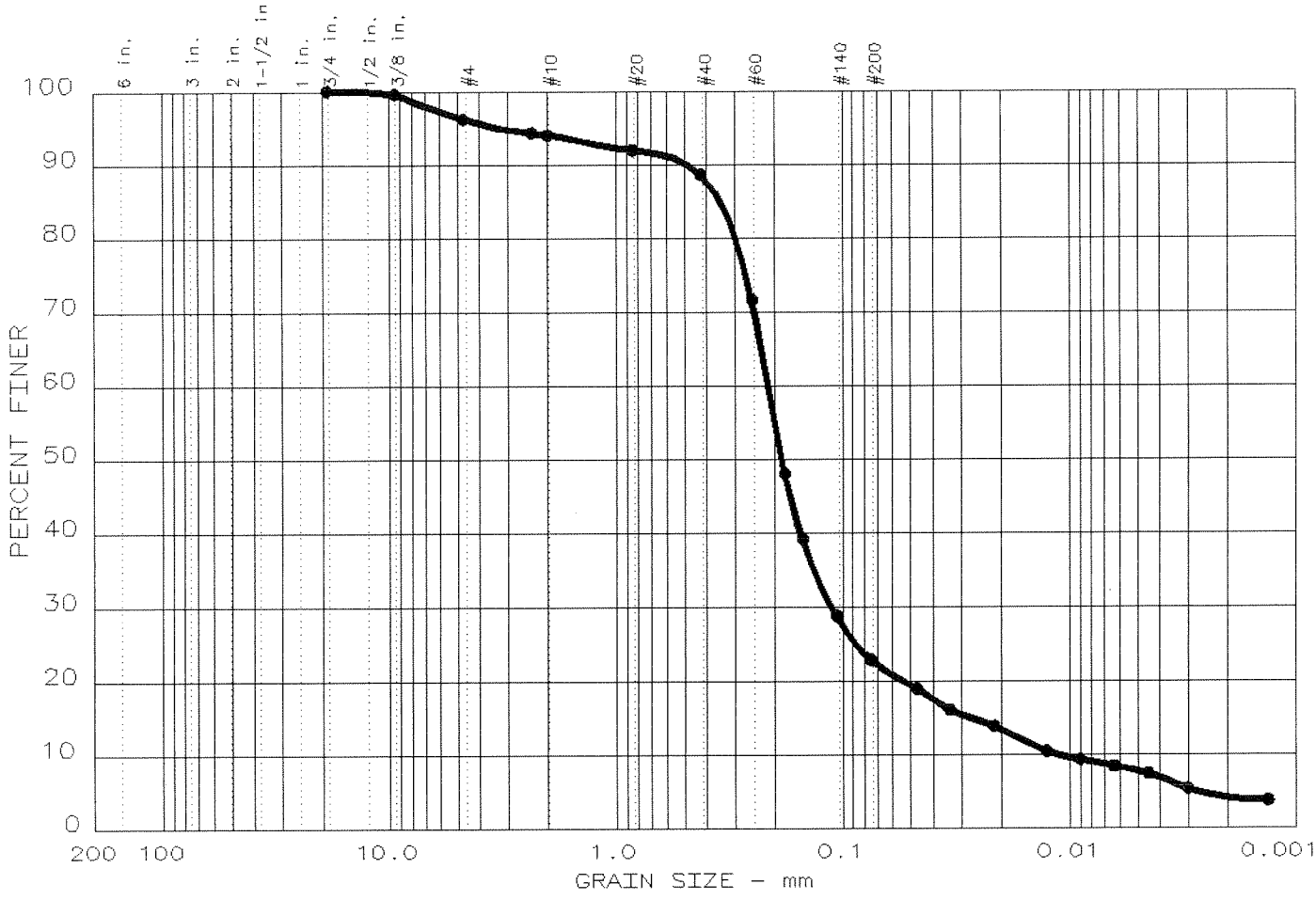
Appendix H
Particle Size Analyses

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.8	73.3	15.1	7.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_C	C_U
●			0.343	0.213	0.186	0.111	0.0267	0.0111	5.23	19.1

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-05, 26.1-27'

Date: 2-11-05

Remarks:

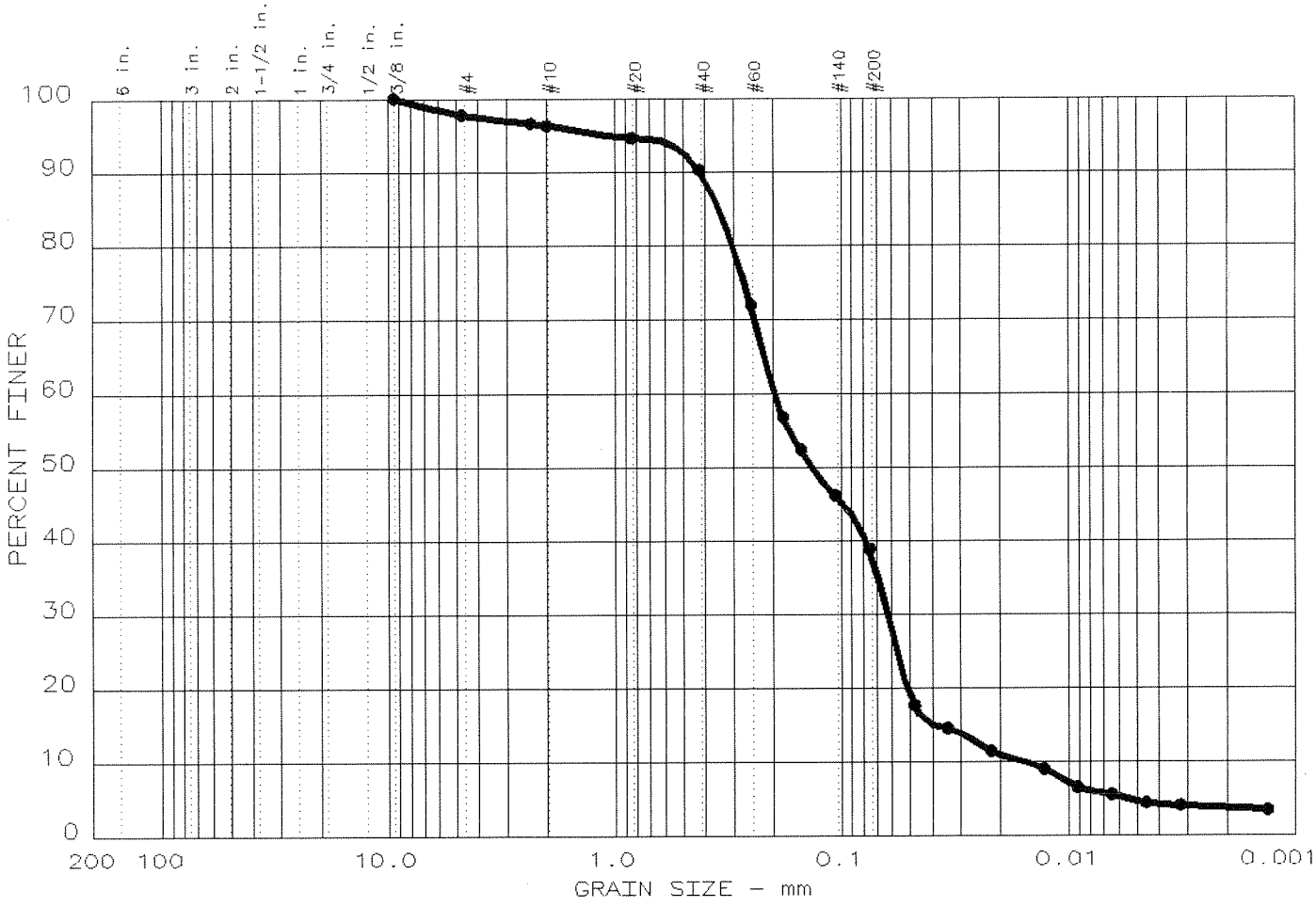
MTC Sample No. 28669

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	2.2	58.9	34.2	4.7

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.347	0.195	0.132	0.0624	0.0403	0.0155	1.29	12.6

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-04, 24-28'

Date: 2-11-05

Remarks:

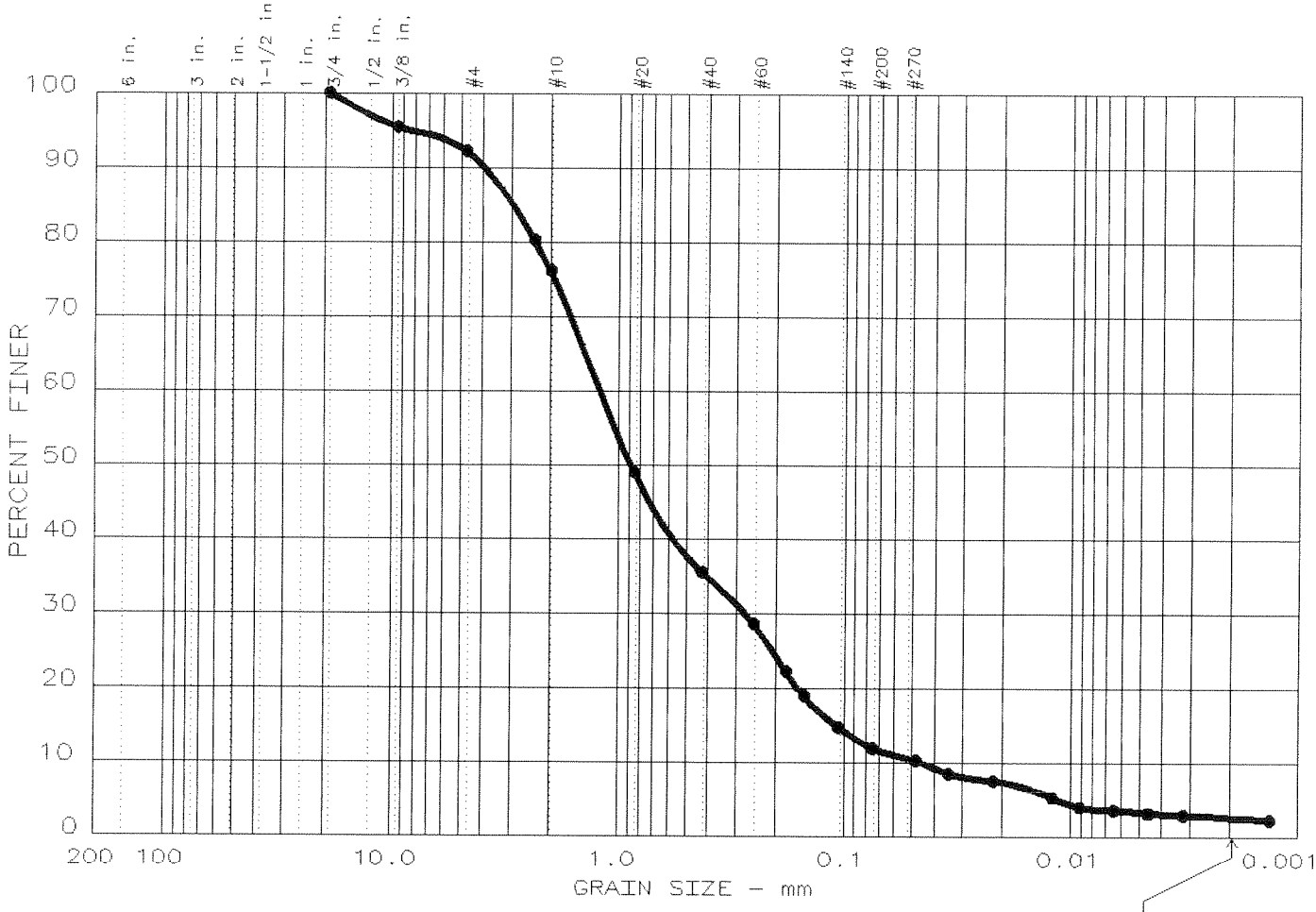
MTC Sample No. 28668

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	7.8	81.5	8.0	2.7

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			2.92	1.20	0.879	0.272	0.108	0.0456	1.35	26.4

MATERIAL DESCRIPTION	USCS	AASHTO
● Well-graded sand with silt	SW-SM	

Project No.: 041642
Project: Velsicon
● Location: MW-23I, 42-45

Date: 12-16-04

Remarks:

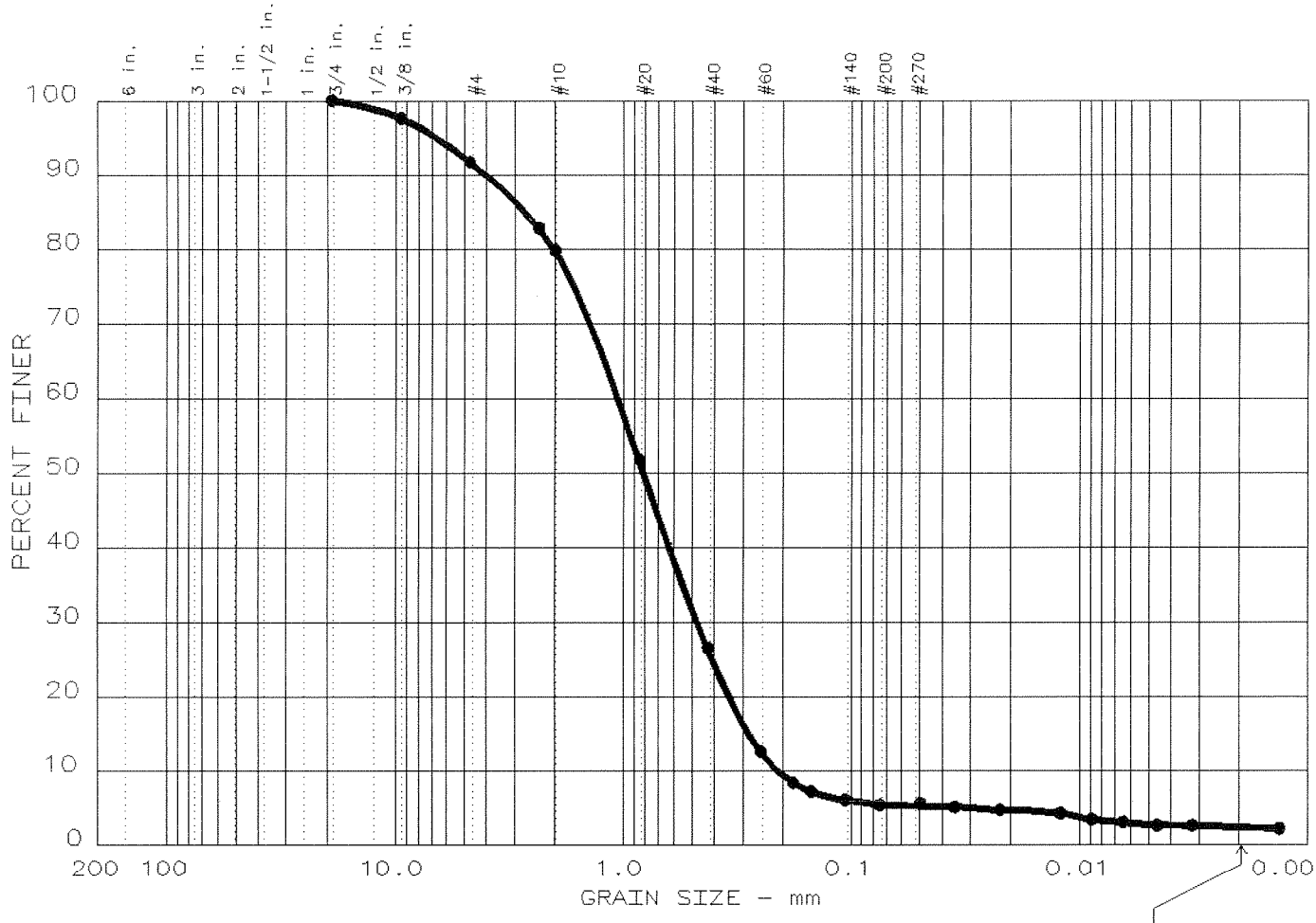
MTC Sample No. 26932

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	8.4	86.4	2.9	2.3

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			2.72	1.05	0.809	0.471	0.281	0.208	1.01	5.1

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded sand with silt	SP-SM	

Project No.: 041642
Project: Velsicon
● Location: MW-31I, 30-32

Date: 12-16-04

Remarks:

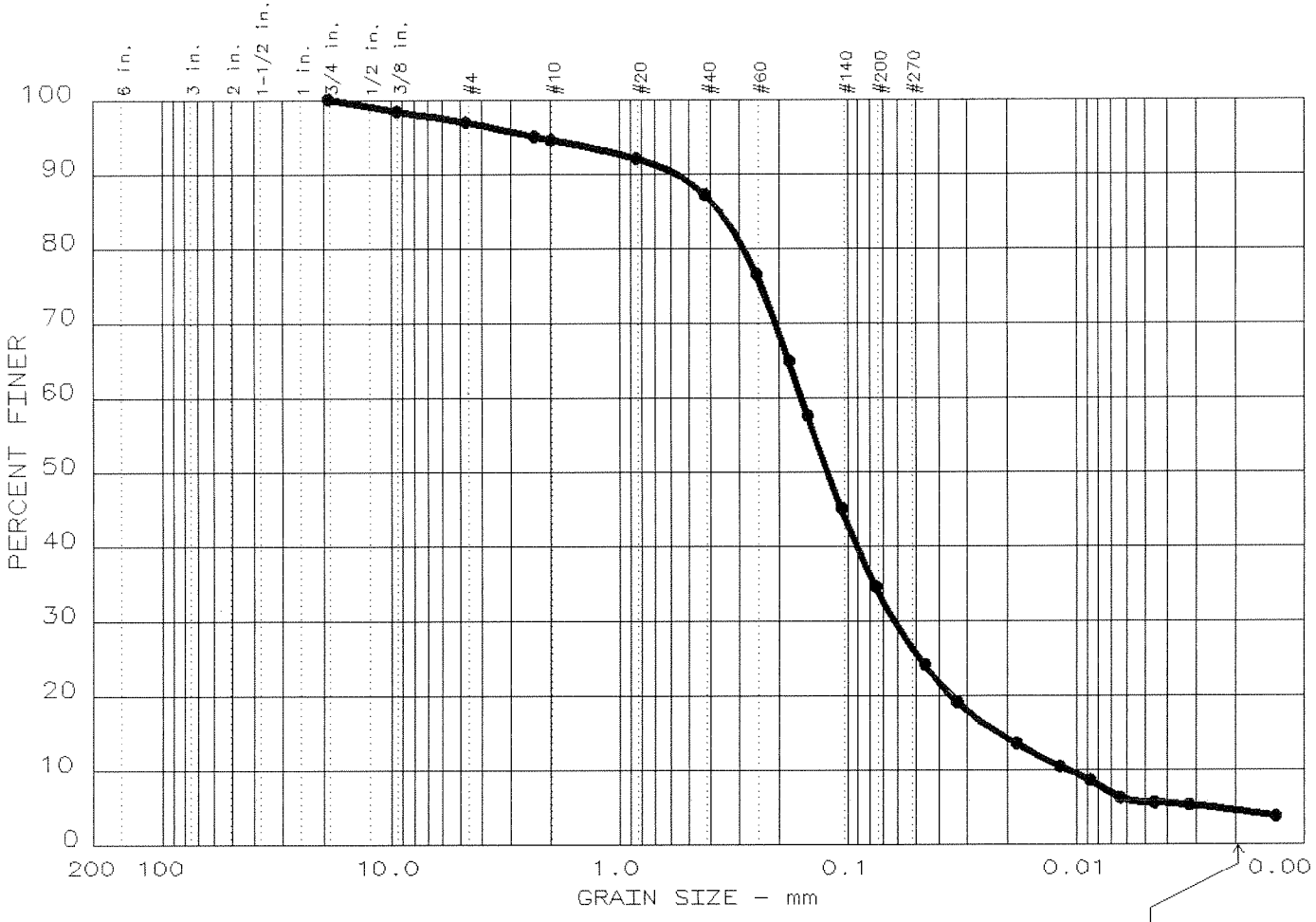
MTC Sample No. 26933

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.1	70.1	22.2	4.6

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.363	0.159	0.122	0.0620	0.0218	0.0109	2.21	14.6

