

BEAUFORT SEA

BANKS
ISLAND

VICTORIA
ISLAND

DEPARTMENT OF PUBLIC WORKS MACKENZIE HIGHWAY MILE 346 - 450 GEOTECHNICAL INVESTIGATION

MACKENZIE
BAY

Inuvik

NORTHWEST TERRITORIES

Great
Bear
Lake

Norman Wells

NORTHERN ENVIRONMENTAL
REFERENCE COLLECTION
PROTECTION BRANCH

Yellowknife

Great
Slave
Lake

Mile 346

Fort Simpson

Enterprise

YUKON TERRITORY

BRITISH COLUMBIA

ALBERTA



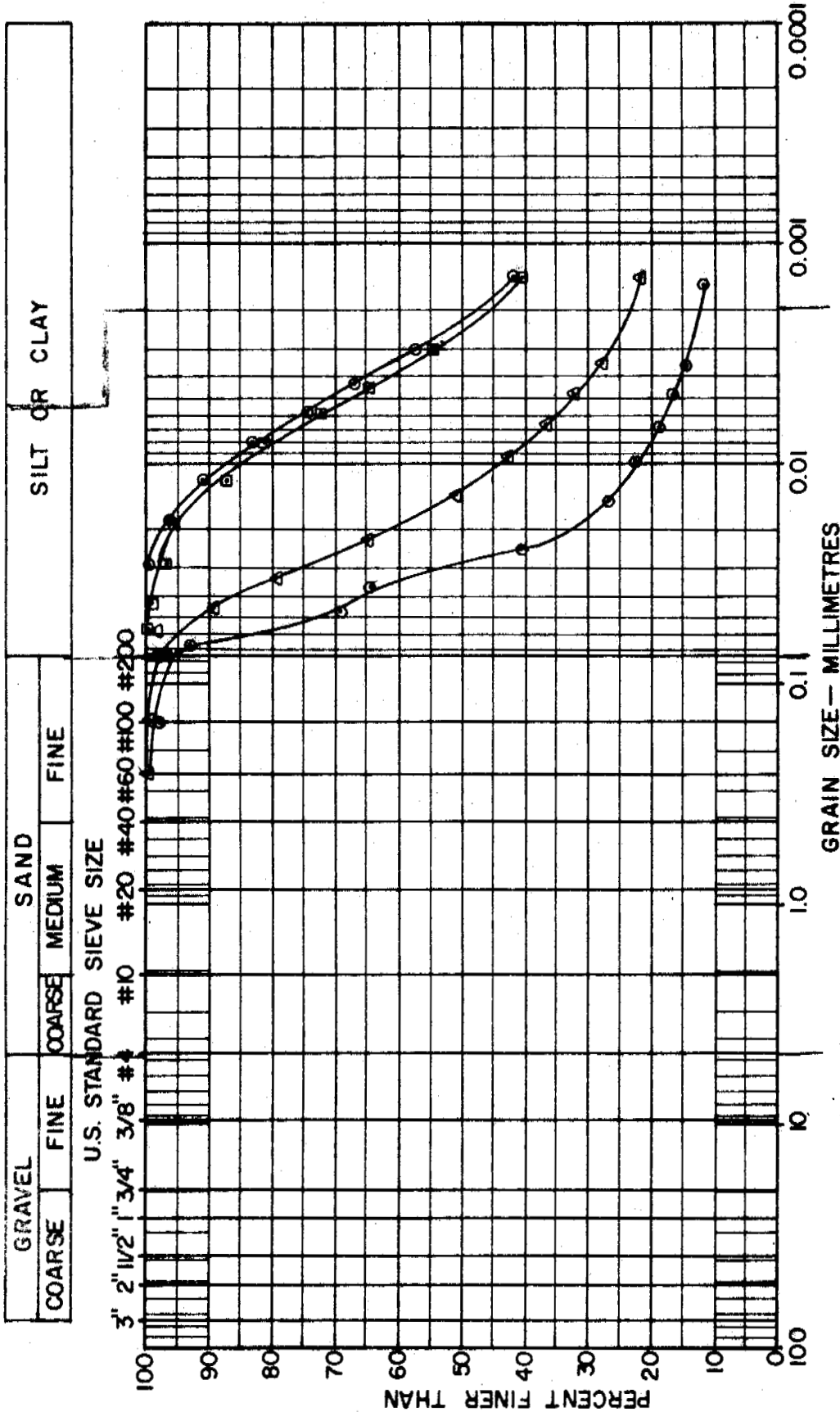
D003274

VOLUME 7

LABORATORY TEST RESULTS

ACRES

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

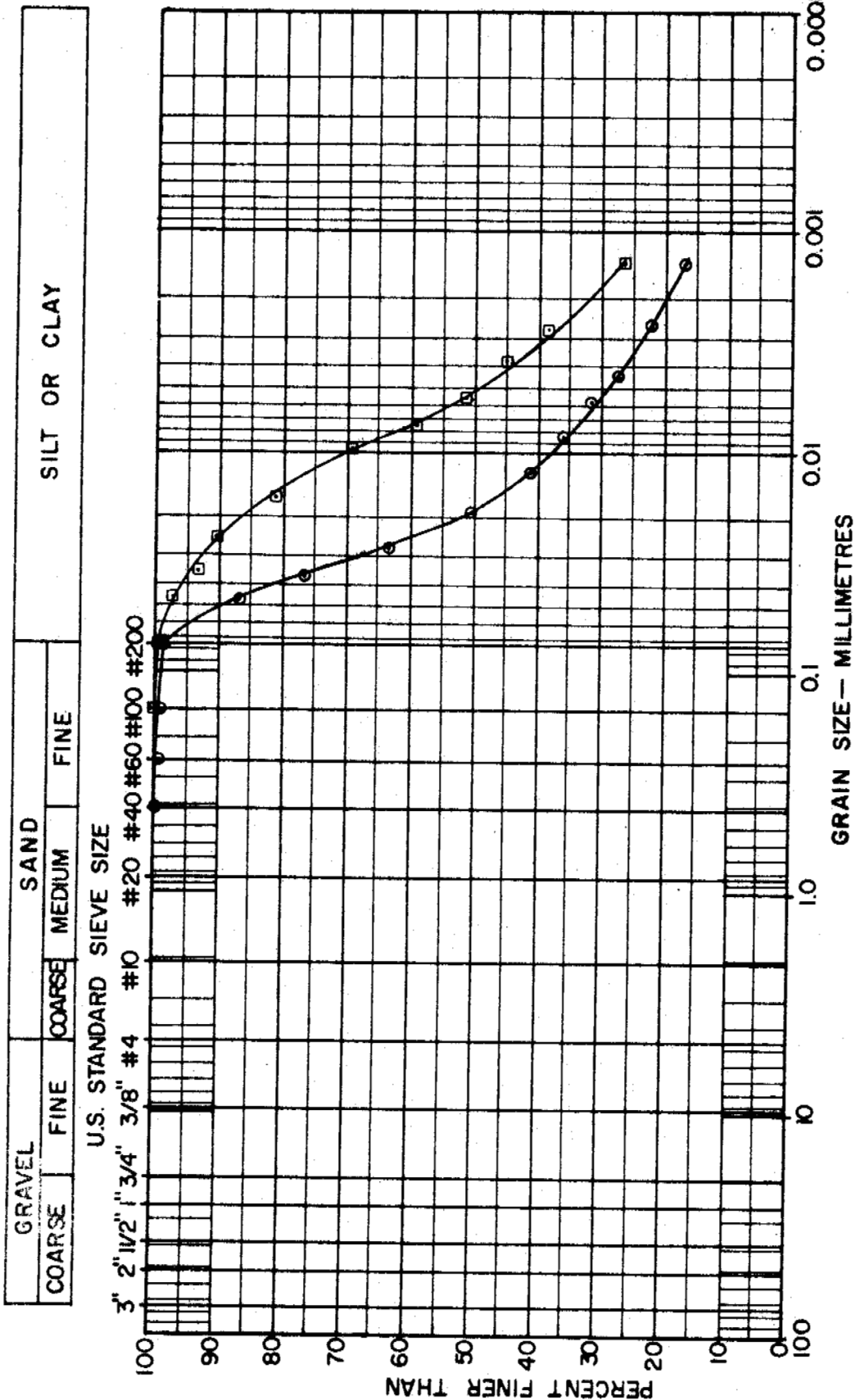
LOCATION 346-S-X

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

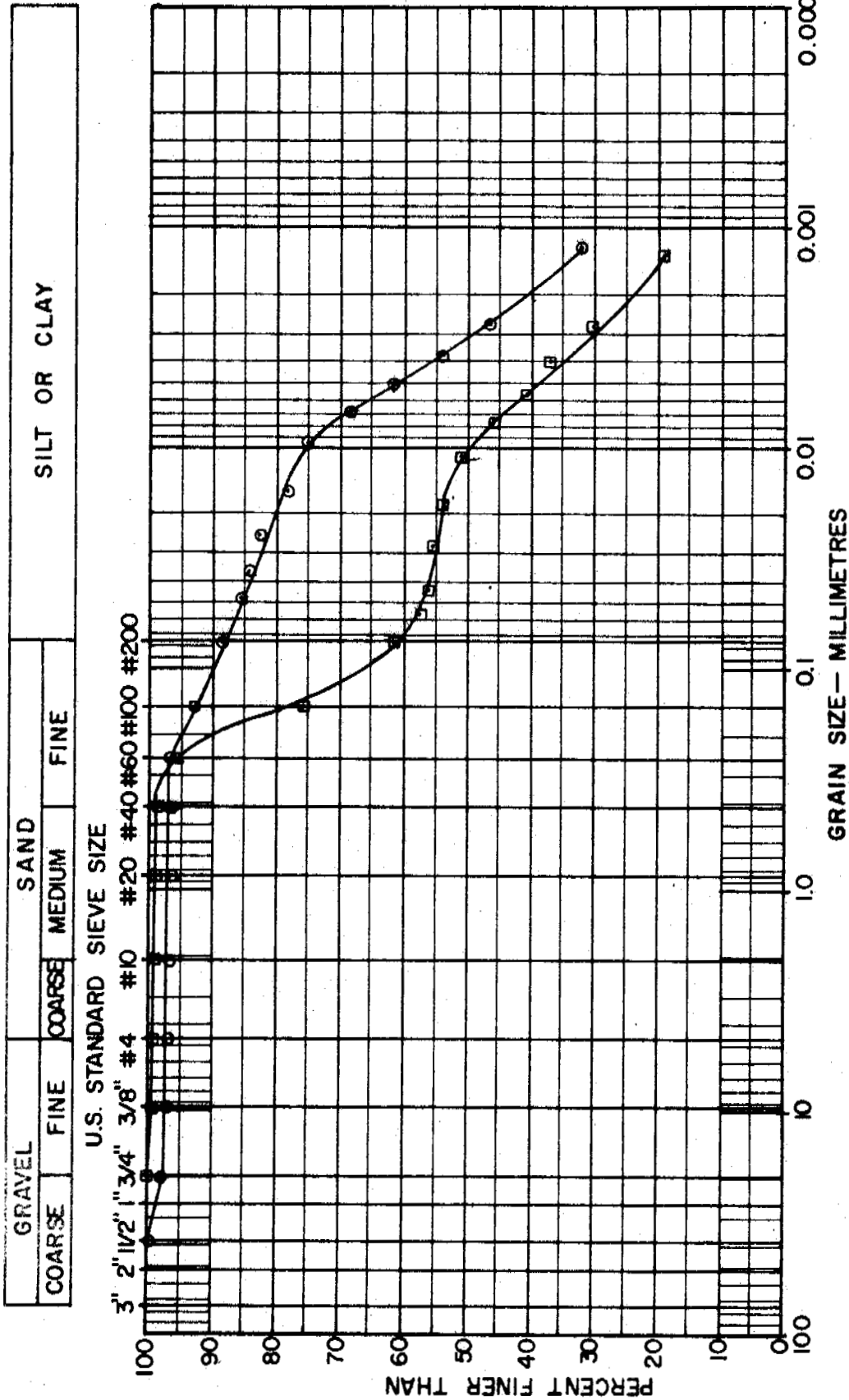
LOCATION 346-S-X

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 2A - 20 - 21 1/2 ft.

☐ Sample No. 3 - 30 - 31 1/2 ft.



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PROJECT

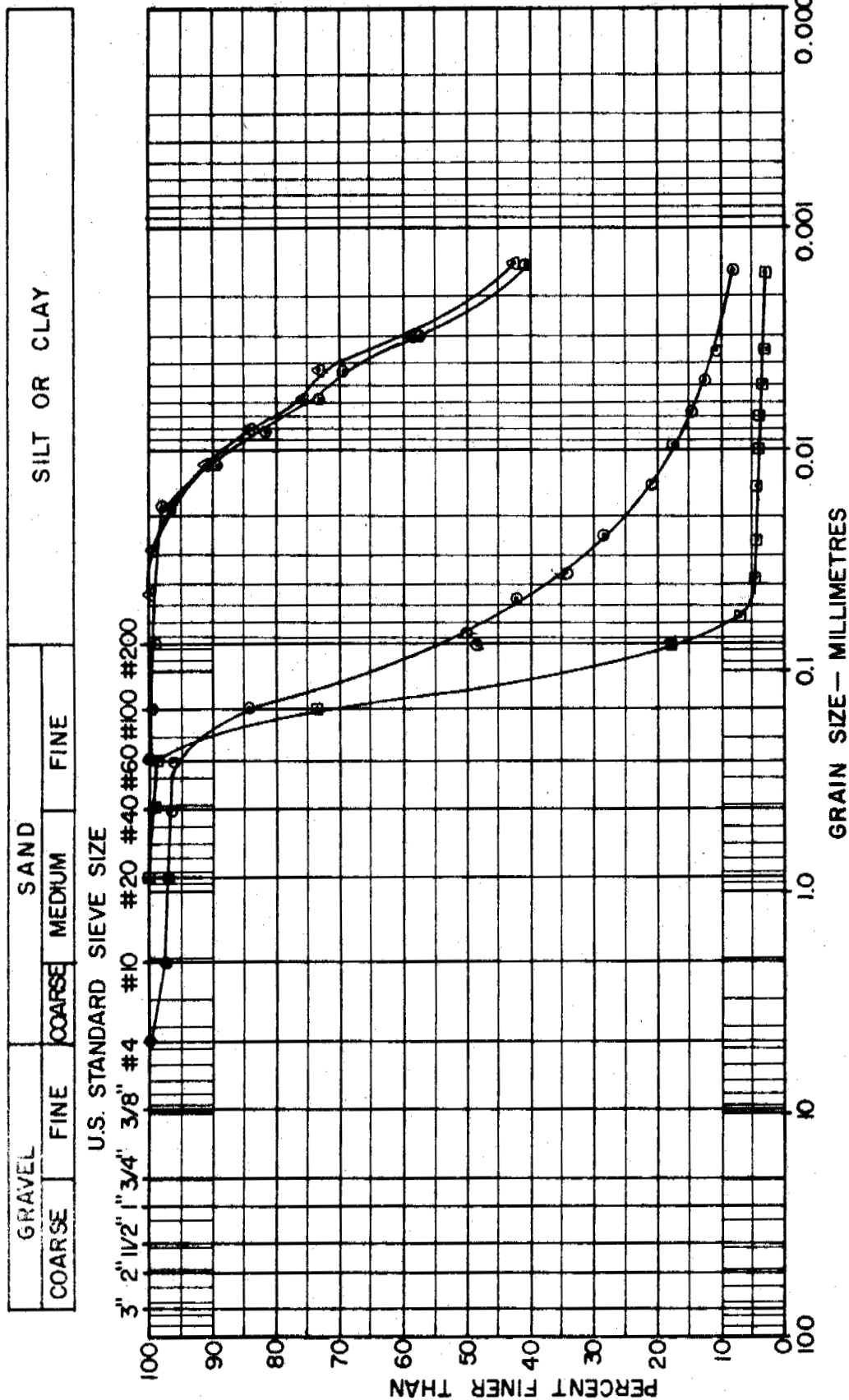
LOCATION 346-S-Y

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 4 - 18 1/2 ft.

○ Sample No. 5 - 20 ft.



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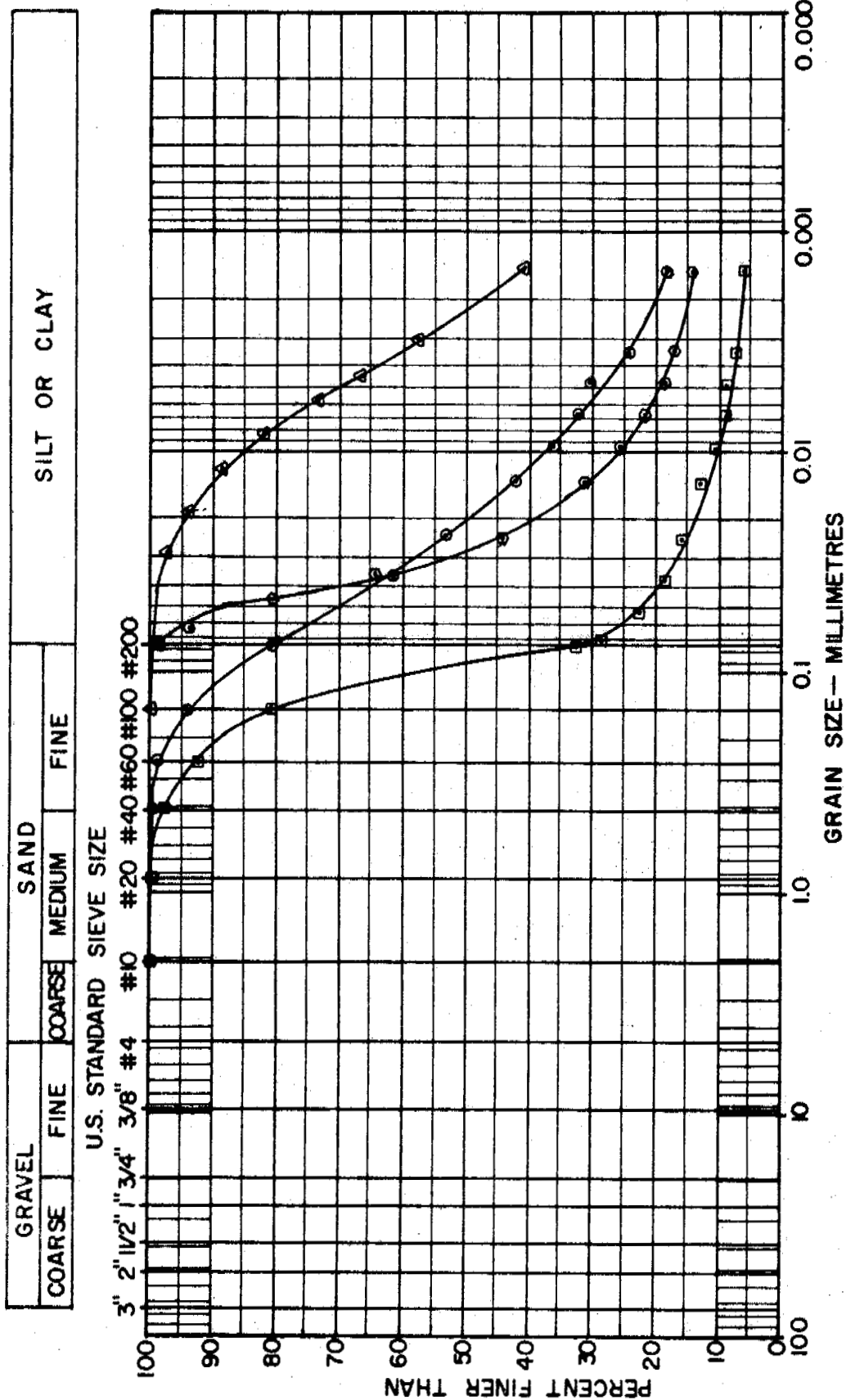
LOCATION 347-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 3 - 10 ft.

△ Sample No. 5 - 15 ft.

○ Sample No. 10 - 35 ft.



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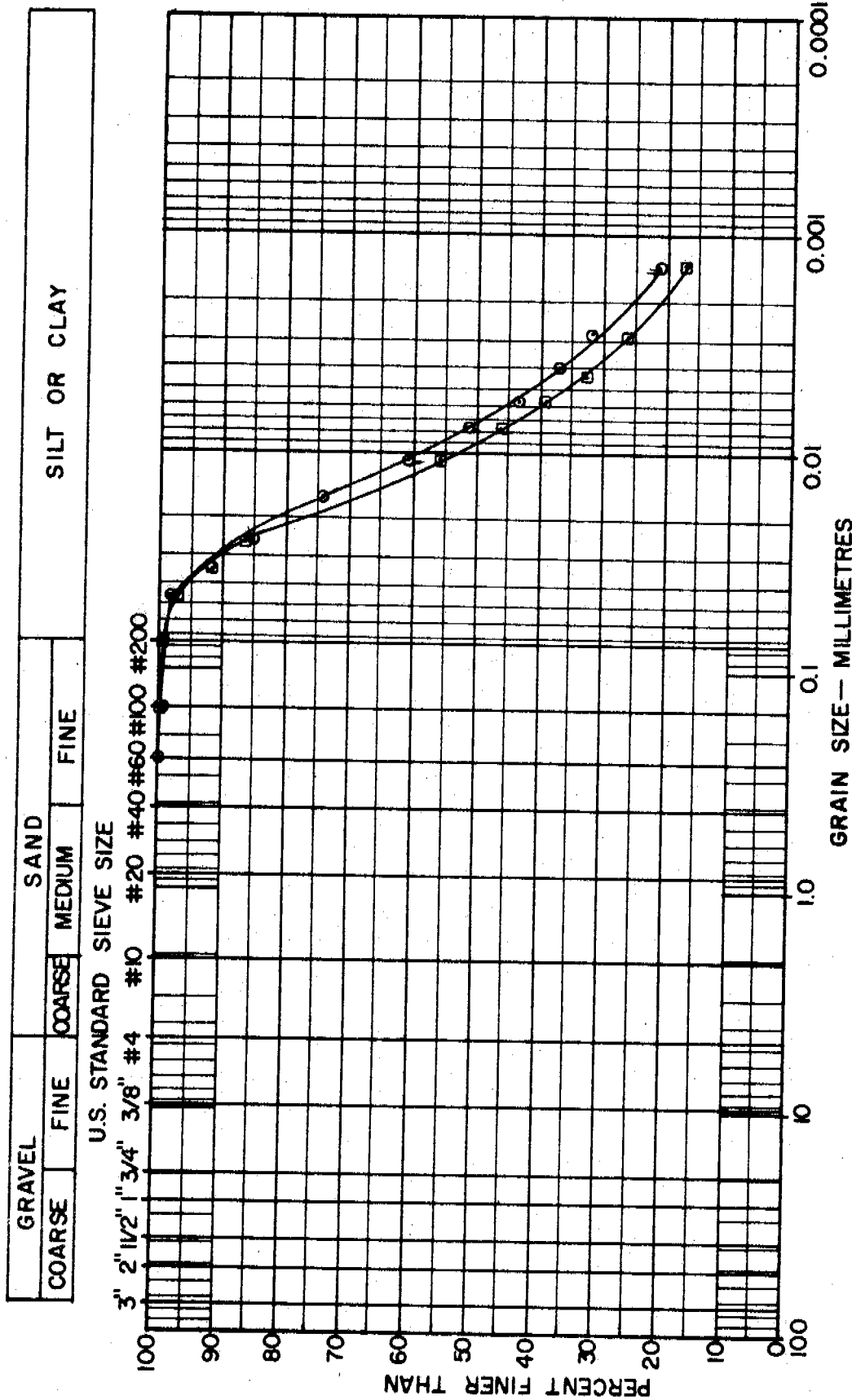
LOCATION 347-S-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 6 - 17 ft.

☐ Sample No. 9 - 27 ft.



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LOCATION 347-S-G

HOLE No.

DEPTH

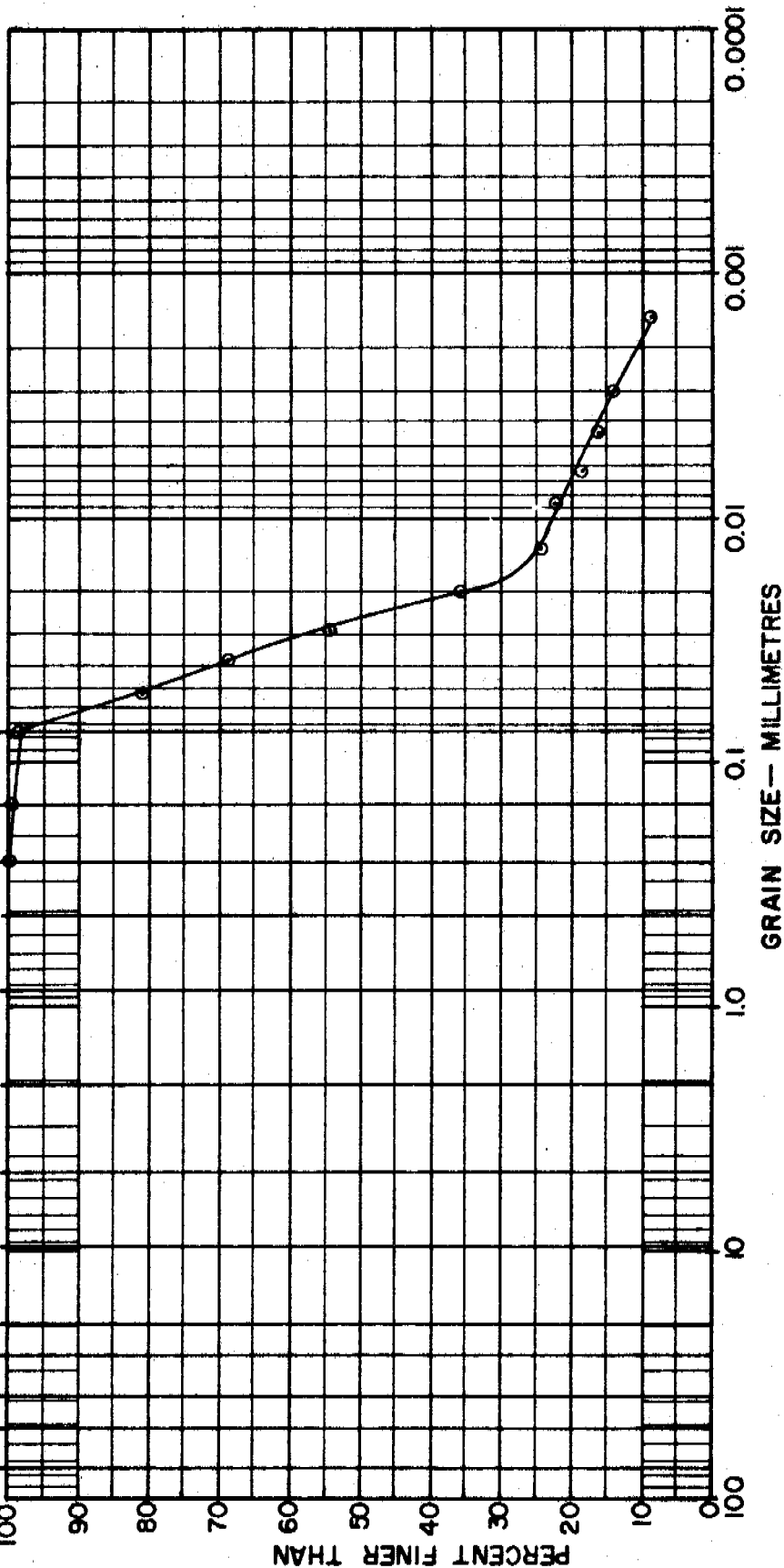
DATE

GRAIN SIZE CURVE

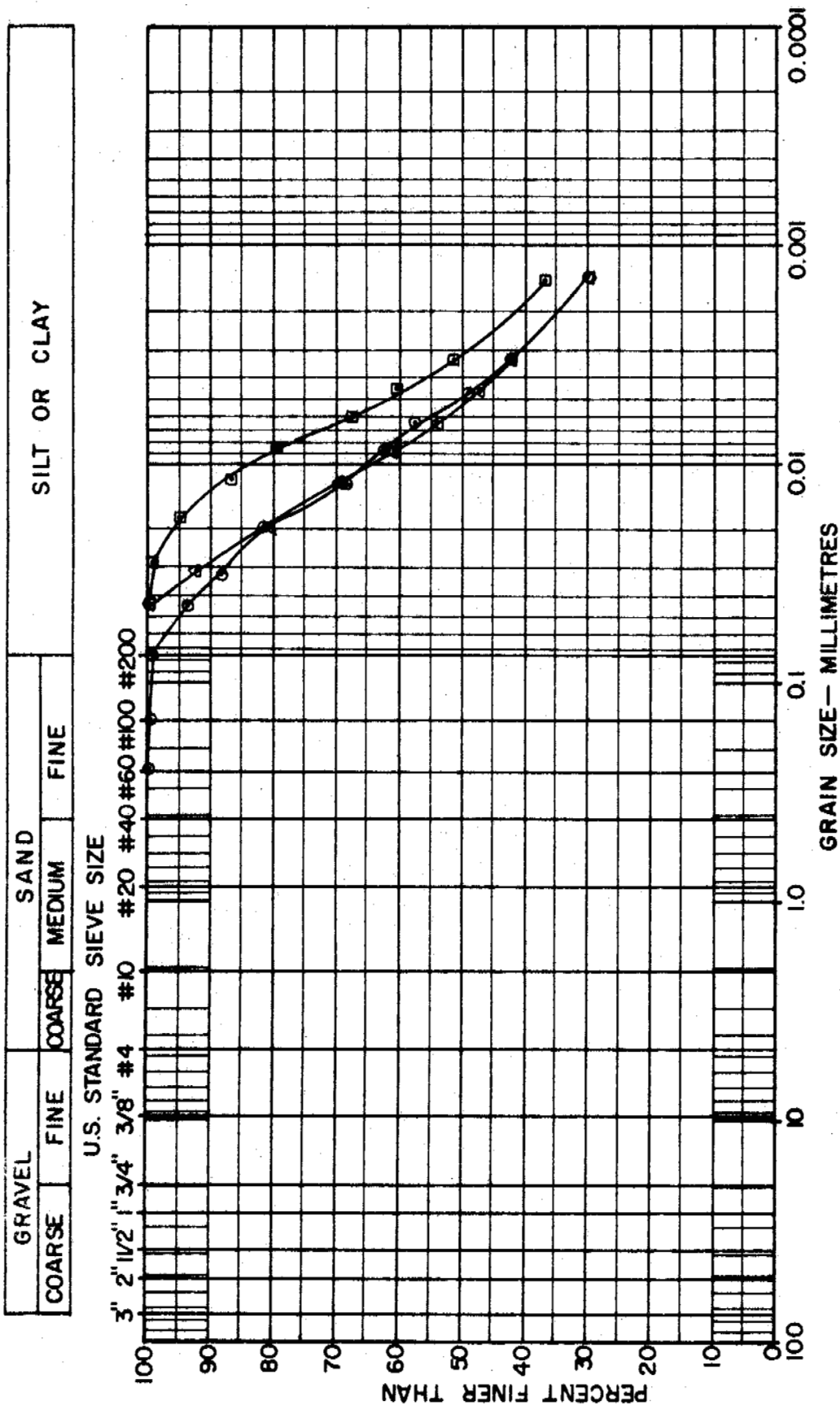
GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 1" 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



GRAIN SIZE CURVE



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JOB No. AL0307

PROJECT

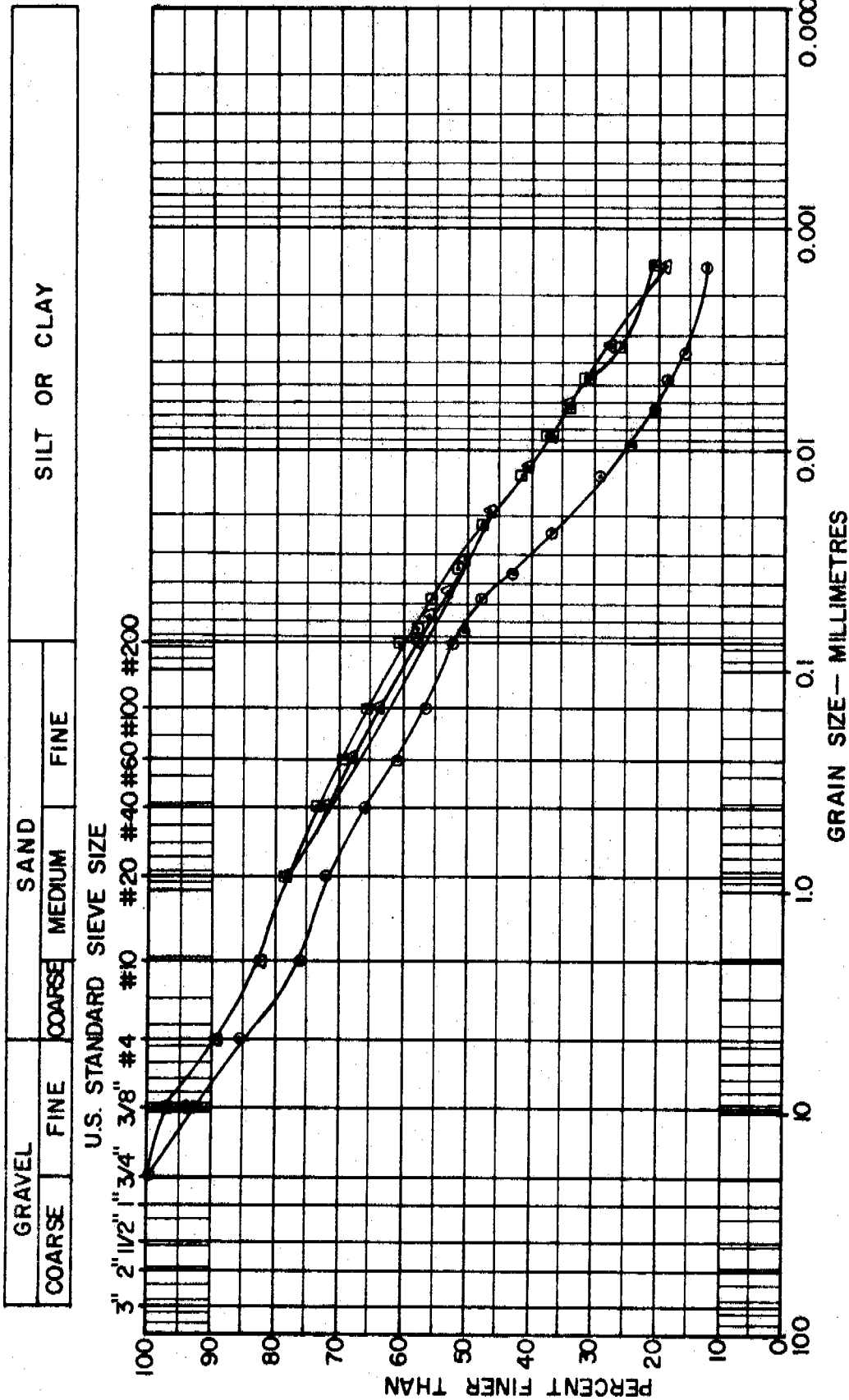
LOCATION 348-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ Sample No. 1 - 5 ft.

$\square$ Sample No. 2 - 10 ft.

Δ Sample No. 3 - 15 ft.



