

APPENDIX J

SIEVE ANALYSIS DATA

TABLE J-1
AVM GOWANDA SITE
PRE-DESIGN STUDY
SEIVE ANALYSIS OF SOIL SAMPLES
PERCENT PASSING

SIEVE SIZE (mm)	LOCATION and DEPTH (feet)									
	B-1	B-2	B-3	B-3	B-3	B-4	B-4	B-4	B-5	B-5
24.0-28.0		8.0-16.0	17.0-22.0	29.0-36.0	20.0-24.0	12.0-20.0	20.0-24.0	12.0-16.0	20.0-24.0	
38.10		100			100			100	100	100
25.40		84.7			98.2			87.2		94.7
19.05	100	72.3			96.9			83.1		94.7
12.70	99.6	63.8			94.9			76.6		94.7
9.53	99.6	60.1			94.2	100		72.4		94.6
6.35	99.5	51.5			92.3	99.7		66.7		93.7
4.75	99.1	47.0			91.2	99.6		63.5		93.0
2.00	98.4	37.8	100		90.4	99.5		57.3		92.4
0.60	96.3	26.8	99.9		88.1	98.7		48.7		90.3
0.425	95.8	24.7	99.8		87.6	98.5		47.3		89.9
0.250	94.6	20.8	99.4	100	86.9	98.3		45.2		89.4
0.150	91.2	17.4	90.2	99.9	86.2	97.8		43.0		86.3
0.075	87.7	14.0	69.8	96.3	85.5	97.3		40.0		81.6



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SIEVE ANALYSIS OF
 SOIL / AGGREGATE

PROJECT TITLE Laboratory Testing - AVM - Gowanda

Project # 2184

REPORT # 1

PROJECT # L-04152
 TEST METHOD ASTM D422 & D1140

REPORT DATE: September 7, 2004

Lab I.D. #	Sample	Depth (feet)	Sieve Size - Percent Passing Sieve												
			1 1/2"	1"	3/4"	1/2"	3/8"	1/4"	#4	#10	#30	#40	#60	#100	#200
18135	B-1	24.0 - 38.0	--	--	100	99.6	99.6	99.5	99.1	98.4	96.3	95.8	94.6	91.2	87.7
18136	B-2	8.0 - 16.0	100	84.7	72.3	63.8	60.1	51.5	47.0	37.8	26.8	24.7	20.8	17.4	14.0
18137	B-3	17.0 - 22.0	--	--	--	--	--	--	--	100	99.9	99.8	99.4	90.2	69.8
18138	B-3	29.0 - 36.0	--	--	--	--	--	--	--	--	--	--	100	99.9	96.3
18139	B-4	12.0 - 20.0	100	98.2	96.9	94.9	94.2	92.3	91.2	90.4	88.1	87.6	86.9	86.2	85.5
18140	B-4	20.0 - 24.0	--	--	--	--	100	99.7	99.6	99.5	98.7	98.5	98.3	97.8	97.3
18141	B-5	12.0 - 16.0	100	87.2	83.1	76.6	72.4	66.7	63.5	57.3	48.7	47.3	45.2	43.0	40.0
18142	B-5	20.0 - 24.0	100	94.7	94.7	94.7	94.6	93.7	93.0	92.4	90.3	89.9	89.4	86.3	81.6

Sample mass, as received, meets minimum mass requirements of test method: Yes No Prewashed: Yes No

