



220 West Kensing Drive
Suite 100
Cranberry Township, PA 16066
724.779.4777
www.hrg-inc.com

Via Email

September 14, 2022

Mr. Michael Malak, P.E.
Director of Engineering and Environmental Services
2525 Rochester Road
Cranberry Township, Pennsylvania 16066

Re: Franklin Acres Pump Station Upgrade
Force Main Design Supplement

Dear Mr. Malak,

Herbert, Rowland & Grubic, Inc. (HRG) is pleased to submit the following SUPPLEMENT to the referenced AGREEMENT, executed on August 8, 2022, to provide supplemental Engineering Services in response to your verbal request on August 23, 2022.

GENERAL PROJECT DESCRIPTION

It is our understanding that the Franklin Acres Pump Station (PS), which was originally constructed in 1979 and upgraded in 1989, is in need of significant improvements. In general HRG shall:

- > review records including Wasteload Management Report (Chapter 94) flows, existing operational records and the sewer system flow monitoring data collected by the Township;
- > prepare preliminary and final design drawings for improvements; and
- > obtain the required permits.

It is understood that the PS upgrade should be constructed at the same site of existing Franklin Acres Pump Station and, if possible, maintain the use of the existing generator. Design of the new PS will include Smith and Loveless packaged pump station that will connect to the existing force main, a new control building to house electrical, SCADA, odor control equipment, and a bathroom; necessary site improvements including paving, stormwater controls, site fencing and site lighting; and demolition of the existing pump station. HRG shall determine if a new generator is required and, if so, will design and specify that as well.

This supplemental service is needed as Cranberry Township has requested that the existing Franklin Acres Pump Station's force main, approximately 5,400 feet of 8" force main, be replaced which will require additional design and permitting.

SCOPE OF SUPPLEMENTAL SERVICES - Refer to Exhibit 1

COMPENSATION

We propose to complete this supplemental work, identified in Exhibit 1, for Phases 01, 02, and 03, for a supplemental Lump Sum of:

	Phase 01	Phase 02	Phase 03
Original Contract	\$ 14,600.00	\$ 52,100.00	\$ 62,600.00
Supplement	\$ 0.00	\$ 52,900.00	\$ 13,400.00
Revised Contract	\$ 14,600.00	\$ 105,000.00	\$ 76,000.00

The work will be subject to the General Conditions of the original AGREEMENT. Our policy is to render invoices monthly based on the percentage of completion.

We propose to complete this supplemental work, identified in Exhibit 1, for Phases 04, 05, and 06 on a time and materials basis with an estimated fee of:

	Phase 04	Phase 05	Phase 06
Original Contract	\$ 0.00	\$ 0.00	\$ 0.00
Supplement	\$ 7,500.00	\$ 2,500.00	\$ 1,500.00
Revised Contract	\$ 7,500.00	\$ 2,500.00	\$ 1,500.00

This work will be subject to the General Conditions of the original AGREEMENT, our current Fee Schedule and Billable Expense Schedule. Our policy is to render invoices monthly based on the time and expenses incurred. When the cumulative compensation reaches 75% of the estimated compensation, HRG will notify the CLIENT of any adjustments to the estimated total.

COMPLETION

The CLIENT and HRG agree that the supplemental services will modify the time of completion upon receipt of your execution of this SUPPLEMENT as follows:

	Sewage Facilities Planning	Preliminary Design	Permitting	Final Design
Original Contract*	6	6	4	8
Supplement*	0	2	6	3
Revised Contract*	6	8	10	11

*Time in weeks as detailed in original contract

AUTHORIZATION

We have developed this SUPPLEMENT specifically with your project needs in mind. To execute this SUPPLEMENT and indicate your acceptance of these terms, and authorize the work to begin, please sign the CLIENT acceptance below and return a copy to our office.

Mr. Michael Malak, P.E.
Franklin Acres Pump Station Upgrade – Force Main Supplement
September 14, 2022

This SUPPLEMENT and all attachments constitute an offer to amend the current contract with you. By having an authorized individual execute this SUPPLEMENT, you agree that you have read and understand this proposed SUPPLEMENT and all of its attached Exhibits and that you agree to all of the terms.

This SUPPLEMENT shall remain open and may be accepted by the CLIENT for thirty (30) days from the above date. Acceptance of the SUPPLEMENT after the end of the 30-day period shall be valid only if HRG elects, in writing, to reaffirm the SUPPLEMENT and waive its right to reevaluate and resubmit the SUPPLEMENT.

If you have any questions concerning our SUPPLEMENT, including the attached Exhibits, please feel free to contact me to discuss them in greater detail. We appreciate the opportunity to provide you with professional services in this capacity and look forward to continuing to work with you on this project.

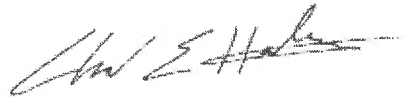
Sincerely,

APPROVED BY:

HERBERT, ROWLAND & GRUBIC, INC.



