



**Purchasing Division**  
Finance Department  
Room 120  
411 West First Street  
Duluth, Minnesota 55802

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**Addendum 5**  
**Solicitation 22-99747**  
**Enger Golf Course Improvements**

This addendum serves to notify all bidders of the following changes to the solicitation documents:

The following questions asked are answered below in bold red italics:

**General Questions**

1. After reviewing the Project Labor Agreement in detail, we are unclear as to whether the PLA would allow our non-union staff to perform all aspects of the work on this project through completion without taking Union Trades personal. We would like a clarification that all of our “non-union employees”, ***being paid the respective wages rates posted in the project manual***, will be allowed to perform all work in the field regardless of trade. Further, we will not be required to sign a union agreement or take any union employees to complete any of the work for the scope of this project. We do recognize that certain subcontractors performing certain portions of this project are union contractors and would use union employees. Please be clear and as detailed with your answer as possible. ***Non-union staff are able to perform all aspects of the work, provided the contractor has signed the Project Labor Agreement (PLA) and is paying the correct wages to the employee and benefits to both the employee and the appropriate union benefit fund. The correct wages to be paid are the highest of any prevailing wage decision included in the bid package and any labor union rate for that trade unit identified in the PLA. Bidders will be required to sign a Construction Contract with the City, and if over \$150,000, will also be required to sign a PLA with the City and Trades Council. Bidders do not need to sign a union agreement with any particular labor union and employees are not required to become a union member. If bidders need to hire additional employees for the project, it's recommended to reach out to the individual trade union contact identified on the last page of the PLA as some unions have exclusive referral systems.***
2. Was there a decision made if the contractor needed to maintain the new turf areas for 30 days or was the course going to maintain? ***Yes, contractor to maintain.***
3. Is the Architect providing Construction Supervision? ***Yes***

4. Will irrigation material be paid for that is securely stored on site if bought after contract award ASAP to avoid price increase. **Yes**
5. Verify the project is tax exempt? ***The City of Duluth is tax exempt but we do not transfer that status to the awarded contractor. Awarded contractors will need to pay sales tax, but cannot charge the City sales tax.***
6. Will the wage rates be locked in for the entire project or will it need increase added for each year? ***The labor unions typically have rate changes every year, which are identified in their agreements. Contact information for each trade is listed on the last page of the project labor agreement.***
7. Are there any core drill sample reports available for the site for rock depth and rock type from the test that where conducted? ***Yes, but limited. Soil boring reports attached as Exhibit A.***

#### **Irrigation Specification & Plan Questions**

1. Section 1.07, A. Can GPS generated CAD drawings be used for monthly submittal with payment voucher? **Yes**
2. Section 1.08, A. What size are the 2- provided storage trailers? ***There are no provided storage trailers. Contractor shall provide minimum 3 each 40-foot trailers per Contractor Requirements/Instructions to Bidders, Item #31.***
3. Section 2.02, A & B. Will DR13.5 be excepted or does it have to be DR11? ***DR11***
4. Section 2.16, A. If additional piping is required for the additional 3- drain valves. Will this be considered a change order? ***No-the 3 additional drains and associated pipe shall be included in the base bid.***
5. Section 2.23, B. What is the length required for the Toro antenna? ***Standard Toro length which is approximately 5 feet.***
6. Section 2.33, A. When is the required delivery date for the Fusion Machine? ***When spare parts are turned over before completion.***
7. Section 3.04, B. "Rock excavation shall include **solid rock or other masses which cannot be reasonably broken, plowed and removed with power driven equipment and/or boulder or stone which, because of size or position in the trench** requires other means for removal and when no other alternative is present, rock hammering or rock sawing shall be done and shall be considered "extra work" against the rock

allowance per unit prices.” Seems this statement is vague and open to interpretation. Can more clarification be provided? ***See specifications section 3.04.***

