

## Opinion of Probable Construction Costs

**Project Description:** Gravel Springs (aka Morgan Falls) Pump Station

**Design Phase:** Preliminary

**By:** KM, Precision Planning, Inc.

Spec No.	Description	Units	Est. Quantity	Unit Price	Item Total
<b>Pump Station</b>					
	Pump Station, site work, etc. per Gwinnett County Standards	LS	1	\$600,000	\$600,000
<b>Force Main Linework</b>					
	Force Main - 4" Diameter DIP	LF	2,930	\$80	\$234,400
	Air Release Valve	EA	2	\$4,300	\$8,600
	12" Steel Casing, Open Cut Installation	LF	380	\$70	\$26,600
	12" Steel Casing, Jack & Bore Installation	LF	80	\$140	\$11,200
	Freebore Under Pavement	LF	40	\$80	\$3,200
	Rock Excavation	CY	650	\$120	\$78,000
	Tie to Existing Manhole	EA	1	\$5,000	\$5,000
	Corrosion Protection - Discharge Manhole	VF	12	\$100	\$1,200
	1" PVC Water Service Tap & Meter	EA	1	\$1,500	\$1,500
	1" PVC Water Pipe	LF	1,410	\$25	\$35,250
	Erosion Control Including NPDES Monitoring	LS	1	\$40,000	\$40,000
	Site Restoration (Sod, Landscaping, Etc.)	LS	1	\$10,000	\$10,000
	Sidewalk	LF	260	\$15	\$3,900

SUB-TOTAL \$1,058,850

20% CONTINGENCY \$211,770

**TOTAL \$1,270,620**

Pump Info:

Calcs:  $Q=230$  gpm,  $Static H = 42'$ ,  $TDH = 130'$ .

- Notes:
1. Prices based on recent pump station & sewer projects in Gwinnett County.
  2. Contingency costs are based on 20% of the estimated construction costs.
  3. Rock Excavation assumes rock for 2' depth for entire length of Force Main X 3' wide trench.