October 1, 2020

Girish Desai, P.E.
New York State Department of Environmental Conservation
50 Circle Road
Stony Brook, New York 11790

Re: SSDS Vacuum Monitoring Summary
Third Quarter 2020
Bulova Watch Factory Site No. 152139
15 Church Street, Village of Sag Harbor, New York

Dear Mr. Desai:

On behalf of the Watchcase Factory Condominium, Roux Environmental Engineering and Geology, D.P.C. (Roux), is submitting this letter report summarizing the results of the sub-slab depressurization system (SSDS) monitoring activities performed at the Bulova Watch Factory Site No. 152139, 15 Church Street, Village of Sag Harbor, New York (Site) during the Third Quarter of 2020. SSDS monitoring activities were conducted to confirm that the system is performing as designed in accordance with the January 27, 2009 Site Management Plan (SMP), the May 7, 2012 SMP Addendum No. 1, the October 2017 SMP Addendum No. 2, and the January 20, 2015 Operation, Maintenance, and Monitoring (OM&M) Plan submitted to the New York State Department of Environmental Conservation (NYSDEC). A brief description of SSDS operations and monitoring results during the Third Quarter 2020 reporting period are provided below.

SSDS

The SSDS consists of a two-blower system in the former factory building (Factory Building SSDS) and a separate one-blower system beneath the garage (Garage SSDS). The Factory Building SSDS consists of five vapor-collection piping legs (zones 1 through 5) beneath the former factory building and two monitoring points associated with each vapor-collection piping leg (MP1-1 through MP5-2). The locations of each piping leg and monitoring point for the Factory Building SSDS are depicted on the as-built drawing attached as Plate 1. The Garage SSDS consists of one vapor-collection piping leg beneath the garage with three monitoring points (MP6-1 through MP6-3) and one vapor-collection piping leg around the perimeter of the garage with one monitoring point (MP7-1). The locations of each piping leg and monitoring point for the Garage SSDS are depicted on the as-built drawing attached as Plate 2. Vacuum readings for each piping leg were collected at the SSDS monitoring points.

The Factory Building and Garage SSDSs are required to maintain a minimum vacuum of 0.004 inches of water column (in. w.c.)[1]. The SSDSs are equipped with visual and electronic monitoring devices to verify performance within the required range of vacuum. Each individual SSDS leg is equipped with a vacuum gauge and a data logger, which are designed to record vacuum readings down to 0.001 in. w.c. Each data logger displays a digital readout to provide real-time indications that the system is operating properly and records the most recent three months of vacuum readings for reference, if necessary. An electronic auto-dialer will automatically contact Roux personnel, building management, and/or maintenance staff in the event that a system interruption occurs.

[1] Vacuum readings were previously reported in negative pressure and were shown as a negative value. This was corrected by reporting vacuum readings as a positive value.

209 Shafter Street ■ Islandia, New York 11749 ■ +1.631.232.2600 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas

Quarterly SSDS Inspection and Monitoring

Third Quarter 2020 SSDS inspection and monitoring activities were performed on September 16, 2020. In addition to visual inspections of the SSDS mechanical and above-grade piping components, the following parameters were monitored:

- Vacuum/pressure and air flow readings at the blower inlet and outlet;
- Vacuum readings at the moisture separator tank;
- Vacuum readings at the SSDS monitoring points; and
- Photoionization detector (PID) readings at the blower outlets.

During the Site visit, vacuum readings were collected at each SSDS monitoring point using a handheld micromanometer. Vacuum monitoring results from SSDS start-up through the Third Quarter of 2020 are summarized in Table 1 (attached).

During the Second Quarter 2020 monitoring event, the Factory Building SSDS was troubleshooted to increase the sub-slab vacuum at zones 2 and 3, due to MP2-1 and MP3-1 exhibiting low vacuum readings over several monitoring events. During the Third Quarter 2020 monitoring event, the initial vacuum readings showed a significant increase in vacuum at MP2-1, which increased from 0.008 in. w.c. to 0.020 in. w.c. since the last monitoring event. However, influence recorded at zone 3 dropped, based on the initial Third Quarter vacuum readings of 0.004 in. w.c. at MP3-1 and 0.005 in. w.c. at MP3-2. Roux attributed the decrease in vacuum at zone 3 to a potential blockage in the knockout tank associated with Blower 1, based on a vacuum of 6 in. w.c. measured at knockout tank when compared to 26 in. w.c. measured at the blower inlet. To troubleshoot this issue, Roux opened the gate valve on the manifold for zone 3 to 100%. After the gate valve adjustments were made, Roux's field technician waited 1 hour and remeasured the vacuum at monitoring points MP1-2 through MP3-2. The isolation valve adjustments resulted in an increase in vacuum at zone 3, based the vacuum at MP3-1 and MP3-2 increasing to 0.010 in. w.c., respectively. The results of the SSDS troubleshooting are summarized in the performance monitoring field logs attached as Table 2.