8. Section 3.04, F. If piping has to be rerouted and requires more piping, is this considered to be a change order? ***No – See Contractor Requirements/Instructions to Bidders, Item #26.***
9. Section 2.05, I & J. The heads call to be 50psi pressure regulated. Rain Bird or Toro make these heads with 50psi pressure regulated. ***They can be set to the required pressure.***
10. Plan Sheet IR-4.0, Can a detail be added for the Cla-Valve 690-01KO Anti-Cavitation Pressure Reducing Valve ***PRV Detail attached as Exhibit B.***
11. Plan Sheet IR-4.0, Can a detail be added for an Isolation Valve w/ Surge Arrestor. ***No detail needed; same as the isolation valve. The surge arrestor goes in the same 10-inch valve box as the isolation valve with a gray lid as specified.***
12. Plan Sheet IR-4.0, Details #7 & #10 show the lateral pipe as 3”. Should it be 2” since all lateral piping on sheets IR-1.0 and IR-1.1 is shown as 2”? If all lateral pipe is not 2” please clarify which lateral pipe is not 2”. ***The lateral pipe for the green feeds is 3-inch from the 3-inch isolation valve to the 3-inch x 3-inch molded tee with two 2-inch reducers. The 2-inch then loops around the greens. Detail #7 is correct. Detail #10 should be 2-inch, not 3-inch.***
13. Plan Sheet IR-1.1, Tee area between greens M17, B11 and B14 has incorrect/missing piping in that area. Please issue a revised plan showing correction. ***The 3-inch pipe needed shall be the same routing as the shield wire path on IR-2.0.***
14. The owner is supplying the pump station itself, correct? Contractor is responsible for it from the time it is delivered on, correct? ***Contractor is responsible for receiving delivery and installing the pump station and enclosure per section 32 84-10.***

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the [www.bidexpress.com](http://www.bidexpress.com) solicitation.

Posted: **November 28, 2022**

**EPC Engineering & Testing****Geotechnical • Environmental • Materials Engineering**

539 Garfield Avenue

Duluth, Minnesota 55802

(218) 727-1239

(218) 727-1248 fax

August 6, 2021

21G1535

City of Duluth – Property & Facilities Management  
 1532 West Michigan Street  
 Duluth, MN 55806

Attn: Mr. Robert Hurd  
 Construction Project Coordinator

Re: Enger Golf Course Pond Additions

Dear Mr. Hurd,

This letter report is in regard to the three (3) soil borings performed by EPC on August 2, 2021. All work was performed at the direction of yourself, according to EPC's proposal dated July 24, 2021. All borings were staked and numbered in the field by others. Boring surface elevations were determined by the City of Duluth. Borings were performed with EPC's CME 55 track mounted drill rig. Standard penetration tests were performed with a hammer calibrated to N79.

Generally speaking, the borings consisted of sandy soils with variable amounts of silt and clay over lean clay/silty clay/sandy silt soils to a voluntary auger termination depth of 14.5-feet below existing grade (BEG). The thickness of the upper sandy soil layer ranged from 2 to 7-feet amongst the borings and was greatest at SB-3. Laboratory tests including mechanical gradation, hydrometer, and Atterberg limits were performed on samples 4 and 5 from borings SB-2 and SB-1, respectively. Additionally, moisture contents were determined for each sample obtained from the investigation. More detailed information regarding the laboratory test results is in the appendix of this report.

Water was encountered at two of the three boring locations, SB-2 and SB-3, at depths of 4.5 and 6-feet, respectively. Water levels were only observed during and/or shortly after the relatively short drilling process. Please refer to the table below and the boring logs in the appendix for details.

Boring Number	Surface Elevation (ft)	Depth/Elevation to Bottom of Sandy Soil Layer (ft)	Depth/Elevation to Voluntary Auger Termination (ft)	Depth/Elevation to Water Table (ft)
SB-1	1081.7	2.0 / 1079.7	14.5 / 1067.2	N/A
SB-2	1088.6	5.0 / 1083.6	14.5 / 1074.1	4.5 / 1084.1
SB-3	1090.7	7.0 / 1083.7	14.5 / 1076.2	6.0 / 1084.7

Engineering properties of the soils tested at **SB-1 (8 to 10-feet)** and **SB-2 (5 to 6-feet)** are estimated as follows:

**Native Soil Classification:**

Lean Clay (CL)

**Permeability Estimate:**

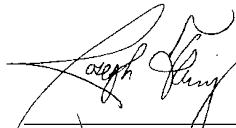
The lean clay (CL) soils are estimated to have a permeability of  $5 \times 10^{-8}$  cm/s.

This report completes EPC's work on this project to date. We must caution you that this report, prepared for soils classification and refusal depth information only, is not a complete geotechnical engineering report. EPC cannot be responsible for possible misinterpretation of the contents of the boring logs, or the strengths of the soils described in them. Soil samples from this project will be saved for two months from the date of this report unless EPC is directed in writing to do otherwise.

We would like to thank you for allowing EPC to be of service to you on this project. If you have any questions or comments, please call us at (218) 727-1239 (w) or (218) 341-4536 (c).

Sincerely,

Reviewed by:



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Joseph Thiry, P.E.  
Project Engineer



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Gary E. Hage, P.E.  
Principal Engineer

Enclosures: Location Map, Boring Logs, and Test Reports

# Enger Golf Course



SB-3

SB-2

SB-1

Twin Ponds

Enger Park Golf Course

Google Earth

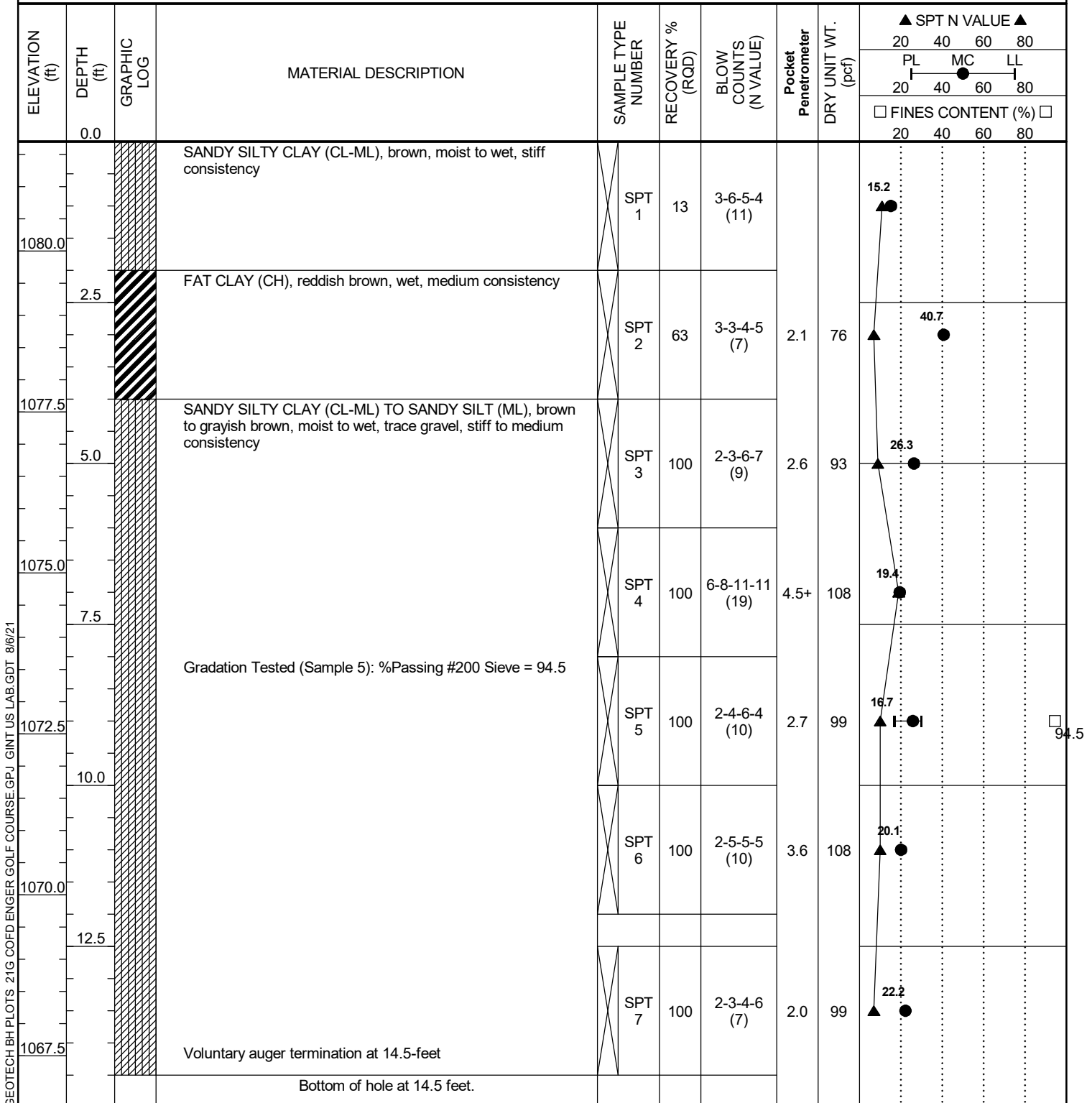
© 2020 Google

1000 ft

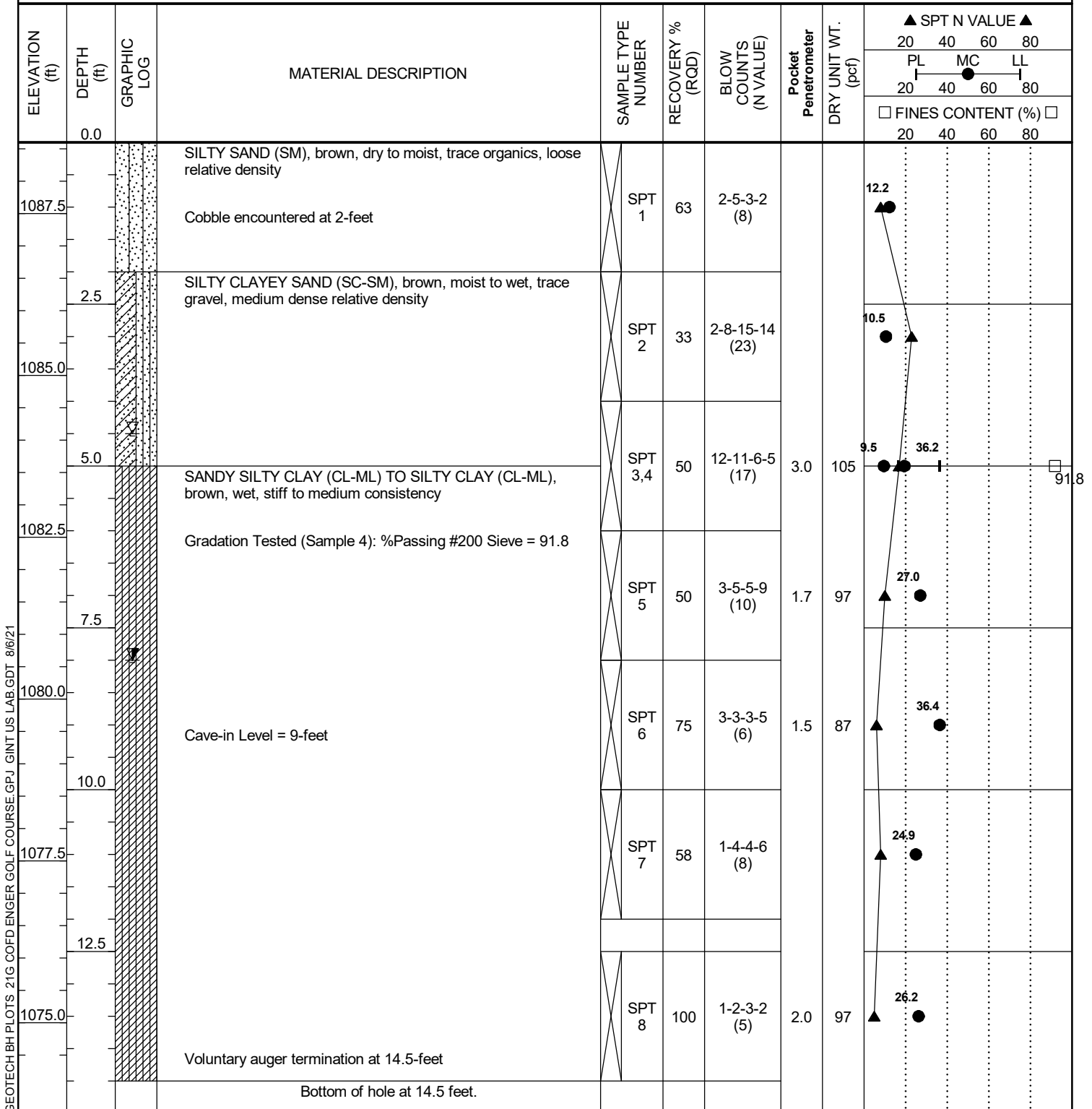
Legend



<b>CLIENT</b> City of Duluth	<b>PROJECT NAME</b> Enger Golf Course Ponds
<b>PROJECT NUMBER</b> 21G1535	<b>PROJECT LOCATION</b> Duluth, MN
<b>DATE STARTED</b> 8/2/21	<b>COMPLETED</b> 8/2/21
<b>DRILLING CONTRACTOR</b> EPC Engineering & Testing	<b>GROUND ELEVATION</b> 1081.7 ft
<b>DRILLING METHOD</b> CME 55 Rubber Track w/ HSA & SPT Calibrated to N79.	<b>HOLE SIZE</b> 7.25
<b>LOGGED BY</b> JT	<b>GROUND WATER LEVELS:</b>
<b>CHECKED BY</b> GH	<b>AT TIME OF DRILLING</b> None
<b>NOTES</b>	<b>AT END OF DRILLING</b> None
	<b>AFTER DRILLING</b> None

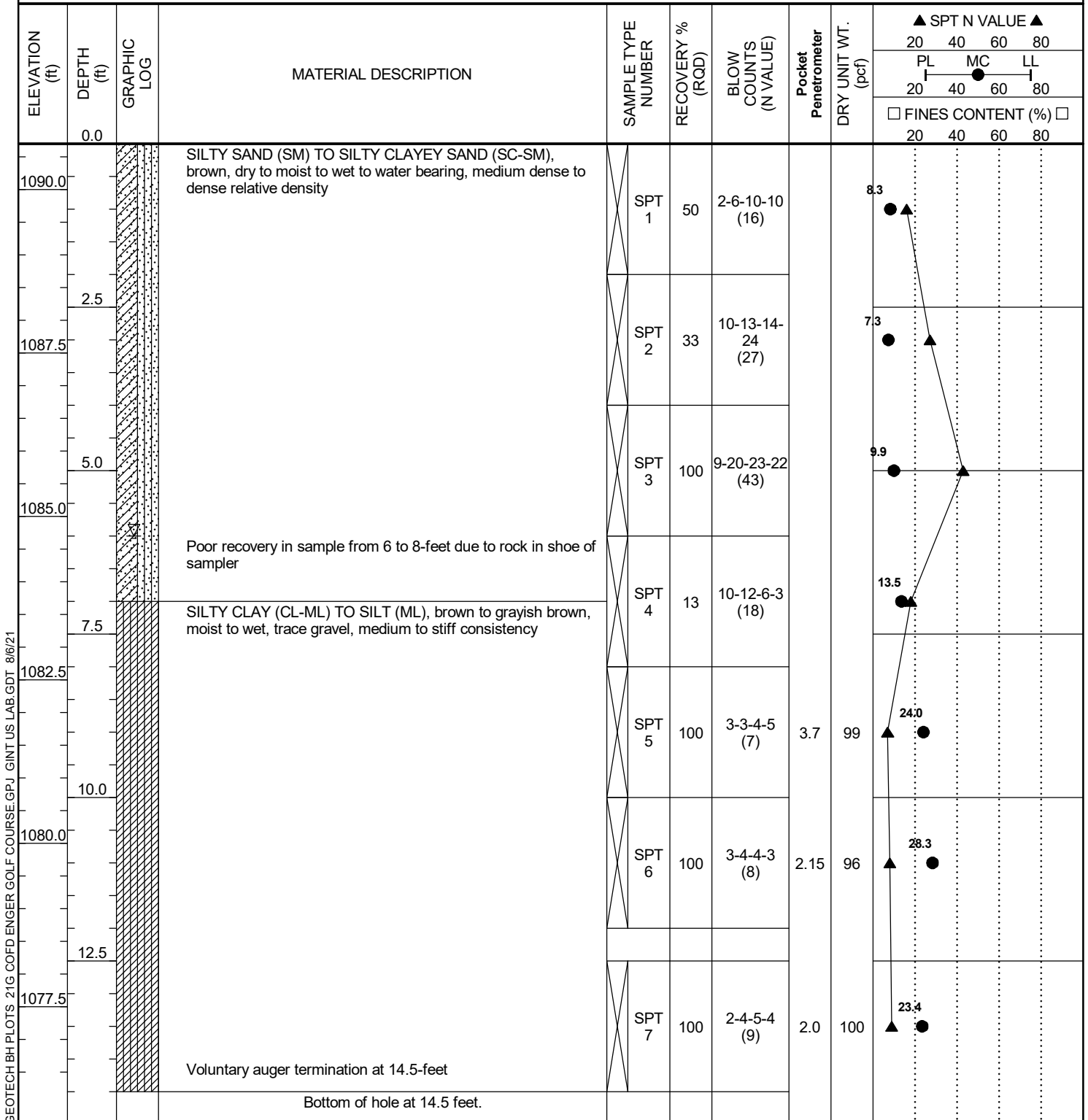


<b>CLIENT</b> City of Duluth	<b>PROJECT NAME</b> Enger Golf Course Ponds
<b>PROJECT NUMBER</b> 21G1535	<b>PROJECT LOCATION</b> Duluth, MN
<b>DATE STARTED</b> 8/2/21 <b>COMPLETED</b> 8/2/21	<b>GROUND ELEVATION</b> 1088.6 ft <b>HOLE SIZE</b> 7.25
<b>DRILLING CONTRACTOR</b> EPC Engineering & Testing	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> CME 55 Rubber Track w/ HSA & SPT Calibrated to N79.	▽ <b>AT TIME OF DRILLING</b> 4.5 ft / Elev 1084.1 ft
<b>LOGGED BY</b> JT <b>CHECKED BY</b> GH	▽ <b>AT END OF DRILLING</b> None
<b>NOTES</b>	▽ <b>AFTER DRILLING</b> 8.0 ft / Elev 1080.6 ft





<b>CLIENT</b> <u>City of Duluth</u>	<b>PROJECT NAME</b> <u>Enger Golf Course Ponds</u>
<b>PROJECT NUMBER</b> <u>21G1535</u>	<b>PROJECT LOCATION</b> <u>Duluth, MN</u>
<b>DATE STARTED</b> <u>8/2/21</u> <b>COMPLETED</b> <u>8/2/21</u>	<b>GROUND ELEVATION</b> <u>1090.7 ft</u> <b>HOLE SIZE</b> <u>7.25</u>
<b>DRILLING CONTRACTOR</b> <u>EPC Engineering &amp; Testing</u>	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> <u>CME 55 Rubber Track w/ HSA &amp; SPT Calibrated to N79.</u>	<b>AT TIME OF DRILLING</b> <u>6.0 ft / Elev 1084.7 ft</u>
<b>LOGGED BY</b> <u>JT</u> <b>CHECKED BY</b> <u>GH</u>	<b>AT END OF DRILLING</b> <u>None</u>
<b>NOTES</b>	<b>AFTER DRILLING</b> <u>None</u>

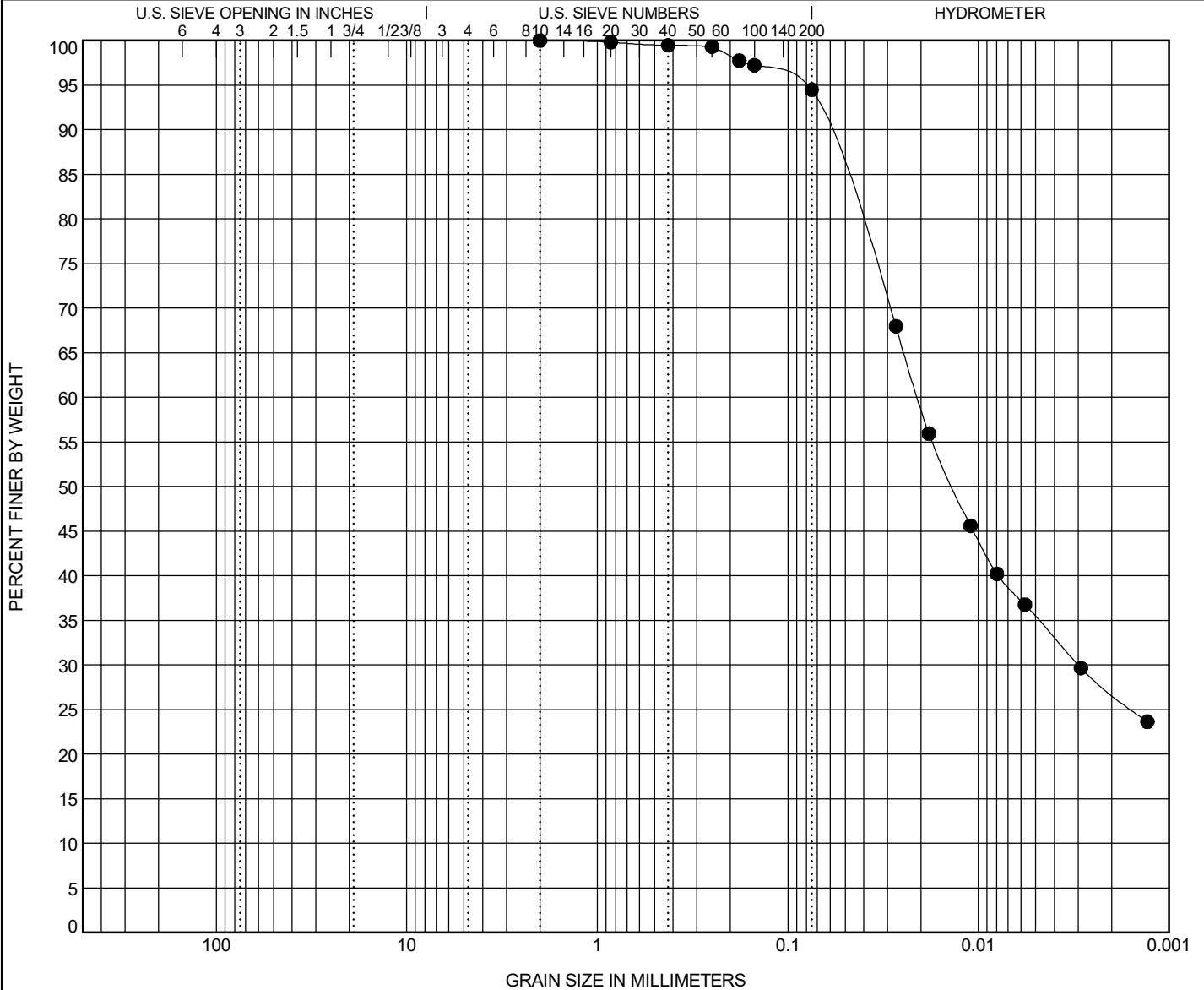


CLIENT City of Duluth