Remarks: Performed By: MM, JM, KW Checked By: V.J. Thoma

**FIGURE J-1
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**

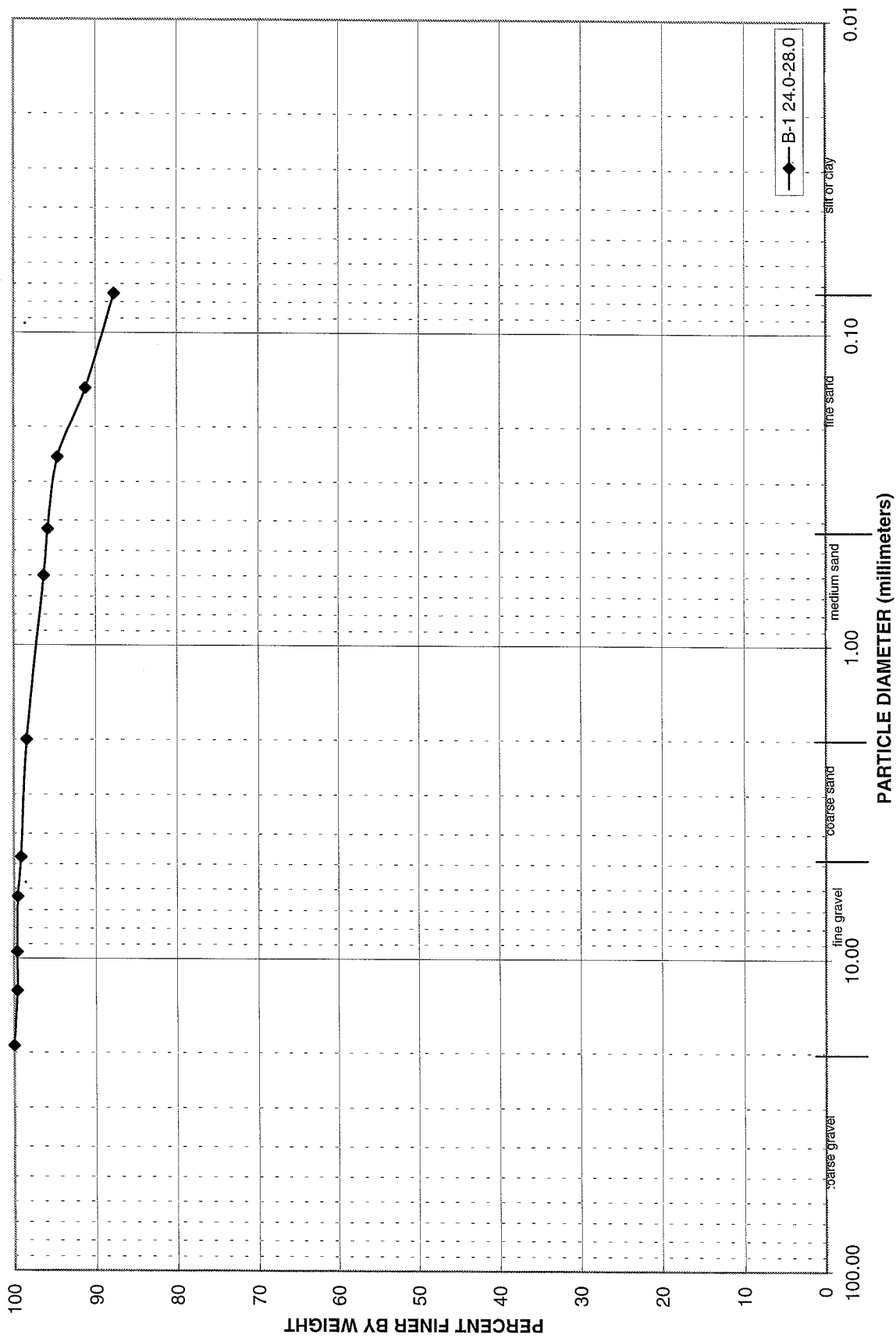
