



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	BH-T-13-02		
Sample	GS1	Depth	1.0 - 1.1m
Reported By	CR/MR	Date	9-Jan-00

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 9
 Air Dried Wt. of Soil Tested 75.2 g Dry Wt. of Soil Tested 75.20

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. 3-Dec-13

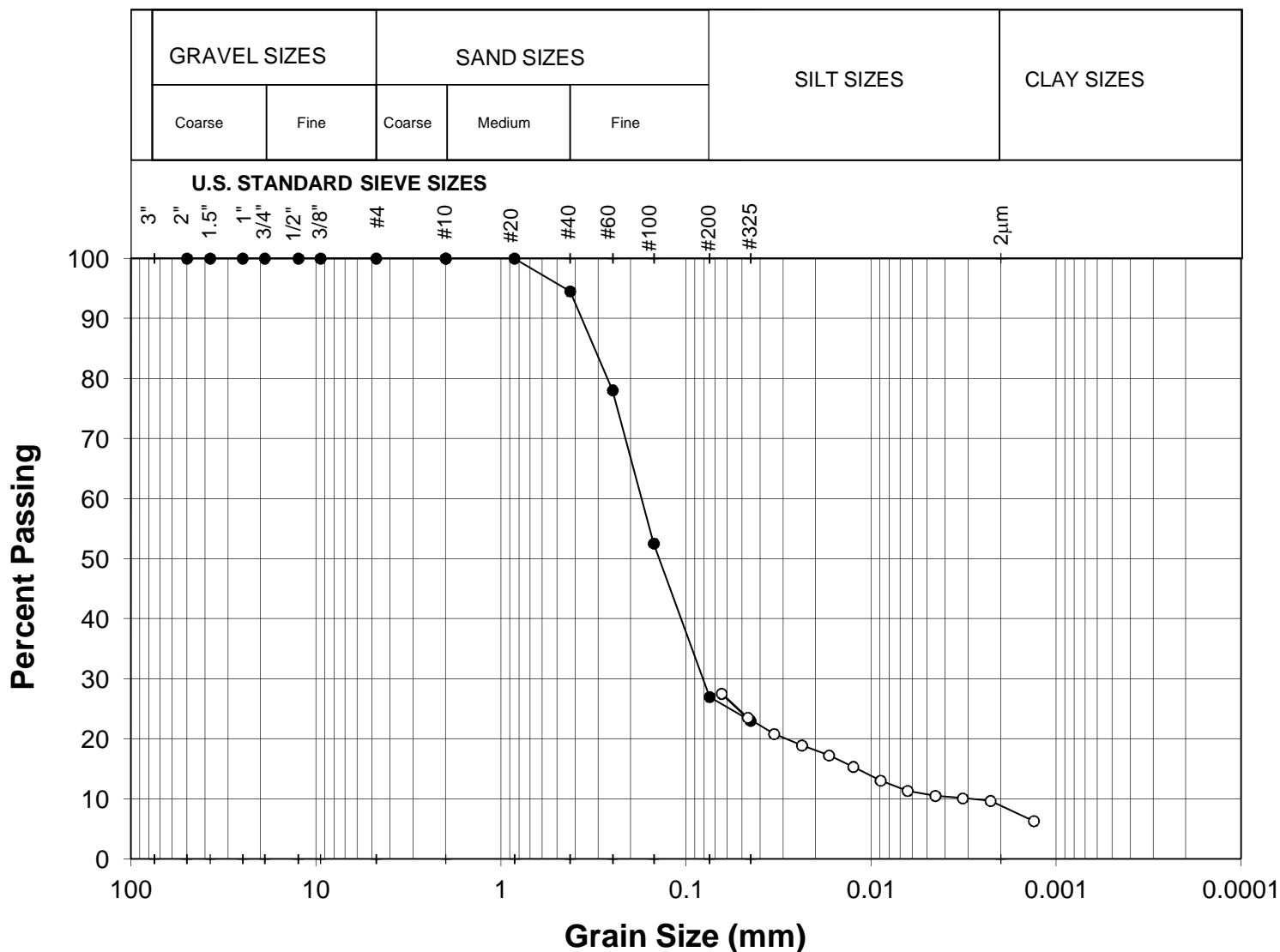
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 75.20 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		171.60	100.0	10	2.000		75.20	100
1 1/2 in.	37.5		171.60	100.0	20	0.850		75.20	100
1 in.	25.0		171.60	100.0	40	0.425	4.1	71.10	95
3/4 in.	19.0		171.60	100.0	60	0.250	12.4	58.70	78
1/2 in.	12.5		171.60	100.0	100	0.150	19.2	39.50	53
3/8 in.	9.5		171.60	100.0	200	0.075	19.2	20.30	27
4	4.75		171.60	100.0	325	0.045	3.0	17.30	23
10	2.00		171.60	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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	16.1	22.4	12.1	2.983156	13.11684	0.0645	28
1/9/1900	8:43:00	1	14.2	22.4	12.6	2.983156	11.21684	0.0466	24
1/9/1900	8:44:00	2	12.9	22.4	13.1	2.983156	9.916844	0.0336	21
1/9/1900	8:46:00	4	12.0	22.4	13.1	2.983156	9.016844	0.0237	19
1/9/1900	8:50:00	8	11.2	22.4	13.4	2.983156	8.216844	0.0170	17
1/9/1900	8:57:00	15	10.3	22.4	13.7	2.983156	7.316844	0.0125	15
1/9/1900	9:12:00	30	9.2	22.4	13.9	2.983156	6.216844	0.0089	13
1/9/1900	9:42:00	60	8.4	22.4	14.2	2.983156	5.416844	0.0064	11
1/9/1900	10:42:00	120	8.0	22.4	14.2	2.983156	5.016844	0.0045	11
1/9/1900	12:42:00	240	7.8	22.4	14.4	2.983156	4.816844	0.0032	10
1/9/1900	16:42:00	480	7.6	22.4	14.4	2.983156	4.616844	0.0023	10
1/10/1900	8:42:00	1440	6.0	22.4	14.7	2.983156	3.016844	0.0013	6



