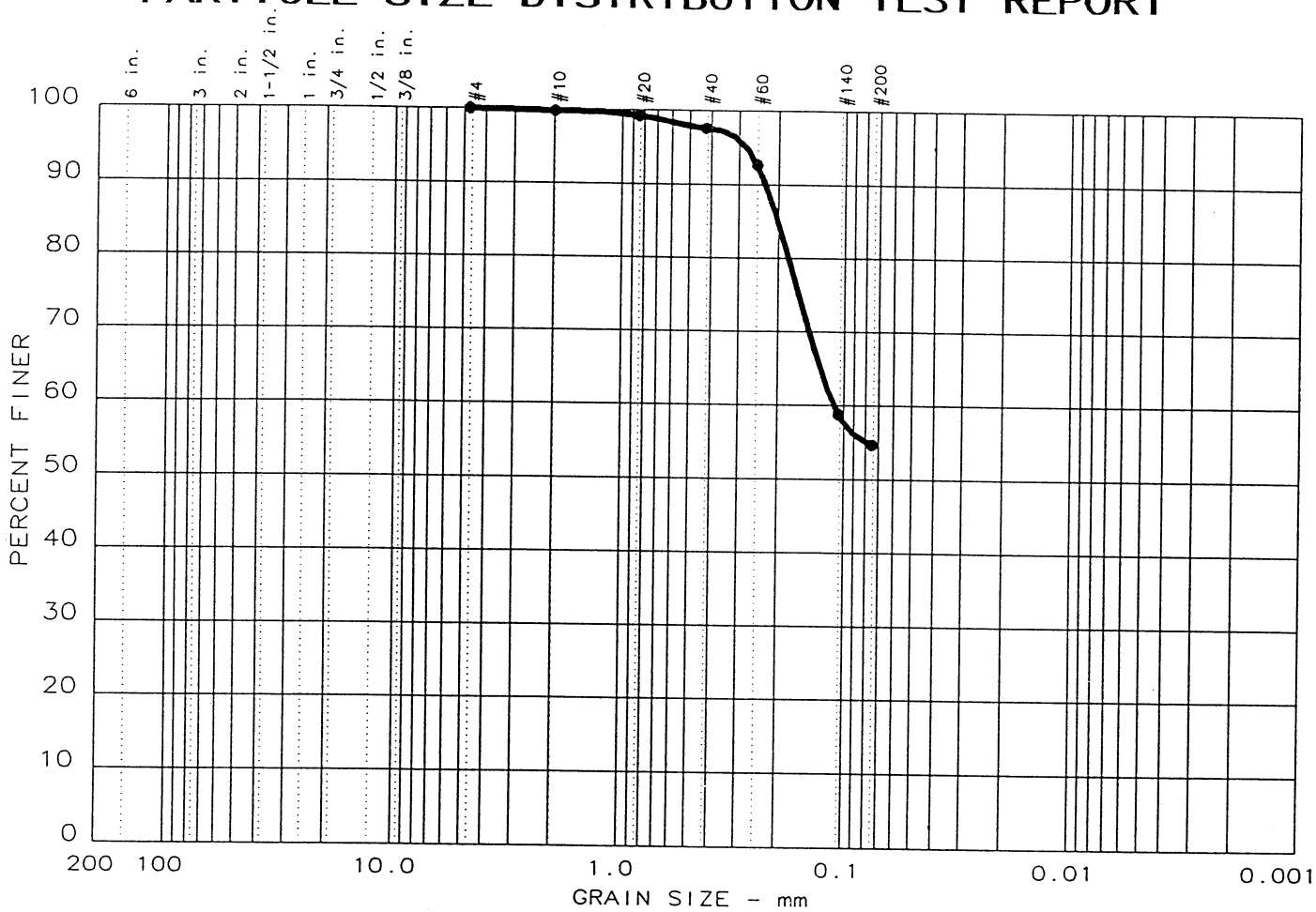
PARTICLE SIZE DISTRIBUTION TEST REPORT



	% '+3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	45.3	54.7		MH	81	38

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}	0.11		
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	99.7		
20	99.2		
40	97.6		
60	92.7		
140	58.8		
200	54.7		

Sample information:

