July 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
Second 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 Second Quarter of 2020. SSDS monitoring activities were conducted to confirm 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 Second 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.

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas

Quarterly SSDS Inspection and Monitoring

Second Quarter 2020 SSDS inspection and monitoring activities were performed on June 17, 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 First Quarter of 2020 are summarized in Table 1 (attached). A review of Table 1 indicates that the SSDS was operating properly at each leg (i.e., maintaining a minimum vacuum of 0.004 in. w.c.).

Over the last couple sampling events, low vacuum influence has been observed at MP2-1 and MP3-1. The influence recorded at MP2-1 was 0.006 in. w.c. and the vacuum recorded at MP3-1 was 0.008 in. w.c. To troubleshoot the issue, the gate valve for zone 2 at the blower manifold was opened from 50% to 100% and the gate valve at zone 3 was closed from 100% to 50%. After waiting approximately 30 minutes, the vacuum was measured at MP2-1 and MP3-1 and recorded. The vacuum measurements indicated an increase in sub-slab vacuum at MP2-1 from 0.006 to 0.008 in. w.c. and a decrease in sub-slab vacuum at MP3-1 from 0.008 to 0.006 in. w.c. Based on these results, the gate valve at zone 3 was reopened to 75% and the vacuum at MP2-1 and MP3-1 was measured 30 minutes after the gate valve was reopened. The final vacuum measurement at MP2-1 remained the same (0.008 in. w.c.) and the vacuum at MP3-1 increased to 0.008 in. w.c. Therefore, opening or closing the zone 2 and 3 gate valves by 50% resulted in a 25% change in sub-slab influence at monitoring points MP2-1 and MP3-1. The results of the SSDS troubleshooting are summarized in the performance monitoring field logs attached as Table 2.

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

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.
SSDS Zones, SSDS Monitoring Points, Influent, and K.O. reported in terms of vacuum. Effluent reported in terms of pressure.

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

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
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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.
SSDS Zones, SSDS Monitoring Points, Influent, and K.O. reported in terms of vacuum. Effluent reported in terms of pressure.

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

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 :	June 17, 2020
	Sag Harbor, NY	PERSONNEL:	N.Palumbo
Roux Project No.:	2802.0001Y000	ALARM WARNING LIGHT CHECKED?:	**YES** / NO
System:	Factory Active Sub-Slab Depressurization System	RUNTIME METER (BLOWER 1):	47,375.8
Blower :	Two - Rotron EN808, 7.5Hp Each	RUNTIME METER (BLOWER 2):	46,810.2
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	8	
Knock-out Tank-2	OK	20	

Blower Manifold		Valve Status	Vacuum (in. w.c.)	Comment
Zone 1	Green Line	50%	2.64	
Zone 2	Purple Line	100%	2.04	Opened gate valve to 100% and remeasured vacuum at MP2-1
Zone 3	Orange Line	75%	2.26	Closed valve to 50% and remeasured vacuum at MP3-1; Reopened valve
Zone 4	Red Line	100%	5.79	
Zone 5	Blue Line	100%	6.58	

Vacuum Monitoring Point	Zone	Vacuum (in. w.c.)	Comment
MP1-1	Zone 1	0.109	Needs well cover
MP1-2	Zone 1	0.024	
MP2-1	Zone 2	0.008	Vacuum increased from 0.006 to 0.008 in. w.c. after opening zone 2 gate valve to 100%
MP2-2	Zone 2	0.214	
MP3-1	Zone 3	0.008	Vacuum decreased from 0.008 to 0.006 in. w.c. after closing zone 3 gate valve to 50%; Vacuum increased back to 0.008 in. w.c. when zone 3 gate valve was reopened to
MP3-2	Zone 3	0.013	Needs well cover
MP4-1	Zone 4	0.020	
MP4-2	Zone 4	0.904	
MP5-1	Zone 5	0.011	
MP5-2	Zone 5	0.011	

Blower Effluent	Pressure (in. w.c.)	PID Reading (ppmv)	Comment
FB-1	14	0.0	
FB-2	18	0.0	