The final vacuum measurements recorded are presented in Table 1 and indicate that the SSDS was operating properly at each leg (i.e., maintaining a minimum vacuum of 0.004 in. w.c.). Prior to Fourth Quarter 2020 monitoring event, Roux will perform maintenance on the knockout tank associated with the Factory Building SSDS Blower 1.

If you have any questions or require additional information regarding this monitoring summary, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Nathan Epler, Ph.D.
Principal Hydrogeologist

Attachments

1. SSDS Monitoring Summary Tables
2. SSDS Performance Monitoring Field Logs
3. Factory Building SSDS As-Builts
4. Garage SSDS As-Builts

ATTACHMENTS

1. SSDS Monitoring Summary Tables
2. SSDS Performance Monitoring Field Logs
3. Factory Building SSDS As-Builts
4. Garage SSDS As-Builts

ATTACHMENT 1

SSDS Monitoring Summary Tables

Table 1. SSDS Monitoring Summary, Bulova Watch Case Factory Site No. 1-52-139

	Factory Building SSDS														
	SSDS Zones Inside Blower Room					Blower 1					Blower 2				
Date	Zone 1 (in. w.c.)	Zone 2 (in. w.c.)	Zone 3 (in. w.c.)	Zone 4 (in. w.c.)	Zone 5 (in. w.c.)	Runtime (hours)	Influent (in. w.c.)	K.O (in. w.c.)	Effluent (in. w.c.)	PID (ppm)	Runtime (hours)	Influent (in. w.c.)	K.O (in. w.c.)	Effluent (in. w.c.)	PID (ppm)
March 6, 2015	2.50	2.40	1.90	5.80	6.50	--	25	31	--	--	--	20	8	--	--
March 12, 2015	2.58	2.06	3.24	5.93	6.73	--	--	--	--	--	--	--	--	--	--
March 19, 2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
March 24, 2015	6.38	5.76	3.15	5.77	6.46	--	--	--	--	--	--	--	--	--	--
April 2, 2015	2.51	2.06	3.21	5.81	6.52	2,750.6	22	31	20	0.0	1,943.8	20	10	19	0.0
April 7, 2015	2.44	2.06	3.3	5.64	6.47	2,871.4	25	32	20	0.0	2,064.4	20	19	20	0.0
April 14, 2015	2.59	1.97	3.51	5.38	6.73	3,040.2	32	30	20	0.0	2,033.2	20	20	20	0.0
April 22, 2015	2.48	2.02	3.24	5.53	6.46	3,231.2	25	31	20	0.0	2,424.1	21	10	18	0.0
May 5, 2015	2.52	2.03	3.19	5.78	6.42	3,512.8	18	32	20	0.0	2,705.7	21	9	18	0.0
May 11, 2015	2.54	1.98	3.28	5.72	6.53	3,621.5	25	31	20	0.0	2,814.4	21	10	17	0.0
May 27, 2015	2.78	2.26	3.37	0.31	0.46	3,821.9	Blower 1 down since May 23, 2015				3,112.8	29	32	6	0.0
June 2, 2015	2.78	2.26	3.40	0.31	0.43	3,821.9	Blower 1 down since May 23, 2015				3,256.6	29	38	6	0.0
June 9, 2015	2.44	2.07	3.24	5.66	6.50	3,833.0	20	10	15	--	3,485.2	24	30	20	--
July 29, 2015	2.61	2.07	3.24	3.82	6.59	4,853.2	21	10	19	0.0	4,288.2	25	20	20	0.0
August 6, 2015	2.63	2.17	3.31	5.72	6.46	5,048.4	21	9	18	0.0	4,483.5	25	20	20	0.0
September 11, 2015	2.62	2.14	3.30	5.74	6.55	5,910.9	21	10	19	0.0	5,340.0	24	20	19	0.0
December 31, 2015	2.68	2.02	3.30	5.76	6.48	8,576.6	22	10	18	0.2	8,011.3	21	20	20	0.1
