



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/22/2013
Bench Mark:	GPS 1
Elevation:	5.906

LOOP 1
 CREW A LOOP 1

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.24610E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.022	Feet
Loop Closure	-0.004	Feet
Precision	1: 1,080,940	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
GPS_1	5.844	5.8435	154.922	11.750								5.906		GPS_1
TP-1	5.950	5.9495	160.827	12.819			4.880	4.8795	155.632	0.2%	310.554	6.870	6.870	TP-1
TP-2	5.206	5.2055	150.950	12.539			5.487	5.4865	156.780	1.3%	628.161	7.333	7.334	TP-2
TP-3	4.750	4.7495	152.558	11.667			5.621	5.6205	150.960	0.0%	930.071	6.918	6.919	TP-3
TP-4	5.724	5.7235	156.960	13.318			4.073	4.0725	151.555	0.3%	1234.184	7.595	7.596	TP-4
TP-5	4.575	4.5745	150.280	13.614			4.280	4.2795	156.283	0.2%	1547.427	9.039	9.040	TP-5
TP-6	3.699	3.6985	154.220	12.155			5.157	5.1566	147.585	0.9%	1845.292	8.457	8.459	TP-6
TBM01	5.255	5.2545	151.612	12.152			5.258	5.2575	151.573	0.9%	2151.085	6.898	6.900	TBM01
TP-7	5.231	5.2305	148.082	13.685			3.698	3.6975	154.218	0.9%	2456.915	8.455	8.457	TP-7
TP-8	3.969	3.9685	156.687	13.004			4.650	4.6495	149.943	0.6%	2754.940	9.036	9.039	TP-8
TP-9	3.737	3.7365	151.160	11.330			5.411	5.4105	156.730	0.0%	3068.357	7.594	7.597	TP-9
TP-10	5.307	5.3065	150.295	12.223			4.415	4.4145	152.862	0.6%	3372.379	6.916	6.919	TP-10
TP-11	5.404	5.4035	156.028	12.734			4.892	4.8915	151.662	0.5%	3674.336	7.331	7.334	TP-11
TP-12	4.837	4.8365	155.000	11.703			5.869	5.8685	161.775	1.8%	3992.139	6.866	6.870	TP-12
GPS_1							5.801	5.8005	155.115	0.0%	4302.254	5.902	5.906	GPS_1
Calculations		69.481	2,149.58					69.485	2,152.67		4,302.25			



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 Job No. 2139115.00C May 2013

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SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM* $\sqrt{\text{DIST}}(\text{KM})$
Instrument Error	2.24610E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.012	Feet
Loop Closure	-0.001	Feet
Precision	1: 2,369,121	

Date:	7/22/2013
Bench Mark:	TBM02
Elevation:	5.132

LOOP 3
 CREW A LOOP 3

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM02	4.640	4.6394	173.495	9.771								5.132		TBM02
TP-1	4.618	4.6174	167.380	9.782			4.607	4.6064	170.313	0.9%	343.808	5.165	5.165	TP-1
TP-2	4.370	4.3692	191.085	8.797			5.355	5.3544	168.498	0.3%	679.686	4.428	4.428	TP-2
DOW_MON_07	6.601	6.6009	82.677	9.047			6.352	6.3513	187.823	0.9%	1058.594	2.446	2.446	DOW_MON_07
TBM03	4.756	4.7558	85.385	9.045			4.758	4.7578	85.388	1.6%	1226.659	4.289	4.289	TBM03
TP-3	6.729	6.7283	187.947	9.174			6.599	6.5989	82.668	1.6%	1394.712	2.446	2.447	TP-3
TP-4	5.296	5.2954	169.568	9.722			4.748	4.7472	190.915	0.8%	1773.574	4.427	4.428	TP-4
TP-5	4.685	4.6844	171.607	9.849			4.558	4.5574	166.295	1.0%	2109.437	5.165	5.166	TP-5
TBM02							4.719	4.7184	172.205	0.2%	2453.249	5.131	5.132	TBM02
Calculations		41.691	1,229.14					41.692	1,224.11		2,453.25			



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Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
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Date:	7/23/2013
Bench Mark:	TBM04
Elevation:	3.720

