



**GHS Environmental, LLC**

**PO Box 55802**

**St. Petersburg, FL 33732-5802**

**727-667-6786**

May 10, 2016

Mr. Todd Mathes  
Benderson Corporation  
8441 Cooper Creek Blvd.  
University Park, FL 34201

**Re.: University Town Center: 2016 Surface & Ground Water Quality Monitoring  
March SW Semi-Annual Sampling Event**

Dear Mr. Matthews,

In accordance with Exhibit G of the Development of Regional Impact for Sarasota County, GHS Environmental, LLC (GHS) was contracted to conduct the ongoing surface water and groundwater quality monitoring programs for the University Town Center. The semi-annual surface water samples were collected on March 23, 2016.

The University Town Center is located to the southwest of the intersection of I-75 and University Parkway (SR610) between the cities of Sarasota and Bradenton. The property currently includes a major commercial shopping center that parallels I-75 on the western side of the property, and the first phase that includes the commercial shopping mall located on the northwestern corner of the development was completed in 2008. The regional mall, major hotels, additional outparcel shops, and housing are currently being added.

The methodology for the 2011 surface water monitoring is based on the approved water quality monitoring plan Exhibit G. At each station, grab samples are collected at mid-depth and approximately mid-stream, when the sampling site is inundated with surface water that is at least one inch (1") in depth. In situ measurements of dissolved oxygen, pH, air temperature, water temperature, and specific conductance are performed in the field using a YSI Pro Plus Multi-Parameter Water Quality Meter that is calibrated according to the manufacturer's specifications prior to deployment in the field. Instantaneous flow measurements are determined at each surface water monitoring location at times of apparent flow. Flow is determined using a Marsh McBirney Flowmate 2000 flow meter with measurements reported in units of cubic feet per second (cfs).

As per the monitoring plan, the surface water samples were analyzed for the entire parameter list, which includes nutrients, heavy metals, herbicides/pesticides, bacteriologicals, and suspended solids. The summary of the results is listed in Table 1, and the laboratory reports and chain of custody copies are attached. The laboratory results showed that there were no exceedances of the maximum standards as outlined in Ch. 62-302, F.A.C. The next sampling event is scheduled for June 2016 and will be a quarterly event with the reduced list of parameters.

We thank you for allowing GHS Environmental, LLC to provide our services. Please do not hesitate to call us at (727) 667-6786 with any questions.

Sincerely yours,

**GHS Environmental, LLC**

A handwritten signature in black ink, appearing to read 'Dana J. Gaydos', is written over a light blue horizontal line.

Dana J. Gaydos  
Principal

Table 1. UTC Surface Water Quality Summary Table - March 23, 2016.