January 21, 2016	2.62	2.04	3.25	5.67	6.45	9,078.4	22	10	18	0.2	8,513.5	22	19	19	0.1
March 22, 2016	2.66	1.98	3.31	5.78	6.42	10,543.2	25	20	20	0.0	9,979.0	21	10	18	0.1
April 22, 2016	2.60	2.04	3.26	5.62	6.37	11,286.5	22	20	20	0.1	10,721.4	21	9	18	0.0
May 27, 2016	2.63	2.05	3.24	5.61	6.44	12,195.4	22	20	20	0.0	11,463.2	21	10	18	0.0
June 21, 2016	2.68	2.07	3.20	5.65	6.42	12,724.4	23	20	20	0.0	12,159.4	21	9	18	0.0
March 22, 2017	2.63	2.09	3.29	5.69	6.43	19,046.5	--	20	20	0.0	18,481.0	21	--	--	--
May 5, 2017	2.62	2.03	2.99	5.79	6.47	20,105.3	21	--	18	0.0	19,540.3	27	20	20	0.0
July 21, 2017	2.68	1.93	3.01	5.79	5.72	21,953.8	27	10	18	0.0	21,388.1	21	20	19	0.0
December 13, 2017	2.66	1.96	2.41	5.62	6.37	25,433.2	25	10	18	0.1	24,868.2	25	20	18	0.0
February 12, 2018	2.6	2.20	3.29	5.75	6.46	--	20	10	18	0.1	--	25	20	20	0.0
May 15, 2018	2.66	2.01	2.41	5.82	6.53	29,104.8	24	10	18	0.0	28,539.7	25	20	19	0.0
August 16, 2018	2.63	2.08	2.49	5.81	6.58	31,273.0	26	9	18	0.0	30,707.0	22	20	18	0.0
October 3, 2018	2.64	1.98	2.66	5.75	6.52	32,427.7	24	10	18	0.0	31,861.0	22	20	18	0.0
January 16, 2019	2.51	1.98	2.69	5.75	6.46	34,947.8	22	8	18	0.0	34,381.6	24	18	20	0.0
April 5, 2019	2.71	2.14	2.71	5.77	6.65	36,839.8	22	10	19	0.0	36,274.5	24	20	19	0.0
August 2, 2019	2.63	2.20	2.98	5.73	6.58	39,672.0	22	10	19	0.0	39,106.7	24	20	19	0.0
December 23, 2019	2.69	2.10	2.45	5.79	6.52	43,131.3	26	10	16	0.0	42,565.8	19	20	18	0.0
March 31, 2020	2.66	2.10	2.05	5.78	6.54	45,505.2	24	8	10	0.0	44,939.6	19	20	18	0.0
June 17, 2020	2.64	2.04	2.26	5.79	6.58	47,375.8	26	8	14	0.0	46,810.2	20	20	18	0.0
September 16, 2020	2.12	2.53	2.34	5.87	6.57	49,669.6	26	6	8	0.0	48,994.1	20	18	20	0.0

Notes:

Blower 1: Rotron EN808, 7.5Hp, located in factory building blower room
Blower 2: Rotron EN808, 7.5Hp, located in factory building blower room
Garage Blower: Rotron EN909 15Hp, located in garage blower room
Zone 1: SSDS Green Line, Blower 2
Zone 2: SSDS Purple Line, Blower 2
Zone 3: SSDS Orange Line, Blower 2
Zone 4: SSDS Red Line, Blower 1
Zone 5: SSDS Blue Line, Blower 1
Perm. E.: SSDS Perimeter East Line, Garage Blower
Perm. W.: SSDS Perimeter West Line, Garage Blower
Garage: SSDS Garage Line, Garage Blower
Influent: Blower Influent Vacuum Gauge
K.O.: Blower Knockout Tank/Moisture Separator Vacuum Gauge
Effluent: Blower Effluent Pressure Gauge
PID: Photoionization Detector
in. w.c.: inches of water column
ppm: parts per million
--: measurement was not collected
Data loggers installed March 6, 2015
Vacuum readings were previously reported in negative pressure (shown as negative value). This was corrected by reporting vacuum readings as postive values.

