



Task Order No. 19-01
Village of Grayslake, Illinois (OWNER)
and Strand Associates, Inc.® (ENGINEER)
Pursuant to the Agreement for Technical Services dated September 17, 2014

Project Information

Project Name: Well No. 5 Drilling and Well Facility

Services Description: Design and bidding-related Services for the drilling of a new deep aquifer well and a new well facility.

Scope of Services

ENGINEER will provide the following services to OWNER:

Design Services–Well Drilling

1. Prepare a topographic site survey of the proposed Well No. 5 site located at OWNER's existing water storage tank location on Lincoln Avenue.
2. Prepare final design of the Well No. 5 bore hole based on a desired capacity of 500 gallons per minute to include a review of geological formation, bore hole and casing sizing, and grouting requirements.
3. Prepare Bidding Documents using OWNER's standard Bidding and Contract Documents, technical specifications, and engineering drawings.
4. Submit Bidding Documents to OWNER for review and input.
5. Prepare prebid opinion of probable construction cost for project and submit to OWNER.
6. Attend one meeting with OWNER to review the draft bidding documents, incorporate review comments, and submit two copies of the final bidding documents to OWNER.
7. Submit drawings, specifications, and associated forms to the Illinois Environmental Protection Agency for approval.

Bidding-Related Services–Well Drilling

1. Distribute Bidding Documents electronically through QuestCDN, available at www.strand.com and www.questcdn.com. Submit Advertisement to Bid to OWNER for publishing.
2. Prepare addenda and answer questions during bidding.
3. Attend bid opening, tabulate and analyze bid results, and assist OWNER in the award of the Construction Contract.
4. Prepare three sets of Contract Documents for signature.

Village of Grayslake
Task Order No. 19-01
Page 2
January 11, 2019

Design Services–Well Facility

1. Assist OWNER with procurement of geotechnical services for soil borings.
2. Prepare Bidding Documents using OWNER's standard Bidding and Contract Documents, technical specifications, and architectural, civil, structural, mechanical, electrical, and engineering drawings. Bidding Documents are anticipated to contain the following:
 - a. Line shaft well pump located inside the new facility.
 - b. Space for sodium hypochlorite chemical feed equipment.
 - c. Associated pumping, metering, valves, and controls to be integrated into the existing supervisory data control and acquisition system.
 - d. Landscaping and grading drawings.
 - e. Asphalt driveway.
 - f. Water main, sanitary sewer, and utilities within limits of the property.
3. Submit Bidding Documents to OWNER for review and input.
4. Prepare prebid opinion of probable construction cost for project and submit to OWNER.
5. Submit drawings, specifications, and associated forms to the Illinois Environmental Protection Agency for approval.

Bidding-Related Services–Well Facility

1. Distribute Bidding Documents electronically through QuestCDN, available at www.strand.com and www.questcdn.com. Submit Advertisement to Bid to OWNER for publishing.
2. Prepare addenda and answer questions during bidding.
3. Attend bid opening, tabulate and analyze bid results, and assist OWNER in the award of the Construction Contract.
4. Prepare three sets of Contract Documents for signature.

Compensation

OWNER shall compensate ENGINEER for Design Services–Well Drilling and Bidding-Related Services–Well Drilling under this Task Order on an hourly rate basis plus expenses a not-to-exceed fee of \$29,000. OWNER shall compensate ENGINEER for Design Services–Well Facility and Bidding-Related Services–Well Facility under this Task Order on an hourly rate basis plus expenses a not-to-exceed fee of \$83,000.

Village of Grayslake
Task Order No. 19-01
Page 3
January 11, 2019

Schedule

Services will begin upon execution of this Task Order, which is anticipated the week of January 21, 2019. Services are scheduled for completion on February 28, 2020.

OWNER's Responsibilities

In addition to the items listed in the associated Agreement for Technical Services, OWNER shall be responsible for the following.

1. Select and hire the geotechnical consultant.
2. Provide the front end documents that require the contractor to name ENGINEER as an additional insured on contractor's General Liability and Automobile Liability insurance policies and to indemnify ENGINEER to the same extent that the contractor insures and indemnifies OWNER.

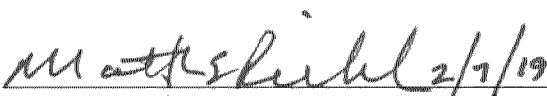
TASK ORDER AUTHORIZATION AND ACCEPTANCE:

ENGINEER:

OWNER:

STRAND ASSOCIATES, INC.®

VILLAGE OF GRAYSLAKE

 2/7/19
 Matthew S. Richards Date
 Corporate Secretary

^{UBK}
 1-31-19
 Michael Ellis Date
 Village Manager



Strand Associates, Inc.®
 910 West Wingra Drive
 Madison, WI 53715
 (P) 608-251-4843
 (F) 608-251-8655

Transmittal Letter

DATE: February 8, 2019 PROJECT NO. 3876.008

COMPANY NAME: Village of Grayslake
 ATTENTION: Mr. Bill Heinz
 ADDRESS: 10 S. Seymour Avenue
 CITY/STATE/ZIP: Grayslake, IL 60030
 RE: Task Order 19-01

WE ARE SENDING YOU:

- | | | | |
|---|-----------------------------------|--|---|
| <input type="checkbox"/> Change Order | <input type="checkbox"/> Drawings | <input type="checkbox"/> Samples | <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Enclosed | <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Under Separate Cover |
| <input type="checkbox"/> Other | | | |


Copies	Date	No.	Description
1			Task Order No. 19-01

ITEMS TRANSMITTED AS SHOWN:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Approved as noted-Resubmit | <input type="checkbox"/> Additional Information Required |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> Not Approved | <input type="checkbox"/> For signature |
| <input type="checkbox"/> Other | | |

REMARKS:

Bill,
 Enclosed is your signed copy of Task Order No. 19-01 for the well drilling and facility design. Thanks!

Signed 
 Mike Forslund

Copy to: File

Questions on Work Order – Well

1. What investigative steps did consultant take before selecting this site?

2. From steps in item 1 do we know we can achieve a well that meets our capacity needs?

3. Emergency well capacity:
 - Meet average day demand in 2040 with well 4 (120 days)
 - Latest water use projections (Gewalt)
 - Don't thread the needle
 - Can 700 acres south of Peterson Road (residential) be added through bigger pumps?

4. Work order says well of 500 gallons/minute (GPM)
 - 500 GPM = 720,000 GPD
 - Well 4 = 725,000 GPD
 - Total = 1,445,000 – far short of 2040 projection

5. Have we checked with IEPA conceptually about our emergency well?

6. Doesn't it seem appropriate to do site soil borings in first state? Why drill well on site we can't build on?

7. Does work cover architectural design of structure?

8. Dollar estimate for Geotech consultant?