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PROJECT

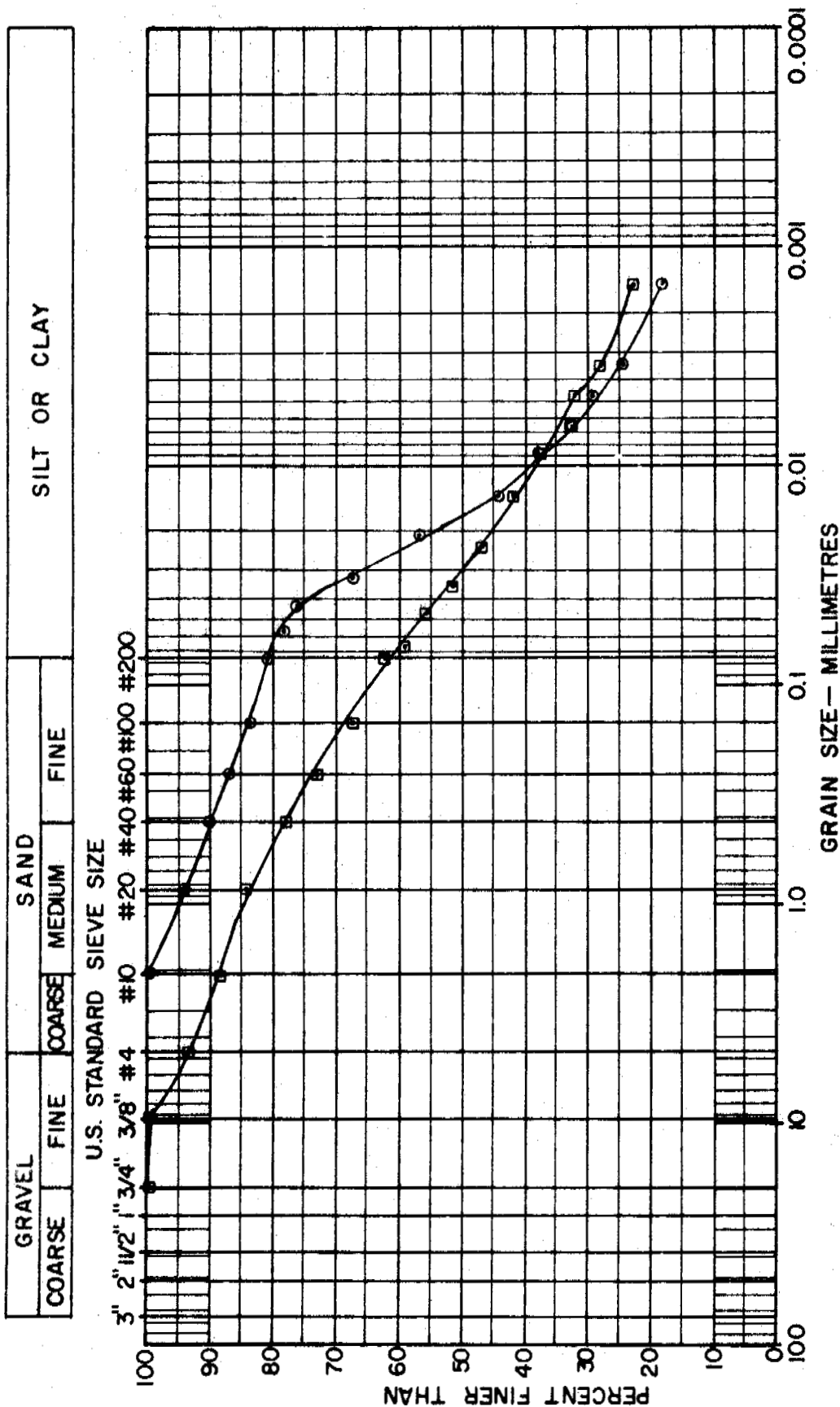
LOCATION 349-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

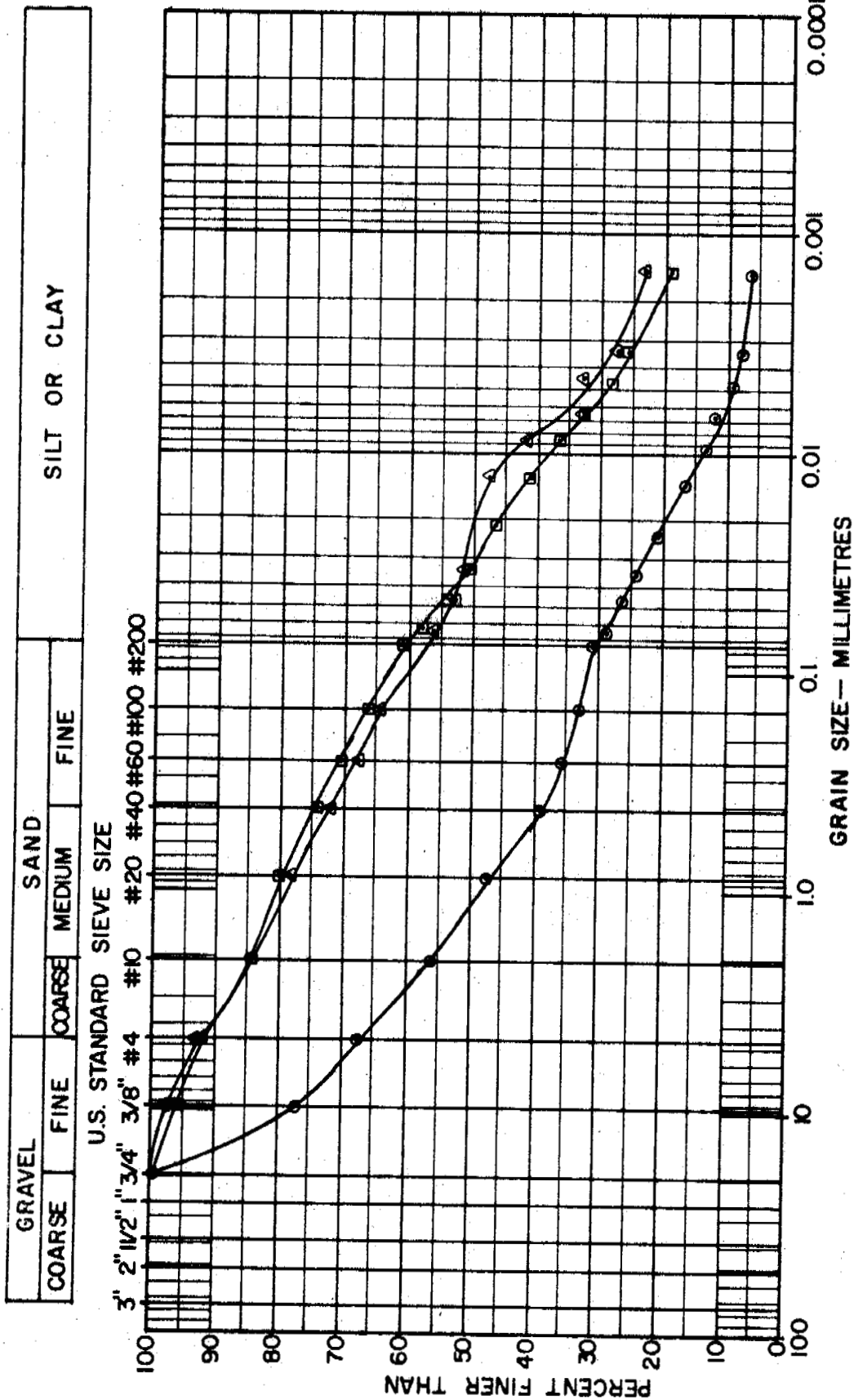
LOCATION 349-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 5 ft.

@ 10 ft.

@ 15 ft.



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JOB No. AL0307

PROJECT

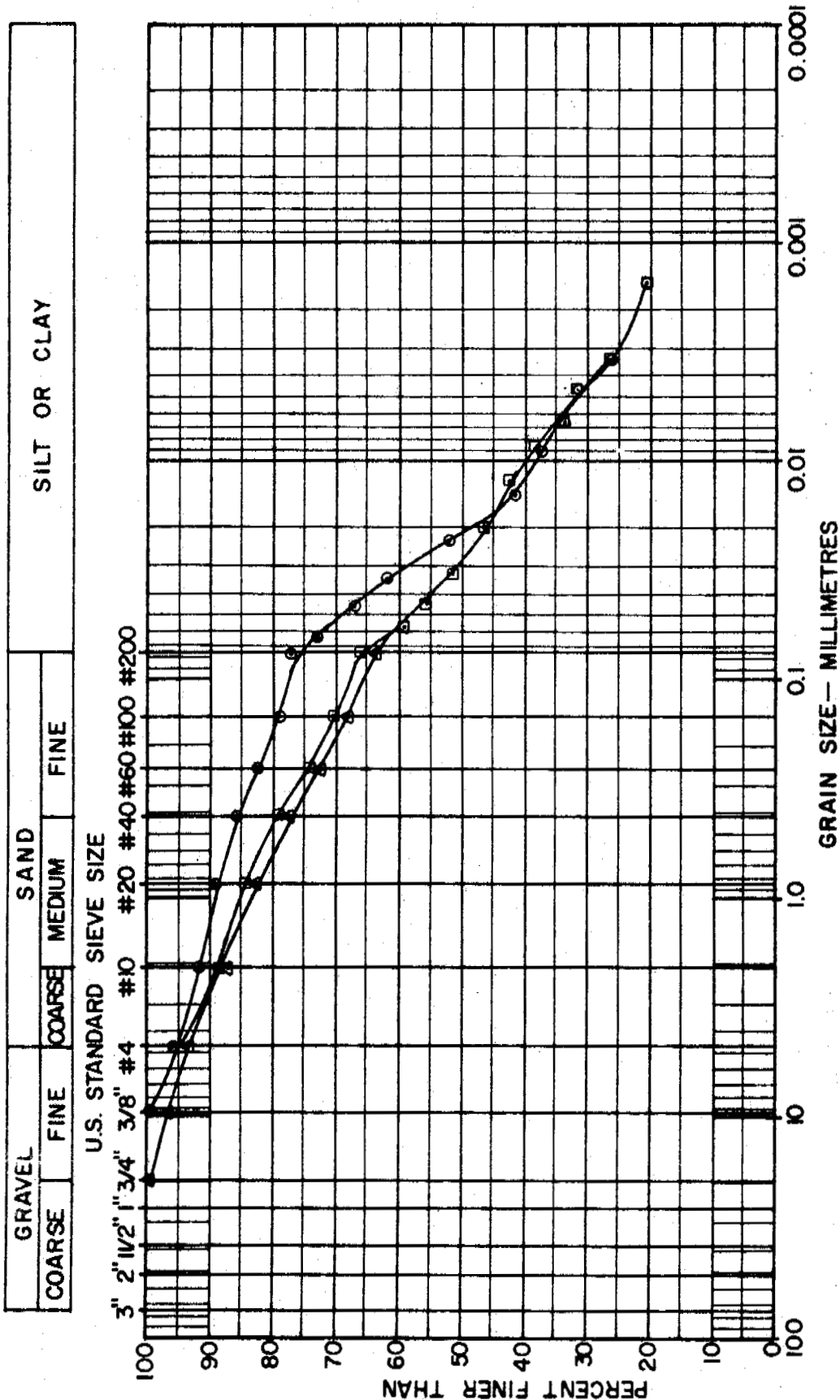
LOCATION 350-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 10 ft.

△ 15 ft.



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PROJECT

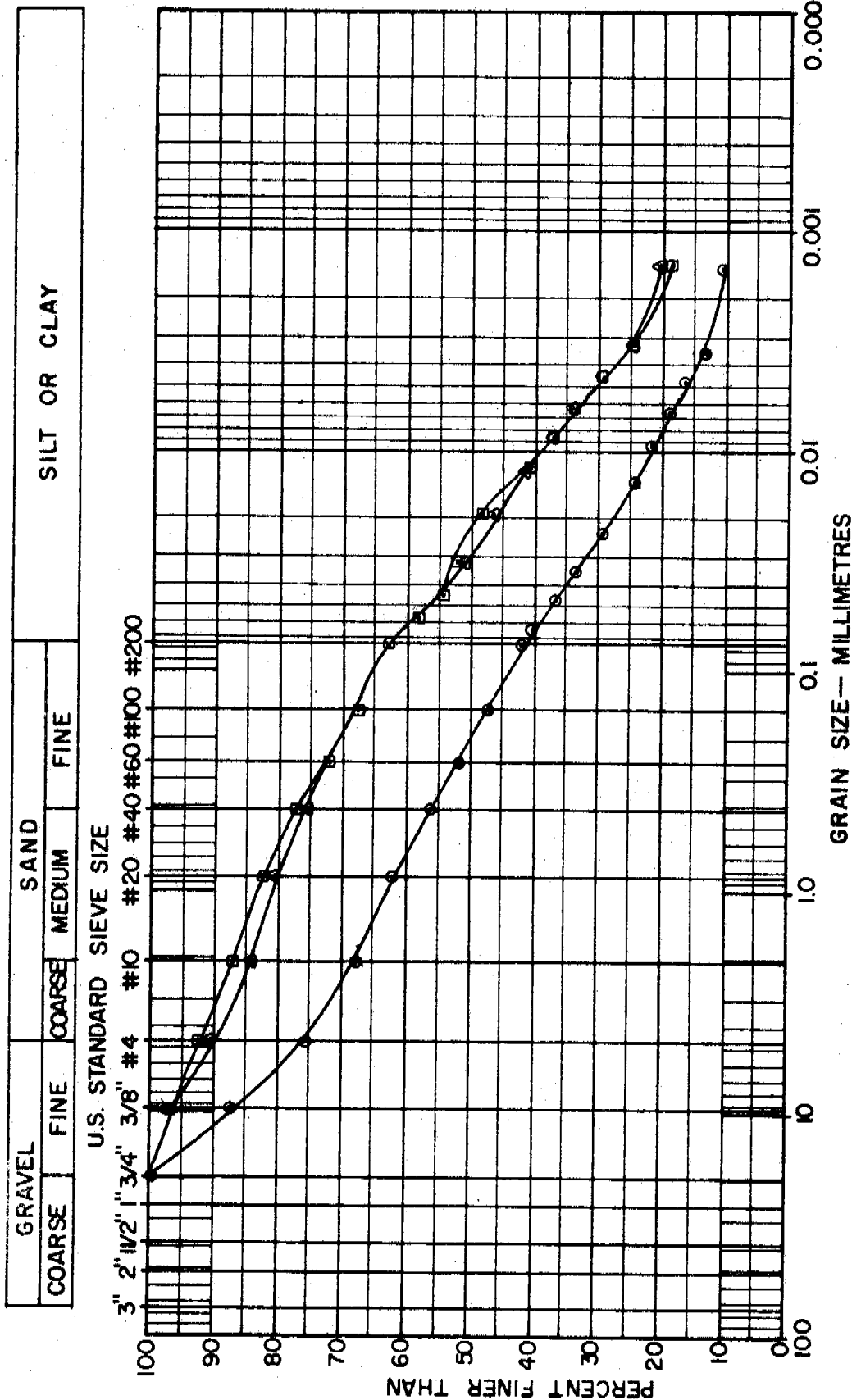
LOCATION 350-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 5 ft.

@ 10 ft.

@ 15 ft.



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JOB No. AL0307

PROJECT

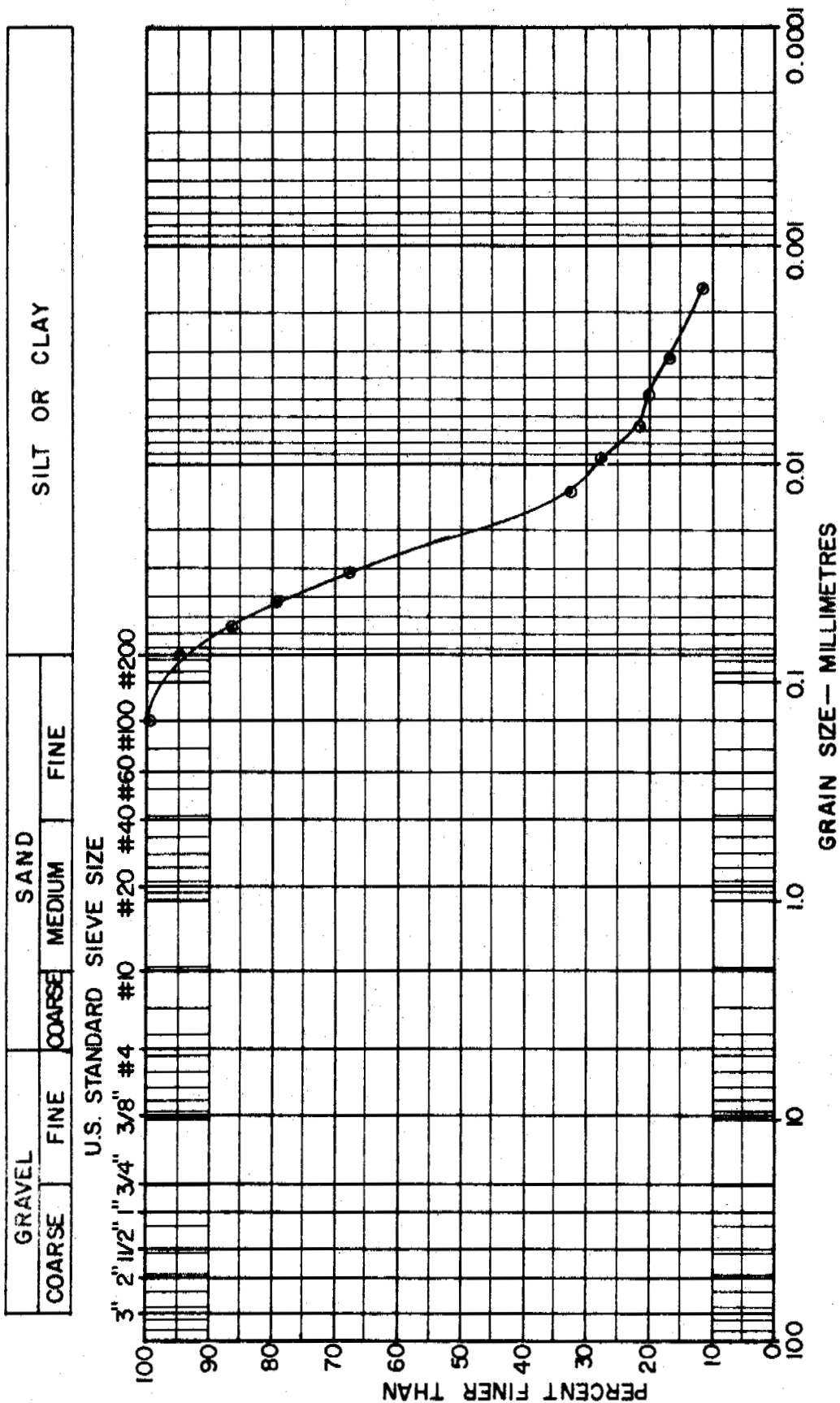
LOCATION 350-C-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 1 - 4 ft.



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JOB No. AL0307

PROJECT

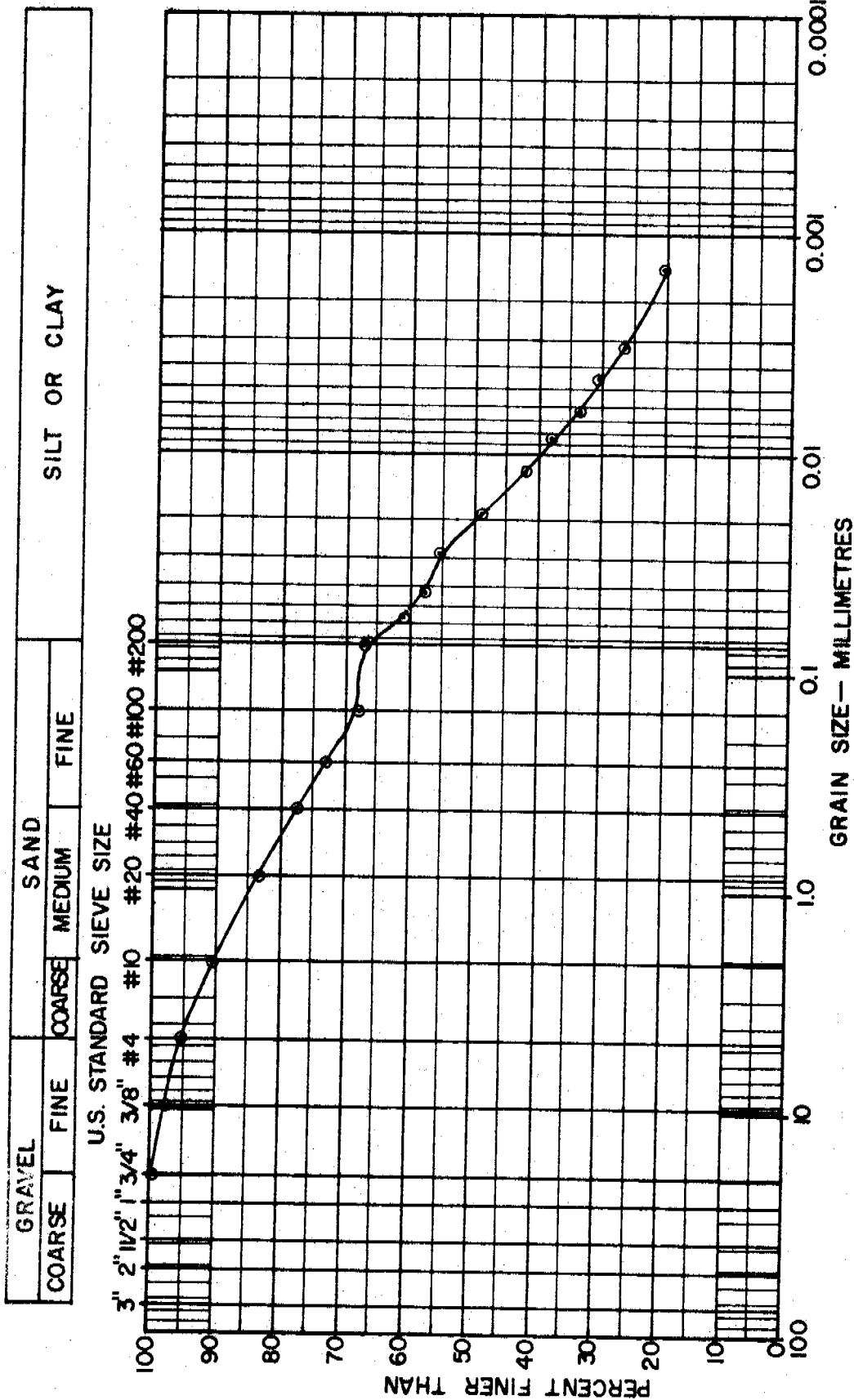
LOCATION 351-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 2 - 10 ft.

JOB No. AL0307

PROJECT

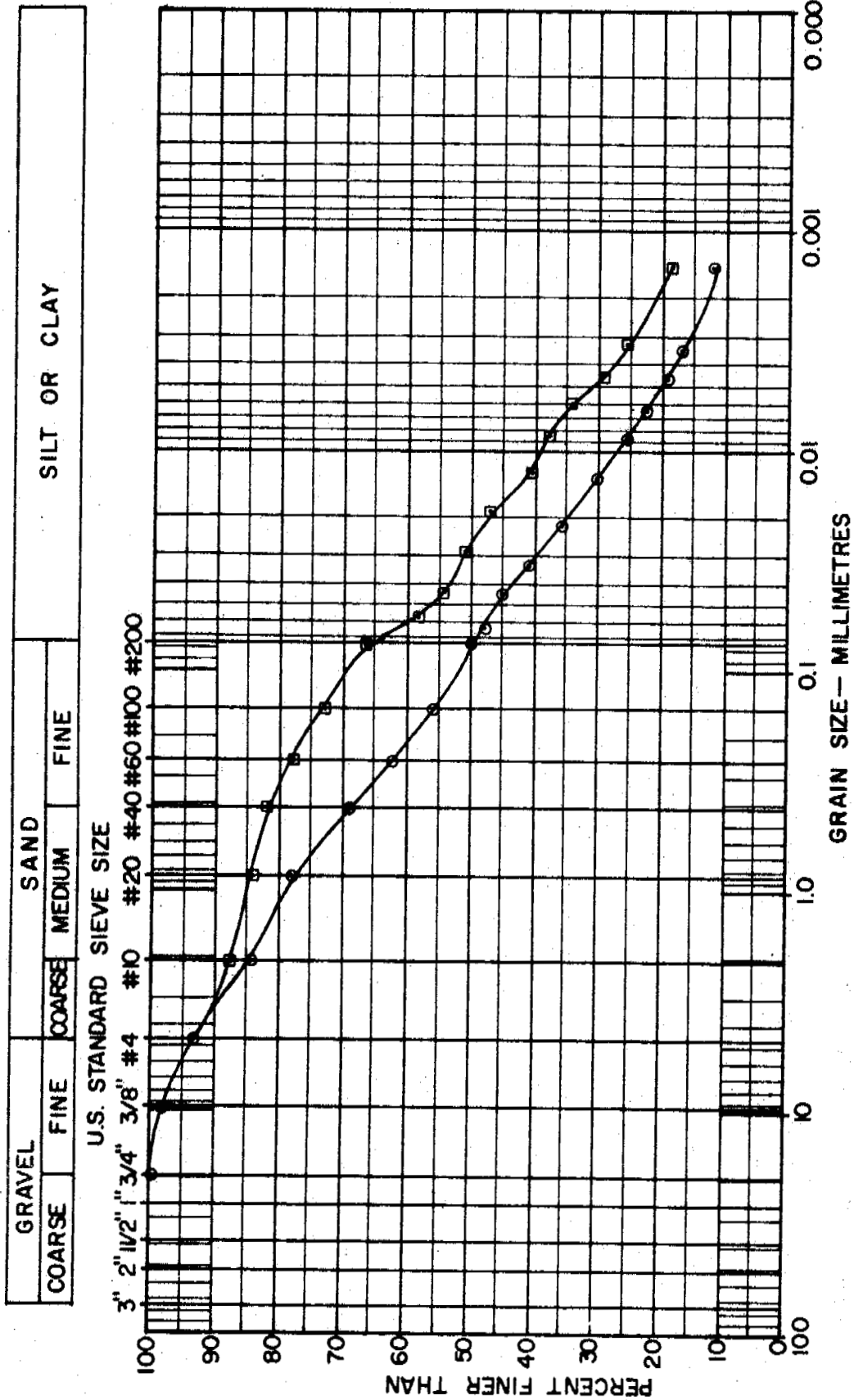
LOCATION 351-C-A

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 15 ft.



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JOB No. AL0307

PROJECT

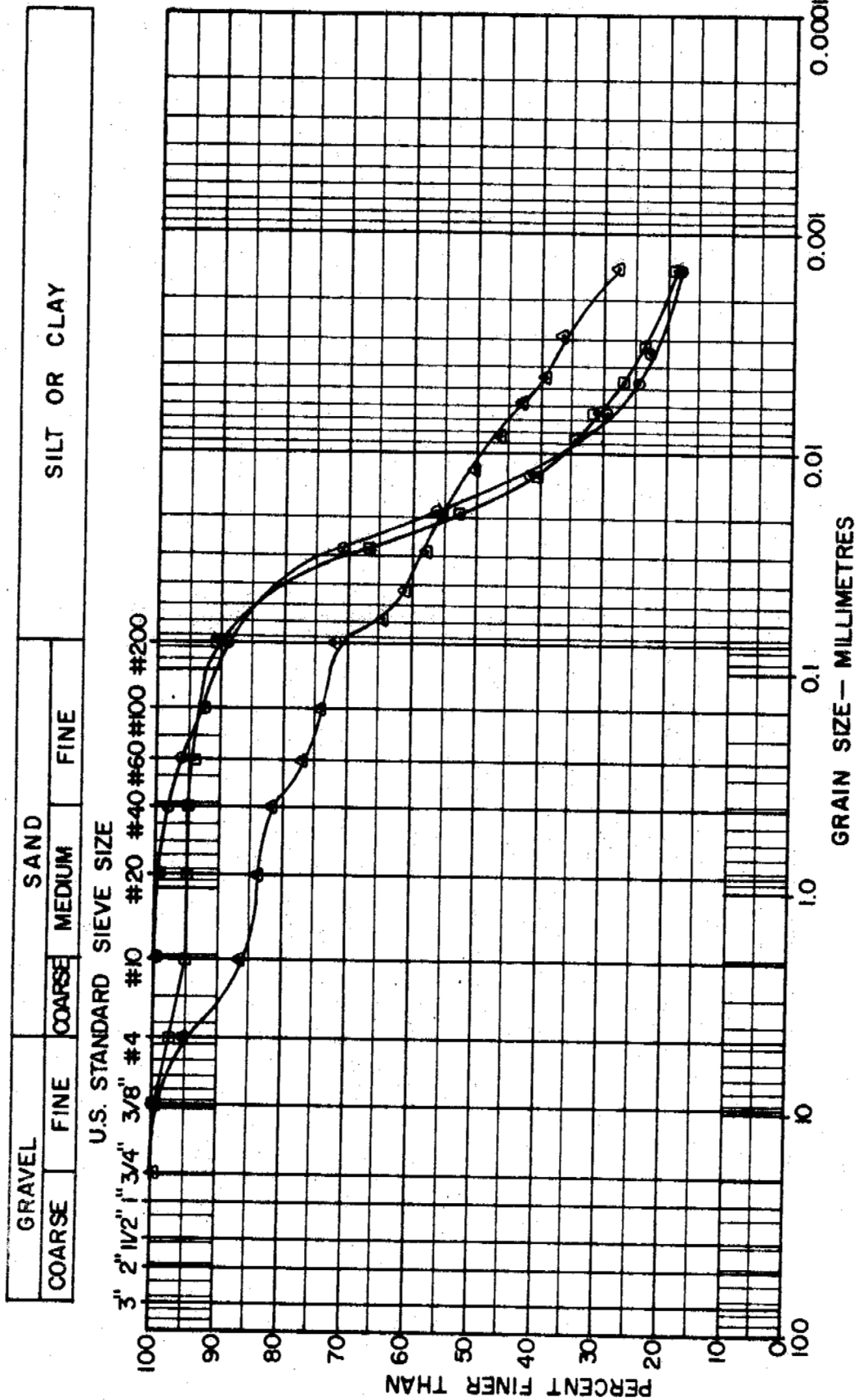
LOCATION 351-C-D

HOLE No.

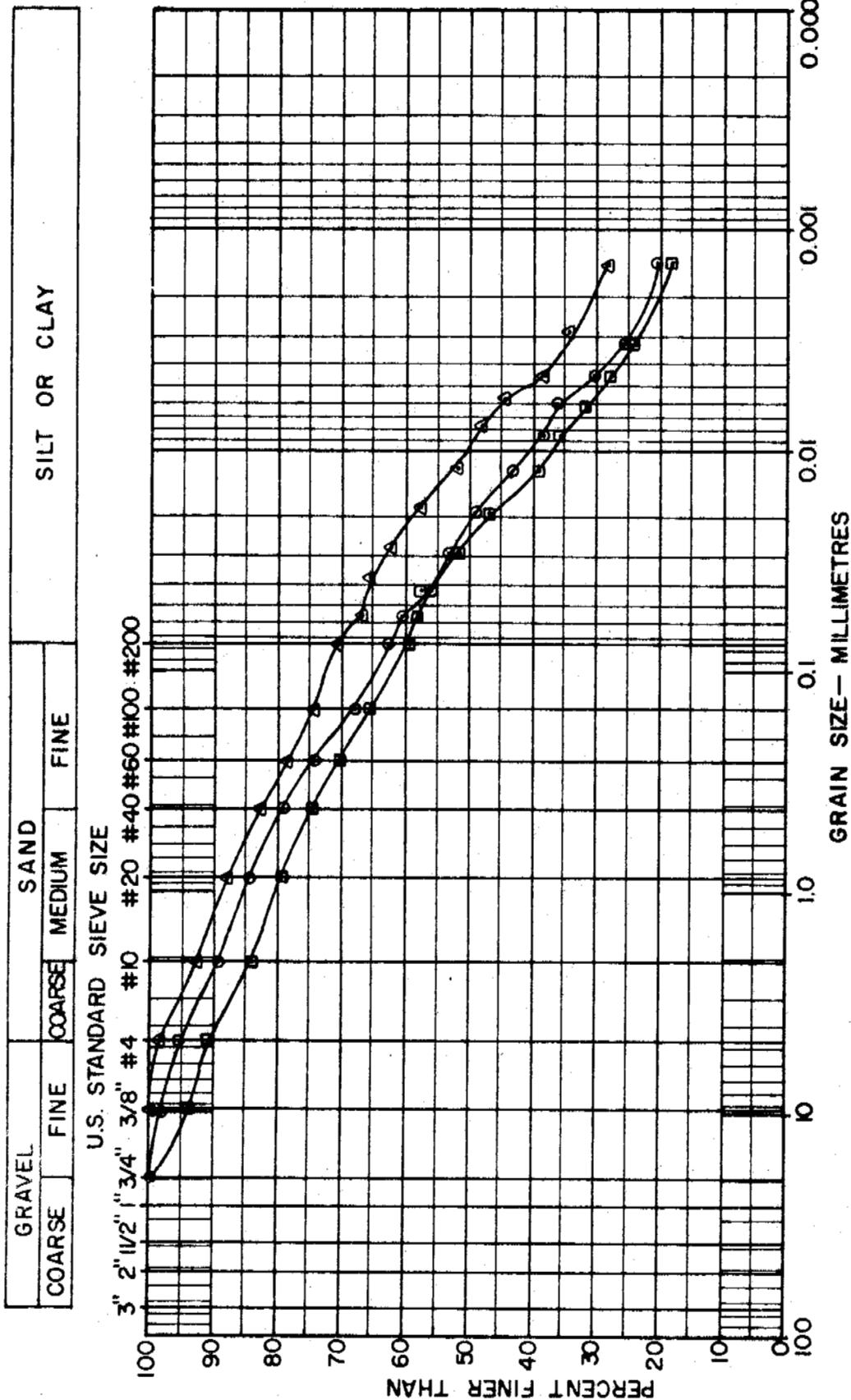
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



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JOB No. AL0307

PROJECT

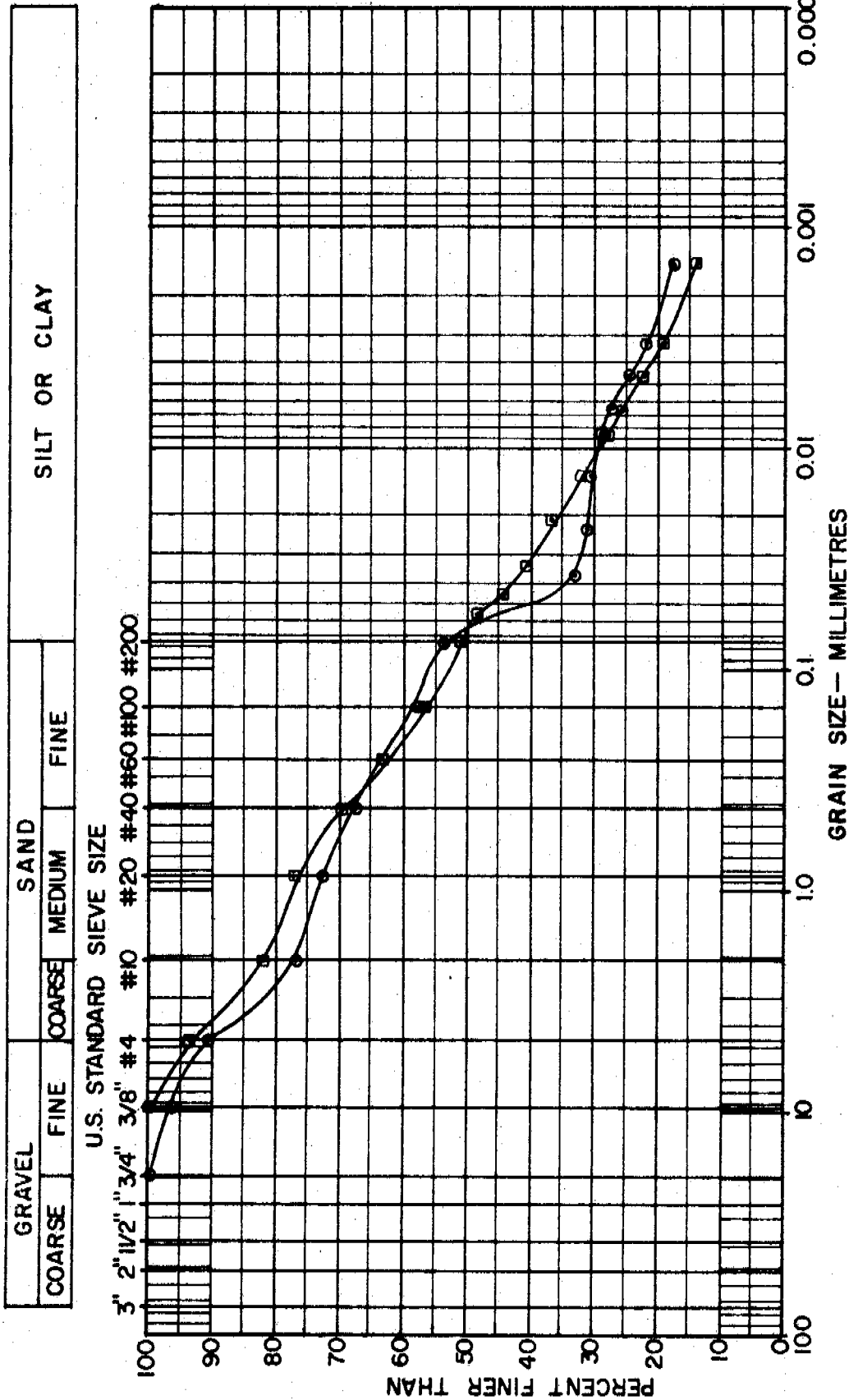
LOCATION 352-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 2 - 10 ft.

☐ Sample No. 4 - 20 ft.