Remarks

SUMMARY

D ₁₀ =	0.003	Gravel	0.0 %
D ₃₀ =	0.084	Sand	73.0 %
D ₅₀ =	0.143	Silt Sizes	18.3 %
D ₆₀ =	0.179	Clay Sizes	8.7 %
C _U =			
C _C =			

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	BH-T-13-02		
Hole	GS1	Depth	1.0 - 1.1m
Reported By	CR/MR	Date	9-Jan-00



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	GP-T-13-03		
Sample	GS1	Depth	5.0 - 6.0m
Reported By	CR/MR	Date	9-Jan-00

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 17
 Air Dried Wt. of Soil Tested 50.6 g Dry Wt. of Soil Tested 50.60 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. 3-Dec-13

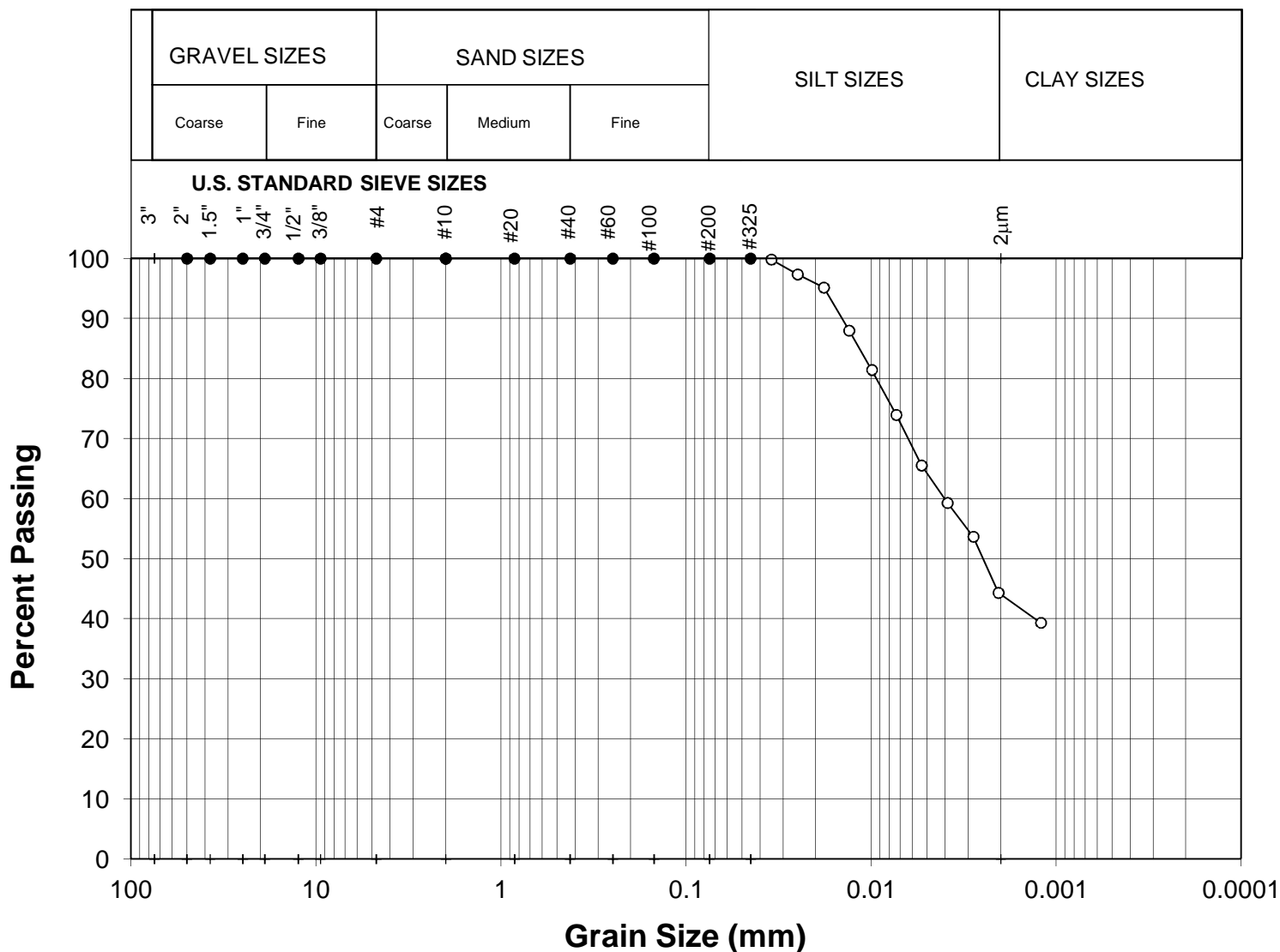
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 50.60 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		100.70	100.0	10	2.000		50.60	100
1 1/2 in.	37.5		100.70	100.0	20	0.850		50.60	100
1 in.	25.0		100.70	100.0	40	0.425		50.60	100
3/4 in.	19.0		100.70	100.0	60	0.250		50.60	100
1/2 in.	12.5		100.70	100.0	100	0.150		50.60	100
3/8 in.	9.5		100.70	100.0	200	0.075		50.60	100
4	4.75		100.70	100.0	325	0.045		50.60	100
10	2.00		100.70	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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	36.2	22.4	6.8	2.983156	33.21684	0.0484	104
1/9/1900	8:43:00	1	35.0	22.4	7	2.983156	32.01684	0.0347	100
1/9/1900	8:44:00	2	34.2	22.4	7.3	2.983156	31.21684	0.0251	97
1/9/1900	8:46:00	4	33.5	22.4	7.6	2.983156	30.51684	0.0181	95
1/9/1900	8:50:00	8	31.2	22.4	8.1	2.983156	28.21684	0.0132	88
1/9/1900	8:57:00	15	29.1	22.4	8.6	2.983156	26.11684	0.0099	81
1/9/1900	9:12:00	30	26.7	22.4	9.4	2.983156	23.71684	0.0073	74
1/9/1900	9:42:00	60	24.0	22.4	10	2.983156	21.01684	0.0054	66
1/9/1900	10:42:00	120	22.0	22.4	10.5	2.983156	19.01684	0.0039	59
1/9/1900	12:42:00	240	20.2	22.4	11	2.983156	17.21684	0.0028	54
1/9/1900	16:42:00	480	17.2	22.4	11.8	2.983156	14.21684	0.0021	44
1/10/1900	8:42:00	1440	15.6	22.4	12.3	2.983156	12.61684	0.0012	39