LOOP 5
CREW A LOOP 5

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*\sqrt{DIST}(KM)
Instrument Error	2.22097E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.016	Feet
Loop Closure	0.001	Feet
Precision	1: 3,124,978	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM04	5.670	5.6694	166.385	9.389								3.720		TBM04
TP-1	4.578	4.5775	148.503	9.473			4.495	4.4945	160.608	1.8%	326.993	4.895	4.895	TP-1
TP-2	4.434	4.4335	153.927	9.393			4.514	4.5135	154.027	1.8%	629.523	4.959	4.959	TP-2
TP-3	4.351	4.3505	157.533	9.235			4.508	4.5075	151.378	0.8%	934.828	4.885	4.885	TP-3
TP-4	4.365	4.3645	157.693	9.229			4.371	4.3705	153.240	1.4%	1245.601	4.865	4.865	TP-4
TBM05	4.390	4.3895	154.412	9.230			4.389	4.3885	154.417	1.0%	1557.711	4.841	4.840	TBM05
TP-5	4.722	4.7215	153.845	9.585			4.367	4.3665	157.700	1.1%	1869.823	4.864	4.863	TP-5
TP-6	4.634	4.6335	150.980	9.518			4.702	4.7015	157.010	1.0%	2180.678	4.884	4.883	TP-6
TP-7	4.454	4.4535	154.528	9.413			4.559	4.5585	154.327	1.1%	2485.985	4.959	4.958	TP-7
TP-8	4.550	4.5495	160.217	9.445			4.517	4.5165	148.037	2.1%	2788.550	4.896	4.895	TP-8
TBM04							5.725	5.7244	166.755	2.0%	3115.522	3.721	3.720	TBM04
Calculations		46.143	1,558.02					46.142	1,557.50		3,115.52			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
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	Exceeds Tolerance

Date:	7/23/2013
Bench Mark:	TBM06
Elevation:	6.781

LOOP 7
 CREW A LOOP 7

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.22097E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.015	Feet
Loop Closure	-0.001	Feet
Precision	1: 3,000,720	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM06	4.488	4.4877	124.140	11.269								6.781		TBM06
LDOT_519	5.220	5.2198	88.380	12.848			3.641	3.6407	128.512	1.7%	252.652	7.628	7.628	LDOT_519
LDOT_518	4.385	4.3843	178.975	12.438			4.794	4.7938	86.188	1.3%	427.220	8.054	8.054	LDOT_518
LDOT_517	3.557	3.5566	134.380	10.975			5.021	5.0204	177.610	0.4%	783.805	7.418	7.418	LDOT_517
GGBM_MON_2	6.922	6.9219	55.508	9.536			8.361	8.3606	136.895	0.9%	1055.080	2.614	2.614	GGBM_MON_2
LDOT_516	4.500	4.4994	174.820	10.511			3.524	3.5239	49.832	5.4%	1160.420	6.012	6.012	LDOT_516
LDOT_515	4.705	4.7044	172.515	10.508			4.708	4.7074	172.510	0.7%	1507.750	5.804	5.804	LDOT_515
TP-1	4.862	4.8615	162.805	10.872			4.498	4.4974	174.860	0.7%	1855.125	6.011	6.012	TP-1
TP-2	4.990	4.9894	177.610	12.408			3.454	3.4534	164.808	0.6%	2182.738	7.419	7.420	TP-2
TP-3	4.609	4.6088	86.742	12.664			4.354	4.3533	179.177	0.4%	2539.525	8.055	8.056	TP-3
TP-4	3.704	3.7037	128.713	11.333			5.035	5.0348	87.827	0.6%	2714.094	7.629	7.630	TP-4
TBM06							4.553	4.5527	124.013	1.9%	2966.820	6.780	6.781	TBM06
Calculations		51.937	1,484.59					51.938	1,482.23		2,966.82			



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 Job No. 2139115.00C May 2013

Data Entry Fields
 Calculated Fields
 Exceeds Tolerance

Date:	7/23/2013
Bench Mark:	LADOT 515
Elevation:	5.804

LOOP 8
 CREW A LOOP 8

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.22097E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.017	Feet
Loop Closure	0.000	Feet
Precision	1: 295,909,091	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_515	6.318	6.3175	152.235	12.122								5.804		LADOT_515
TP-1	3.992	3.9919	81.357	10.765			5.349	5.3485	154.167	0.6%	306.402	6.773	6.773	TP-1
LADOT_514	3.790	3.7895	157.283	10.288			4.267	4.2669	83.267	1.2%	471.026	6.498	6.498	LADOT_514
TP-2	4.037	4.0364	164.555	10.572			3.752	3.7515	160.420	1.0%	788.729	6.536	6.536	TP-2
LADOT_513	4.425	4.4245	152.835	10.536			4.462	4.4614	167.715	1.0%	1120.999	6.111	6.111	LADOT_513
TP-3	4.241	4.2406	134.123	10.485			4.292	4.2915	156.640	1.2%	1430.474	6.244	6.244	TP-3
LADOT_507	4.025	4.0246	136.822	10.464			4.046	4.0456	136.730	1.0%	1701.327	6.439	6.439	LADOT_507
TP-4	4.054	4.0535	157.390	10.298			4.220	4.2196	134.055	1.0%	1972.204	6.244	6.244	TP-4
TP-5	4.311	4.3104	167.640	10.421			4.187	4.1865	152.115	1.7%	2281.709	6.111	6.111	TP-5
TP-6	3.872	3.8715	160.133	10.407			3.887	3.8864	164.473	1.0%	2613.822	6.535	6.535	TP-6
TP-7	4.056	4.0559	83.600	10.552			3.911	3.9105	157.520	0.8%	2931.475	6.496	6.496	TP-7
TP-8	4.854	4.8535	154.348	11.626			3.780	3.7799	81.000	1.6%	3096.075	6.772	6.772	TP-8
LADOT_515							5.822	5.8215	152.053	0.7%	3402.476	5.804	5.804	LADOT_515
Calculations		51.970	1,702.32					51.970	1,700.16		3,402.48			