● Station: E-MR-95-1
Brown Very Sandy SILT
w/shell

Remarks:
PPB Sample No. 122976

LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River
Date: 9-28-95
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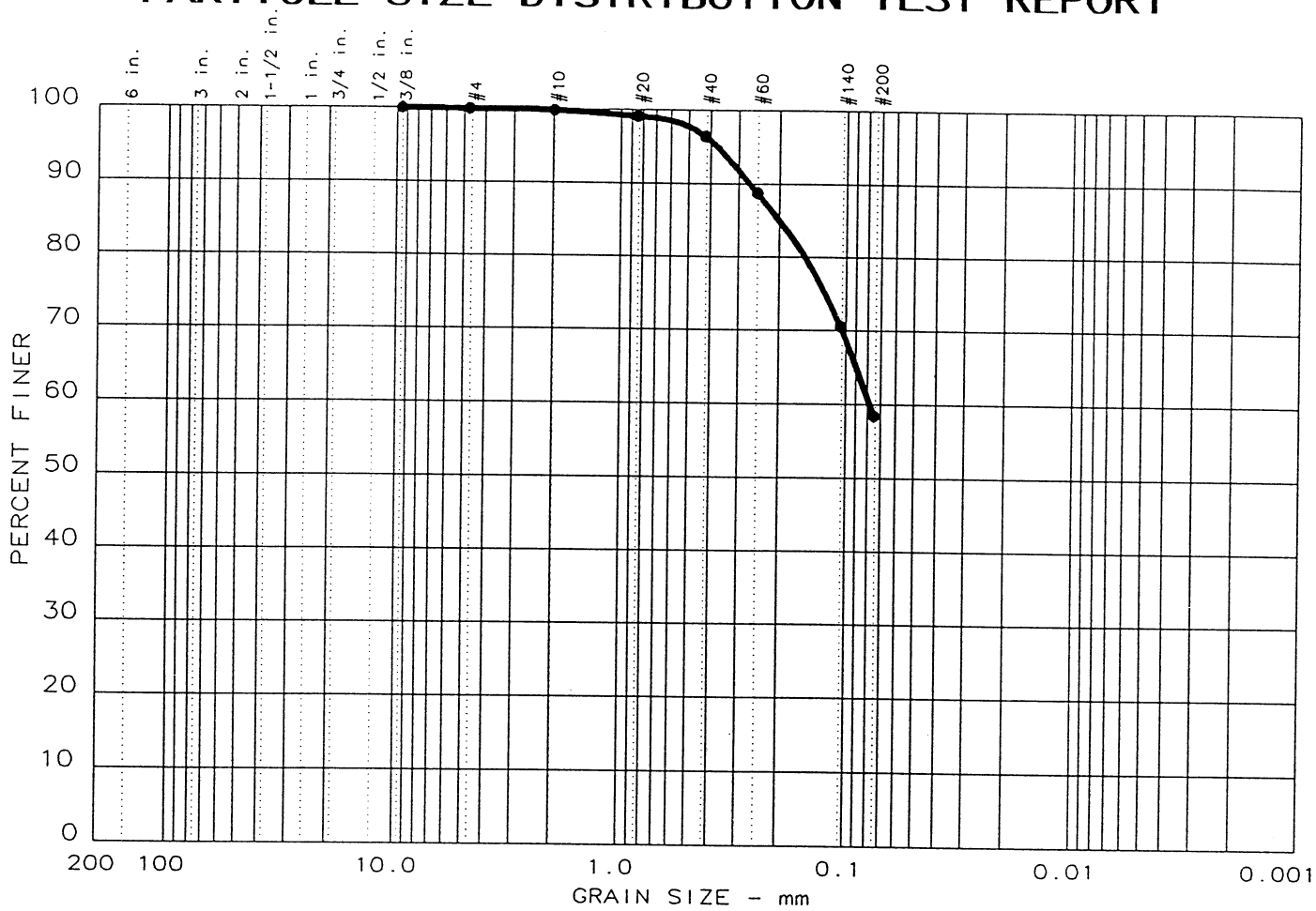
PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.1	41.4	58.5		MH	80	29

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
	GRAIN SIZE		
D_{60}	0.08		
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	99.9		
10	99.8		
20	99.0		
40	96.4		
60	88.8		
140	70.6		
200	58.5		

Sample information:

● Station: E-MR-95-2
Brown Very Sandy SILT
w/ shell

Remarks:
PPB Sample No. 122823

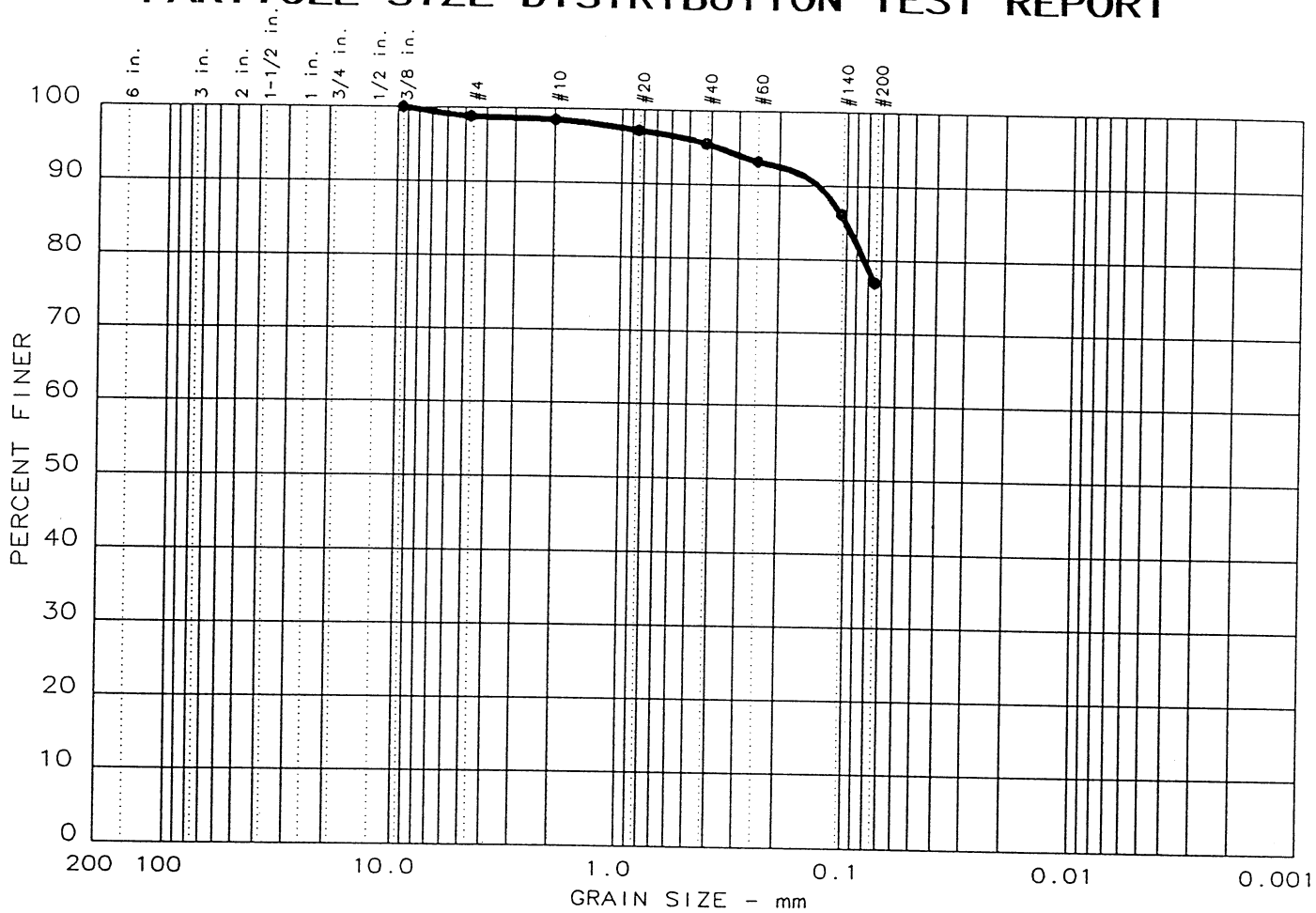
LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River
Date: 9-28-95

BBW

Data Sheet No. ____

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	1.2	21.9	76.9		MH	106	37

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
GRAIN SIZE			
D_{60}			
D_{30}			
D_{10}			
COEFFICIENTS			
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	98.8		
10	98.5		
20	97.2		
40	95.5		
60	93.2		
140	86.2		
200	76.9		

Sample information:

● Station: E-MR-95-3
Brown Sandy SILT
w/ shell

Remarks:
PPB Sample No. 122826

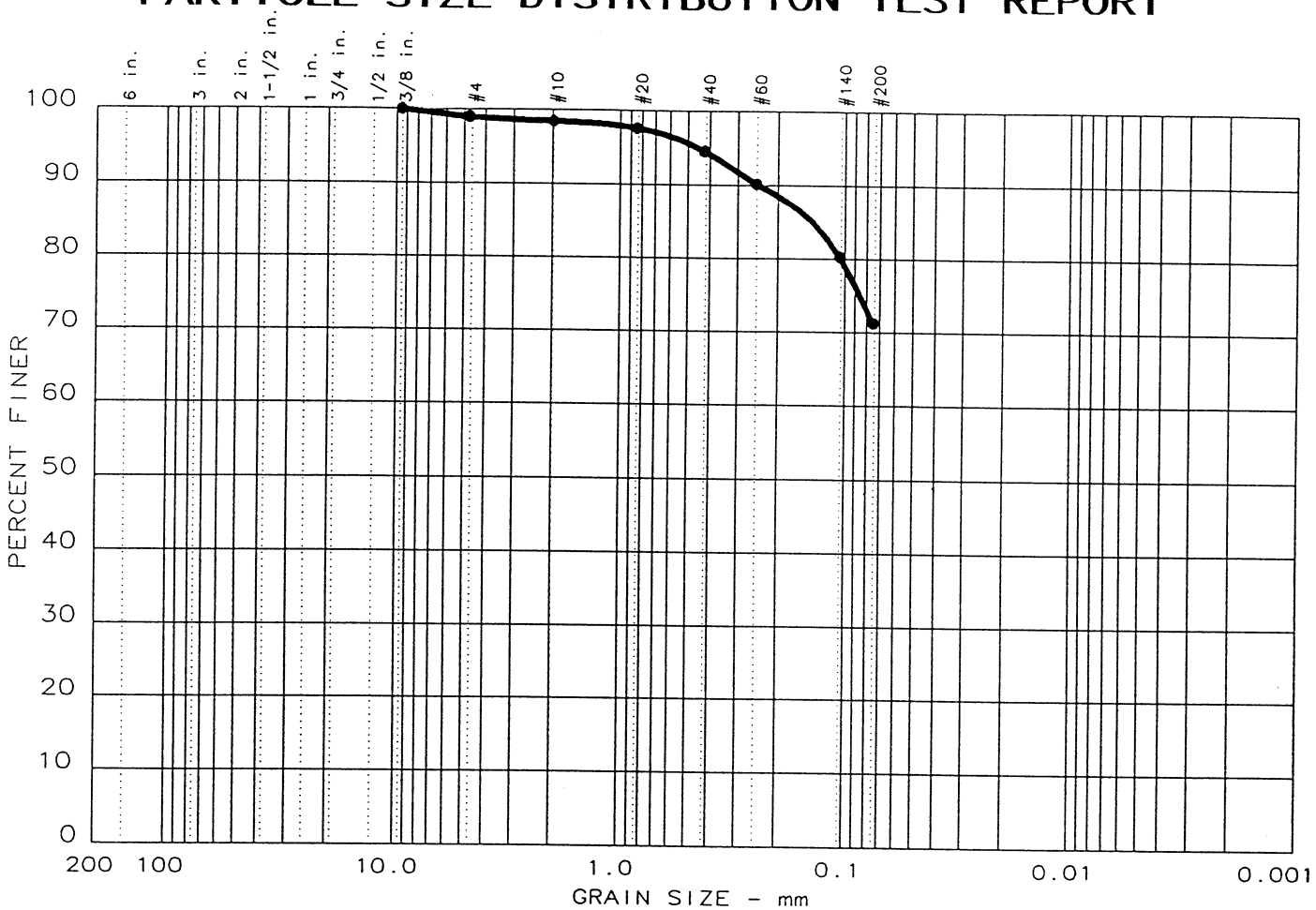
LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River
Date: 9-28-95