Remarks

SUMMARY

D ₁₀ =	Gravel	0.0 %
D ₃₀ =	Sand	0.0 %
D ₅₀ =	0.003	Silt Sizes 56.0 %
D ₆₀ =	0.004	Clay Sizes 44.0 %
C _U =		
C _C =		

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	GP-T-13-03		
Hole	GS1	Depth	5.0 - 6.0m
Reported By	CR/MR	Date	9-Jan-00



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	GP-T-13-10		
Sample	N/A	Depth	8.6 - 9.4m
Reported By	CR/MR	Date	26-Mar-13

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 11
 Air Dried Wt. of Soil Tested 50.2 g Dry Wt. of Soil Tested 50.20

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. 25-Mar-13

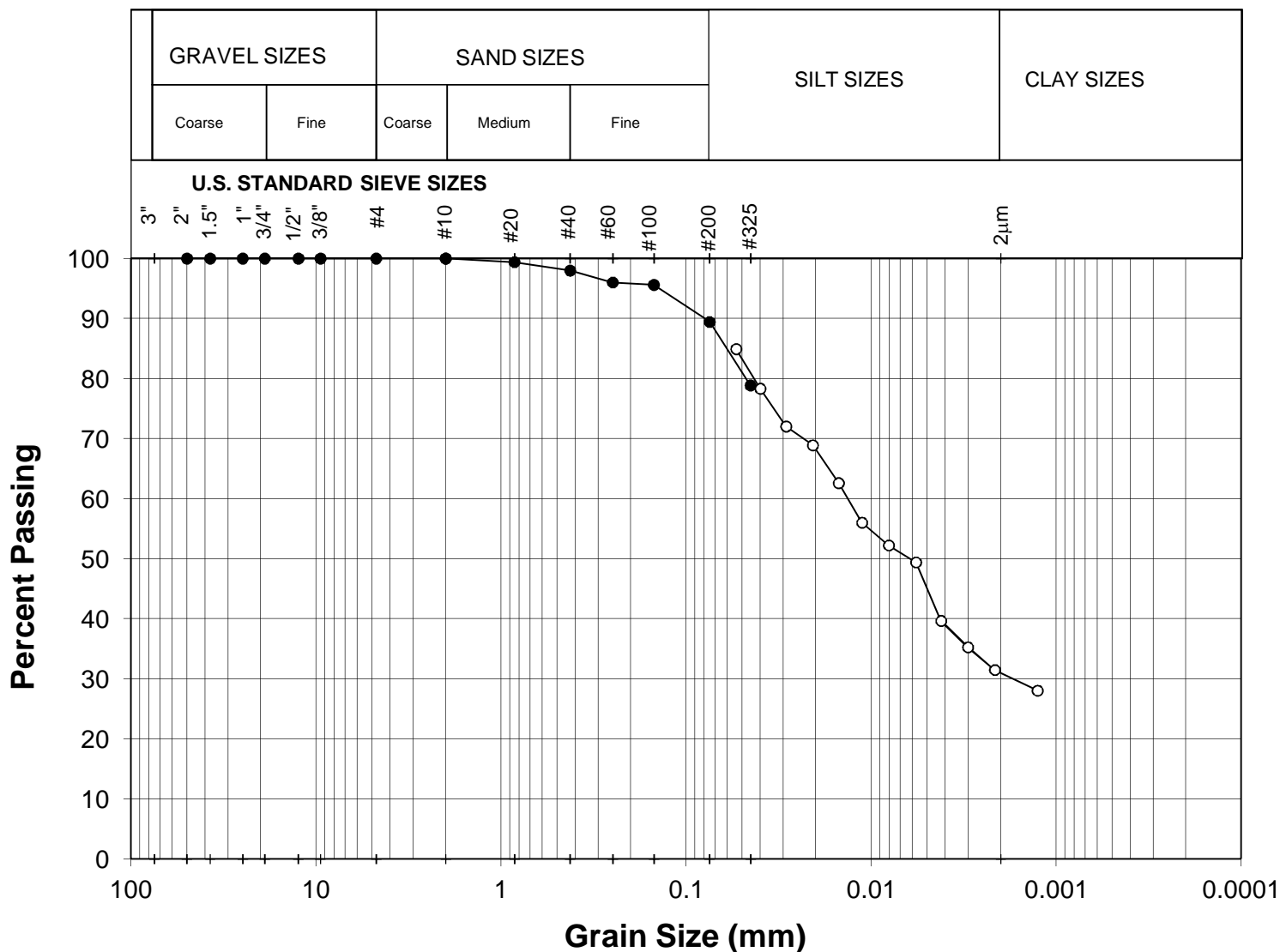
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt.				
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		139.40	100.0	10	2.000		50.20	100
1 1/2 in.	37.5		139.40	100.0	20	0.850	0.3	49.90	99
1 in.	25.0		139.40	100.0	40	0.425	0.7	49.20	98
3/4 in.	19.0		139.40	100.0	60	0.250	1.0	48.20	96
1/2 in.	12.5		139.40	100.0	100	0.150	0.2	48.00	96
3/8 in.	9.5		139.40	100.0	200	0.075	3.1	44.90	89
4	4.75		139.40	100.0	325	0.045	5.3	39.60	79
10	2.00		139.40	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.
3/26/2013	8:42:00	0							
3/26/2013	8:42:30	0.5	30.0	22.4	8.4	2.983156	27.01684	0.0538	85
3/26/2013	8:43:00	1	27.9	22.4	9.2	2.983156	24.91684	0.0398	78
3/26/2013	8:44:00	2	25.9	22.4	9.7	2.983156	22.91684	0.0289	72
3/26/2013	8:46:00	4	24.9	22.4	10	2.983156	21.91684	0.0207	69
3/26/2013	8:50:00	8	22.9	22.4	10.5	2.983156	19.91684	0.0150	63
3/26/2013	8:57:00	15	20.8	22.4	11	2.983156	17.81684	0.0112	56
3/26/2013	9:12:00	30	19.6	22.4	11.3	2.983156	16.61684	0.0081	52
3/26/2013	9:42:00	60	18.7	22.4	11.5	2.983156	15.71684	0.0057	49
3/26/2013	10:42:00	120	15.6	22.4	12.3	2.983156	12.61684	0.0042	40
3/26/2013	12:42:00	240	14.2	22.4	12.6	2.983156	11.21684	0.0030	35
3/26/2013	16:42:00	480	13.0	22.4	12.9	2.983156	10.01684	0.0022	31
3/27/2013	8:42:00	1440	11.9	22.4	13.4	2.983156	8.916844	0.0013	28