Digital Level Adjustment Report

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Job No. 2139115.00C May 2013

 Data Entry Fields
 Calculated Fields
 Exceeds Tolerance

Date:	7/24/2013
Bench Mark:	LADOT_506
Elevation:	6.638

LOOP 10
CREW A LOOP 10

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.64435E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.011	Feet
Loop Closure	0.001	Feet
Precision	1: 2,210,320	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_506	3.442	3.4416	132.792	10.080								6.638		LADOT_506
LADOT_511	3.916	3.9159	70.653	10.420			3.576	3.5757	129.893	1.1%	262.685	6.504	6.504	LADOT_511
ENRON_MON4	7.263	7.2628	98.352	10.366			7.317	7.3169	71.938	0.9%	405.276	3.103	3.103	ENRON_MON4
LADOT_505	3.832	3.8315	151.052	10.200			3.998	3.9978	101.610	1.6%	605.238	6.368	6.368	LADOT_505
TP-1	4.551	4.5508	94.032	11.031			3.720	3.7195	150.333	0.2%	906.623	6.480	6.480	TP-1
LADOT_504	4.233	4.2328	95.980	11.018			4.246	4.2458	96.025	1.0%	1096.680	6.785	6.785	LADOT_504
TP-2	3.880	3.8795	151.035	10.360			4.538	4.5378	94.078	1.0%	1286.738	6.480	6.479	TP-2
TP-3	3.994	3.9934	164.822	10.361			3.992	3.9915	150.303	0.2%	1588.076	6.368	6.367	TP-3
TP-4	3.663	3.6627	130.380	10.168			3.857	3.8565	162.202	0.8%	1915.100	6.505	6.504	TP-4
LADOT_506							3.529	3.5286	132.235	0.7%	2177.715	6.639	6.638	LADOT_506
Calculations		38.771	1,089.10					38.770	1,088.62		2,177.72			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/24/2013
Bench Mark:	LADOT_514
Elevation:	6.498

LOOP 13
CREW B LOOP 1

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.56695E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.005	Feet
Loop Closure	0.004	Feet
Precision	1: 235,700	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_514	2.069	2.0688	106.043	8.567								6.498		LADOT_514
NSDMW_014	5.566	5.5652	190.908	9.245			4.887	4.8868	104.847	0.6%	210.890	3.680	3.679	NSDMW_014
NSDMW_013	5.286	5.2854	173.943	9.387			5.144	5.1432	197.802	1.8%	599.600	4.102	4.099	NSDMW_013
LADOT_514							2.886	2.8855	162.753	3.3%	936.296	6.502	6.498	LADOT_514
Calculations		12.919	470.89					12.915	465.40		936.30			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/24/2013
Bench Mark:	LADOT 519
Elevation:	7.628

LOOP 14
CREW B LOOP 2

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM* $\sqrt{DIST(KM)}$
Instrument Error	1.56695E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.005	Feet
Loop Closure	-0.001	Feet
Precision	1: 1,058,488	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_519	3.140	3.1398	104.503	10.768								7.628		LADOT_519
NSDMW_011	5.208	5.2076	132.960	7.751			8.225	8.2248	103.775	0.3%	208.278	2.543	2.543	NSDMW_011
TP-1	5.614	5.6139	54.535	7.985			5.380	5.3796	137.308	1.6%	478.546	2.371	2.371	TP-1
NSDMW_012	5.240	5.2399	57.085	7.988			5.237	5.2369	57.087	2.3%	590.168	2.748	2.749	NSDMW_012
TP-2	5.602	5.6018	109.935	7.974			5.616	5.6159	54.560	2.3%	701.813	2.372	2.373	TP-2
TP-3	7.330	7.3299	64.377	11.544			3.760	3.7598	99.668	4.9%	911.416	4.214	4.215	TP-3
LADOT_519							3.917	3.9169	74.990	7.6%	1050.783	7.627	7.628	LADOT_519
Calculations		32.133	523.40					32.134	527.39		1,050.78			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/25/2013
Bench Mark:	TBM07
Elevation:	4.520

LOOP 16
CREW A LOOP 14

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.12892E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.009	Feet
Loop Closure	-0.001	Feet
Precision	1: 1,728,482	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM07	7.160	7.1598	88.392	11.680								4.520		TBM07
LADOT_525	5.912	5.9112	193.045	13.507			4.084	4.0839	85.082	1.9%	173.474	7.596	7.596	LADOT_525
LADOT_526	3.333	3.3325	149.030	12.015			4.826	4.8252	192.735	0.1%	559.254	8.682	8.682	LADOT_526
TBM08	7.429	7.4285	152.385	12.001			7.443	7.4425	152.418	1.1%	860.702	4.572	4.573	TBM08
TP-1	4.512	4.5112	192.495	13.193			3.319	3.3185	149.055	1.1%	1162.142	8.682	8.683	TP-1
TP-2	4.094	4.0939	85.002	11.689			5.599	5.5982	193.250	0.2%	1547.887	7.595	7.596	TP-2
TBM07							7.170	7.1698	88.390	2.0%	1721.279	4.519	4.520	TBM07
Calculations		32.437	860.35					32.438	860.93		1,721.28			