PROJECT NAME Enger Golf Course Ponds

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COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification					LL	PL	PI	Cc	Cu
● <b>SB-1</b>		<b>LEAN CLAY (CL)</b>					<b>30</b>	<b>17</b>	<b>13</b>		
	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay			
	<b>2</b>	<b>0.021</b>	<b>0.003</b>		<b>0.0</b>	<b>5.5</b>	<b>59.1</b>	<b>35.4</b>			
SIEVE	% PASS	SPEC	SIEVE	% PASS	SPEC	NOTES					
3"			#10	100		Sample 5 (8-10')					
2"			#16								
1.5"			#20	100							
1"			#30								
3/4"			#40	99							
5/8"			#50								
1/2"			#60	99							
3/8"			#80	98							
#4			#100	97							
#8			#200	94.5							

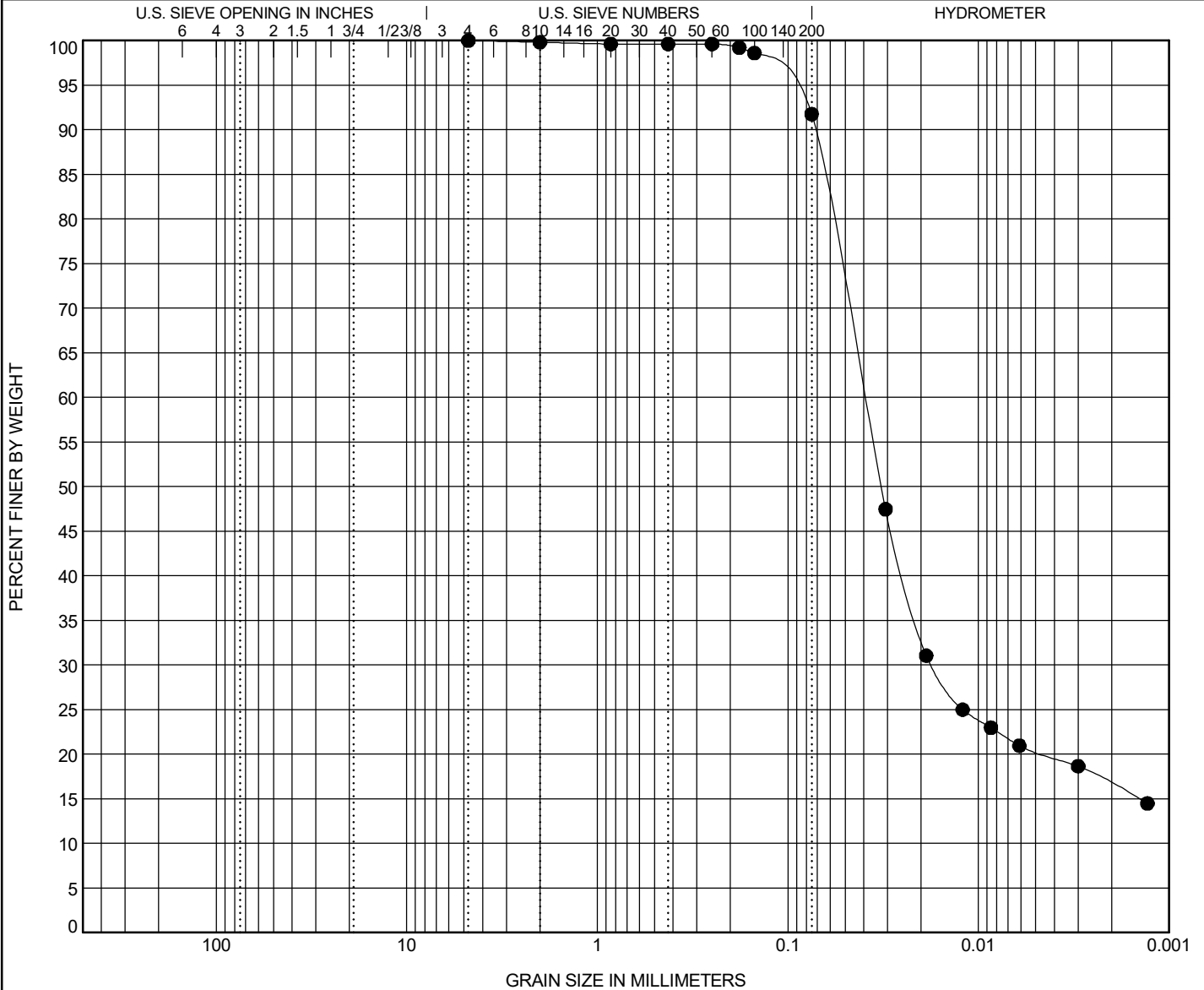
GRAIN SIZE WITH SPEC BANDS 21G COFD ENGER GOLF COURSE.GPJ GINT STD US LAB.GDT 8/6/21