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JOB No. AL0307

PROJECT

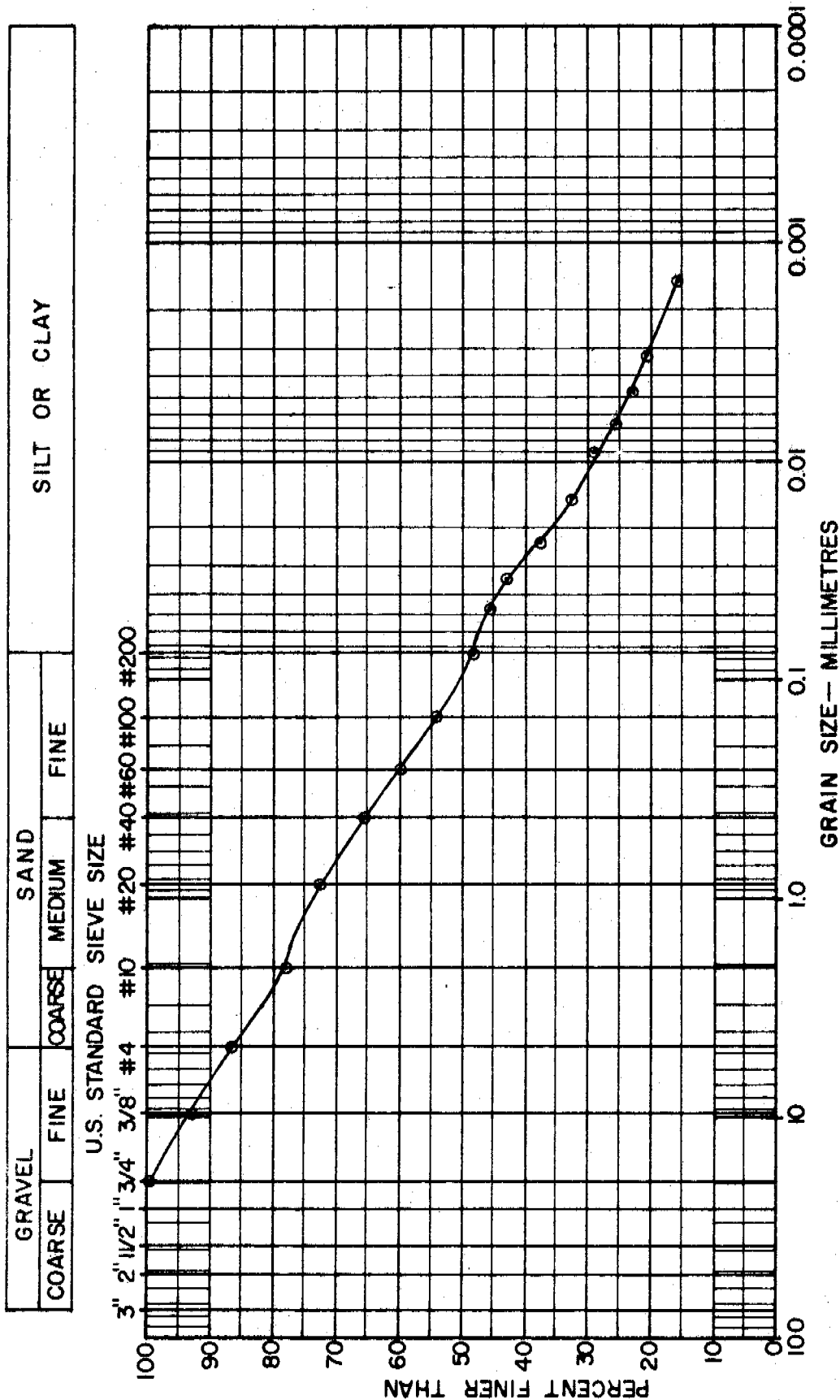
LOCATION 353-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

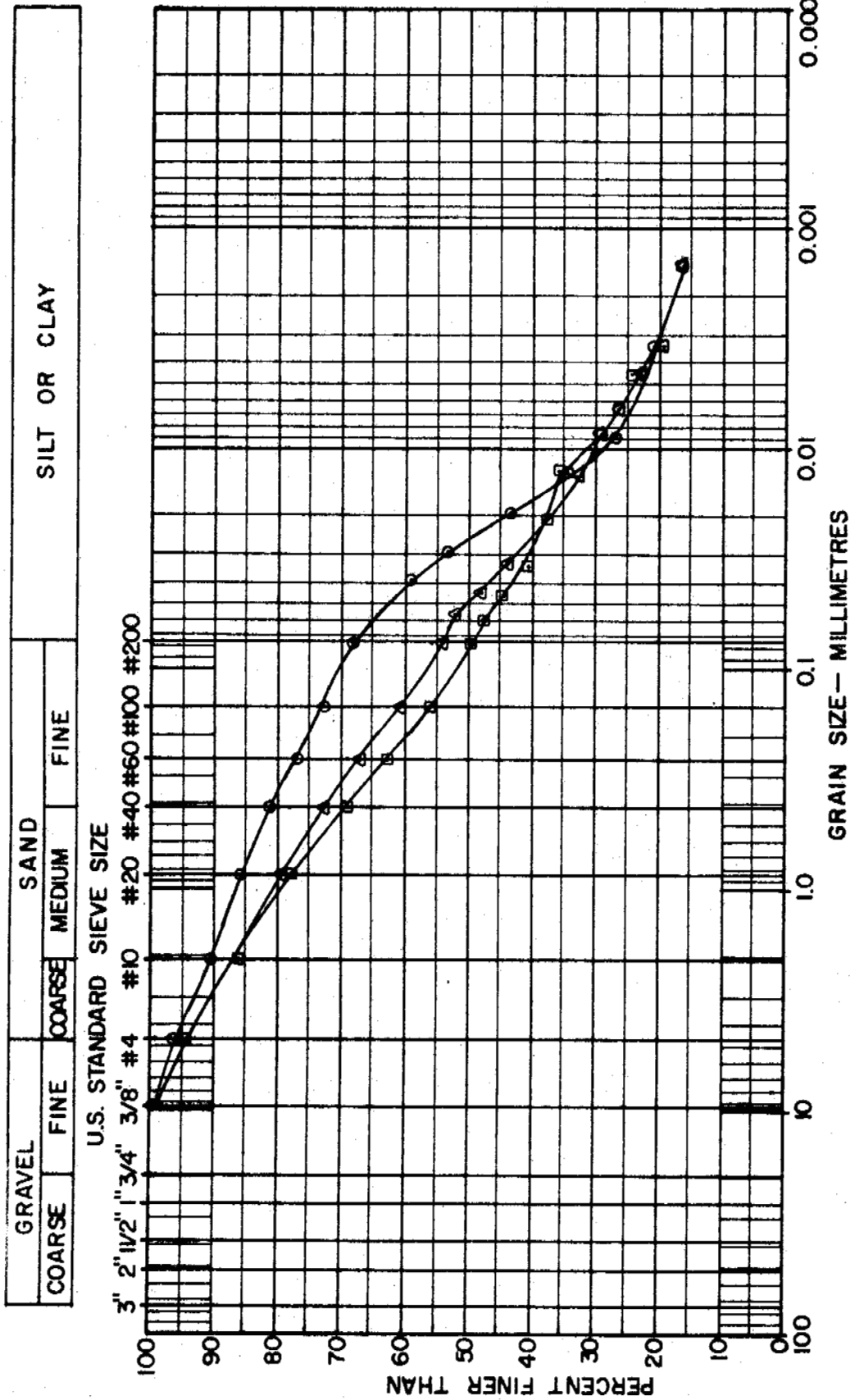
LOCATION 353-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

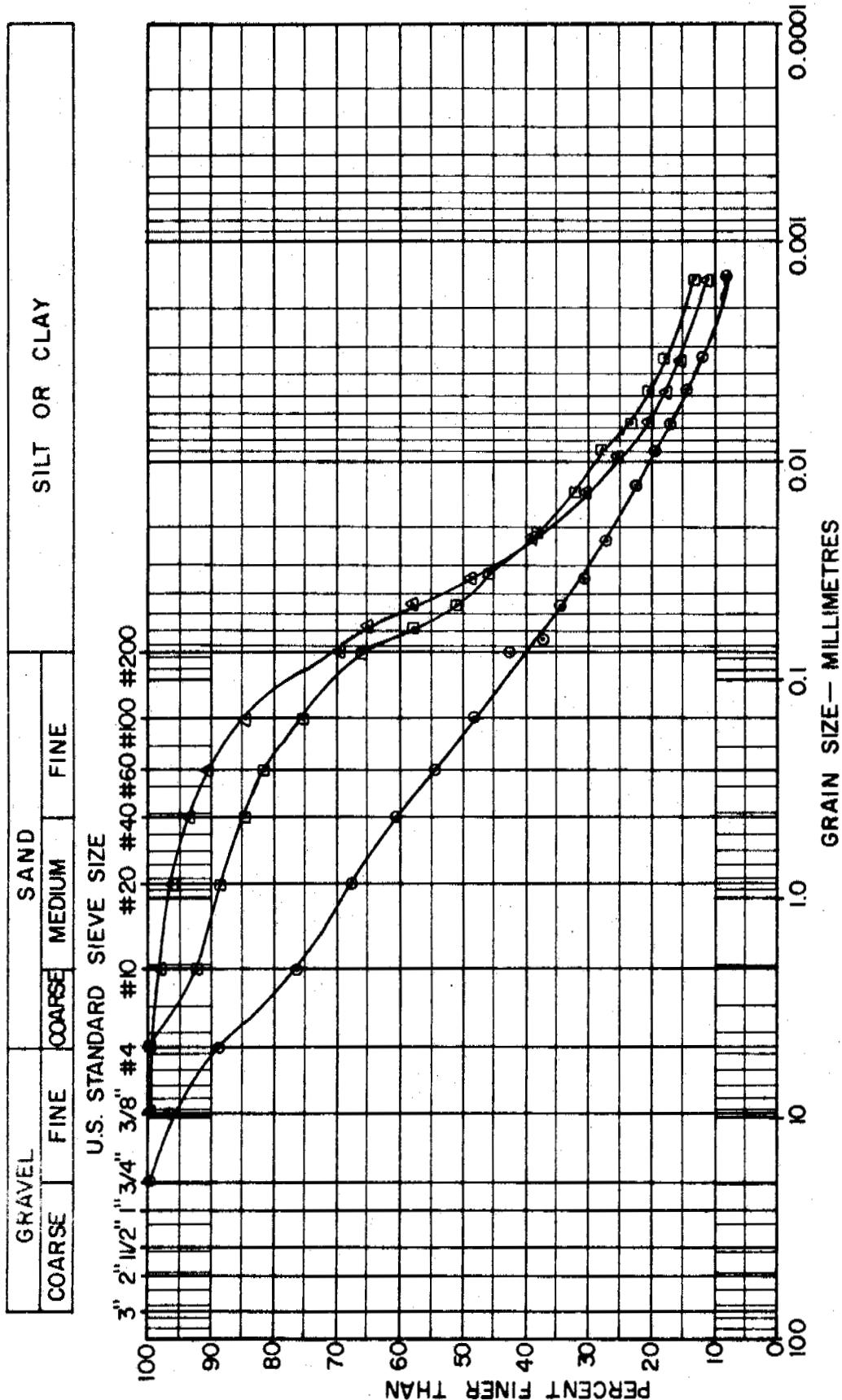
LOCATION 353-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

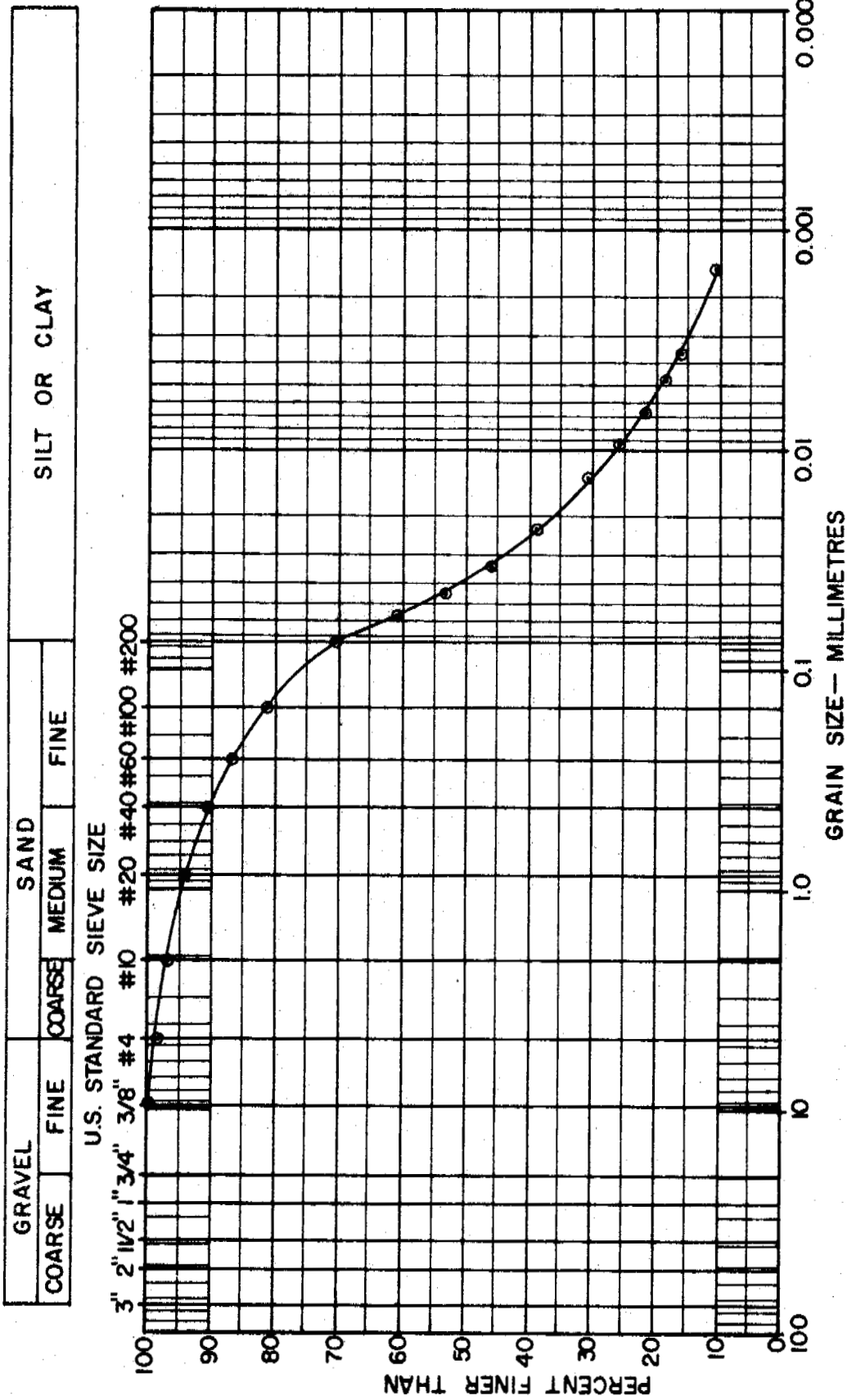
LOCATION 354-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: Sample No. 4 - 20 ft.



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JOB No. AL0307

PROJECT

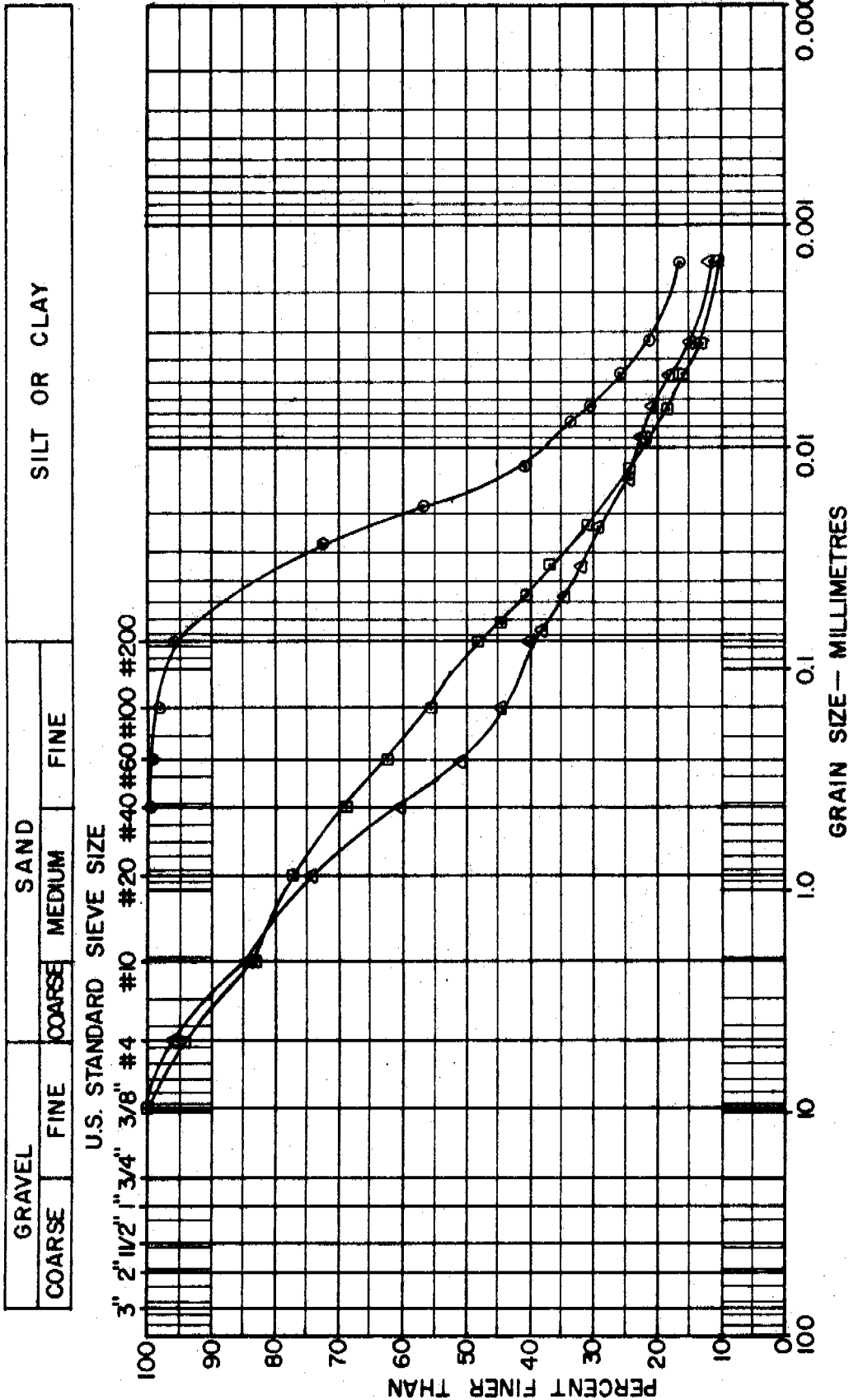
LOCATION 354-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

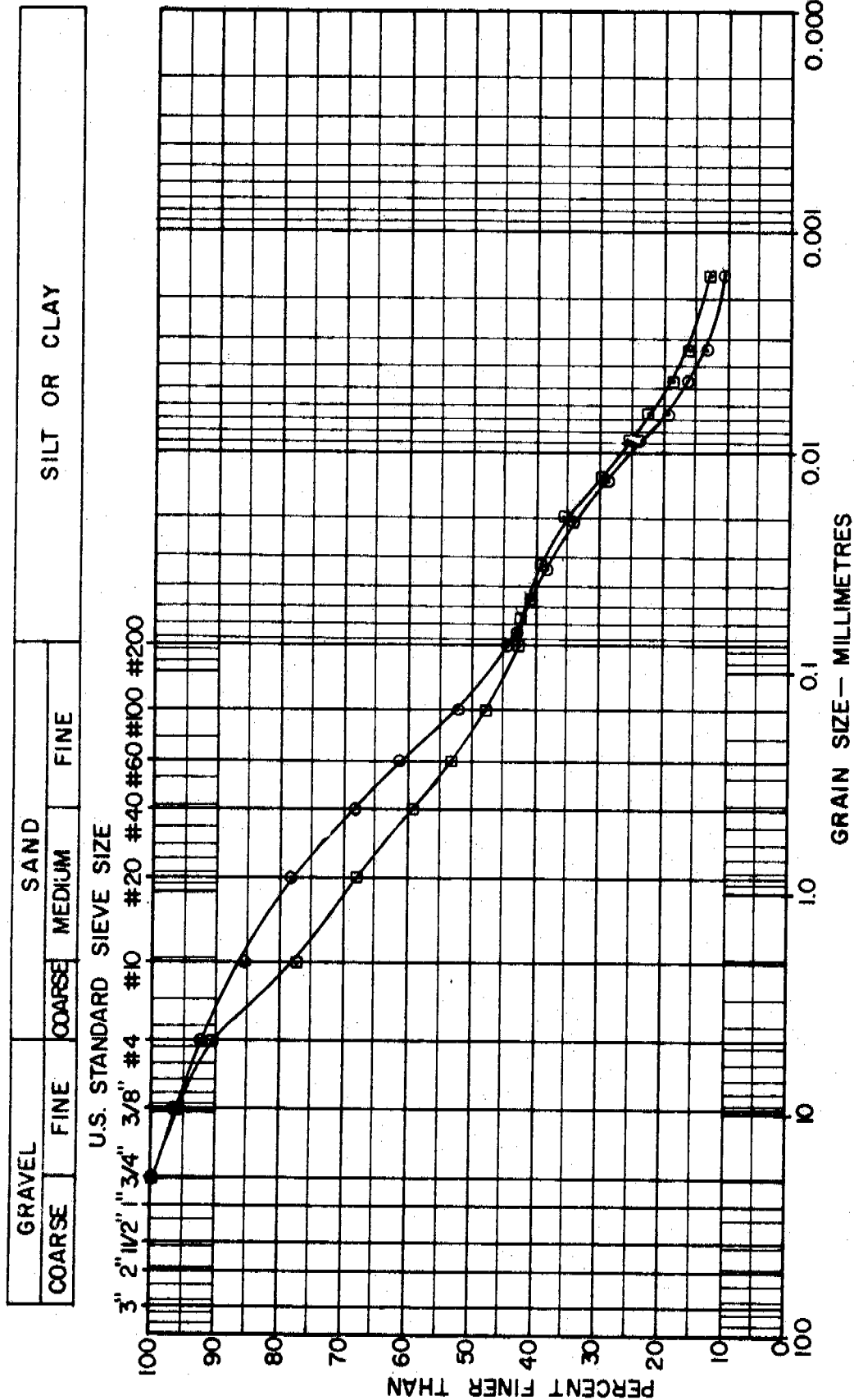
LOCATION 354-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☐ 10 ft.

☐ 15 ft.



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JOB No. AL0307

PROJECT

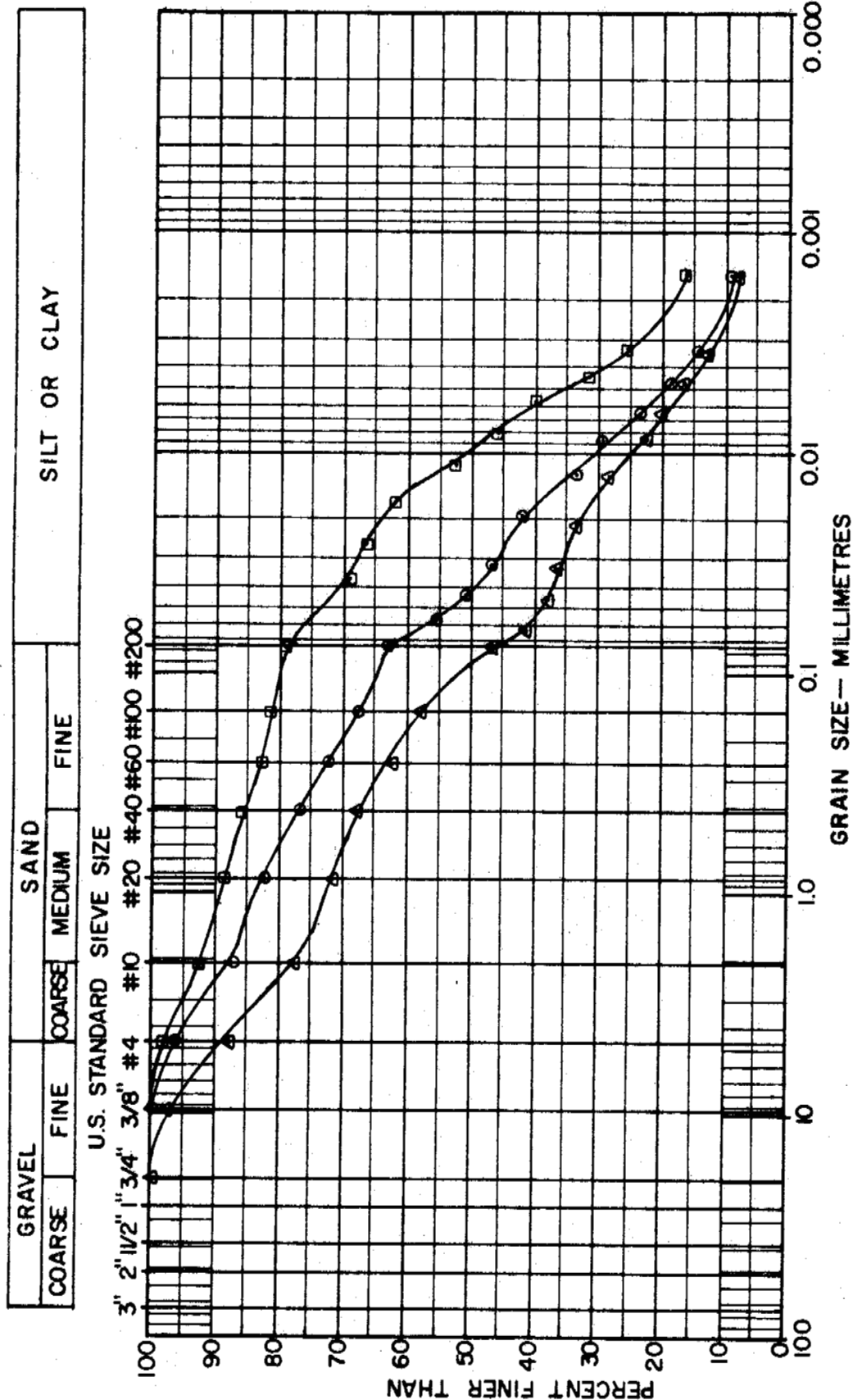
LOCATION 355-S-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.
 □ Sample No. 2 - 15 ft.
 △ Sample No. 3 - 20 ft.



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

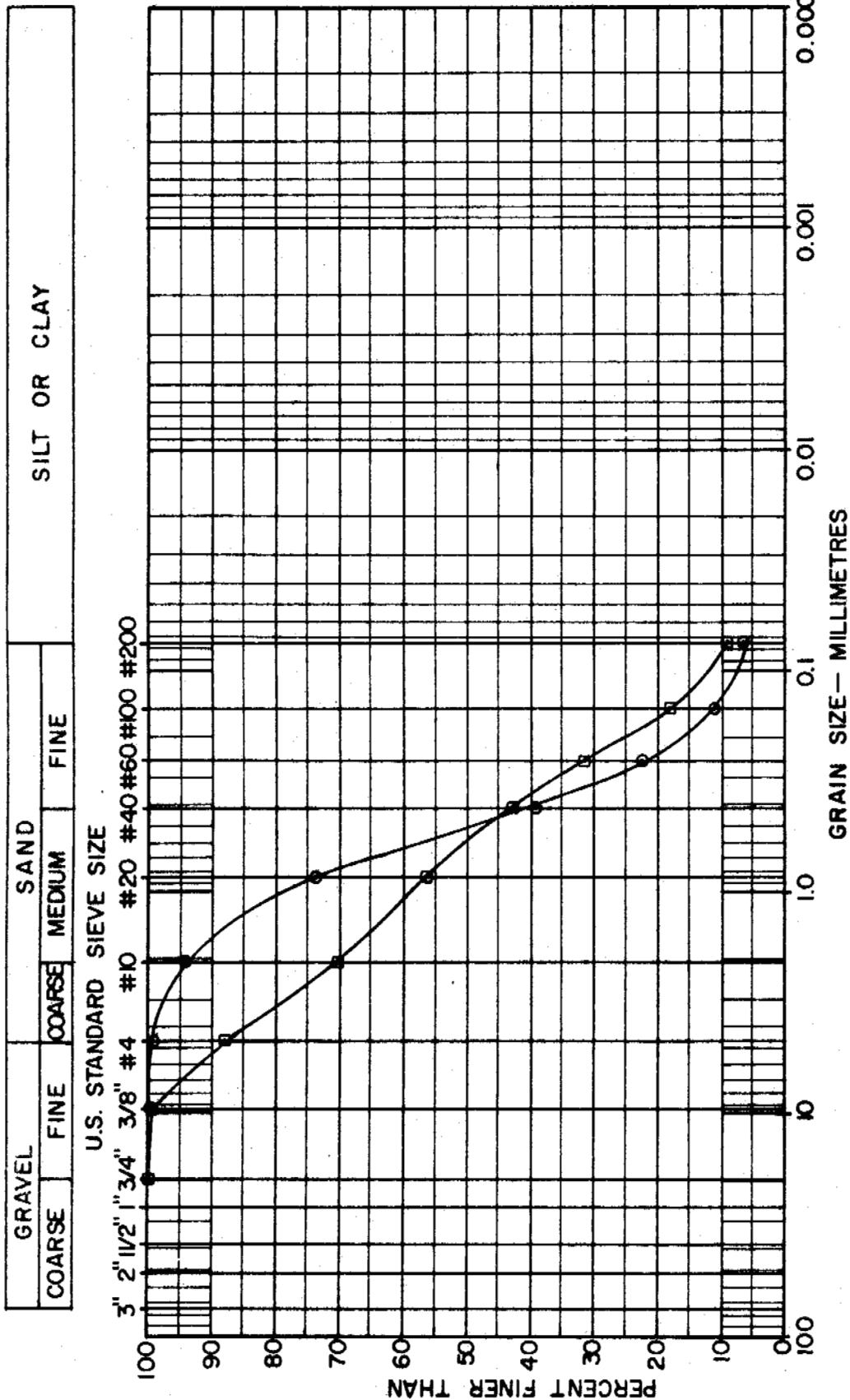
LOCATION 355-S-B

HOLE No.

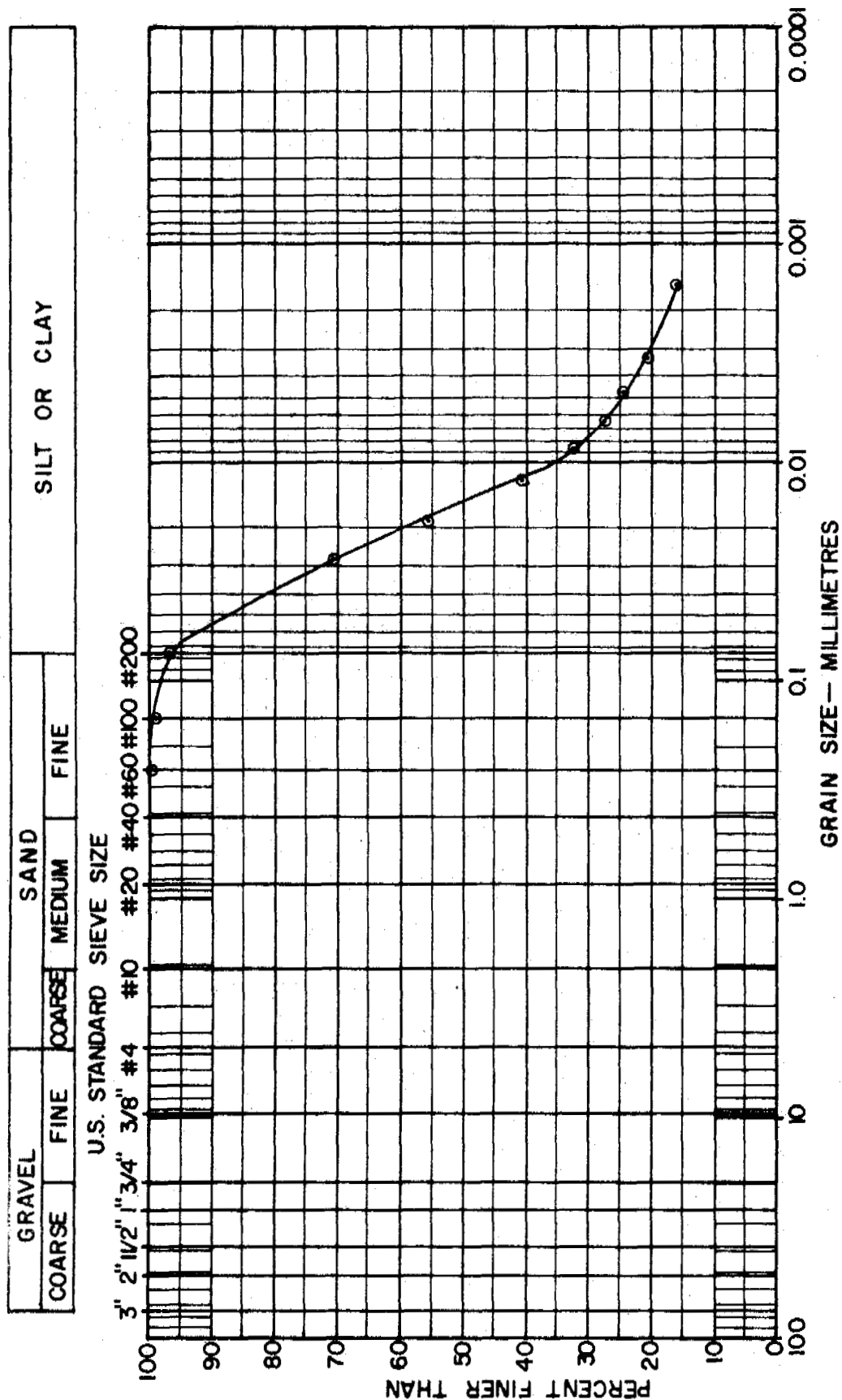
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: 0 Sample No. 1 - 5 ft.



