



Daedalus Projects, Incorporated

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January 6th, 2020

Mr. William Lovallo
Belmont High School Building Committee, Chair,
19 Moore Street.
Belmont MA 02478

**Re: Belmont High School – DPI Amendment #9
Proposal for Geothermal Well Oversight and Monitoring**

Dear Mr. Lovallo,

Daedalus Projects, Inc. (“DPI”) is pleased to submit a fee proposal to amend our current contract for Owner’s Project Management services for the additional service associated with the geothermal well installation oversight and monitoring.

Tracey Ogden Geothermal Consultant (TOGC) will provide work in accordance with the proposal dated January 6th attached herein. The TOGC fee will be \$49,020. The cost for TOGC will be billed at cost plus 5% in accordance with Article 9 of our Agreement for a total fee of \$52,416.

DPI will also a full-time on-site inspector to facilitate this effort for the duration of the geothermal well installation. The installation is expected to take 180 calendar days. We propose Gabe Suriel for this task. Please see attached resume. Gabe’s time will be invoiced at \$85/hour. Our estimated fee for this will be:
40 hrs. per week x \$85 per hour x 26 weeks = \$88,400
DPI will invoice this at based on actual time.

Compensation:

Tracey Odgen Geothermal Consultant	\$49,920
%5 DPI Mark Up on Consultant	\$2,496
DPI on site representative	<u>\$88,400</u>
	\$140,816

We suggest a not to exceed budget of \$141,000 be for this service. Should we approach this upset limit we will immediately inform you and reevaluate the budget requirements.

Very truly yours,

Shane Nolan
DAEDALUS PROJECTS, INC.



Tracey Ogden-Geothermal Consultant

346 Boylston Street
Lowell Ma 01852

Bill To

CHA
c/o: Thomas G. Gatzunis, P.E., C.B.O Senior Prj Manager
1 Faneuil Hall Marketplace,
South Market Suite# 4195
Boston Ma 02109

Estimate

BelHS-4b

Estimate Date

01/06/2020

Belmont Middle & High School (New)

Description

Amount

I am pleased to provide the following quotation to suit the New Belmont Middle & High School Geothermal Third Party Inspection Services.

49,920.00

-SCOPE:

General Contractor: Skanska

Drilling Contractor: Chesapeake Drilling

Proposed Drilling Schedule: 180 calendar days/100 working days; (3) active rigs on site.

-Inspector: Tracey A. Ogden

Estimated

(1) person 20 hrs a week, Pre-construction coordination, on-sight field observation as needed, troubleshooting, coordination with CHA field staff & Building Team members, submittal review, field training, calls and general drilling & geothermal project oversight. Include travel time to & from site/meetings as needed.

Full time field observation will be provided by CHA.

Timeline: 26 weeks: (180 calendar days/100 field days) @ 20 hours a week @ \$96.00/hour = \$1,920/week

* All Time will be charged hourly, if more/less time is acquired, all billings will be

tallied using a hourly rate.

* BI-weekly billing will be submitted, unless requested otherwise.- payments due in 15 days

Services & pricing detailed include inspection and oversight that the installation of the "Closed Loop Wells" meets the design criteria set forth in the specification 332313-6 for the Belmont Middle & High School. 0.00

Please Note: A detailed work schedule and a contractor specific means and methods has not been provided to me at the time of this quotation. I have provided this price quotation for budgetary purposes and changes in the scope or time of this project could have monetary implications.

Estimate Total

\$49,920.00





Providing Groundwater development services for over 26 years, specializing in drilling & geothermal installation throughout New England.

- Member of the MA cleantech roundtable
- Geothermal Task force Member-MA DEP, geothermal guideline implementation
- Co-founded the New England Geothermal Association

CONTACT

PHONE:
978 204-4221
taogden@comcast.net

HOBBIES

Avid Golfer
Gymnastics Mom

EDUCATION

Oklahoma State

Certificate in Geothermal & Installation, 1997

New Hampshire College

Business Communications, 1993

WORK EXPERIENCE

TAO Consulting, Principal

1/2018 to present

Providing consultant service for geothermal and drilling projects throughout New England and New York. Including early design consultation, bid descope, implantation, project oversight, expert witness services, peer reviews, commissioning and LEED excellence achievement. I provide the gap between the technical designer/OPM and the general contractor.

Geothermal Drilling of New England, Principal

2/1997 to 12/2018

A certified WBE Geothermal drilling and loop contractor in the Commonwealth of MA, specializing in the installation of geothermal earth loop systems and groundwater exploration.

- Drilling: MA, NH, RI, NY, ME
- Heat Exchangers
- Drilling & Loop Design
- Fusions
- Vaults
- Project management
- Permitting
- Filtration
- Commissioning/Inspections

Ogden Enterprises, Inc., Principal

10/1993 to 8/2016

Groundwater Exploration company specializing in domestic, commercial and municipal water systems utilizing rotary, cable tool, drive & wash well techniques.

- Drilling: MA, NH, RI, NY, ME
- Pump Design & Install
- Filtration
- Geothermal
- Hydro-fracturing
- Airburst Technology
- Pump Test
- Inspection
- Permitting

NEGPA, President and former Vice President, Co-founder New England Geothermal Association

1/2011 to 12/2013

A non-profit organization advocating for the geothermal & renewable energy industry.

MGWA, Director

Massachusetts Groundwater Association

1/2009-6/2013

A non-profit organization representing groundwater professionals. Working closely with legislative bodies to be the voice of the groundwater industry.

LICENSES & CERTIFICATES

- LEED AP BD+C, US Green Building Council
- MA Unrestricted Driller #936
- I.G.S.P.H.A. Accredited Geothermal Installer (International Ground Source Heat Pump Assoc)
- Butt, Socket & Saddle Fusion Certified
- NH Small water systems Operator C1-a
- Haz-woper 40, OSHA reg 29 CFR1910 (e)
- OSHA 10, Osha
- OSHA 1926 Construction Standards Certificate
- HAZCOM/GHS Certificate
- Commercial Geothermal Heat Pump Design Certificate-Heat Spring
- Deep Boreholes in GSHP system Design Certificate
- Real Time commissioning of Geothermal Certificate
- Geothermal Heating & Cooling Design & Regulation Certificate, AGWT, American Groundwater Trust
- MA certified WBE in the commonwealth in Geothermal Design & Installation
- Variable Frequency Drives, Motor and Protection device Certificate, Franklin Electric
- Chemical Cleaning, Disinfection and redevelopment of water wells, Johnson Screens
- Geo-Comfort Service & Technician Training, Ener-Tech
- Health Care provider CPR/AED standard first Aid

Geo PROJECTS: (commercial)

- Boston University DSC Geothermal, Boston MA
- Taylor Square Fire Station, Cambridge Ma
- King Open & Upper Middle school, Cambridge MA
- Martin Luther King Middle School, Cambridge MA
- North Shore Community College Geothermal
- Harvard University Barley Hall & Blackstone, Cambridge Ma
- Transitional Women's Home, Cambridge MA
- Belmont Senior Center, Belmont MA
- Berkshire Elementary School
- Bridgewater State Geothermal & Irrigation
- Chilton House of Maine
- Tom's of Maine, Kittery ME
- Holyoke Senior Center, Holyoke MA
- Lowell District Court New, Lowell Ma
- Plymouth State College
- Saco & Biddeford Transportation center, ME
- Saint John's Hospital NH
- Oceanic Saltwater Institute, Situate MA
- US Wildlife Refuge-Sudbury MA
- UMass Amherst
- United States Customs Office