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

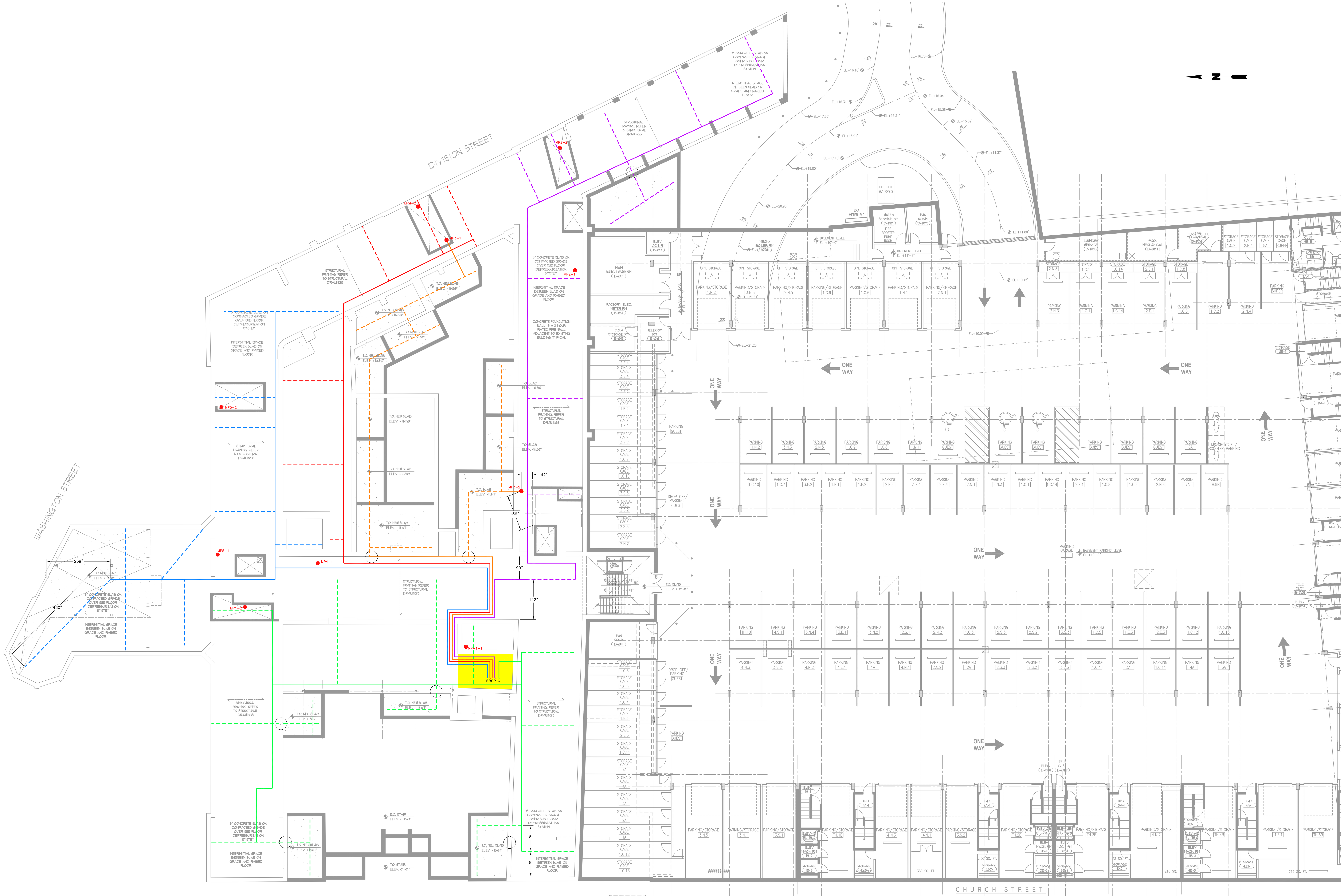
ACTIVE SUB-SLAB DEPRESSURIZATION PERFORMANCE MONITORING LOG

PROJECT:	Watchcase Factory Condominium	DATE :	6/17/2020
Location :	Sag Harbor, NY	PERSONNEL:	N.Palumbo
Roux Project No.:	2802.0001Y000	ALARM WARNING LIGHT CHECKED?:	**YES** / NO
System:	Garage Active Sub-Slab Depressurization System	RUNTIME METER:	48,278.5
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	16	
Blower Manifold	**Valve Status**	**Vacuum (in. w.c.)**	**Comment**
Perimeter East	50%	2.15	
Perimeter West	50%	1.75	
Garage	50%	0.61	
Vacuum Monitoring Point	**Zone**	**Vacuum (in. w.c.)**	**Comment**
MP6-1	Zone 6	0.112	
MP6-2	Zone 6	0.201	
MP6-3	Zone 6	0.081	
MP7-1	Zone 7	1.591	
Blower Effluent	**Pressure (in. w.c.)**	**PID Reading (ppmv)**	**Comment**
GB-1	3	0.0	Valve and gauge need replacement

ATTACHMENT 3

Factory Building SSDS As-Builts



LEGEND

- EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 1)
- EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 1)
- EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 2)
- EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 2)
- EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 3)
- EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 3)
- EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 4)
- EXISTING 4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 4)
- EXISTING 4" SOLID SCHEDULE 40 PVC PIPE (ZONE 5)
- EXISTING4" SLOTTED SCHEDULE 40 PVC VAPOR COLLECTION PIPE (ZONE 5)
- MP4-1 EXISTING VACUUM MONITORING POINT
- 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.

