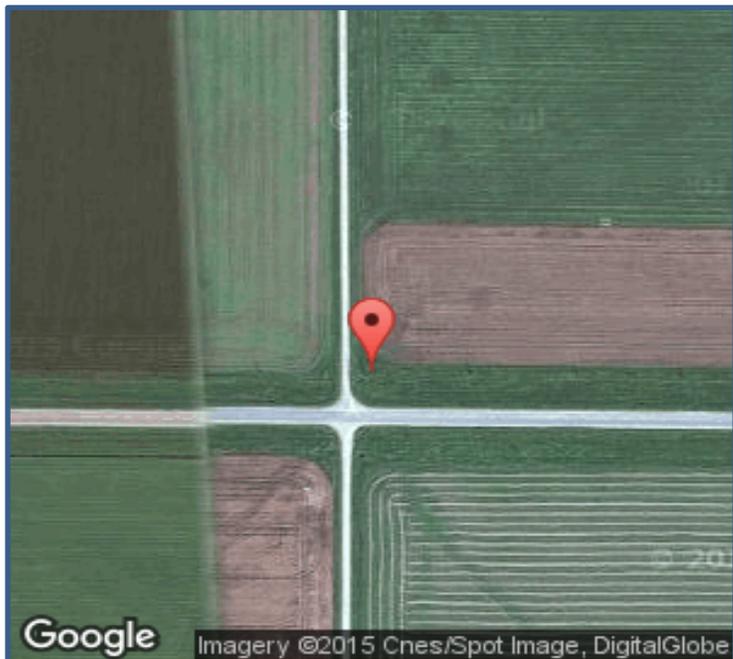
STATION PHOTOS



STATION ACCESS

The monument is a Helix pipe with brass cap along Provincial Road 331, 1.6 km West of the junction with Hwy 13, 3.3 km East of Newton Junction, 34.3 m North of centreline of highway, 13.0 m East of centreline of gravel road along West boundary of section 24-11-5, in line with row of power poles going South, 4.2 m North of junction power pole and 1.5 m below highway level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	85M410_F	Latitude	49° 46' 07.37984" N	Ortho Height (H)	232.739 m
Datum	NAD83 (CSRS)	Longitude	97° 11' 31.26150" W	Ellip Height (h)	205.540 m
Geoid	HTv2	Easting	630189.828 m	Geoid Sep (N)	-27.199 m
UTM Zone	14 N	Northing	5514484.494 m	Marker Height	0.000 m

MARK DESCRIPTION

Helix pipe with brass cap. Surveyed for project PTH100.

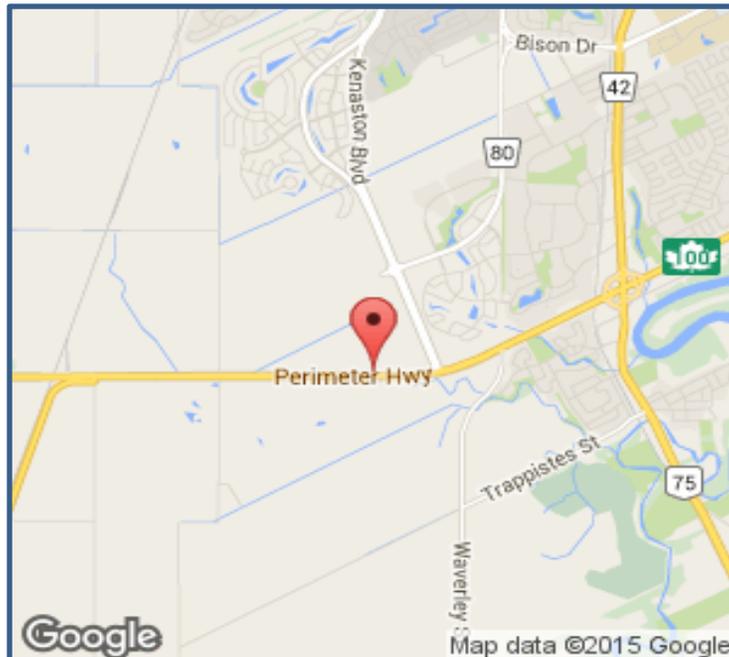
STATION PHOTOS



STATION ACCESS

Helix pipe with brass cap along south perimeter hwy #100, 2.8 km southwest of pembina hwy overpass, 16.55 km southeast of wilkes avenue overpass, 9.35 km southeast of junc with mc gillivray boulevard, 54.2 m north of c/l of west bound lane of hwy, 7.7 m north of c/l of service road, 53.3 m west of c/l of approach on to hwy and 1.0 m below hwy level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	87R174	Latitude	49 33 15.64567 N	Ortho Height (H)	237.136 m
Datum	NAD83 (CSRS)	Longitude	97 19 19.90615 W	Ellip Height (h)	210.504 m
Geoid	HT2_0	Easting	621348.400 m	Geoid Sep (N)	-26.632 m
UTM Zone	14 N	Northing	5490435.083 m	Marker Height	0.000 m

MARK DESCRIPTION

Brass cap. Surveyed for project South Assiniboine.

STATION PHOTOS



STATION ACCESS

From intersection of RD305 and RD330 drive E on RD305 for 1.9km, turn S on RR and drive for 2.4km S. Point is located 15m W of RR and 7m N of hydro pole.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	87RL174	Latitude	49° 11' 26.89982" N	Ortho Height (H)	238.619 m
Datum	NAD83 (CSRS)	Longitude	97° 24' 52.76736" W	Ellip Height (h)	212.728 m
Geoid	HTv2	Easting	615510.242 m	Geoid Sep (N)	-25.891 m
UTM Zone	14 N	Northing	5449876.709 m	Marker Height	0.000 m

MARK DESCRIPTION

DLSPC. Surveyed for project PTH1.

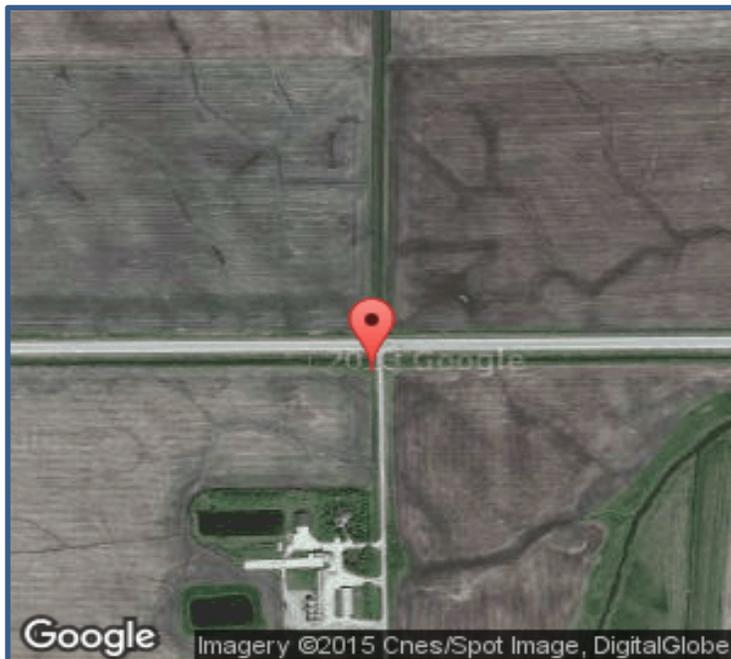
STATION PHOTOS



STATION ACCESS

The monument is located 6.8 km West of the intersection of Hwy 14 and Hwy 75. The monument is located approximately 8 m west of the North-south road and 30 m south of the edge of Hwy 14. Witness post in 0.279 m North

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	89M016	Latitude	49° 11' 34.54551" N	Ortho Height (H)	256.665 m
Datum	NAD83 (CSRS)	Longitude	97° 49' 12.97994" W	Ellip Height (h)	231.565 m
Geoid	HTv2	Easting	585953.620 m	Geoid Sep (N)	-25.100 m
UTM Zone	14 N	Northing	5449573.014 m	Marker Height	0.000 m

MARK DESCRIPTION

Ground rod in manhole. Surveyed for project PTH14.

STATION PHOTOS



STATION ACCESS

Ground rod in manhole along highway nO 14, 5.3 km west of junction with secondary road nO 248 in town, 8.8 km east of junction with main access road to town of winkler < main street >, 31.9 m north of centre line of highway, 17.5 m east of centre line of road along east boundary of section O8-O3-O3 wpm, 4.8 m east of power pole bearing guy wire, directly under power line, slightly below highway level.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	89R001	Latitude	49 51 15.29099 N	Ortho Height (H)	239.472 m
Datum	NAD83 (CSRS)	Longitude	97 28 41.69582 W	Ellip Height (h)	212.398 m
Geoid	HT2_0	Easting	609386.656 m	Geoid Sep (N)	-27.074 m
UTM Zone	14 N	Northing	5523536.000 m	Marker Height	0.000 m

MARK DESCRIPTION

Concrete pillar with top plate. 1.2m high. Surveyed for project South Assiniboine.

STATION PHOTOS

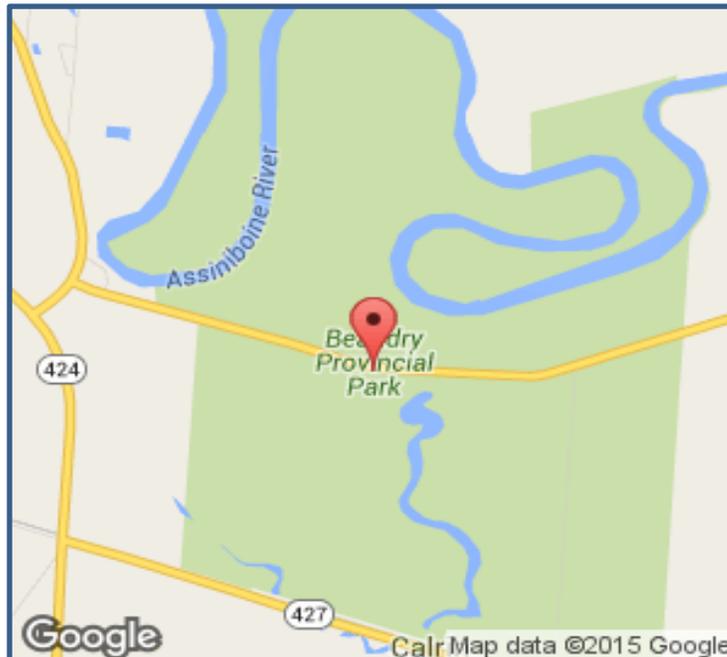
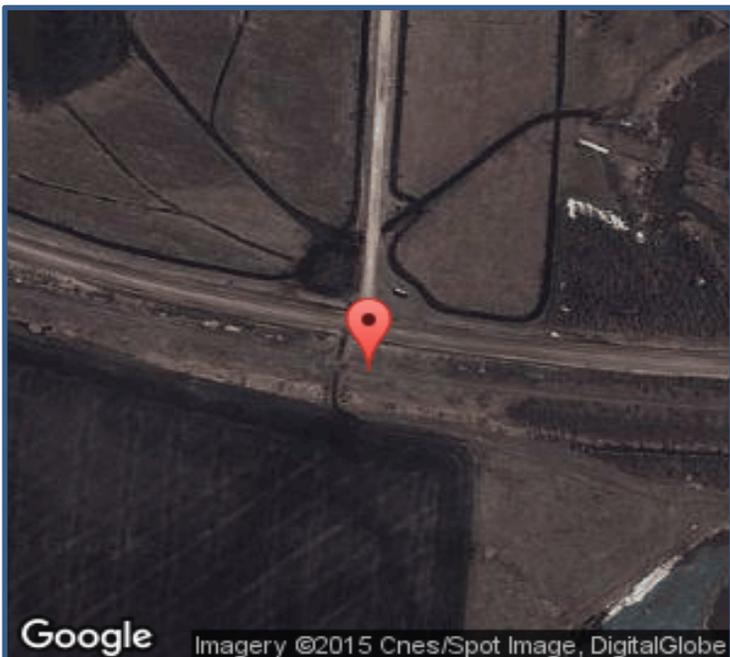


STATION ACCESS

Point is located at Beaudry Park along PR241 6km W of PR34, the road over the Assiniboine River in Headingly and 1.5km E of the intersection with PR324

The monument is located on an abandoned railway bed approximately 27.1 m south of the centreline of P.R. 241, directly opposite the main entrance to Beaudry Provincial Park.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	90RL021	Latitude	49° 41' 39.33635" N	Ortho Height (H)	233.735 m
Datum	NAD83 (CSRS)	Longitude	97° 04' 17.82294" W	Ellip Height (h)	206.555 m
Geoid	HTv2	Easting	639071.722 m	Geoid Sep (N)	-27.180 m
UTM Zone	14 N	Northing	5506423.107 m	Marker Height	0.000 m

MARK DESCRIPTION

MGSP in concrete. Surveyed for project St Adolphe.

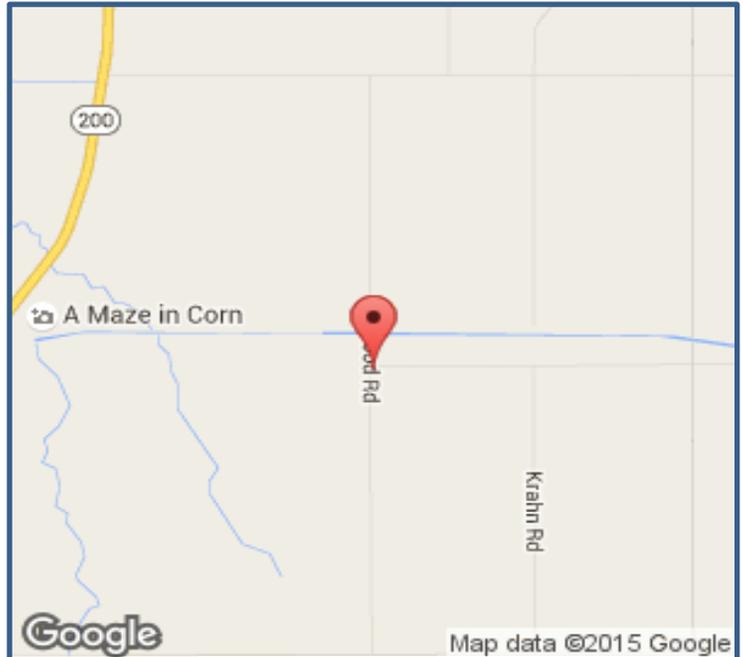
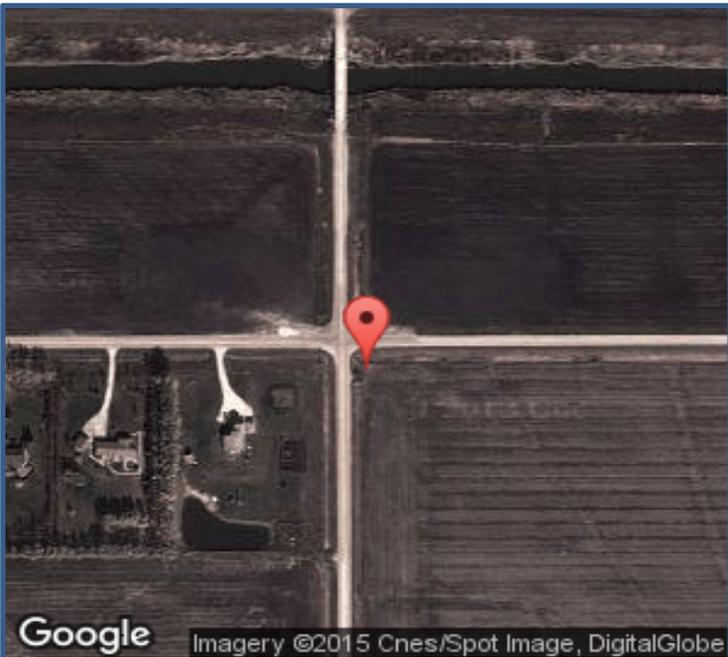
STATION PHOTOS



STATION ACCESS

From the intersection of PR200 (St. Mary's Rd) and PR 405 proceed East approximately 1.4 km to section Road (Sood Rd.) proceed South 1.6 km to Twin Creek Rd. Monument is in the southeast corner of the intersection. 18 m South of the centerline of the East-West road and 16 m East of centreline of North-South road. A.M.T.S. pedestal is found 1.6 m Northeast of monument. Monument is at ground level and a marker post was placed 0.3 m to the Northeast.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	90RL022	Latitude	49° 40' 46.10450" N	Ortho Height (H)	233.900 m
Datum	NAD83 (CSRS)	Longitude	97° 04' 17.57785" W	Ellip Height (h)	206.747 m
Geoid	HTv2	Easting	639118.840 m	Geoid Sep (N)	-27.153 m
UTM Zone	14 N	Northing	5504779.430 m	Marker Height	0.000 m

MARK DESCRIPTION

Brass Cap in Concrete Pillar. Surveyed for project St Adolphe.

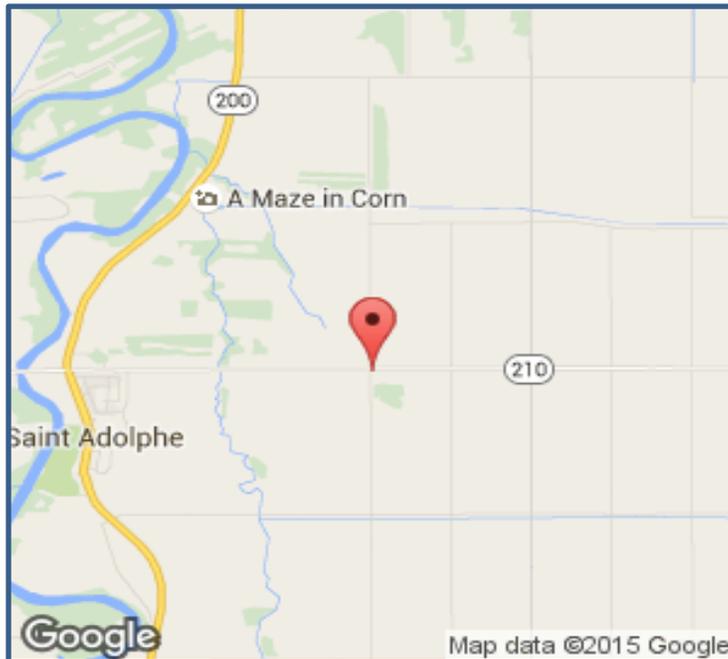
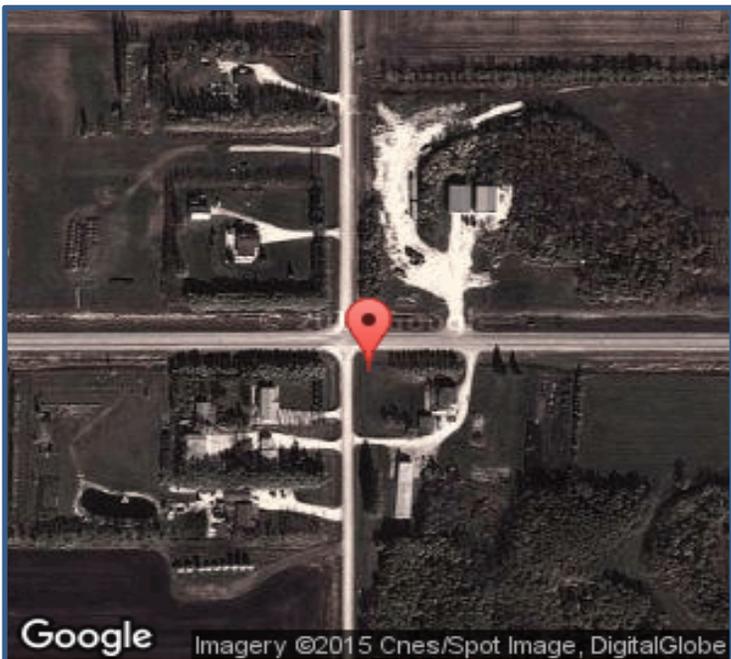
STATION PHOTOS



STATION ACCESS

The monument is located approximately 3.1 km East of the intersection of Route 200 and Route 210 in the town of Saint Adolphe. The point is approximately 14 m South of Route 210 and 10 m East of the Sood Road.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	90RL593	Latitude	49° 00' 54.77914" N	Ortho Height (H)	241.790 m
Datum	NAD83 (CSRS)	Longitude	97° 15' 30.12340" W	Ellip Height (h)	215.679 m
Geoid	HTv2	Easting	627345.862 m	Geoid Sep (N)	-26.111 m
UTM Zone	14 N	Northing	5430608.595 m	Marker Height	0.000 m

MARK DESCRIPTION

M.G.S.P. Surveyed for project Deloraine.

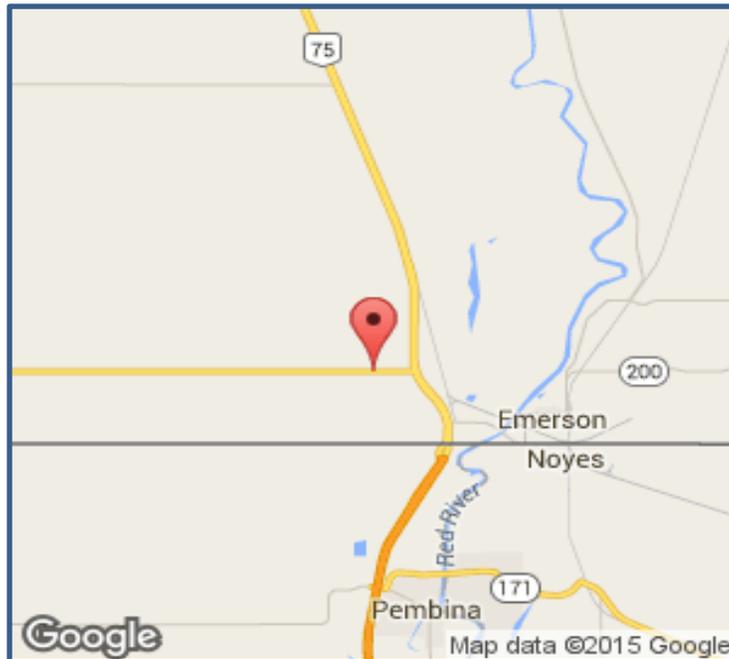
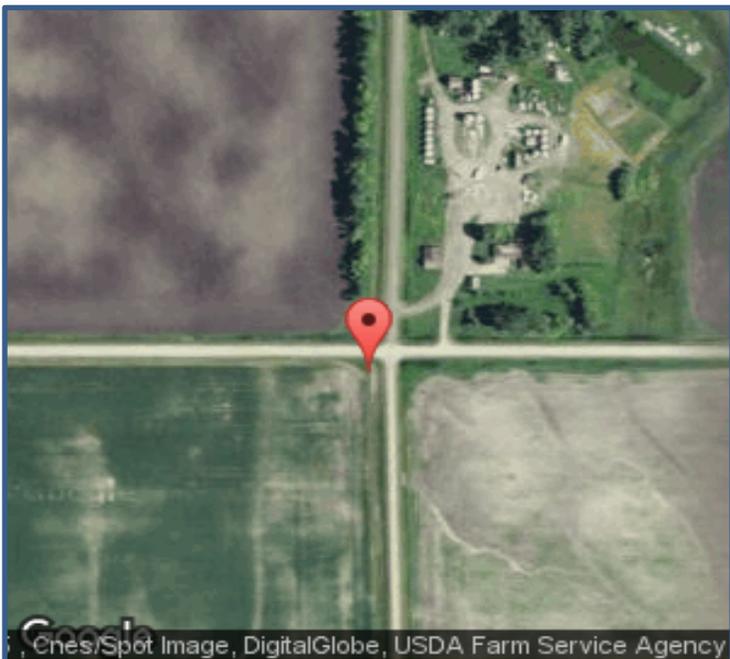
STATION PHOTOS



STATION ACCESS

Located approximately 3.5 kms West North West of Town of Emerson and marks the North East corner of Section 4 in Township 1 Range 2 East. From the intersection of Highway No. 75 and Road No. 5 leading South to Border Crossing, proceed North approximately 1.6 kms, then head West along gravel road for 0.8 km to the site. The monument is 14.8 m South of the East West Road and 14.8 m West of the centerline of the North-South road. The monument is at ground level and a marker post is 0.3 m to the North East.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	93M080	Latitude	49 40 08.72083 N	Ortho Height (H)	282.377 m
Datum	NAD83 (CSRS)	Longitude	98 08 30.20704 W	Ellip Height (h)	257.005 m
Geoid	HT2_0	Easting	561930.903 m	Geoid Sep (N)	-25.372 m
UTM Zone	14 N	Northing	5502193.192 m	Marker Height	0.000 m

MARK DESCRIPTION

Triangular Iron Post in Concrete. Surveyed for project CCW Extension Full.