Table 1. SSDS Monitoring Summary, Bulova Watch Case Factory Site No. 1-52-139

	Garage & Perimeter SSDS							
	SSDS Zones Inside Blower Room			Garage Blower				
Date	Perm. E. (in. w.c.)	Perm. W. (in. w.c.)	Garage (in. w.c.)	Runtime (hours)	Influent (in. w.c.)	K.O. (in. w.c.)	Effluent (in. w.c.)	PID (ppm)
March 6, 2015	2.20	2.00	0.90	--	28	19	--	--
March 12, 2015	2.63	2.34	0.52	--	--	--	--	--
March 19, 2015	2.57	2.23	0.56	--	--	--	--	--
March 24, 2015	2.61	2.17	0.51	--	--	--	--	--
April 2, 2015	2.52	2.20	0.51	2,859.40	24	11	2.2	0.0
April 7, 2015	2.67	2.24	0.53	2,980.00	24	27	2.5	0.0
April 14, 2015	2.88	2.39	0.57	3,148.80	27	18	2	0.0
April 22, 2015	2.89	2.48	0.58	3,340.40	27	18	2	0.0
May 5, 2015	2.72	2.23	0.61	3,651.10	27	19	2	0.0
May 11, 2015	2.61	2.18	0.51	3,796.60	27	19	2	0.0
May 27, 2015	2.59	2.16	0.57	4,179.40	27	19	2	0.0
June 2, 2015	2.70	2.28	0.68	4,323.10	28	18	2	0.0
June 9, 2015	2.72	2.12	0.57	4,492.10	28	18	2	--
July 29, 2015	2.48	2.02	0.66	5,502.08	27	19	2	0.0
August 6, 2015	2.45	1.95	0.56	5,698.00	27	18	2	0.0
September 11, 2015	2.88	2.34	0.52	6,559.70	27	19	2	0.0
December 31, 2015	2.94	2.52	0.64	9,226.10	27	19	2	0.0
January 21, 2016	2.68	2.24	0.56	9,727.90	27	19	2	0.2
March 22, 2016	2.79	2.33	0.62	11,192.60	27	19	2	0.1
April 22, 2016	2.68	2.17	0.57	11,836.20	27	18	2	0.0
May 27, 2016	2.72	2.14	0.63	12,482.20	27	18	2	0.0
June 21, 2016	2.65	2.26	0.59	13,373.50	27	19	2	0.0
March 22, 2017	2.71	2.21	0.61	--	28	18	2	0.0
May 5, 2017	2.96	2.55	0.59	--	27	19	2	0.0
July 21, 2017	2.62	2.14	0.68	22,856.70	25	18	2	0.0
December 13, 2017	2.59	2.17	0.53	26,335.80	25	18	2	0.0
February 12, 2018	2.52	1.97	0.54	--	25	18	2	0.0
May 15, 2018	2.7	2.24	0.52	30,007.30	26	18	2	0.0
August 16, 2018	2.51	2.06	0.60	32,115.60	27	19	2	0.0
October 3, 2018	2.29	2.69	0.58	33,329.50	27	18	2	0.1
January 16, 2019	2.57	2.14	0.53	35,849.10	27	18	2	0.0
April 5, 2019	2.49	1.99	0.56	37,741.00	27	18	2	0.0
August 2, 2019	2.68	2.34	0.54	40,573.20	27	18	2	0.0
December 23, 2019	2.26	1.77	0.53	44,034.10	25	15	2	0.0
March 31, 2020	2.39	1.77	0.45	46,406.50	23	16	2	0.0
June 17, 2020	2.15	1.75	0.61	48,278.50	25	16	3	0.0
September 16, 2020	2.06	1.52	0.53	50,461.10	25	10	2	0.0

Notes:

Blower 1: Rotron EN808, 7.5Hp, located in factory building blower room
Blower 2: Rotron EN808, 7.5Hp, located in factory building blower room
Garage Blower: Rotron EN909 15Hp, located in garage blower room
Zone 1: SSDS Green Line, Blower 2
Zone 2: SSDS Purple Line, Blower 2
Zone 3: SSDS Orange Line, Blower 2
Zone 4: SSDS Red Line, Blower 1
Zone 5: SSDS Blue Line, Blower 1
Perm. E.: SSDS Perimeter East Line, Garage Blower
Perm. W.: SSDS Perimeter West Line, Garage Blower
Garage: SSDS Garage Line, Garage Blower
Influent: Blower Influent Vacuum Gauge
K.O.: Blower Knockout Tank/Moisture Separator Vacuum Gauge
Effluent: Blower Effluent Pressure Gauge
PID: Photoionization Detector
in. w.c.: inches of water column
ppm: parts per million
--: measurement was not collected
Data loggers installed March 6, 2015
Vacuum readings were previously reported in negative pressure (shown as negative value). This was corrected by reporting vacuum readings as postive values.