BBW

Data Sheet No. ____

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	1.0	27.7	71.3		MH	99	39

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
GRAIN SIZE			
D_{60}			
D_{30}			
D_{10}			
COEFFICIENTS			
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	99.0		
10	98.4		
20	97.6		
40	94.6		
60	90.2		
140	80.3		
200	71.3		

Sample information:

● Station: E-MR-95-4
Brown Sandy SILT
w/ shell

Remarks:
PPB Sample No. 122829

LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River

BBW

Date: 9-28-95

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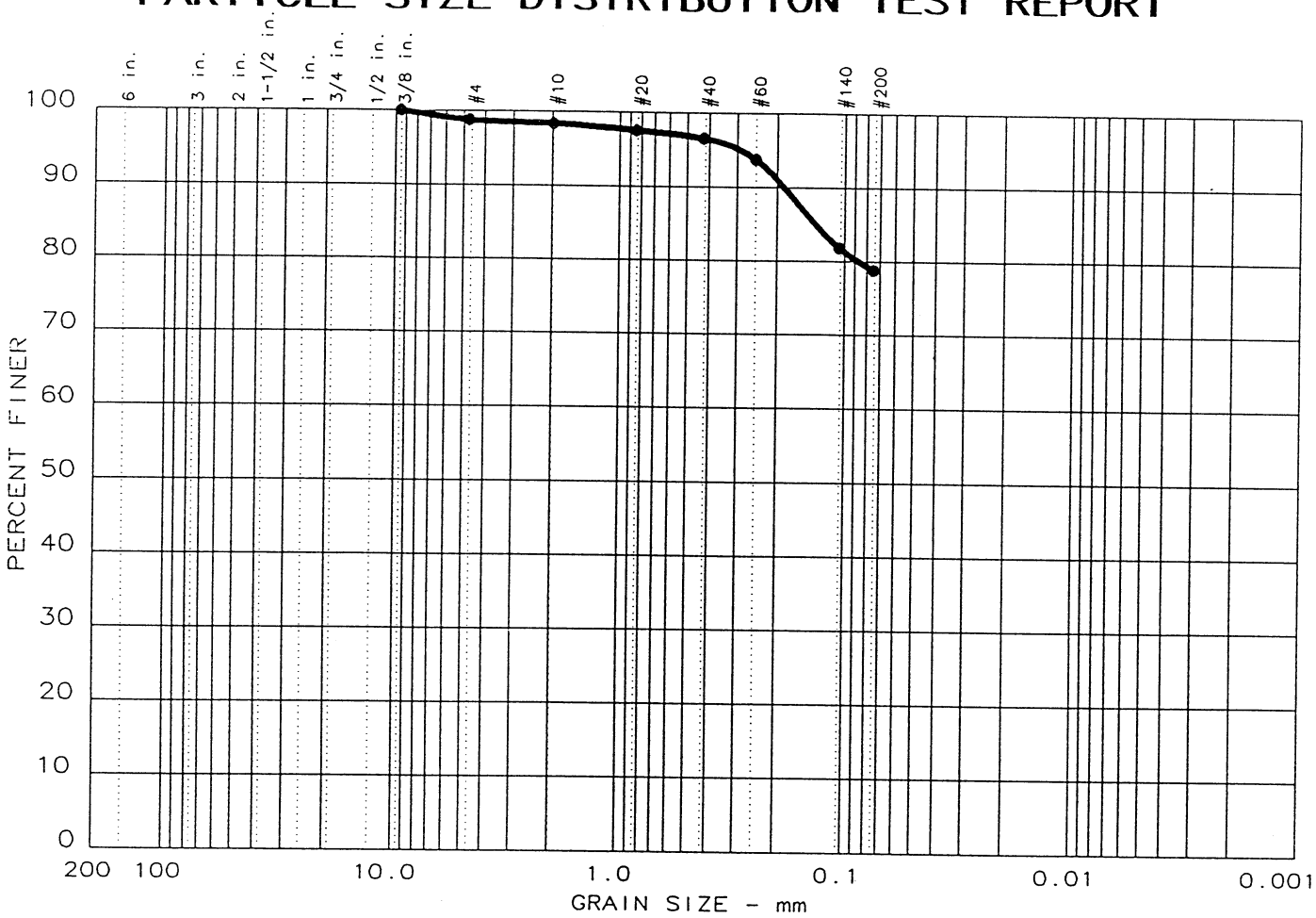
PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	1.2	20.0	78.8		MH	101	48