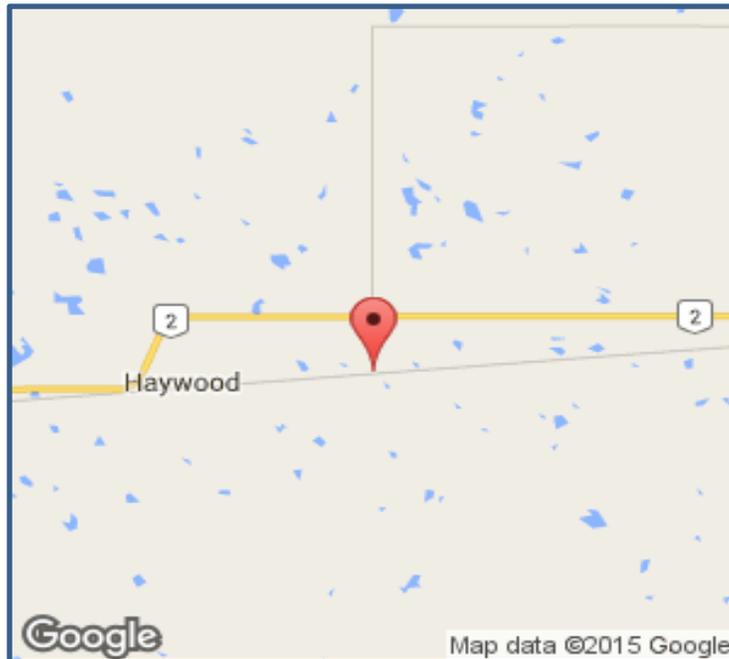
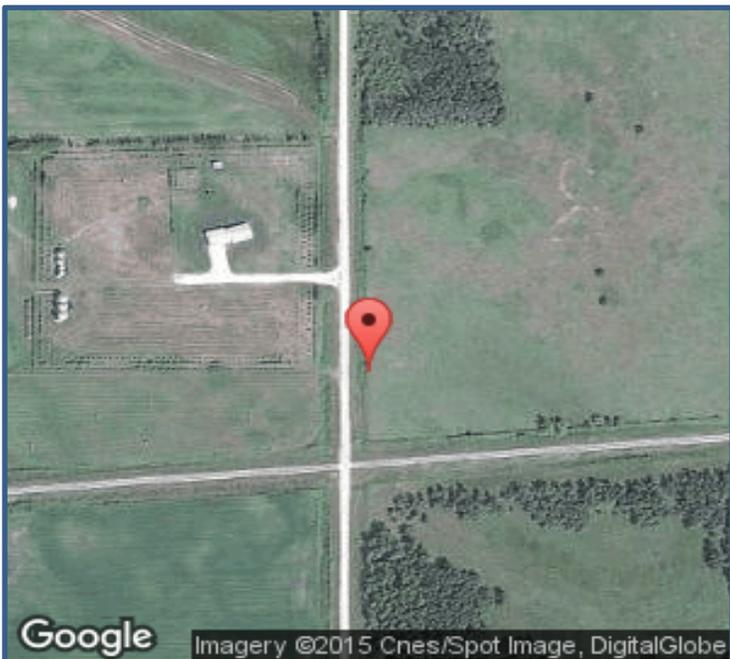
STATION PHOTOS



STATION ACCESS

Point is located on N side of rail tracks, 5.8km E and 1.2km S of junction of HWY2 with westerly access road to town, 67m from centre of tracks, 52m N and 1m W of fence corner, 14m E of CL of gravel road along E boundary.

STATION LOCATION MAPS



Fugro GeoServices Ltd.
Control Station Information Sheet

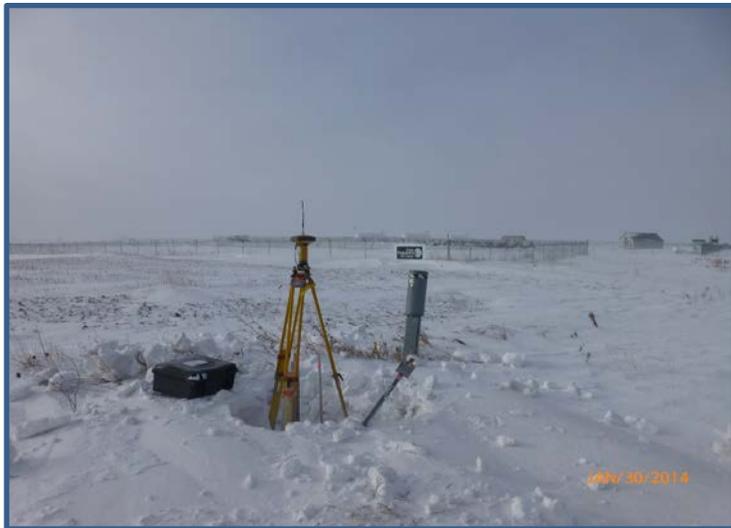


Station ID	93R138	Latitude	49 13 20.99318 N	Ortho Height (H)	497.824 m
Datum	NAD83 (CSRS)	Longitude	100 30 40.76465 W	Ellip Height (h)	476.394 m
Geoid	HT2_0	Easting	389953.073 m	Geoid Sep (N)	-21.430 m
UTM Zone	14 N	Northing	5453289.502 m	Marker Height	0.000 m

MARK DESCRIPTION

Triangular Iron Post in Concrete. Surveyed for project CCW Extension Full.

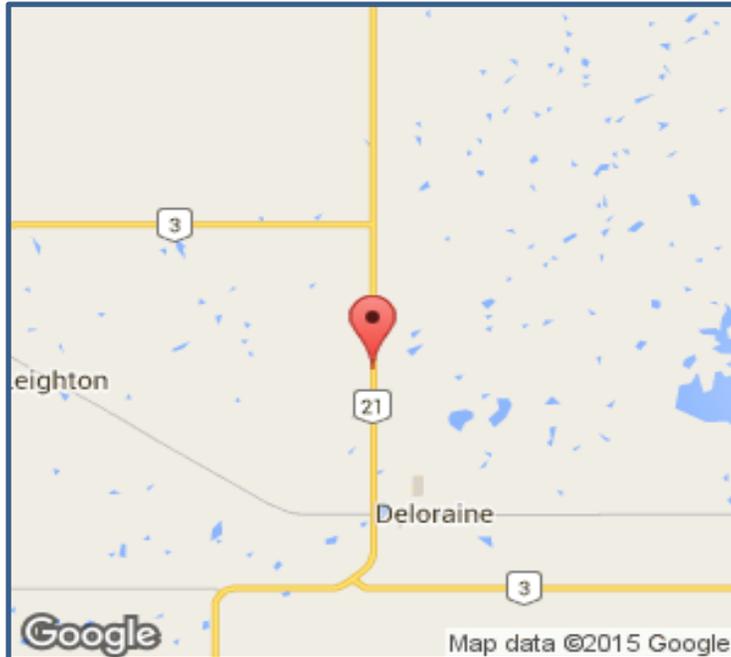
STATION PHOTOS



STATION ACCESS

The monument is located 3.5 kms North of Deloraine, MB on P.T.H. No. 21. The monument marks the Witness North East corner of section 16 Tp. 3 Rge. 23 W.

STATION LOCATION MAPS





Station ID	95R212	Latitude	49° 54' 29.14419" N	Ortho Height (H)	240.123 m
Datum	NAD83 (CSRS)	Longitude	97° 32' 04.41299" W	Ellip Height (h)	213.022 m
Geoid	HTv2	Easting	605222.011 m	Geoid Sep (N)	-27.101 m
UTM Zone	14 N	Northing	5529441.940 m	Marker Height	0.000 m

MARK DESCRIPTION

Concrete pillar with steel top plate . Surveyed for project Vermillion Dam.

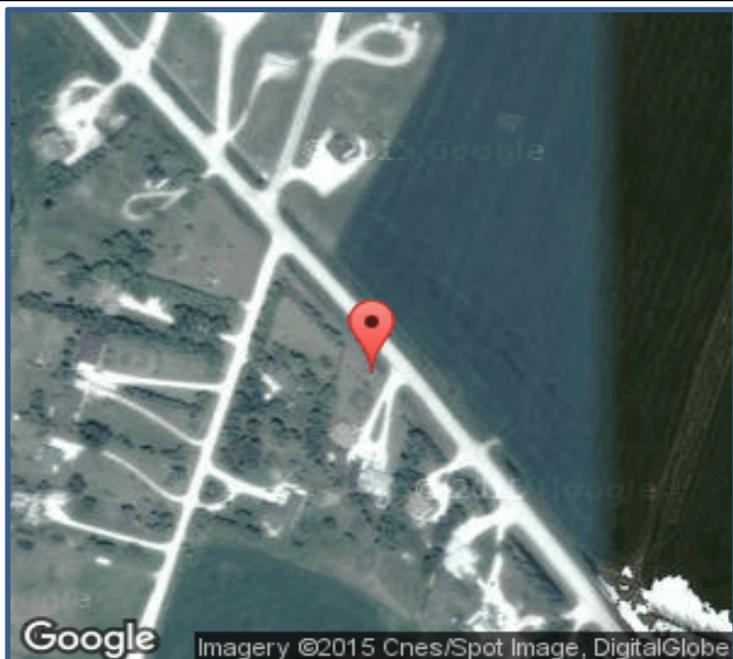
STATION PHOTOS



STATION ACCESS

Monument is located in the community of St. Francois Xavier on the South side of Highway No. 26 approximately 530 m East of Rosser Road. The monument is at ground level and a marker post is to the North East.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	95R214	Latitude	49° 55' 03.87331" N	Ortho Height (H)	241.379 m
Datum	NAD83 (CSRS)	Longitude	97° 33' 07.91112" W	Ellip Height (h)	214.299 m
Geoid	HTv2	Easting	603934.828 m	Geoid Sep (N)	-27.080 m
UTM Zone	14 N	Northing	5530489.846 m	Marker Height	0.000 m

MARK DESCRIPTION

Triangular Iron Post in Concrete. Surveyed for project CCW Extension Full.

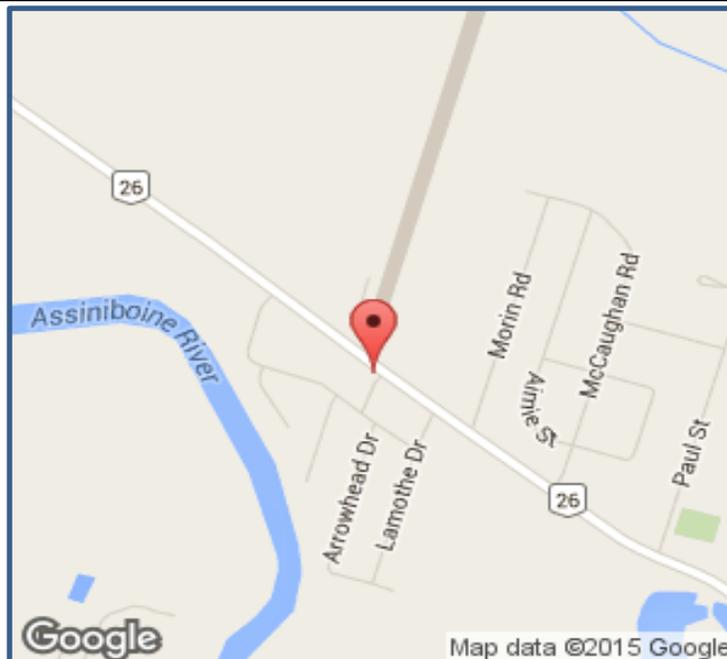
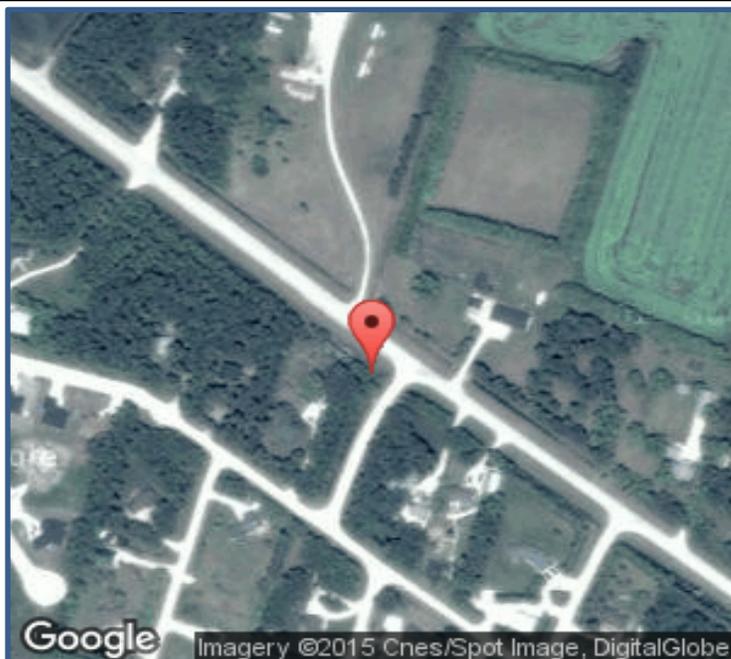
STATION PHOTOS



STATION ACCESS

The monument is located in the community of St. Francois Xavier on the South side of Highway No. 26 approximately 1.150 kms West of Rosser Road. The monument is approximately 23.4 m West of the Centreline of Crawford Crescent on the North side of some large oak trees. There is a marker post to the North East and the monument is at ground level.

STATION LOCATION MAPS





Station ID	95R501	Latitude	51° 04' 51.75947" N	Ortho Height (H)	302.150 m
Datum	NAD83 (CSRS)	Longitude	99° 59' 49.64037" W	Ellip Height (h)	275.384 m
Geoid	HTv2	Easting	430155.027 m	Geoid Sep (N)	-26.766 m
UTM Zone	14 N	Northing	5659310.263 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Vermillion Dam.

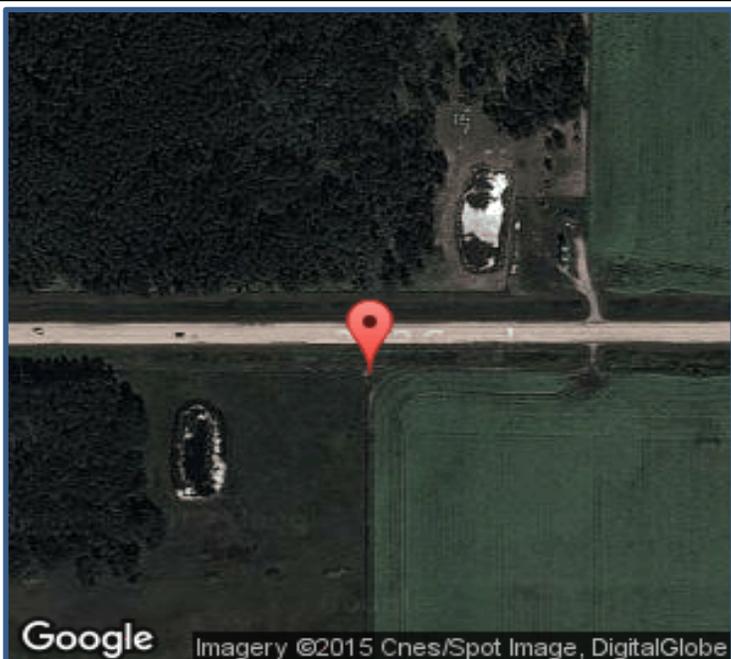
STATION PHOTOS



STATION ACCESS

Concrete pillar with steel top plate on south side of highway no. 5, 13.0 km south of post office, 4.7 km east of junction with highway no. 10, in northeast quarter of section 13-24-19 wpm, 296 m west of centre of secondary road, 142 m west of projection of centre of approach to field on south side of highway, 28.7 m from centre line of highway, 80 cm west and 60 cm south of braced corner fence post, at highway level. Established by manitoba surveys and mapping branch. Elevation taken on top at centre of main circular steel plate anchored on top of pillar.

STATION LOCTION MAPS





Station ID	501	Latitude	51° 04' 13.09271" N	Ortho Height (H)	367.771 m
Datum	NAD83 (CSRS)	Longitude	100° 12' 13.56066" W	Ellip Height (h)	341.443 m
Geoid	HTv2	Easting	415661.176 m	Geoid Sep (N)	-26.328 m
UTM Zone	14 N	Northing	5658332.209 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Vermillion Dam.

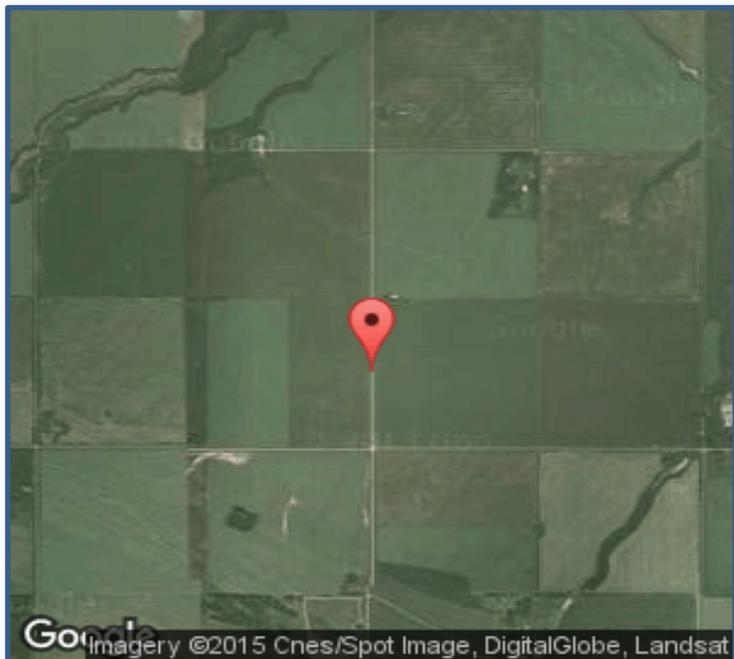
STATION PHOTOS



STATION ACCESS

The point is located in the center of a field entrance on the West side of provisional Highway 274 approximately 9.4 km South of the intersection of Provisional Hwy 274 and Hwy 5.

STATION LOCATION MAPS





Station ID	502	Latitude	51° 02' 14.94732" N	Ortho Height (H)	358.828 m
Datum	NAD83 (CSRS)	Longitude	100° 04' 31.22787" W	Ellip Height (h)	332.439 m
Geoid	HTv2	Easting	424605.487 m	Geoid Sep (N)	-26.389 m
UTM Zone	14 N	Northing	5654543.577 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Vermillion Dam.

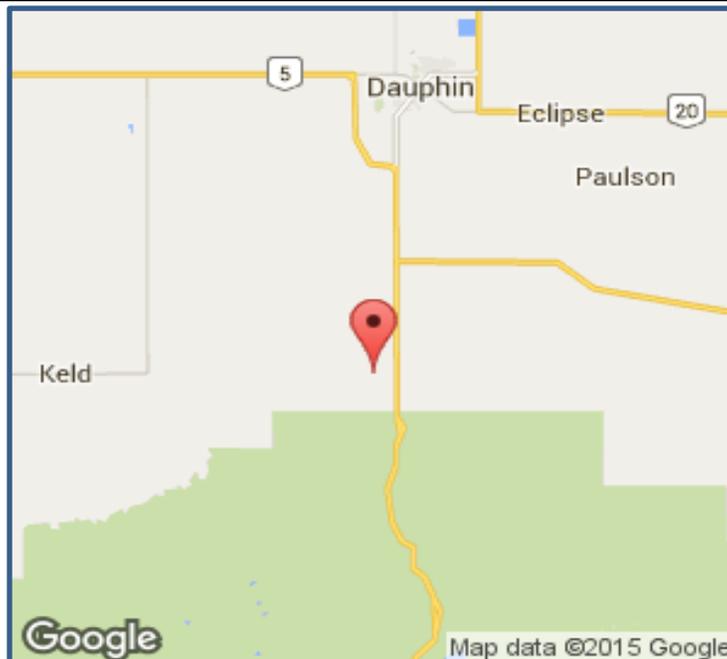
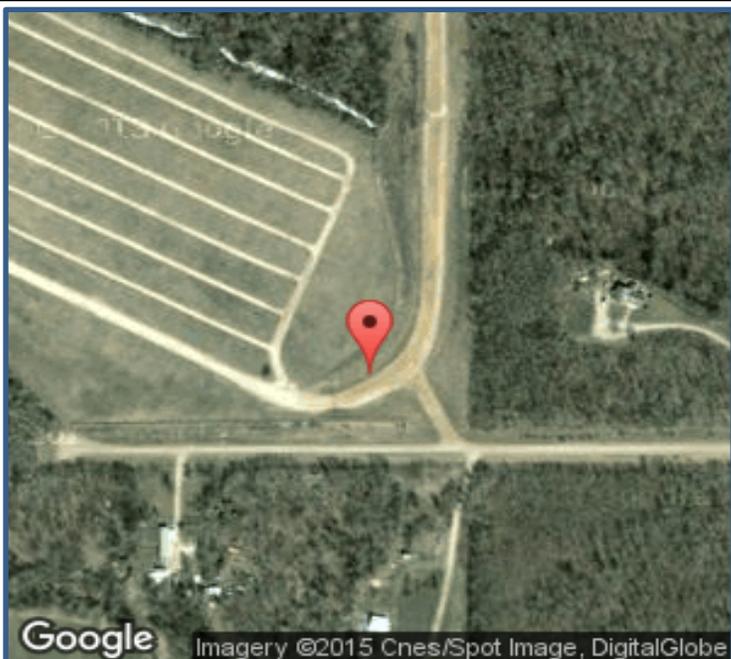
STATION PHOTOS



STATION ACCESS

The point is located approximately 0.83 km West of the intersection of Hwy 10 and Rd 138 N. The point is located in the entrance of Selo Ukraina Amphitheatre approximately 80 m North of Rd 138 N.