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Job No. 2139115.00C May 2013

Legend table with 3 rows: Data Entry Fields (yellow), Calculated Fields (grey), Exceeds Tolerance (red)

SETTINGS table with 2 columns: Parameter (Order, Class, Allowable Error, Instrument Error, Min. Rod Reading, Max. Sight Length, BS-FS Length (Set), BS-FS Length (Loop), Allowable Misclosure, Loop Closure, Precision) and Value (First, II, 5, 1.12892E-05, 1.64, 150, 16.404, 32.808, 0.007, -0.003, 1: 446,555)

Summary table with 2 columns: Field (Date, Bench Mark, Elevation) and Value (7/25/2013, TBM08, 4.573)

LOOP 17
CREW A LOOP 15

Main data table with 15 columns: Station, BS(+), C.R. Adj. BS Reading, BS Dist, HI, IS(-), IS Dist, FS(-), C.R. Adj. FS Reading, FS Dist, BS-FS Length Diff., Cumulative Dist, Elev, Adj. Elevation, Desc. Rows include TBM08, NSDMW003, TP-1, NSDORW03, TP-2, NSDMW005, TBM08, and a Calculations summary row.



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/25/2013
Bench Mark:	LADOT_524
Elevation:	7.650

LOOP 20
CREW A LOOP 18

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.12892E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.001	Feet
Loop Closure	0.001	Feet
Precision	1: 290,217	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_524	3.083	3.0829	67.318	10.733								7.650		LADOT_524
GP_06	5.128	5.1279	77.793	10.733			5.128	5.1279	77.772	7.2%	145.090	5.605	5.604	GP_06
LADOT_524							3.082	3.0819	67.302	7.2%	290.185	7.651	7.650	LADOT_524
Calculations		8.211	145.11					8.210	145.07		290.19			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM* $\sqrt{\text{DIST}}(\text{KM})$
Instrument Error	1.51972E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.013	Feet
Loop Closure	-0.003	Feet
Precision	1: 844,313	

Date:	7/25/2013
Bench Mark:	LADOT_507
Elevation:	6.439

LOOP 21
CREW B LOOP 3

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_507	5.140	5.1395	157.088	11.578								6.439		LADOT_507
ENRON_MON1	6.446	6.4456	142.718	8.463			9.562	9.5616	146.762	3.4%	303.850	2.017	2.017	ENRON_MON1
TP-1	5.583	5.5826	145.665	8.509			5.536	5.5357	129.220	5.0%	575.788	2.927	2.928	TP-1
TP-2	6.119	6.1182	193.245	9.202			5.426	5.4256	143.660	0.7%	865.113	3.084	3.085	TP-2
ENRON_MON2	7.399	7.3981	206.328	9.203			7.398	7.3971	206.357	3.3%	1264.715	1.805	1.807	ENRON_MON2
TBM1A	5.462	5.4616	143.940	8.545			6.120	6.1192	193.283	3.3%	1664.326	3.084	3.086	TBM1A
TP-3	5.483	5.4827	129.447	8.410			5.619	5.6186	145.623	0.6%	1953.889	2.927	2.929	TP-3
TP-4	9.496	9.4956	146.625	11.511			6.394	6.3936	142.593	4.8%	2225.929	2.016	2.019	TP-4
LADOT_507							5.076	5.0755	157.920	3.7%	2530.474	6.436	6.439	LADOT_507
Calculations		51.124	1,265.06					51.127	1,265.42		2,530.47			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/25/2013
Bench Mark:	TBM1A
Elevation:	3.086

LOOP 22
 CREW B LOOP 4

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.51972E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.012	Feet
Loop Closure	-0.005	Feet
Precision	1: 496,572	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM1A	5.462	5.4614	167.843	8.547								3.086		TBM1A
TP-1	5.217	5.2165	160.588	8.708			5.056	5.0554	166.227	0.5%	334.070	3.492	3.493	TP-1
TP-2	5.014	5.0138	86.615	8.419			5.304	5.3034	165.572	1.5%	660.230	3.405	3.406	TP-2
RAWMAKEWELL1	4.535	4.5347	115.462	8.545			4.409	4.4089	80.293	3.8%	827.138	4.010	4.012	RAWMAKEWELL1
TP-3	5.172	5.1718	92.522	8.803			4.914	4.9137	123.768	3.5%	1066.368	3.631	3.633	TP-3
BRIDGELINE_MON2	6.513	6.5129	84.245	8.804			6.512	6.5119	84.228	4.7%	1243.118	2.291	2.294	BRIDGELINE_MON2
TBM2A	4.814	4.8134	172.448	8.444			5.173	5.1728	92.515	4.7%	1419.878	3.631	3.634	TBM2A
TP-4	5.276	5.2754	166.458	8.677			5.044	5.0433	185.385	3.6%	1777.711	3.401	3.405	TP-4
TP-5	5.056	5.0554	166.148	8.544			5.189	5.1885	159.753	2.1%	2103.922	3.488	3.492	TP-5
TBM1							5.463	5.4624	166.395	0.1%	2436.465	3.081	3.086	TBM1
Calculations		47.055	1,212.33					47.060	1,224.14		2,436.47			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.51972E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.010	Feet
Loop Closure	0.003	Feet
Precision	1: 678,751	