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
	GRAIN SIZE		
D_{60}			
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	98.8		
10	98.4		
20	97.5		
40	96.5		
60	93.8		
140	81.8		
200	78.8		

Sample information:

● Station: E-MR-95-5
Grey-Brown Sandy SILT
w/shell

Remarks:
PPB Sample No. 122973

LAW ENGINEERING

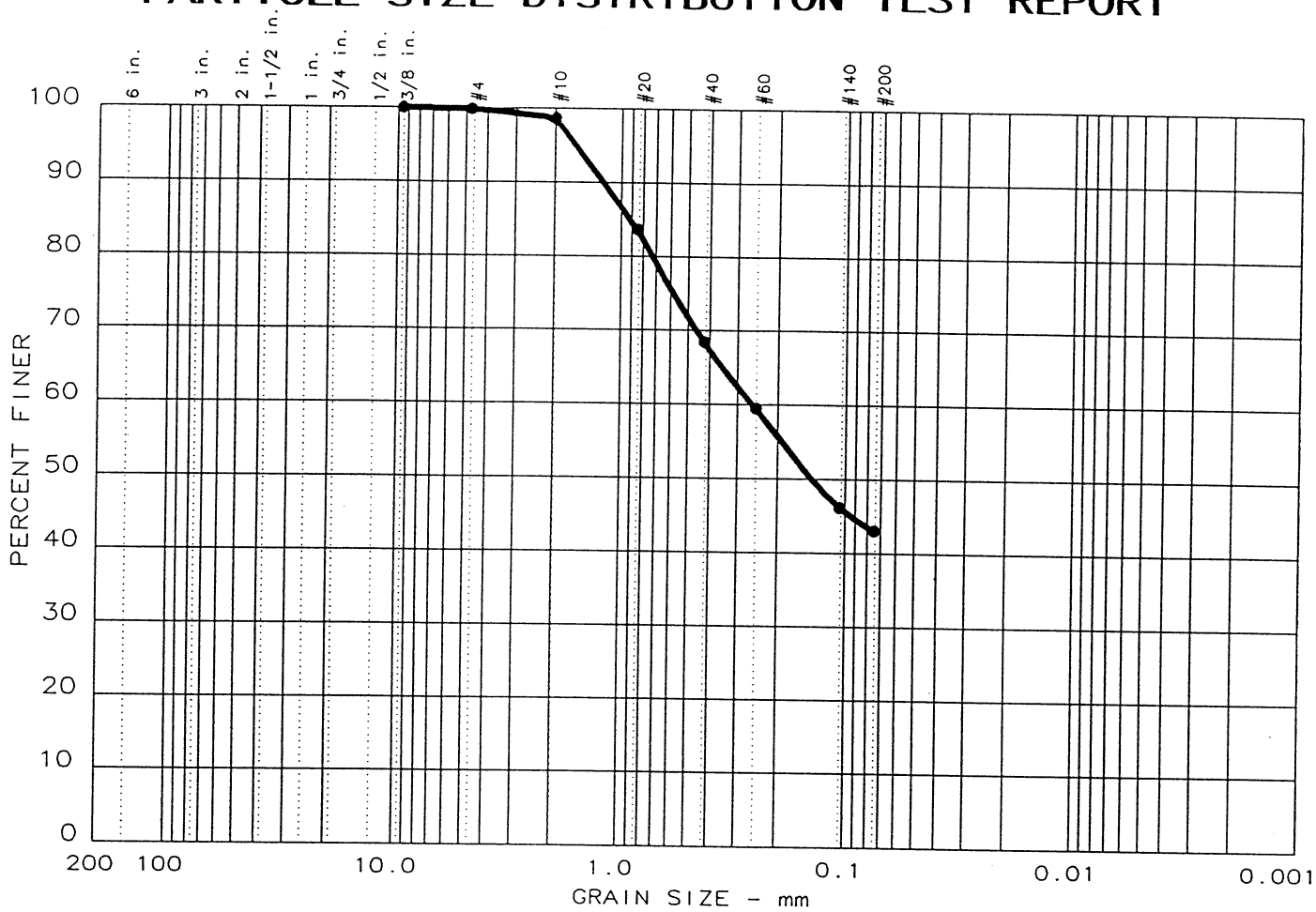
Project No.: 446-01484-01
Project: COE Miami River