Remarks

SUMMARY

D ₁₀ =		Gravel	0.0 %
D ₃₀ =	0.002	Sand	10.6 %
D ₅₀ =	0.006	Silt Sizes	58.5 %
D ₆₀ =	0.014	Clay Sizes	30.9 %
C _U =			
C _C =			

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	GP-T-13-10		
Hole	N/A	Depth	8.6 - 9.4m
Reported By	CR/MR	Date	26-Mar-13



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	TP-T-13-04		
Sample	GS1	Depth	1.0 - 1.1m
Reported By	CR/MR	Date	9-Jan-00

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 10
 Air Dried Wt. of Soil Tested 115.2 g Dry Wt. of Soil Tested 115.20 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. 3-Dec-13

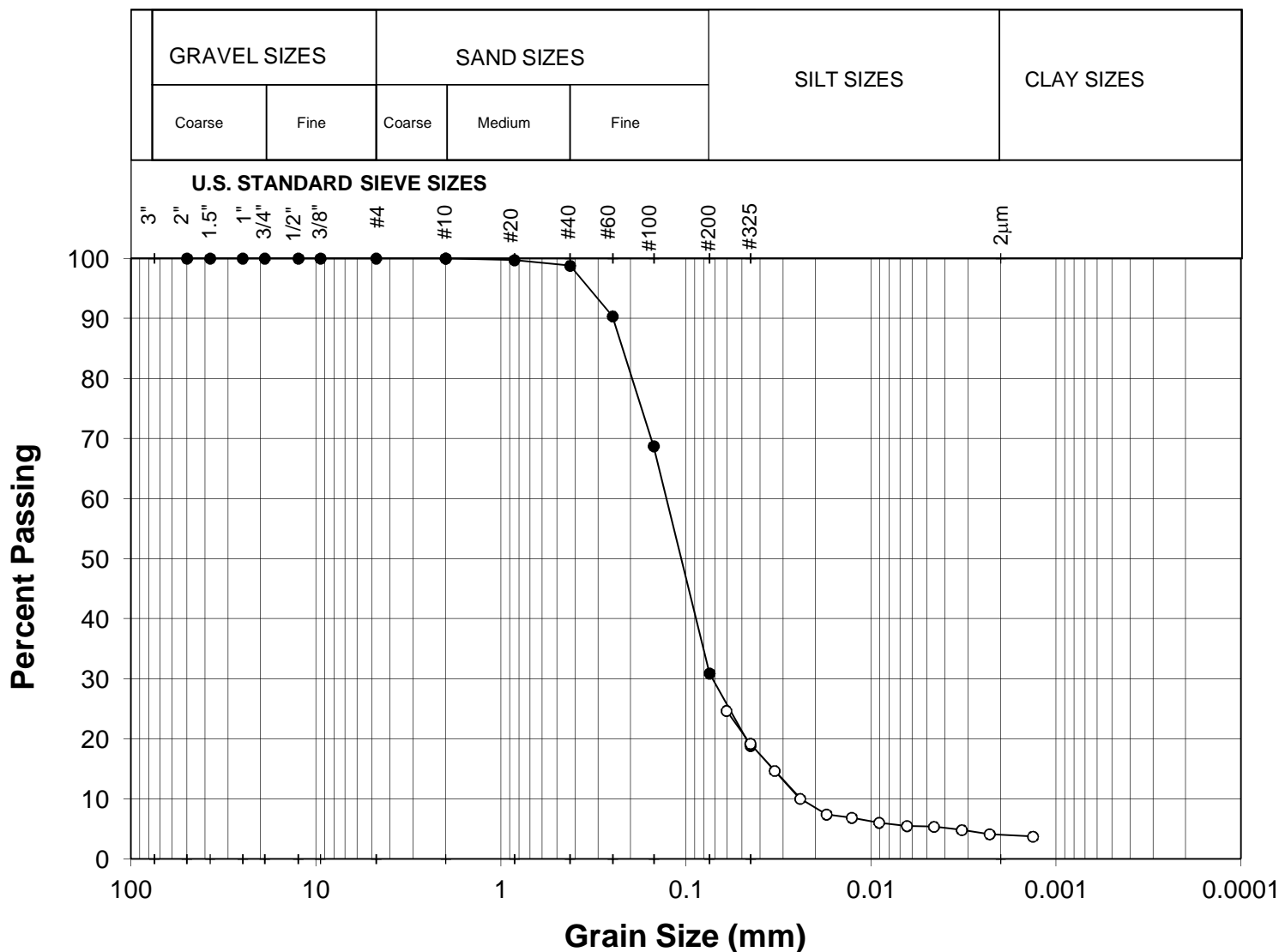
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 115.20 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		279.40	100.0	10	2.000		115.20	100
1 1/2 in.	37.5		279.40	100.0	20	0.850	0.3	114.90	100
1 in.	25.0		279.40	100.0	40	0.425	1.1	113.80	99
3/4 in.	19.0		279.40	100.0	60	0.250	9.7	104.10	90
1/2 in.	12.5		279.40	100.0	100	0.150	24.9	79.20	69
3/8 in.	9.5		279.40	100.0	200	0.075	43.6	35.60	31
4	4.75		279.40	100.0	325	0.045	13.9	21.70	19
10	2.00		279.40	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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	21.0	22.4	10.7	2.983156	18.01684	0.0607	25