JOB No. AL0307

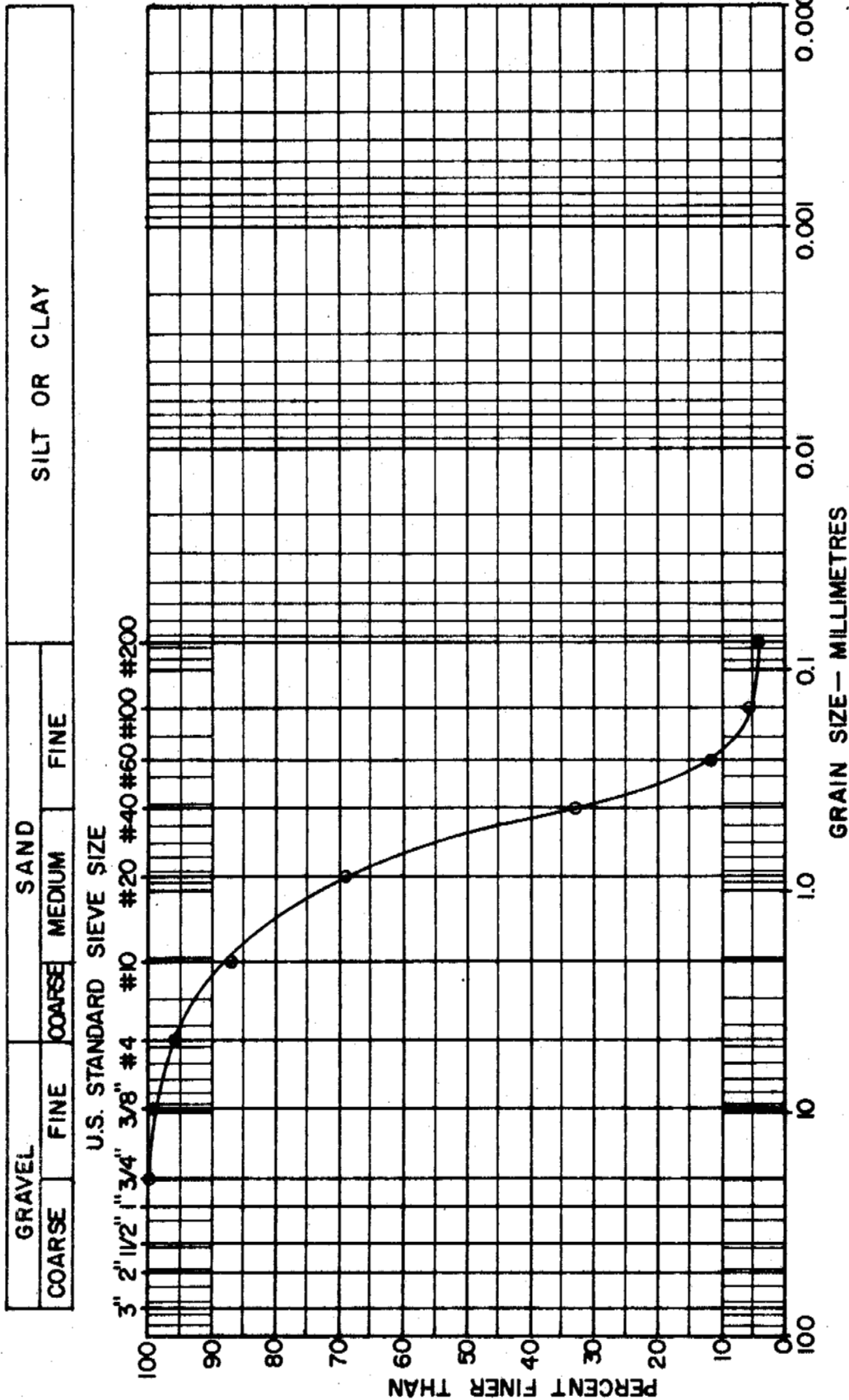
PROJECT

LOCATION 355-C-D

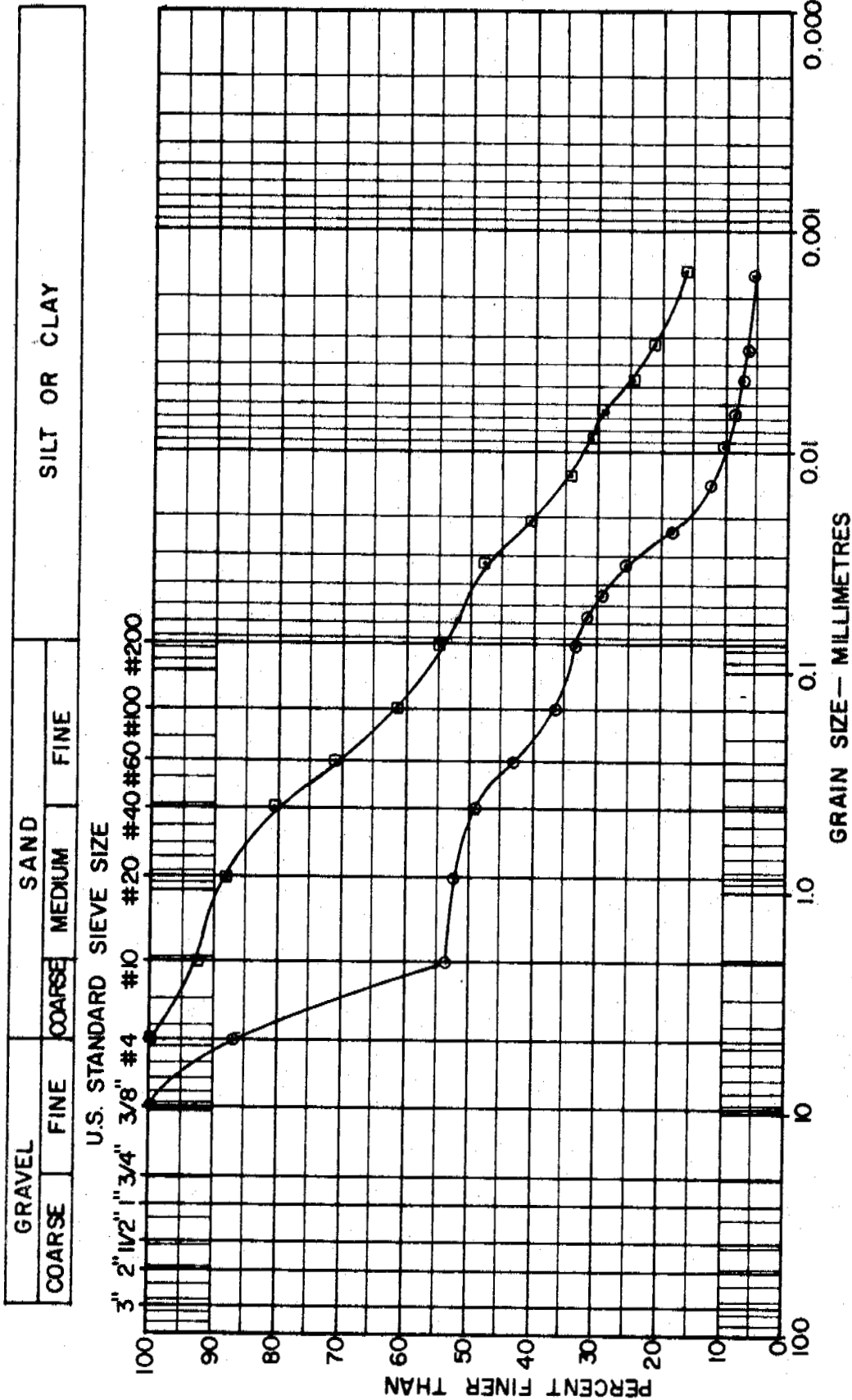
HOLE No.	DEPTH
----------	-------

DATE _____

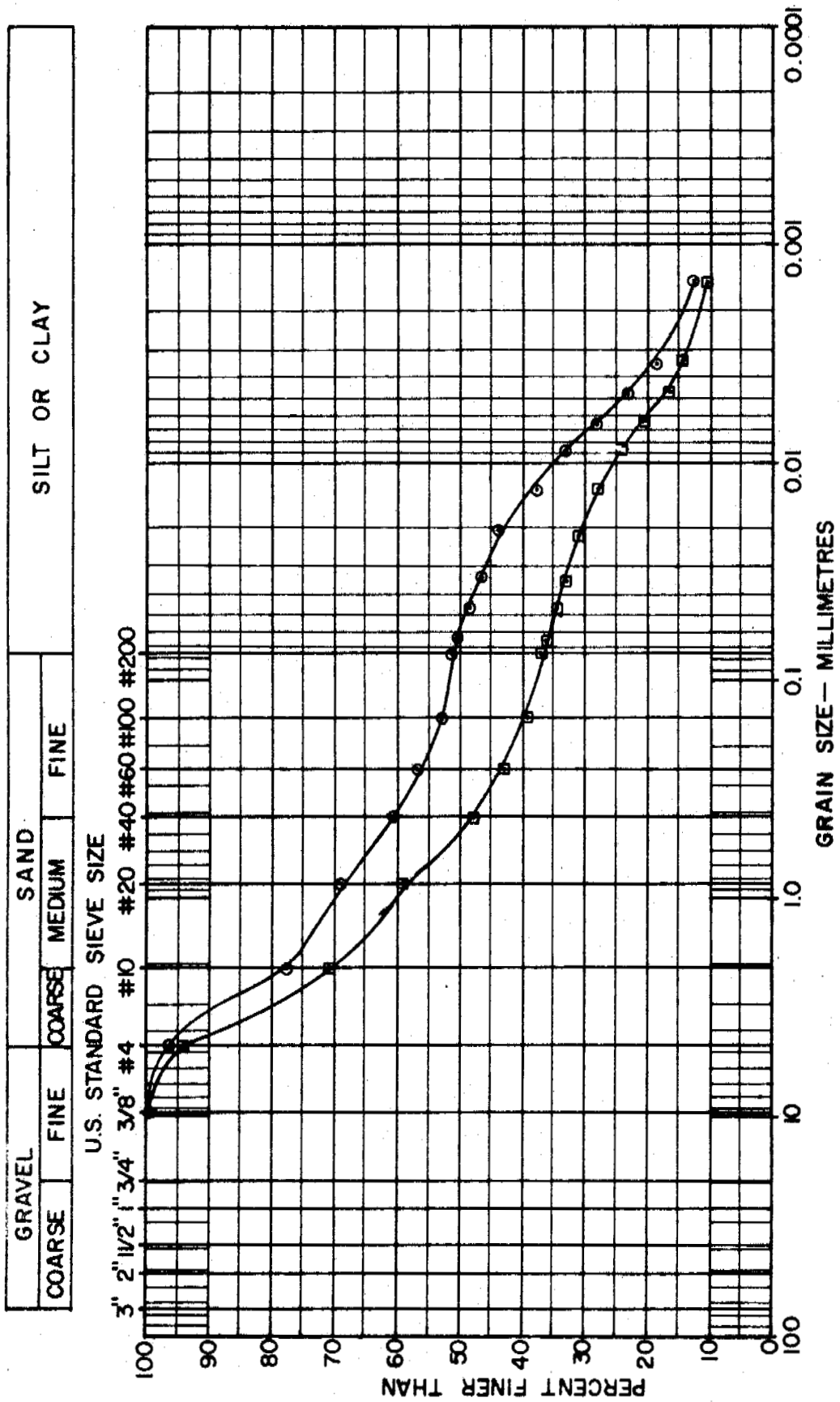
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: © Sample No. 3 - 15 ft.

Sample No. 4 - 25 ft.



JOB No. AL0307

PROJECT

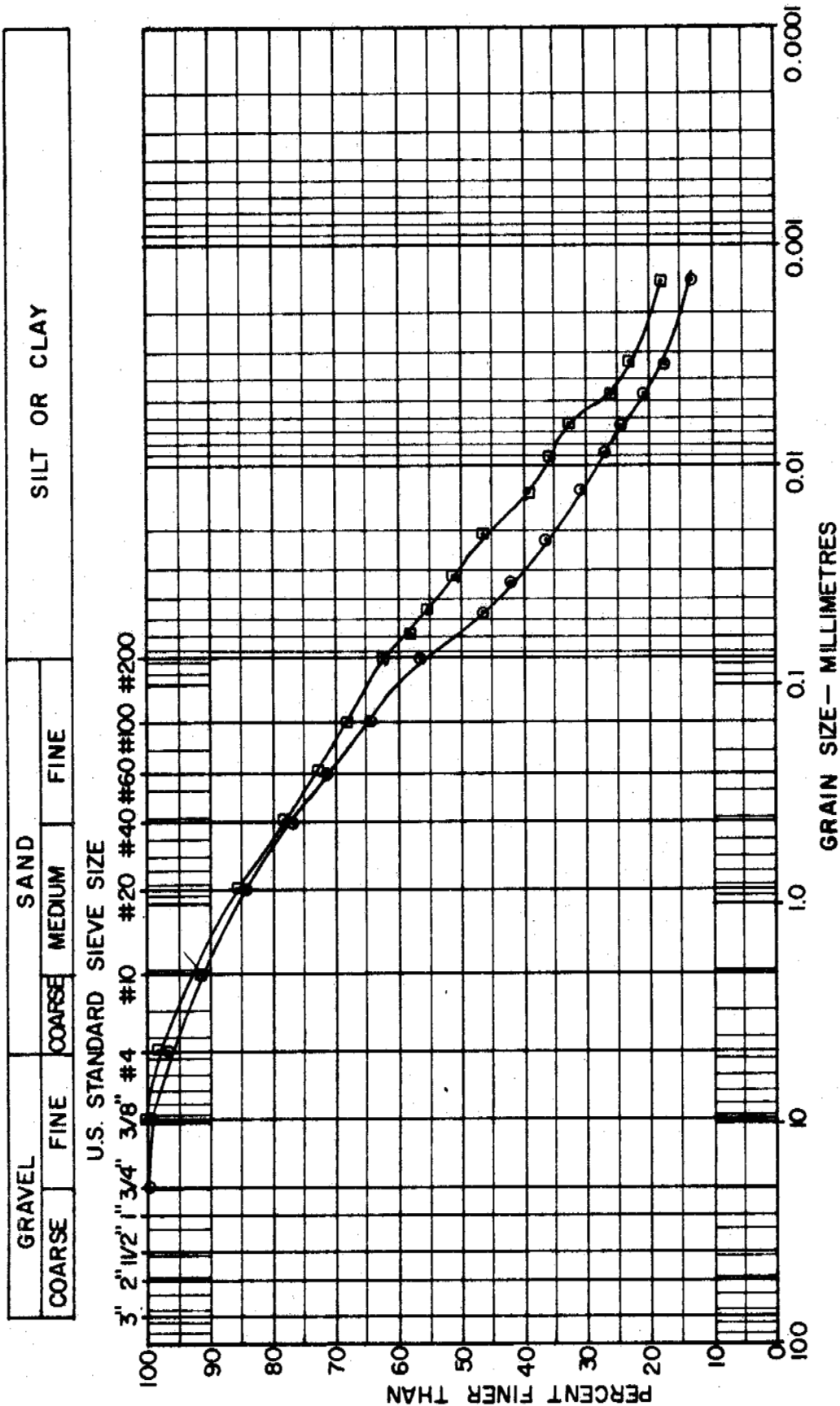
LOCATION 356-C-A

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



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JOB No. AL0307

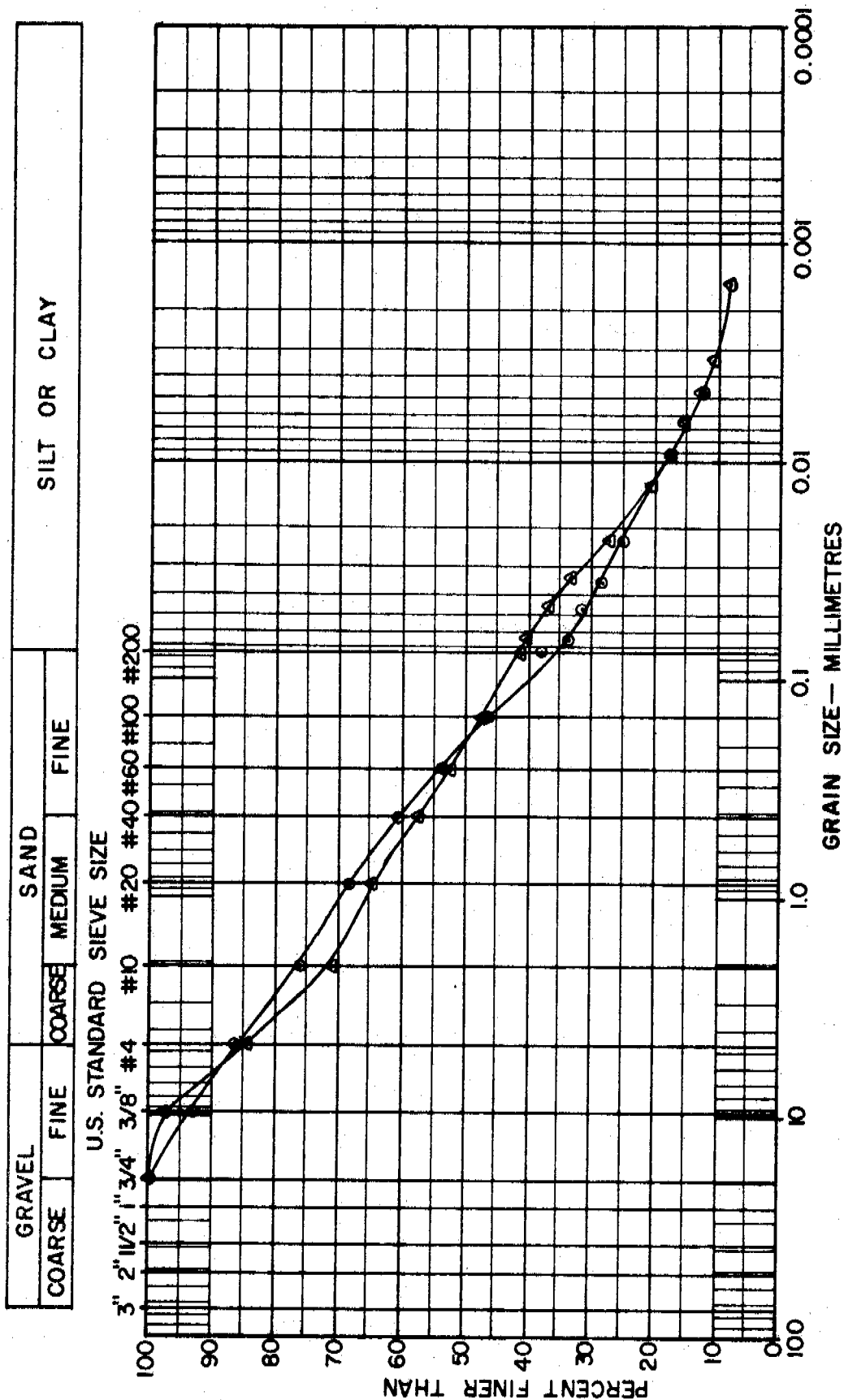
PROJECT

LOCATION 356-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: Δ 5 ft.

$\circ$ 15 ft.



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JOB No. AL0307

PROJECT

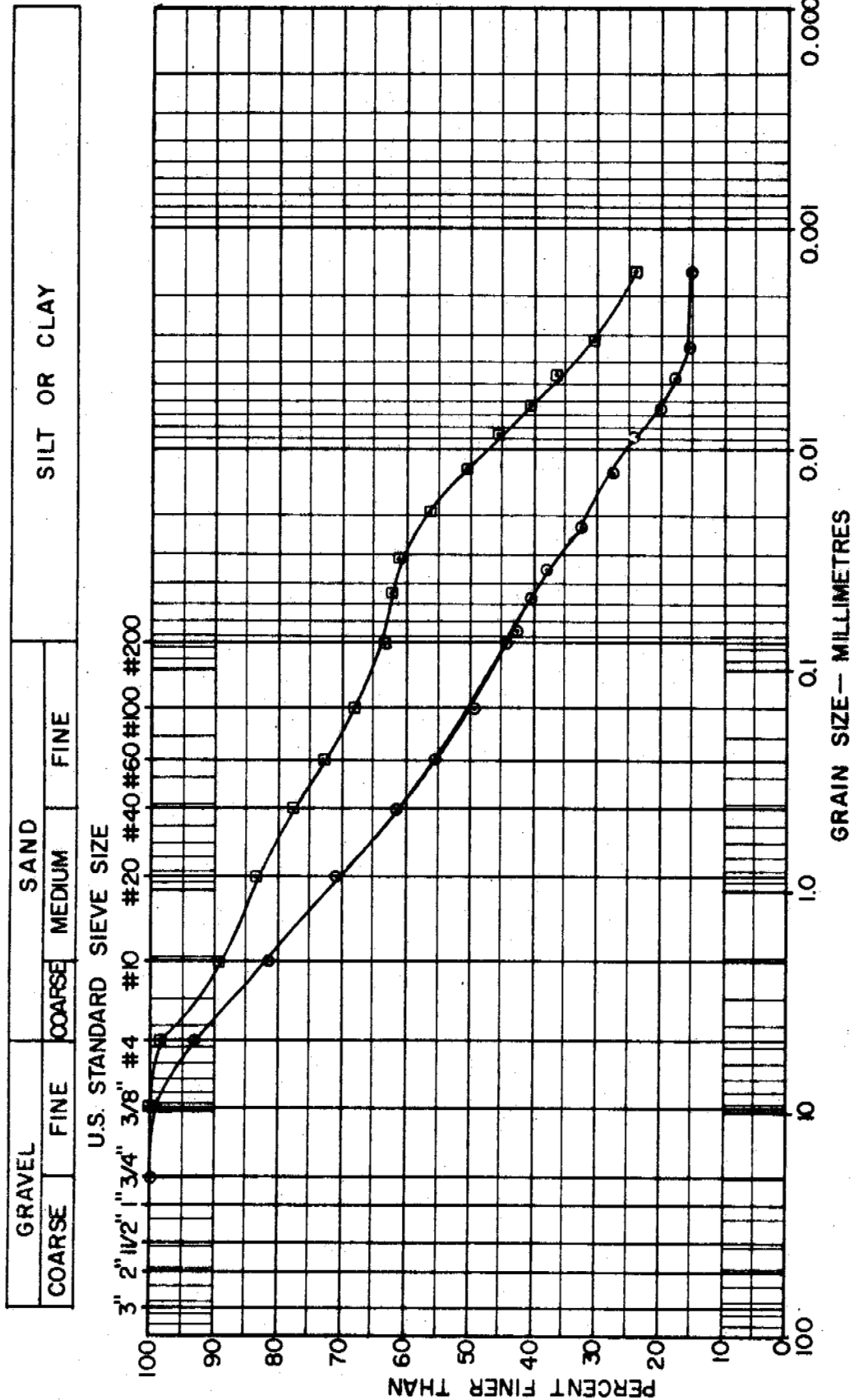
LOCATION 357-C-A

HOLE No.

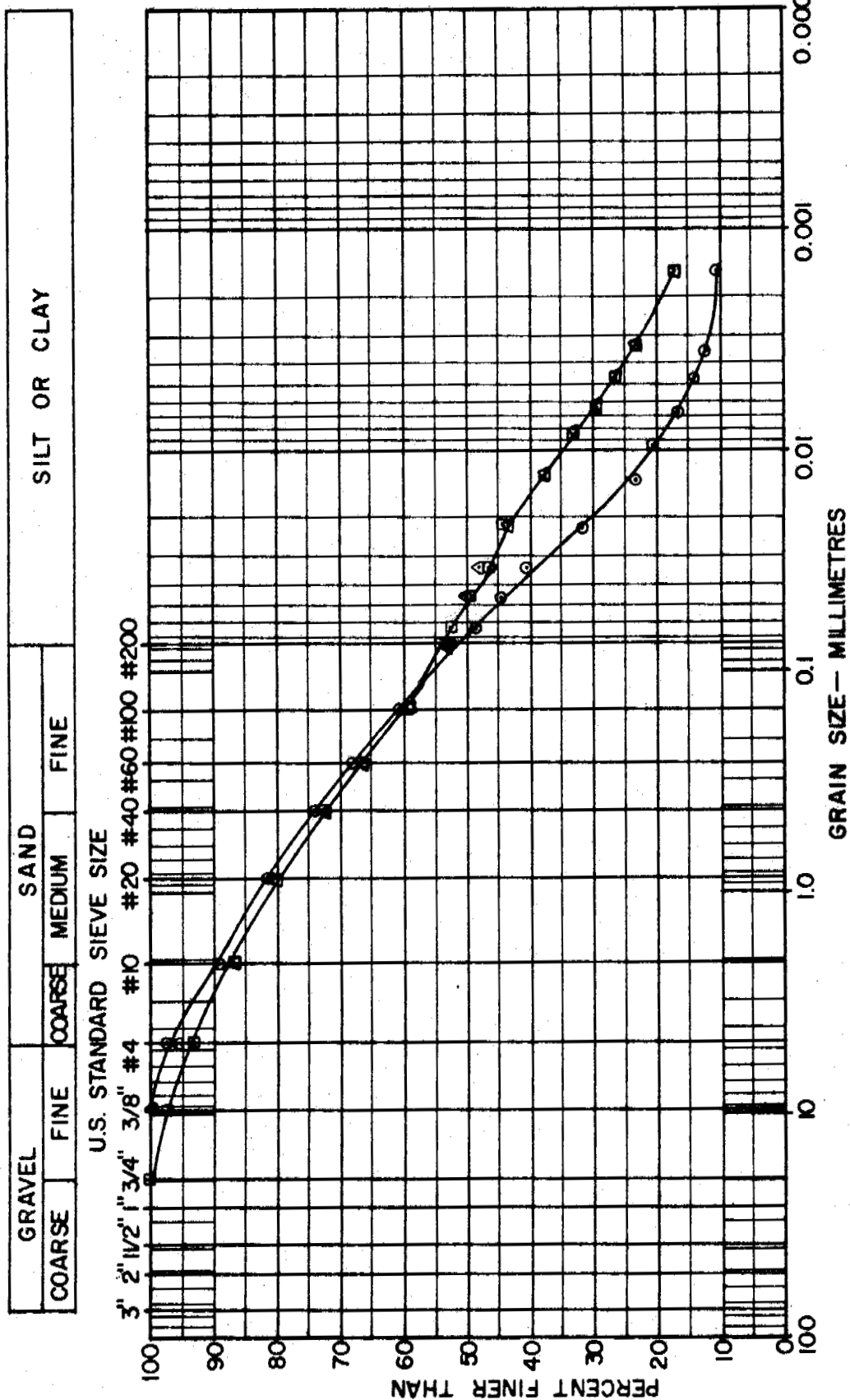
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 15 ft.

△ Sample No. 3 - 20 ft.



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JOB No. AL0307

PROJECT

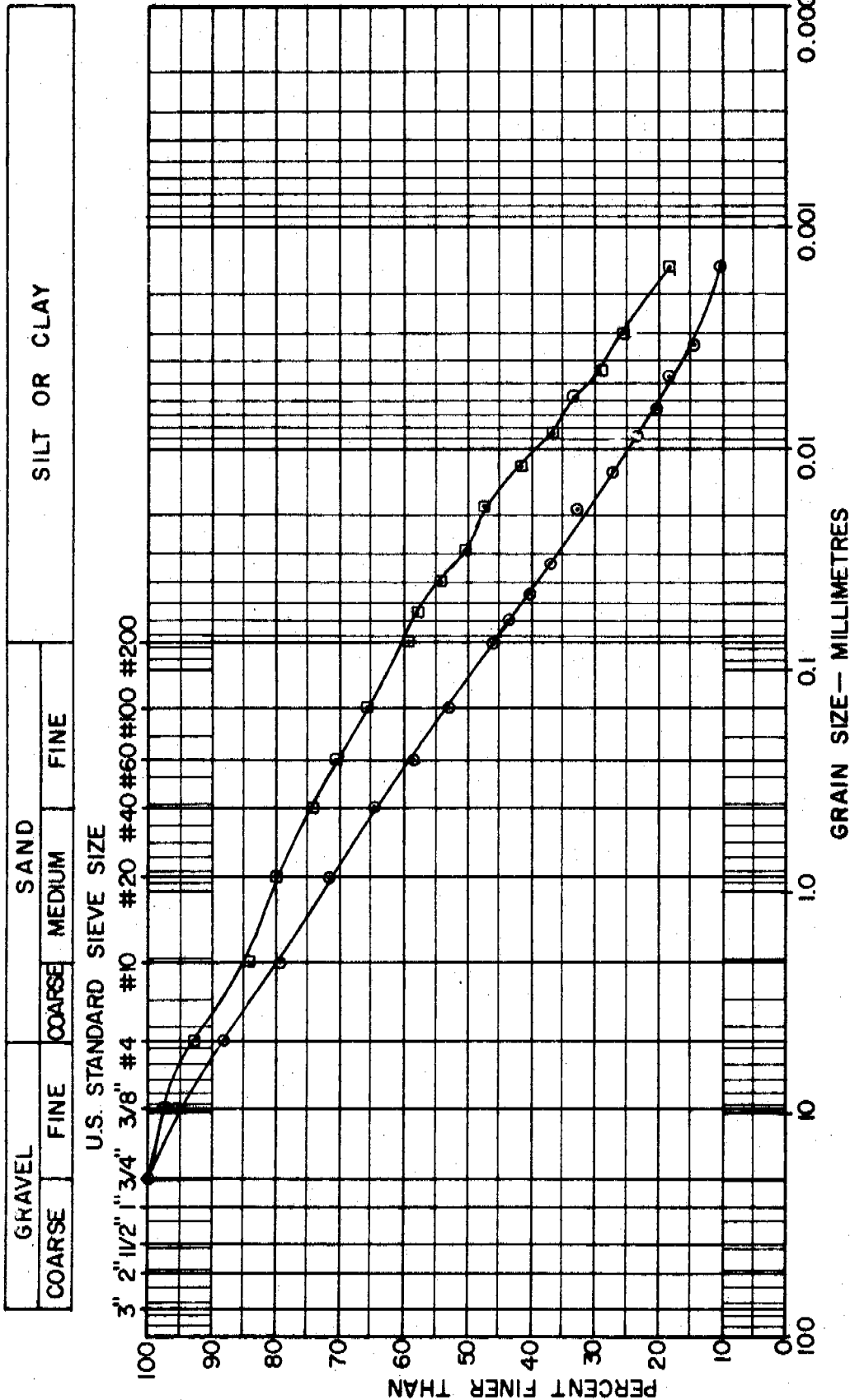
LOCATION 358-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 10 ft.

□ 15 ft.



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JOB No. AL0307

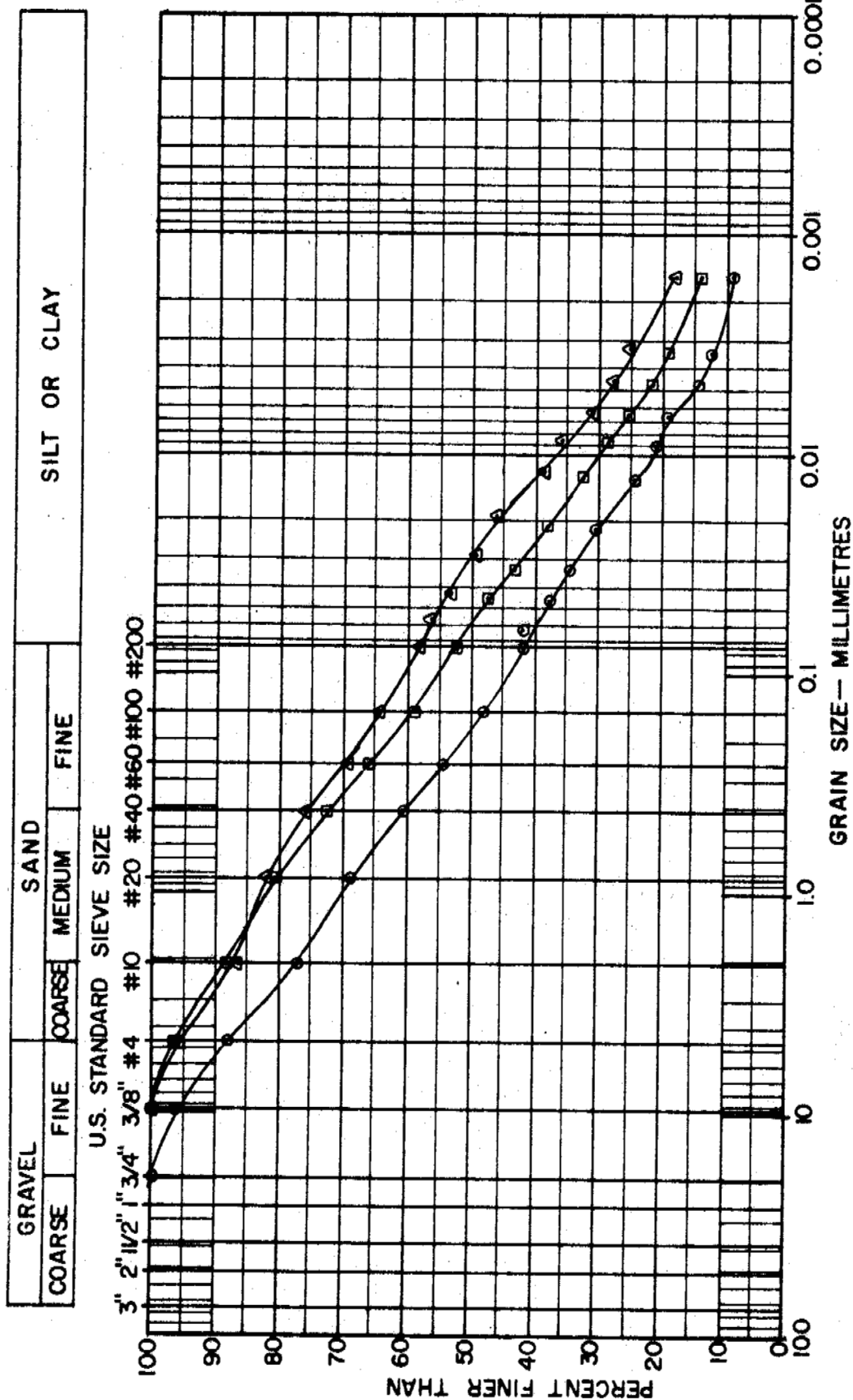
PROJECT

LOCATION 358-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

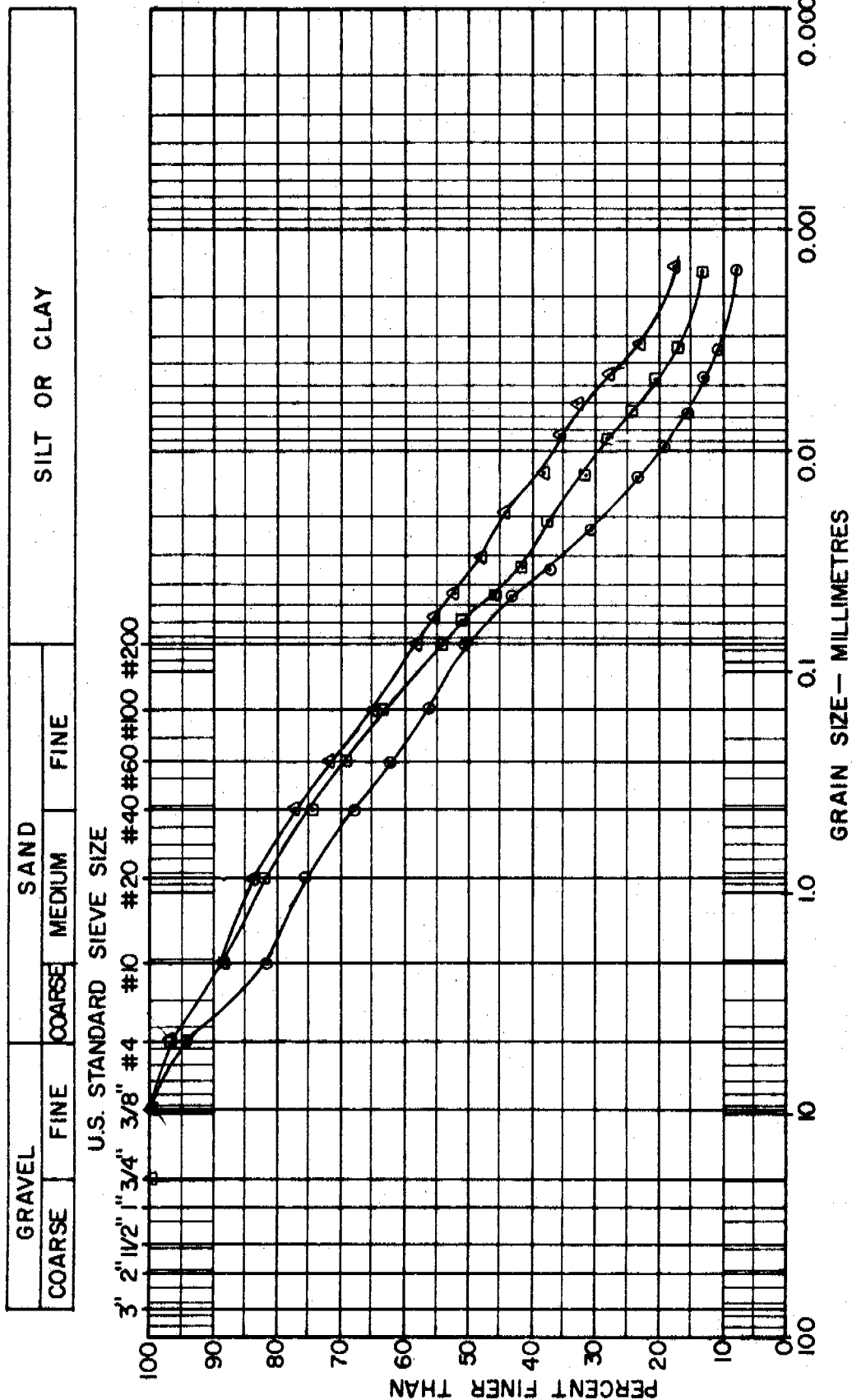
LOCATION 359-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

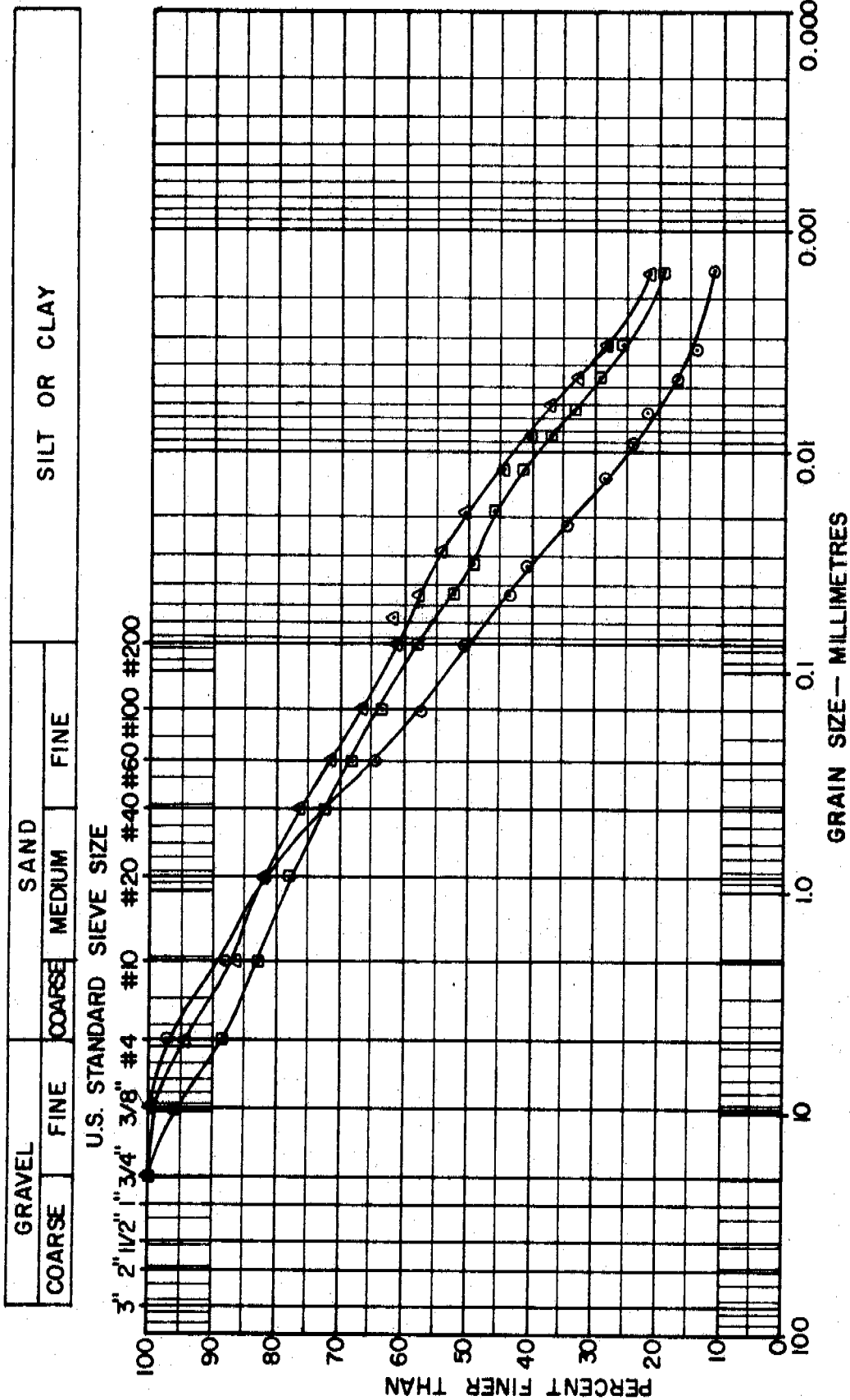
LOCATION 359-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