Table 1. SSDS Monitoring Summary, Bulova Watch Case Factory Site No. 1-52-139

	SSDS Monitoring Points													
	Factory Building										Garage & Perimeter			
Date	MP1-1 (in. w.c.)	MP1-2 (in. w.c.)	MP2-1 (in. w.c.)	MP2-2 (in. w.c.)	MP3-1 (in. w.c.)	MP3-2 (in. w.c.)	MP4-1 (in. w.c.)	MP4-2 (in. w.c.)	MP5-1 (in. w.c.)	MP5-2 (in. w.c.)	MP6-1 (in. w.c.)	MP6-2 (in. w.c.)	MP6-3 (in. w.c.)	MP7-1 (in. w.c.)
June 9, 2015	N/A	0.030	0.000	0.367	0.110	N/A	0.007	1.155	0.017	0.010	0.164	0.084	N/A	1.978
July 29, 2015	0.042	0.042	0.009	0.135	0.034	0.019	N/A	1.178	N/A	0.012	0.129	0.094	0.038	1.838
August 6, 2015	0.119	0.041	0.009	0.386	0.032	0.008	0.030	1.168	0.021	0.118	0.131	0.092	0.039	1.808
September 11, 2015	0.111	0.049	0.008	0.393	0.035	0.010	0.035	1.177	0.019	0.120	0.129	0.040	0.090	1.799
December 31, 2015	0.123	0.031	0.008	N/A	0.024	0.010	0.025	0.991	0.008	0.189	0.124	0.266	0.011	2.259
January 21, 2016	0.112	0.020	0.008	N/A	0.013	0.013	0.023	0.915	0.021	0.278	0.105	0.230	0.066	1.963
March 22, 2016	0.104	0.024	0.007	0.025	0.023	0.014	0.020	0.891	0.011	0.375	0.114	0.252	0.075	2.112
April 22, 2016	0.155	0.026	0.004	0.759	0.015	0.012	0.017	0.898	0.017	0.098	0.117	0.258	0.076	5.733
May 27, 2016	0.109	0.034	0.006	0.549	0.021	0.010	0.025	0.912	0.022	0.205	0.131	0.267	0.081	2.064
June 21, 2016	0.122	0.030	0.009	0.261	0.019	0.012	0.022	0.940	0.014	0.240	0.128	0.269	0.086	2.021
March 22, 2017	0.087	0.019	0.021	0.219	0.007	0.010	0.014	0.847	0.004	0.401	0.125	0.246	-0.083	2.014
May 5, 2017	0.101	0.021	0.006	0.205	0.005	0.011	0.019	0.889	0.026	0.071	0.191	0.254	N/A	2.309
July 21, 2017	0.118	0.036	0.012	0.236	0.007	0.014	0.020	0.938	0.008	0.101	0.128	0.244	0.082	1.944
December 13, 2017	0.086	0.022	0.006	0.194	0.011	0.011	0.016	0.877	0.012	0.329	0.129	0.248	0.080	1.933
February 12, 2018	0.118	0.040	0.009	0.089	0.031	0.010	0.032	1.155	0.027	0.118	0.134	0.035	0.091	1.808
May 15, 2018	0.104	0.023	0.009	0.195	0.008	0.014	0.019	0.883	0.012	0.015	0.129	1.950	0.080	2.080
August 16, 2018	0.110	0.032	0.005	0.229	0.007	0.009	0.023	0.937	0.011	0.010	0.127	0.222	0.085	1.883
October 3, 2018	0.109	0.028	0.006	0.253	0.008	0.010	0.044	0.927	0.010	0.010	0.124	0.244	0.078	2.123
January 16, 2019	0.121	0.022	0.009	0.180	0.008	0.009	0.019	0.860	0.012	0.119	0.128	0.235	0.095	1.969
April 5, 2019	0.119	0.020	0.004	0.191	0.007	0.010	0.015	0.850	0.004	0.008	0.109	0.228	0.068	1.845
August 2, 2019	0.108	0.022	0.006	0.196	0.008	0.010	0.022	0.910	0.009	0.008	0.120	0.221	0.082	2.070
December 23, 2019	0.119	0.025	0.007	0.182	0.007	0.012	0.019	0.854	0.010	0.006	0.112	0.192	0.068	1.745
March 31, 2020	0.135	0.026	0.008	0.190	0.006	0.009	0.023	0.852	0.010	0.007	0.115	0.192	0.073	1.871
June 17, 2020	0.109	0.024	0.008	0.214	0.008	0.013	0.020	0.904	0.011	0.011	0.112	0.201	0.081	1.591
September 16, 2020	0.105	0.021	0.020	0.210	0.010	0.010	0.040	0.922	0.013	0.009	0.118	0.190	0.104	1.370