STATION LOCATION MAPS



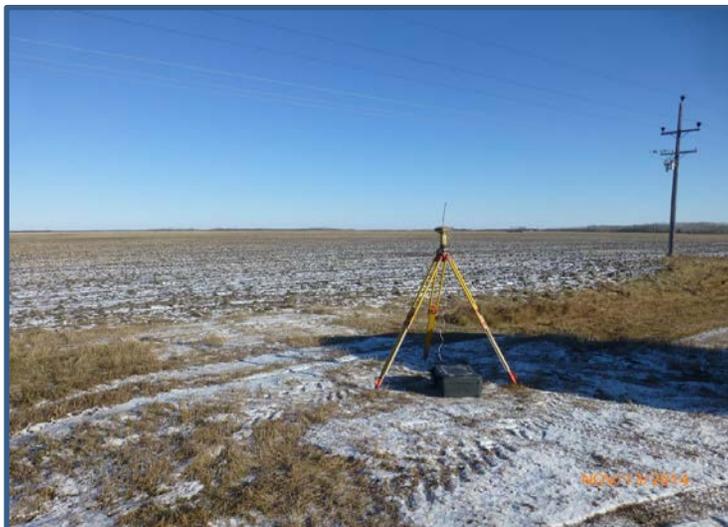


Station ID	503	Latitude	51° 08' 25.43419" N	Ortho Height (H)	279.649 m
Datum	NAD83 (CSRS)	Longitude	99° 57' 14.58492" W	Ellip Height (h)	252.530 m
Geoid	HTv2	Easting	433257.492 m	Geoid Sep (N)	-27.119 m
UTM Zone	14 N	Northing	5665870.623 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Vermillion Dam.

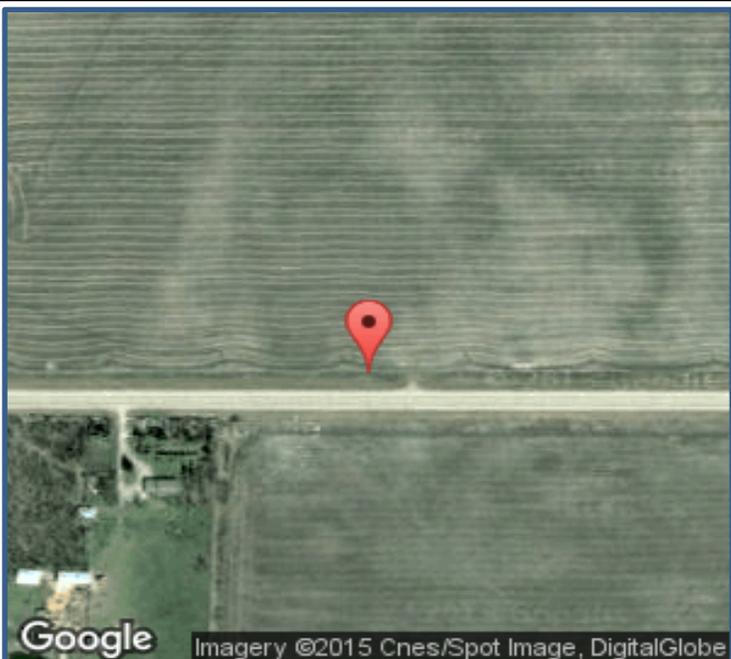
STATION PHOTOS



STATION ACCESS

The point is located in the center of a field entrance on the North side of Hwy 20 approximately 1.1 km East of the intersection of Hwy 20 and Road 107 West near the town of Eclipse.

STATION LOCATION MAPS





Station ID	504	Latitude	51° 13' 45.10793" N	Ortho Height (H)	283.605 m
Datum	NAD83 (CSRS)	Longitude	100° 03' 07.48008" W	Ellip Height (h)	256.333 m
Geoid	HTv2	Easting	426541.315 m	Geoid Sep (N)	-27.272 m
UTM Zone	14 N	Northing	5675838.777 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Vermillion Dam.

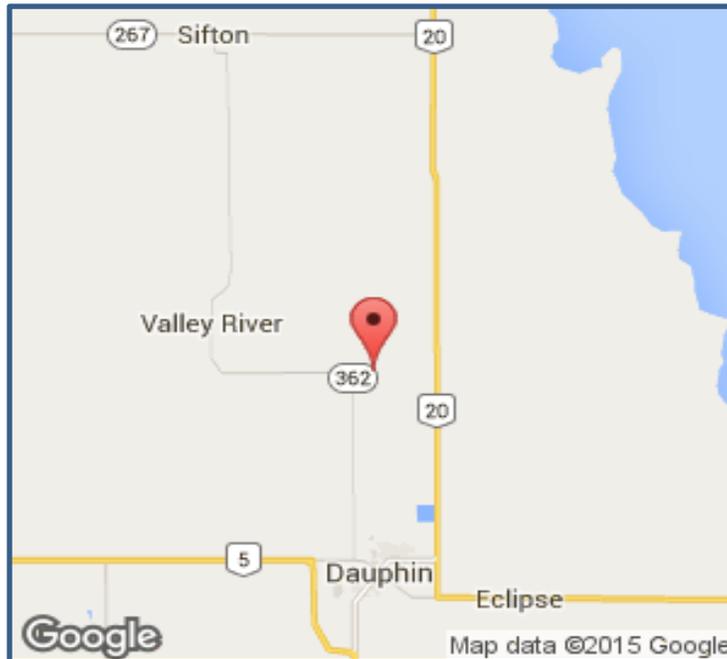
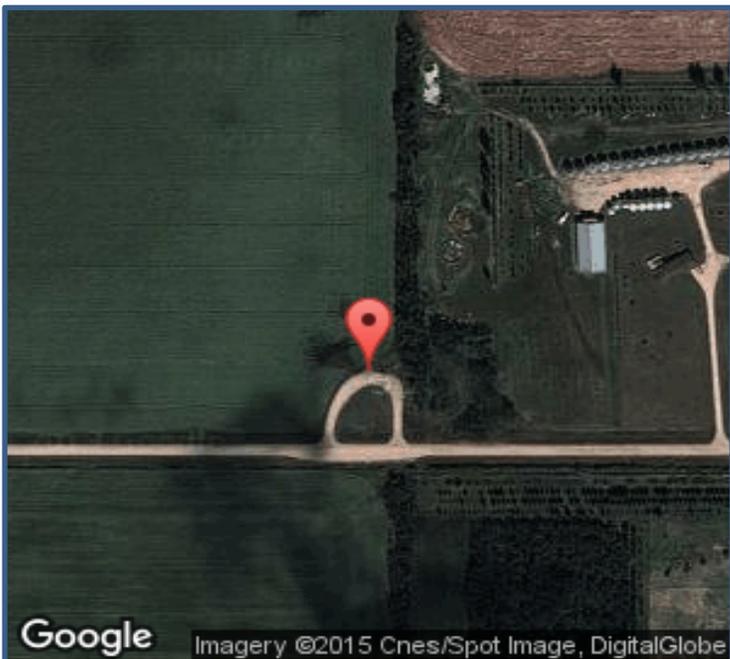
STATION PHOTOS



STATION ACCESS

The point is located on the edge of a circular turn around area approximately 1.6 km North and 0.85 km West of the intersection of Hwy 20 and Road 150 North.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	506	Latitude	49° 41' 41.18934" N	Ortho Height (H)	391.905 m
Datum	NAD83 (CSRS)	Longitude	99° 46' 26.73901" W	Ellip Height (h)	369.102 m
Geoid	HTv2	Easting	444172.777 m	Geoid Sep (N)	-22.803 m
UTM Zone	14 N	Northing	5504982.878 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

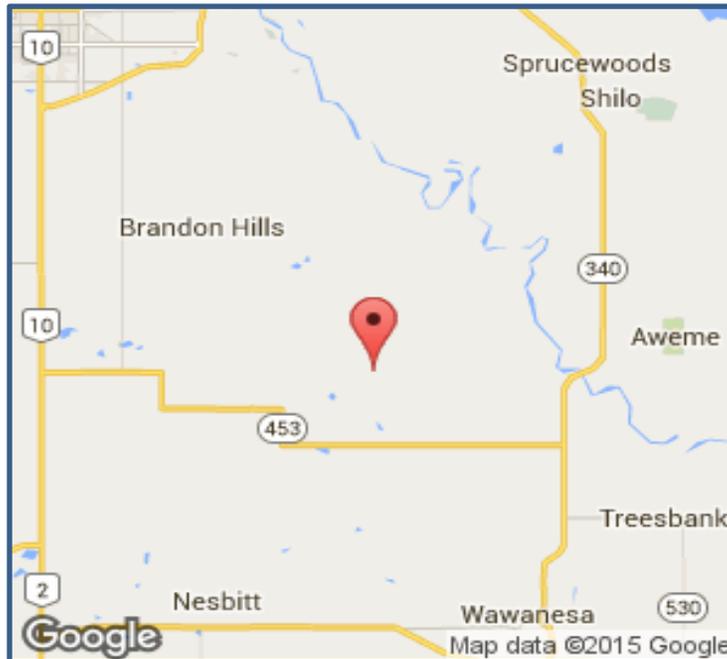
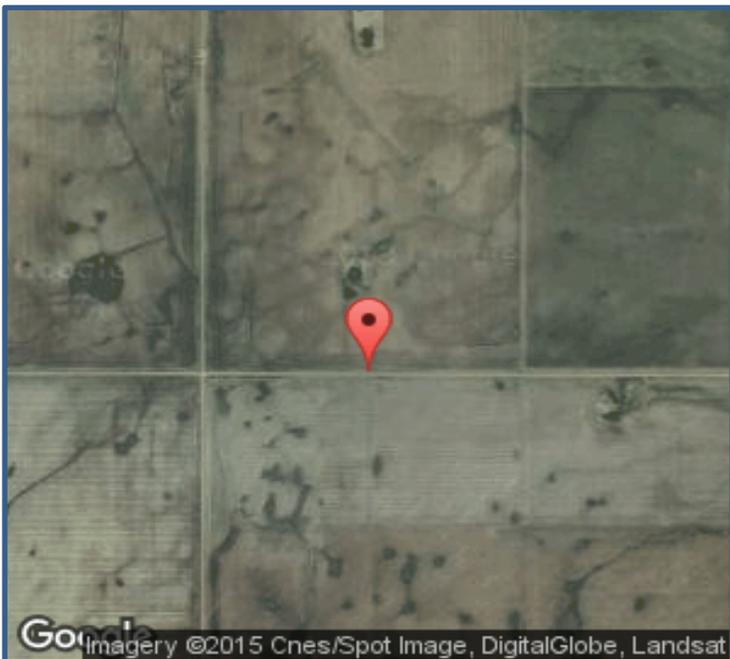
STATION PHOTOS



STATION ACCESS

The point is located approximately 3.29 km North of the intersection Rounthwaite Road and Provisional Highway 453 and 2.1 km East of Rounthwaite Road. The point is located in the center of a field entrance on the north edge of the E-W road.

STATION LOCATION MAPS





Station ID	507	Latitude	49° 43' 25.68764" N	Ortho Height (H)	366.767 m
Datum	NAD83 (CSRS)	Longitude	99° 37' 14.66295" W	Ellip Height (h)	343.694 m
Geoid	HTv2	Easting	455259.203 m	Geoid Sep (N)	-23.073 m
UTM Zone	14 N	Northing	5508107.405 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

STATION PHOTOS



STATION ACCESS

From the intersection of Magazine Road and Provisional Highway 340 on the Southwest side of Shilo, proceed 8.25 km South on Provision Highway 340 to the intersection of East-West dirt road. Proceed 1.6 km East on dirt road to intersection of North-South gravel road. Point is located approximately 50 m South of East-West gravel Road and 5 m East of edge of North-South gravel road.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	508	Latitude	49° 35' 29.62677" N	Ortho Height (H)	373.629 m
Datum	NAD83 (CSRS)	Longitude	99° 36' 56.80373" W	Ellip Height (h)	351.023 m
Geoid	HTv2	Easting	455496.329 m	Geoid Sep (N)	-22.606 m
UTM Zone	14 N	Northing	5493402.519 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

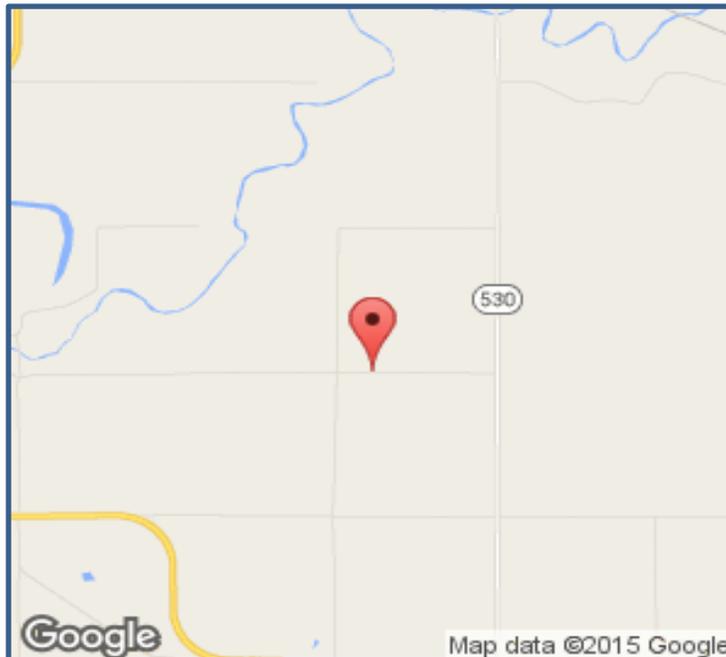
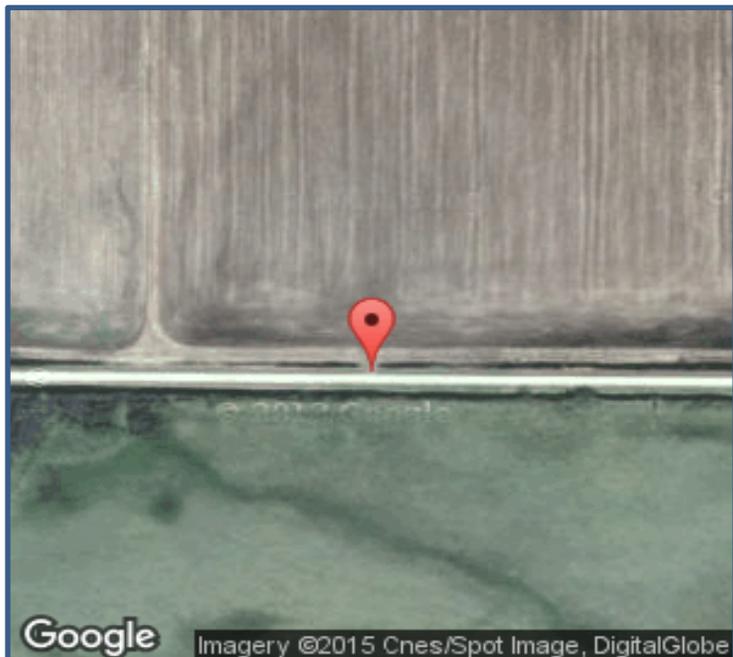
STATION PHOTOS



STATION ACCESS

From the intersection of Hwy 2 and Provisional Highway 530, proceed North 3.28 km to gravel road heading West. The point is located in a field entrance to the north 1.2 km west of intersection of Provisional Highway 530 and gravel road.

STATION LOCATION MAPS





Station ID	509	Latitude	49° 40' 41.43104" N	Ortho Height (H)	356.963 m
Datum	NAD83 (CSRS)	Longitude	99° 13' 40.79775" W	Ellip Height (h)	333.509 m
Geoid	HTv2	Easting	483551.143 m	Geoid Sep (N)	-23.454 m
UTM Zone	14 N	Northing	5502874.711 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

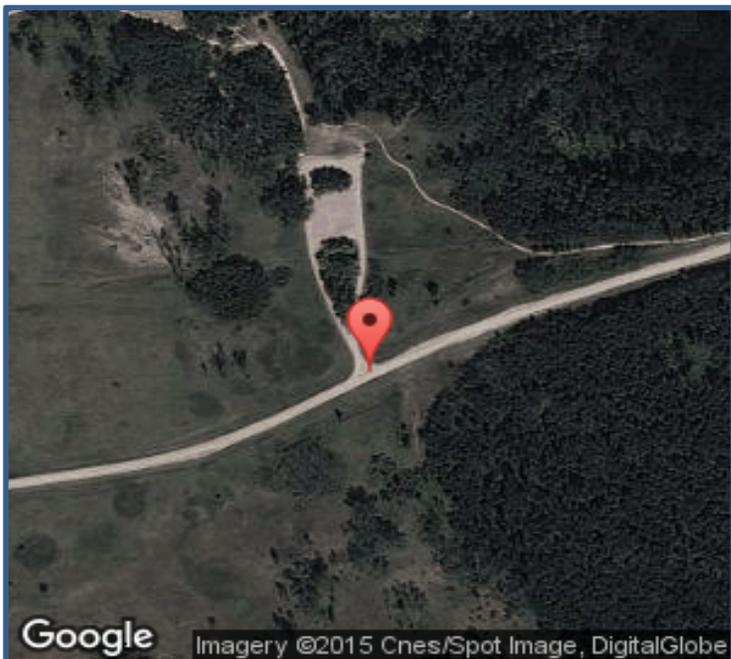
STATION PHOTOS



STATION ACCESS

From the intersection of Hwy 2 and Hwy 5 near the town of Glenboro, proceed North 11 km to gravel road to the east.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	510	Latitude	49° 34' 36.01498" N	Ortho Height (H)	376.169 m
Datum	NAD83 (CSRS)	Longitude	99° 13' 39.46486" W	Ellip Height (h)	353.038 m
Geoid	HTv2	Easting	483543.698 m	Geoid Sep (N)	-23.131 m
UTM Zone	14 N	Northing	5491589.644 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

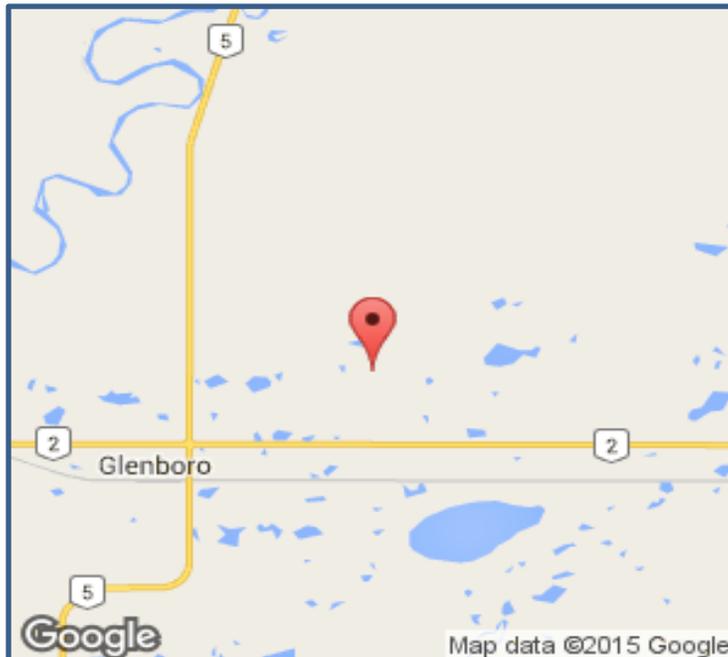
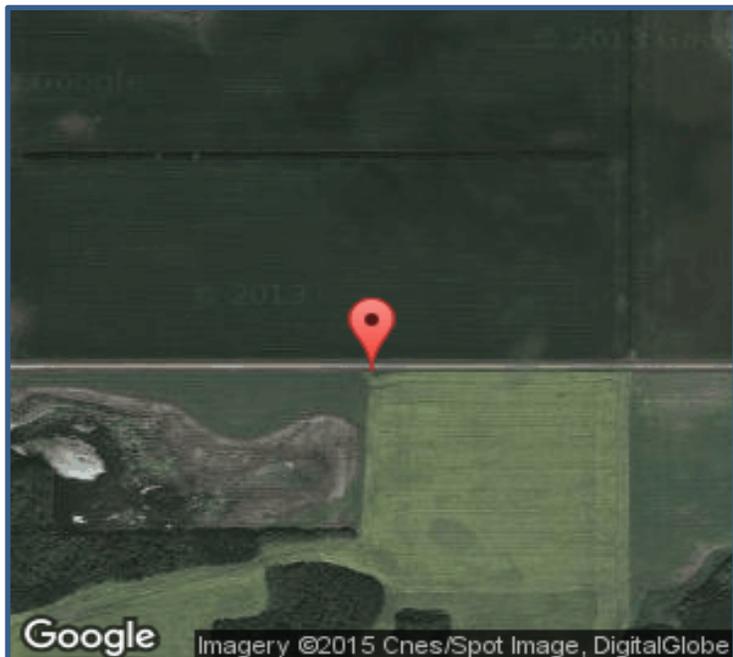
STATION PHOTOS



STATION ACCESS

From the intersection of Hwy 2 and Hwy 5 near the town of Glenboro, proceed North 1.6 km and 3.0 km east on gravel road. Point is located in field entrance on south edge of gravel road.