1/9/1900	8:43:00	1	17.0	22.4	11.8	2.983156	14.01684	0.0451	19
1/9/1900	8:44:00	2	13.7	22.4	12.9	2.983156	10.71684	0.0333	15
1/9/1900	8:46:00	4	10.3	22.4	13.7	2.983156	7.316844	0.0243	10
1/9/1900	8:50:00	8	8.4	22.4	14.2	2.983156	5.416844	0.0175	7
1/9/1900	8:57:00	15	8.0	22.4	14.2	2.983156	5.016844	0.0128	7
1/9/1900	9:12:00	30	7.4	22.4	14.4	2.983156	4.416844	0.0091	6
1/9/1900	9:42:00	60	7.0	22.4	14.4	2.983156	4.016844	0.0064	6
1/9/1900	10:42:00	120	6.9	22.4	14.7	2.983156	3.916844	0.0046	5
1/9/1900	12:42:00	240	6.5	22.4	14.7	2.983156	3.516844	0.0032	5
1/9/1900	16:42:00	480	6.0	22.4	14.7	2.983156	3.016844	0.0023	4
1/10/1900	8:42:00	1440	5.7	22.4	15	2.983156	2.716844	0.0013	4



Remarks

SUMMARY

D ₁₀ =	0.024	Gravel	0.0 %
D ₃₀ =	0.073	Sand	69.1 %
D ₅₀ =	0.113	Silt Sizes	26.9 %
D ₆₀ =	0.133	Clay Sizes	4.0 %
C _U =			
C _C =			

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	TP-T-13-04		
Hole	GS1	Depth	1.0 - 1.1m
Reported By	CR/MR	Date	9-Jan-00



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	TP-T-13-04		
Sample	GS6	Depth	3.0 - 3.1m
Reported By	CR/MR	Date	9-Jan-00

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 18
 Air Dried Wt. of Soil Tested 50.7 g Dry Wt. of Soil Tested 50.70 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. 3-Dec-13