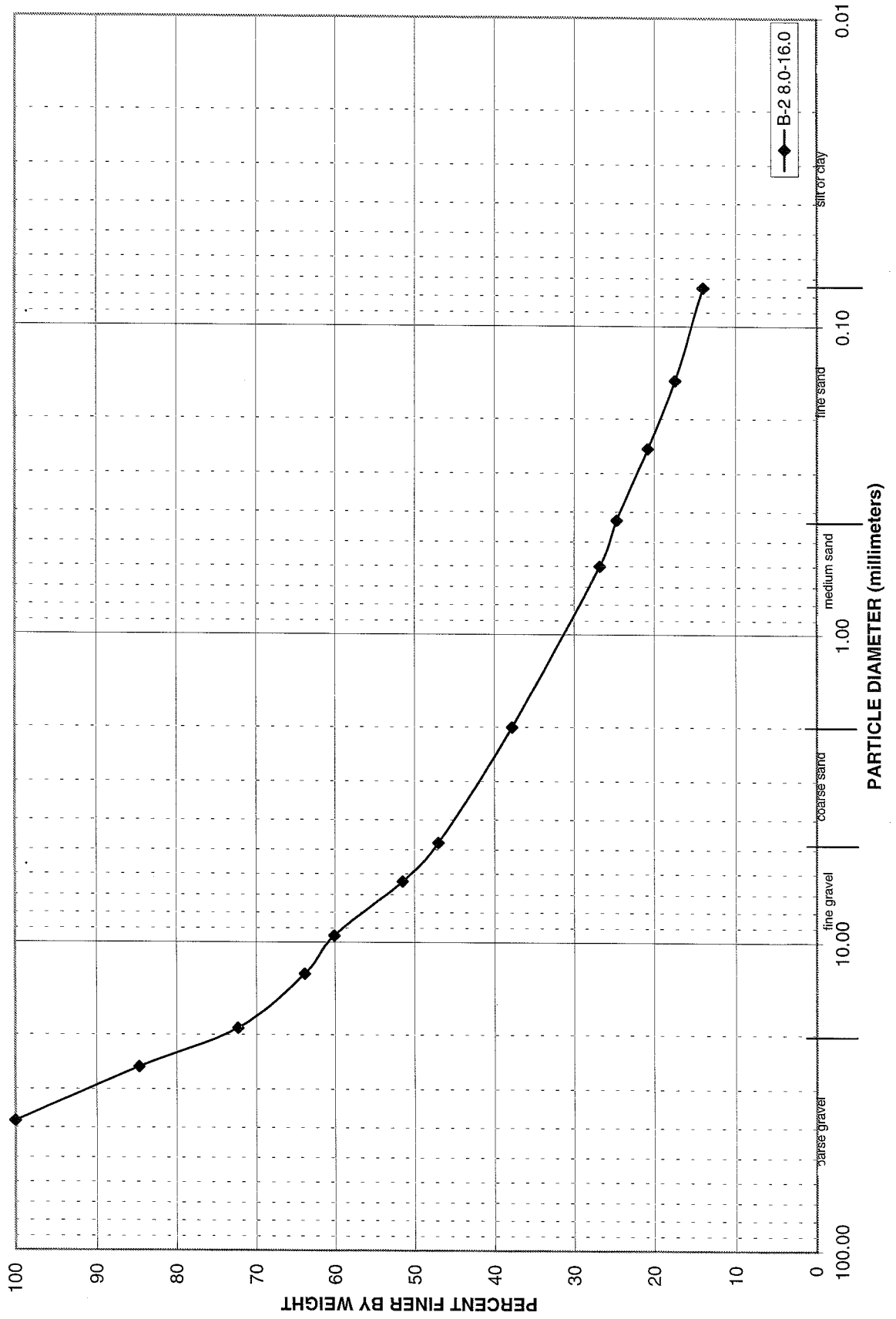
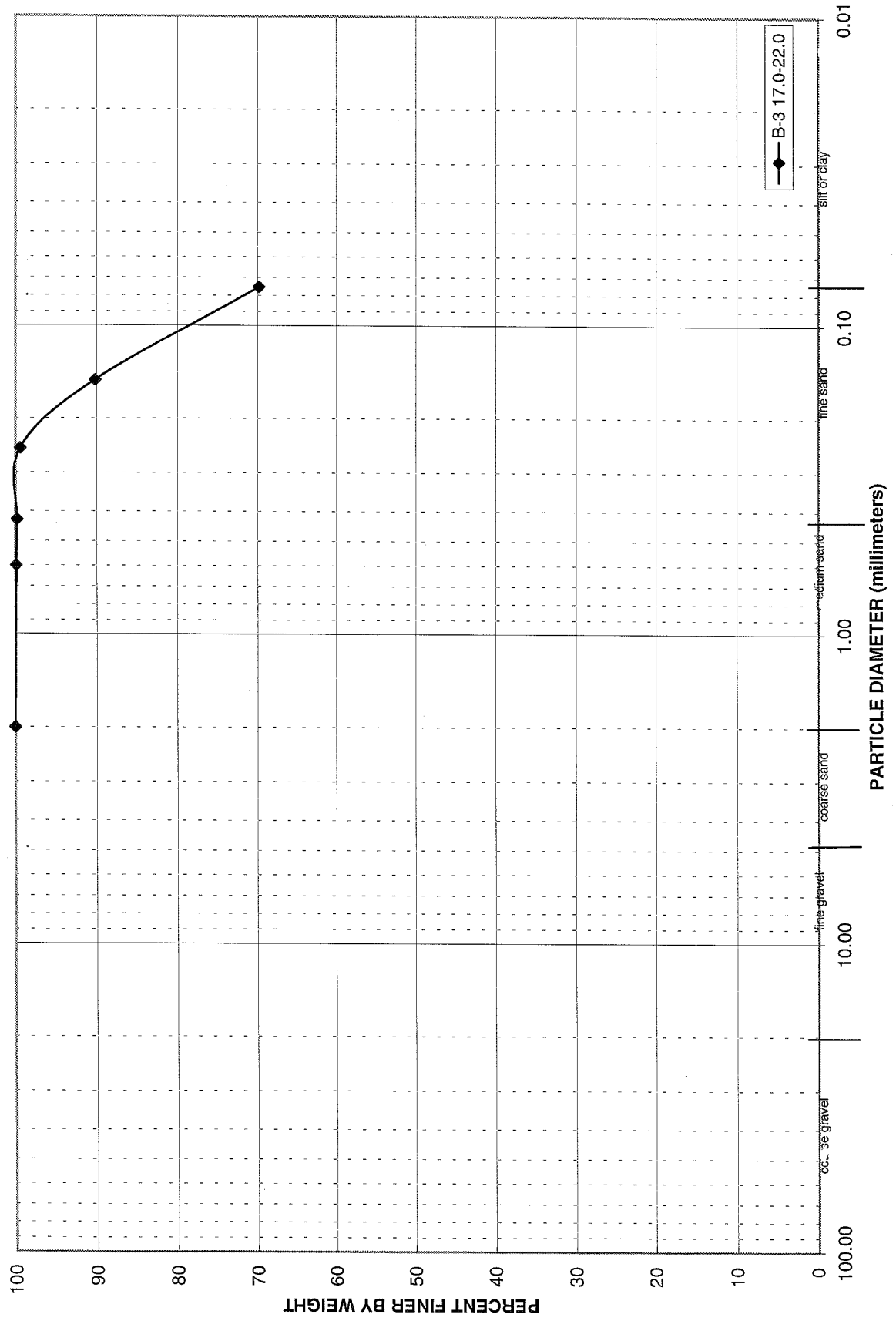