STATION LOCATION MAPS





Station ID	512	Latitude	49° 38' 09.79844" N	Ortho Height (H)	365.485 m
Datum	NAD83 (CSRS)	Longitude	98° 56' 17.82662" W	Ellip Height (h)	341.673 m
Geoid	HTv2	Easting	504456.220 m	Geoid Sep (N)	-23.812 m
UTM Zone	14 N	Northing	5498168.753 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

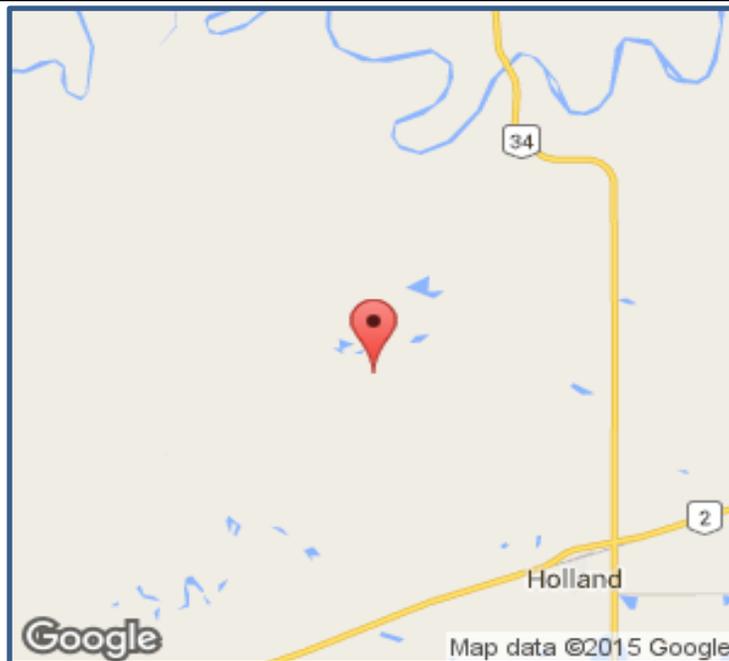
STATION PHOTOS



STATION ACCESS

The point is located near the intersection of two gravel roads approximately 3.7 km North and 4.9 km West of the intersection of Hwy 2 and Hwy 34 near the town of Holland. The point is located in a field entrance 42 m North and 6 m West of the intersection of two gravel roads.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	513	Latitude	49° 34' 34.88372" N	Ortho Height (H)	382.557 m
Datum	NAD83 (CSRS)	Longitude	98° 56' 17.34480" W	Ellip Height (h)	358.901 m
Geoid	HTv2	Easting	504471.340 m	Geoid Sep (N)	-23.656 m
UTM Zone	14 N	Northing	5491531.659 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

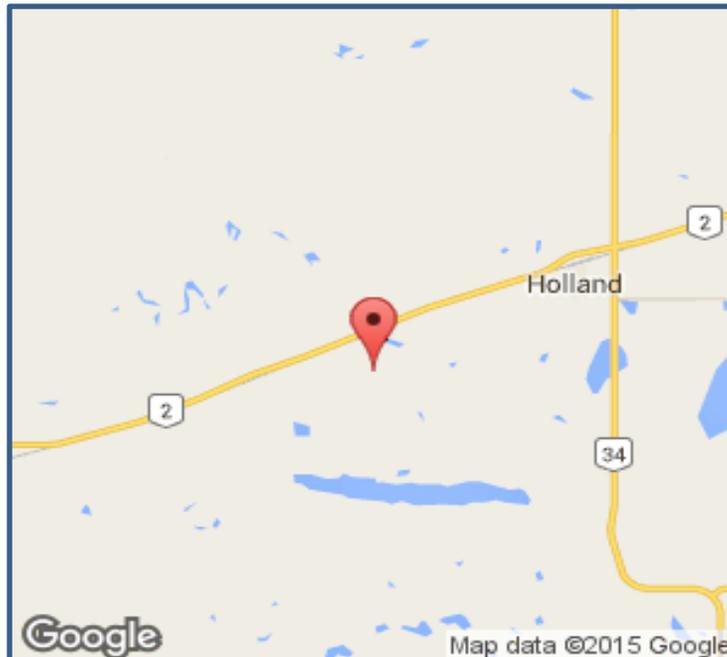
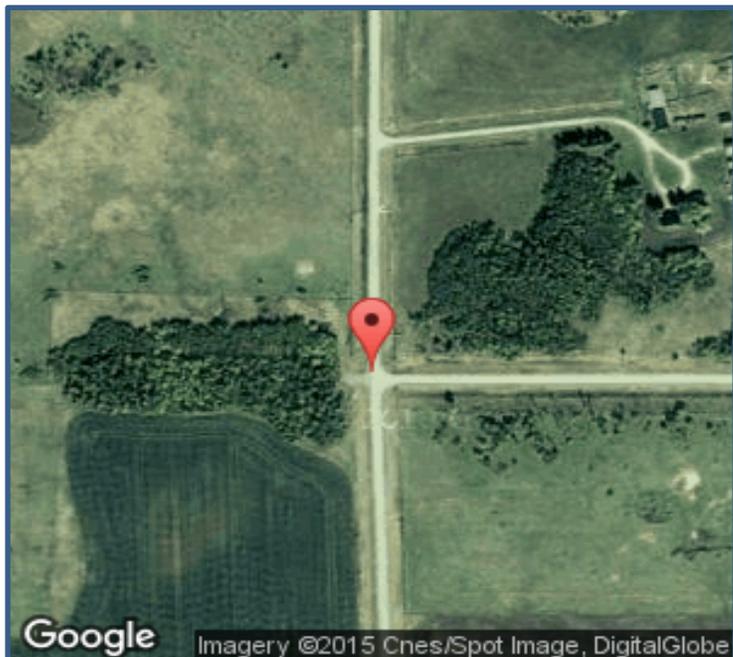
STATION PHOTOS



STATION ACCESS

The point is located near the intersection of two gravel roads approximately 5.3 km West and X km South of the intersection of Hwy 2 and Hwy 34 near the town of Holland. The point is on the edge of the North-South gravel road near the intersection with gravel road to the East.

STATION LOCATION MAPS





Station ID	514	Latitude	49° 39' 03.00837" N	Ortho Height (H)	319.964 m
Datum	NAD83 (CSRS)	Longitude	98° 30' 39.70367" W	Ellip Height (h)	295.357 m
Geoid	HTv2	Easting	535296.208 m	Geoid Sep (N)	-24.607 m
UTM Zone	14 N	Northing	5499924.975 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

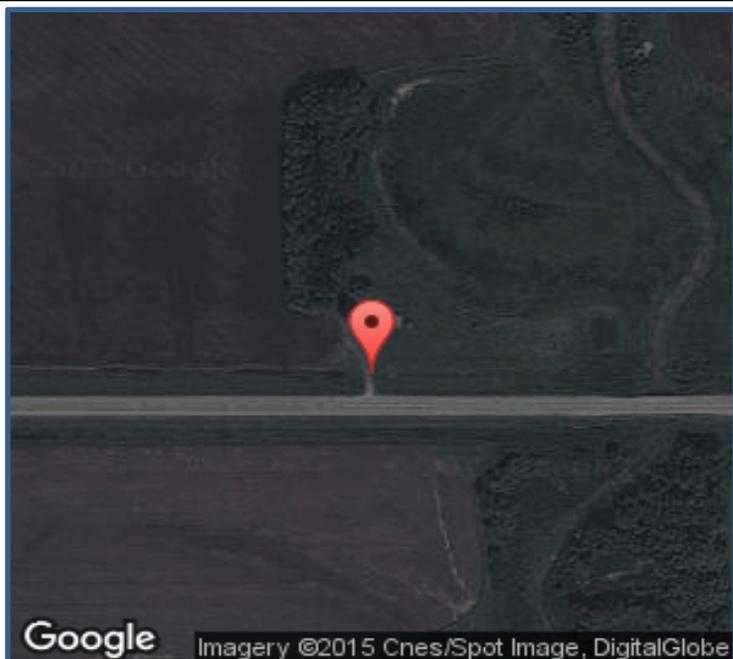
STATION PHOTOS



STATION ACCESS

The point is located in the field entrance on the North side of Hwy 2 approximately 2.9 km East of the intersection of Hwy 2 and Provisional Highway 244 near the town of Rathwell.

STATION LOCATION MAPS





Station ID	515	Latitude	49° 44' 19.62746" N	Ortho Height (H)	322.279 m
Datum	NAD83 (CSRS)	Longitude	98° 30' 48.52507" W	Ellip Height (h)	297.538 m
Geoid	HTv2	Easting	535056.007 m	Geoid Sep (N)	-24.741 m
UTM Zone	14 N	Northing	5509701.908 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

STATION PHOTOS



STATION ACCESS

The point is located approximately 9.7 km North and 5.5 km West of the intersection of Hwy 2 and Provisional Highway 305. The point is located in a field entrance on the south side of the East-West gravel road.

STATION LOCATION MAPS





Station ID	516	Latitude	49° 57' 17.27523" N	Ortho Height (H)	280.226 m
Datum	NAD83 (CSRS)	Longitude	98° 30' 51.40297" W	Ellip Height (h)	255.026 m
Geoid	HTv2	Easting	534842.787 m	Geoid Sep (N)	-25.200 m
UTM Zone	14 N	Northing	5533718.096 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

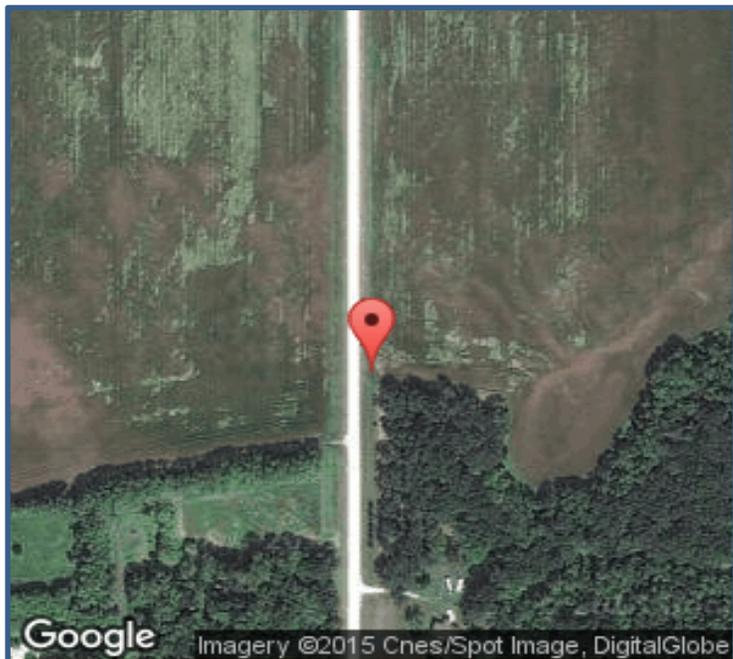
STATION PHOTOS



STATION ACCESS

The point is located on the east side of a gravel road that is approximately 3.3 km West and 2.2 km South of the intersection of Hwy 1 and Provisional Highway 305.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	517	Latitude	49° 45' 14.32866" N	Ortho Height (H)	302.758 m
Datum	NAD83 (CSRS)	Longitude	98° 22' 28.21285" W	Ellip Height (h)	277.738 m
Geoid	HTv2	Easting	545055.690 m	Geoid Sep (N)	-25.020 m
UTM Zone	14 N	Northing	5511465.400 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

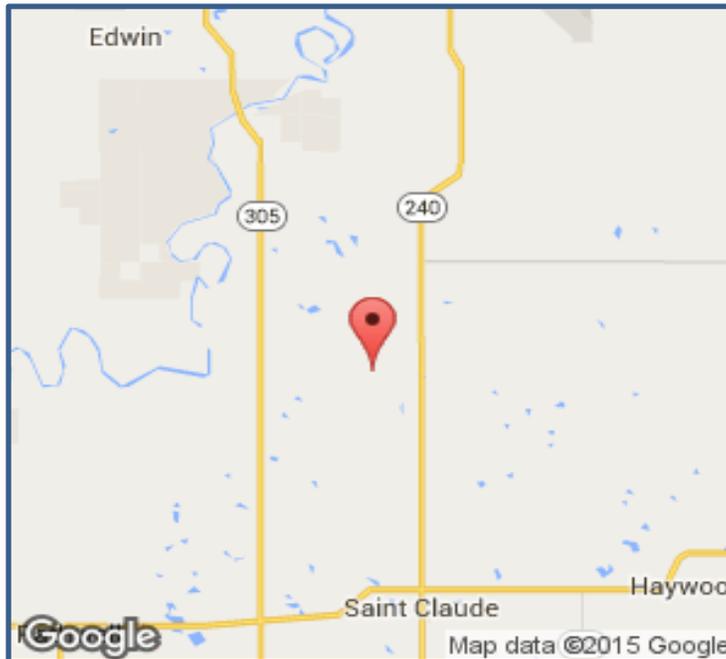
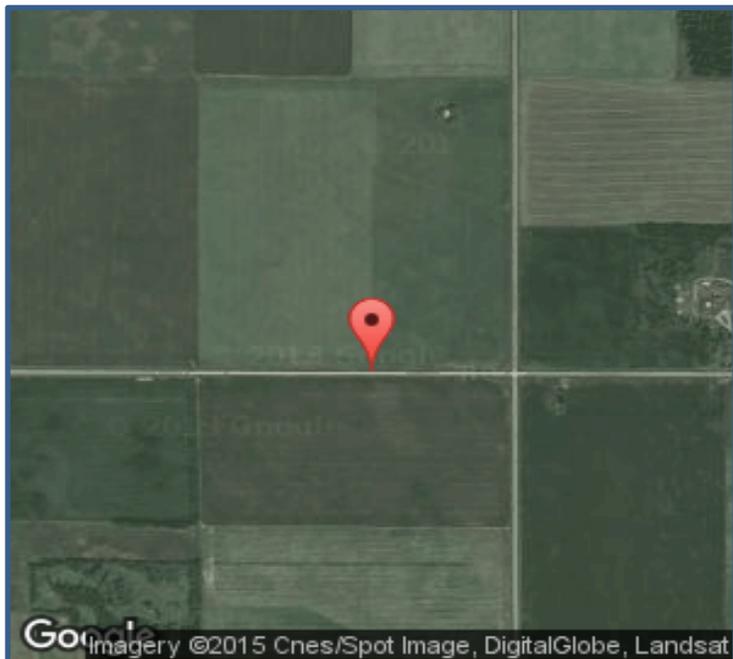
STATION PHOTOS



STATION ACCESS

The point is located on edge of gravel road approximately 9.9 km North and 2 km West of the intersection of Hwy 2 and Provisional Highway 240 near the town of Saint Claude.

STATION LOCATION MAPS



Fugro GeoServices Ltd.
Control Station Information Sheet



Station ID	518	Latitude	49° 53' 12.67479" N	Ortho Height (H)	290.161 m
Datum	NAD83 (CSRS)	Longitude	98° 22' 10.82806" W	Ellip Height (h)	264.868 m
Geoid	HTv2	Easting	545279.363 m	Geoid Sep (N)	-25.293 m
UTM Zone	14 N	Northing	5526241.231 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

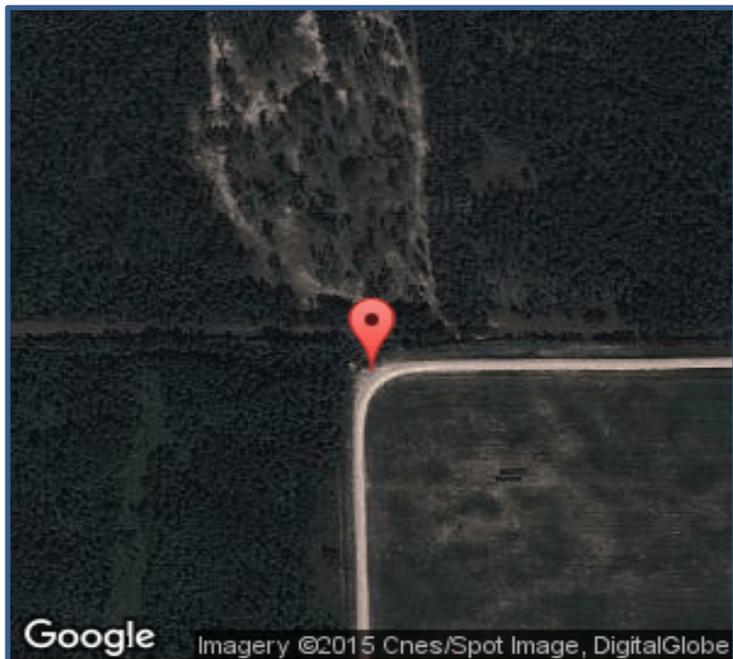
STATION PHOTOS



STATION ACCESS

The point is located on the curve of 60 Rd N approximately 2.8 km West of the intersection of Provisional Hwy 240 and 60 Rd N.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	519	Latitude	49° 57' 12.38578" N	Ortho Height (H)	266.200 m
Datum	NAD83 (CSRS)	Longitude	98° 22' 36.40740" W	Ellip Height (h)	240.756 m
Geoid	HTv2	Easting	544707.336 m	Geoid Sep (N)	-25.444 m
UTM Zone	14 N	Northing	5533640.163 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

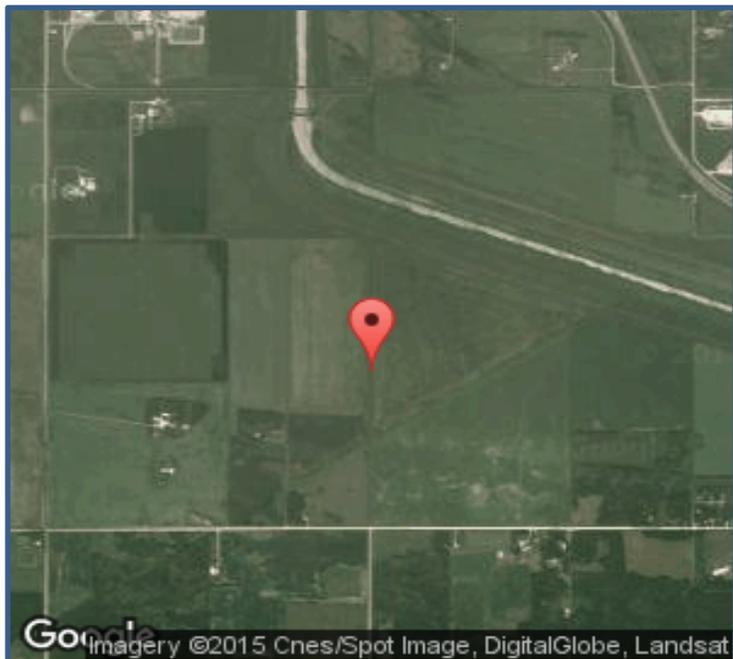
STATION PHOTOS



STATION ACCESS

From the intersection of Hwy 1 and Provisional Highway 305 proceed 3.3 km South to the intersection of Provisional Highway 305 and East-West gravel road. Then proceed 6.6 km East along gravel road to the intersection with dirt road to the north. Proceed on dirt road 0.87 km North. point is located on the edge of the dirt road near field entrance.

STATION LOCATION MAPS



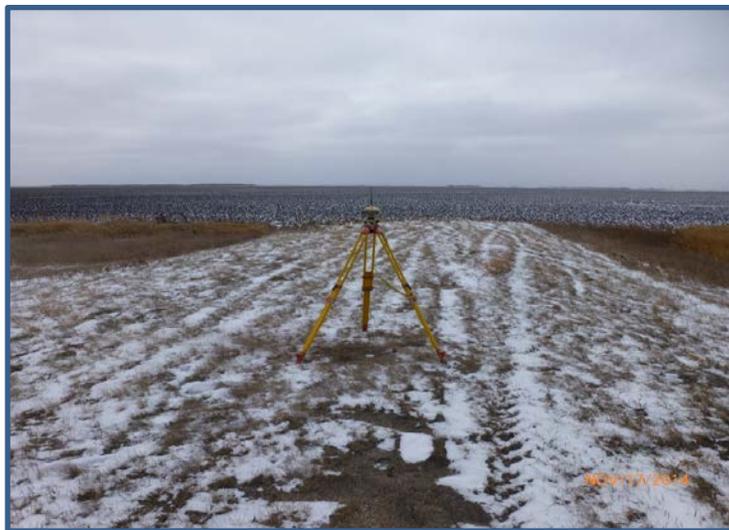


Station ID	520	Latitude	50° 06' 25.35470" N	Ortho Height (H)	253.878 m
Datum	NAD83 (CSRS)	Longitude	98° 32' 36.09737" W	Ellip Height (h)	228.323 m
Geoid	HTv2	Easting	532653.245 m	Geoid Sep (N)	-25.555 m
UTM Zone	14 N	Northing	5550632.177 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

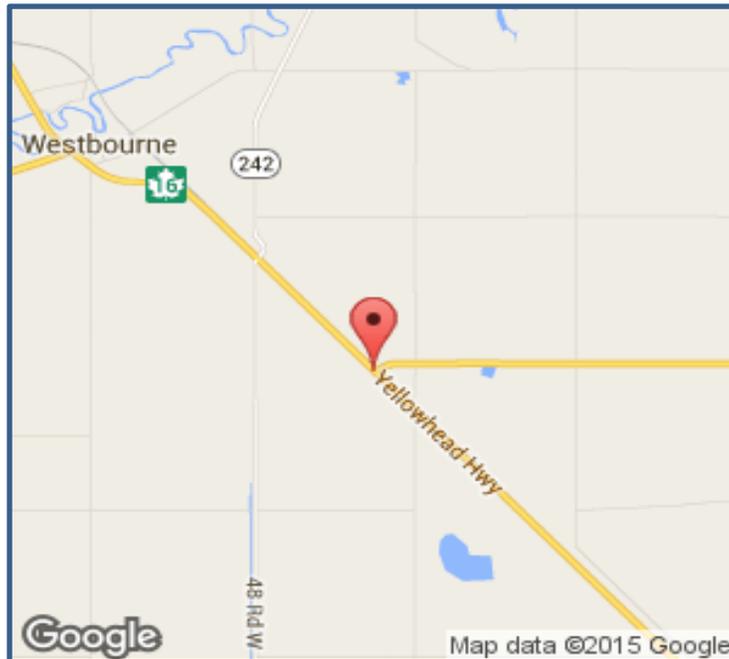
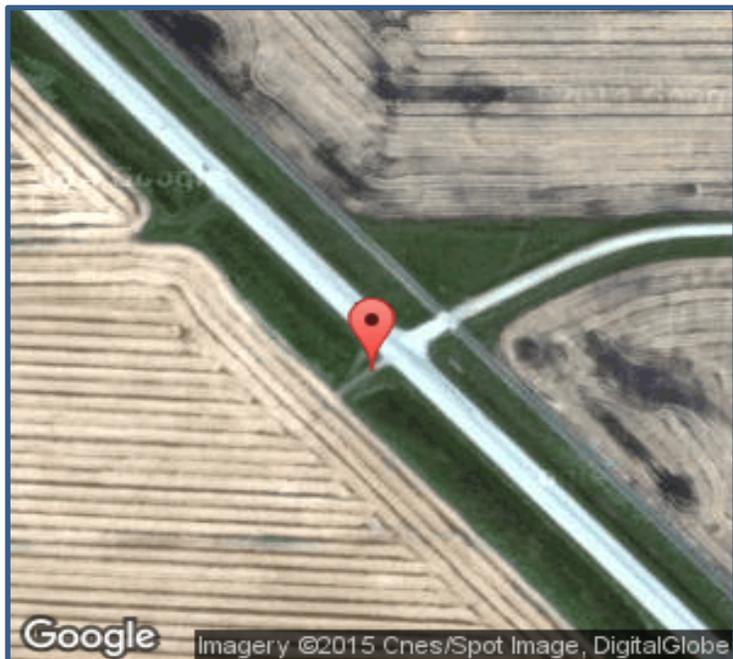
STATION PHOTOS



STATION ACCESS

The point is located in the center of a field entrance adjacent to the intersection of Hwy 16 (Yellowhead Hwy) and Provisional Route 227.

STATION LOCATION MAPS





Station ID	521	Latitude	50° 04' 15.77479" N	Ortho Height (H)	253.609 m
Datum	NAD83 (CSRS)	Longitude	98° 28' 06.52837" W	Ellip Height (h)	228.022 m
Geoid	HTv2	Easting	538036.214 m	Geoid Sep (N)	-25.587 m
UTM Zone	14 N	Northing	5546665.548 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with Fugro Cap. Surveyed for project Assiniboine River Brandon to Portage.