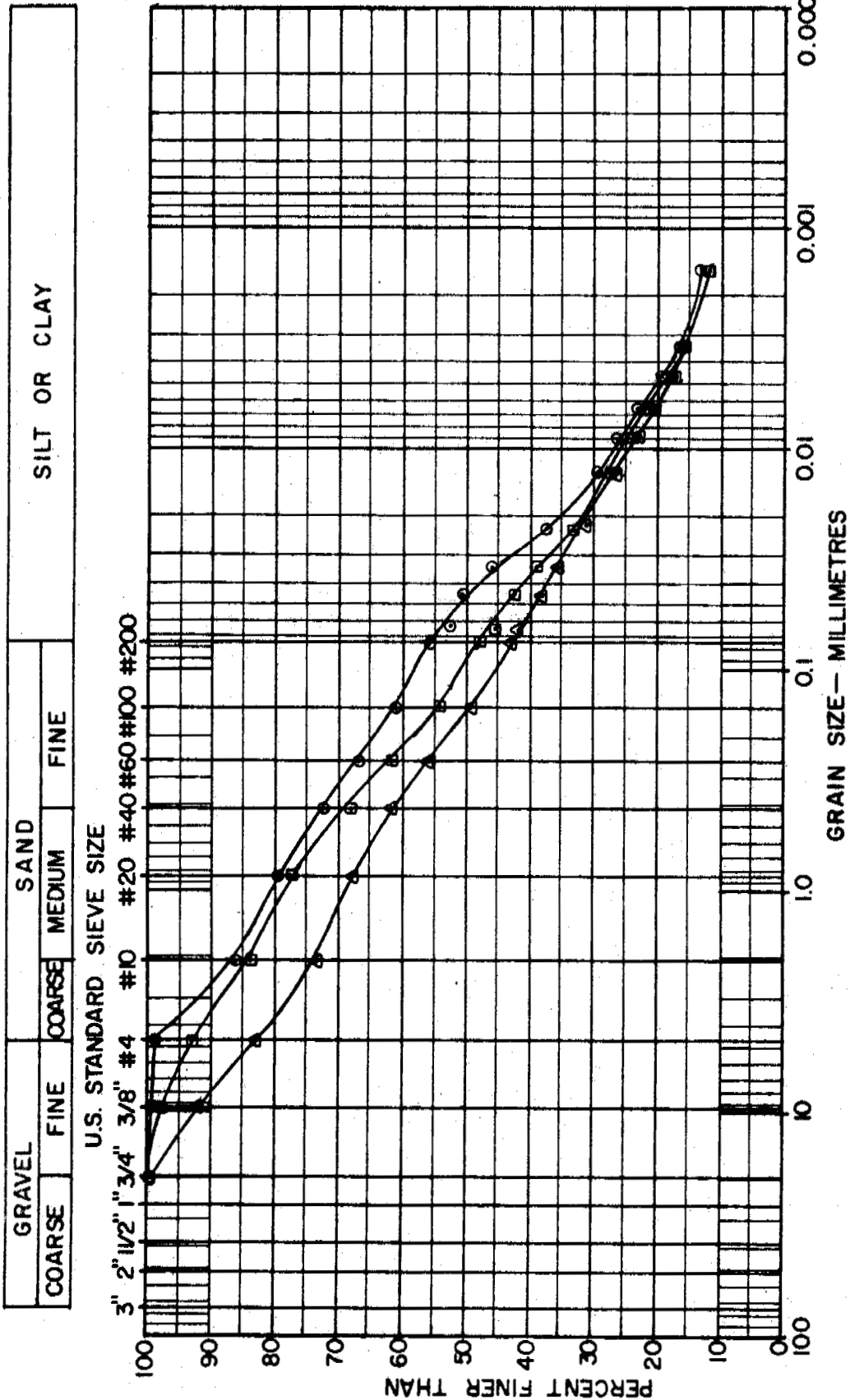
LOCATION 360-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

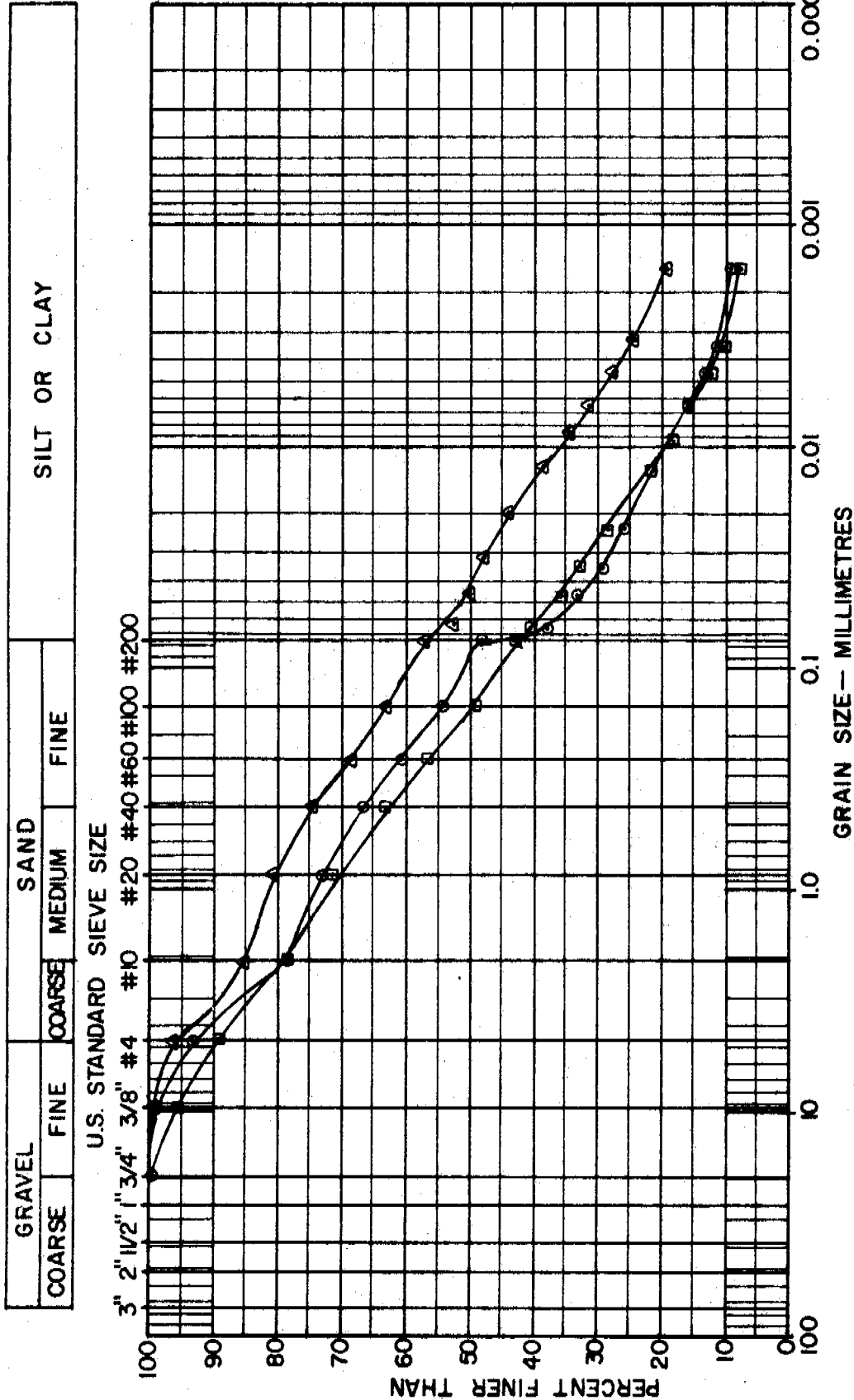
LOCATION 360-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ Sample No. 1 - 5 ft.

$\square$ Sample No. 2 - 10 ft.

$\triangle$ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

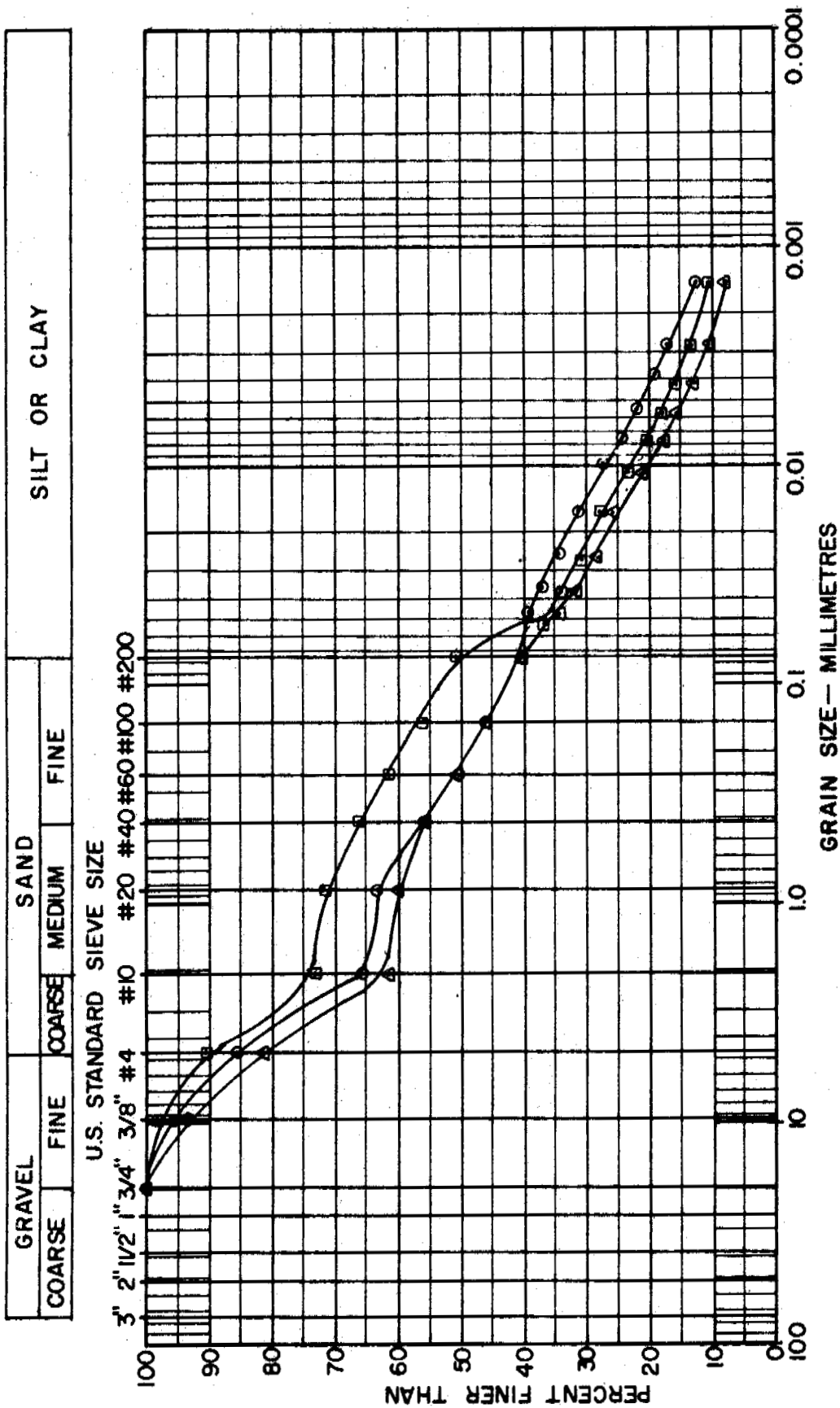
LOCATION 361-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

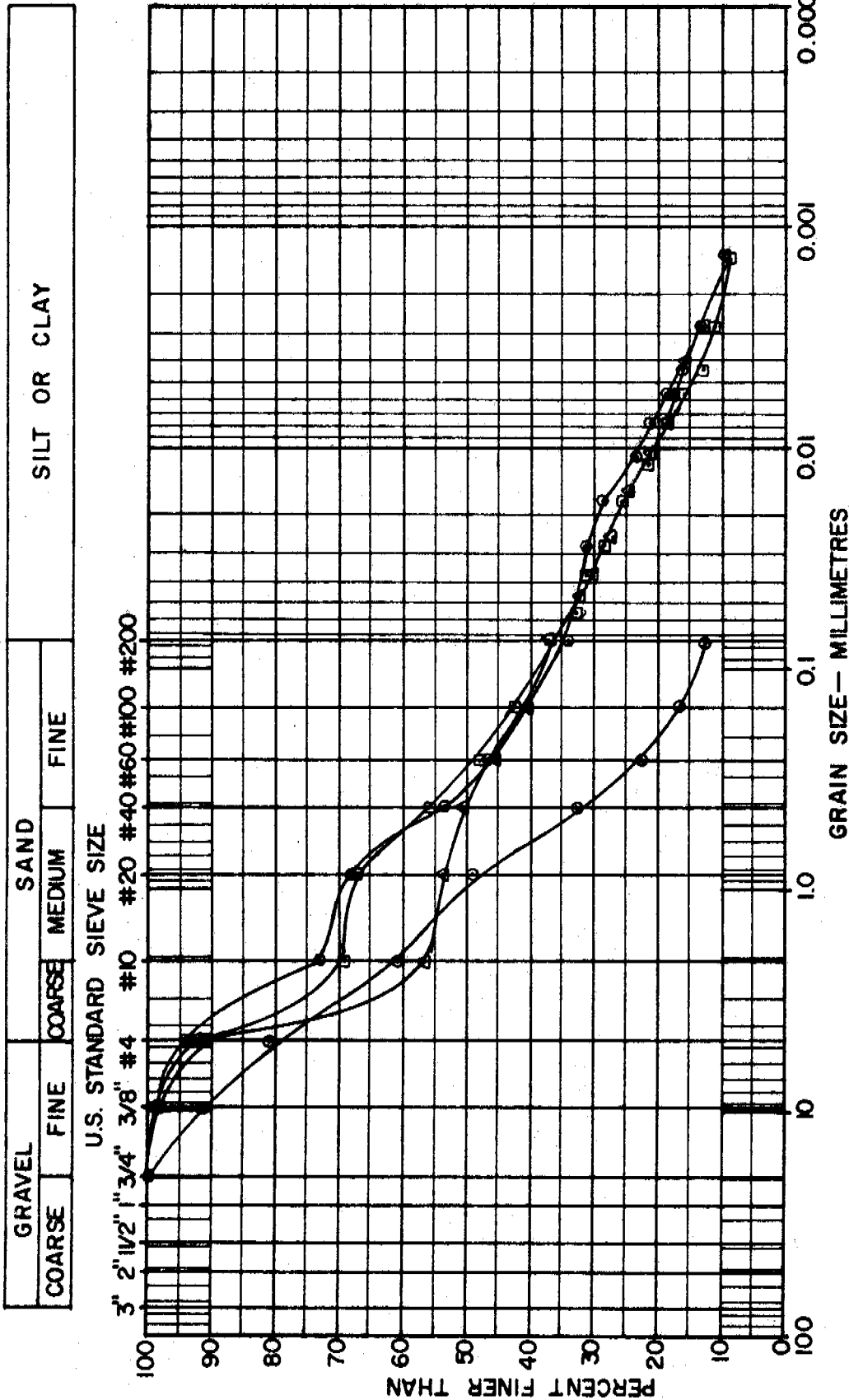
PROJECT

LOCATION 362-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.

● Sample No. 4 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

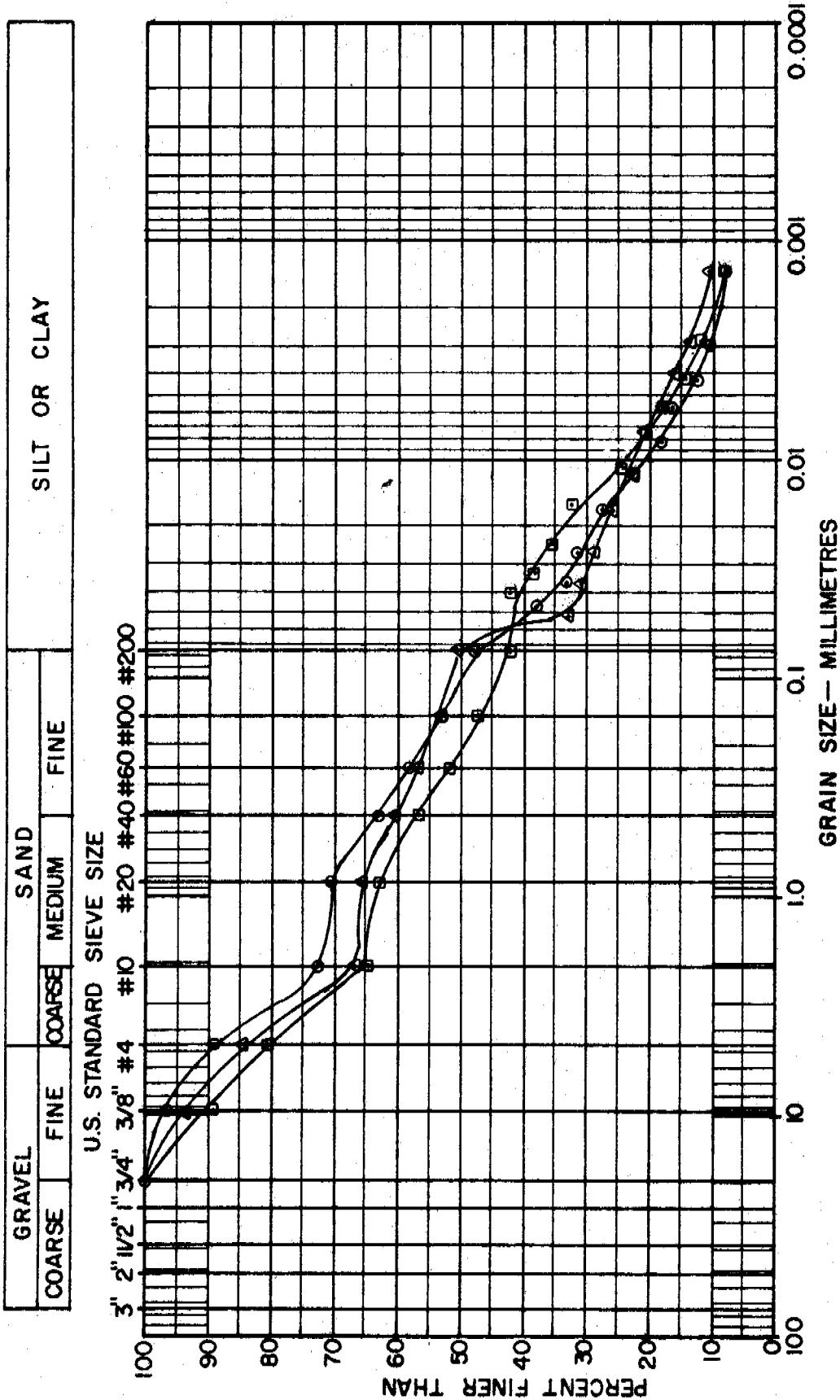
LOCATION 362-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ Sample No. 1 - 5 ft.
 $\square$ Sample No. 2 - 10 ft.
 Δ Sample No. 3 - 15 ft.



Ripley, Kohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

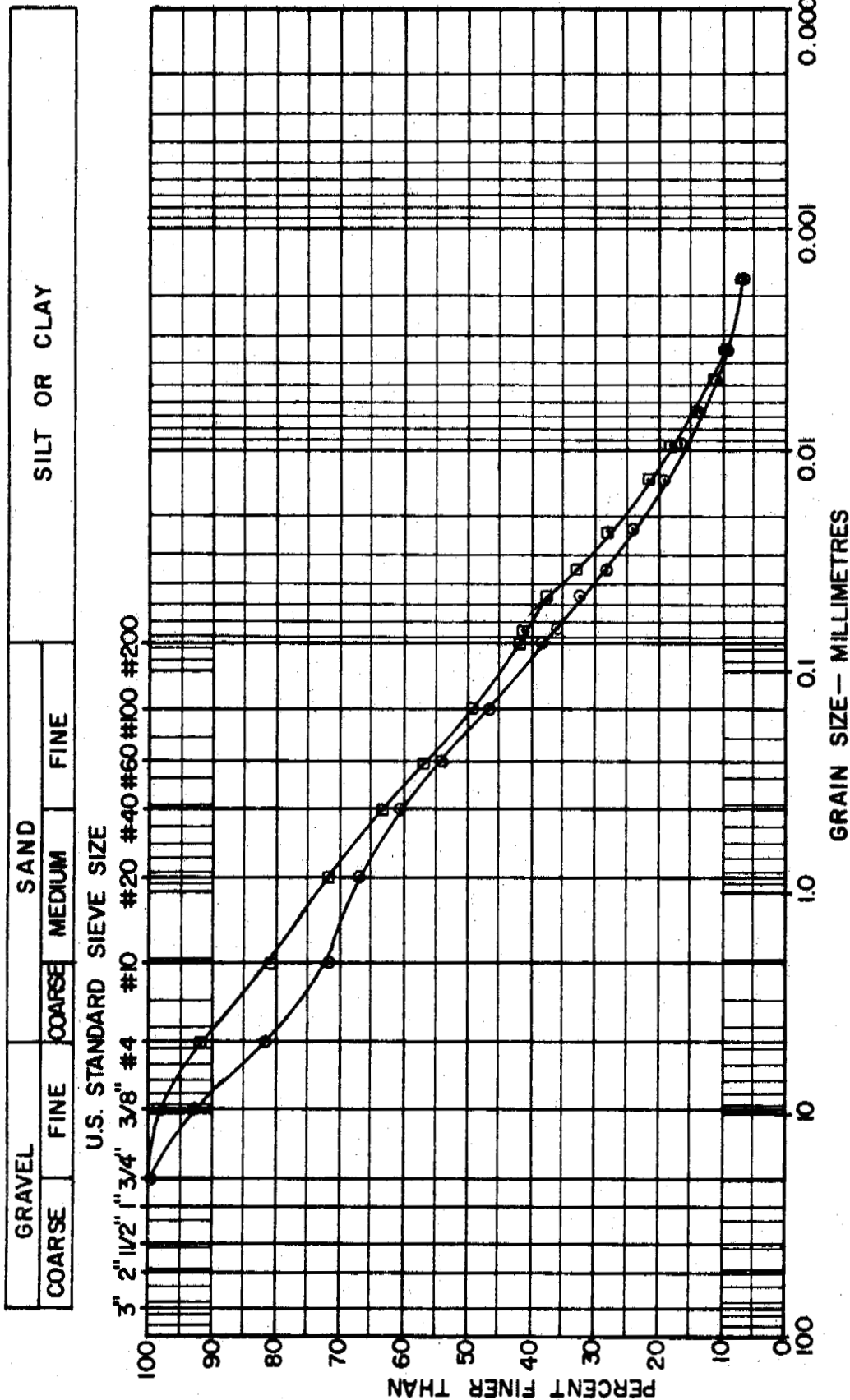
LOCATION 362-C-D

HOLE No.

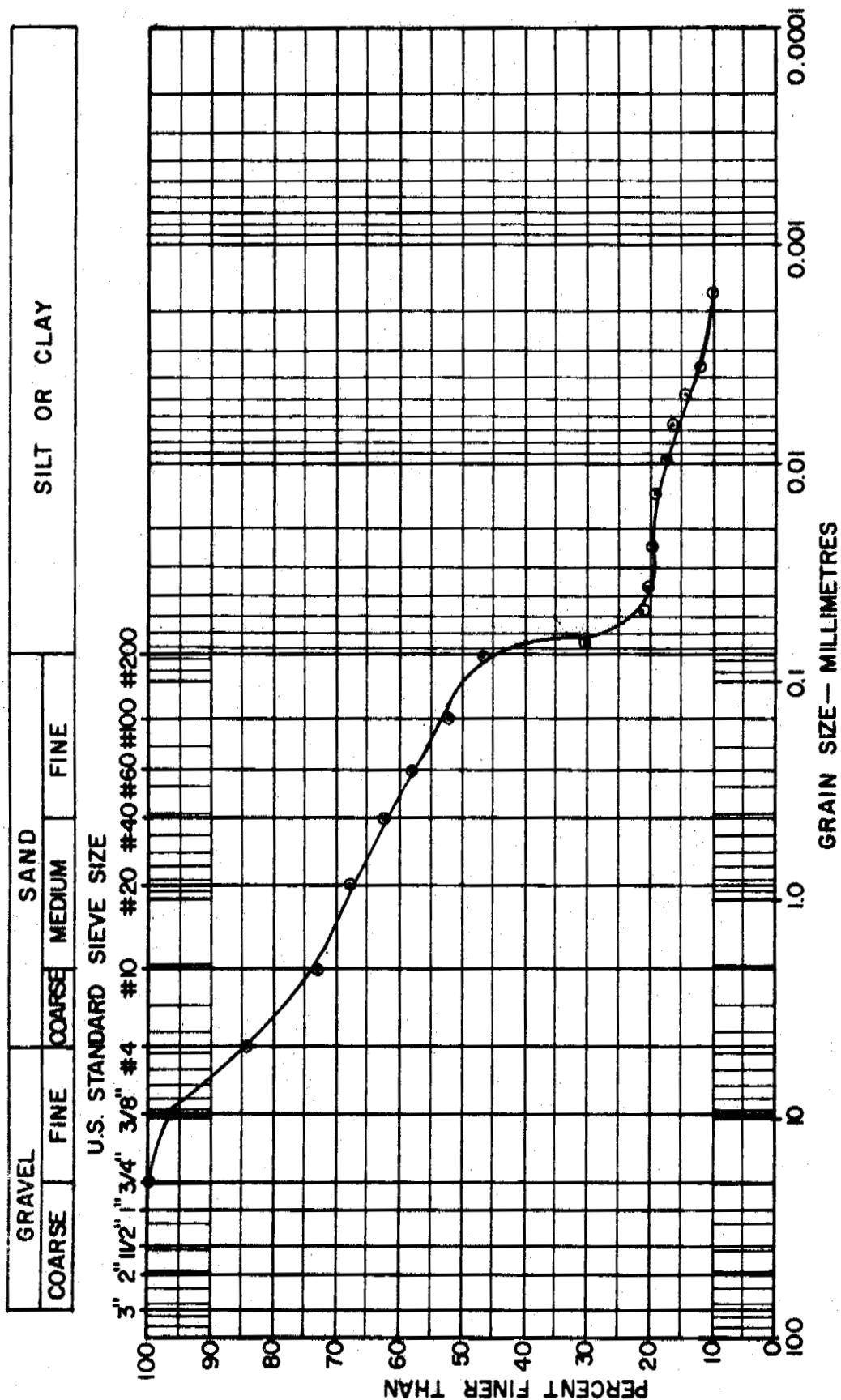
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ⑥ Sample No. 3 - 15 ft.



JOB No. AL0307

PROJECT

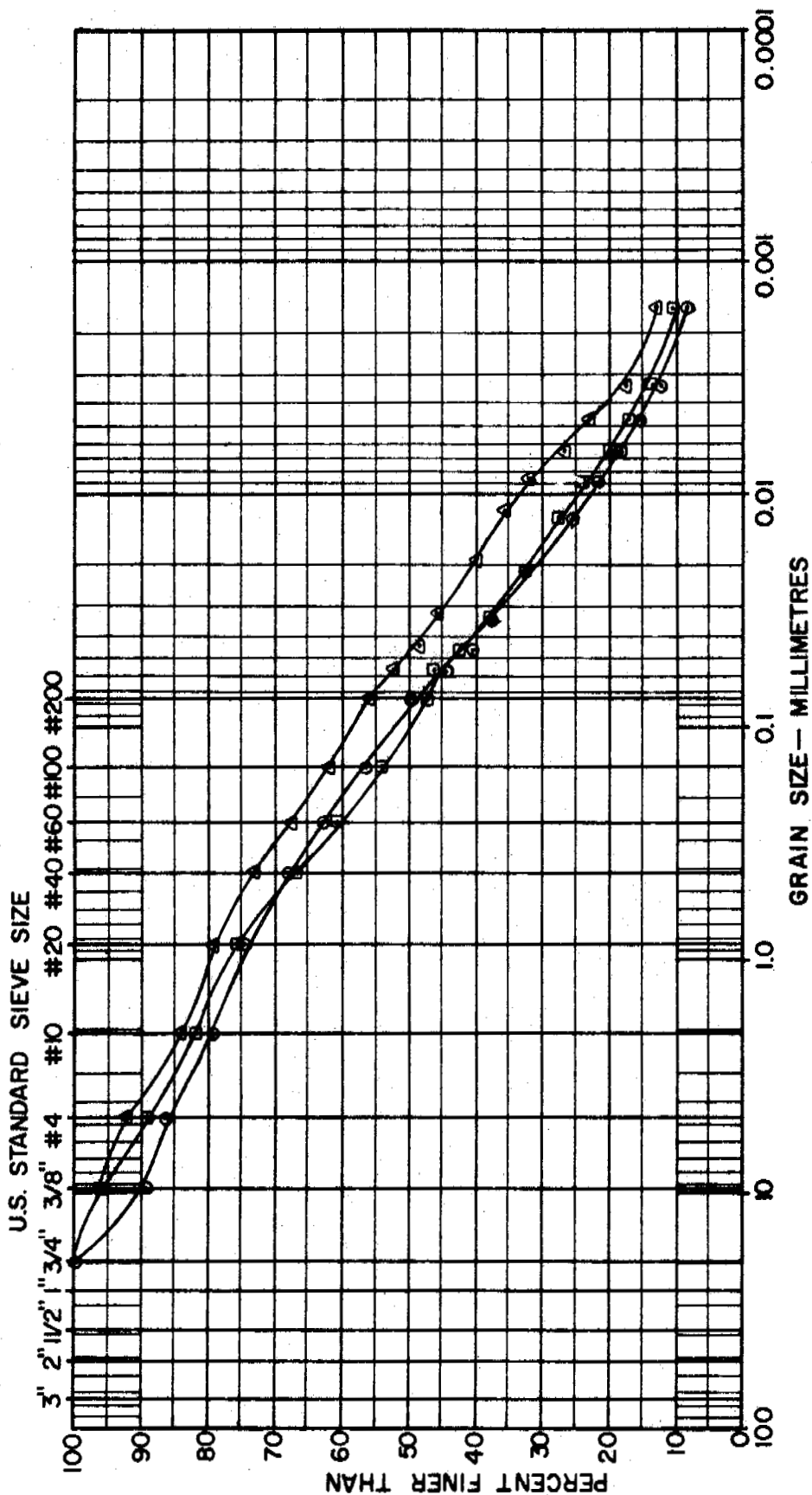
LOCATION 363-C-A

HOLE No.

DEPTH

DATE _____

GRAVEL		SAND		SILT OR CLAY
COARSE	FINE	COARSE	FINE	

REMARKS: Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.

Δ Sample No. 3 - 15 ft.



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

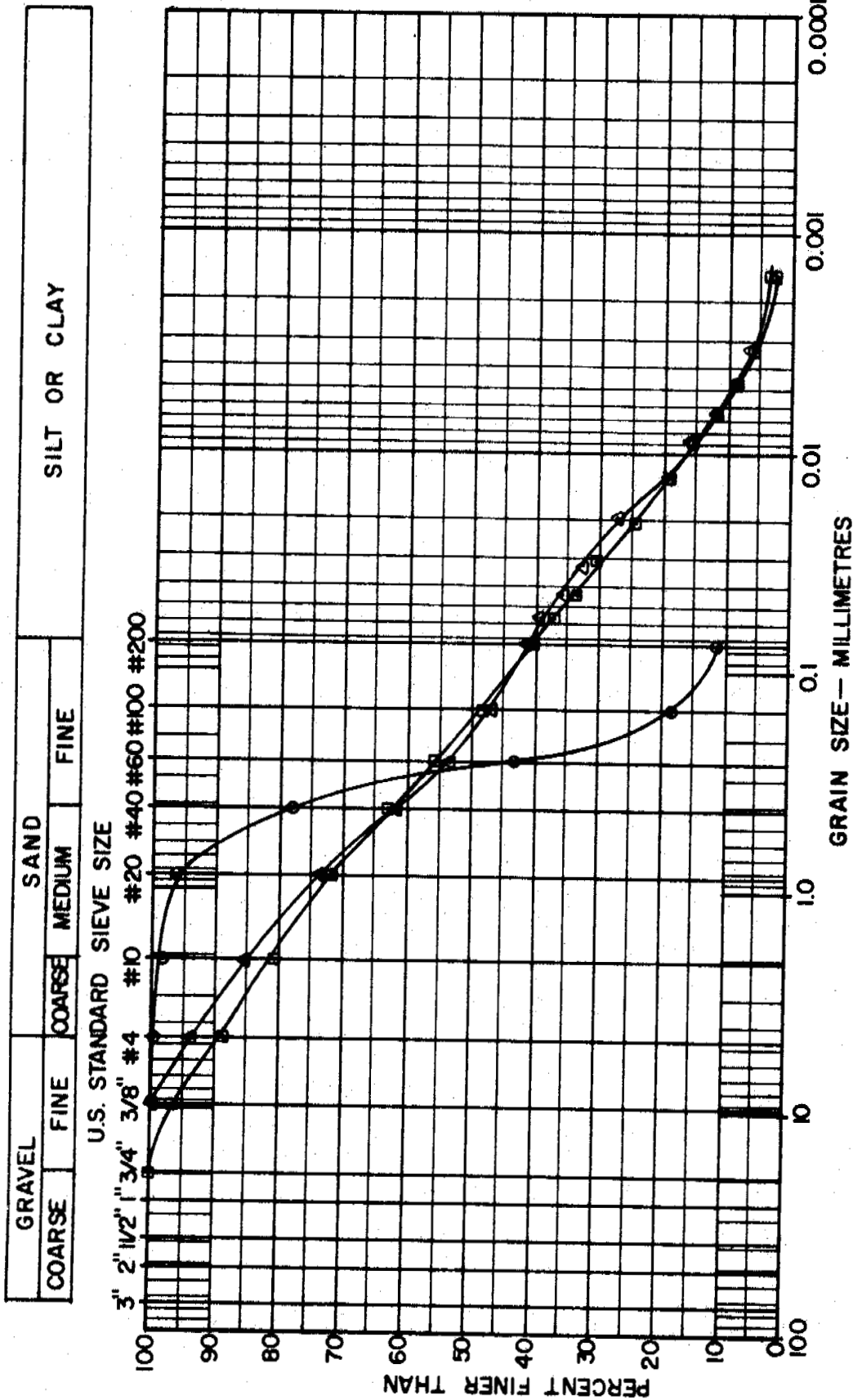
LOCATION 363-C-D

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

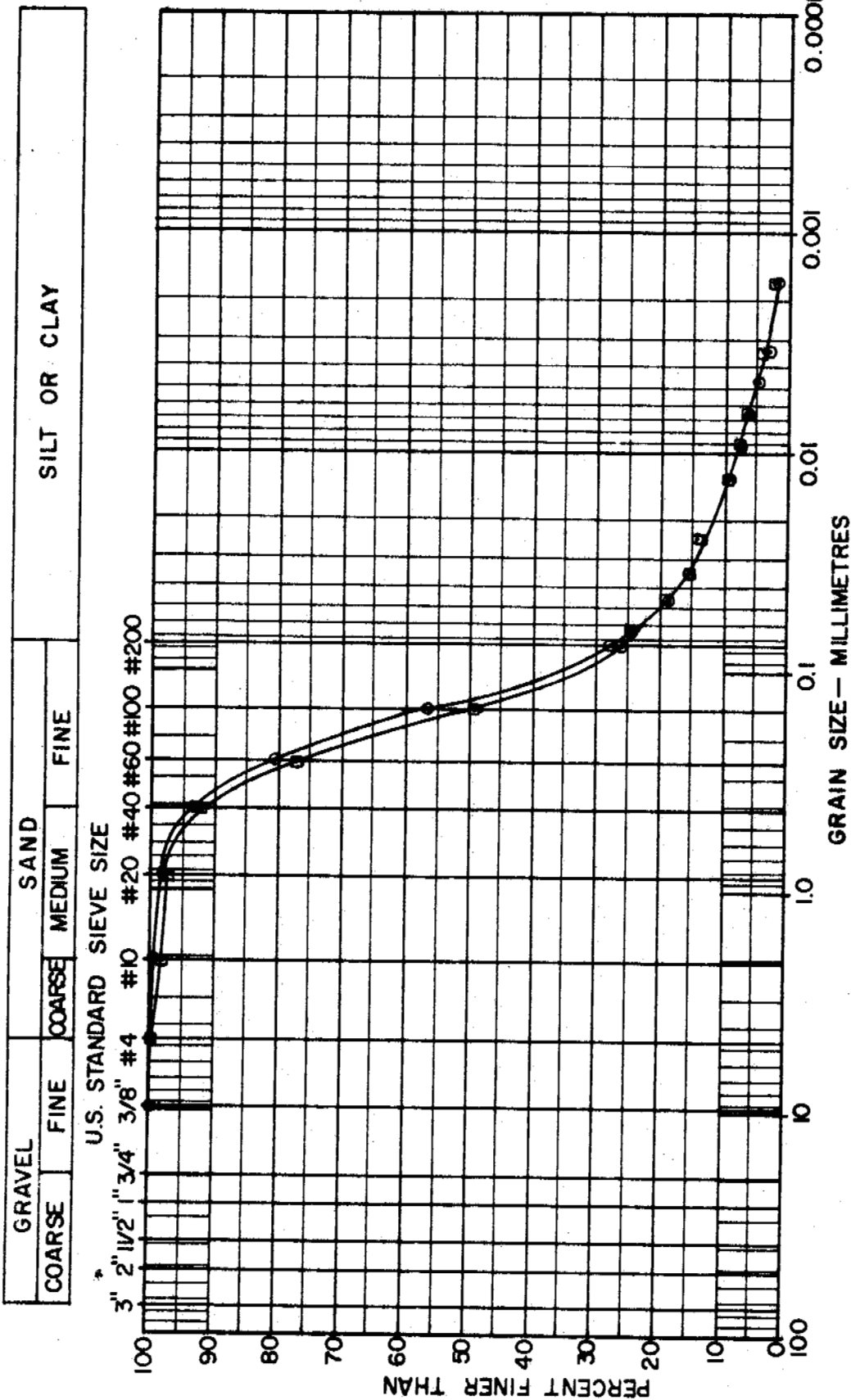
LOCATION 364-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 2 - 10

☐ Sample No. 4 - 20



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

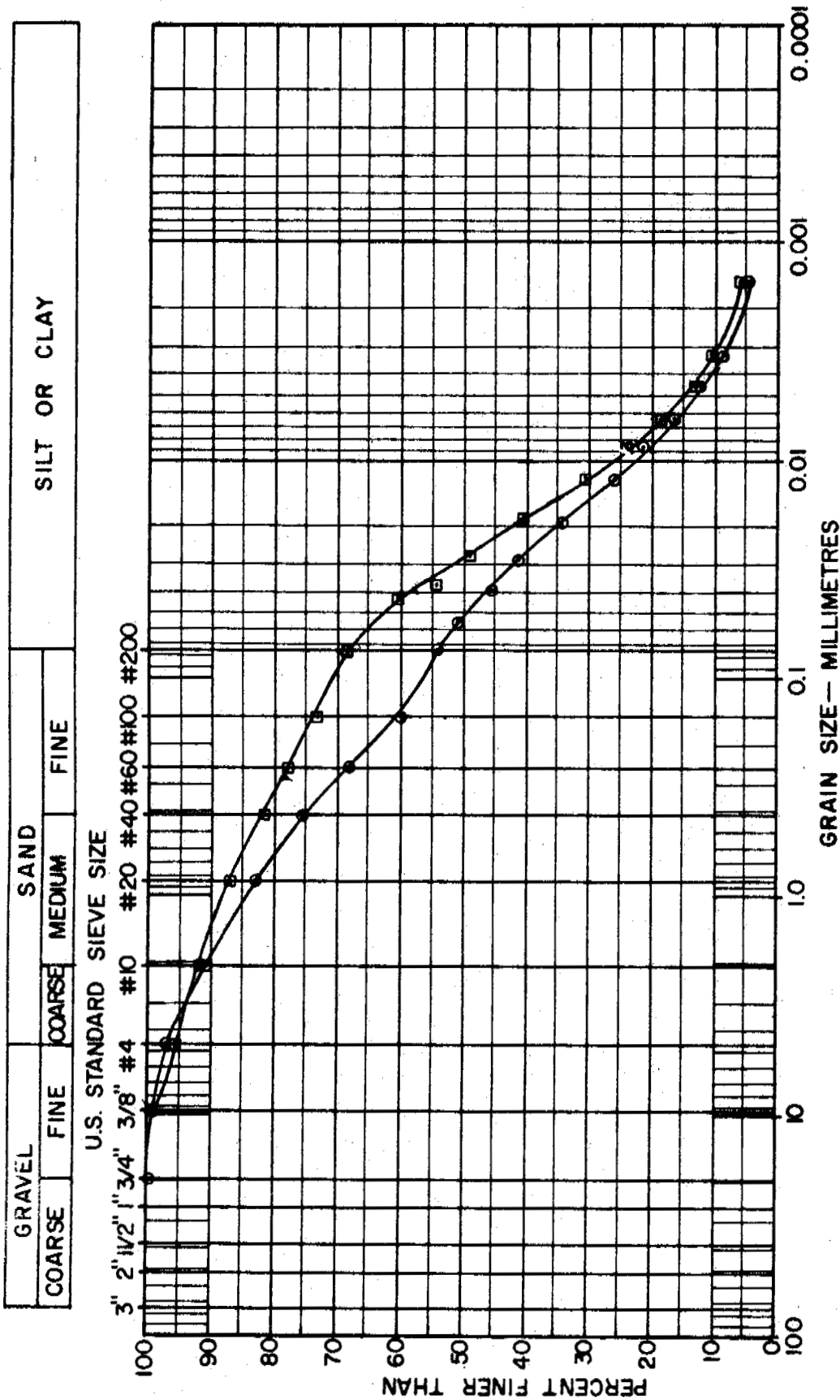
LOCATION 364-C-D

HOLE No.