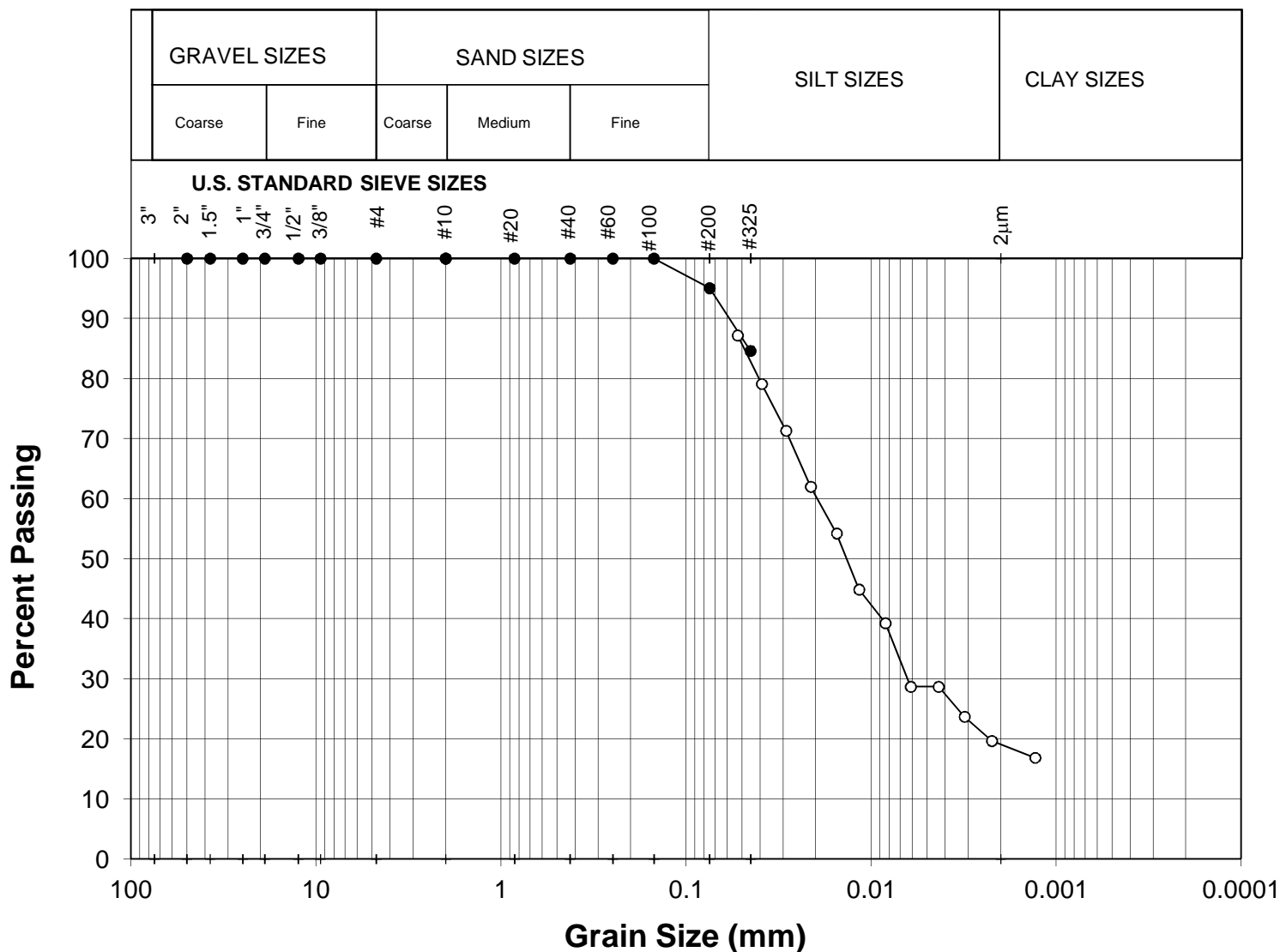
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 50.70 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		468.10	100.0	10	2.000		50.70	100
1 1/2 in.	37.5		468.10	100.0	20	0.850		50.70	100
1 in.	25.0		468.10	100.0	40	0.425		50.70	100
3/4 in.	19.0		468.10	100.0	60	0.250		50.70	100
1/2 in.	12.5		468.10	100.0	100	0.150		50.70	100
3/8 in.	9.5		468.10	100.0	200	0.075	2.5	48.20	95
4	4.75		468.10	100.0	325	0.045	5.3	42.90	85
10	2.00		468.10	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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	31.0	22.4	8.1	2.983156	28.01684	0.0528	87
1/9/1900	8:43:00	1	28.4	22.4	8.9	2.983156	25.41684	0.0391	79
1/9/1900	8:44:00	2	25.9	22.4	9.7	2.983156	22.91684	0.0289	71
1/9/1900	8:46:00	4	22.9	22.4	10.5	2.983156	19.91684	0.0213	62
1/9/1900	8:50:00	8	20.4	22.4	11	2.983156	17.41684	0.0154	54
1/9/1900	8:57:00	15	17.4	22.4	11.8	2.983156	14.41684	0.0116	45
1/9/1900	9:12:00	30	15.6	22.4	12.3	2.983156	12.61684	0.0084	39
1/9/1900	9:42:00	60	12.2	22.4	13.1	2.983156	9.216844	0.0061	29
1/9/1900	10:42:00	120	12.2	22.4	13.1	2.983156	9.216844	0.0043	29
1/9/1900	12:42:00	240	10.6	22.4	13.7	2.983156	7.616844	0.0031	24
1/9/1900	16:42:00	480	9.3	22.4	13.9	2.983156	6.316844	0.0022	20
1/10/1900	8:42:00	1440	8.4	22.4	14.2	2.983156	5.416844	0.0013	17



Remarks

SUMMARY

D ₁₀ =		Gravel	0.0 %
D ₃₀ =	0.006	Sand	4.9 %
D ₅₀ =	0.014	Silt Sizes	76.1 %
D ₆₀ =	0.020	Clay Sizes	19.0 %
C _U =			
C _C =			

Results of Other Testing

WL %
 WP %
 IP %



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	TP-T-13-04		
Hole	GS6	Depth	3.0 - 3.1m
Reported By	CR/MR	Date	9-Jan-00



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	9-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 $-0.0084697temp^2+0.1196543temp+3.2870133$