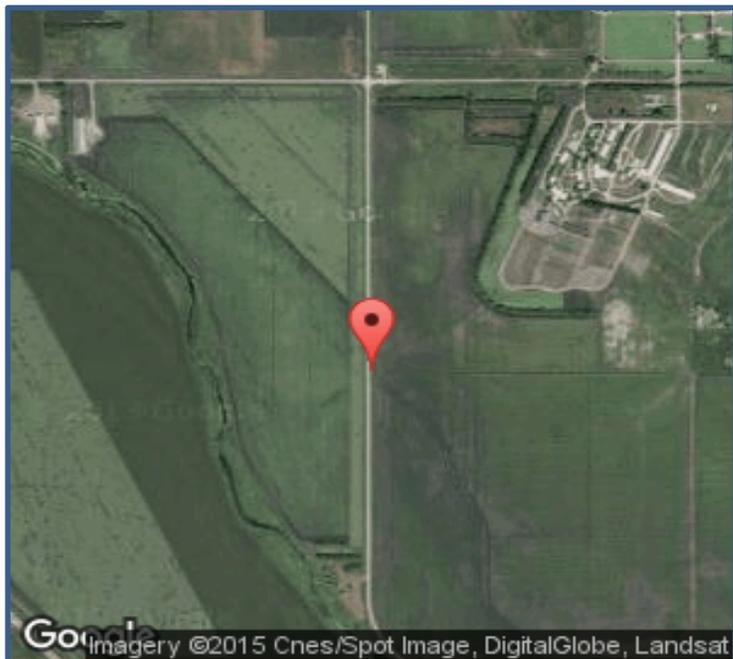
STATION PHOTOS



STATION ACCESS

The point is in the center of a field entrance on the East side of Centre Street approximately 0.87 km East and 0.87 km North of the intersection of Hwy 16 (Yellowhead Hwy) and 72 Rd N.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	301	Latitude	49 48 46.36460 N	Ortho Height (H)	367.527 m
Datum	NAD83 (CSRS)	Longitude	99 46 46.68218 W	Ellip Height (h)	344.311 m
Geoid	HT2_0	Easting	443909.640 m	Geoid Sep (N)	-23.216 m
UTM Zone	14 N	Northing	5518117.618 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

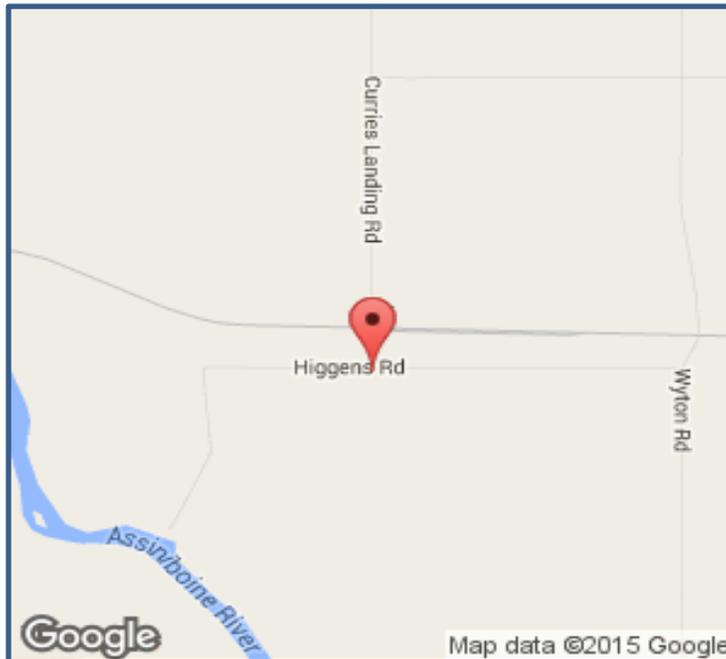
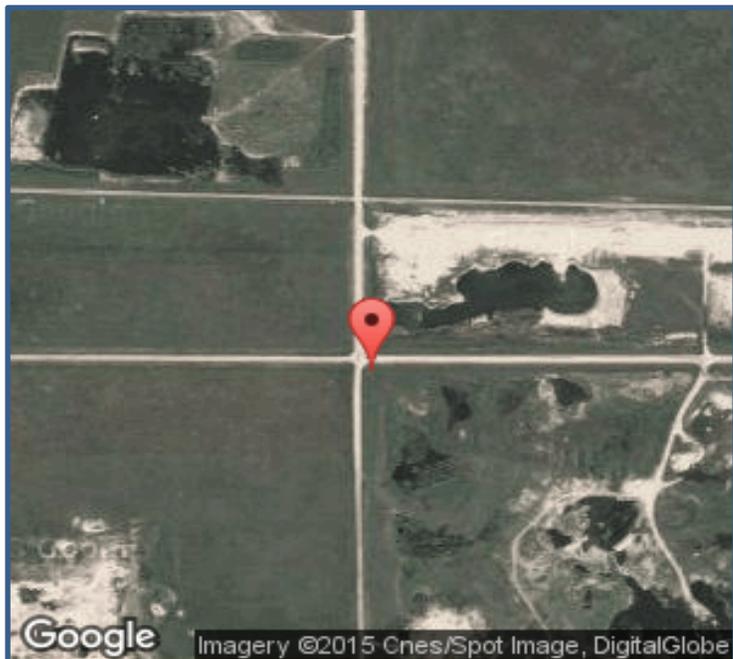
STATION PHOTOS



STATION ACCESS

From the intersection of PR 340 and PR 457 travel West 4.86km on PR 457 to Curries Landing Road. Travel South on Curries landing Road 4.9km to the intersection of Curries Landing Road and Higgins Road. The monument is located in the South East corner of this intersection approx. 1.67m West of the Fence line along the East limit of the Road along the line of the fence on the South limit of Higgins Road.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	302	Latitude	49 57 40.57998 N	Ortho Height (H)	295.530 m
Datum	NAD83 (CSRS)	Longitude	98 49 38.77934 W	Ellip Height (h)	270.802 m
Geoid	HT2_0	Easting	512376.892 m	Geoid Sep (N)	-24.728 m
UTM Zone	14 N	Northing	5534339.055 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

STATION PHOTOS



STATION ACCESS

From the intersection of The TransCanada Highway and Road 59W Travel 1.1 km West. The monument is located on the North Side of the Trans Canada Highway ROW 22m East of the NE Corner of the box culvert and 12m North of the Centreline of the West bound Lanes.

STATION LOCTION MAPS



Control Station Information Sheet

Station ID	303	Latitude	49 57 14.27358 N	Ortho Height (H)	310.012 m
Datum	NAD83 (CSRS)	Longitude	98 56 58.74714 W	Ellip Height (h)	285.489 m
Geoid	HT2_0	Easting	503611.739 m	Geoid Sep (N)	-24.523 m
UTM Zone	14 N	Northing	5533513.543 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

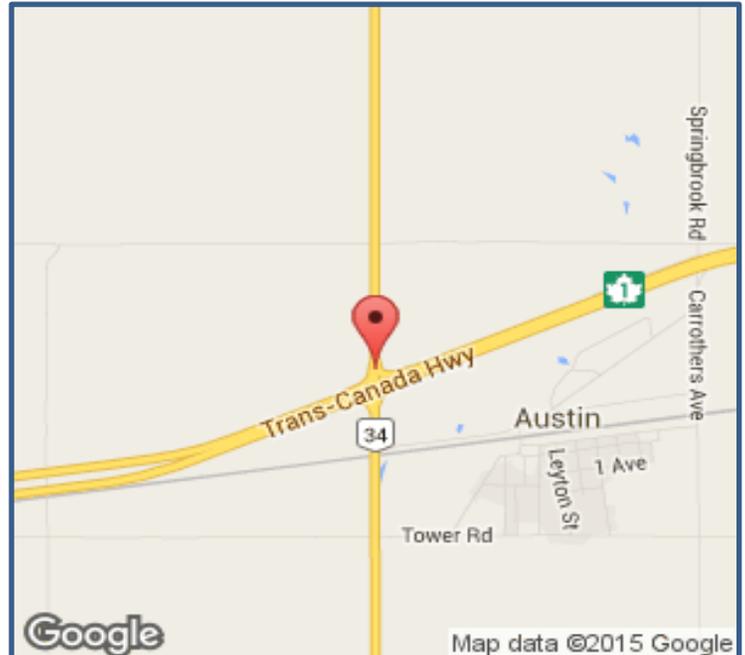
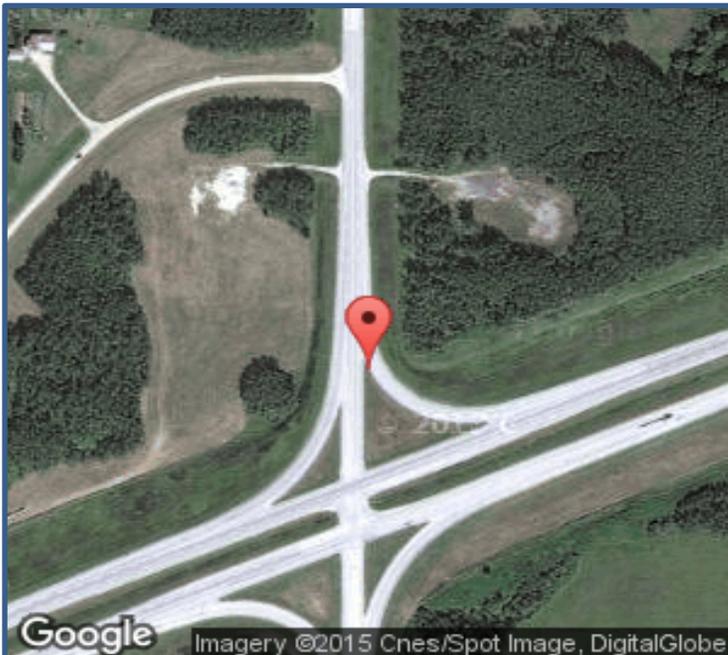
STATION PHOTOS



STATION ACCESS

At the intersection of PTH #34 and the Trans Canada Highway go 82.5m North of the Centreline Westbound lane of the Trans Canada Highway and 8.6m East of the centreline of PTH #34.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	304	Latitude	49 53 01.63410 N	Ortho Height (H)	240.027 m
Datum	NAD83 (CSRS)	Longitude	97 38 29.98637 W	Ellip Height (h)	213.217 m
Geoid	HT2_0	Easting	597580.964 m	Geoid Sep (N)	-26.810 m
UTM Zone	14 N	Northing	5526594.416 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 Extension - East limit at PR248 to the PR334.

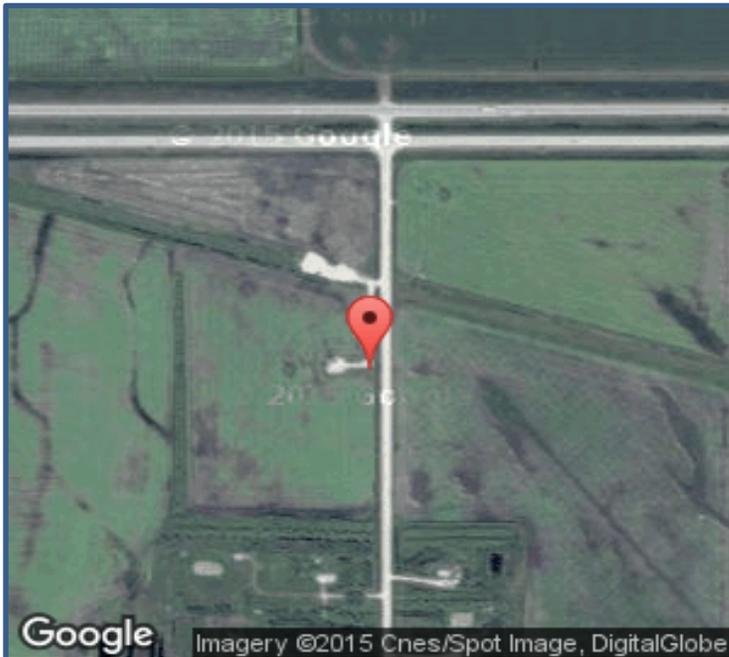
STATION PHOTOS



STATION ACCESS

From the intersection of the Trans Canada Highway and PR 332 travel South 317 m on PR 332. The monument is located approx. 31 m East of the Southeast corner of the cell tower chainlink fence along the straight production of the cell tower's south chainlink fence.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	305-CP22	Latitude	49 53 58.10949 N	Ortho Height (H)	240.472 m
Datum	NAD83 (CSRS)	Longitude	97 19 13.73296 W	Ellip Height (h)	213.044 m
Geoid	HT2_0	Easting	620614.056 m	Geoid Sep (N)	-27.428 m
UTM Zone	14 N	Northing	5528806.342 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH100.

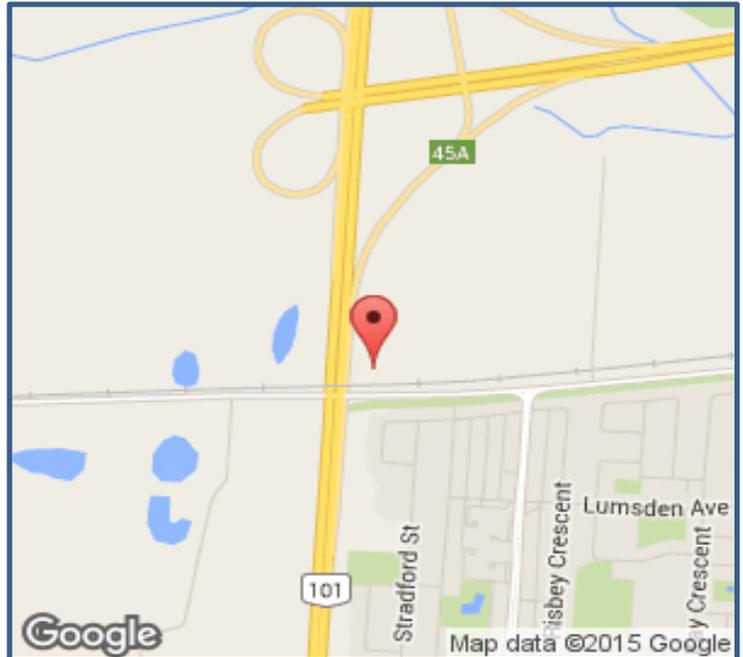
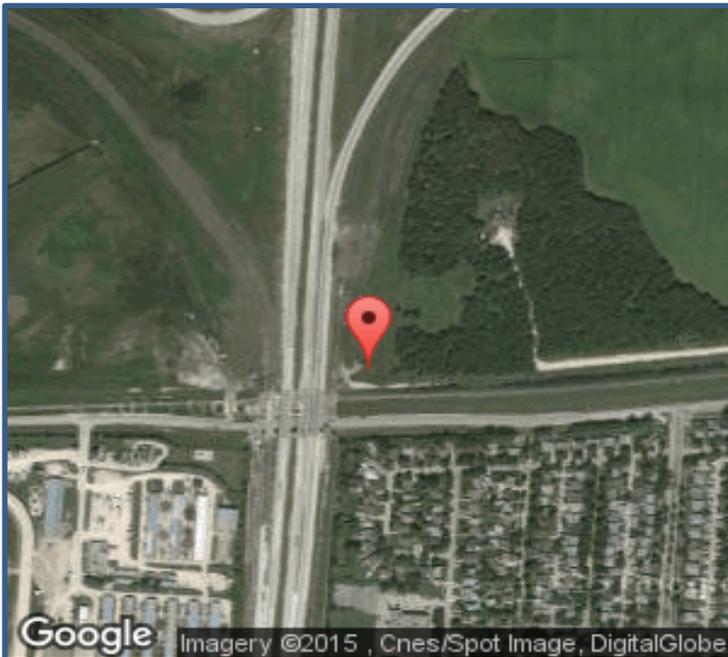
STATION PHOTOS



STATION ACCESS

The monument lies to the Northeast of the intersection of PR 425 (Saskatchewan Avenue) and PTH 101. The monument is located 39.4 m North of the North rail track and 4.3 m West of the Hydro Poles and 14.2 m Northeast of a hydro manhole.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	306	Latitude	49 50 08.20612 N	Ortho Height (H)	239.182 m
Datum	NAD83 (CSRS)	Longitude	97 19 29.87929 W	Ellip Height (h)	211.950 m
Geoid	HT2_0	Easting	620450.714 m	Geoid Sep (N)	-27.232 m
UTM Zone	14 N	Northing	5521699.326 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH100.

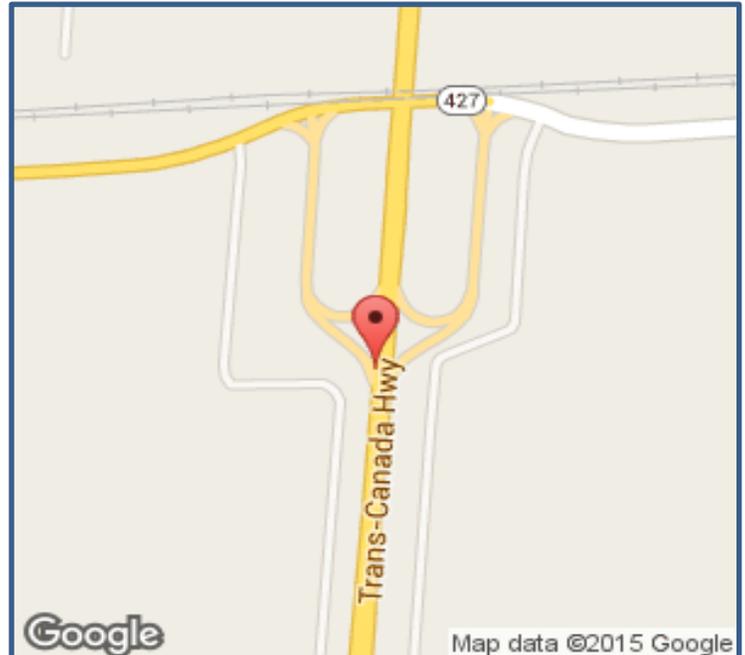
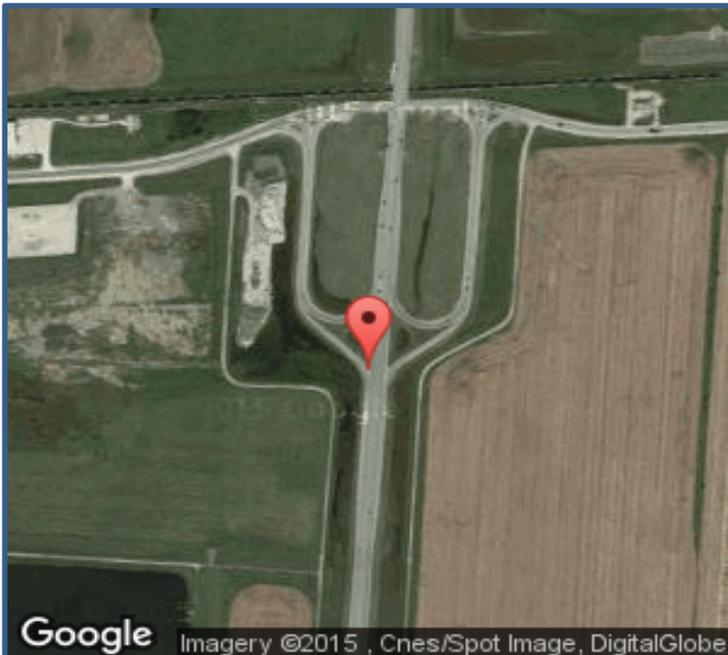
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 100 and PR 427 travel South 370 m on PR 100. The monument is located 0.3 m deep at the Southwest interchange of PTH 100 and PR 427 4.4 m west of the west edge White paint line along PTH 100 and 12 m south of merge lane sign west side of PTH 100.

STATION LOCATION MAPS



Fugro GeoServices Ltd.
Control Station Information Sheet



Station ID	307	Latitude	49 11 32.58679 N	Ortho Height (H)	243.818 m
Datum	NAD83 (CSRS)	Longitude	97 33 10.17972 W	Ellip Height (h)	218.192 m
Geoid	HT2_0	Easting	605439.933 m	Geoid Sep (N)	-25.626 m
UTM Zone	14 N	Northing	5449850.688 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH14.

STATION PHOTOS



STATION ACCESS

From the intersection of PTH 30 and PTH 14 travel 225 m West along PTH 14. The monument is located 9 m North of the centerline of PTH 14 and 14.5 m East of the East railand 11.3 m Northeast of the rail signal light.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	308	Latitude	49 52 39.48737 N	Ortho Height (H)	238.033 m
Datum	NAD83 (CSRS)	Longitude	97 25 43.74803 W	Ellip Height (h)	210.817 m
Geoid	HT2_0	Easting	612885.110 m	Geoid Sep (N)	-27.216 m
UTM Zone	14 N	Northing	5526209.469 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 Extension - East limit at PR248 to the PR334.

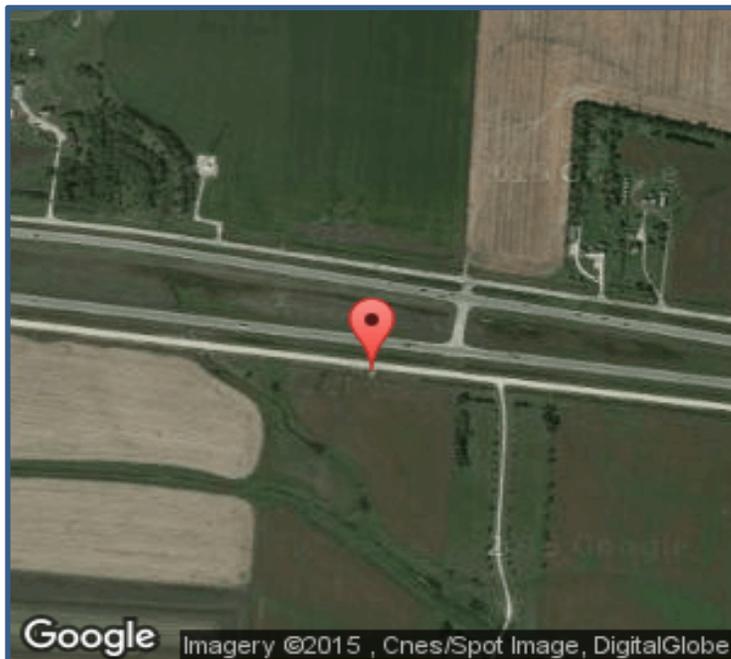
STATION PHOTOS



STATION ACCESS

From the intersection of Trans Canada Highway and PR 334 travel West 2.6 km on Trans Canada Highway to Gaol Road. Travel approx. 720m East of the centerline of Gaol Road along the South Service Road. The monument is located 7 m South of the centerline of the South Service Road and 2 m West of the centerline of the approach.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	309	Latitude	49 54 29.25384 N	Ortho Height (H)	241.001 m
Datum	NAD83 (CSRS)	Longitude	97 46 08.53877 W	Ellip Height (h)	214.457 m
Geoid	HT2_0	Easting	588386.258 m	Geoid Sep (N)	-26.544 m
UTM Zone	14 N	Northing	5529142.221 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 - PTH13 to PR248.