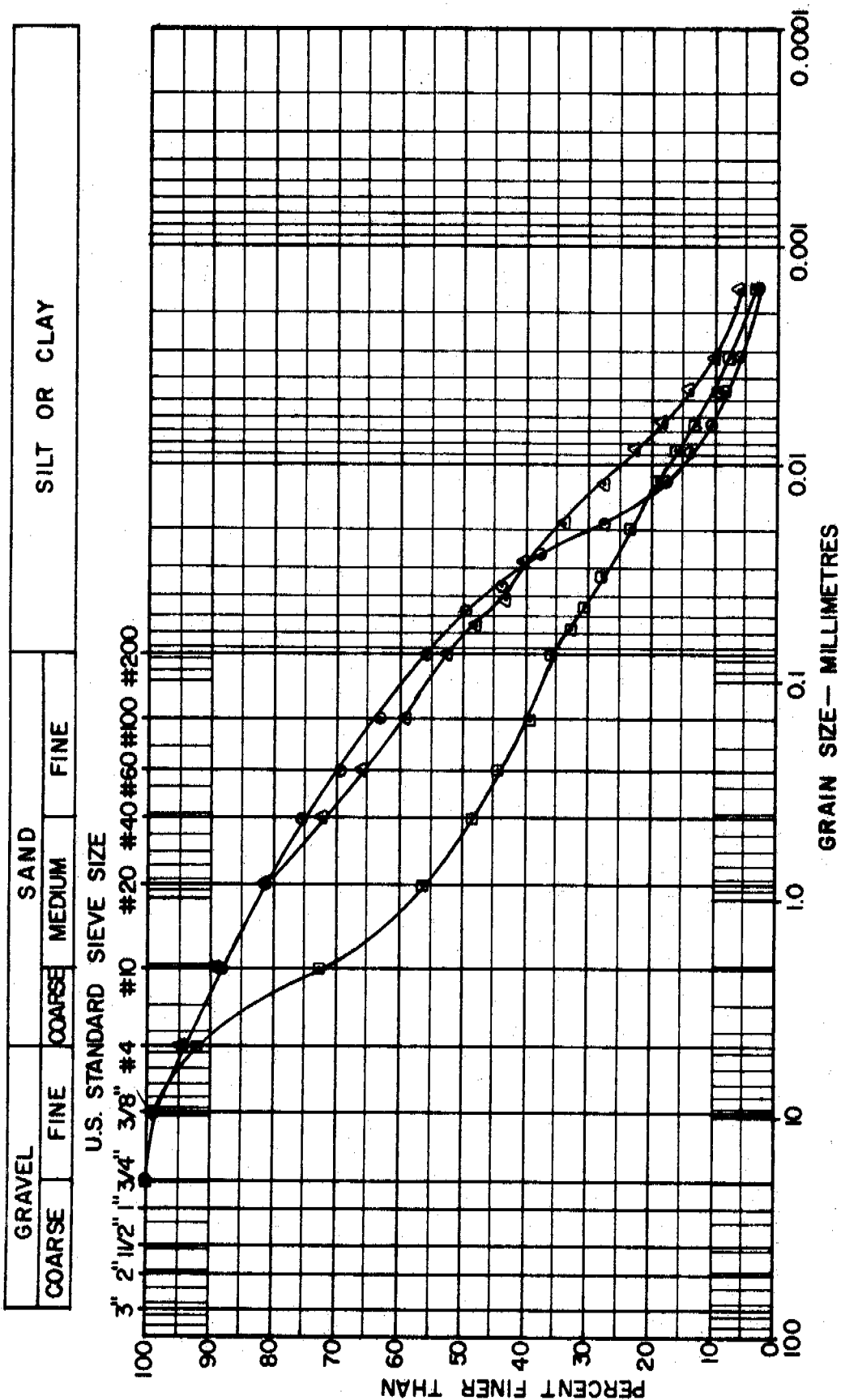
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

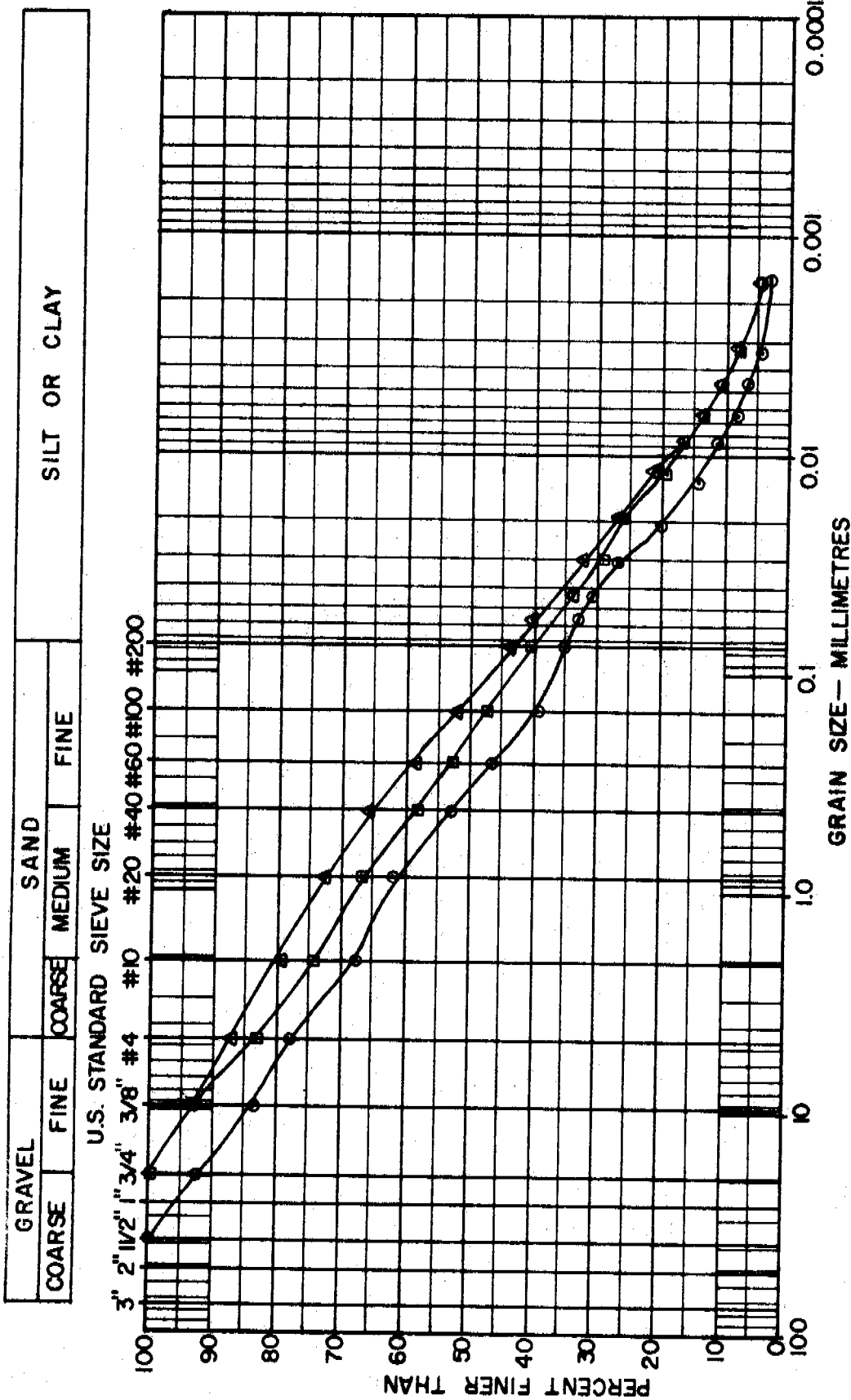
LOCATION 365-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

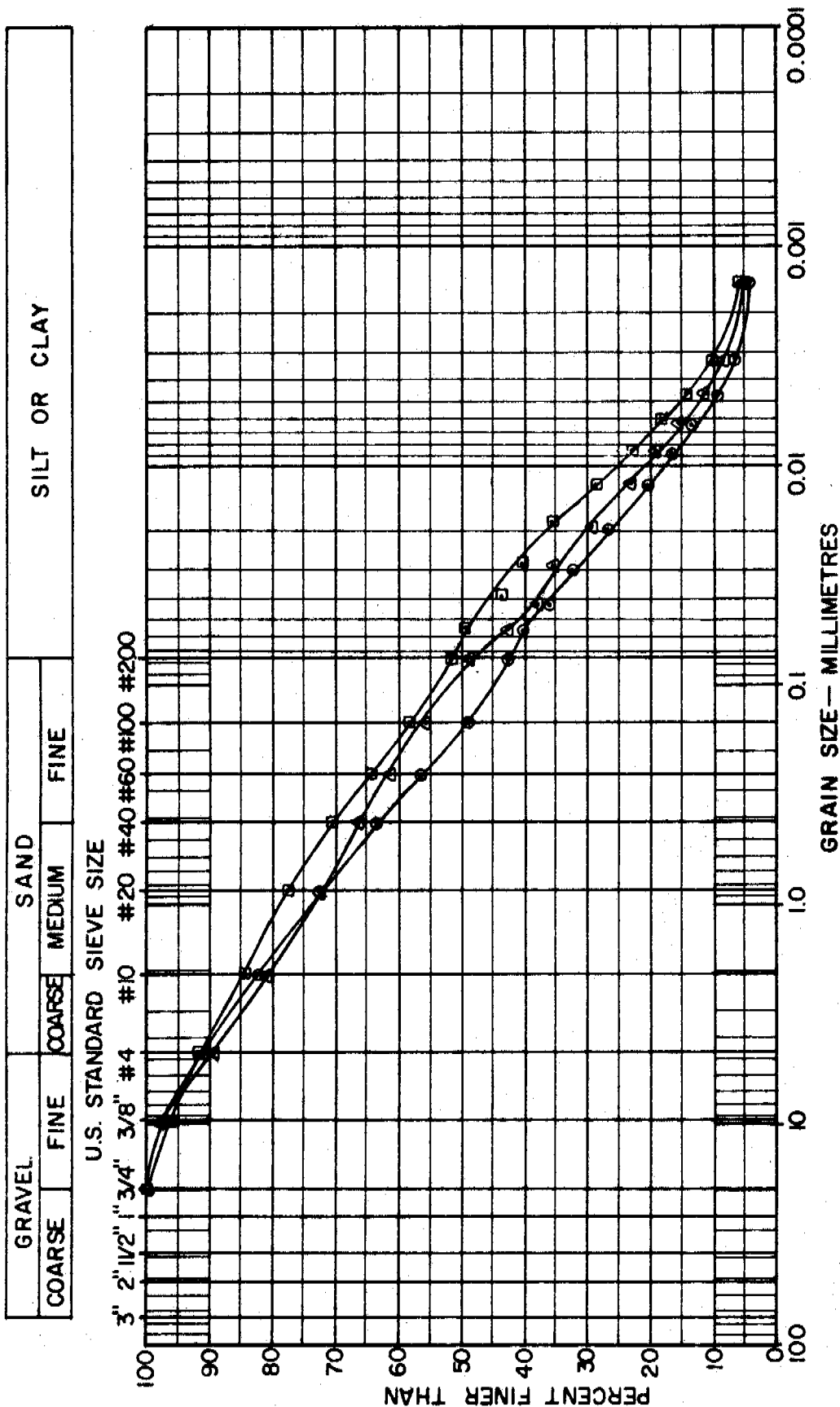
LOCATION 365-C-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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JOB No. AL0307

PROJECT

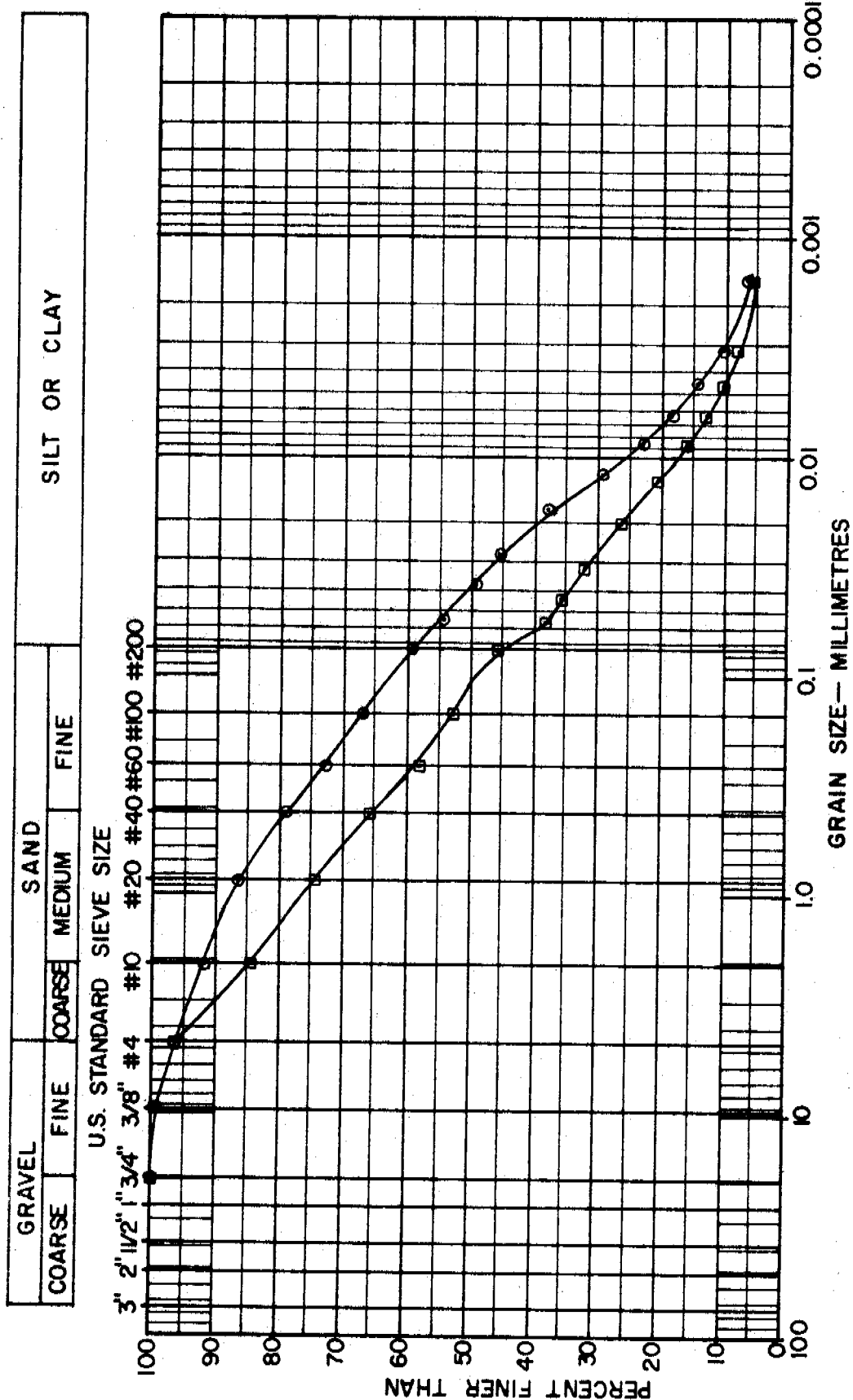
LOCATION 366-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.

☒ Sample No. 2 - 15 ft.



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JOB No. AL0307

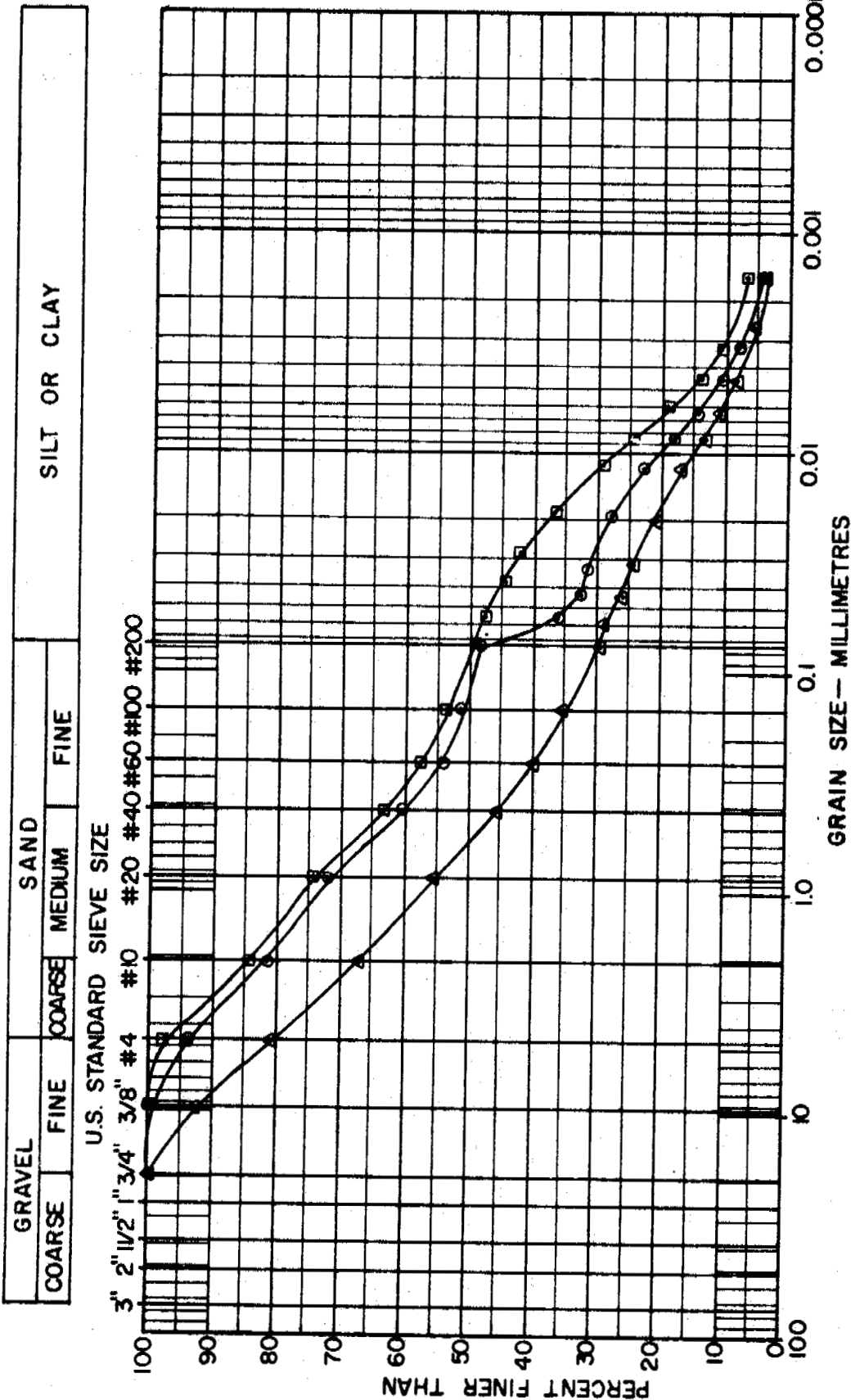
PROJECT

LOCATION 366-C-D

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

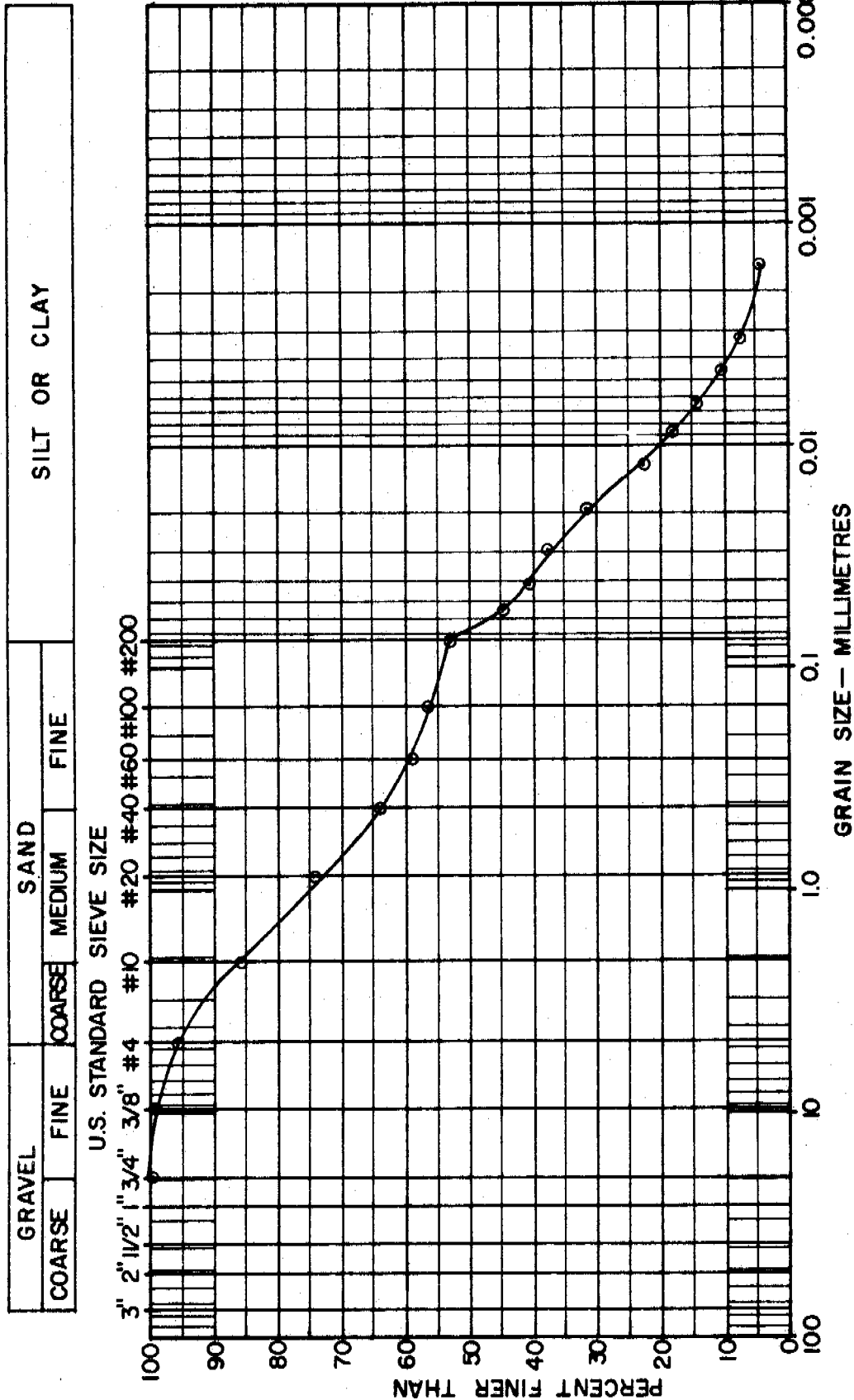
PROJECT

LOCATION 367-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: $\odot$ Sample No. 1 - 5 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

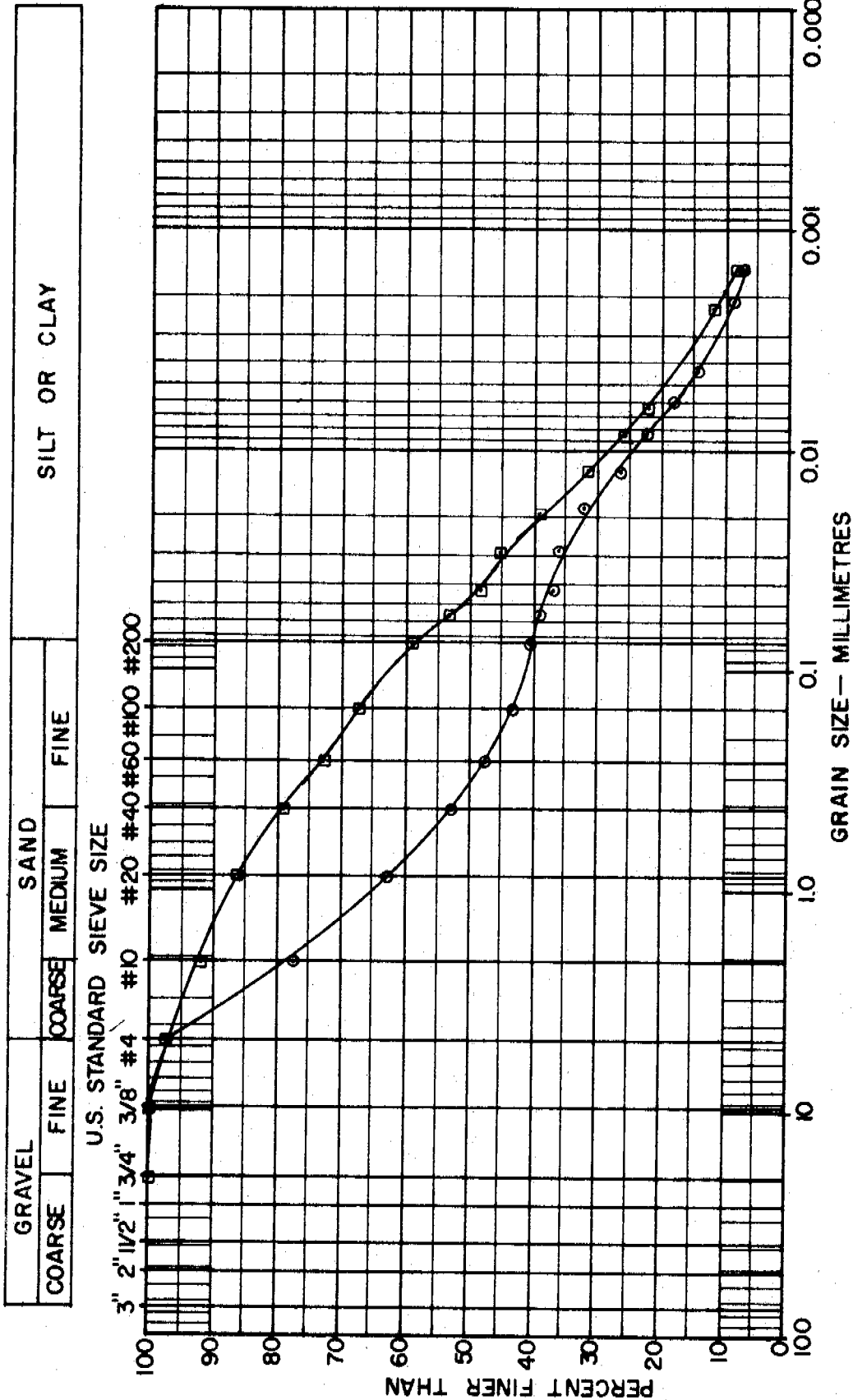
LOCATION 367-C-B

HOLE No.

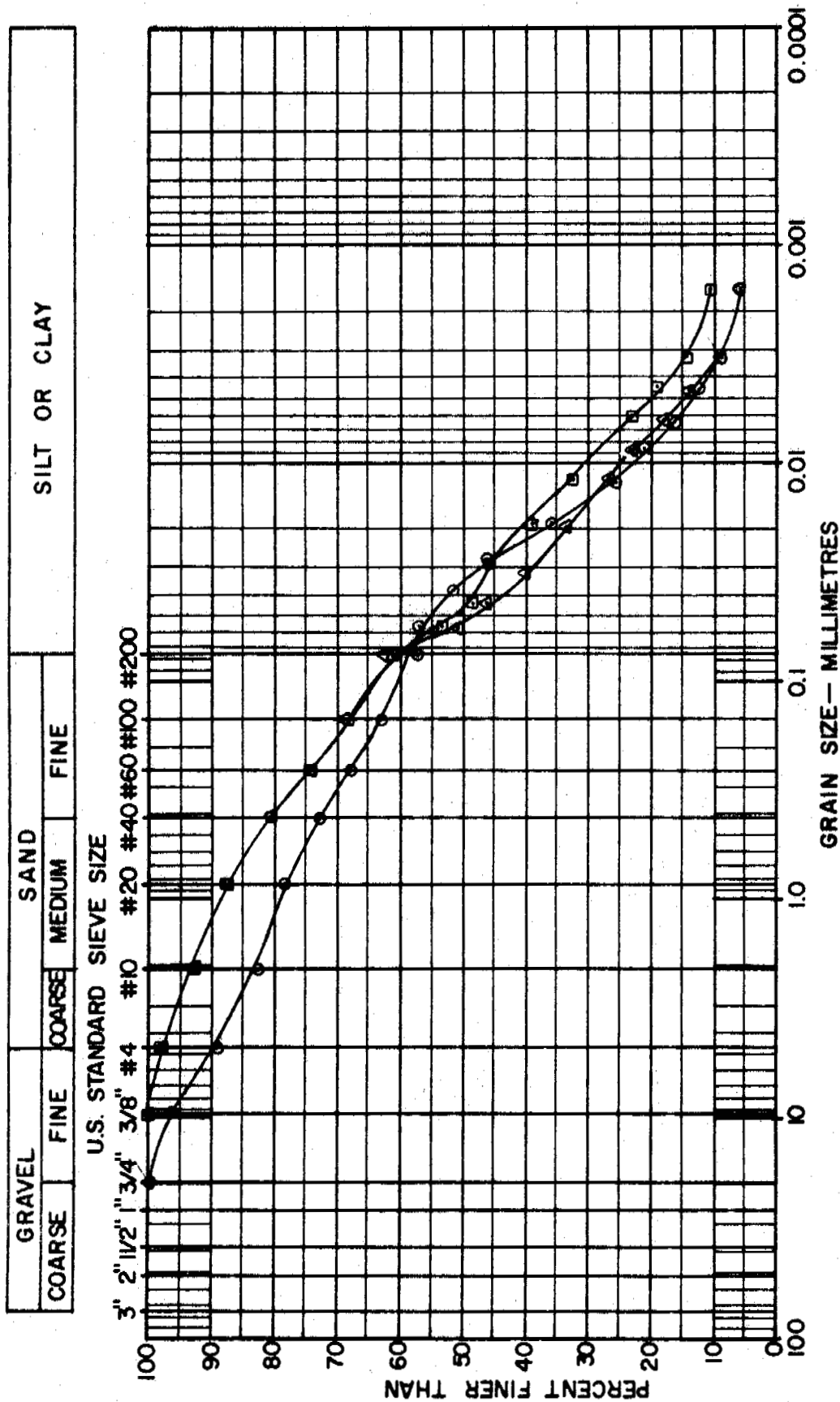
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 3 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

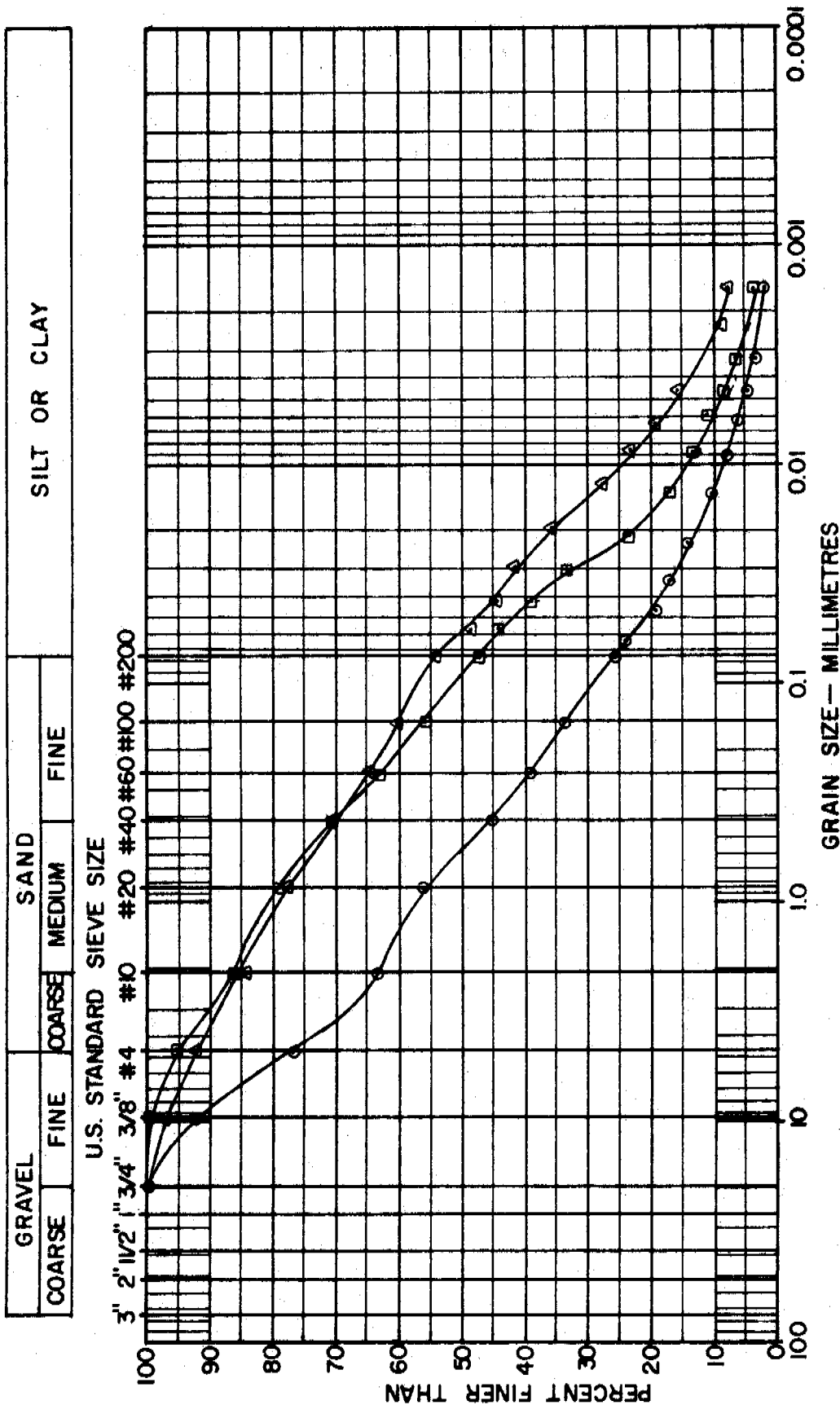
LOCATION 367-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

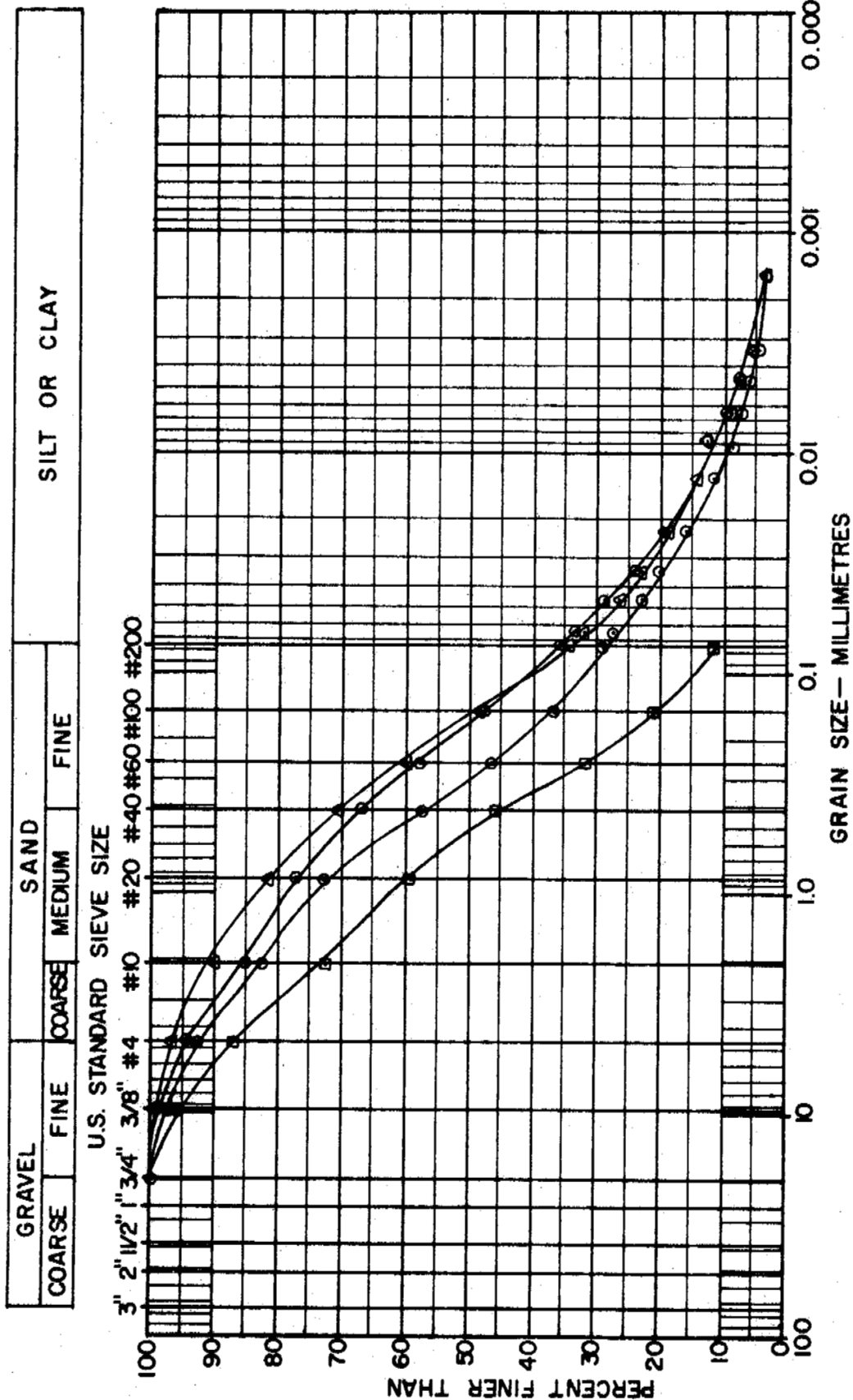
PROJECT

LOCATION 368-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.