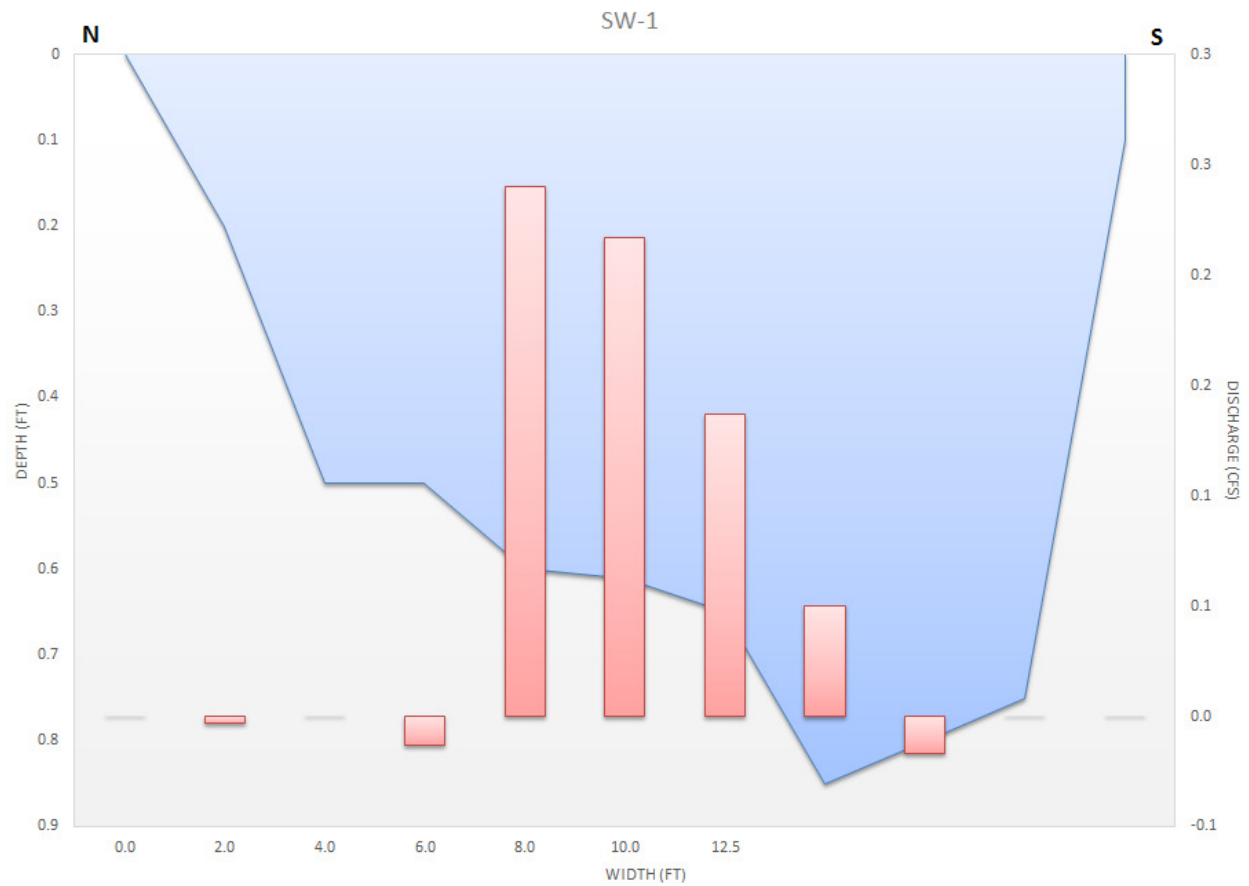
Parameter	FAC 62-302 Criteria	SW-1	SW-2
Average Water Depth (ft)		0.51	0.19
Maximum Water Depth (ft)		0.85	0.33
Cross Section (ft)		20	15
Maximum Measured Flow Rate (ft/s)		0.24	0.2
Stream Flow (cfs)		0.73	0.39
Air Temperature (°C)		24.3	19.1
Water Temperature (°C)		20.9	18.3
pH (pH Units)	6.0 - 8.5	7.63	7.28
Specific Conductivity (µmhos/cm)	<50% increase; <1275 µmhos/cm	484.5	435.7
Dissolved Oxygen (mg/L)	≥ 5.0 mg/L	4.14	8.25
Dissolved Oxygen (%)		46.6	88
Turbidity (NTU)	<29 NTU above background	2.4	0.94
Total Suspended Solids (mg/L)		U	U
Ammonia Nitrogen (mg/L)		0.2	0.11
Nitrate as N (mg/L)		U	U
Nitrite as N (mg/L)		U	U
Total Kjeldahl Nitrogen (mg/L)		0.84	0.55
Total Nitrogen (mg/L)		0.84	0.55
Orthophosphate (mg/L)		0.014	0.0090 (I)
Total Phosphorus (mg/L)		U	U
Arsenic (mg/L)		0.0027 (I)	U
Cadmium (mg/L)		U	U
Chromium (mg/L)		0.00092 (I)	0.00085 (I)
Copper (mg/L)		0.0025 (I)	0.0025 (I)
Lead (µg/L)	≤ 5.3 µg/L	U	U
Mercury (µg/L)		U	U
Nickel (mg/L)		U	U
Zinc (mg/L)		0.0053 (I)	0.0024 (I)
HEM - Oil & Grease (mg/L)		U	3.2 (I)
Biochemical Oxygen Demand (mg/L)		U	U
Fecal Coliform (CFU/100 mL)		75	47
Total Coliform (CFU/100 mL)	< 2,400	900	200
Chlorinated Hydrocarbon Pesticides*		U	U

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U - Indicates that the compound was analyzed for but not detected.

