



January 23, 2025

101 Old Lafayette Avenue  
Lexington, Kentucky 40502

**Re: *Geothermal Test Well and K-Test Proposal Review and Recommendation***  
Henderson South Middle School HVAC Renovation  
Henderson, Kentucky  
Marcum No. 24618

Dear Beth,

Marcum Engineering has received and reviewed the geothermal test well and k-test proposals. Based on the attached Proposal Tabulation, Marcum Engineering recommends the acceptance of Durbin Enterprises' proposal in the amount of \$33,978.00. Please note that this amount does not include any surface restoration or hauling-off of any spoils generated in the process. The Owner will also need to provide Durbin Enterprises with a clean water source for drilling and grouting.

Please let me know if you have any questions.

Sincerely,

MARCUM ENGINEERING, LLC

Elijah Arterburn, PE, LEED AP BD+C  
Project Engineer

Attached:

Proposal Tabulation  
Durbin Enterprises Proposal

# PROPOSALS TABULATION

GEOTHERMAL TEST WELL AND K-TEST

HENDERSON SOUTH MIDDLE SCHOOL

PADUCAH, KENTUCKY

MARCUM NO. 24618

JANUARY 23, 2025

<b>CONTRACTOR</b>	<b>ACKNOWLEDGES DOCUMENTS</b>	<b>PROPOSAL AMOUNT</b>
DURBIN GEOTHERMAL; JENNIFER DOEDTMAN	X	\$33,978.00
JACKSON GEOTHERMAL; TOM MIGLIACCIO		DECLINED TO PROPOSE
MIDSOUTH GEOTHERMAL; SCOTT TRIPLETT	X	\$83,470.00
TCI COMPANY; ANDREW LEHMAN		DECLINED TO PROPOSE
MID-STATES CONSTRUCTION; DOUG CRAVENS		DECLINED TO PROPOSE

# Durbin Enterprises, Inc.

dba: Durbin Geothermal  
 PO Box 68  
 Beecher City, IL 62414  
 Phone # 618-487-5402

# PROPOSAL

Date	PROPOSAL #
1/2/2025	31300

Name / Address
Marcum Engineering 500 S 17th St Paducah, KY 42003

Description	Total
<p>Project: Henderson South Middle School HVAC Renovations                      Henderson, KY                      Marcum # 24618</p> <p>Proposal for material and labor to drill 2 - 600 ft bore hole and insert a 1 1/4" polyethylene u-bend loop. Bore hole will be grouted with a 1.2 thermal enhanced grout surface seal. The borehole will be backfilled with #9 crushed limestone. Loop will be capped and left for possible future use. Data logs on formations will be provided. Includes a thermal conductivity test and results for 1 of the test bore holes</p> <p>Use a 1 1/2" unicoil loop ADD \$1,578</p> <p>1. A marking stake showing proposed area for drilling of the bore hole must be set prior to arrival of drilling equipment by engineers.                      2. This proposal includes contacting One call for a utility locates. Any privately owned utility lines will need to be marked by others.                      3. This proposal does not include any spoils removal from site.</p> <p>Please note if this test hole is not used in a future geothermal well field, it will need to be abandoned properly per state codes.</p> <p>Thank you for your consideration.</p>	<p>32,400.00</p> <p>1,578.00</p>
<p>Thank you for your consideration of our proposal</p>	<p><b>Total</b> \$33,978.00</p>