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

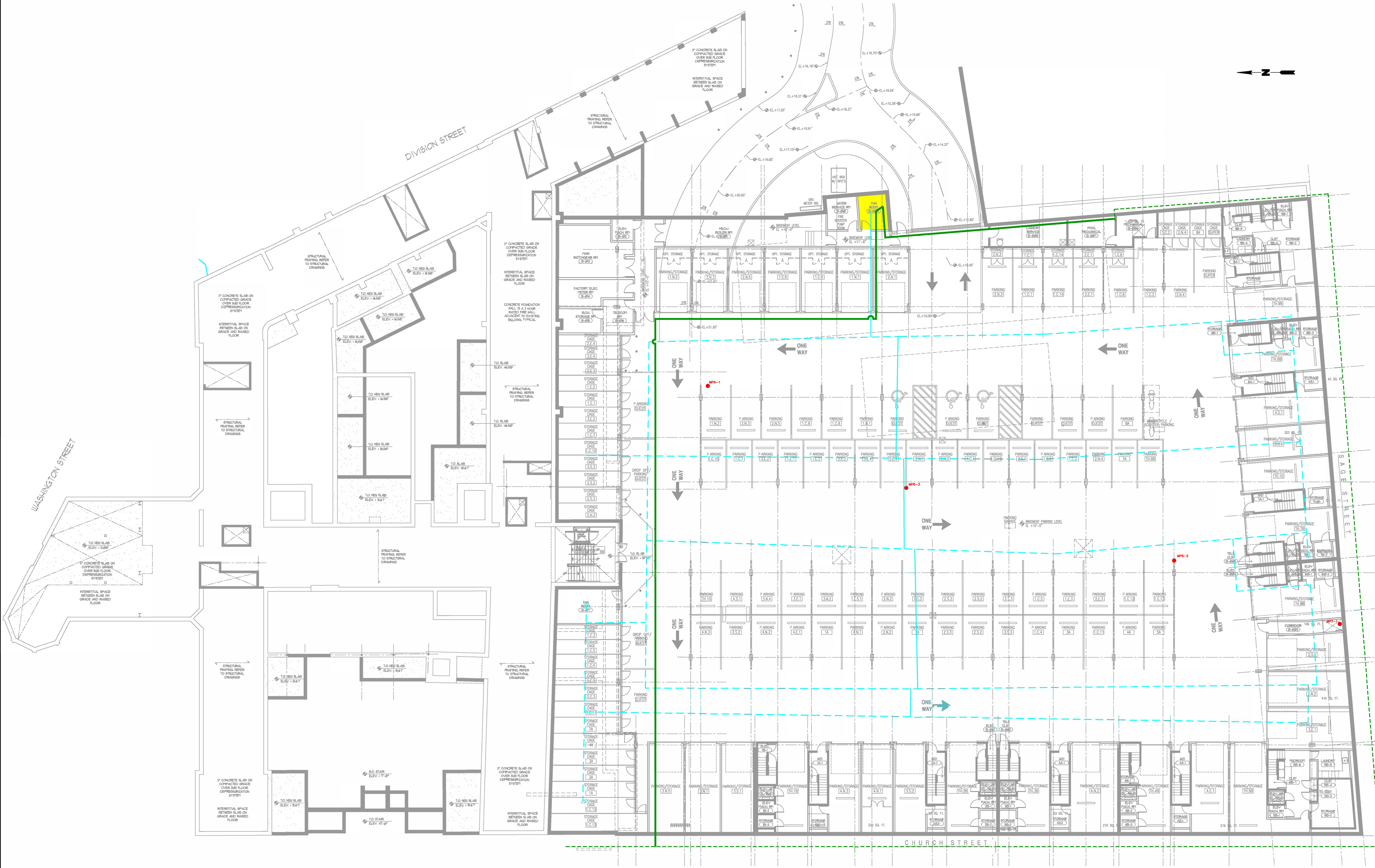
PROJECT FOR:
WATCHCASE FACTORY CONDOMINIUM
SAG HARBOR, NEW YORK

TITLE:
FACTORY BUILDING SSDS AS-BUILTS

PLATE
1

ATTACHMENT 4

Garage SSDS As-Builts



LEGEND

(cyan dashed line)	EXISTING 6" SUB-SLAB VAPOR COLLECTION PIPE
(cyan solid line)	EXISTING 6" SOLID SUB-SLAB HEADER PIPE
(green dashed line)	EXISTING 6" EXTERNAL VAPOR COLLECTION PIPE
(green solid line)	EXISTING 6" SOLID VAPOR COLLECTION PIPE HUNG FROM GARAGE CEILING
MP6-1 ●	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.

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.: 1495.0001Y002	
DRAWING FILE: 2802.0001Y101.01.DWG	

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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