Executive Summary: Geothermal Test Well at Monroe Center Grade School

As part of our district's planned Health & Life Safety (HLS) upgrades for the upcoming summer, we are preparing to install a new geothermal bore field and system at Monroe Center Grade School. Before full-scale engineering and installation can begin, a geothermal test well is required. This test well will provide critical thermal data and drill logs necessary to properly design and size the final geothermal system.

To complete this preliminary phase, we have received two complementary proposals that work in tandem to execute the drilling, testing, and necessary site support. I am recommending the approval of both proposals to ensure the project remains on schedule.

Vendor Proposals & Scope of Work
The required work is split between the specialized geothermal drilling contractor and our mechanical service partner, who will manage the site preparation and safety requirements.

1. TCI Geothermal (Drilling & Testing) will execute the primary drilling and data collection.

- Cost: $30,000.00
- Scope Includes: A 500-foot boring and the installation of a 1.25" SDR9 U-Bend grouted with thermally enhanced bentonite.
- Deliverables: One thermal conductivity test and report, one drill log, and the necessary permit.
- Exclusions: TCI's proposal does not cover construction fencing, utility locates, spoil removal, well staking, or water line access.

2. Helm Service (Site Support & Preparation) To cover the exclusions in the TCI proposal, Helm Service has provided a site support package, detailed in the file "Helm Test Bore Support -Meridian CUSD -MC School 10-29-26 (1).pdf".

- Cost: $19,708.00
- Scope Includes: Staking the proposed well location and coordinating private utility locates through Joint Utility (JULIE).
- Site Management: Installation and tear down of a construction fence, removal of spoils to the back of the property with a skid loader, and proper disposal of created debris.
- Water Access: Connecting a 2" water line to the well spigot and routing a 2" hose to the bore site for the drilling team.

Financial Impact

The total combined cost for the geothermal test well phase is $49,708.00. These costs are a necessary prerequisite for the successful design and implementation of the summer HLS HVAC project.

Recommendation

I recommend that the Board approve both the $30,000.00 proposal from TCI Geothermal and the $19,708.00 proposal from Helm Service. Securing these services now will allow us to gather the vital site data needed to finalize our engineering plans and keep the overall Monroe Center Grade School HVAC upgrade on track for this summer.