◇ Sample No. 4 - 20 ft.



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JOB No. AL0307

PROJECT

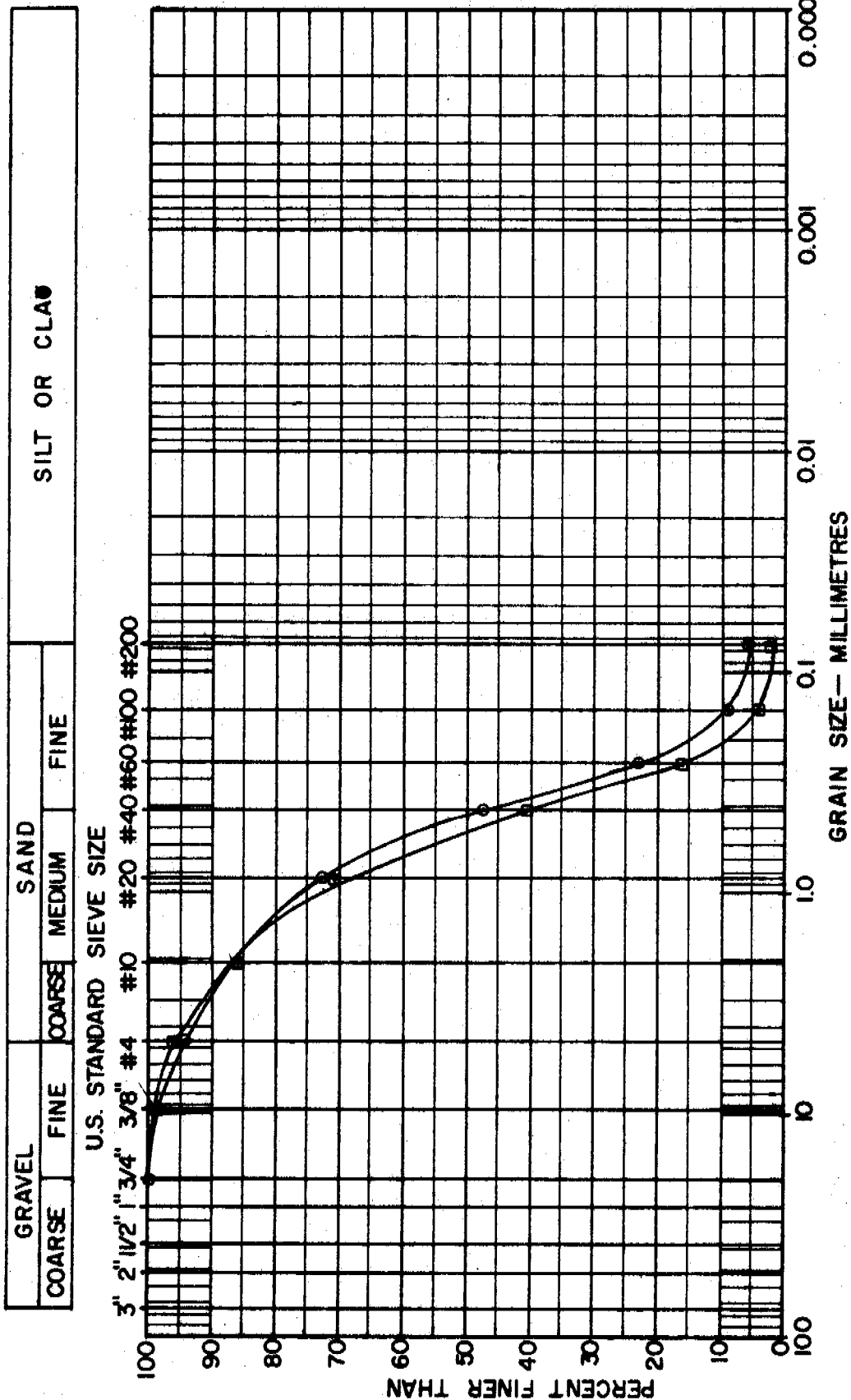
LOCATION 368-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

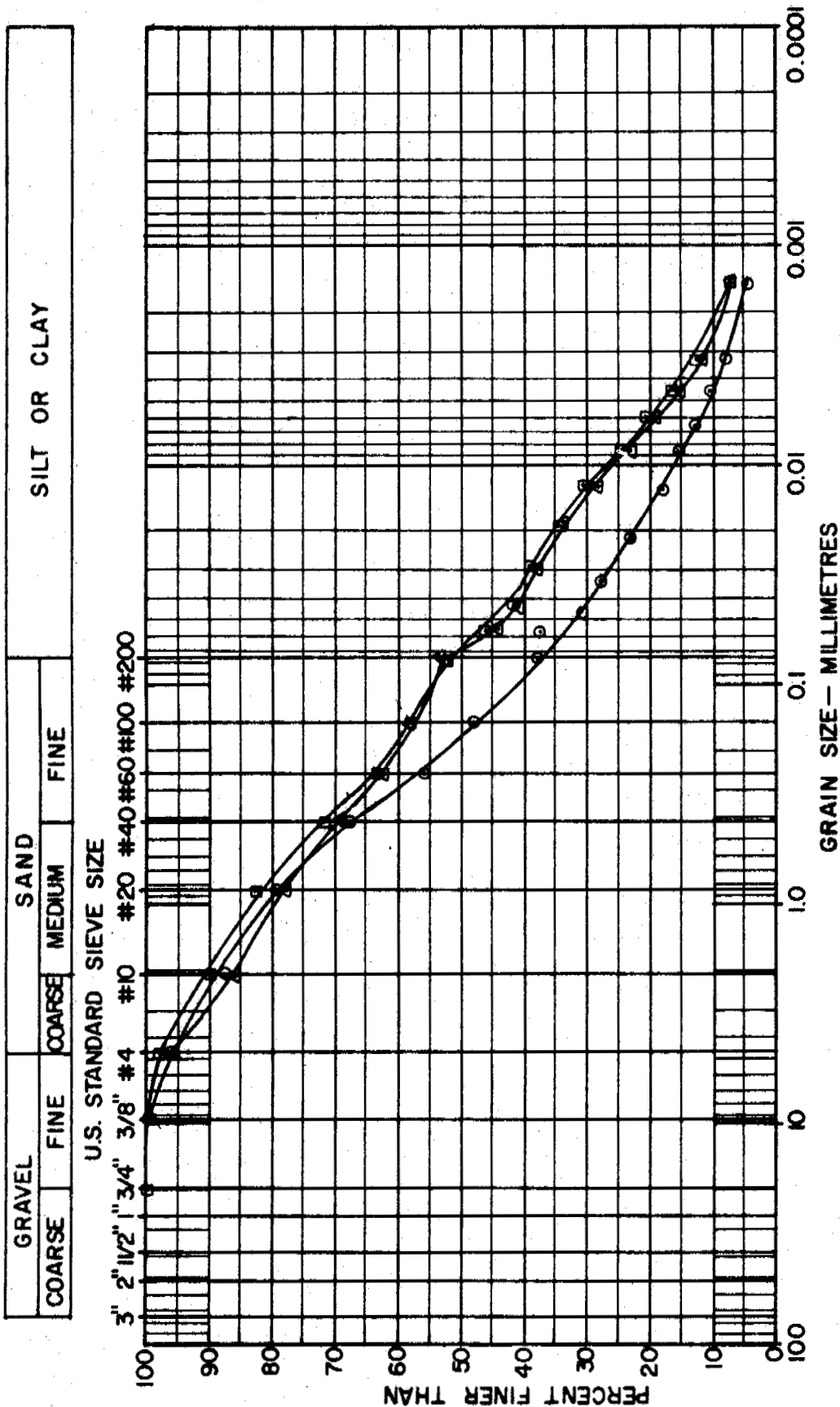
LOCATION 369-S-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

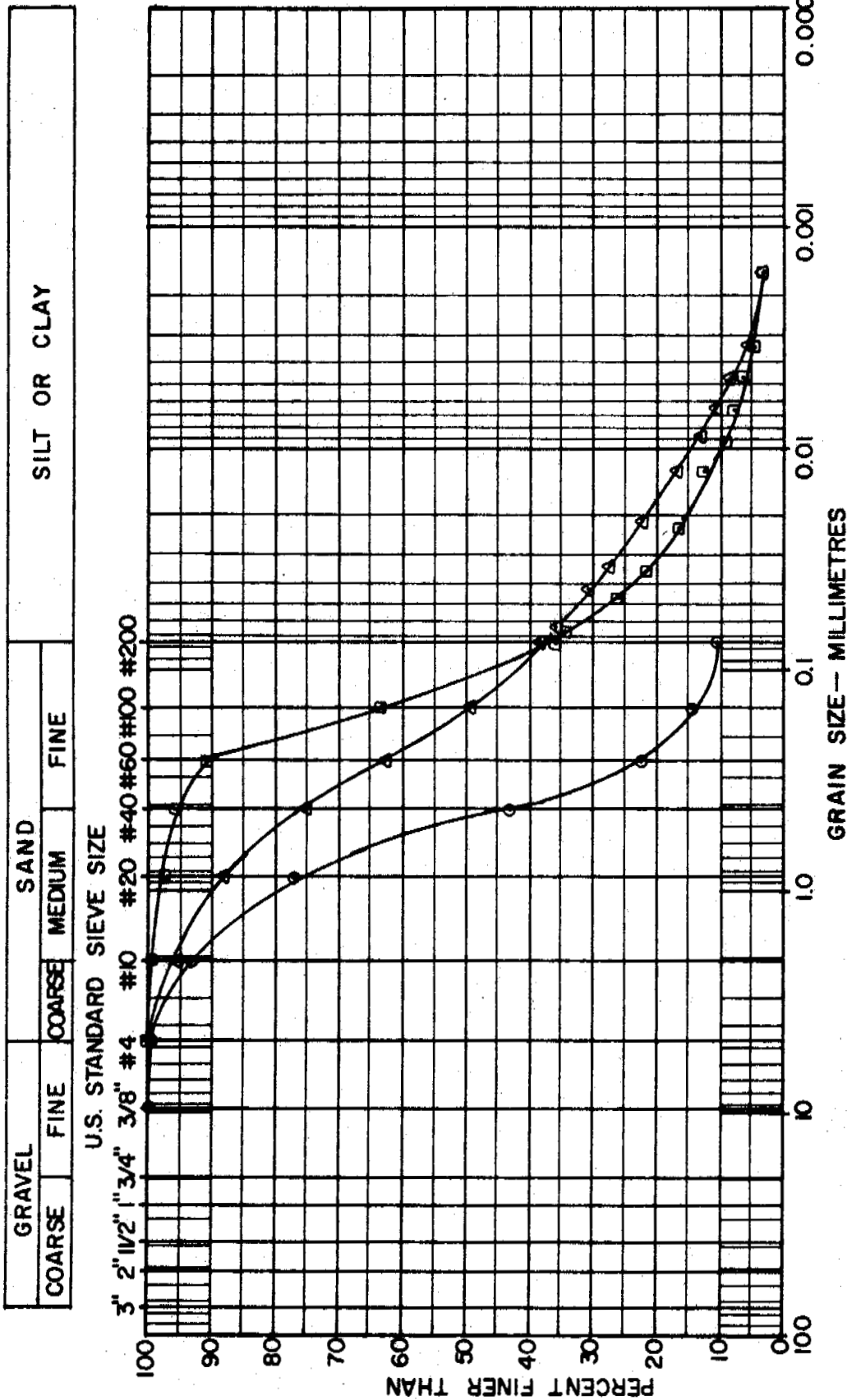
PROJECT

LOCATION 369-S-E

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 11 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

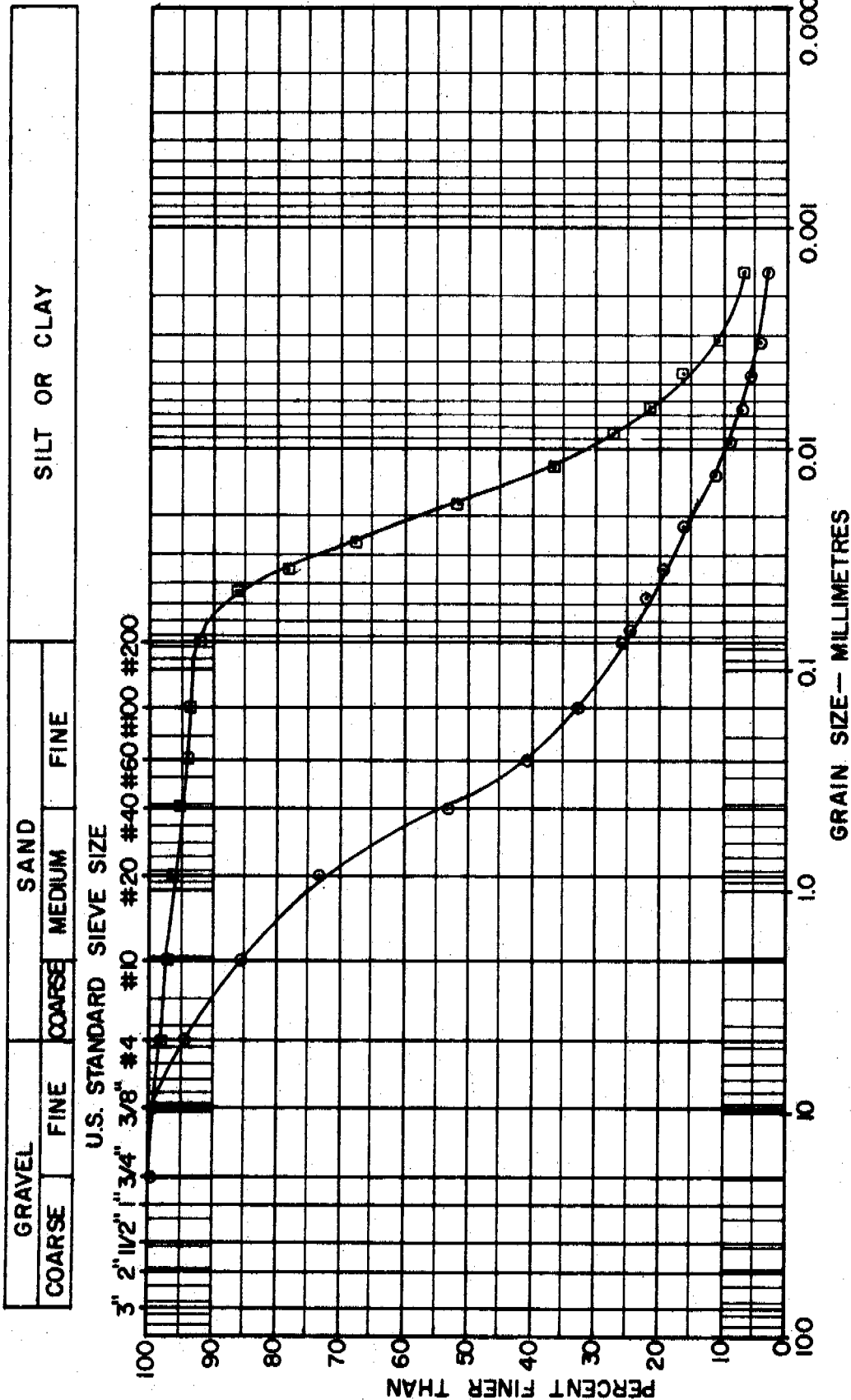
LOCATION 370-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 2 - 11 ft.

☐ Sample No. 3 - 15 ft.



JOB No. AL0307

PROJECT

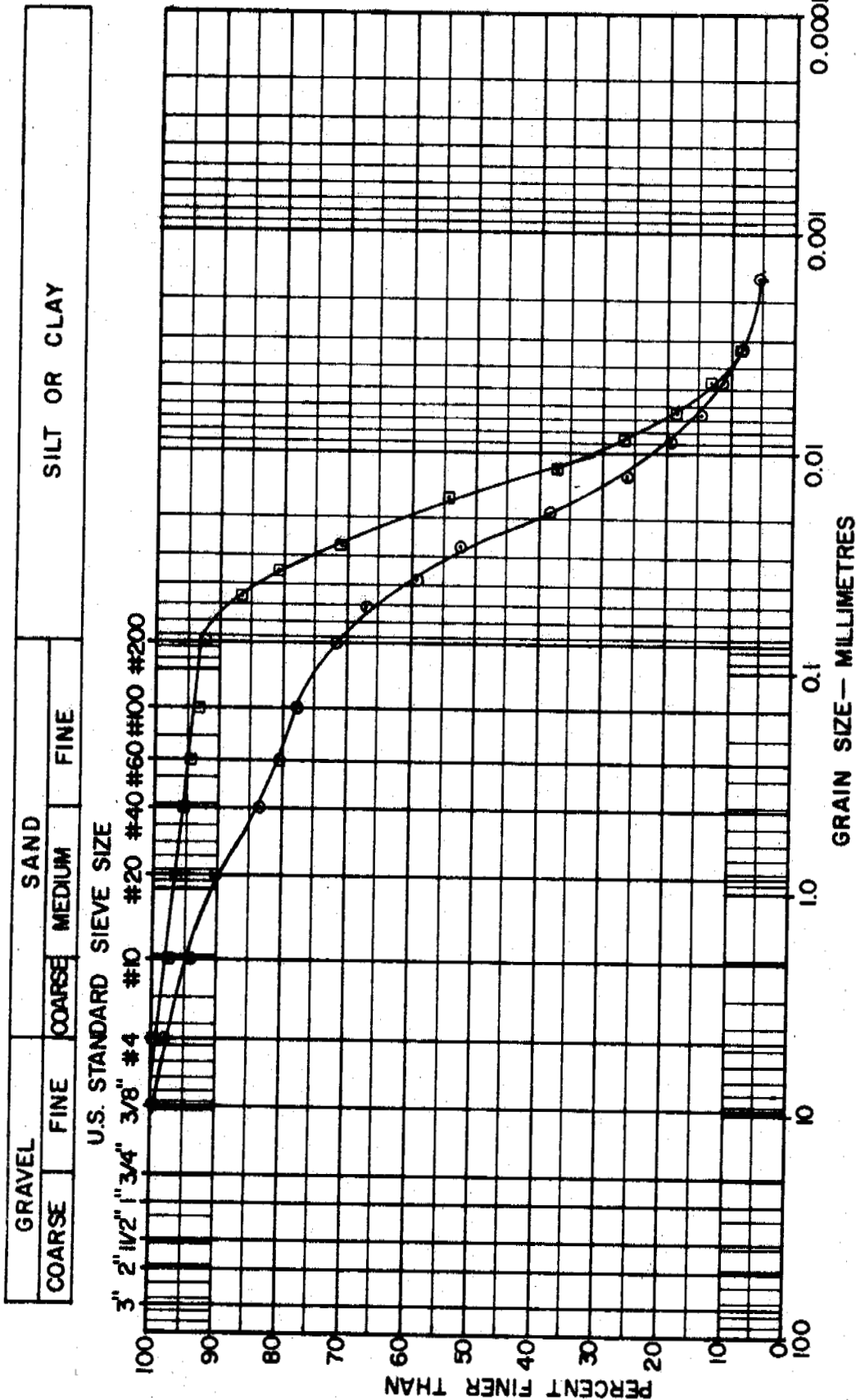
LOCATION 370-C-D

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: $\circ$ Sample No. 1 - 5 ft.

$\square$ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

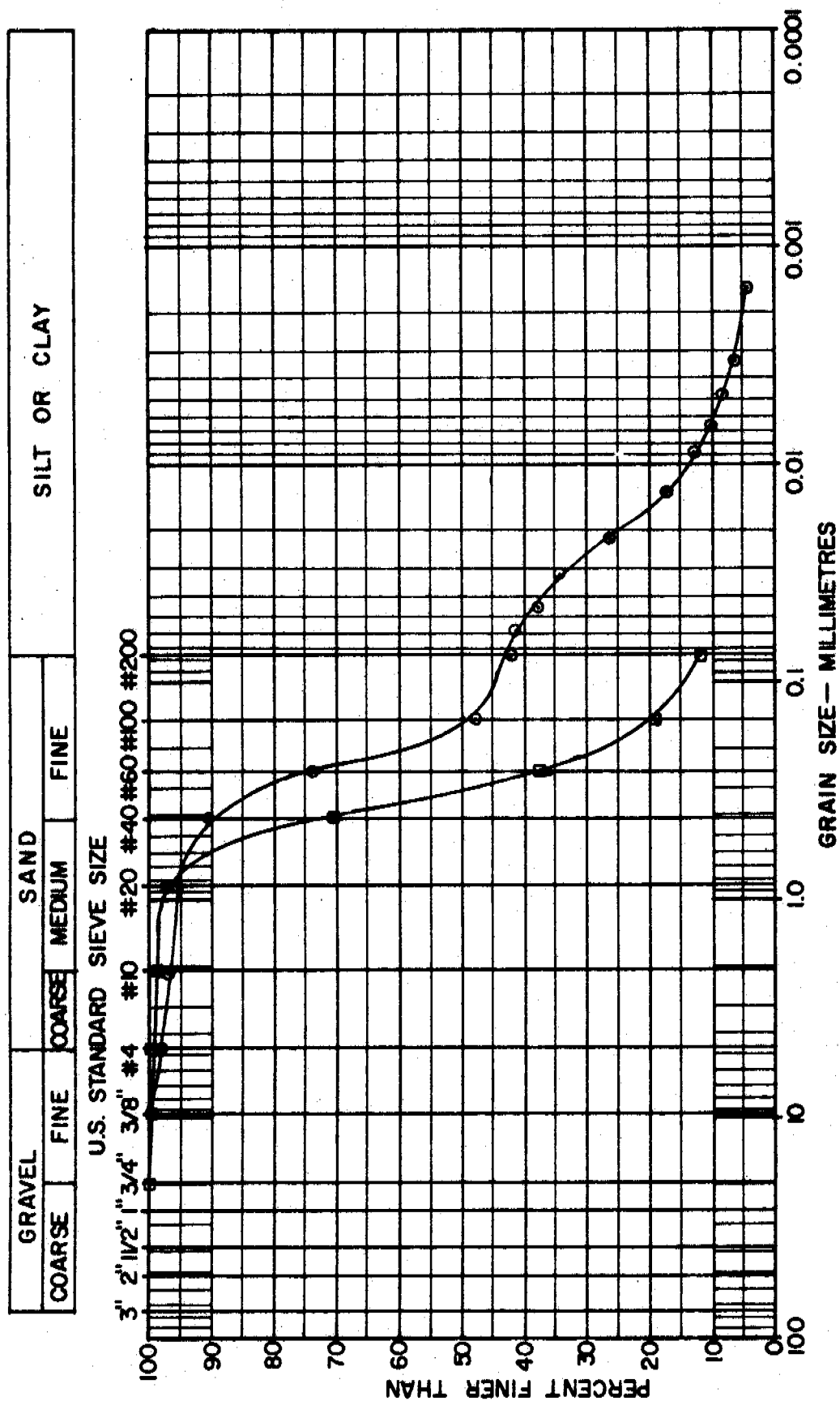
LOCATION 371-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: 0 Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

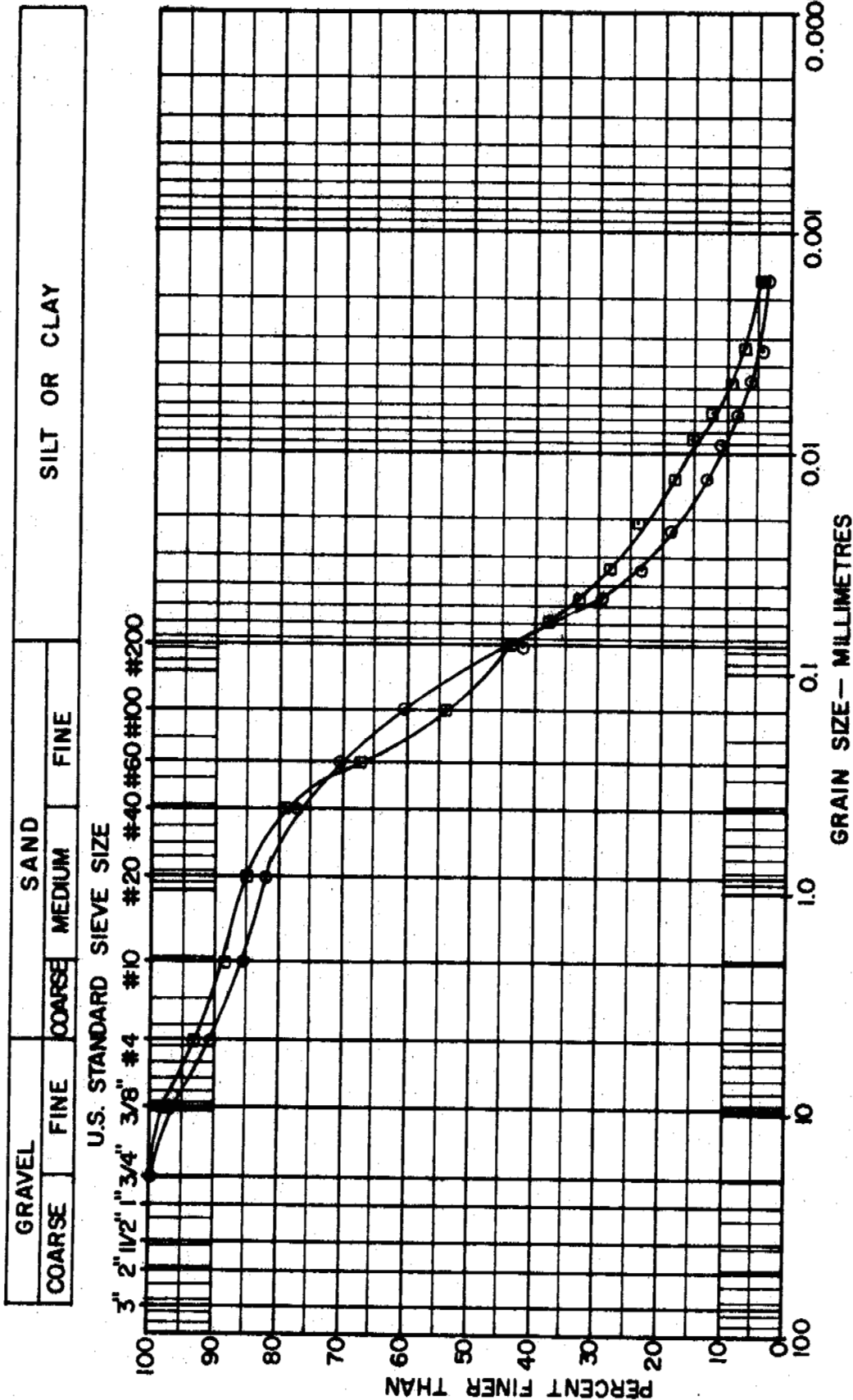
LOCATION 371-C-D

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 6 ft.

☐ Sample No. 2 - 10 ft.