Notes:

Zone 1: SSDS Green Line, Blower 2
Zone 2: SSDS Purple Line, Blower 2
Zone 3: SSDS Orange Line, Blower 2
Zone 4: SSDS Red Line, Blower 1
Zone 5: SSDS Blue Line, Blower 1
Zone 6: SSDS Garage Line, Garage Blower
Zone 7: SSDS Perimeter East/West Line, Garage Blower
MP2-1 installed incorrectly. Corrected on July 7, 2015
N/A: measurement was not collected, point inaccessible
Vacuum readings were previously reported in negative pressure (shown as negative value). This was corrected by reporting vacuum readings as postive values.
SSDS Zones, SSDS Monitoring Points, Influent, and K.O. reported in terms of vacuum. Effluent reported in terms of pressure.
SSDS Zones, SSDS Monitoring Points, Influent, and K.O. reported in terms of vacuum. Effluent reported in terms of pressure.

ATTACHMENT 2

SSDS Performance Monitoring Field Logs

Table 2. SSDS Permformance Monitoring Field Log, Bulova Watch Case Factory Site No. 1-52-139

ACTIVE SUB-SLAB DEPRESSURIZATION PERFORMANCE MONITORING LOG

PROJECT:	Watchcase Factory Condominium	DATE :	September 16, 2020
	Sag Harbor, NY	PERSONNEL:	N.Manzione
Roux Project No.:	2802.0001Y000	ALARM WARNING LIGHT CHECKED (Y/N)?	Y
System:	Factory Active Sub-Slab Depressurization System	RUNTIME METER (BLOWER 1):	49,669.6
Blower :	Two - Rotron EN808, 7.5Hp Each	RUNTIME METER (BLOWER 2):	48,994.1
Blower Range:	Each blower capable of 90 inches of water, 80 cfm		

Blowers	Operational Status	Inlet Vacuum (in. w.c.)	Comment
FB-1	OK	26	
FB-2	OK	20	
Knock-out Tank- 1	OK	6	
Knock-out Tank-2	OK	18	

Blower Manifold	Valve Status	Vacuum (in. w.c.)	Comment
Zone 1 Green Line	50%	2.12	
Zone 2 Purple Line	100%	2.53	
Zone 3 Orange Line	100%	2.34	Opened gate valve on manifold to 100%
Zone 4 Red Line	100%	5.87	
Zone 5 Blue Line	100%	6.57	

Vacuum Monitoring Point	Zone	Vacuum (in. w.c.)	Comment
MP1-1	Zone 1	0.105	Needs well cover
MP1-2	Zone 1	0.021	Initial measurement was 0.024 prior to isolation valve adjustment
MP2-1	Zone 2	0.020	Initial measurement was 0.021 prior to isolation valve adjustment
MP2-2	Zone 2	0.210	Initial measurement was 0.246 prior to isolation valve adjustment
MP3-1	Zone 3	0.010	Initial measurement was 0.004 prior to isolation valve adjustment
MP3-2	Zone 3	0.010	Initial measurement was 0.005 prior to isolation valve adjustment
MP4-1	Zone 4	0.040	
MP4-2	Zone 4	0.922	
MP5-1	Zone 5	0.013	
MP5-2	Zone 5	0.009	

Blower Effluent	Pressure (in. w.c.)	PID Reading (ppmv)	Comment
FB-1	8	0.0	
FB-2	16	0.0	

Table 2. SSDS Permformance Monitoring Field Log (cont.), Bulova Watch Case Factory Site No. 1-52-139