Specific Gravity G_s 2.73

Dispersant

Type 10 % Sodium Hexametaphosphate Amount 125 Date Mixed & Jug No. 3-Dec-13

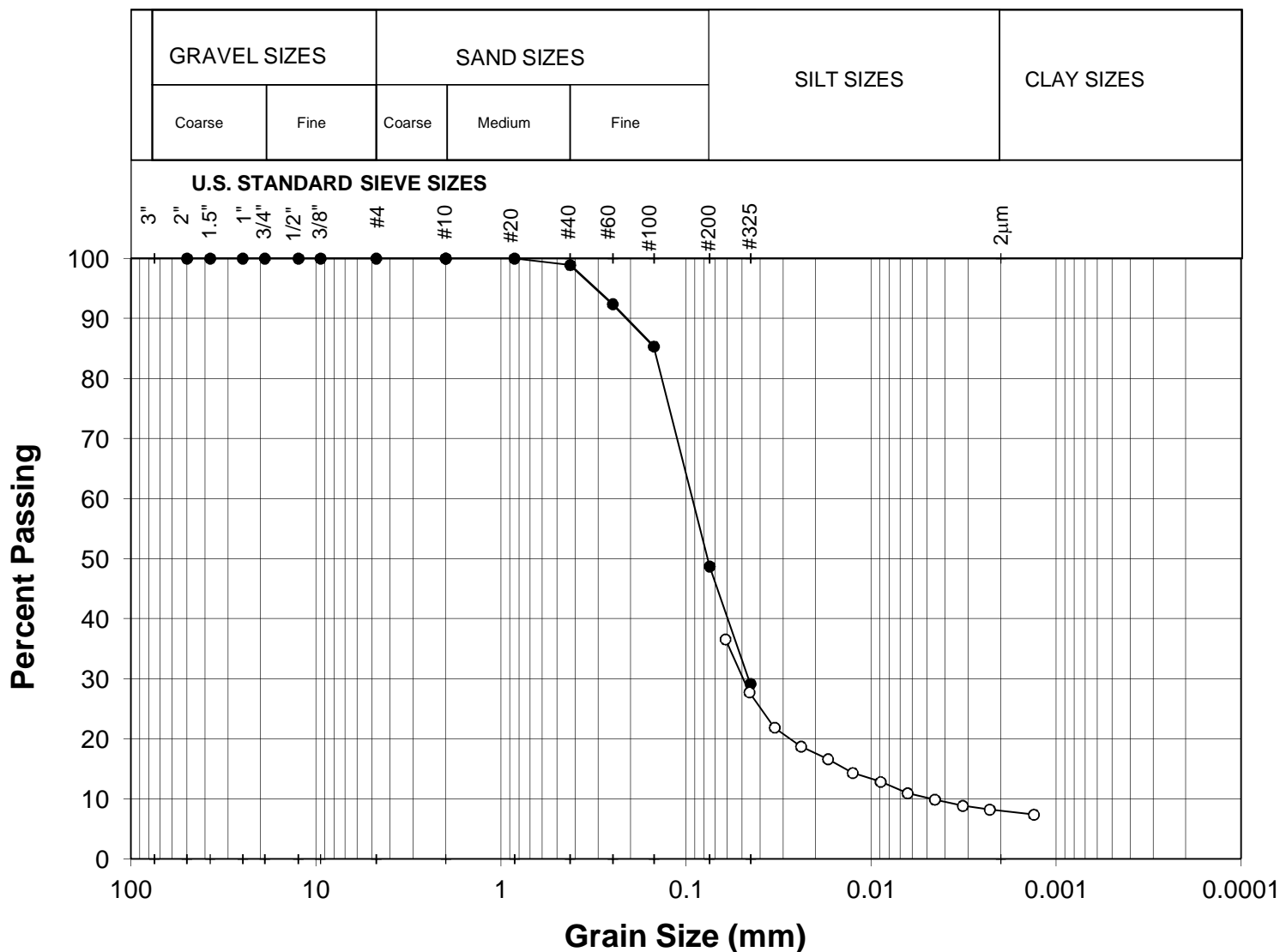
Mechanical Sieve Results

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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	20.4	22.4	11	2.983156	17.41684	0.0615	37
1/9/1900	8:43:00	1	16.2	22.4	12.1	2.983156	13.21684	0.0456	28
1/9/1900	8:44:00	2	13.4	22.4	12.9	2.983156	10.41684	0.0333	22
1/9/1900	8:46:00	4	11.9	22.4	13.4	2.983156	8.916844	0.0240	19
1/9/1900	8:50:00	8	10.9	22.4	13.7	2.983156	7.916844	0.0172	17
1/9/1900	8:57:00	15	9.8	22.4	13.9	2.983156	6.816844	0.0126	14
1/9/1900	9:12:00	30	9.1	22.4	13.9	2.983156	6.116844	0.0089	13
1/9/1900	9:42:00	60	8.2	22.4	14.2	2.983156	5.216844	0.0064	11
1/9/1900	10:42:00	120	7.7	22.4	14.4	2.983156	4.716844	0.0045	10
1/9/1900	12:42:00	240	7.2	22.4	14.4	2.983156	4.216844	0.0032	9
1/9/1900	16:42:00	480	6.9	22.4	14.7	2.983156	3.916844	0.0023	8
1/10/1900	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

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	TP-T-13-06		
Hole	GS1	Depth	0.8 - 0.9m
Reported By	CR/MR	Date	9-Jan-00



HYDROMETER TEST

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Hole	TP-T-13-09		
Sample	GS2	Depth	2.0 - 2.1m
Reported By	CR/MR	Date	9-Jan-00

Hydrometer No. 799 Hydrometer Type 151 Graduate No. 9
 Air Dried Wt. of Soil Tested 100.2 g Dry Wt. of Soil Tested 100.20