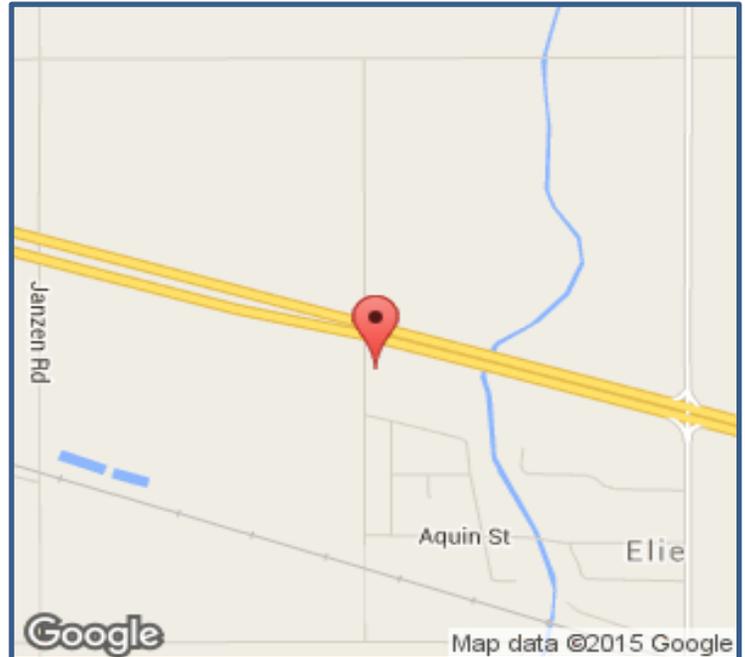
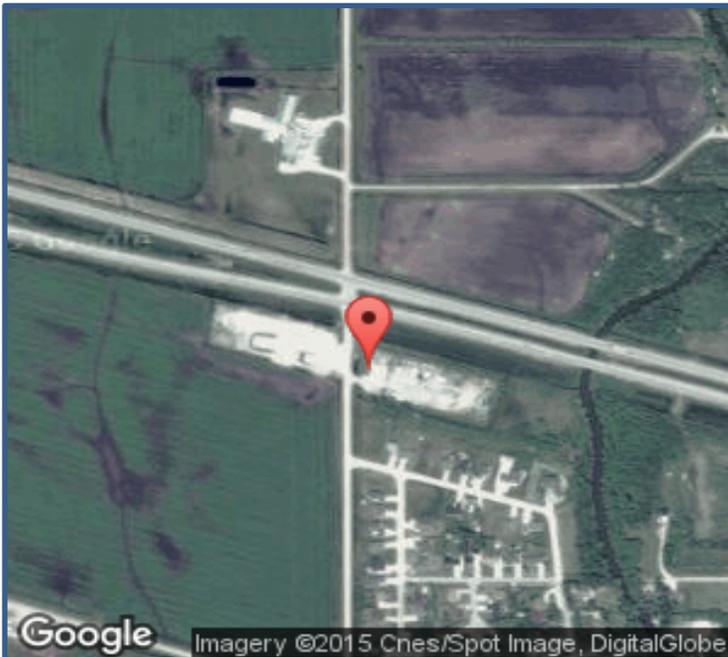
STATION PHOTOS



STATION ACCESS

From the intersection of Trans Canada Highway and PR 248 travel West 855 m on Trans Canada Highway to Deslauriers Road. Travel South on Deslauriers Road 150 m to the MIT yard at #10 Deslauriers Road in Elie, MB. The monument is located 0.3 m deep 33.5m westerly on a straight production of the South wall of the garage with doors marked "1" and "2" and 8.5 m North of the hydro anchor on North side of the approach.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	310	Latitude	49 55 58.62414N	Ortho Height (H)	244.048 m
Datum	NAD83 (CSRS)	Longitude	97 53 43.19405 W	Ellip Height (h)	217.718 m
Geoid	HT2_0	Easting	579277.560 m	Geoid Sep (N)	-26.330 m
UTM Zone	14 N	Northing	5531760.848 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 Extension - East limit at PR248 to the PR334.

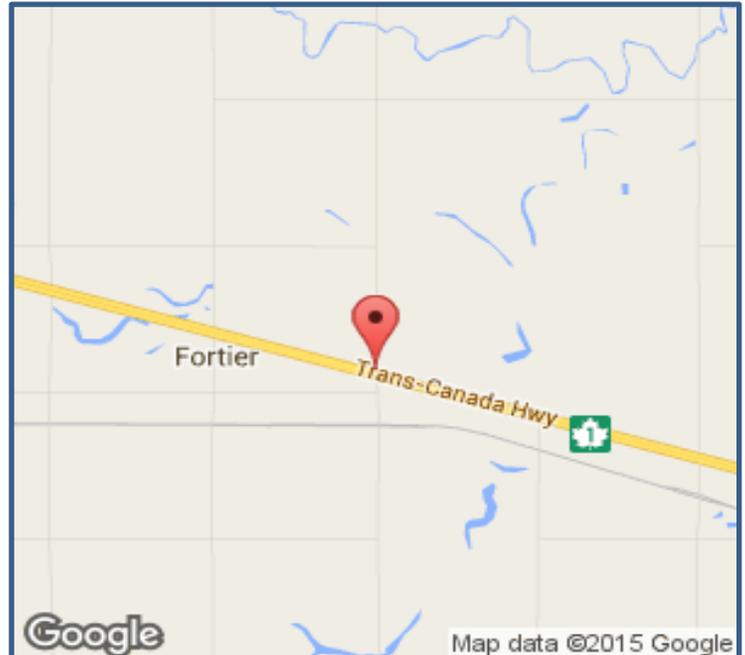
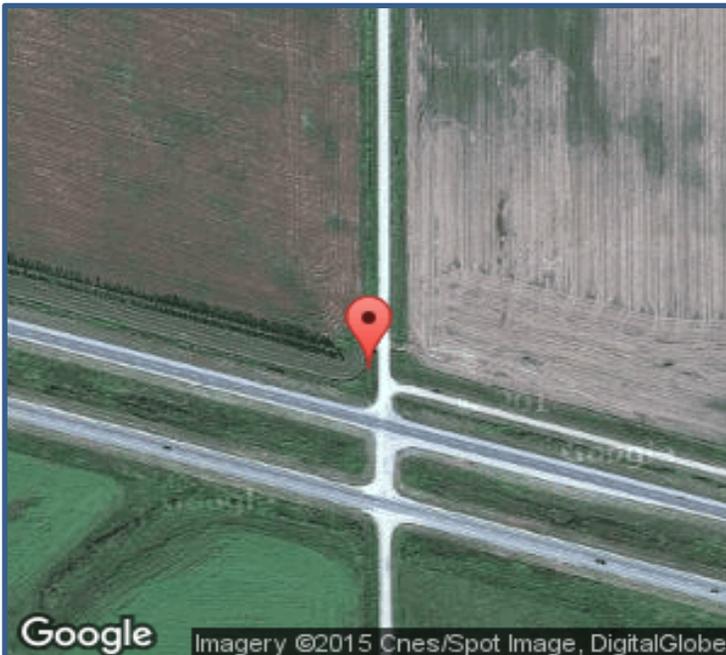
STATION PHOTOS



STATION ACCESS

From the intersection of Trans Canada Highway (West bound lane) and Mile Road 19West. The monument is located 32 m north of the centerline of the west bound lane of the Trans Canada Highway, and 10 m West of the centerline of Mile Road 19West 0.3 m deep.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	311	Latitude	49 40 56.62446 N	Ortho Height (H)	232.494 m
Datum	NAD83 (CSRS)	Longitude	97 06 48.64727 W	Ellip Height (h)	205.387 m
Geoid	HT2_0	Easting	636083.588 m	Geoid Sep (N)	-27.107 m
UTM Zone	14 N	Northing	5505027.423 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project St Adolphe.

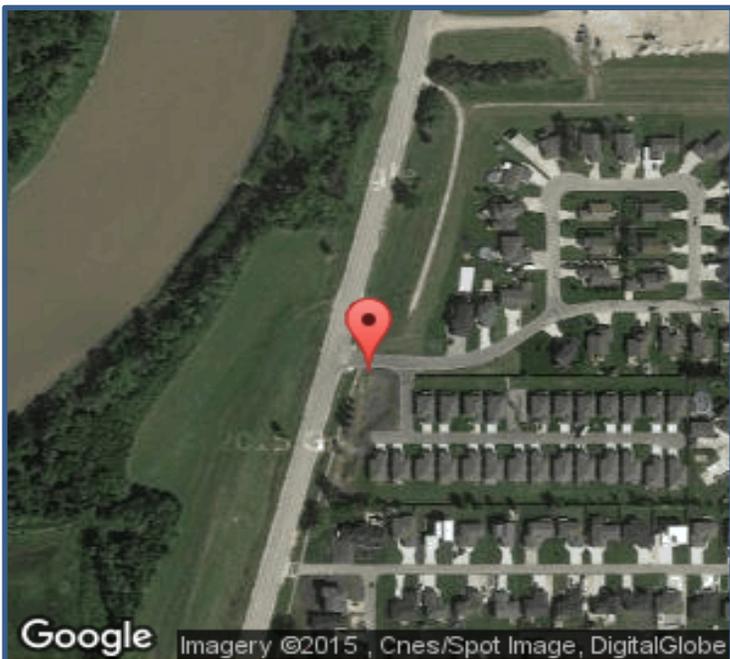
STATION PHOTOS



STATION ACCESS

From the intersection of PR 200 and PR 210 travel North 340 m on PR 200 to Kosman Boulevard. The monument is located in the South East corner of this intersection approx. 10.5 m South of the curb line along the South limit of the Road and 12.5 m East of the asphalt sidewalk 0.15 m deep.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	312	Latitude	49 40 07.46792 N	Ortho Height (H)	233.362 m
Datum	NAD83 (CSRS)	Longitude	97 06 43.39726 W	Ellip Height (h)	206.277 m
Geoid	HT2_0	Easting	636226.928 m	Geoid Sep (N)	-27.085 m
UTM Zone	14 N	Northing	5503512.104 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project St Adolphe.

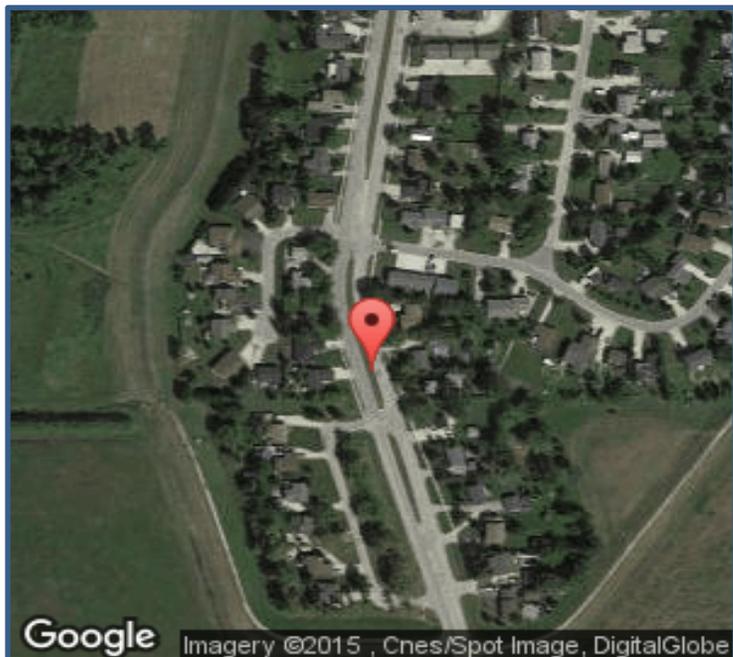
STATION PHOTOS



STATION ACCESS

From the intersection of PR 200 and PR 210 travel South 1.3km on PR 200 to Philip Bay. The monument is located 0.15 m deep in the centerline of the median of PR 200 along a straight production East of the North wall of the 1 storey brick front house numbered 227.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	313	Latitude	49 53 14.30377 N	Ortho Height (H)	239.535 m
Datum	NAD83 (CSRS)	Longitude	97 32 16.50235 W	Ellip Height (h)	212.488 m
Geoid	HT2_0	Easting	605025.994 m	Geoid Sep (N)	-27.047 m
UTM Zone	14 N	Northing	5527125.990 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project CCW Extension Full.

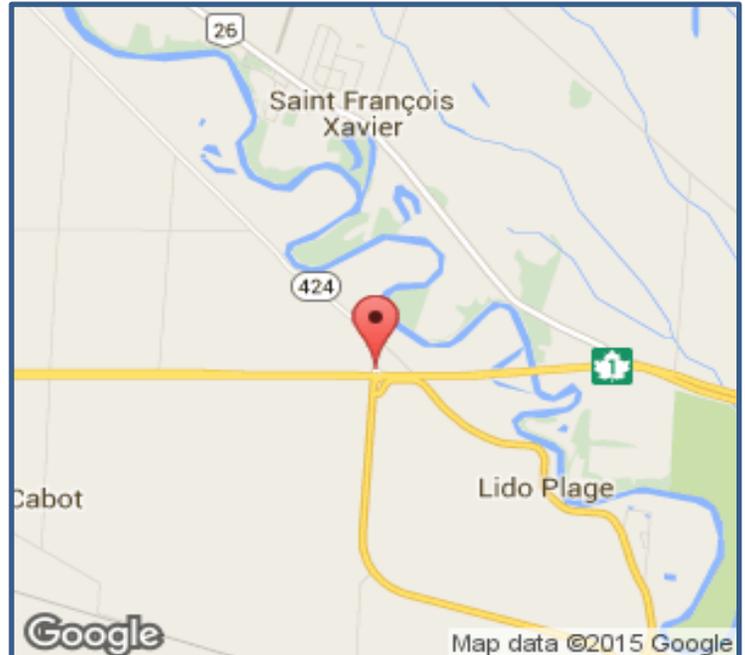
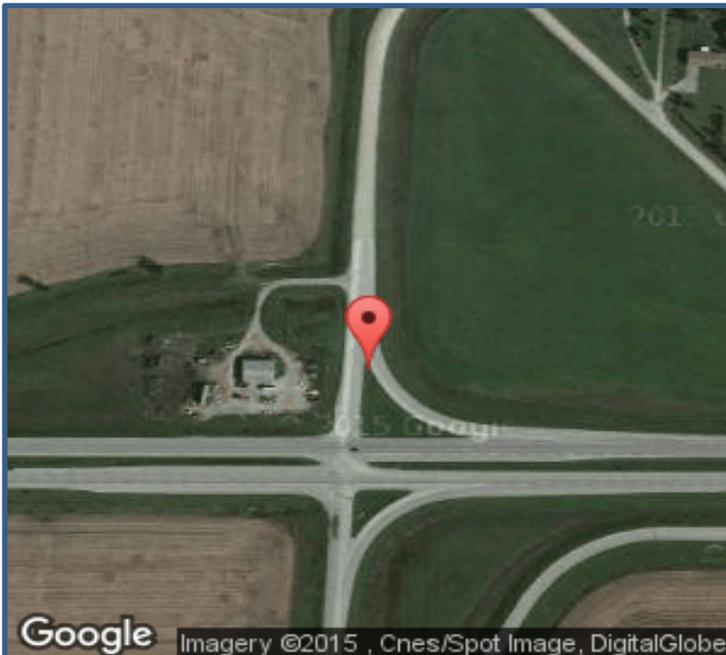
STATION PHOTOS



STATION ACCESS

51 m North of the centerline of the West bound lane of the Trans Canada Highway and 8 m East of the centerline of PR 424 and 0.3 m deep.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	314-833_AA	Latitude	49 00 01.60952 N	Ortho Height (H)	243.197 m
Datum	NAD83 (CSRS)	Longitude	97 12 57.91186 W	Ellip Height (h)	217.013 m
Geoid	HT2_0	Easting	630475.849 m	Geoid Sep (N)	-26.184 m
UTM Zone	14 N	Northing	5429038.685 m	Marker Height	0.000 m

MARK DESCRIPTION

Brass Cap in Concrete Pillar. Surveyed for project Emerson Dike.

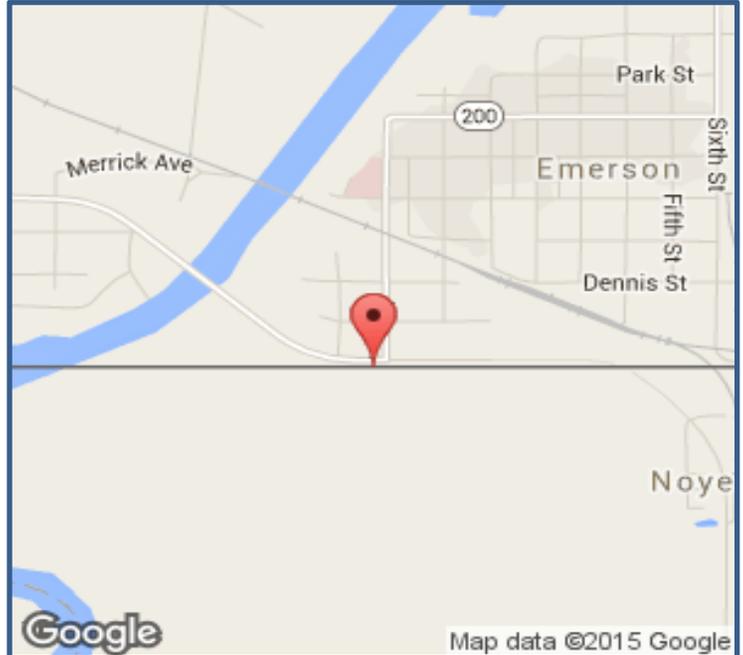
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 75 and PR 200 in Emerson, MB travel East 1.7 km on PR 200 to Main Street. The monument is located approx. 29.3 m West of the centerline of Main Street and 18.9 m South of the centerline of Boundary Avenue.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	315	Latitude	49 00 36.20446 N	Ortho Height (H)	240.496 m
Datum	NAD83 (CSRS)	Longitude	97 12 15.27120 W	Ellip Height (h)	214.294 m
Geoid	HT2_0	Easting	631316.851 m	Geoid Sep (N)	-26.202 m
UTM Zone	14 N	Northing	5430127.309 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Emerson Dike.

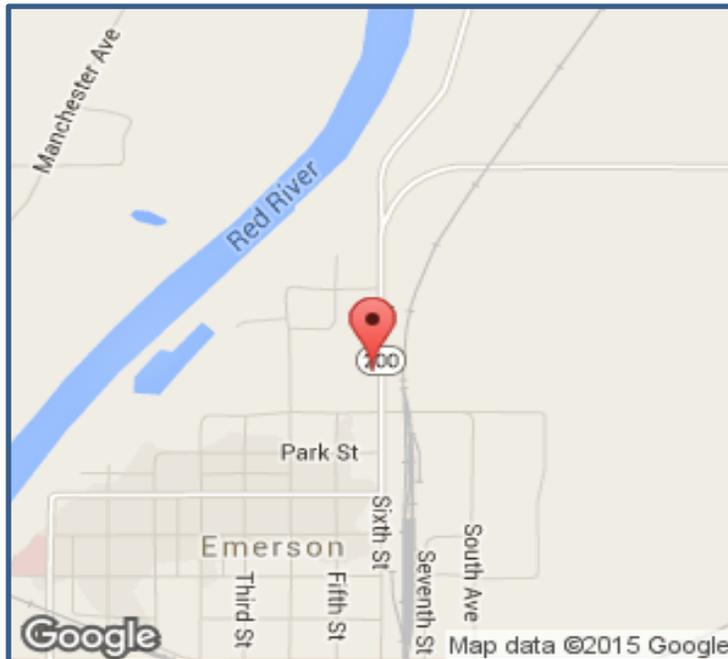
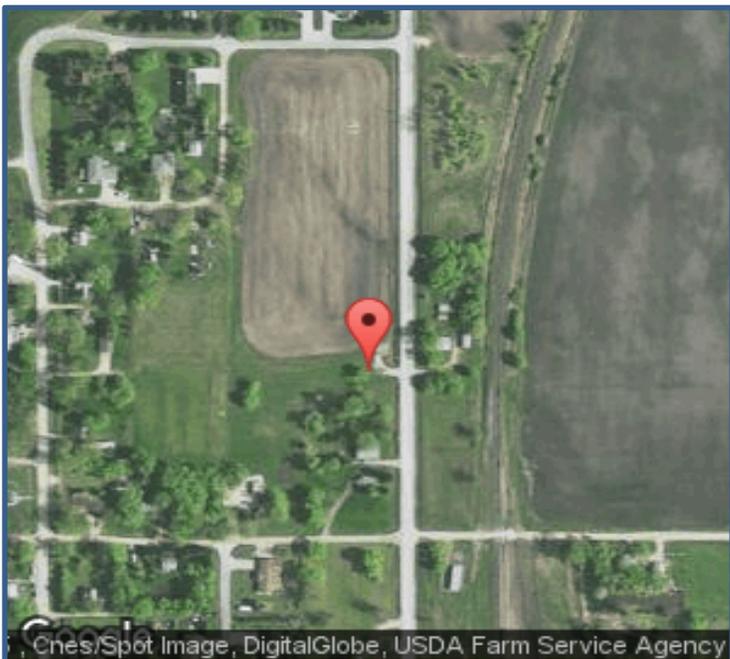
STATION PHOTOS



STATION ACCESS

From the intersection of Sixth Street and Roseau Street in Emerson travel North approx. 115 m on Sixth Street. The monument is located 20.3 m West of the centerline of Sixth Street and 12.7 m South of the Southeast corner of the chainlink fence for the Manitoba Hydro shed.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	316	Latitude	49 10 45.32876 N	Ortho Height (H)	500.394 m
Datum	NAD83 (CSRS)	Longitude	100 30 58.03737 W	Ellip Height (h)	479.057 m
Geoid	HT2_0	Easting	389507.413 m	Geoid Sep (N)	-21.337 m
UTM Zone	14 N	Northing	5448489.770 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Deloraine.

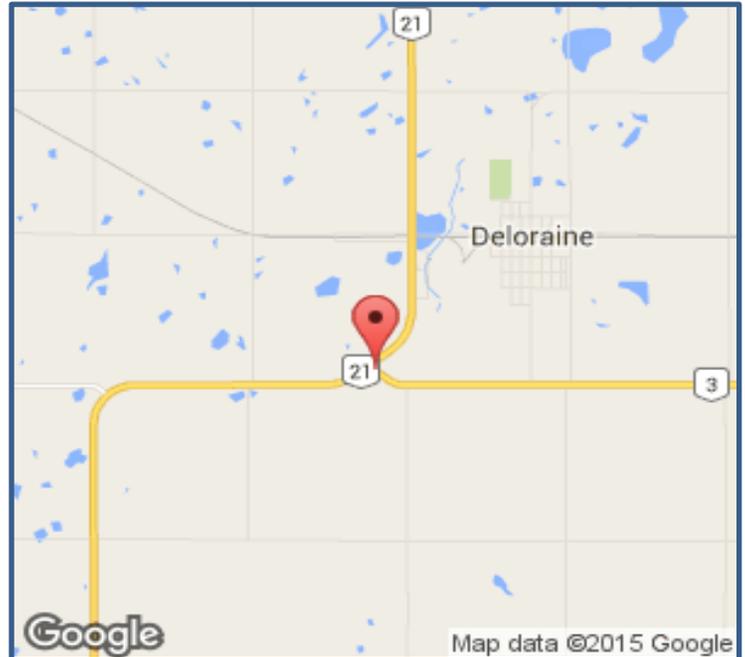
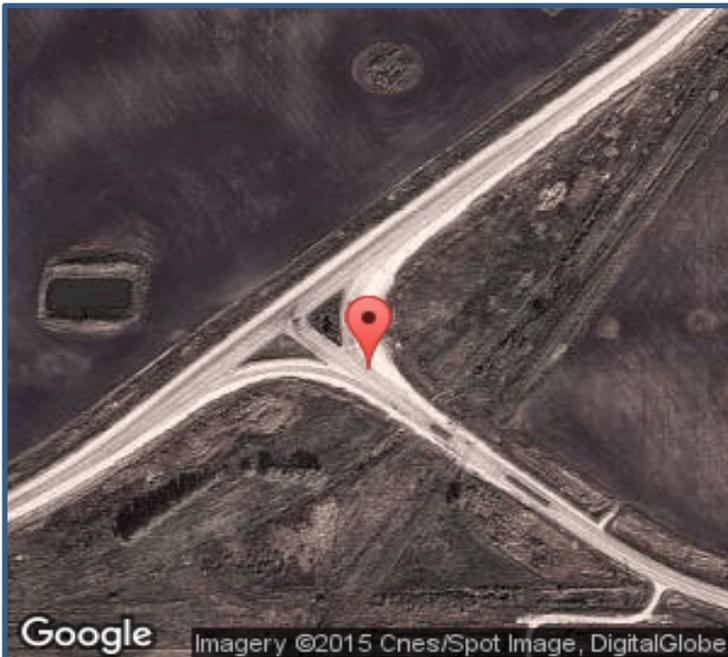
STATION PHOTOS



STATION ACCESS

At the intersection of PTH 3 and PTH 21 South of Deloraine, MB. The monument is located approx. 66.5 m Southeast of the centerline of PTH 21 and approx. 4.7 m Northeast of the centerline of PTH 3.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	317	Latitude	49 46 05.79318 N	Ortho Height (H)	239.176 m
Datum	NAD83 (CSRS)	Longitude	97 37 24.33612 W	Ellip Height (h)	212.560 m
Geoid	HT2_0	Easting	599126.781 m	Geoid Sep (N)	-26.616 m
UTM Zone	14 N	Northing	5513776.255 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

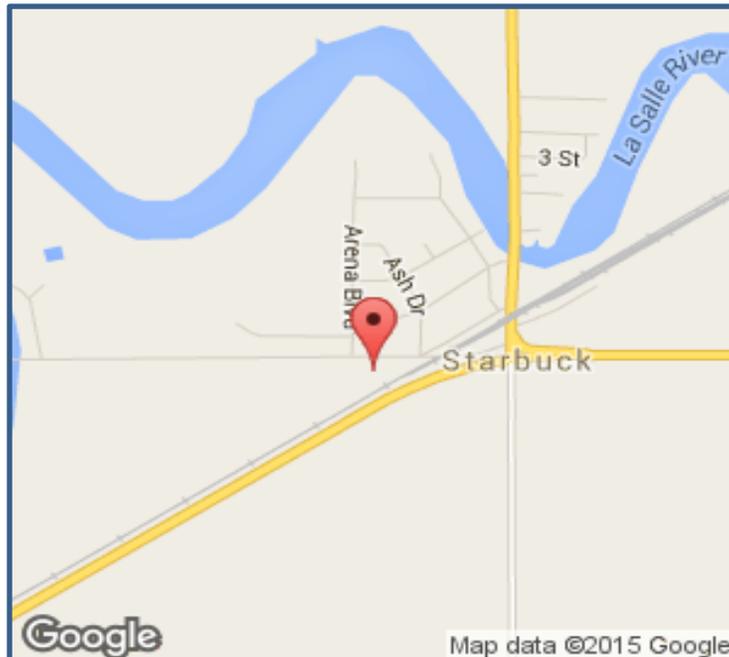
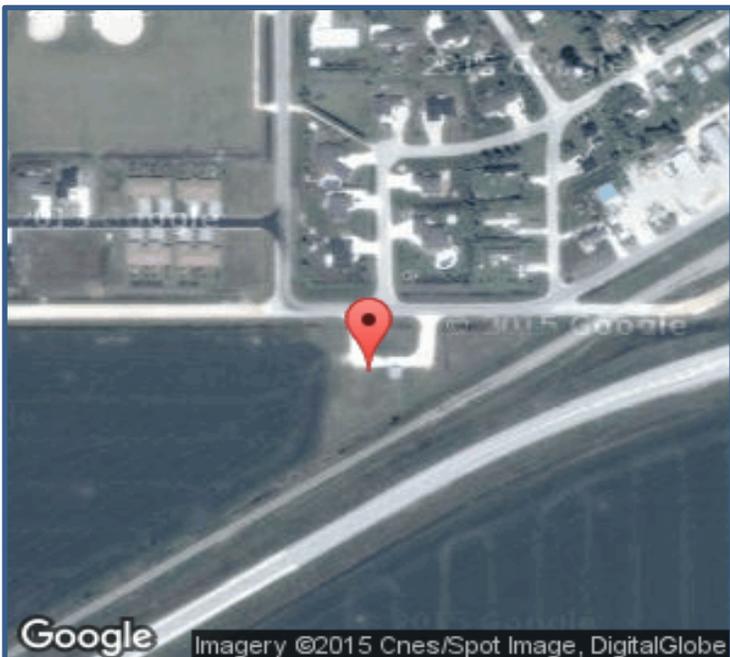
STATION PHOTOS



STATION ACCESS

From the intersection of PR 332 and PTH 2 travel North 95 m on PR 332 to Halland Drive in Starbuck, MB. Travel Southwest on Halland Drive 360 m to the intersection of Halland Drive and MacDonald Street. The monument is located Southwest of this intersection approx. 15.5 m West of the R.M. of MacDonald Water Works building along a straight production Westerly of the North wall of said building and 0.15 m deep.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	318	Latitude	50 03 33.40593 N	Ortho Height (H)	245.089 m
Datum	NAD83 (CSRS)	Longitude	97 42 43.44636 W	Ellip Height (h)	218.189 m
Geoid	HT2_0	Easting	592187.389 m	Geoid Sep (N)	-26.900 m
UTM Zone	14 N	Northing	5546016.161 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

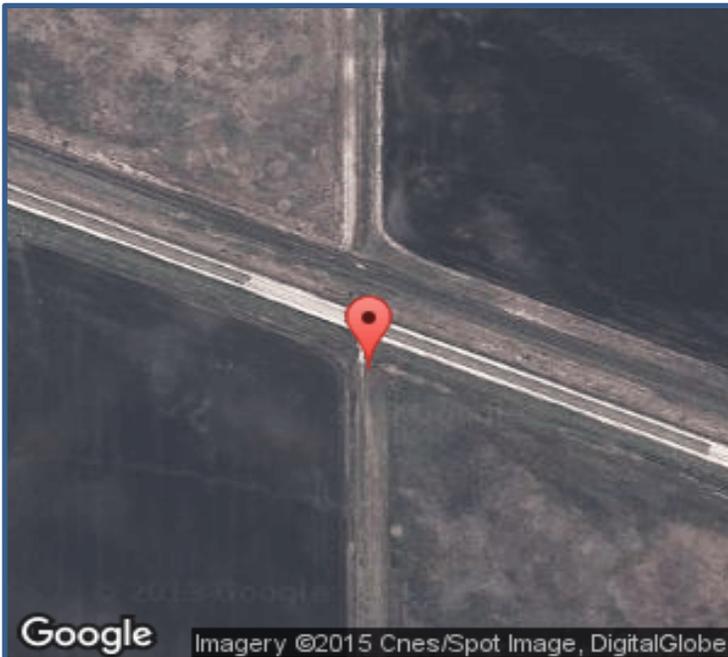
STATION PHOTOS



STATION ACCESS

From the intersection of PR 221 and PR 248 travel Southeast 1.7 km on PR 221 to the undeveloped road allowance at Road 11 West. The monument is located a perpendicular distance of approx. 24.4 m South of the south edge of asphalt of PR 221 and 17.1 m Northwestly from the Northwest corner of a barbed wire fence along a straight production of the North limit of said fence.

STATION LOCTION MAPS



Control Station Information Sheet

Station ID	319	Latitude	50 01 46.53171 N	Ortho Height (H)	242.629 m
Datum	NAD83 (CSRS)	Longitude	97 35 48.48569 W	Ellip Height (h)	215.481 m
Geoid	HT2_0	Easting	600499.643 m	Geoid Sep (N)	-27.148 m
UTM Zone	14 N	Northing	5542864.121 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

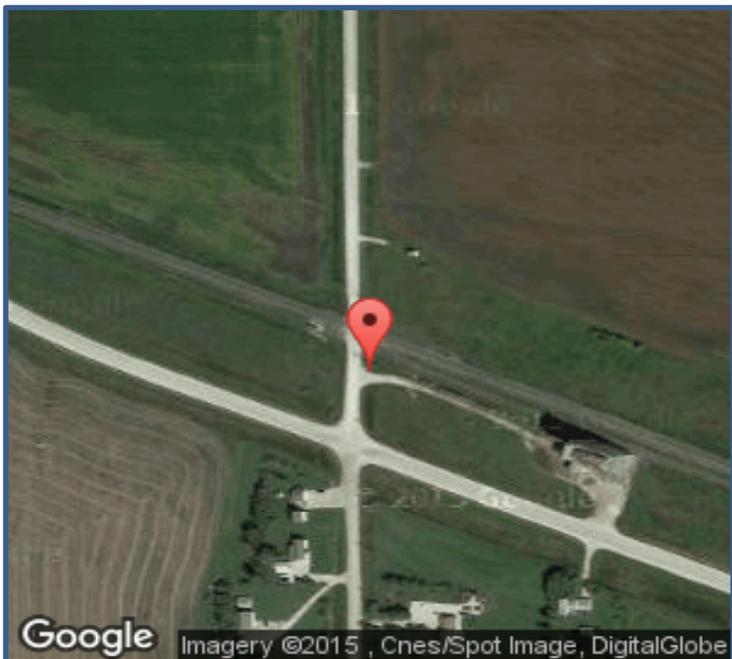
STATION PHOTOS



STATION ACCESS

From the intersection of PR 221 and PR 248 travel Southeast 10.7 km on PR 221 to Meadows Road. The monument is located approx. 9.4 m East of the centerline of Meadows Road and 24 m South of the south rail line.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	320	Latitude	49 44 40.55286 N	Ortho Height (H)	242.839 m
Datum	NAD83 (CSRS)	Longitude	97 46 39.93647 W	Ellip Height (h)	216.566 m
Geoid	HT2_0	Easting	588056.425 m	Geoid Sep (N)	-26.273 m
UTM Zone	14 N	Northing	5510951.403 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

STATION PHOTOS



STATION ACCESS

From the intersection of PTH 2 and PR 248 travel North 330 m on PR 248 to Main Avenue in Fannystelle. The monument is located in the Northeast corner of this intersection approx. 6.4 m East of the Hydro pole closest to the east limit of PR 248 and 5.5 m South of a small Fence surrounding a flagpole and monument.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	321	Latitude	49 40 57.83710 N	Ortho Height (H)	251.891 m
Datum	NAD83 (CSRS)	Longitude	97 58 57.57938 W	Ellip Height (h)	226.161 m
Geoid	HT2_0	Easting	573387.769 m	Geoid Sep (N)	-25.730 m
UTM Zone	14 N	Northing	5503853.226 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

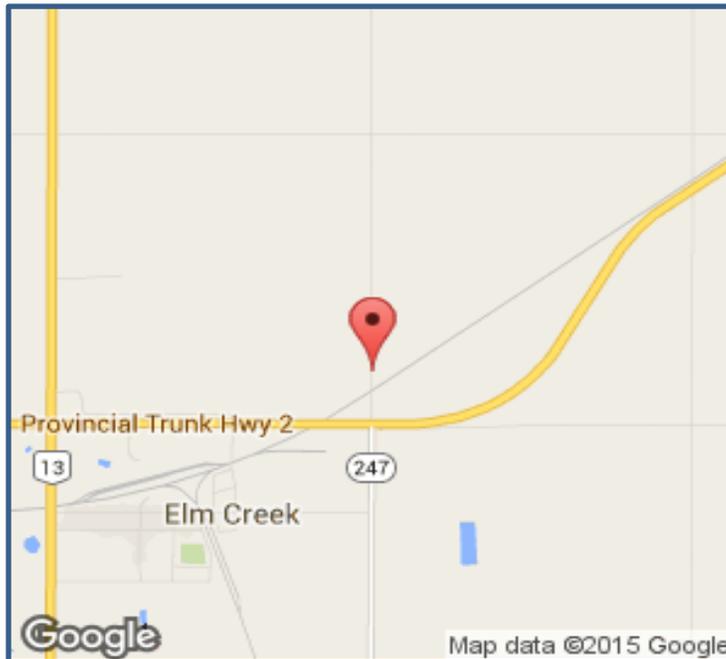
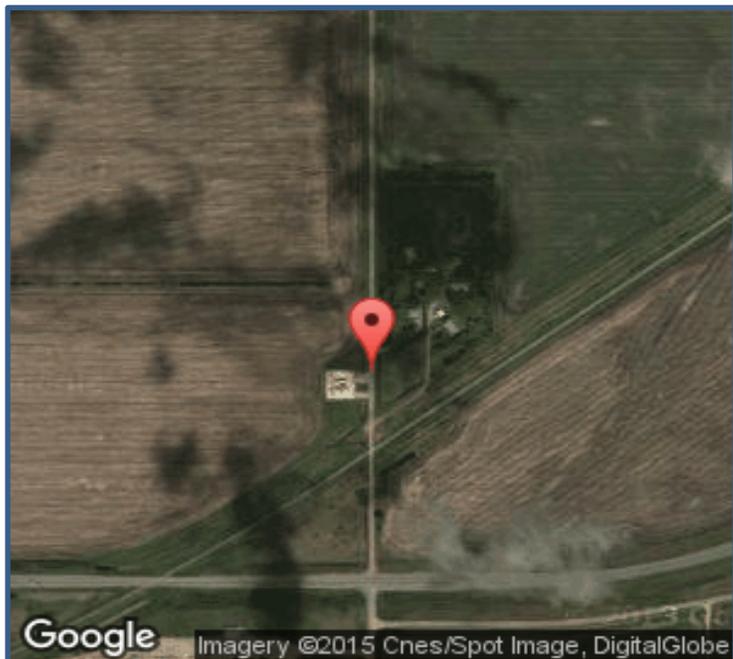
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 2 and PR 247 travel North 290 m on Lepp Road 23 West to the Hydro substation. The monument is located approx. 1.8 m West of the edge of gravel of PR 247 and on a straight production Easterly of the most Northerly chainlink fence surrounding said substation.

STATION LOCATION MAPS



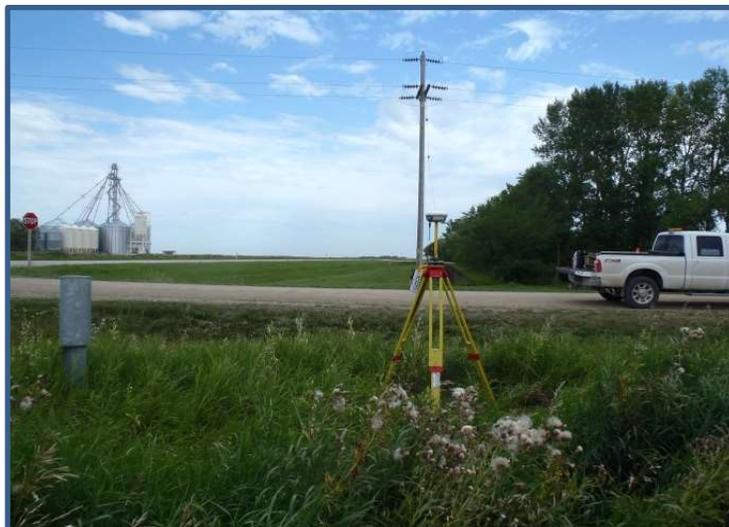
Control Station Information Sheet

Station ID	322	Latitude	49 42 32.92329 N	Ortho Height (H)	235.511 m
Datum	NAD83 (CSRS)	Longitude	97 15 24.03350 W	Ellip Height (h)	208.529 m
Geoid	HT2_0	Easting	625687.908 m	Geoid Sep (N)	-26.982 m
UTM Zone	14 N	Northing	5507751.700 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

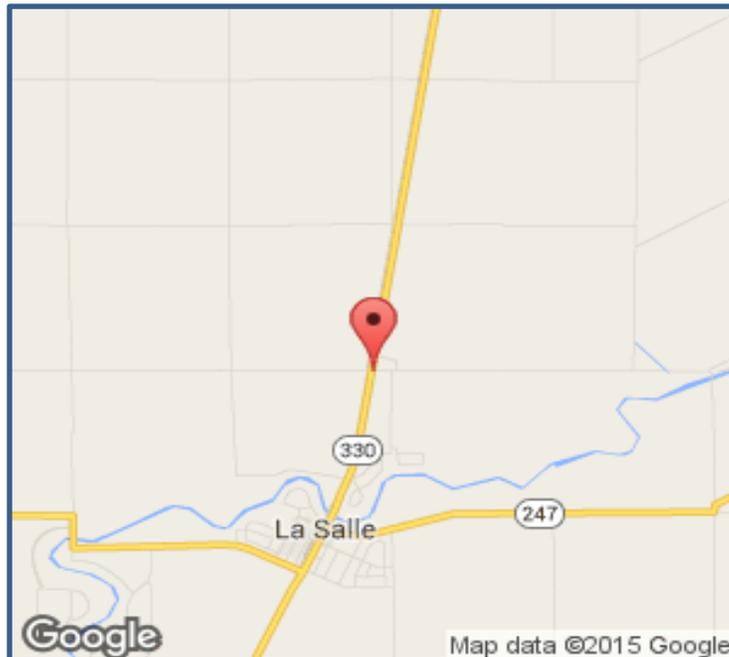
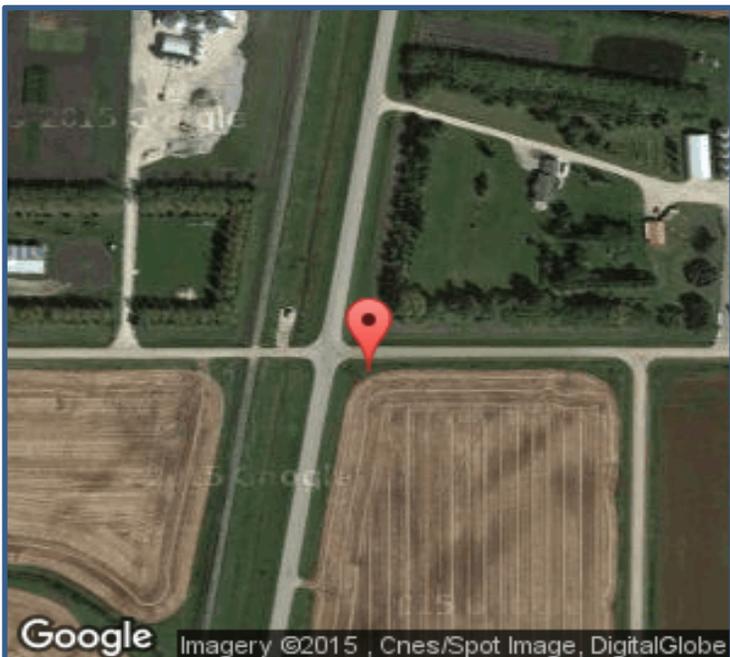
STATION PHOTOS



STATION ACCESS

From the intersection of PR 247 and PR 330 travel North 1.8 km on PR 330 to Road 49 North. The monument is located approx. 4.9 m East of the East limit of the road allowance for PR 330 and on the south limit of the road allowance for road 49 North and approx. 2.7 m East of an MTS pedestal.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	323	Latitude	49 37 14.80680 N	Ortho Height (H)	239.496 m
Datum	NAD83 (CSRS)	Longitude	97 34 22.23351 W	Ellip Height (h)	213.134 m
Geoid	HT2_0	Easting	603080.752 m	Geoid Sep (N)	-26.362 m
UTM Zone	14 N	Northing	5497446.695 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Assiniboine River Brandon to Portage.

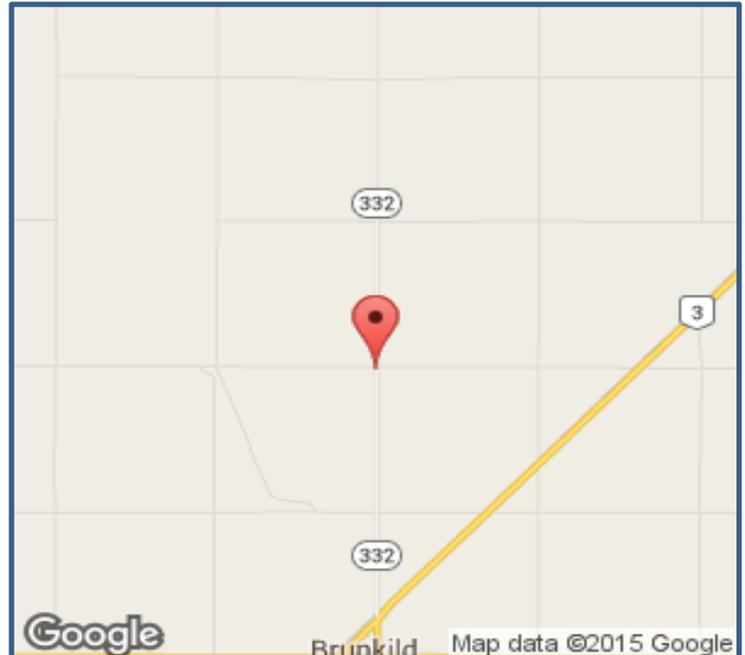
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 3 and PR 332 travel North 2.9 km on PR 332 to Road 42 North. The monument is located in the Southwest corner of this intersection approx. 3.7 m South of the hydro line and 0.6 m West of the West edge of gravel for PR 332.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	324	Latitude	49 08 03.78654 N	Ortho Height (H)	239.068 m
Datum	NAD83 (CSRS)	Longitude	97 18 26.57359 W	Ellip Height (h)	213.032 m
Geoid	HT2_0	Easting	623466.409 m	Geoid Sep (N)	-26.036 m
UTM Zone	14 N	Northing	5443774.275 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Letellier.

STATION PHOTOS



STATION ACCESS

In Letellier from the intersection of 2nd Avenue West and Railway Street travel West 230 m on 2nd Avenue West. The monument is located 1.4 m West of the west edge of asphalt of the P-loop on a straight production of the centerline of 2nd Avenue West and 5.4 m South of the stop sign.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	325	Latitude	49 08 53.31115 N	Ortho Height (H)	240.299 m
Datum	NAD83 (CSRS)	Longitude	97 18 54.10660 W	Ellip Height (h)	214.268 m
Geoid	HT2_0	Easting	622874.529 m	Geoid Sep (N)	-26.031 m
UTM Zone	14 N	Northing	5445291.061 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Letellier.

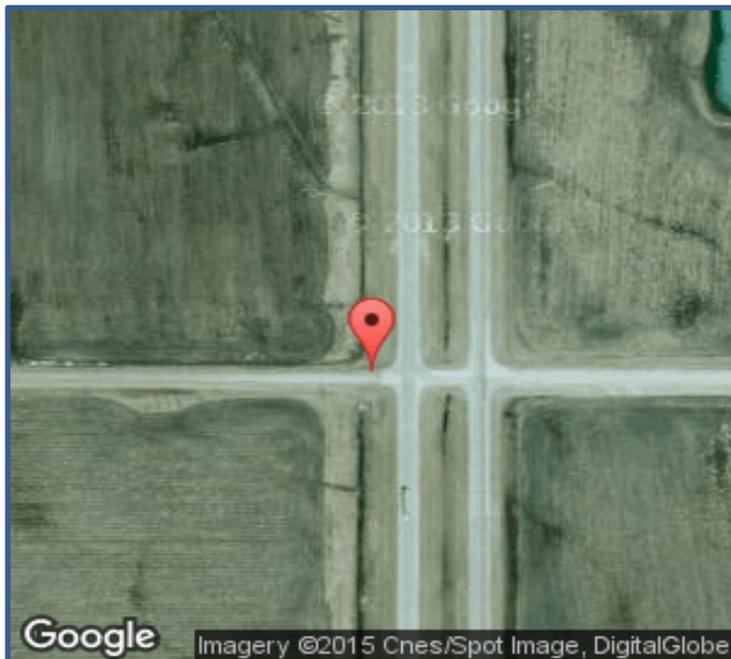
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 75 and PR 201 travel Northwest 1.9 km on PTH 75 to Road 10 North. The monument is located approx. 20.2 m West of the centerline of the South bound lane of PTH 75 and approx. 4.6 m North of the centerline of Road 10 North and 13 m Northwest from the stop sign at the south west corner of the intersection.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	326	Latitude	50 26 14.23292 N	Ortho Height (H)	242.330 m
Datum	NAD83 (CSRS)	Longitude	96 04 31.51889 W	Ellip Height (h)	212.794 m
Geoid	HT2_0	Easting	707671.762 m	Geoid Sep (N)	-29.536 m
UTM Zone	14 N	Northing	5591339.749 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Maple Creek Fall 2013.