BBW

Date: 9-28-95

Data Sheet No. ——

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.1	56.8	43.1		SM	84	32

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
GRAIN SIZE			
D_{60}	0.26		
D_{30}			
D_{10}			
COEFFICIENTS			
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	99.9		
10	98.7		
20	83.6		
40	68.5		
60	59.5		
140	46.2		
200	43.1		

Sample information:

● Station: E-MR-95-6
Grey-Brown Very Silty
Fine SAND w/shell

Remarks:
PPB Sample No. 122970

LAW ENGINEERING

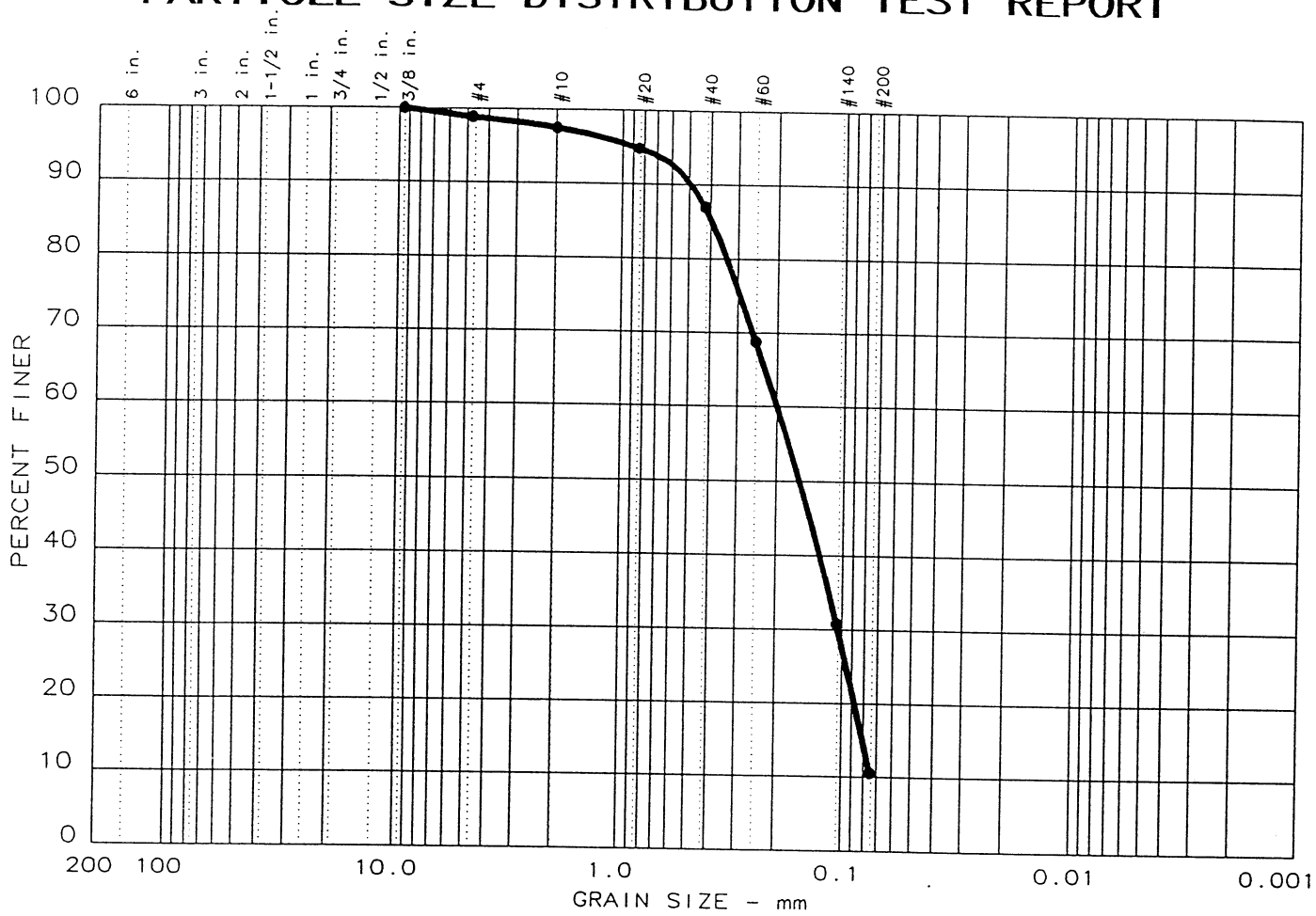
Project No.: 446-01484-01
Project: COE Miami River

