



## **SL1354 RDH Flow Study Troon Golf Project**

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**Capital Fund I, LLC**

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### **SL1354 RDH Flow Study, 2 sites in Scottsdale, AZ Friday, 05-13-22 to Monday 05-23-22**

**Equipment for Site:** Hach 901 Logger with Flo-Dar Sensor (Area Velocity).

The equipment was installed with confined space entry, pipe size confirmed, sensor calibrated, and level depth confirmed to the flow level.

Duration of monitoring requested: 9-days including 2 weekends

Monitor: Flow (gpm), Level (in), and Velocity (fps)

Data logging: 5 minutes intervals (No averaged intervals)

Calibration Performed: Calibration method using set target\*

Target Measure: 5.0 inches

Meter Read: 5.00 inches

\*The target used for calibration measures exactly 5 inches and is set in the waste stream to calibrate sensor.

Meter Validation: PASSED

**Monitoring Location: Manhole located on E. Dynamite Blvd. near 97<sup>th</sup> PI in E bound lane of traffic**

72" Diameter, Rim to Invert: 140.00 inches

8" PVC pipe, flowing west

No Lateral(s)

The pipe condition was intact with a thin layer of scum on the walls; technician witnessed high flow velocity

Scum line of between 4.5 and 5.0 inches

Flo-Dar installed pointing upstream in the 8" pipe channel

Flow data is valid having no missing, erroneous, or anomalies with data. Attached is a MS Excel summary showing level, velocity, and flow logged at 5-minute intervals during the monitoring period.

RDH Environmental Services

Jeff Schulte

Service Manager

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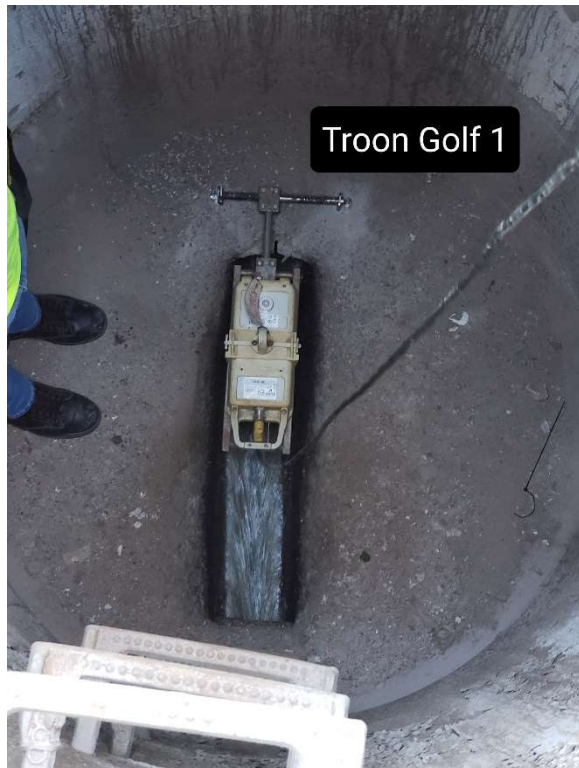
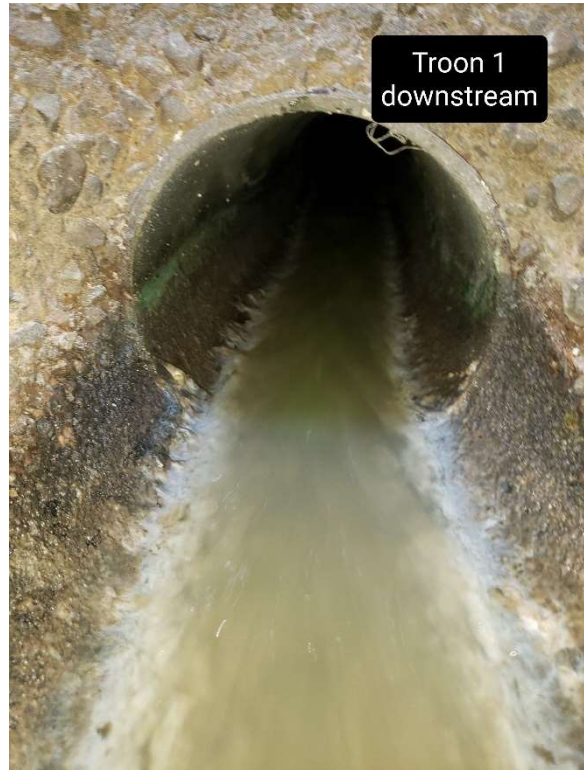
### Period Summaries:

MBA Troon Golf 01 Flow				
Date	Maximum (gpm)	Minimum (gpm)	Average (gpm)	Total (gal)
Friday, May 13, 2022	60.76	7.90	25.43	21,357.80
Saturday, May 14, 2022	51.12	2.69	17.74	25,546.00
Sunday, May 15, 2022	47.10	2.99	19.66	28,314.70
Monday, May 16, 2022	34.38	3.88	16.20	23,329.40
Tuesday, May 17, 2022	40.45	3.22	18.96	27,305.20
Wednesday, May 18, 2022	51.88	5.29	22.77	32,789.40
Thursday, May 19, 2022	47.10	6.55	25.00	35,999.00
Friday, May 20, 2022	51.32	5.79	27.10	39,017.90
Saturday, May 21, 2022	48.66	5.30	26.04	37,499.20
Sunday, May 22, 2022	42.95	6.14	26.32	37,901.90
Monday, May 23, 2022	30.57	5.62	16.23	6,816.10
MBA Troon Golf 01 Level (in.)				
Date	Maximum	Minimum	Average	
Friday, May 13, 2022	1.30	0.44	0.76	
Saturday, May 14, 2022	1.15	0.24	0.63	
Sunday, May 15, 2022	1.11	0.27	0.67	
Monday, May 16, 2022	0.92	0.32	0.61	
Tuesday, May 17, 2022	0.99	0.27	0.67	
Wednesday, May 18, 2022	1.21	0.38	0.77	
Thursday, May 19, 2022	1.15	0.43	0.82	
Friday, May 20, 2022	1.20	0.41	0.85	
Saturday, May 21, 2022	1.15	0.40	0.84	
Sunday, May 22, 2022	1.08	0.42	0.84	
Monday, May 23, 2022	0.91	0.41	0.67	
MBA Troon Golf 01 Velocity (fps)				
Date	Maximum	Minimum	Average	
Friday, May 13, 2022	3.85	2.33	3.13	
Saturday, May 14, 2022	3.67	1.96	2.88	
Sunday, May 15, 2022	3.60	1.84	2.90	
Monday, May 16, 2022	3.45	1.88	2.81	
Tuesday, May 17, 2022	3.65	1.87	2.81	
Wednesday, May 18, 2022	3.55	1.93	2.79	
Thursday, May 19, 2022	3.51	1.91	2.86	
Friday, May 20, 2022	3.56	1.92	2.91	
Saturday, May 21, 2022	3.55	1.83	2.87	
Sunday, May 22, 2022	3.47	1.89	2.90	
Monday, May 23, 2022	3.12	1.84	2.43	
*Data begins at 10:00 am on May 13th and ends at 7:00 am on May 23rd.				



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### Pictures:





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### Site Map:

