



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	TP-T-13-06		
Sample	GS1	Depth	0.8 - 0.9m
Reported By	CR/MR	Date	09-Jan-00

Hydrometer No.	799	Hydrometer Type	151	Graduate No.	18
Air Dried Wt. of Soil Tested	75.1 g	Dry Wt. of Soil Tested	75.10		10

Moisture Content

Tare 20. g Wet + Tare 40. g Dry + Tare 40. g M.C. 0.00%

Composite Correction Factors

Factor $-0.0084697 \text{temp}^2 + 0.1196543 \text{temp} + 3.2870133$

Specific Gravity G_s 2.73

Dispersant

Type 10 % Sodium Hexametaphosphate Amount 125 Date Mixed & Jug No. 03-Dec-13

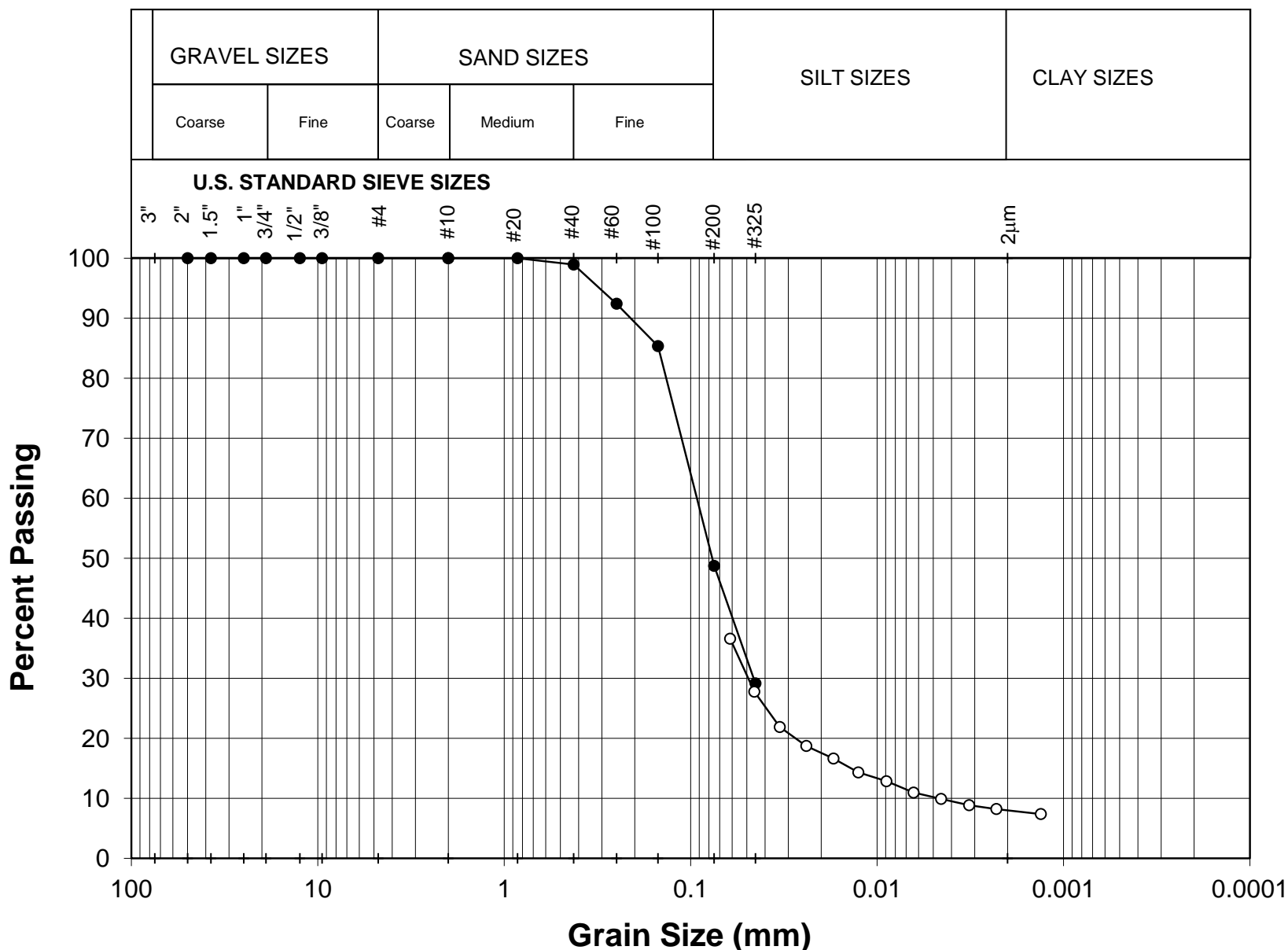
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 75.10 g				
Sieve Size	Particle Size (mm)	Weight Retained (g)	Weight Passing (g)	Percent Finer Than	Sieve #	Particle Size (mm)	Weight Retained (g)	Weight Passing (g)	Percent Finer Than
2 in.	50.0		287.30	100.0	10	2.000		75.10	100
1 1/2 in.	37.5		287.30	100.0	20	0.850		75.10	100
1 in.	25.0		287.30	100.0	40	0.425	0.8	74.30	99
3/4 in.	19.0		287.30	100.0	60	0.250	4.9	69.40	92
1/2 in.	12.5		287.30	100.0	100	0.150	5.3	64.10	85
3/8 in.	9.5		287.30	100.0	200	0.075	27.5	36.60	49
4	4.75		287.30	100.0	325	0.045	14.7	21.90	29
10	2.00		287.30	100.0	pan				

0.0

Hydrometer Results

Date	Time	Elapsed Time (min)	R'_h	Temp. °C	Effective Length (cm)	Comp. Corr.	Corrected Reading	Diam. (mm)	% Soil in Susp.
1900-01-09	8:42:00	0							
1900-01-09	8:42:30	0.5	20.4	22.4	11	2.983156	17.41684	0.0615	37
1900-01-09	8:43:00	1	16.2	22.4	12.1	2.983156	13.21684	0.0456	28
1900-01-09	8:44:00	2	13.4	22.4	12.9	2.983156	10.41684	0.0333	22
1900-01-09	8:46:00	4	11.9	22.4	13.4	2.983156	8.916844	0.0240	19
1900-01-09	8:50:00	8	10.9	22.4	13.7	2.983156	7.916844	0.0172	17
1900-01-09	8:57:00	15	9.8	22.4	13.9	2.983156	6.816844	0.0126	14
1900-01-09	9:12:00	30	9.1	22.4	13.9	2.983156	6.116844	0.0089	13
1900-01-09	9:42:00	60	8.2	22.4	14.2	2.983156	5.216844	0.0064	11
1900-01-09	10:42:00	120	7.7	22.4	14.4	2.983156	4.716844	0.0045	10
1900-01-09	12:42:00	240	7.2	22.4	14.4	2.983156	4.216844	0.0032	9
1900-01-09	16:42:00	480	6.9	22.4	14.7	2.983156	3.916844	0.0023	8
1900-01-10	8:42:00	1440	6.5	22.4	14.7	2.983156	3.516844	0.0013	7



Remarks

SUMMARY

D ₁₀ =	0.005	Gravel	0.0 %
D ₃₀ =	0.050	Sand	51.3 %
D ₅₀ =	0.078	Silt Sizes	40.8 %
D ₆₀ =	0.098	Clay Sizes	8.0 %
C _U =			
C _C =			

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

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