James A. Feath, RLA
Assistant Vice President



Chad E. Hanley, P.E.
Group Manager | Water & Wastewater

CEH/JDK/SCS/kmg
R001261.0559

Project\0012\001261_0559\Admin\Control\Additional Services\2022.09.14 FM Supplement.docx

Enclosures

ACCEPTED BY:

CLIENT- CRANBERRY TOWNSHIP	TITLE	DATE
----------------------------	-------	------

Proprietary Notice

This SUPPLEMENT contains proprietary information regarding Herbert, Rowland & Grubic, Inc. and is a work product containing business sensitive materials. This SUPPLEMENT was prepared in response to your request for your specific project and no portion of this SUPPLEMENT may be shared with any other party.

EXHIBIT 1 SUPPLEMENTAL SCOPE OF SERVICES

In order to meet your needs as outlined in the above paragraph, HRG proposes the following supplemental scope of services:

Phase 01: Sewage Facilities Planning

In addition to the items listed in the original contract, HRG shall include the force main replacement in the sewage facilities planning. General items include:

- > PNDI and PHMC search applications will be prepared and submitted to be inclusive of force main replacement; HRG assumes no potential impact will be identified.

Phase 02: Design and Permitting

In addition to the items listed in the original contract, HRG shall include the force main replacement in the design and permitting. General items include:

- > Submit a PA One Call to facilitate the location of any underground utilities.
- > Topographic survey of the Project area to include roadway rights-of-way plus 10' on each side of the roads impacted.
- > Prepare a basemap in AutoCAD Civil 3D to show existing force main alignment and existing conditions along proposed force main alignment.
- > Prepare Preliminary Construction Plans (Preliminary Plans) that depict the required improvements for permitting purposes and reflect 30% Design. The Preliminary Plans will be prepared in AutoCAD Civil 3D at an appropriate scale and be included with the pump station drawings. The Preliminary Plans will generally consist of the following general format:
 - Force Main Plans & Profiles
 - Construction Details
- > Include the force main in the application for a Water Quality Management (WQM) Permit for the proposed pump station and submit to the PADEP for review.
- > HRG shall prepare a Cranberry Township Road Occupancy Permit.
- > If required, HRG shall prepare an Adams Township Road Occupancy Permit.
- > Prepare an application for a Highway Occupancy Permit (HOP) for construction along identified state owned roadways and submit to the Pennsylvania Department of Transportation (PENNDOT) for review. It is anticipated that the crossing of Franklin Road will require an open-cut installation.
- > Prepare an application for a National Pollutant Discharge Elimination System (NPDES) Permit for stormwater discharges during construction and submit to the Butler County Conservation District (BCCD) for review. HRG will prepare and submit a NPDES Permit since it is anticipated that limit of disturbance will be greater than one (1) acre. If required, a small projects application will be made.
 - Prepare one (1) response letter to any comments received
- > Prepare an opinion of probable construction cost inclusive of the force main replacement for the Township's reference based upon the Preliminary Plans.
- > Attend one (1) additional meeting with Township representatives to review the proposed Preliminary Plans (30% Design) and discuss the opinion of probable construction cost.

- > Identify existing easements and necessary easements, if any, required to construct proposed facilities.
- > Address comments received from the Township. One (1) round of plan revisions associated with these comments is anticipated.
- > All permit application fees will be paid by Township and are not included in HRG's fee.

Phase 03: Final Design

In addition to the items listed in the original contract, HRG shall include the force main replacement in the final design. HRG anticipates additional technical specifications to the project manual, along with additional details, and plan drawings will be required to include force main replacement.

Phase 04: Wetland Investigations

HRG shall perform the following services if deemed necessary for design and permitting.

- > HRG will complete an absence/presence wetland study to identify approximate wetland boundaries to be used in the permitting effort. For this proposal, it is assumed that all wetland impacts will be temporary in nature and will not require any form of mitigation. HRG will compile the findings of the wetland study in a technical memorandum and will capture the wetland boundaries utilizing a handheld GPS unit.
- > The presence of wetlands will trigger the need for Chapter 105 General Permits, as needed. HRG shall prepare and submit PADEP Chapter 105 General Permit Applications for Water Obstructions and Encroachment for any located wetland crossings and stream crossings on the project.

Phase 05: EPA Grant Assistance and Compliance

HRG shall assist the Township with their EPA Grant application as requested. Work under this phase includes, but not limited to, attend meetings as requested with funding partners, prepare environmental clearance applications beyond those discussed above, prepare a report to demonstrate consistency with grant funding, and correspondence with the EPA.

Phase 06: Easement Assistance

If required, HRG will prepare easement plats as per Township direction. Meetings with property owners, field stake-out of proposed alignments, owner negotiations, etc. would be charged to this Phase.