Date:	7/25/2013
Bench Mark:	BRIDGELINE_MON2
Elevation:	2.294

LOOP 24
 CREW B LOOP 6

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
BRIDGELINE_MON2	6.483	6.4825	150.653	8.777								2.294		BRIDGELINE_MON2
TP-1	5.422	5.4219	74.645	9.029			5.170	5.1696	142.927	2.6%	293.580	3.607	3.607	TP-1
ENRONSTORAGEWEL1	2.066	2.0657	128.010	8.391			2.704	2.7039	81.100	4.1%	449.325	6.325	6.324	ENRONSTORAGEWEL1
BRIDGELINE_MON3	5.513	5.5127	116.382	8.395			5.509	5.5087	116.432	4.7%	693.767	2.882	2.881	BRIDGELINE_MON3
TP-2	4.958	4.9575	148.948	8.697			4.655	4.6548	110.108	2.8%	920.257	3.740	3.738	TP-2
BRIDGELINE_MON4	4.502	4.5015	155.090	8.700			4.499	4.4985	155.093	2.0%	1224.298	4.199	4.197	BRIDGELINE_MON4
TP-3	5.102	5.1018	87.743	8.843			4.960	4.9595	148.935	2.0%	1528.323	3.741	3.739	TP-3
TP-4	5.221	5.2206	142.743	8.830			5.233	5.2328	91.148	1.9%	1707.214	3.610	3.607	TP-4
BRIDGELINE_MON2							6.534	6.5335	150.812	2.7%	2000.769	2.297	2.294	BRIDGELINE_MON2
Calculations		39.264	1,004.21					39.261	996.56		2,000.77			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

Data Entry Fields
 Calculated Fields
 Exceeds Tolerance

Date:	7/25/2013
Bench Mark:	LADOT_505
Elevation:	6.368

LOOP 25
CREW B LOOP 7

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.51972E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.007	Feet
Loop Closure	0.000	Feet
Precision	1: 41,459,907	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_505	4.995	4.9949	59.610	11.363								6.368		LADOT_505
OXY_MON5	9.618	9.6175	161.838	11.953			9.027	9.0269	69.648	7.8%	129.258	2.336	2.336	OXY_MON5
TP-1	3.815	3.8147	124.063	11.493			4.276	4.2755	158.897	0.9%	449.993	7.678	7.678	TP-1
OXY_MON4	9.343	9.3427	118.203	11.495			9.341	9.3407	118.218	2.4%	692.274	2.152	2.152	OXY_MON4
TP-2	4.172	4.1715	160.582	11.848			3.818	3.8177	124.027	2.4%	934.504	7.677	7.677	TP-2
LADOT_505	8.962	8.9619	71.552	11.298			9.513	9.5125	160.023	0.2%	1255.109	2.336	2.336	TP-3
LADOT_505							4.930	4.9299	57.692	10.7%	1384.353	6.368	6.368	LADOT_505
Calculations		40.903	695.85					40.903	688.51		1,384.35			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/26/2013
Bench Mark:	LADOT 524
Elevation:	7.650