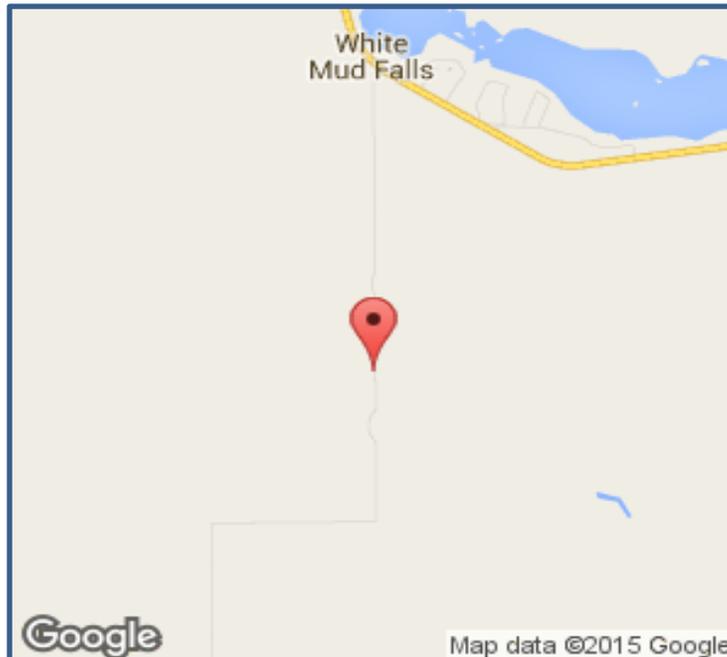
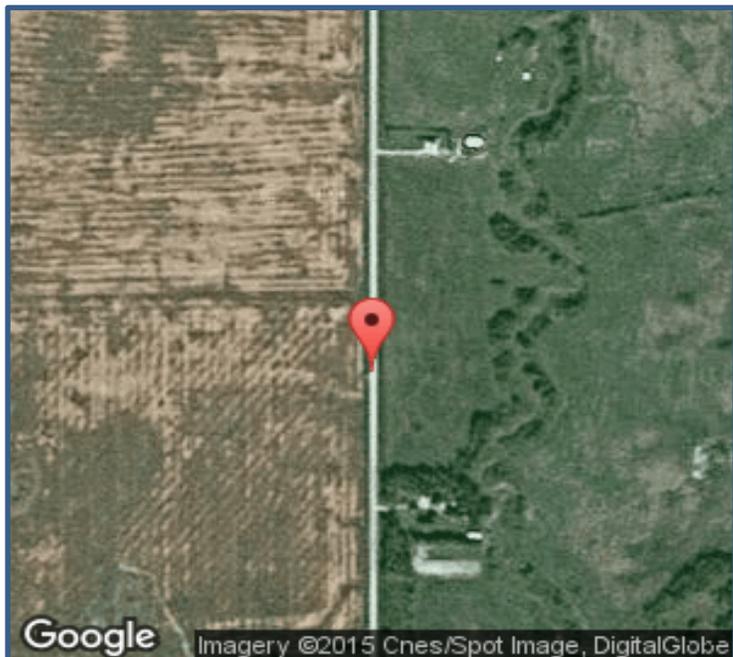
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 11 and PR 317 travel Northwest 5.3 km on PR 317 to Maple Creek Road. Travel North and East on Maple Creek Road 20.5 km. The monument is located approx. 6.3 m West of the centerline of Maple Creek Road and approx. 60.89m southwest of Hydro pole numbered O-438-630 and approx. 33.48 m Northwest of Hydro pole numbered O-438-628.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	327	Latitude	49 58 29.43857 N	Ortho Height (H)	286.505 m
Datum	NAD83 (CSRS)	Longitude	98 40 21.89005 W	Ellip Height (h)	261.502 m
Geoid	HT2_0	Easting	523465.462 m	Geoid Sep (N)	-25.003 m
UTM Zone	14 N	Northing	5535885.072 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH1 - WB & EB Lanes from PTH16 tp PTH34.

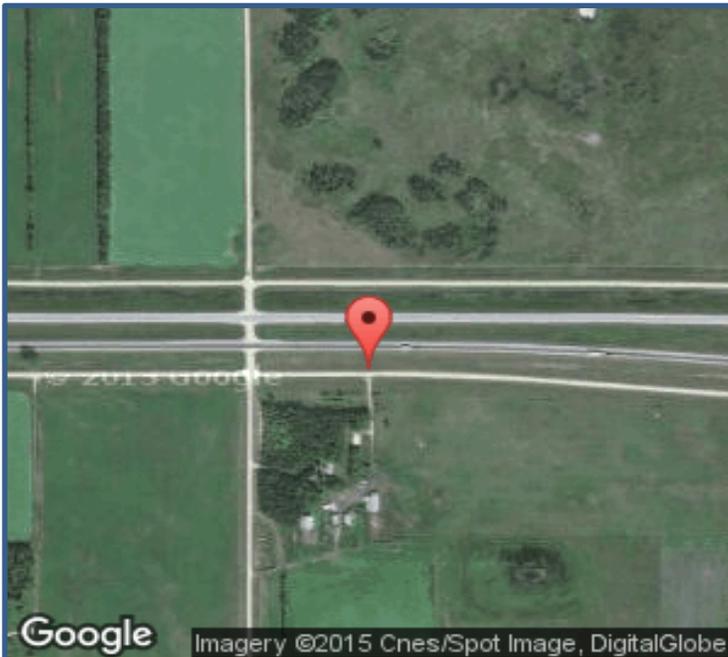
STATION PHOTOS



STATION ACCESS

From the intersection of Trans Canada Highway and PR 242 travel West 3.3 km on Trans Canada Highway to Road 53 West. The monument is located approx. 5 m North of the Centerline of the South Service Road and approx. 150 m East of the centerline of Road 53 West.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	328	Latitude	49 37 15.66643 N	Ortho Height (H)	245.147 m
Datum	NAD83 (CSRS)	Longitude	97 49 24.50782 W	Ellip Height (h)	219.219 m
Geoid	HT2_0	Easting	584978.150 m	Geoid Sep (N)	-25.928 m
UTM Zone	14 N	Northing	5497159.865 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

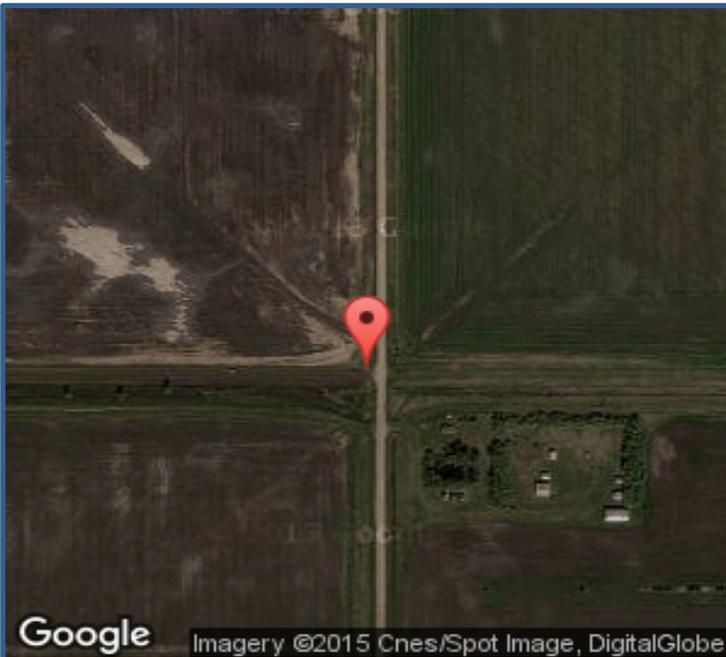
STATION PHOTOS



STATION ACCESS

From the intersection of PR 305 and PR 248 travel West 3.3 km on PR 305 to Road 16 West. Travel North on Road 16 West 3.3 km to the Government Road Allowance. The monument is located in the North West corner of this intersection approx. 10 m West of the edge of gravel of Road 16 West and 3.7 m North of the centerline of the dirt trail on the Government Road Allowance.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	329	Latitude	49 58 07.35451 N	Ortho Height (H)	241.816 m
Datum	NAD83 (CSRS)	Longitude	97 38 19.10693 W	Ellip Height (h)	214.881 m
Geoid	HT2_0	Easting	597626.364 m	Geoid Sep (N)	-26.935 m
UTM Zone	14 N	Northing	5536039.837 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

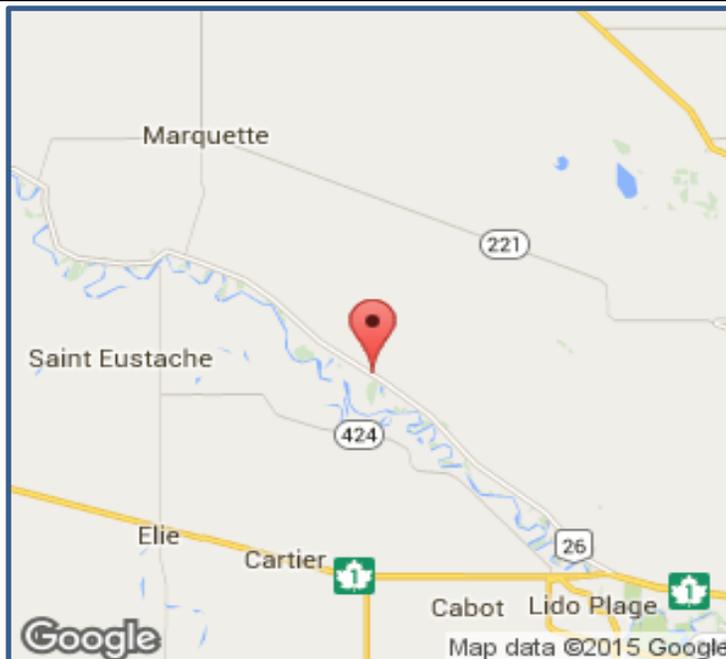
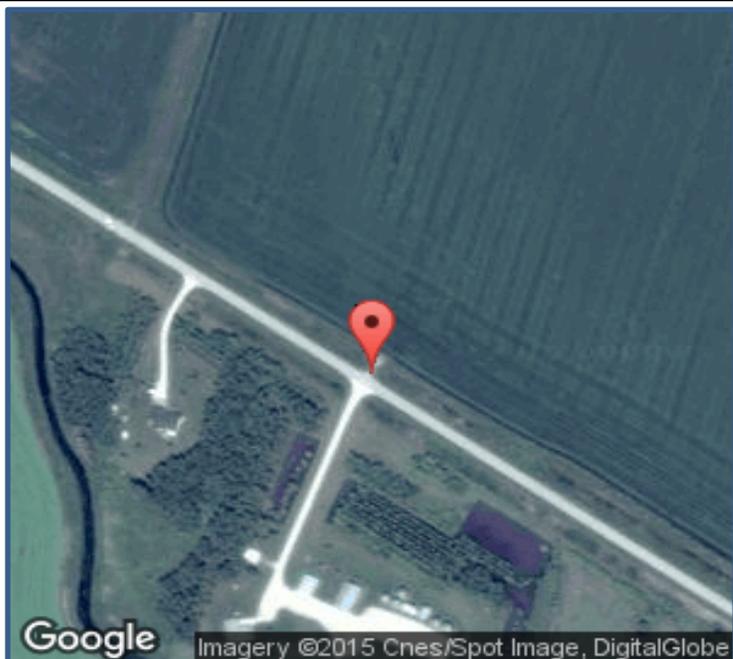
STATION PHOTOS



STATION ACCESS

From the East intersection of PR 248 (Marquette Road) and PR 26 travel Southeast 9.2 km on PR 26 to Friesen Road. Travel Southeast on PR 26 180 km to the Gravel driveway to #2294. The monument is located approx. 2.7 m North of the North edge of asphalt of PR 26 on a straight production Northerly of the centerline of the gravel driveway to #2294 and approx. 32.8 m Northwest of an MTS pedestal.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	330	Latitude	49 59 03.83519 N	Ortho Height (H)	243.262 m
Datum	NAD83 (CSRS)	Longitude	97 45 28.50111 W	Ellip Height (h)	216.609 m
Geoid	HT2_0	Easting	589044.061 m	Geoid Sep (N)	-26.653 m
UTM Zone	14 N	Northing	5537635.323 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

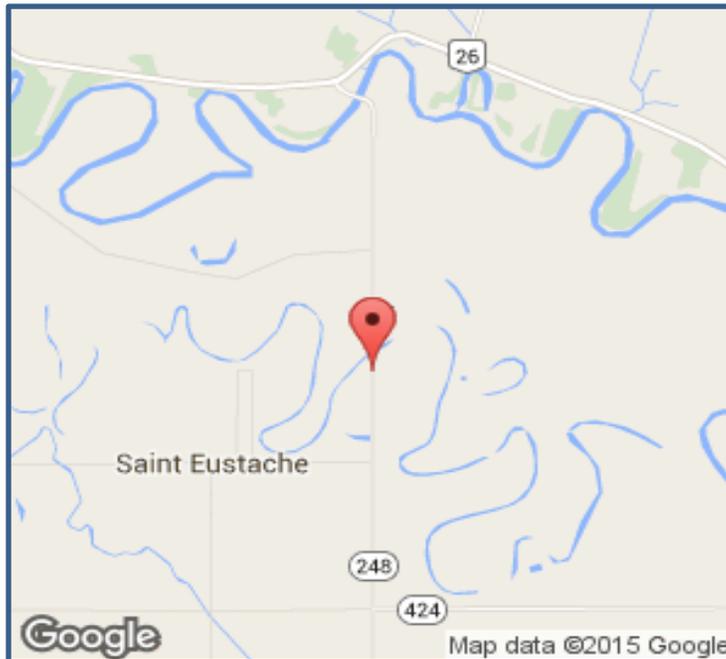
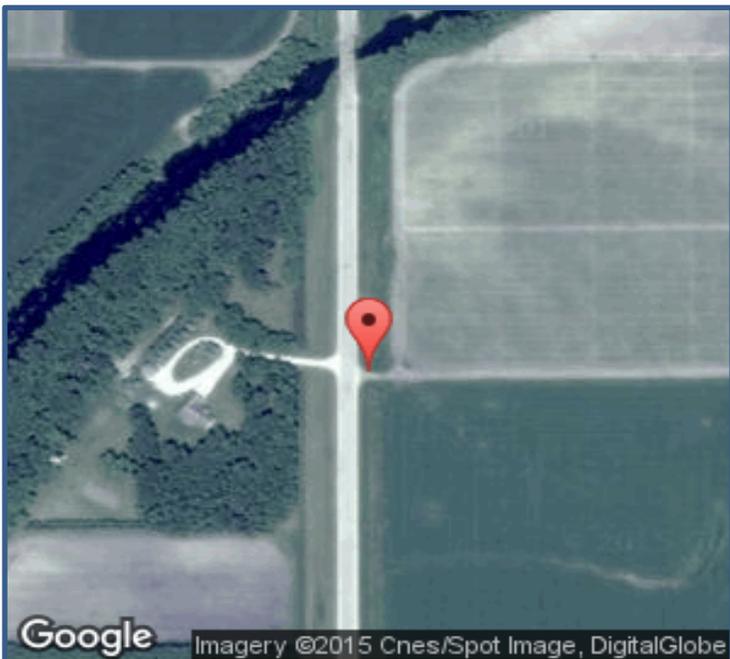
STATION PHOTOS



STATION ACCESS

From the intersection of PR 248 and PR 424 travel North 2.7 km on PR 248. The monument is located approx. 6.32 m East of the East edge of asphalt for PR 248 and 210 m South of the south end of the guard rail for the bridge.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	331	Latitude	49 11 29.41921 N	Ortho Height (H)	246.547 m
Datum	NAD83 (CSRS)	Longitude	97 39 45.58944 W	Ellip Height (h)	221.140 m
Geoid	HT2_0	Easting	597439.306 m	Geoid Sep (N)	-25.407 m
UTM Zone	14 N	Northing	5449605.664 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project PTH14.

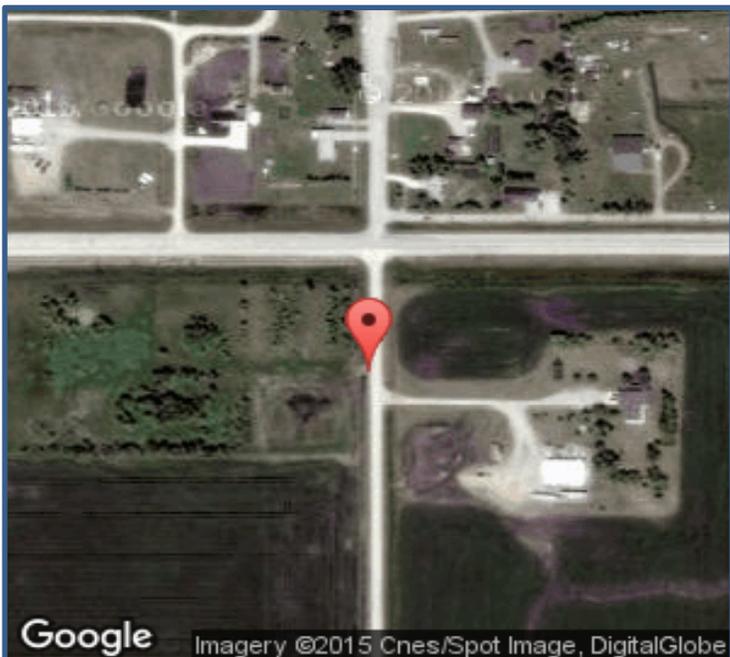
STATION PHOTOS



STATION ACCESS

From the intersection of PTH 14 and PR 332 travel 8.2 km West along PTH 14 to Road 9 West. The monument is located 3 m West of the West edge of gravel of Road 9 West and 85.5 m South of the South edge of asphalt of PTH 14 and is approx. 12.6 m Southeast of a Hydro pole.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	332	Latitude	49 57 38.43914 N	Ortho Height (H)	242.014 m
Datum	NAD83 (CSRS)	Longitude	97 31 02.29649 W	Ellip Height (h)	214.763 m
Geoid	HT2_0	Easting	606345.056 m	Geoid Sep (N)	-27.251 m
UTM Zone	14 N	Northing	5535312.240 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

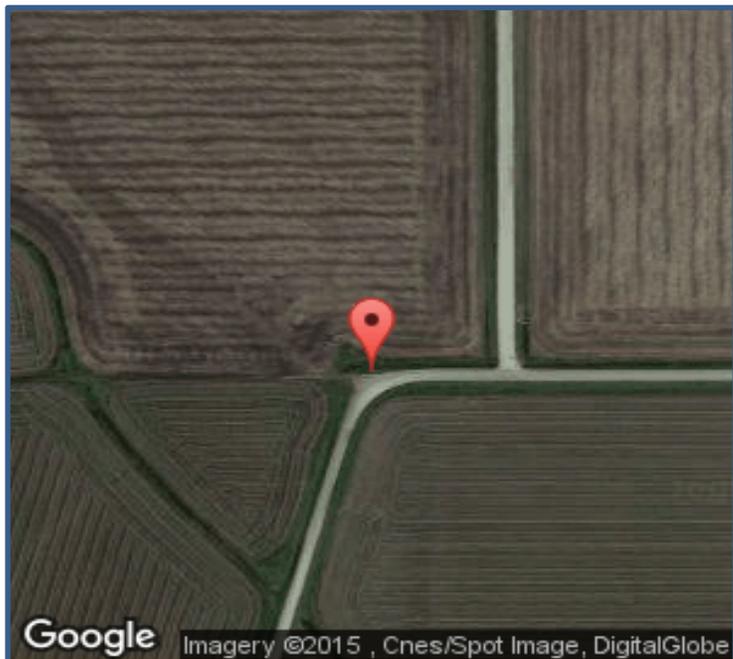
STATION PHOTOS



STATION ACCESS

From the intersection of PR 221 and PR 334 travel South 2.3 km on PR 334 to Farmer Road. Travel West on Farmer Road 6.7 km to the intersection of Farmer Road and Rosser Road. Travel West on Rosser Road 860 m until the road turns Southwest. The monument is located at the intersection of the straight production Northeast of the southeast edge of gravel of Rosser Road and the straight production West of the North edge of gravel of Rosser Road and is 18 m East of the hydro line.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	333	Latitude	49 43 28.16435 N	Ortho Height (H)	237.738 m
Datum	NAD83 (CSRS)	Longitude	97 27 31.77920 W	Ellip Height (h)	210.980 m
Geoid	HT2_0	Easting	611079.042 m	Geoid Sep (N)	-26.758 m
UTM Zone	14 N	Northing	5509138.898 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project South Assiniboine.

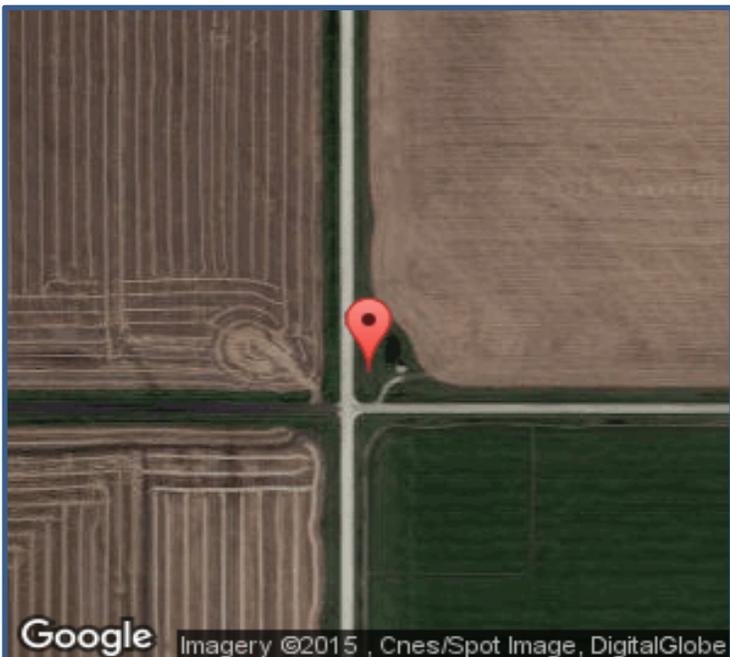
STATION PHOTOS



STATION ACCESS

From the West intersection of PR 334 and PR 247 travel North 4.9 km on PR 334 to Ferndale Road. The monument is located approx. 14.9 m East of the centerline of PR 334 and on a straight production Westerly of the South wall of the MTS shed and 9.1 m North of the MTS Pedestal.

STATION LOCATION MAPS



Control Station Information Sheet

Station ID	334	Latitude	50 22 15.86330 N	Ortho Height (H)	249.940 m
Datum	NAD83 (CSRS)	Longitude	96 05 54.14606 W	Ellip Height (h)	220.552 m
Geoid	HT2_0	Easting	706329.710 m	Geoid Sep (N)	-29.388 m
UTM Zone	14 N	Northing	5583915.123 m	Marker Height	0.000 m

MARK DESCRIPTION

Rebar Monument with B&D Cap. Surveyed for project Maple Creek Fall 2013.

STATION PHOTOS



STATION ACCESS

From the intersection of PTH 11 and PR 317 travel Northwest 5.3 km on PR 317 to Maple Creek Road. Travel North and East on Maple Creek Road 11.4 km to Lussier Road. The monument is located approx. 0.8 m East of the East edge of gravel of Maple Creek Road and approx. 17.5 m North of the centerline of Lussier Road and approx. 8.6 m West of Hydro pole numbered O-578-840.

STATION LOCATION MAPS