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicon
● Location: MW-16I, 33.75-34.75'

Date: 12-16-04

Remarks:

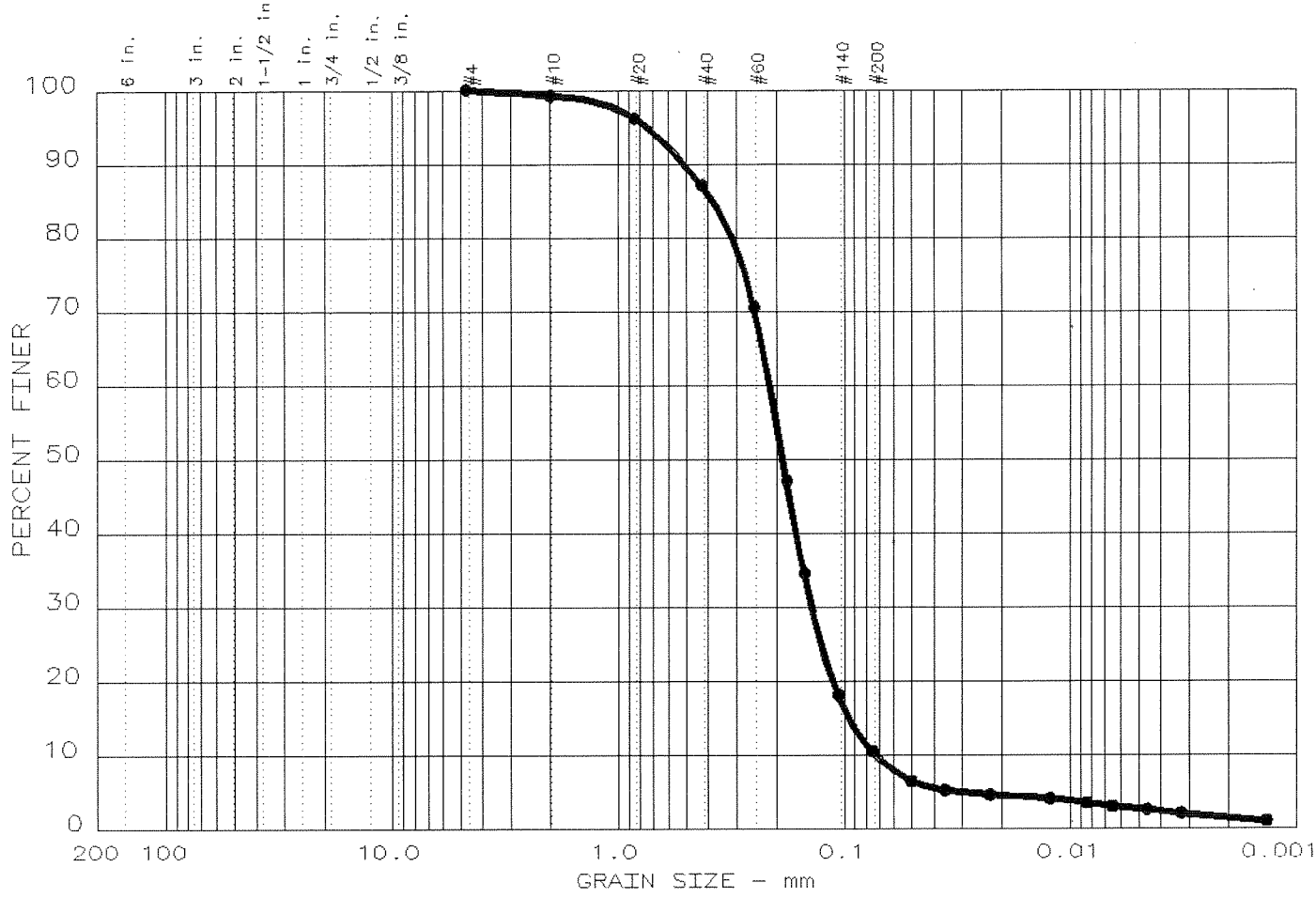
MTC Sample No. 26931

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	89.4	7.9	2.7

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.376	0.214	0.187	0.139	0.0948	0.0719	1.25	3.0

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded sand with silt	SP-SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-03, 33-35'

Date: 2-22-05

Remarks:

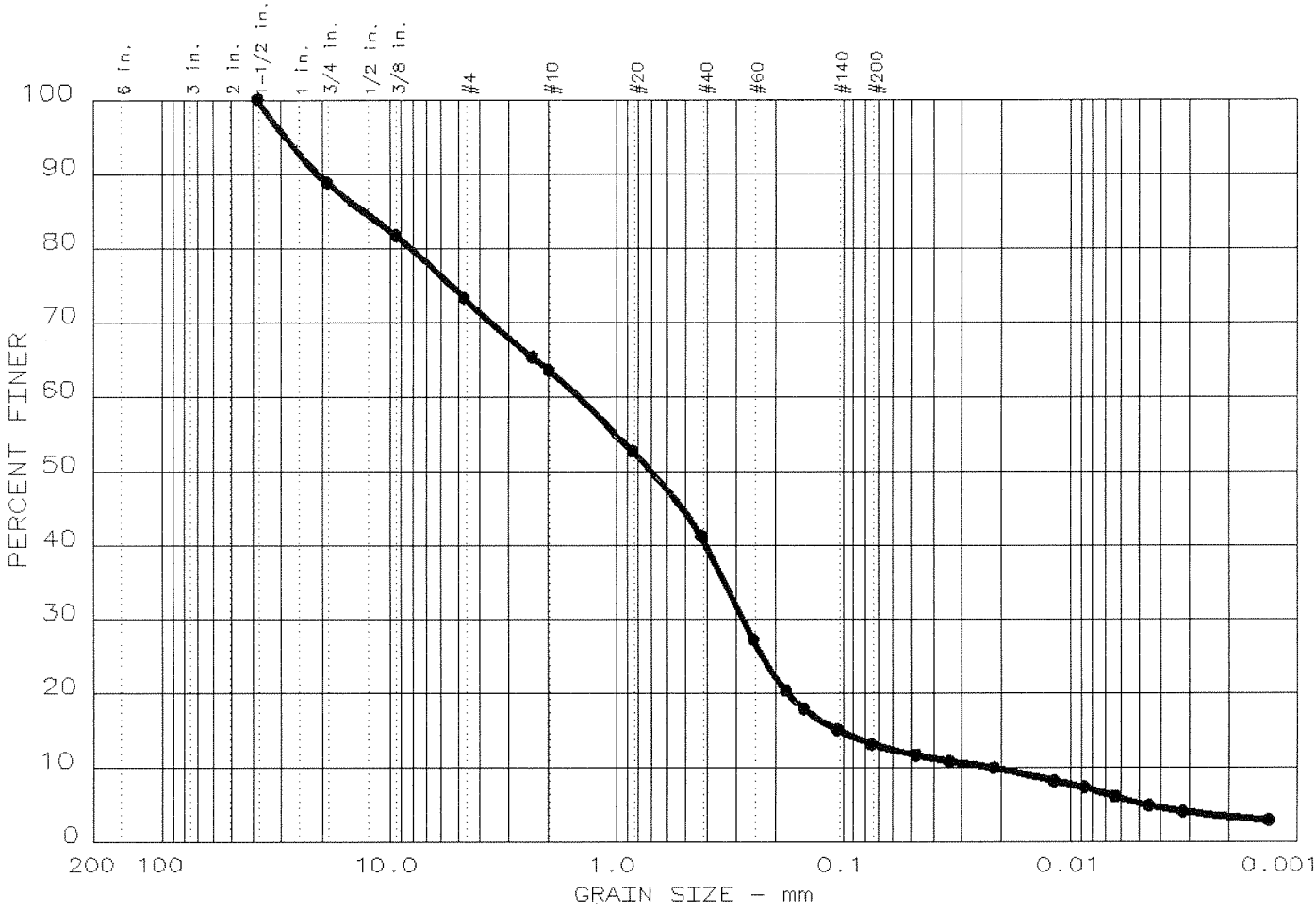
MTC Sample No. 28991

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	26.8	60.1	7.9	5.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			13.3	1.48	0.692	0.278	0.104	0.0221	2.36	67.1

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand with gravel	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-05, 29-34'

Date: 2-22-05

Remarks:

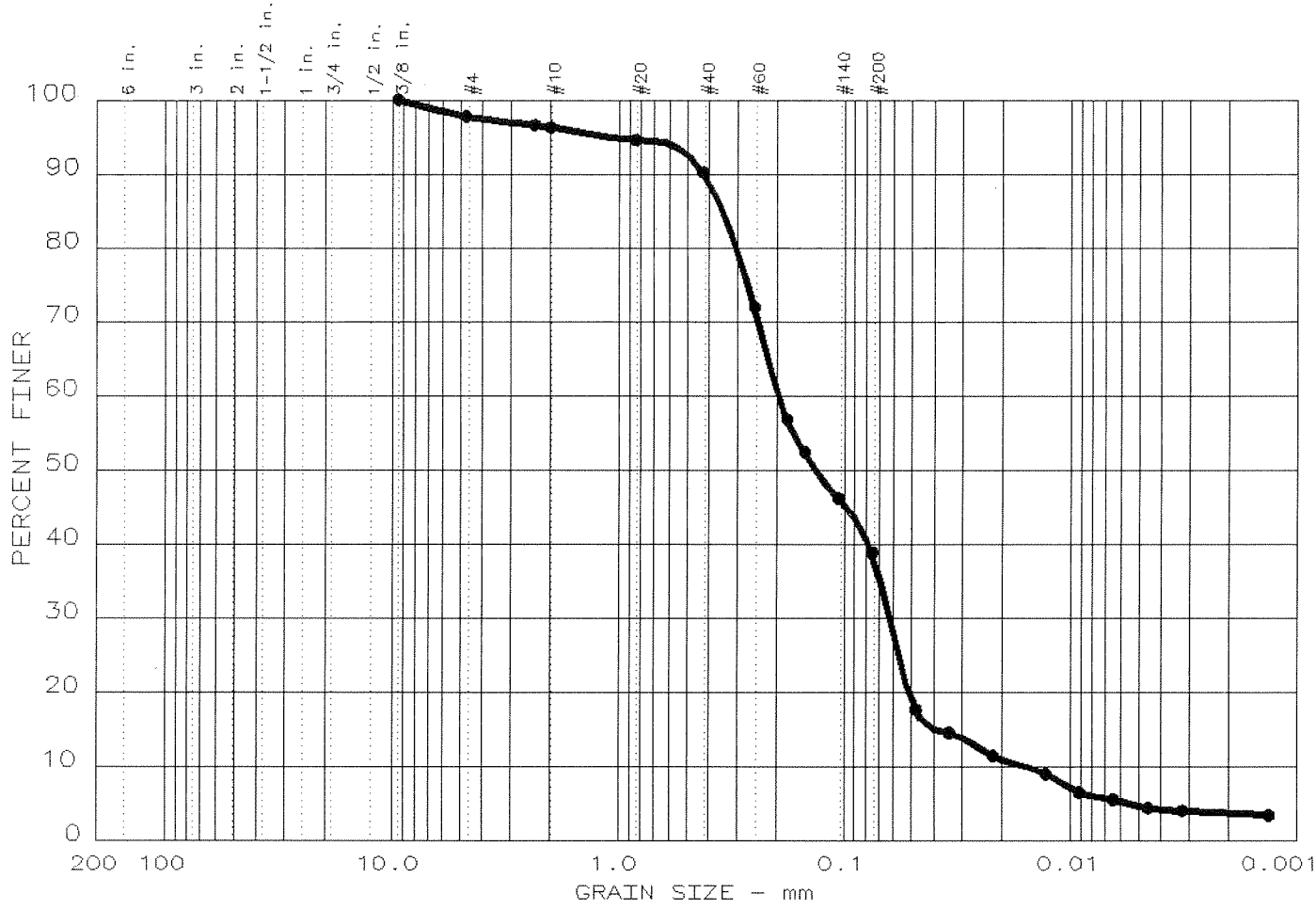
MTC Sample No. 28992

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	2.2	58.9	34.2	4.7

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.347	0.195	0.132	0.0624	0.0403	0.0155	1.29	12.6

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-04, 24-28'

Date: 2-11-05

Remarks:

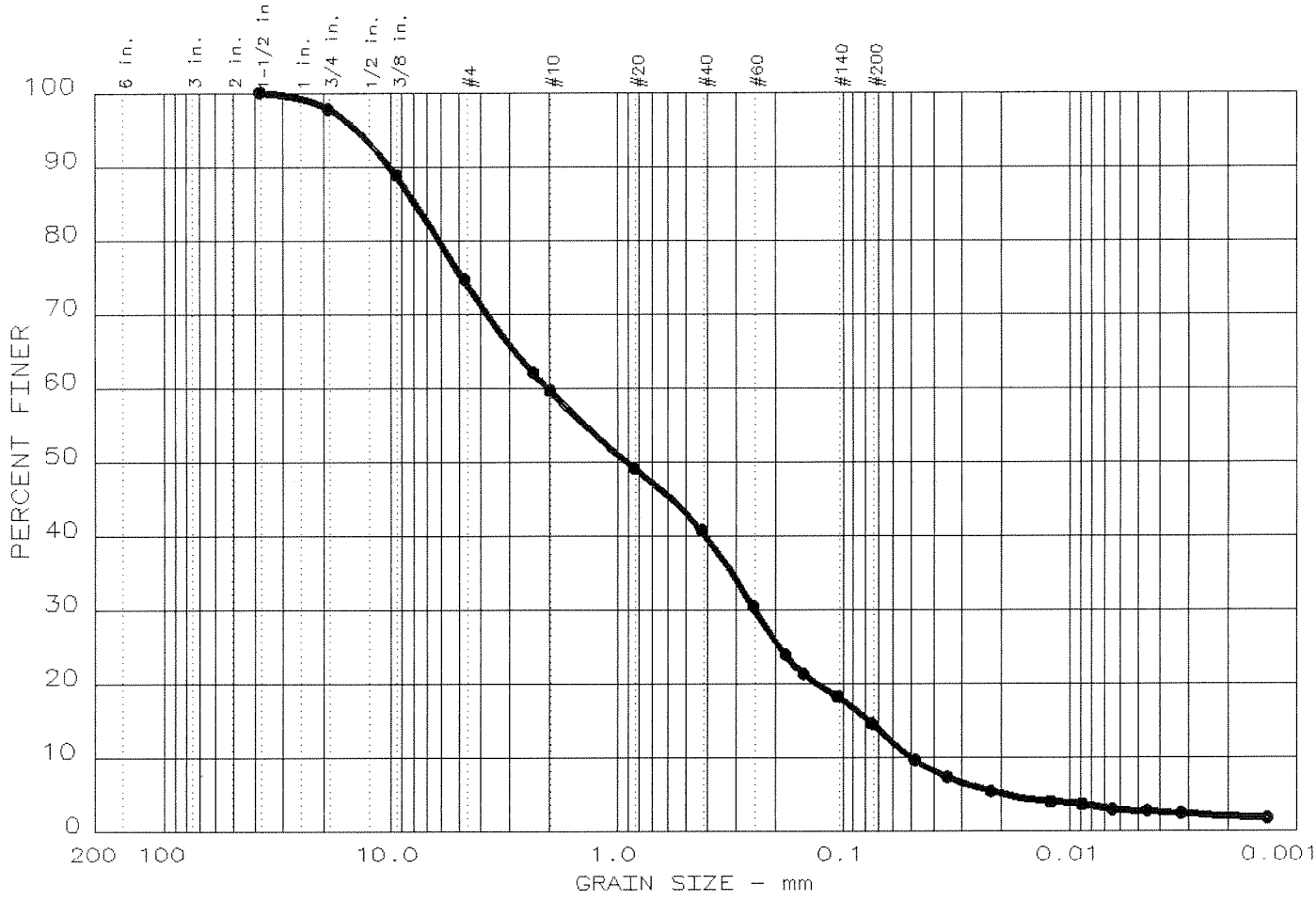
MTC Sample No. 28668

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	25.3	60.0	11.9	2.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			7.76	2.04	0.912	0.243	0.0767	0.0501	0.58	40.7

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand with gravel	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-01, 39-42'

Date: 2-22-05

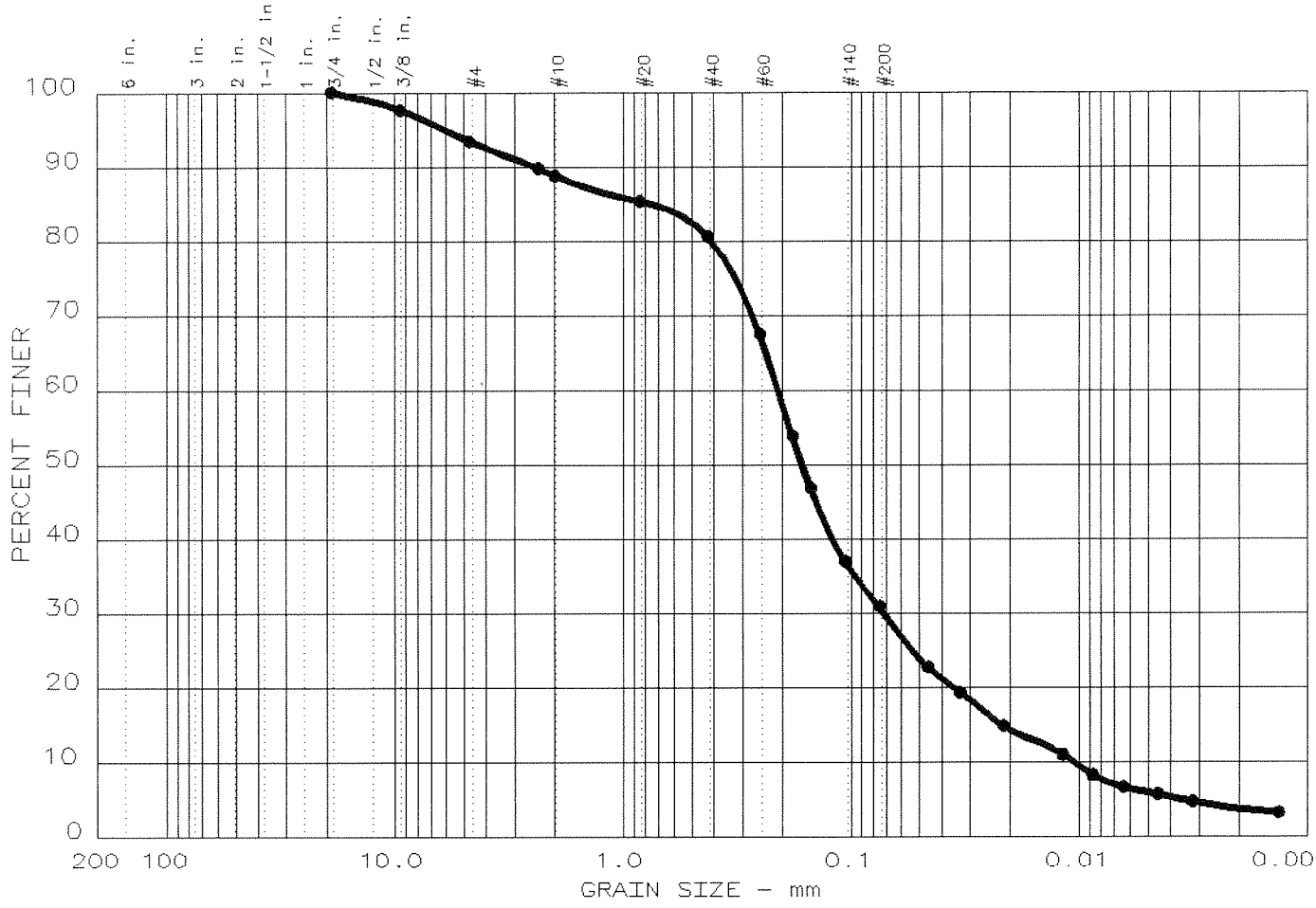
Remarks:
MTC Sample No. 28989

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	6.6	62.5	24.9	6.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.750	0.208	0.163	0.0705	0.0218	0.0105	2.26	19.7

