



## **Hampton Roads Sanitation District Flow & Rainfall Monitoring Virginia Beach, Virginia**

### **Client**

Hampton Roads Sanitation District

### **Scope of Work**

Goel Services, Inc. was contracted to provide Flow and Rainfall Monitoring for Hampton Roads Sanitation District.

Goel installed thirty-nine (39) flow meters and eight (8) rain gauges in various locations throughout the collection system.

These meters and rain gauges were maintained on a weekly basis for the reliability of data and weekly reports were submitted to the client in paper form and CD format.

**Period of Performance:** May 2008 – March 2009

**Type of Work:** Flow & Rainfall Monitoring





## **Easton Area Joint Sewer Authority Regional Flow Metering Study Easton, Pennsylvania**

### **Client**

Easton Area Joint Sewer Authority

### **Scope of Work**

Goel Services, Inc. was contracted to provide the Flow Metering Study for the Easton Area Joint Sewer Authority. This contract was performed in two (2) Phases.

#### **Phase I – Spring Metering**

Goel installed twenty-five (25) temporary flow meters for a period of one (1) month as part of a capacity study. The flow meters were maintained on a weekly basis for the reliability of data. All data collected from this project provided the Sewer Authority with a current condition of the collection system of the areas studied.

#### **Phase II – Summer Metering**

Goel installed ten (10) temporary flow meters for a period of one (1) month as part of a capacity study for the Easton Area Joint Sewer Authority. The flow meters were maintained on a weekly basis for the reliability of data. All data collected from this project provided the Sewer Authority with a current condition of the collection system of the areas studied.

Goel Services was also tasked to perform these services in 2009.

**Period of Performance:** January 2008 – Current

**Type of Work:** Flow & Rainfall Monitoring; Inflow/Infiltration studies



## **Washington Dulles International Airport Flow Metering Project Manassas, Virginia**

### **Client**

Video Pipe Services

### **Scope of Work**

Goel Services was contracted by Video Pipe Services, Inc. (VPS) to perform the scope of Services as follows:

- Flow Monitoring of eight (8) locations and one (1) rain gauge for four (4) consecutive weeks. Additional weeks for flow monitoring may be authorized by the Metropolitan Washington Airports Authority, at the sole discretion of the Metropolitan Washington Airports Authority, if necessary.

**Period of Performance:** December 2008 – February 2009

**Type of Work:** Flow & Rainfall Monitoring





## **DC Water & Sewer Authority (DCWASA) Potomac Interceptor Branch Washington, DC**

### **Client**

District of Columbia Water & Sewer Authority (DC WASA)

### **Scope of Work**

Maintain five (5) DCWASA owned Hach/American Sigma Model 950 flow meters that are currently installed at five (5) permanent metering sites along the Potomac Interceptor Sewer and one (1) Hach/American Sigma Model 2149 rain gauge.

**Period of Performance:** October 2007 - Current

**Type of Work:** Flow Metering and Rainfall Monitoring





## **Sanitary Sewer Evaluation Study (SSES) and Inflow/Infiltration (I/I) Study at National Naval Medical Center Bethesda, MD**

### **Client**

Video Pipe Services, Inc.

### **Scope of Work**

Goel Services was contracted by Video Pipe Services, Inc. (VPS) to perform the scope of Services as follows:

- Flow Monitoring of eleven (11) locations and two (2) rain gauges at the National Naval Medical Center
- Approximately one hundred (100) manhole inspections.

**Period of Performance:** December 2008 – Current

**Type of Work:** Flow Metering, Rainfall Monitoring and Manhole Inspection





**Washington Suburban Sanitary Commission (WSSC) Contract No. 4405  
for Cleaning, Closed Circuit Television (CCTV) Inspection, Manhole  
Inspections and Global Positioning Survey (GPS) of Existing Sanitary  
Sewers  
Montgomery County, MD**

**Client**

TRB Specialty Rehabilitation

**Scope of Work**

Goel Services was contracted by TRB Specialty Rehabilitation to perform the scope of Services as follows:

- Qty. 482 - Manhole Inspections of Existing Sewers
- Qty. 348 - Global Positioning Survey (GPS) of Existing Sanitary Sewers

**Period of Performance:** February 2005 – September 2005

**Type of Work:** Manhole Inspections and Global Positioning Survey (GPS) of Existing Sanitary Sewers



**DC Water & Sewer Authority (DCWASA) (Project No. WAS-05-006-AA-TB –Sewer inspection and cleaning – Division 2 and Project No. WAS-05-007-AA-TB – Division 3),**

## **Client**

District of Columbia Water & Sewer Authority (DC WASA)

## **Scope of Work**

- 126,123 LF of Sonar/Combo CCTV
- 523,347 LF of CCTV
- 4,896 Manhole Inspections

**Period of Performance:** October 2006 – August 2007

**Type of Work:** Manhole Inspections, CCTV, Sonar/Combo CCTV





**DC Water & Sewer Authority (DCWASA) - (Contract No. DCFA #381-WSA)  
Washington, DC**

**Client**

District of Columbia Water & Sewer Authority (DC WASA)

**Scope of Work**

Goel Services was contracted by District of Columbia Water & Sewer Authority (DC WASA) to perform the scope of Services as follows:

- 16,646 LF of CCTV
- 52 Manhole Inspections
- 3,246 LF of Sonar/Combo CCTV

**Period of Performance:** June 2007 – September 2007

**Type of Work:** Manhole Inspections, CCTV, Sonar/Combo CCTV





**DC Water & Sewer Authority (DCWASA) - (Project No. GOEL-3A-2008-2  
–Sewer Inspection and leaning – Palisades Neighborhood),  
Washington, DC**

**Client**

District of Columbia Water & Sewer Authority (DC WASA)

**Scope of Work**

Goel Services was contracted by District of Columbia Water & Sewer Authority (DC WASA) to perform the scope of Services as follows:

- 27,921.80 LF of CCTV
- 89 Manhole Inspections
- 81 Cleaning of Catch Basins

**Period of Performance:** May 2008 – July 2008

**Type of Work:** Manhole Inspections, CCTV, Cleaning of Catch Basins





## **DC Water & Sewer Authority (DCWASA) (Engineering Assistance for the B St\New Jersey Avenue Sewer Project), Washington, DC**

### **Client**

District of Columbia Water & Sewer Authority (DC WASA)

### **Scope of Work**

Goel Services was contracted by District of Columbia Water & Sewer Authority (DC WASA) to perform the scope of Services as follows:

- Combined Sewer Inspection and Structure Documentation of 14 trunk sewer segments
- Approximately 20,000 lf

**Period of Performance:** June 2009 - Current

**Type of Work:** Combined Sewer Inspection





## **City of Newport News SSES Plan – Night Flow Isolations Newport News, VA**

### **Client**

Whitman, Requardt & Associates, LLP

### **Scope of Work**

Goel Services was contracted by Whitman, Requardt & Associates, LLP to perform the scope of Services as follows:

- Night flow Isolations to be conducted within SSES Basins to trace sources of infiltration
- Approximate Qty. 350,000 LF

**Period of Performance:** June 2009 – Current

**Type of Work:** Night time flow measurements