LOOP 26
 CREW A LOOP 19

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.14869E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.026	Feet
Loop Closure	-0.002	Feet
Precision	1: 2,557,474	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_524	3.268	3.2675	153.255	10.918								7.650		LADOT_524
TP-1	4.630	4.6296	130.767	9.105			6.443	6.4425	153.995	0.2%	307.250	4.475	4.475	TP-1
TP-2	5.587	5.5866	147.145	9.840			4.852	4.8516	130.462	0.1%	568.479	4.253	4.253	TP-2
TP-3	4.905	4.9045	150.068	9.649			5.096	5.0956	146.283	0.3%	861.907	4.744	4.744	TP-3
TP-4	4.397	4.3965	151.863	8.952			5.094	5.0935	152.135	0.7%	1164.110	4.555	4.555	TP-4
GP_02	4.465	4.4646	145.035	8.952			4.465	4.4646	145.040	2.3%	1461.013	4.487	4.488	GP_02
TP-5	5.032	5.0315	152.903	9.586			4.398	4.3975	151.860	2.3%	1757.908	4.554	4.555	TP-5
TP-6	5.014	5.0136	145.683	9.758			4.842	4.8415	149.367	1.2%	2060.178	4.744	4.745	TP-6
TP-7	4.129	4.1285	156.567	8.381			5.505	5.5046	147.820	0.7%	2353.681	4.253	4.254	TP-7
TP-8	5.279	5.2786	145.415	9.762			3.899	3.8985	155.542	0.3%	2665.790	4.483	4.484	TP-8
TP-9	4.071	4.0704	164.707	9.055			4.777	4.7765	149.058	1.2%	2960.263	4.985	4.986	TP-9
TP-10	4.757	4.7569	81.495	8.975			4.838	4.8375	160.400	1.3%	3285.370	4.218	4.219	TP-10
GP_01	5.265	5.2649	84.102	8.974			5.266	5.2659	84.095	1.6%	3450.960	3.709	3.710	GP_01
TP-11	4.552	4.5515	160.088	8.768			4.757	4.7569	81.500	1.6%	3616.562	4.217	4.218	TP-11
TP-12	4.668	4.6675	149.348	9.651			3.786	3.7854	164.882	1.5%	3941.532	4.983	4.985	TP-12
TP-13	3.604	3.6035	154.940	8.084			5.170	5.1696	144.950	1.5%	4235.830	4.481	4.483	TP-13
TP-14	4.898	4.8976	131.478	9.148			3.835	3.8345	157.025	0.7%	4547.795	4.250	4.252	TP-14
TP-15	6.701	6.7005	153.455	11.173			4.676	4.6757	129.818	0.6%	4809.091	4.472	4.474	TP-15
LADOT_524							3.525	3.5245	153.667	0.1%	5116.213	7.648	7.650	LADOT_524
Calculations		85.214	2,558.31					85.216	2,557.90		5,116.21			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/26/2013
Bench Mark:	LADOT_522
Elevation:	7.255

LOOP 27
 CREW A LOOP 20

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.14869E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.003	Feet
Loop Closure	0.000	Feet
Precision	1: 4,832,052,400	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_522	2.035	2.0345	149.382	9.290								7.255		LADOT_522
GP_04	4.807	4.8065	151.320	9.286			4.811	4.8105	151.302	0.6%	300.684	4.479	4.479	GP_04
LADOT_522							2.031	2.0305	149.380	0.6%	601.384	7.255	7.255	LADOT_522
Calculations		6.841	300.70					6.841	300.68		601.38			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.14869E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.010	Feet
Loop Closure	0.001	Feet
Precision	1: 1,926,998	

Date:	7/26/2013
Bench Mark:	LADOT_500
Elevation:	7.010

LOOP 28
 CREW A LOOP 21

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_500	3.249	3.2485	151.040	10.259								7.010		LADOT_500
GP_03	5.866	5.8656	139.077	10.857			5.268	5.2676	146.605	1.5%	297.645	4.991	4.991	GP_03
TP-1	4.160	4.1596	131.702	8.419			6.598	6.5976	140.533	0.5%	577.255	4.259	4.259	TP-1
TBM09	4.627	4.6269	57.660	9.793			3.253	3.2526	134.645	1.1%	843.602	5.166	5.166	TBM09
NSDMW017	5.486	5.4859	62.500	9.784			5.495	5.4949	62.488	4.0%	963.750	4.298	4.297	NSDMW017
TP-2	3.193	3.1926	134.333	8.360			4.617	4.6169	57.633	4.1%	1083.883	5.167	5.166	TP-2
TP-3	6.510	6.5096	140.852	10.770			4.100	4.0996	132.127	0.8%	1350.343	4.260	4.259	TP-3
TP-4	4.879	4.8786	146.487	10.035			5.614	5.6136	138.592	0.8%	1629.787	5.156	5.155	TP-4
LADOT_500							3.024	3.0235	151.063	1.5%	1927.337	7.011	7.010	LADOT_500
Calculations		37.967	963.65					37.966	963.69		1,927.34			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/26/2013
Bench Mark:	TBM3A
Elevation:	5.670

LOOP 30
CREW B LOOP 9

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.56445E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.012	Feet
Loop Closure	0.001	Feet
Precision	1: 2,411,343	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM3A	5.826	5.8258	109.720	11.496								5.670		TBM3A
OXYGEISMARWELL2	1.276	1.2758	103.880	11.496			1.276	1.2758	103.858	2.7%	213.578	10.220	10.220	OXYGEISMARWELL2
TP-1	5.678	5.6780	47.720	11.986			5.188	5.1878	101.490	1.2%	418.948	6.308	6.308	TP-1
OGRW2	4.423	4.4228	99.722	11.072			5.337	5.3369	51.367	3.7%	518.035	6.649	6.649	OGRW2
TP-2	5.772	5.7717	124.130	11.725			5.119	5.1188	105.200	2.7%	722.957	5.953	5.953	TP-2
TP-3	4.436	4.4360	36.860	10.273			5.888	5.8876	131.485	2.9%	978.572	5.837	5.837	TP-3
AR_10	4.900	4.8999	70.822	10.700			4.473	4.4730	40.278	4.4%	1055.710	5.800	5.800	AR_10
TRANSDUCER	5.697	5.6969	67.242	10.696			5.701	5.7009	67.258	2.6%	1193.790	4.999	4.999	TRANSDUCER
OXYGEISMAR3	5.561	5.5609	66.067	10.696			5.561	5.5609	66.072	0.9%	1327.104	5.135	5.134	OXYGEISMAR3
AR_20	5.239	5.2389	82.900	10.651			5.284	5.2839	67.775	1.3%	1460.946	5.412	5.411	AR_20
TP-4	5.833	5.8326	131.840	11.671			4.813	4.8129	78.950	2.4%	1622.796	5.838	5.837	TP-4
TP-5	5.439	5.4387	129.365	11.392			5.718	5.7177	123.888	3.1%	1878.524	5.953	5.952	TP-5
TP-6	5.213	5.2128	99.828	11.522			5.083	5.0827	122.070	2.9%	2129.959	6.309	6.308	TP-6
TBM3A							5.851	5.8508	107.292	3.6%	2337.079	5.671	5.670	TBM3A
Calculations		65.291	1,170.10					65.290	1,166.98		2,337.08			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/26/2013
Bench Mark:	TBM3A
Elevation:	5.670

