ENGINEERING SERVICES TASK ORDER

In accordance with Section 1.2 of the MASTER CONTRACT between the Village of La Grange (the "Village") and Heuer & Associates, P.C. (the "Consultant"), the parties agree to the following described Task.

TASK ORDER NUMBER: HA2010.008

TASK NAME: Preliminary Engineering - South Basin Drainage Study

CONTRACTED SERVICES:

The final work product for this task will be a technical report that will evaluate the existing combination sewer system and outline the various alternative construction and operating approaches that may be considered in addressing surface flooding and basement flooding problems. Three basic components of work will be involved in the preparation of the report.

1. The first component involves a sewer system capacity analysis.
2. The second component involves an alternatives analysis.
3. The third component involves the preparation of the final report outlining the findings of the capacity analysis and alternatives analysis.

The technical report will outline analytical assumptions, computational findings, various planning exhibits, cost tables, and associated descriptive narratives. In this regard the report will address the following planning objectives that have been identified.

- Provide an assessment of the capacity of the Village's existing sewer system based upon available records of sewer elevation and configuration, topography, rainfall, and recent property flooding. The sewer capacity will be quantified for various storm events employing established computational methodologies and computer based simulation software.

- Provide an assessment of the topographic and drainage characteristics of the principal drainage basins, including in particular the region associated with the La Grange Country Club. In this assessment the drainage volumes and rates discharging into the Villages sewer system and rights-of-way will be computed and their impacts evaluated.

- Provide an assessment of the various flood reduction strategies that might be implemented, including planning as well as structural measures. The level of protection against flooding provided by the alternative strategies will be defined and evaluated. The flood reduction strategies will include the construction of a relief sewer system, the reconstruction of portions of the existing combination sewer system, the construction of separated storm and sanitary sewer systems, the construction of flood control measures within the LaGrange Country Club property, the construction of a flood water barrier along Brainard Avenue, the construction of improvements within private property, and administrative measures involving the regulation of land development or redevelopment projects.

- Provide an assessment of the probable costs and benefits for the various alternatives, including detailed tabulated estimates that define comparative scope. This portion of the report will provide specific and general recommendations. The recommended infrastructure improvements will be founded on an analysis of the associated costs and benefits. The general recommendations will identify possible areas where drainage policy may need to be amended.

- Provide an assessment of regulatory requirements or issues associated with the implementation of the flood reduction strategies. The topics expected to be considered include flood zone regulations of the Federal Emergency Management Agency (FEMA), the sewer discharge and overflow regulations of the United States Environmental Protection Agency (USEPA), and the sewer use and management requirements of the Metropolitan Water Reclamation District of Greater Chicago (MWRD).

The format or structure of the report will provide for specific divisions pertaining to the various general and technical topics. An executive summary which summarizes the findings of the report will be included to aid general understanding and discussion.

PROJECT SCHEDULE: The following presents an outline of the project schedule.

ACTIVITY	COMPLETION DATE
Drainage Analysis	October 31, 2010
Alternatives Analysis	October 31, 2010
Cost Analysis and Final Report	October 31, 2010

PROJECT COMPLETION: October 31, 2010 is the anticipated date for project completion.

PROJECT PRICING: Project specific pricing is provided in ATTACHMENT A.
The total estimated cost for this task is $25,146.92

CONTRACT CHANGES: There are no anticipated changes to the Master Contract.

VILLAGE:

Signature

Ryan C. Gillingham, P.E.
Director of Public Works

Date

CONSULTANT:

Signature

Thomas A. Heuer, P.E.
President

August 5, 2010
Date

NOTE: If greater than $2,000, the Village Manager's signature is required.

Signature

Robert J. Pilipiszyn
Village Manager

Date

NOTE: If greater than $10,000, the Village Board must approve the Task Order in advance and the Village President's signature is required.

Signature

Elizabeth Asperger
Village President

08-09-10
Date

TASK ORDER ATTACHMENT A

The following table provides projected labor hours to define the estimated cost for the completion of the Task Order. The hourly rates reflect the values approved under the Master Agreement.

PROJECT SPECIFIC PRICING TABLE TASK ORDER NO. HA2010.008						
Labor Category	Hourly Rate	Activity 1: Drainage Analysis	Activity 2: Alternatives Analysis	Activity 3: Cost Analysis & Final Report	Total Hours	Total Cost
Principal Engineer	$117.44	8	10	50	68	$7,985.92
Project Engineer	$94.08	0	0	0	0	$0.00
Project Engineer	$87.80	85	35	30	150	$13,170.00
Project Engineer	$74.62	0	0	0	0	$0.00
Project Engineer	$71.36	0	30	10	40	$2,854.40
Engineering Assistant	$63.66	0	0	10	10	$636.60
Hour Sub-totals:		93	75	100	268	
Cost Sub-totals:		$8,402.52	$6,388.20	$9,856.20		
Other Direct Costs:						$500.00
TOTAL for Task Order Project.						$25,146.92