ACTIVE SUB-SLAB DEPRESSURIZATION PERFORMANCE MONITORING LOG

PROJECT:	Watchcase Factory Condominium	DATE :	September 16, 2020
Location :	Sag Harbor, NY	PERSONNEL:	N.Manzione
Roux Project No.:	2802.0001Y000	ALARM WARNING LIGHT CHECKED (Y/N)?:	Y
System:	Garage Active Sub-Slab Depressurization System	RUNTIME METER:	50,461.1
Blower :	Rotron EN909, 15 Hp		
Blower Range:	Blower capable of 112 inches of water, 200 cfm		

Blower	Operational Status	Inlet Vacuum (in. w.c.)	Comment
GB-1	OK	25	
Knock-out Tank-1	OK	10	
Blower Manifold	**Valve Status**	**Vacuum (in. w.c.)**	**Comment**
Perimeter East	50%	2.06	
Perimeter West	50%	1.52	
Garage	50%	0.53	
Vacuum Monitoring Point	**Zone**	**Vacuum (in. w.c.)**	**Comment**
MP6-1	Zone 6	0.118	
MP6-2	Zone 6	0.190	
MP6-3	Zone 6	0.104	
MP7-1	Zone 7	1.37	
Blower Effluent	**Pressure (in. w.c.)**	**PID Reading (ppmv)**	**Comment**
GB-1	2	0.0	Valve and gauge need replacement

ATTACHMENT 3

Factory Building SSDS As-Builts

LEGEND

(solid green line)	EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 1)
(dashed green line)	EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 1)
(solid purple line)	EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 2)
(dashed purple line)	EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 2)
(solid orange line)	EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 3)
(dashed orange line)	EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 3)
(solid red line)	EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 4)
(dashed red line)	EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 4)
(solid blue line)	EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 5)
(dashed blue line)	EXISTING4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 5)
MP4-1 ●	EXISTING VACUUM MONITORING POINT
(yellow box)	BLOWER LOCATION

AS-BUILT DRAWINGS

10' 0 10'

NO.	DATE	REVISION DESCRIPTION	INT.
2	11/25/14	AS-BUILTS	C.P.
1	2/13/12	REVISED TO SHOW NEW SYSTEM LAYOUT	C.P.

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PROJ. ENGINEER: C.P.	DRAWN BY: G.M.
DESIGNED BY: C.P.	CHECKED BY: C.J.M.
DRAWING SCALE: AS SHOWN	PLOT SCALE: 1:1
DRAWING DATE: 18JUN18	PRINT TYPE: COLOR
OFFICE: NY	PAPER SIZE: ARCH E
PROJECT NO.: 2802.0001Y000	
DRAWING FILE: 2802.0001Y101.01.DWG	

ROUX
Roux Environmental Engineering & Geology, D.P.C.
209 SHAFTER STREET, ISLANDIA, NEW YORK 11749
(631) 232-2600