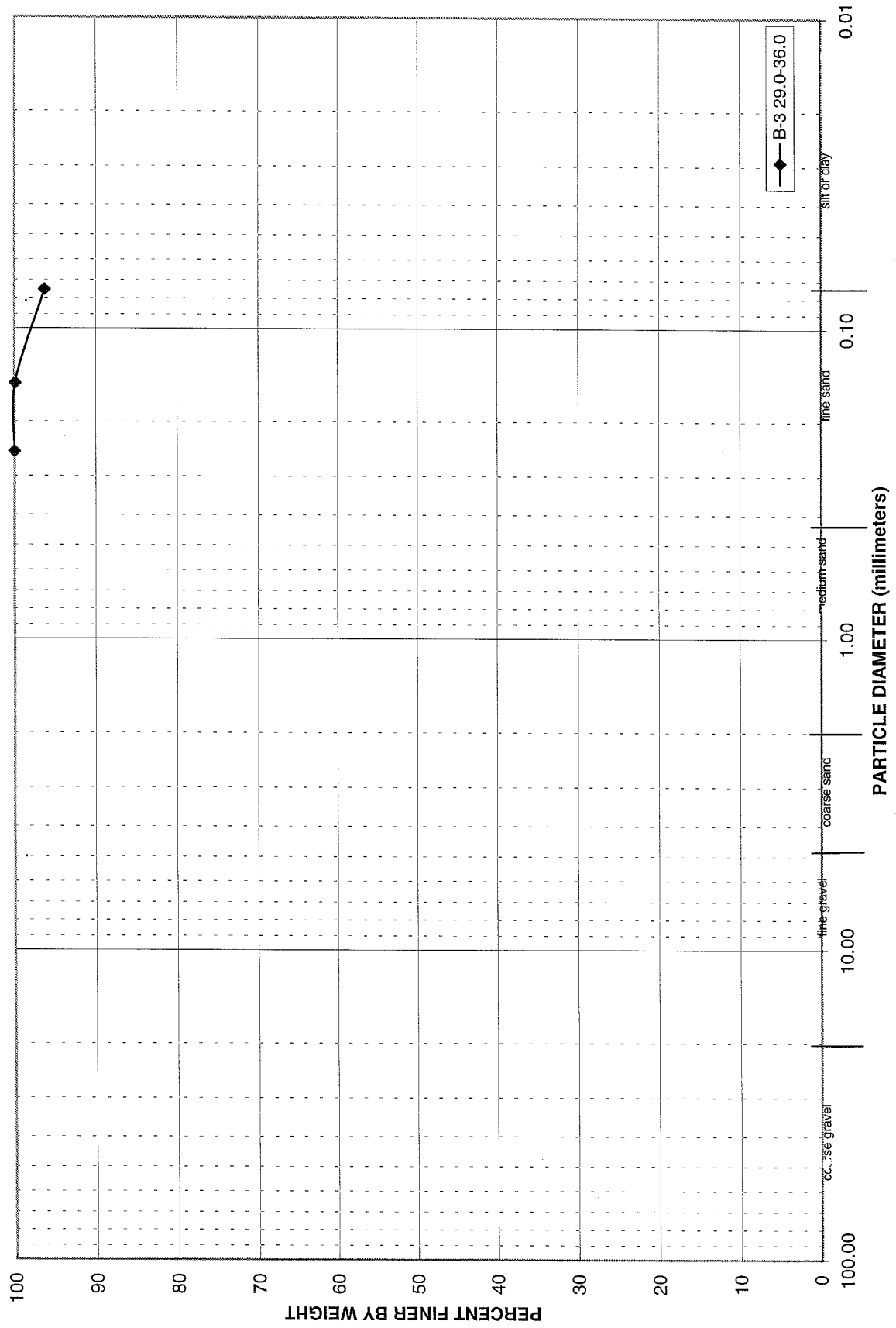
FIGURE J-2
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS



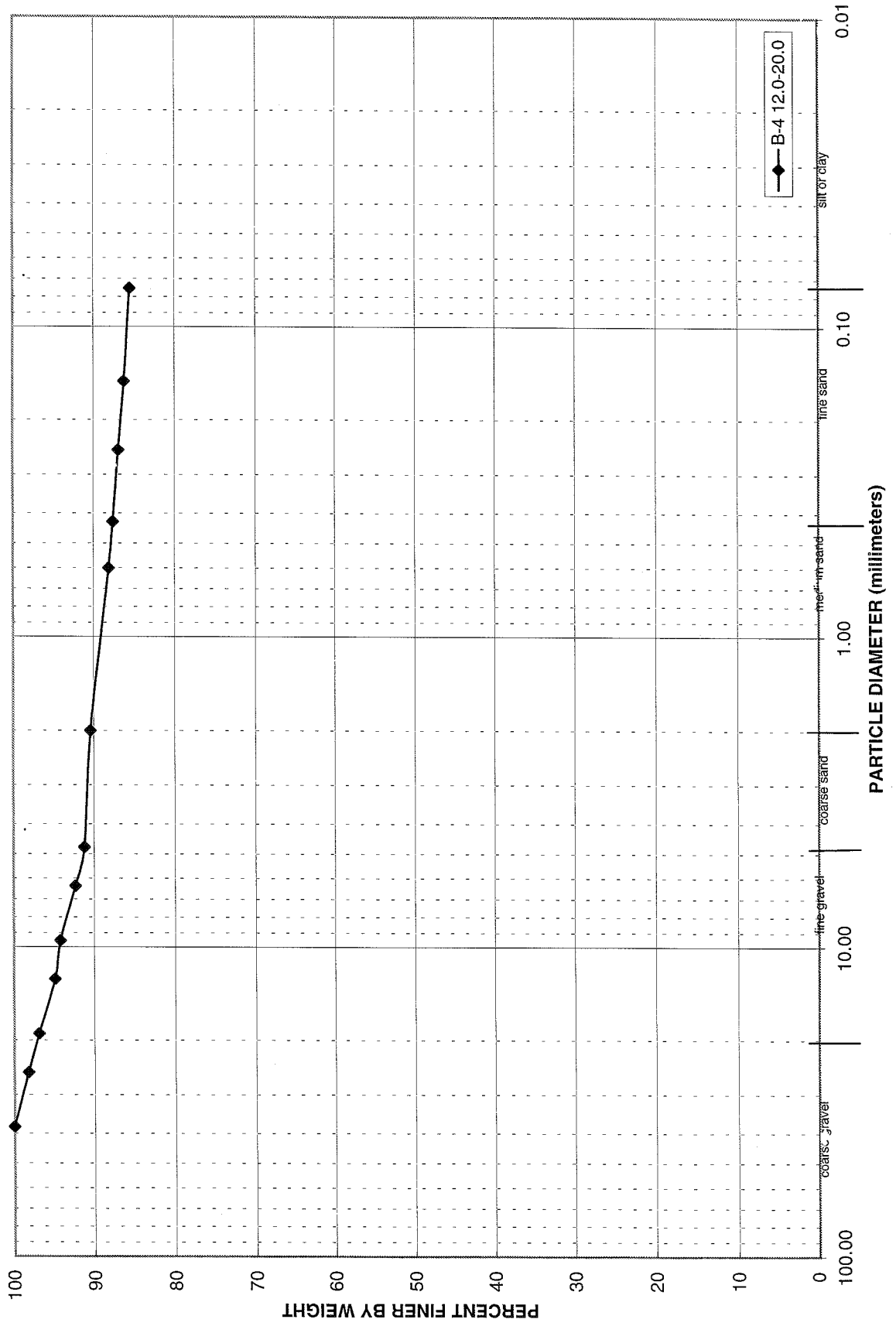
**FIGURE J-3
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**



