



9575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065



CONSULTING ENGINEERS

SITE DEVELOPMENT ENGINEERS

LAND SURVEYORS

October 2, 2012

Mr. John Ingram
Village of Orland Park Public Works
15655 Ravinia Avenue
Orland Park, IL 60452
Phone: (708) 403-6350
Fax: (708) 403-6215

**RE: PROFESSIONAL SURVEYING SERVICES AGREEMENT
VILLAGE OF ORLAND PARK STORM SEWER GIS SURVEY
VILLAGE OF ORLAND PARK, ILLINOIS
SPACECO PROJECT No. 5860**

Mr. Ingram:

In response to your request, SPACECO, Inc. is pleased to provide you with this proposal for professional services related to the development of a storm sewer atlas for the Village of Orland Park, Illinois. The purpose of these services is to provide field surveying and office processing of the field data. The following describes our Understanding of the Scope of Work and Fee.

Based on the previous work performed since 2008 we are hereby submitting this proposal to continue the survey of the storm system in the Village.

SCOPE OF WORK

Our scope of work will be to locate all public and private (except golf courses & Forest Preserves) storm sewers 8" and larger and structures with 3.0' horizontal accuracy and the best vertical (rim) accuracy from the data collected from the GPS System. We anticipate the vertical accuracy to be similar to work previously performed in the test area.

The following data will be collected for each structure:

STORM SEWER STRUCTURES

<u>Parameter</u>	<u>Option</u>	<u>Parameter</u>	<u>Option</u>
Structure #:	##### (Numeric)	Structure #:	
Structure Type:	MH	Structure Type:	Restrictor
	Conflict MH		MH
	FES		Headwall
	Other		Open End
Grate Type:	Solid-Closed	Grate Type:	Ditch Stool
	Flat Round		Directional
	Other		Rectangular
Structure Setting:	Turf	Structure Setting:	Curbline
	Driveway		Landscaping
	Parking Lot		g
Structure Size:	24"	Structure Size:	60"
	72"		Other
Rim Elevation (USGS Ft.):	###.## (Numeric)	Rim Elevation (USGS Ft.):	
Lowest Pipe Depth (ft.):	##.## (Numeric)	Lowest Pipe Depth (ft.):	
Comments:	Text	Comments:	

PIPE SEGMENT

<u>Parameter</u>	<u>Option</u>
Pipe Size:	8" 10" 12" 15" 18" 21" 24" 27" 30" 36" 42" 48" 54" 60" 72" Other
Pipe Type:	Round Elliptical Box Arch
Pipe Material:	Concrete PVC Plastic-Other D.I.P.
Restrictor	CMP Clay Relined Other
Length of Segment:	#### (ft.)

Highlighted items indicate default value

The final deliverable will be the ArcGIS Geodatabase identifying the structure number (starting with point number 100), a Northerly and Easterly State Plane Coordinate, Identification Code (as listed above) and the degree of accuracy (3D Quality).

Our survey crew/crews will correspond with you or an appointed staff member with a list of structures that cannot be found, are buried or are filled with water or debris. If we encounter structures that are buried an inch or less below the surface in unpaved areas our crews will uncover but will not restore the area. After the Village has found, cleaned or uncovered the structure we will return to complete the data collection at an additional fee of 50% of the stated fee. The number of structures to be billed at this additional fee will be agreed upon on a weekly basis.

It is assumed that the Village will continue to provide us copies of the storm sewer Atlas Maps. Our field personnel will have vehicle signage identifying them as a Village contracted consultant. All of our field personnel will have a photo ID identifying them as a SPACECO employee. SPACECO will provide traffic control, where necessary, for our employees and will be billed as a reimbursable expense. We propose all data be tied into NGS reference stations.

FEE: \$48.00 per structure, ie: manhole, inlet, catchbasin, FES, culvert end, dam.

We will establish our contract in accordance with the previously agreed upon General Terms and Conditions, which are expressly incorporated into and are an integral part of this contract for professional services.

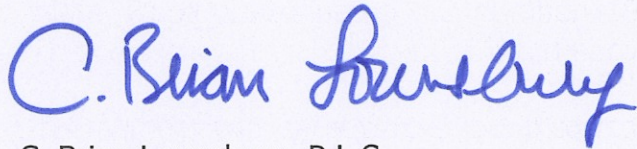
We agree to wave any escalator thru 2016. All reproductions and delivery services will be billed to the Client on a cost plus 10% basis.

If this proposal meets with your approval, please sign both copies and return one to us for our files.

I thank you for the opportunity to provide this proposal and look forward to working with you.

Sincerely,

SPACECO, Inc.



C. Brian Lounsbury, P.L.S.
Vice President

CBL/mb

c: William Loftus, Rob Stawik - SPACECO, Inc.
Travis Parry - Christopher B. Burke Engineering, Ltd.

ACCEPTED FOR: _____

BY: _____

TITLE: _____

DATE: _____