\* All Chlorinated Hydrocarbon Pesticides are listed in the laboratory results that are attached. None of the listed parameters were detected.

SW-1: Discharge.





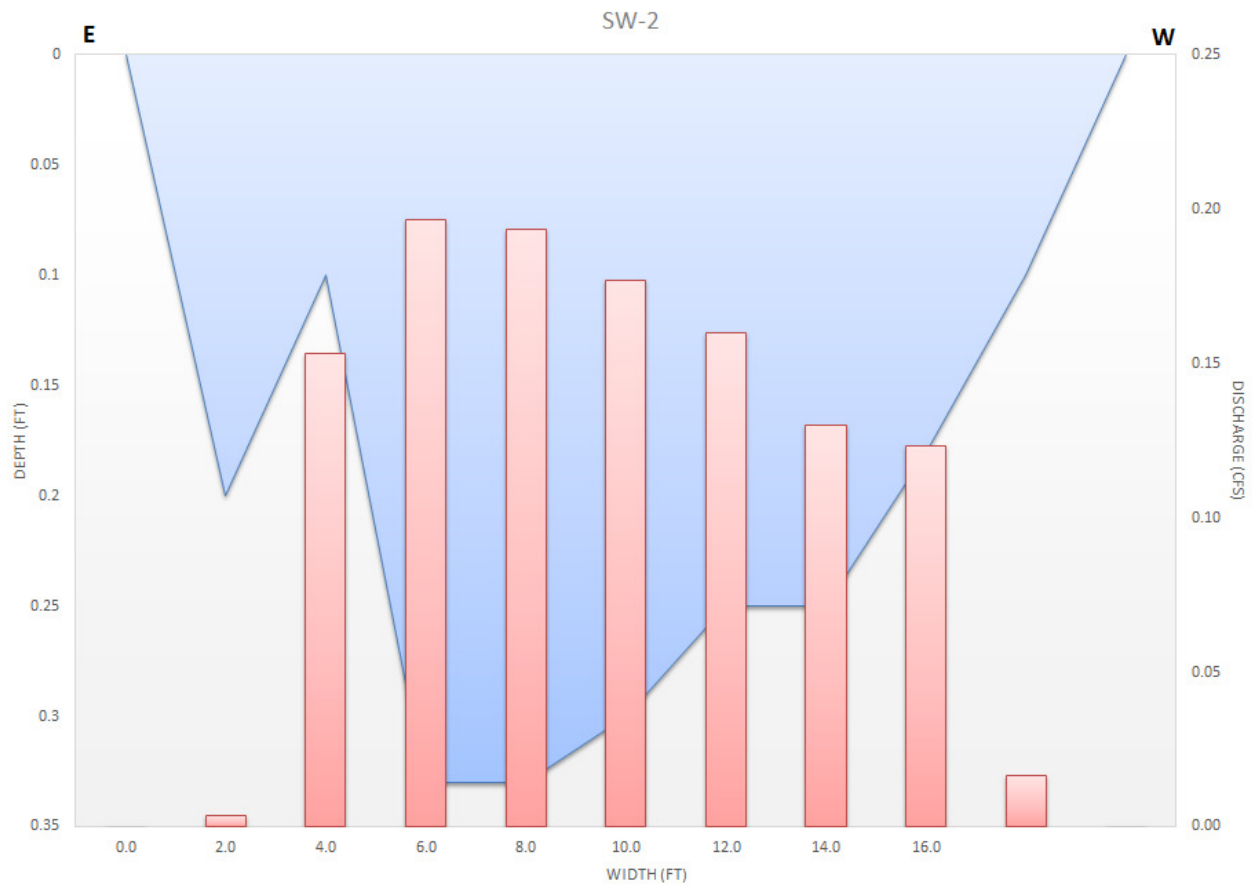
SW-1: Upstream.



SW-1: Downstream.



SW-2: Discharge.





SW-2: Upstream.



SW-2: Downstream.