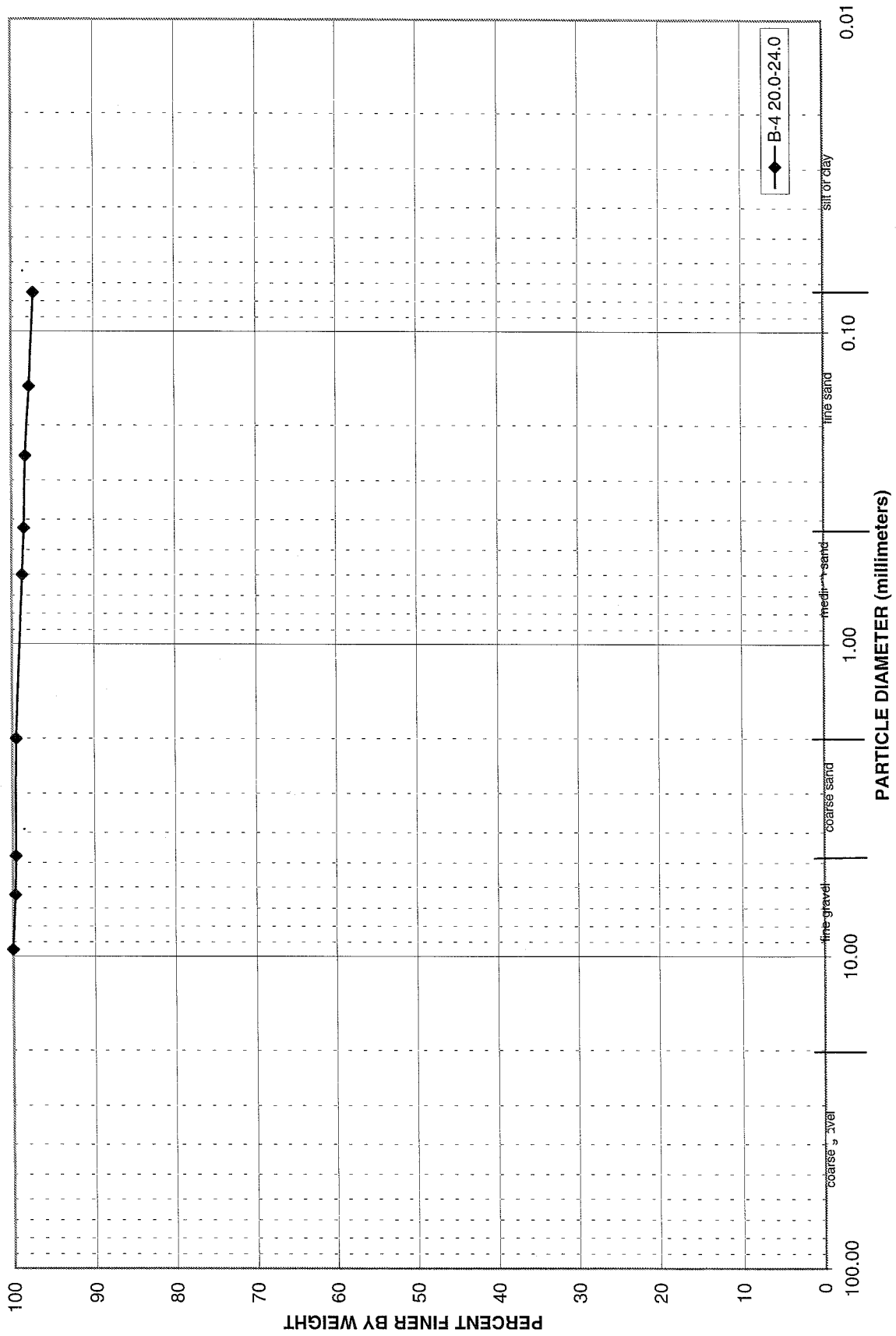
**FIGURE J-4
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**