LOOP 31
CREW B LOOP 10

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	1.56445E-04	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.011	Feet
Loop Closure	0.003	Feet
Precision	1: 763,577	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM3A	6.296	6.2955	163.378	11.965								5.670		TBM3A
TP-1	4.647	4.6467	126.952	12.094			4.519	4.5185	161.607	0.5%	324.985	7.447	7.447	TP-1
TP-2	4.152	4.1518	102.985	11.293			4.953	4.9527	129.602	1.0%	581.539	7.141	7.140	TP-2
OXY_MON3	8.789	8.7888	106.873	11.287			8.795	8.7948	106.852	1.8%	791.376	2.498	2.497	OXY_MON3
TP-3	5.038	5.0376	132.220	12.175			4.150	4.1498	102.985	1.9%	1001.234	7.137	7.136	TP-3
OXY_WELL9	4.399	4.3990	40.335	12.076			4.498	4.4977	125.450	2.6%	1258.904	7.677	7.675	OXY_WELL9
AR_17	7.204	7.2036	142.977	11.989			7.291	7.2910	36.715	4.7%	1335.954	4.785	4.783	AR_17
TBM4A	5.041	5.0407	130.143	12.184			4.846	4.8457	126.932	5.9%	1605.863	7.143	7.141	TBM4A
TP-4	4.485	4.4845	161.392	11.933			4.735	4.7347	126.482	1.4%	1862.488	7.449	7.446	TP-4
TBM3A							6.261	6.2605	163.253	0.6%	2187.133	5.673	5.670	TBM3A
Calculations		50.048	1,107.26					50.045	1,079.88		2,187.13			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.77209E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.012	Feet
Loop Closure	0.002	Feet
Precision	1: 1,215,423	

Date:	7/29/2013
Bench Mark:	TBM09
Elevation:	5.166

LOOP 33
 CREW A LOOP 22

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
TBM09	4.642	4.6420	39.690	9.808								5.166		TBM09
NSDORW022	1.101	1.1010	34.435	9.807			1.102	1.1020	34.450	7.1%	74.140	8.706	8.706	NSDORW022
TP-1	4.721	4.7206	146.555	9.696			4.832	4.8320	33.240	1.8%	141.815	4.975	4.975	TP-1
TP-2	4.977	4.9767	123.698	9.330			5.343	5.3426	145.938	0.2%	434.308	4.353	4.353	TP-2
NSDORW023	1.014	1.0137	116.610	9.327			1.017	1.0167	116.572	3.0%	674.578	8.313	8.312	NSDORW023
TP-3	4.589	4.5885	154.565	9.243			4.672	4.6717	115.908	0.3%	907.096	4.655	4.654	TP-3
TP-4	4.968	4.9679	76.455	9.582			4.630	4.6295	152.400	0.7%	1214.061	4.614	4.613	TP-4
NSDORW024	0.496	0.4959	81.130	9.581			0.497	0.4969	81.138	3.0%	1371.654	9.085	9.084	NSDORW024
TP-5	4.725	4.7245	152.300	9.339			4.966	4.9659	76.460	3.0%	1529.244	4.615	4.614	TP-5
TP-6	4.758	4.7577	115.770	9.415			4.683	4.6825	154.665	0.8%	1836.209	4.657	4.655	TP-6
TP-7	5.499	5.4986	145.510	9.853			5.061	5.0607	123.770	3.3%	2075.749	4.354	4.352	TP-7
TP-8	5.100	5.1000	32.780	10.076			4.877	4.8766	146.935	0.5%	2368.194	4.976	4.974	TP-8
TBM09							4.908	4.9080	40.198	10.2%	2441.172	5.168	5.166	TBM09
Calculations		46.587	1,219.50					46.585	1,221.67		2,441.17			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/29/2013
Bench Mark:	LADOT_502
Elevation:	6.731

LOOP 34
CREW A LOOP 23

SETTINGS	
Order	First
Class	II
Allowable Error	5 MM*√DIST(KM)
Instrument Error	2.77209E-05 Feet
Min. Rod Reading	1.64 Feet
Max. Sight Length	150 Feet
BS-FS Length (Set)	16.404 Feet
BS-FS Length (Loop)	32.808 Feet
Allowable Misclosure	0.008 Feet
Loop Closure	-0.002 Feet
Precision	1: 828,148