Date: 9-28-95

BBW

Data Sheet No. ____

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	1.1	88.3	10.6		SP-SM	NP	NP

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
	GRAIN SIZE		
D_{60}	0.20		
D_{30}	0.10		
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	98.9		
10	97.5		
20	94.8		
40	87.0		
60	68.8		
140	30.8		
200	10.6		

Sample information:

● Station: E-MR-95-H
Light Grey Slightly
Silty Fine SAND w/shell

Remarks:
PPB Sample No. 122816

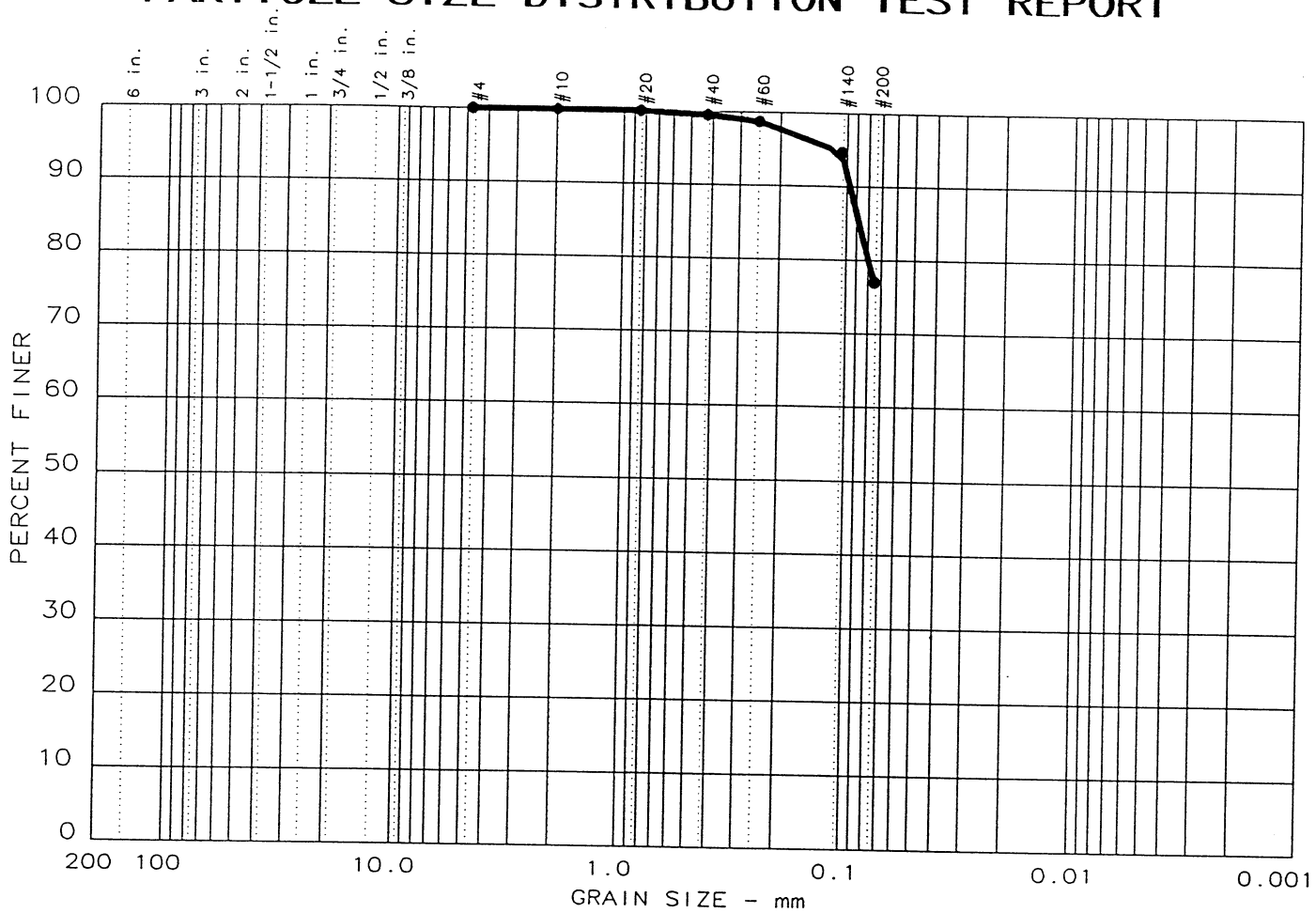
LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River
Date: 9-28-95

BBW

Data Sheet No. ____

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	23.0	77.0		MH	60	13

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}			
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	100.0		
20	100.0		
40	99.5		
60	98.7		
140	94.6		
200	77.0		

Sample information:

● Station: RS-MR-95
Light Yellow Sandy
SILT w/ shell

Remarks:
PPB Sample No. 122820

LAW ENGINEERING

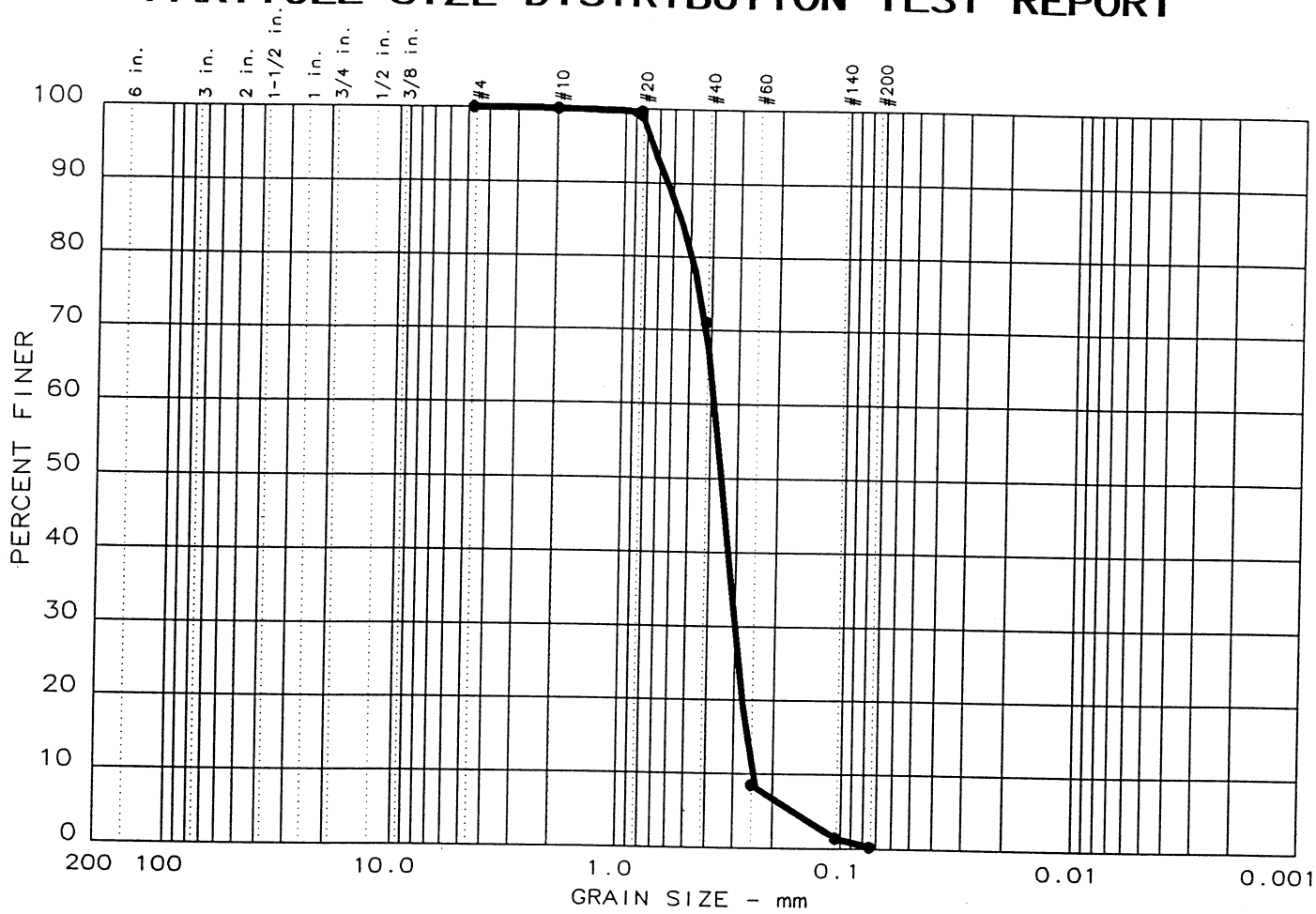
Project No.: 446-01484-01
Project: COE Miami River

Date: 9-28-95

BBW

Data Sheet No. ____

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	99.8	0.2		SP	NP	NP

SIEVE inches size	PERCENT FINER ●		

	GRAIN SIZE		
D_{60}	0.39		
D_{30}	0.30		
D_{10}	0.25		

	COEFFICIENTS		
C_c	0.92		
C_u	1.5		

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	99.9		
20	99.6		
40	71.1		
60	8.5		
140	1.4		
200	0.2		

Sample information:
● Station: Control-A
Tan Fine SAND

Remarks:
PPB Sample No. 123199

LAW ENGINEERING

Project No.: 446-01484-01
Project: COE Miami River
CLIENT: PPB Environmental
Date: 10-9-95

Bryant B. Wildes

REVIEWED BY: Bryant B. Wildes
Chief Engineering Technician

EXCERPTS FROM

FINAL REPORT FOR
MIAMI RIVER HYDROCYCLONE PROJECT

CONTRACT #DACW17-97-D-001
DELIVERY ORDER 0003

JUNE 12, 1997