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. 3-Dec-13

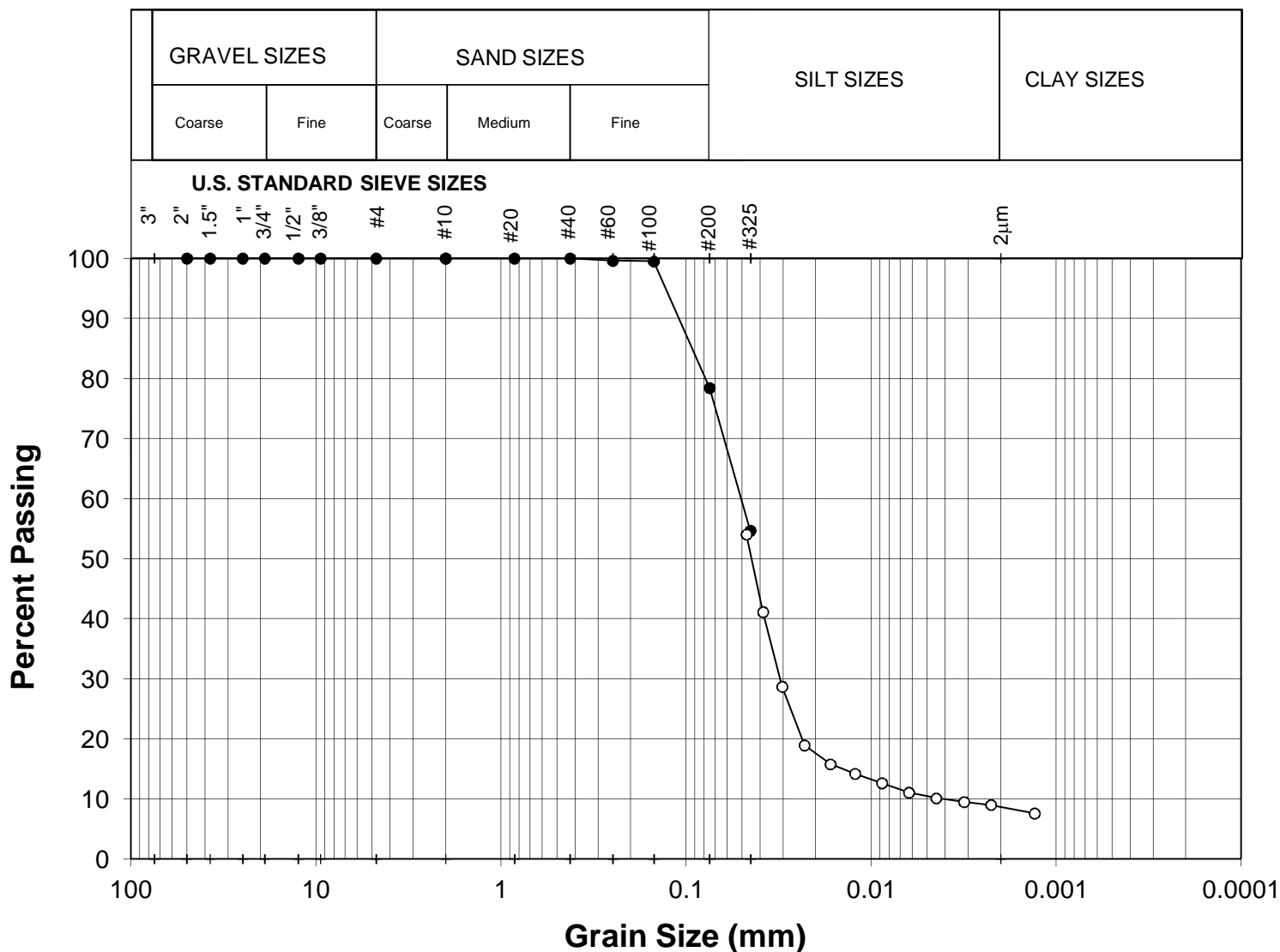
Mechanical Sieve Results

Total Wt of Sample Dry					Hydrometer Test				
+ # 10					(Adjusted for + # 10 Material)				
- # 10					Total Dry Wt. 100.20 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		208.40	100.0	10	2.000		100.20	100
1 1/2 in.	37.5		208.40	100.0	20	0.850		100.20	100
1 in.	25.0		208.40	100.0	40	0.425		100.20	100
3/4 in.	19.0		208.40	100.0	60	0.250	0.4	99.80	100
1/2 in.	12.5		208.40	100.0	100	0.150	0.1	99.70	100
3/8 in.	9.5		208.40	100.0	200	0.075	21.1	78.60	78
4	4.75		208.40	100.0	325	0.045	23.8	54.80	55
10	2.00		208.40	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.
1/9/1900	8:42:00	0							
1/9/1900	8:42:30	0.5	37.3	22.4	6.5	2.983156	34.31684	0.0473	54
1/9/1900	8:43:00	1	29.1	22.4	8.6	2.983156	26.11684	0.0385	41
1/9/1900	8:44:00	2	21.2	22.4	10.7	2.983156	18.21684	0.0303	29
1/9/1900	8:46:00	4	15.0	22.4	12.3	2.983156	12.01684	0.0230	19
1/9/1900	8:50:00	8	13.0	22.4	12.9	2.983156	10.01684	0.0167	16
1/9/1900	8:57:00	15	12.0	22.4	13.1	2.983156	9.016844	0.0123	14
1/9/1900	9:12:00	30	11.0	22.4	13.4	2.983156	8.016844	0.0088	13
1/9/1900	9:42:00	60	10.0	22.4	13.7	2.983156	7.016844	0.0063	11
1/9/1900	10:42:00	120	9.4	22.4	13.9	2.983156	6.416844	0.0045	10
1/9/1900	12:42:00	240	9.0	22.4	13.9	2.983156	6.016844	0.0032	9
1/9/1900	16:42:00	480	8.7	22.4	14.2	2.983156	5.716844	0.0023	9
1/10/1900	8:42:00	1440	7.8	22.4	14.4	2.983156	4.816844	0.0013	8



Remarks

SUMMARY

D ₁₀ =	0.004	Gravel	0.0 %
D ₃₀ =	0.031	Sand	21.6 %
D ₅₀ =	0.045	Silt Sizes	69.8 %
D ₆₀ =	0.054	Clay Sizes	8.6 %
C _U =			
C _C =			

Results of Other Testing

WL	%
WP	%
IP	%



Grain Size Distribution

Project	M Nansen TA5 2013 SI Program		
Project No.	VM00605E.523.20		
Lab No.	S-9985		
Sample	TP-T-13-09		
Hole	GS2	Depth	2.0 - 2.1m
Reported By	CR/MR	Date	9-Jan-00