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-02, 45-50'

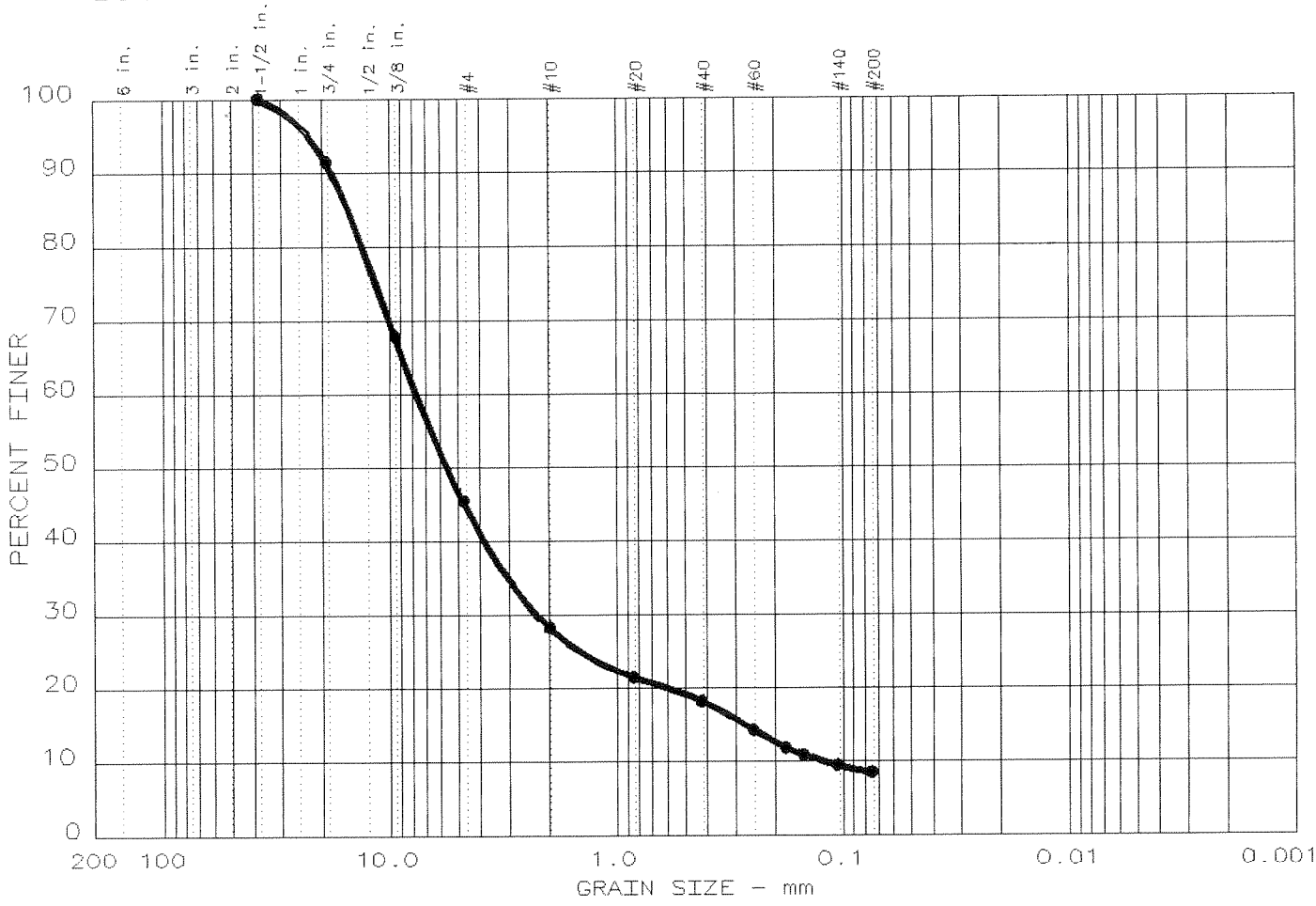
Date: 2-22-05

Remarks:
MTC Sample No. 28990

GRAIN SIZE DISTRIBUTION TEST REPORT
MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	54.6	37.0	8.4	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			15.2	7.64	5.58	2.25	0.267	0.118	5.60	64.8

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded gravel with silt and sand	GP-GM	

Project No.: 041642
Project: Velsicol
● Location: SBI-03, 51.5-54'

Date: 3-8-05

Remarks:

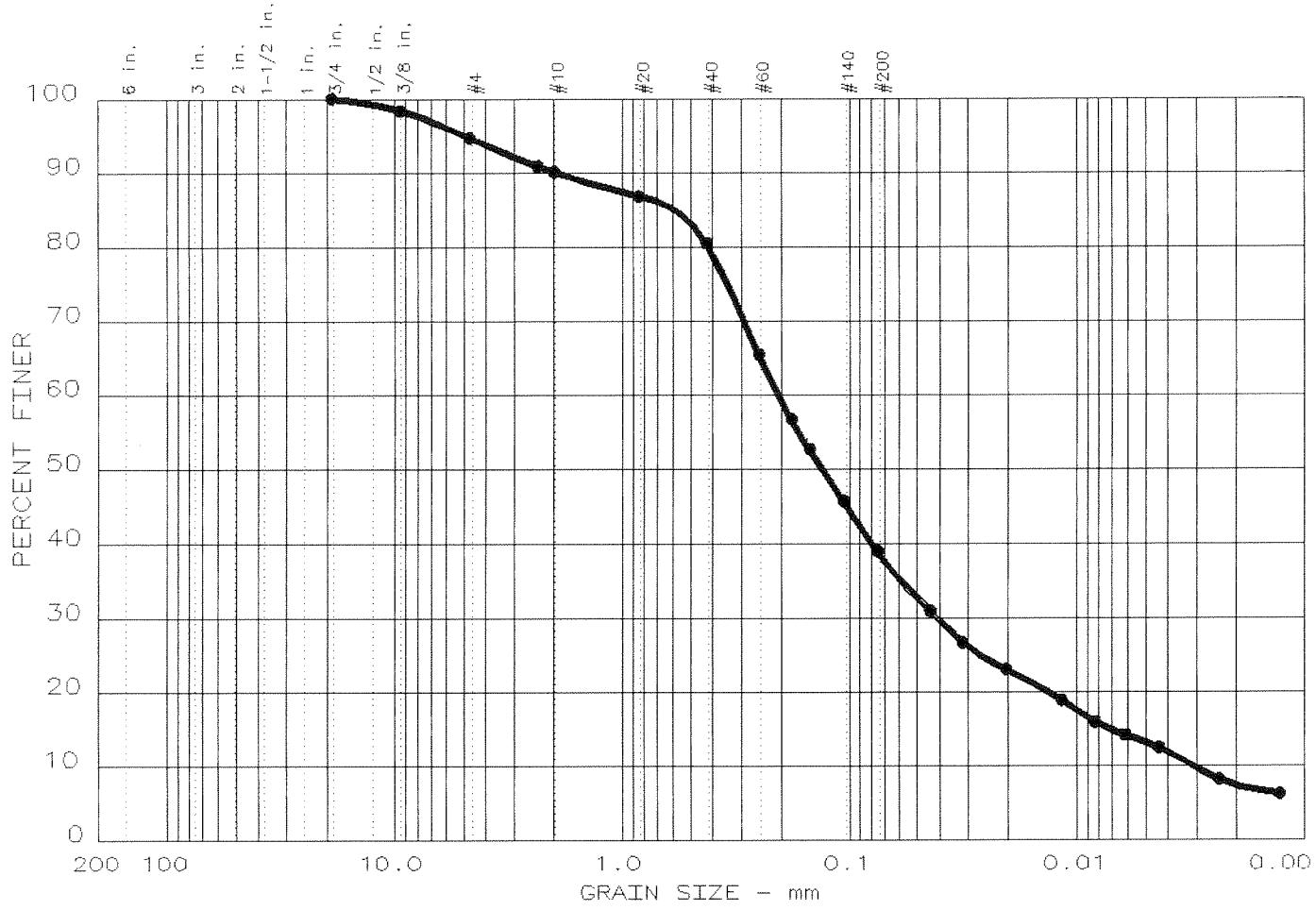
MTC Sample No. 29433

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	5.3	55.7	25.8	13.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.589	0.204	0.132	0.0407	0.0072	0.0031	2.63	66.1

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-04, 67-72

Date: 3-8-05

Remarks:

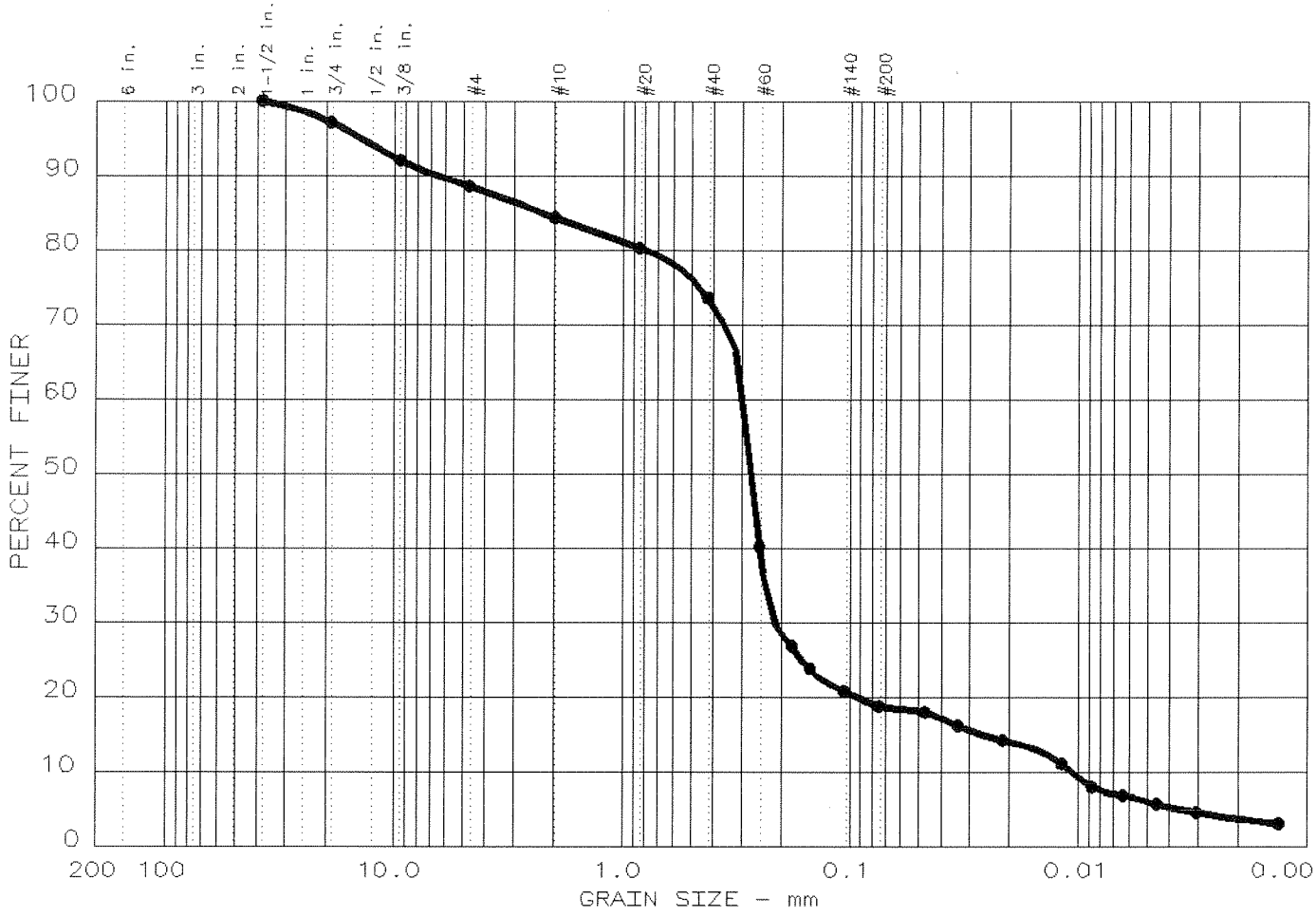
MTC Sample No. 29434

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	11.4	69.8	12.7	6.1

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			2.29	0.294	0.271	0.212	0.0261	0.0105	14.55	28.0

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-07, 40-45'

Date: 3-17-05

Remarks:

MTC Sample No. 29656

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	9.4	59.2	20.4	11.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.841	0.209	0.165	0.0627	0.0097	0.0042	4.49	49.8

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 041642
Project: Velsicol
● Location: SBI-06, 60-66'

Date: 3-17-05

Remarks:

MTC Sample No. 29657

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____