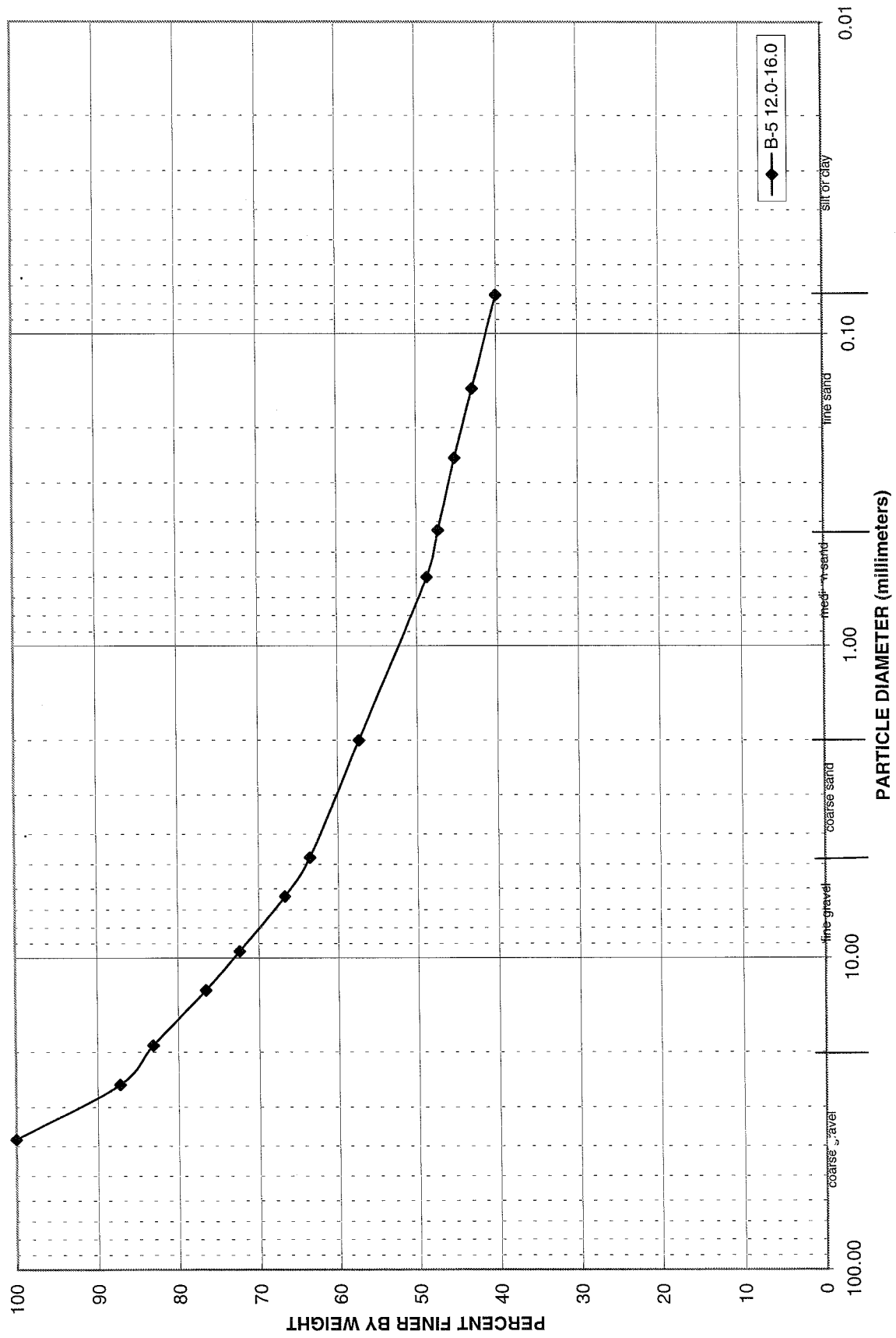
**FIGURE J-5
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**



**FIGURE J-6
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**



**FIGURE J-7
 AVM GOWANDA PRE-DESIGN STUDY
 PARTICLE SIZE ANALYSIS**



**FIGURE J-8
AVM GOWANDA PRE-DESIGN STUDY
PARTICLE SIZE ANALYSIS**