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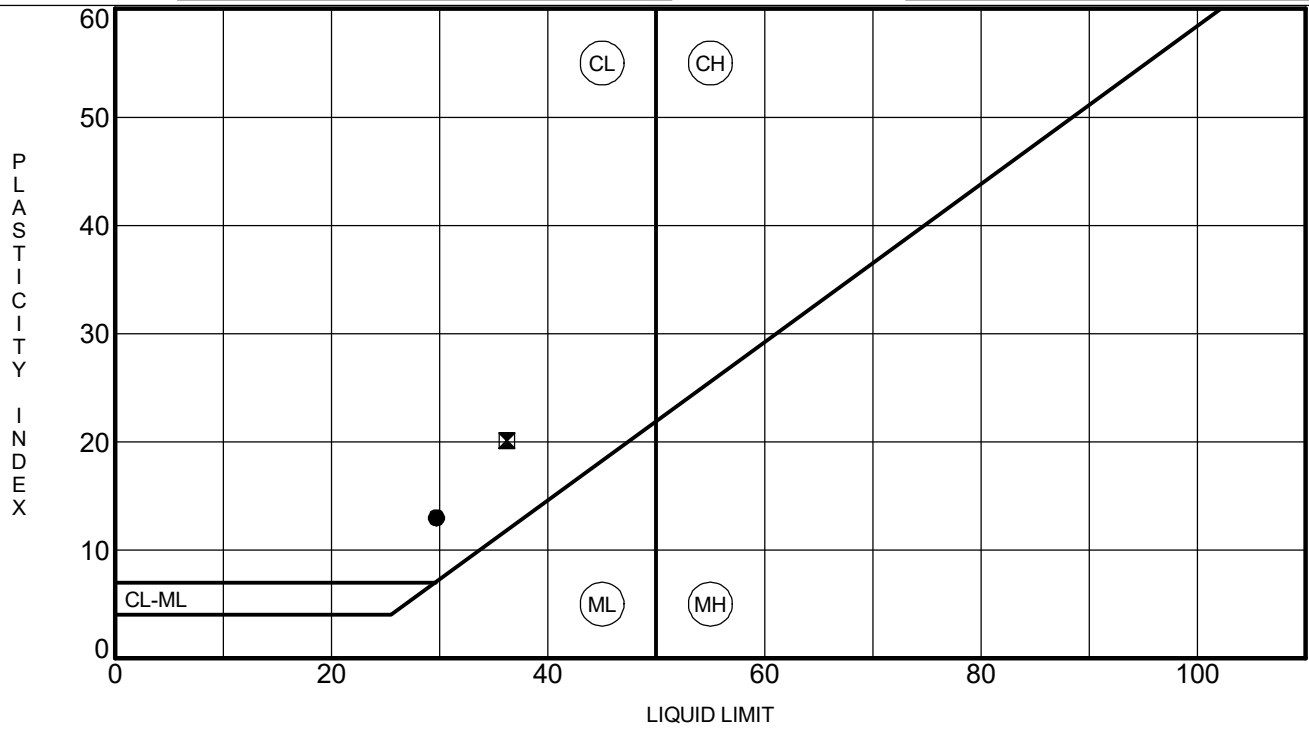
COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification					LL	PL	PI	Cc	Cu
● <b>SB-2</b>		<b>LEAN CLAY (CL)</b>					<b>36</b>	<b>16</b>	<b>20</b>		
	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay			
	<b>4.75</b>	<b>0.04</b>	<b>0.017</b>		<b>0.0</b>	<b>8.2</b>	<b>71.5</b>	<b>20.3</b>			
SIEVE	% PASS	SPEC	SIEVE	% PASS	SPEC	NOTES					
3"			#10	100		Sample 4 (5-6')					
2"			#16								
1.5"			#20	100							
1"			#30								
3/4"			#40	100							
5/8"			#50								
1/2"			#60	100							
3/8"			#80	99							
#4	100		#100	99							
#8			#200	91.8							

GRAIN SIZE WITH SPEC BANDS 21G COFD ENGER GOLF COURSE.GPJ GINT STD US LAB.GDT 8/6/21

**CLIENT** City of Duluth **PROJECT NAME** Enger Golf Course Ponds

**PROJECT NUMBER** 21G1535 **PROJECT LOCATION** Duluth, MN



Specimen Identification	LL	PL	PI	Fines	Classification	
● SB-1	8.0	30	17	13	94	-
■ SB-2	5.0	36	16	20	92	-

EXHIBIT B