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_502	2.520	2.5198	93.047	9.251								6.731		LADOT_502
NSDMW008	5.506	5.5059	58.258	9.315			5.442	5.4418	89.745	1.8%	182.792	3.809	3.809	NSDMW008
NSDORW015	1.916	1.9154	175.253	9.197			2.033	2.0329	57.120	1.0%	298.170	7.282	7.282	NSDORW015
NSDMW007	5.433	5.4325	157.662	9.392			5.238	5.2374	172.055	0.9%	645.478	3.960	3.961	NSDMW007
NSDORW02	1.094	1.0935	160.908	9.375			1.111	1.1105	160.953	1.0%	964.093	8.282	8.283	NSDORW02
TP-1	4.421	4.4205	150.543	9.784			4.013	4.0125	160.693	0.1%	1285.694	5.363	5.365	TP-1
TP-2	4.848	4.8479	50.737	9.220			5.412	5.4116	146.885	1.2%	1583.122	4.372	4.374	TP-2
LADOT_502							2.491	2.4909	52.555	1.8%	1686.414	6.729	6.731	LADOT_502
Calculations		25.736	846.41					25.738	840.01		1,686.41			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/29/2013
Bench Mark:	LADOT_503
Elevation:	6.831

LOOP 35
CREW A LOOP 24

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*√DIST(KM)
Instrument Error	2.77209E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.007	Feet
Loop Closure	0.000	Feet
Precision	1: 247,046,325	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_503	2.037	2.0366	131.485	8.868								6.831		LADOT_503
NSDMW010	4.741	4.7409	76.655	8.895			4.714	4.7137	129.835	0.6%	261.320	4.154	4.154	NSDMW010
NSDORW001	1.132	1.1319	79.485	8.892			1.135	1.1349	79.447	1.8%	417.422	7.760	7.760	NSDORW001
TP-1	5.059	5.0585	149.230	9.804			4.147	4.1469	77.565	1.2%	574.472	4.745	4.745	TP-1
NSDMW009	5.364	5.3635	148.402	9.804			5.364	5.3635	148.375	0.3%	872.077	4.440	4.440	NSDMW009
TP-2	5.534	5.5337	111.883	10.279			5.059	5.0585	149.203	0.3%	1169.682	4.745	4.745	TP-2
LADOT_503							3.448	3.4477	112.057	0.1%	1393.622	6.831	6.831	LADOT_503
Calculations		23.865	697.14					23.865	696.48		1,393.62			



Digital Level Adjustment Report

Fenstermaker, LLC Subsidence Survey Bayou Corne
 Job No. 2139115.00C May 2013

	Data Entry Fields
	Calculated Fields
	Exceeds Tolerance

Date:	7/29/2013
Bench Mark:	LADOT 523
Elevation:	9.524

LOOP 36
 CREW A LOOP 25

SETTINGS		
Order	First	
Class	II	
Allowable Error	5	MM*\sqrt{DIST}(KM)
Instrument Error	2.77209E-05	Feet
Min. Rod Reading	1.64	Feet
Max. Sight Length	150	Feet
BS-FS Length (Set)	16.404	Feet
BS-FS Length (Loop)	32.808	Feet
Allowable Misclosure	0.012	Feet
Loop Closure	0.001	Feet
Precision	1: 2,495,225	

Station	BS(+)	C.R. Adj. BS Reading	BS Dist	HI	IS(-)	IS Dist	FS(-)	C.R. Adj. FS Reading	FS Dist	BS-FS Length Diff.	Cumulative Dist	Elev	Adj. Elevation	Desc
LADOT_523	0.726	0.7255	150.432	10.250								9.524		LADOT_523
TP-1	5.141	5.1404	170.245	10.114			5.276	5.2755	153.218	0.9%	303.650	4.974	4.974	TP-1
TP-2	4.330	4.3296	141.160	9.532			4.913	4.9124	170.883	0.2%	644.778	5.202	5.202	TP-2
GP_05	4.601	4.6005	148.140	9.523			4.610	4.6095	148.158	2.4%	934.096	4.922	4.922	GP_05
TP-3	4.314	4.3136	141.180	9.516			4.321	4.3206	141.180	2.4%	1223.416	5.202	5.202	TP-3
BM_05	4.550	4.5495	153.303	9.511			4.555	4.5545	153.312	4.1%	1517.908	4.961	4.960	BM_05
TP-4	4.911	4.9104	171.730	10.112			4.309	4.3086	141.197	4.1%	1812.408	5.202	5.201	TP-4
TP-5	5.312	5.3115	153.278	10.288			5.137	5.1364	168.970	0.8%	2153.108	4.976	4.975	TP-5
LADOT_523							0.763	0.7625	150.343	1.0%	2456.729	9.525	9.524	LADOT_523
Calculations		33.881	1,229.47					33.880	1,227.26		2,456.73			