PROJECT NAME:
FORMER BULOVA WATCHCASE FACILITY
SITE NO. 152139

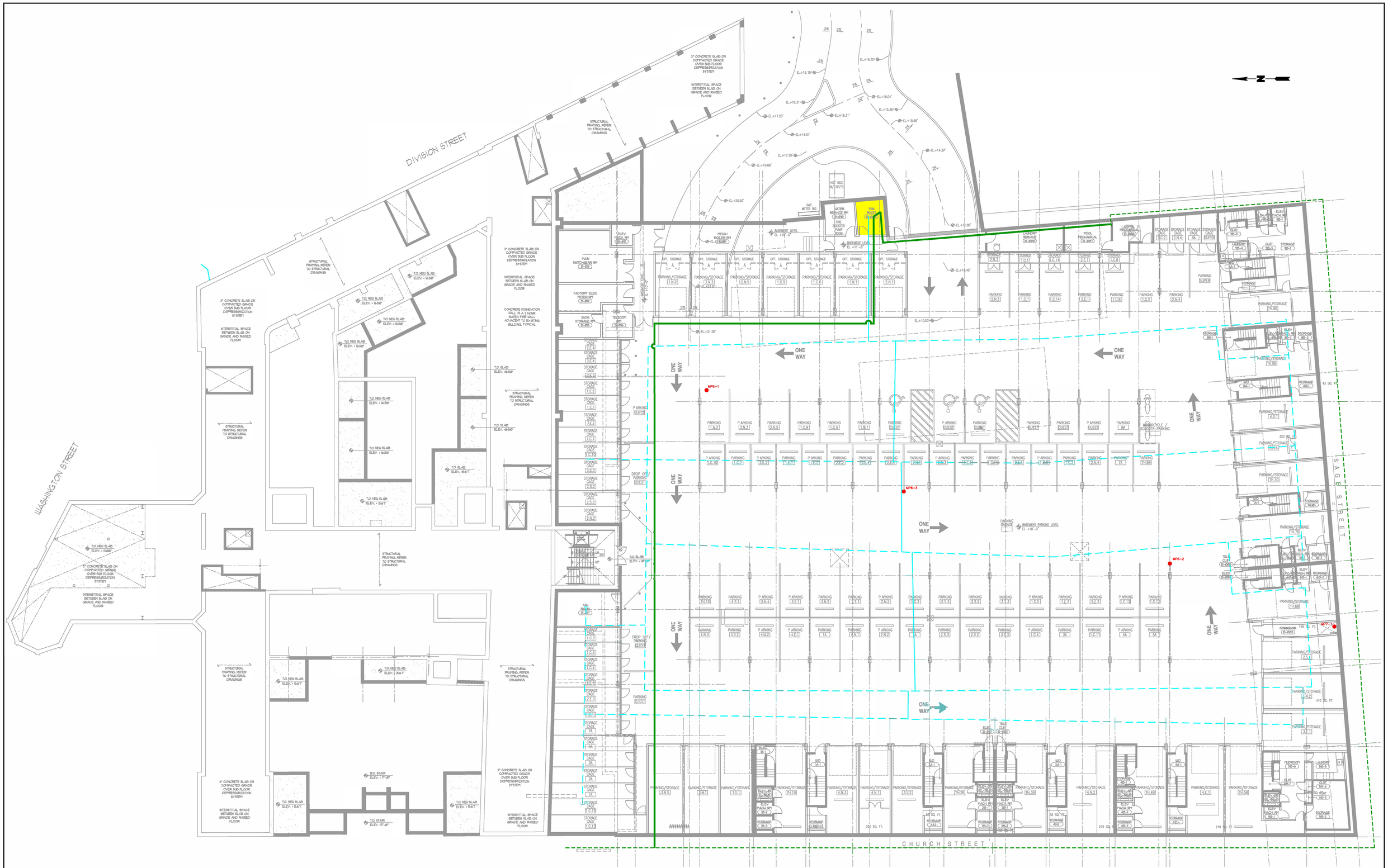
PROJECT FOR:
WATCHCASE FACTORY CONDOMINIUM
SAG HARBOR, NEW YORK

TITLE:
FACTORY BUILDING SSDS AS-BUILTS

PLATE
1

ATTACHMENT 4

Garage SSDS As-Builts



LEGEND

- EXISTING 6" SUB-SLAB VAPOR COLLECTION PIPE
- EXISTING 6" SOLID SUB-SLAB HEADER PIPE
- EXISTING 6" EXTERNAL VAPOR COLLECTION PIPE
- EXISTING 6" SOLID VAPOR COLLECTION PIPE HUNG FROM GARAGE CEILING
- MP6-1 EXISTING VACUUM MONITORING POINT
- BLOWER LOCATION

NO.	DATE	REVISION DESCRIPTION	INT.
2	11/25/14	AS-BUILTS	C.P.
1	2/13/12	REVISED TO SHOW NEW SYSTEM LAYOUT	C.P.

PROJ. ENGINEER: C.P.	DRAWN BY: G.M.
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DRAWING SCALE: AS SHOWN	PLOT SCALE: 1:1
DRAWING DATE: 18JUN18	PRINT TYPE: COLOR
OFFICE: NY	PAPER SIZE: ARCH E
PROJECT NO.: 1495.00011Y002	
DRAWING FILE: 2802.00011Y101.01.DWG	

ROUX
Roux Environmental Engineering & Geology, D.P.C.
209 SHAFTER STREET, ISLANDIA, NEW YORK 11749
(631) 232-2600

AS-BUILT DRAWINGS

10' 0 10'

PROJECT NAME:
FORMER BULOVA WATCHCASE FACILITY
SITE NO. 152139
PROJECT FOR:
WATCHCASE FACTORY CONDOMINIUM
SAG HARBOR, NEW YORK

TITLE:
GARAGE SSDS AS-BUILTS

PLATE
2

M:\JOB\PROJECTS\2802\00011Y\101\2802.00011Y101.01.DWG