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JOB No. AL0307

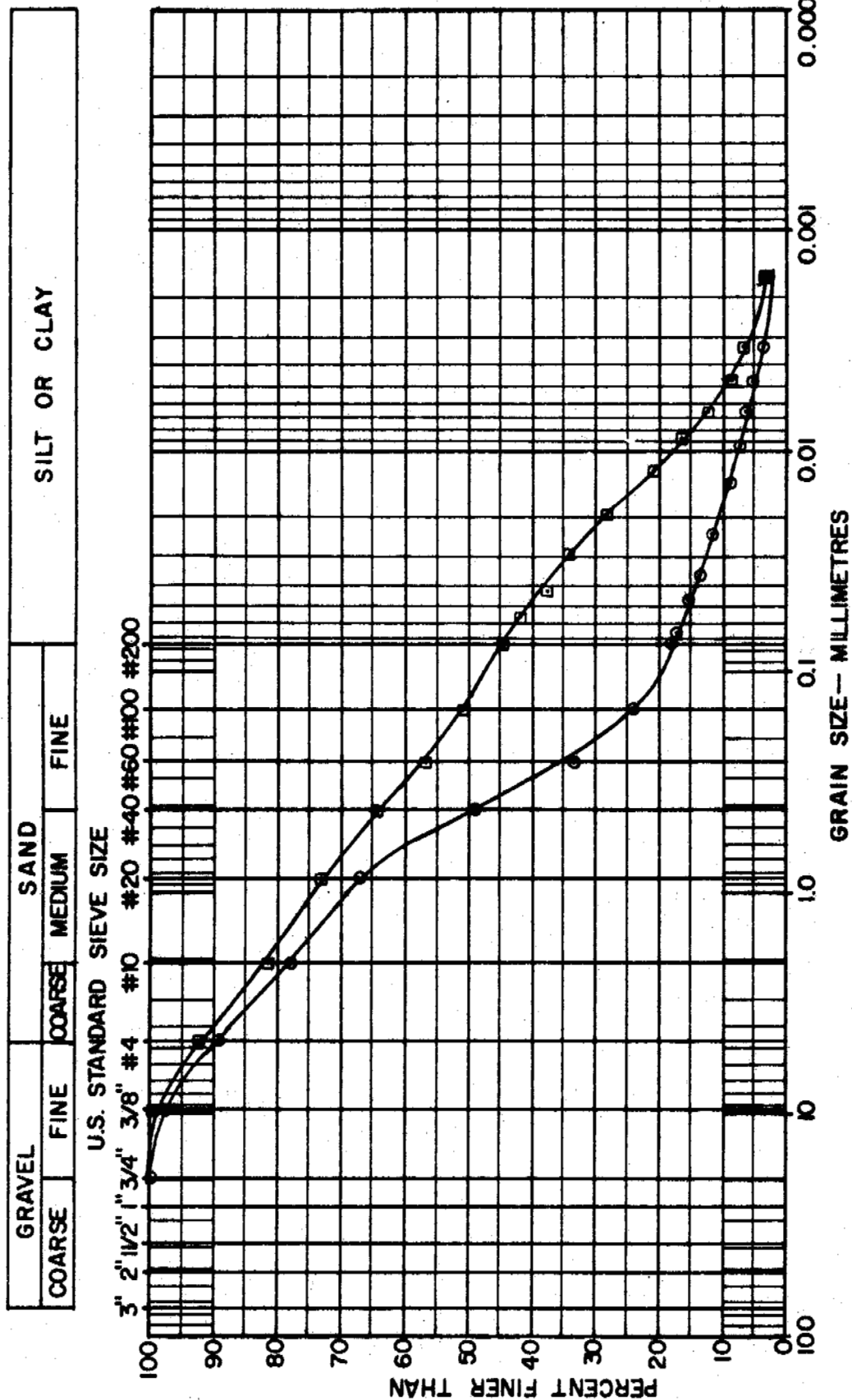
PROJECT

LOCATION 371-S-G

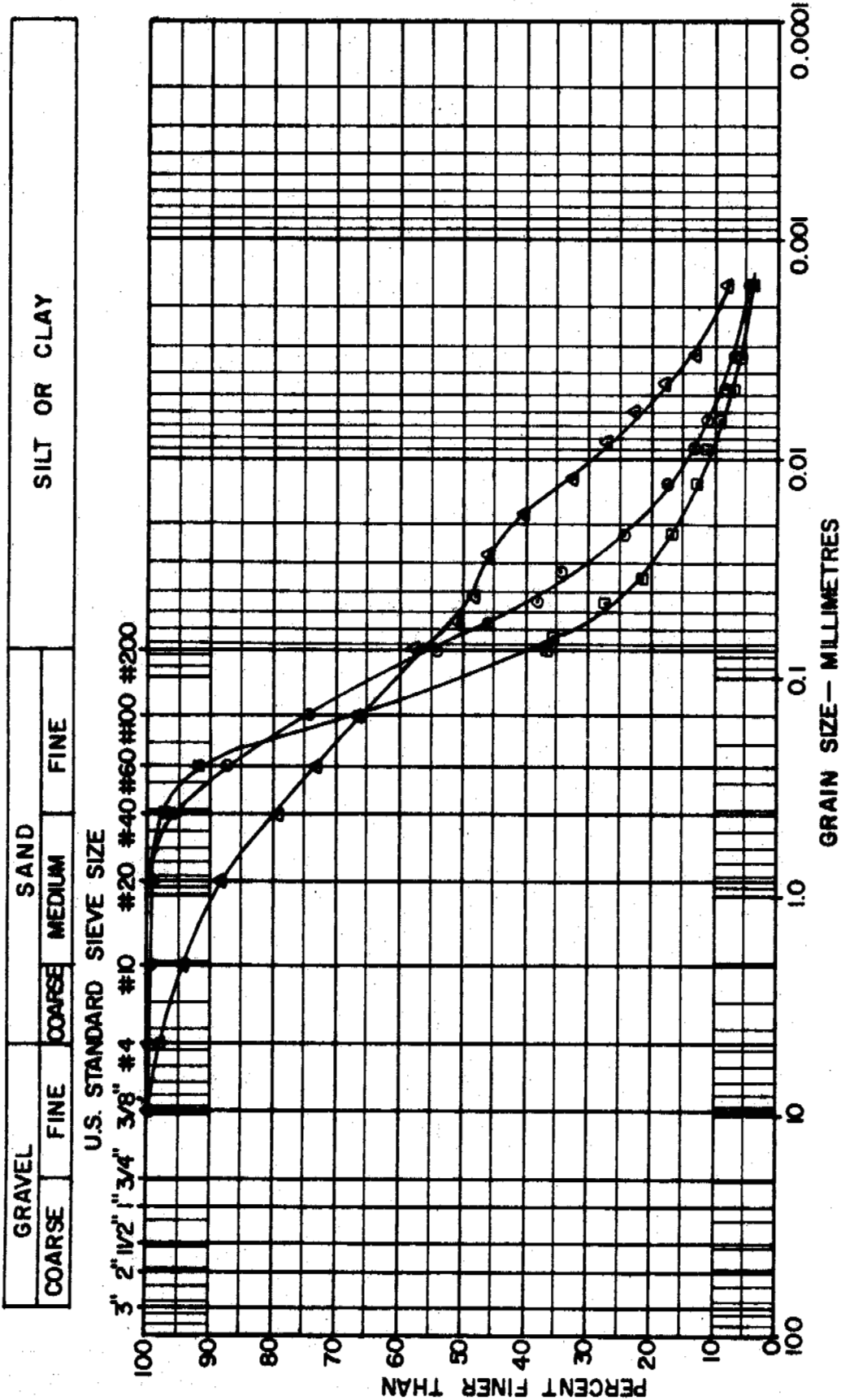
HOLE No. DEPTH

DATE

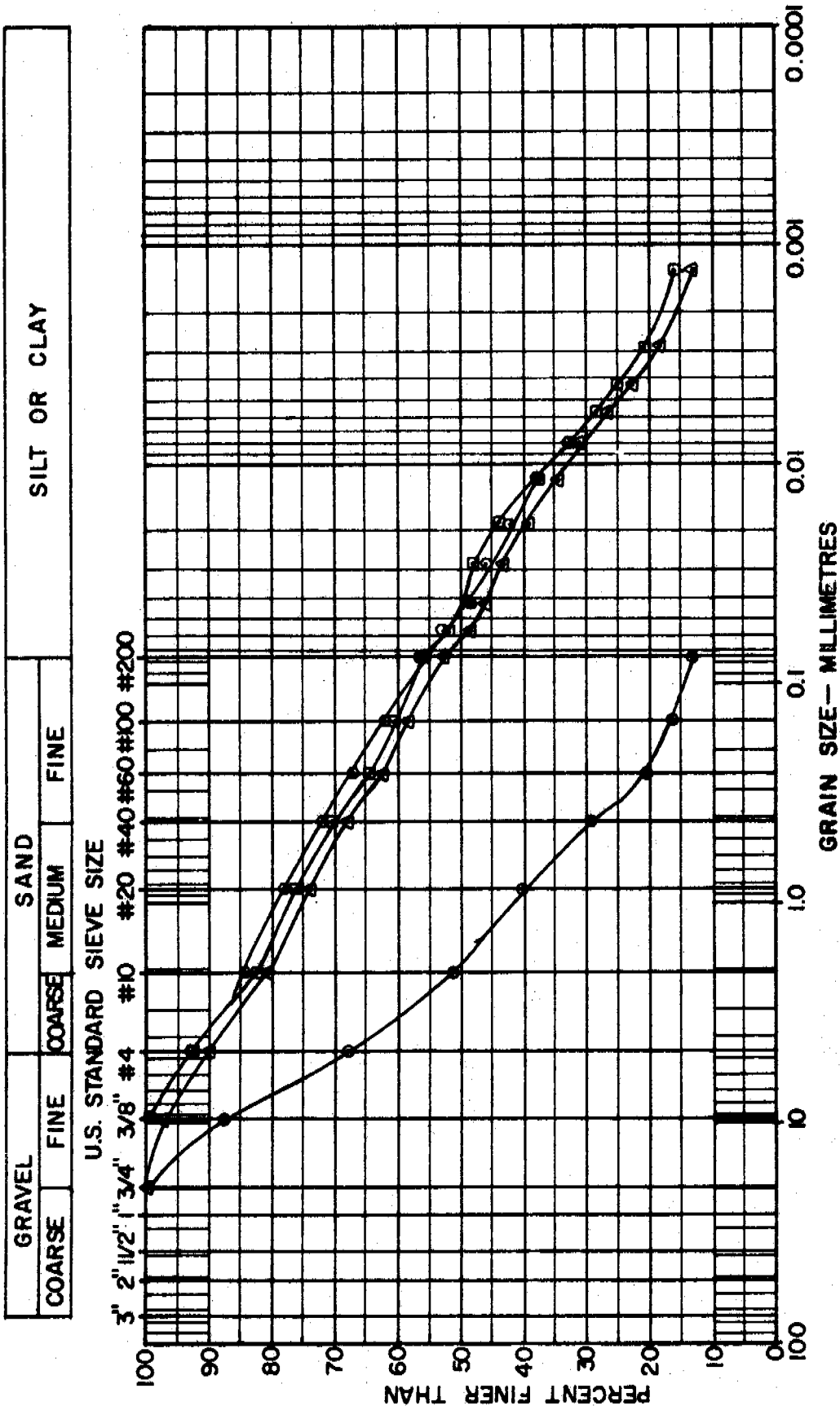
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.

● Sample No. 4 - 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

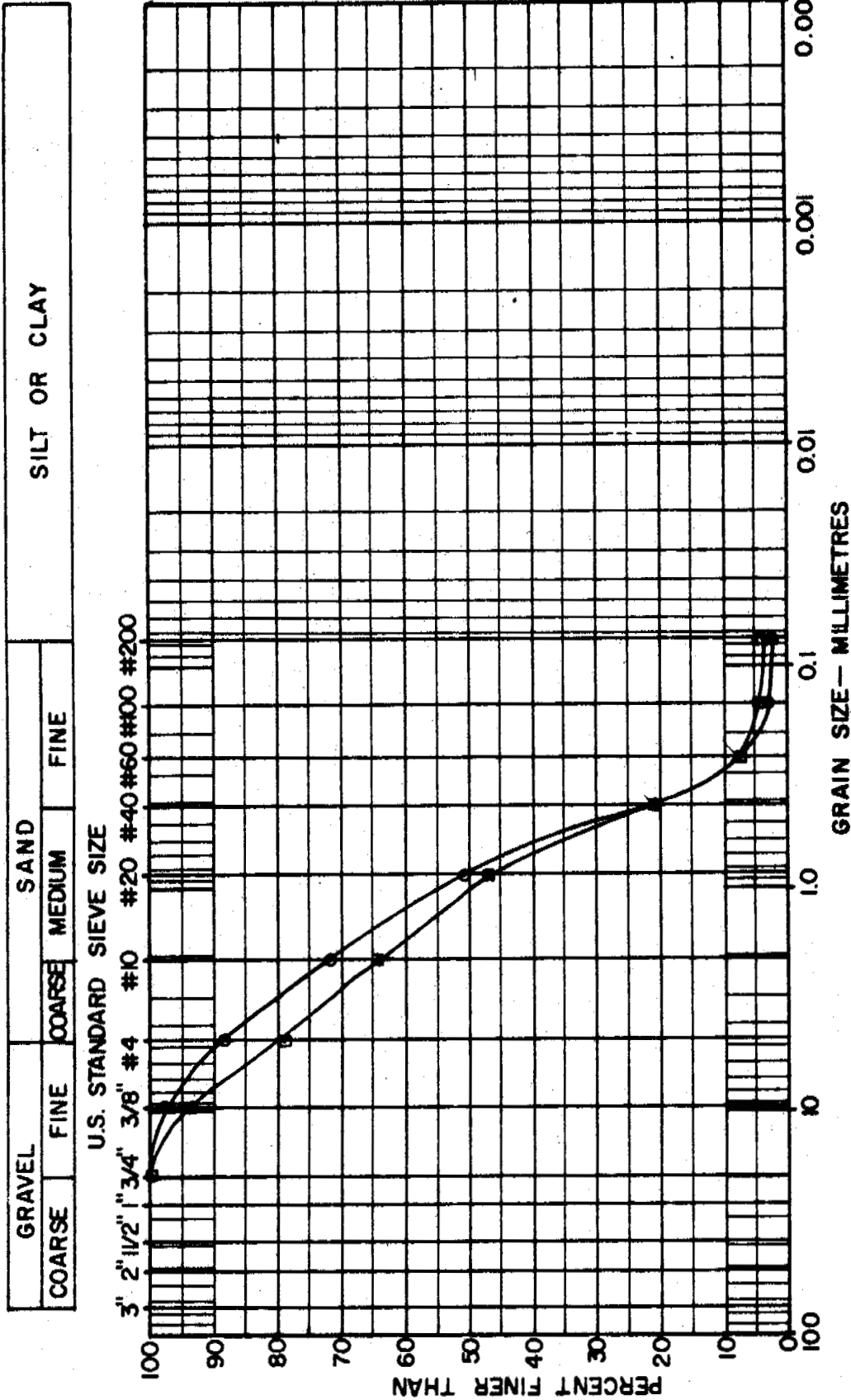
LOCATION 372-S-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



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JOB No. AL0307

PROJECT

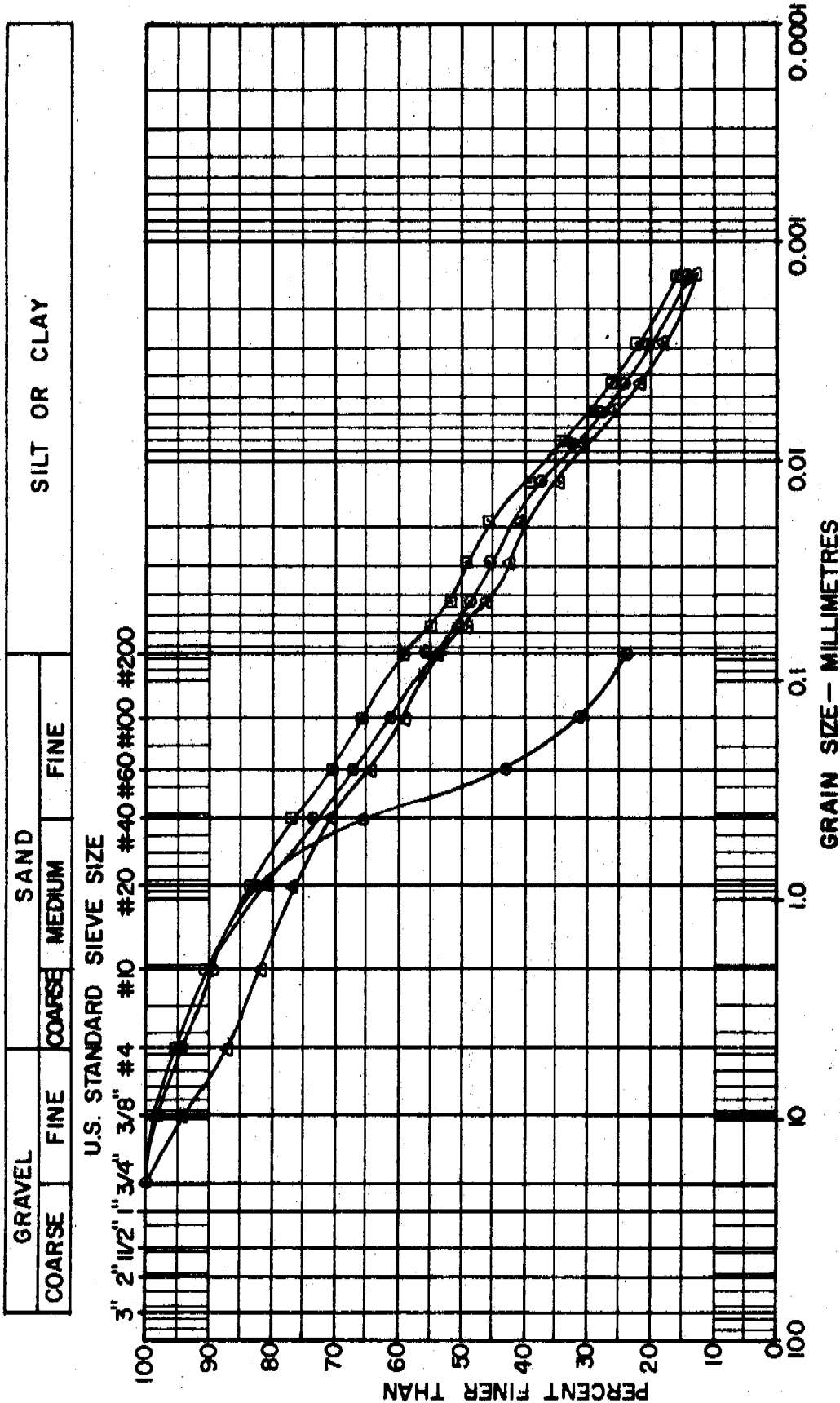
LOCATION 372-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 3 - 15 ft.

△ Sample No. 6 - 30 ft.

● Sample No. 4 - 20 ft.



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JOB No. AL0307

PROJECT

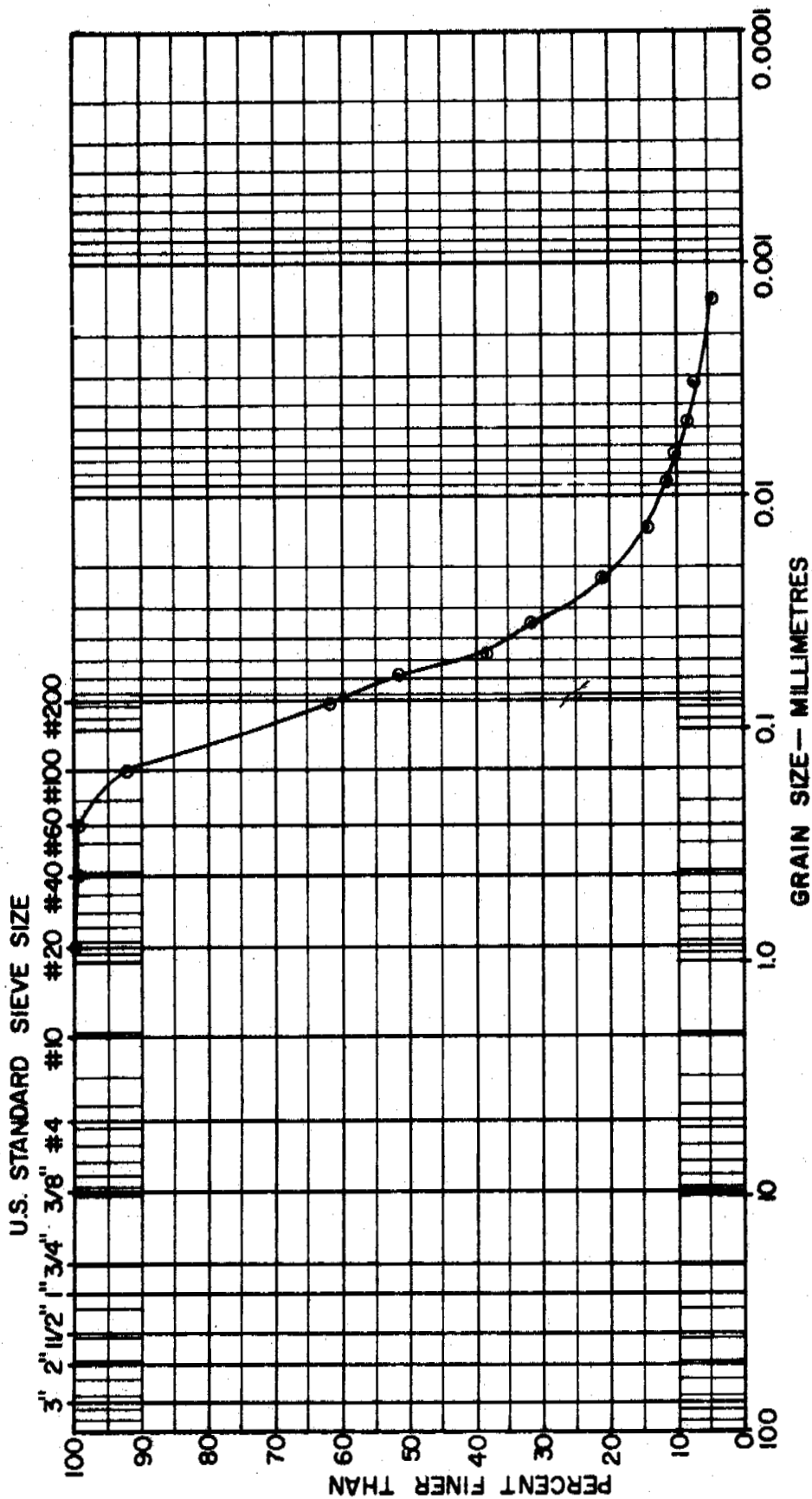
LOCATION 372-C-D

HOLE No.

DEPTH

DATE

GRAVEL		SAND		SILT OR CLAY
COARSE	FINE	COARSE	FINE	



REMARKS: @ Sample No. 2 - 10 ft.



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JOB No. AL0307

PROJECT

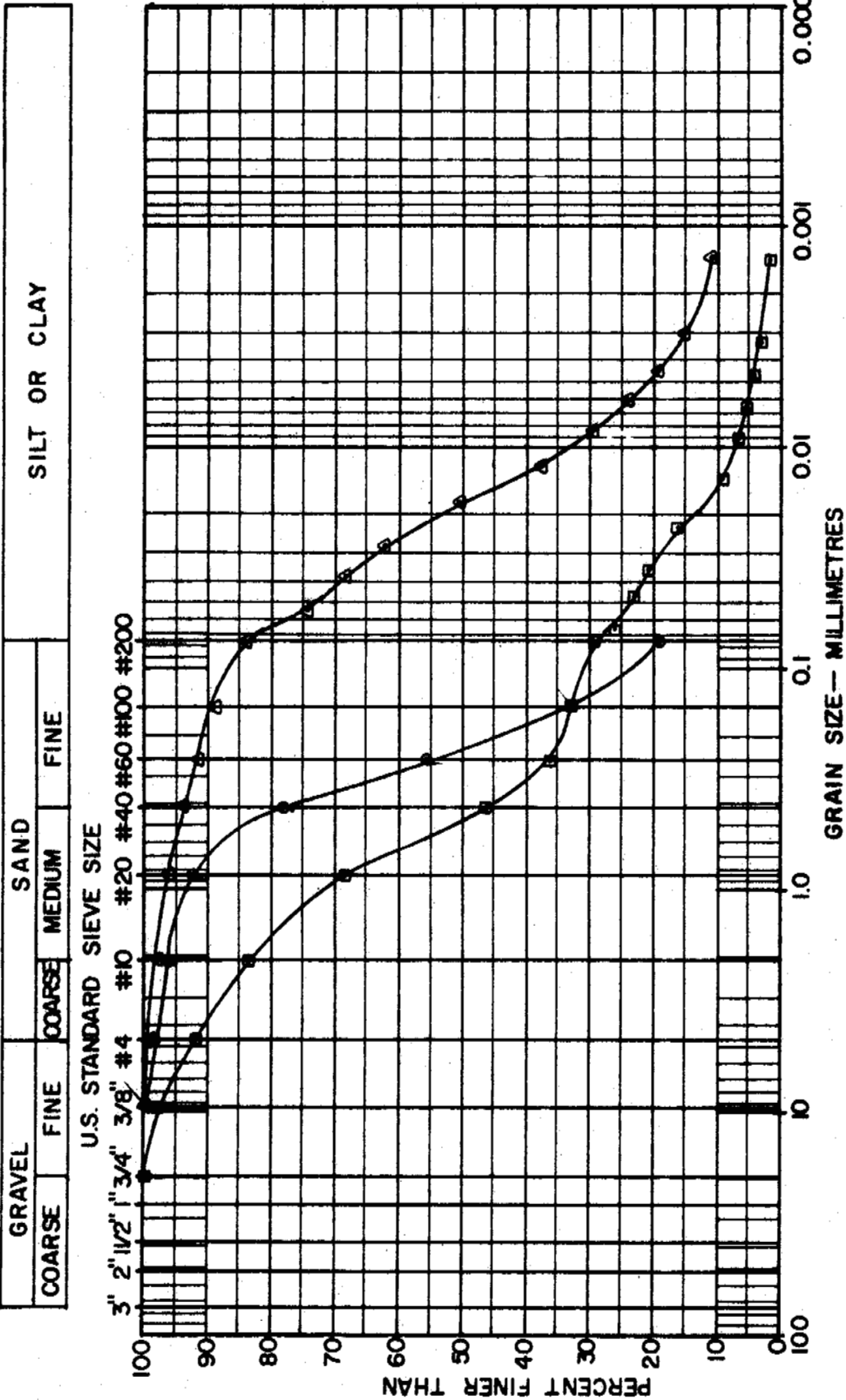
LOCATION 373-C-A

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.

Sample No. 3 - 20 ft.

Sample No. 2 - 15 ft.



JOB No. AL0307

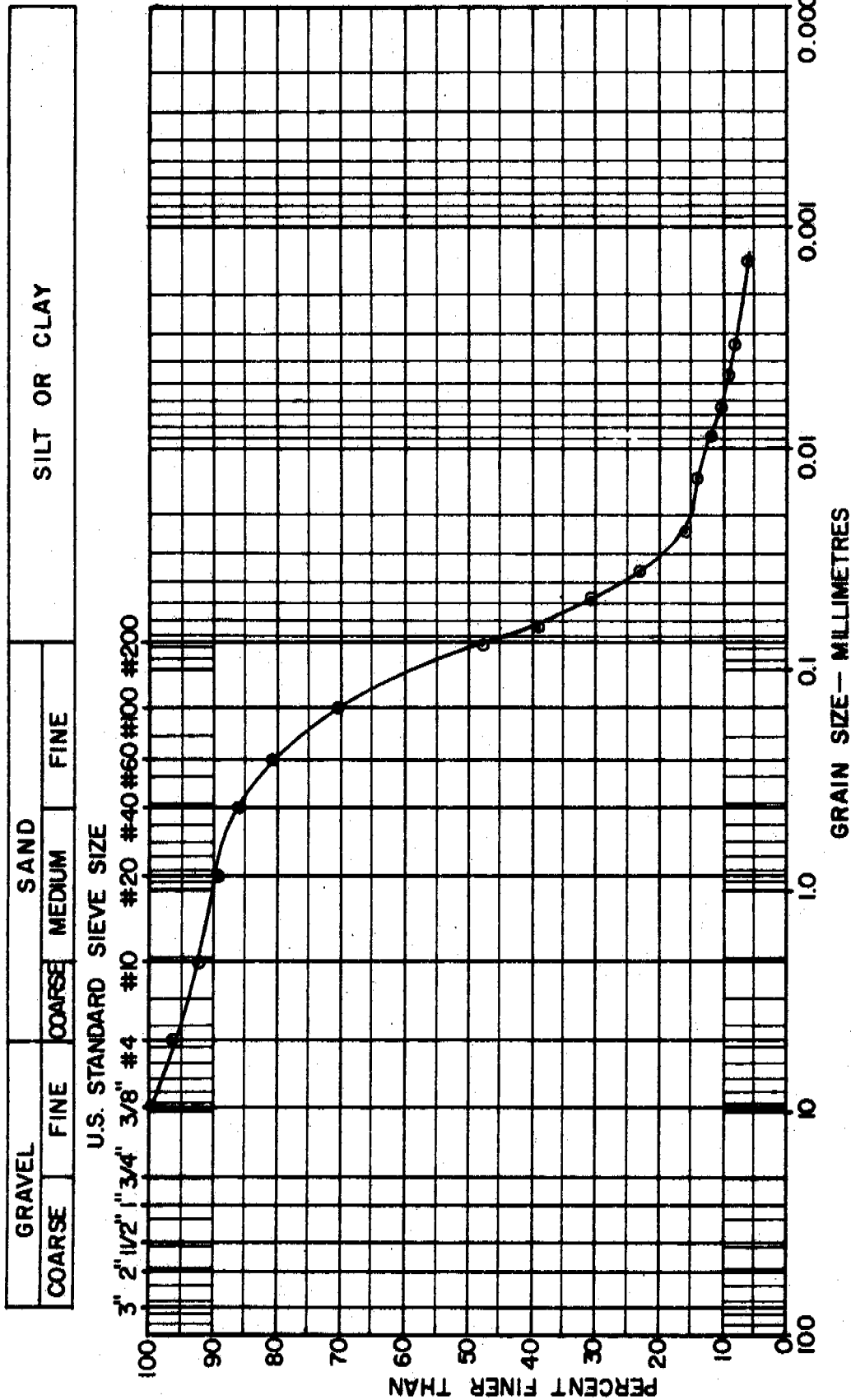
PROJECT

LOCATION 373-S-D

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: @ - 25 ft.



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JOB No. AL0307

PROJECT

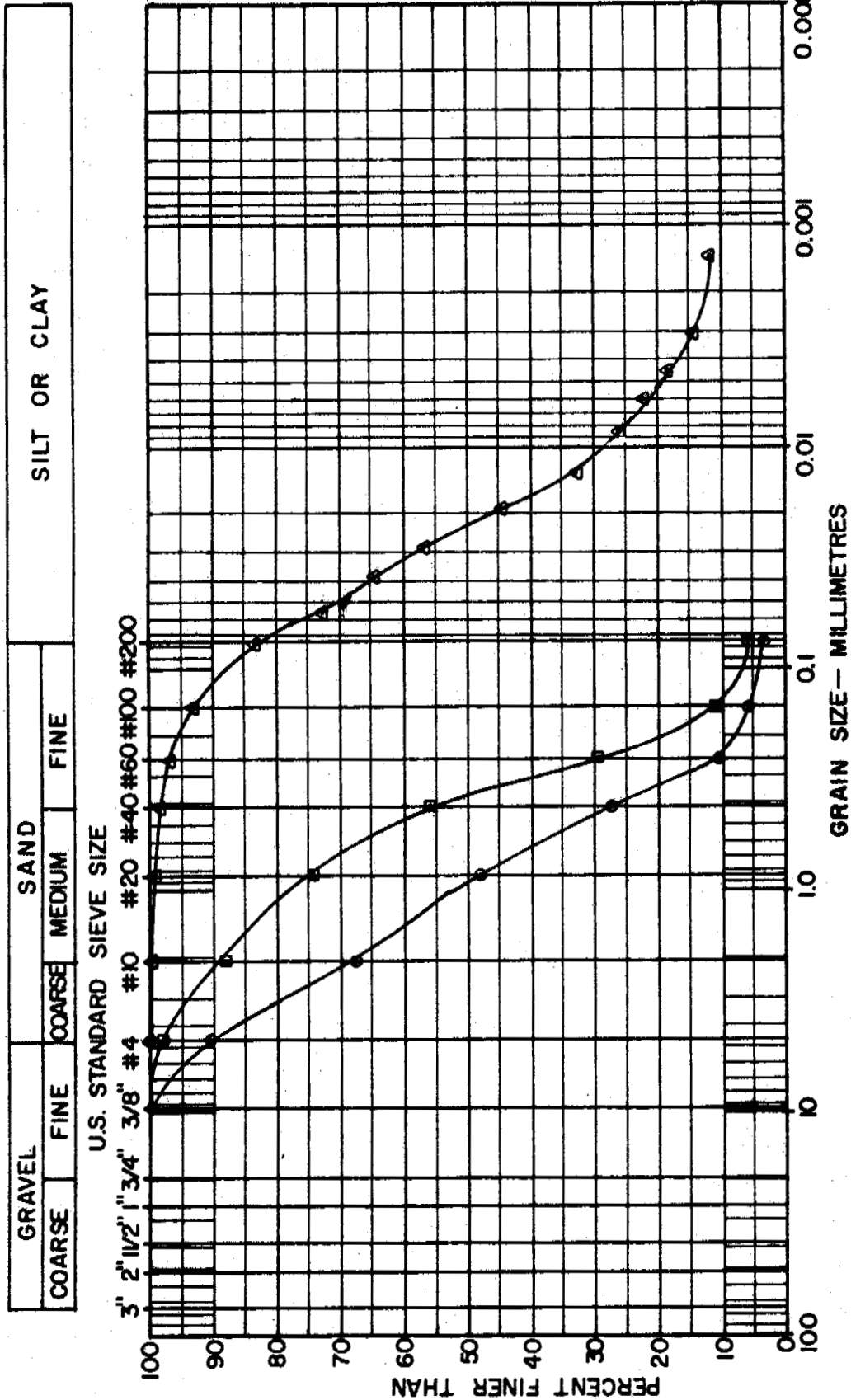
LOCATION 373-S-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: $\circ$ Sample No. 1 - 5 ft.

$\square$ Sample No. 2 - 10 ft.

Δ Sample No. 5 - 25 ft.



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JOB No. AL0307

PROJECT

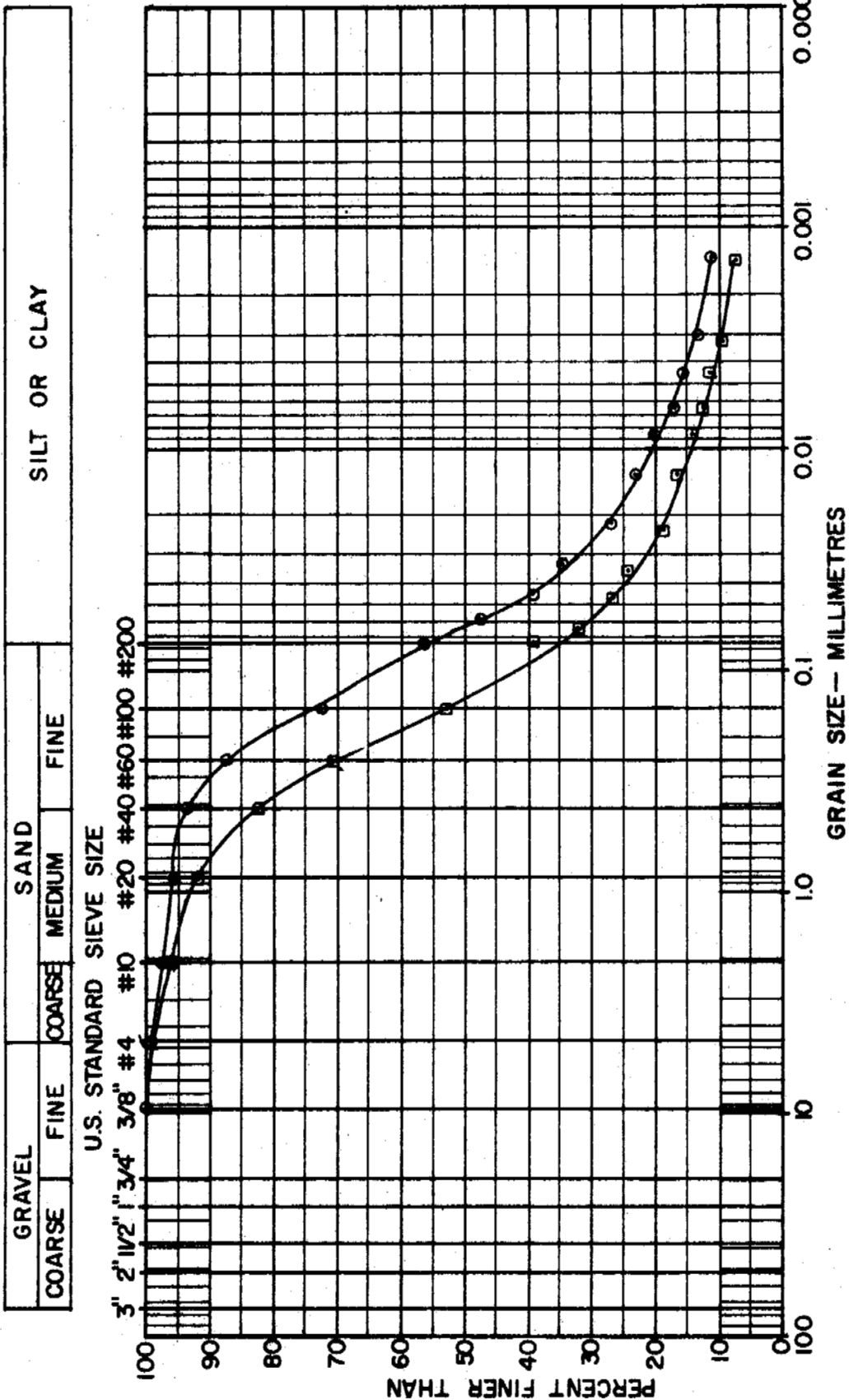
LOCATION 373-S-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 4 - 20 ft.

☐ Sample No. 3 - 15 ft.



JOB No. AL0307

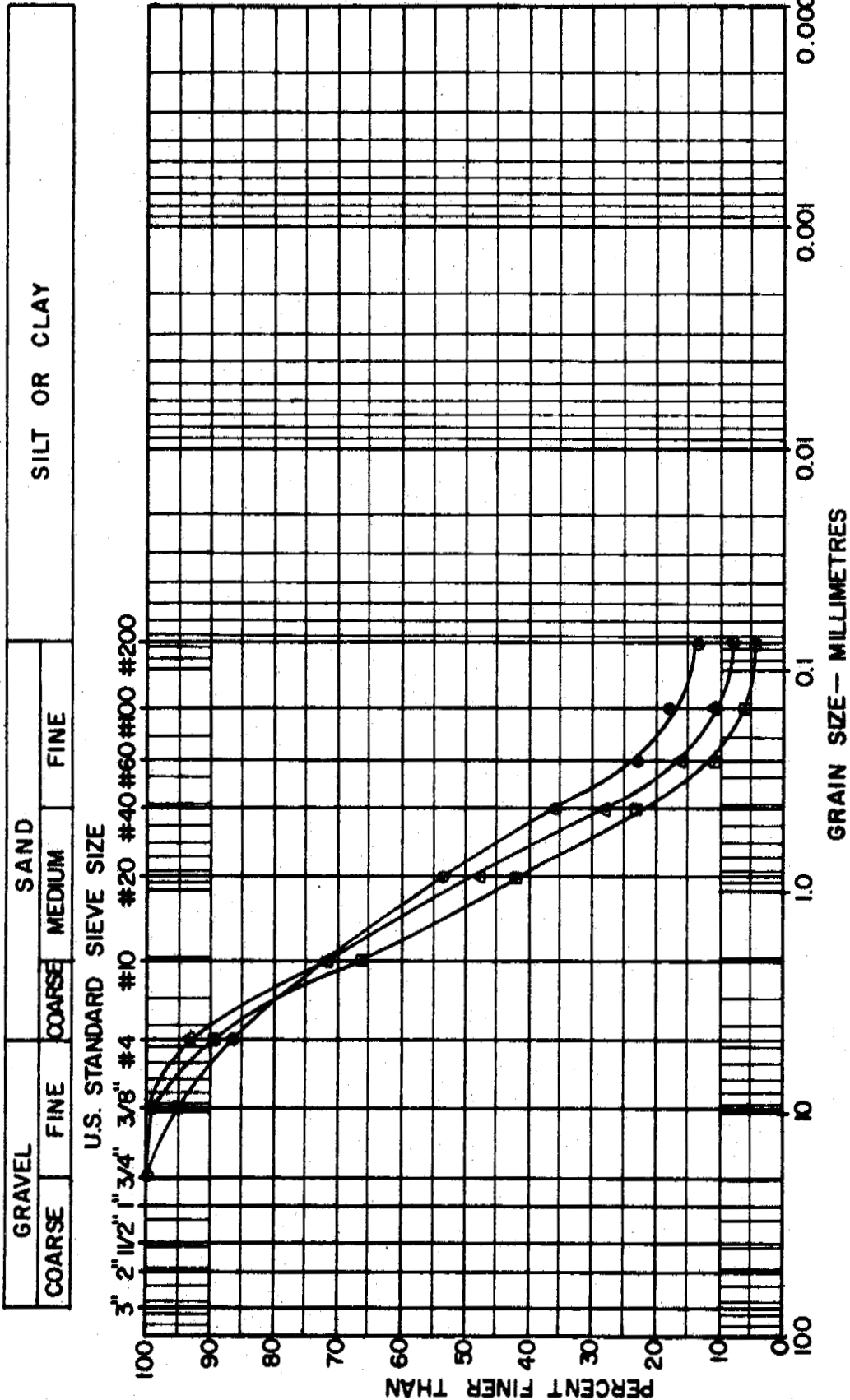
PROJECT

LOCATION 373-S-E

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: 0 - 5 ft.

10 - 10 ft.

15 - 15 ft.



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JOB No. AL0307

PROJECT

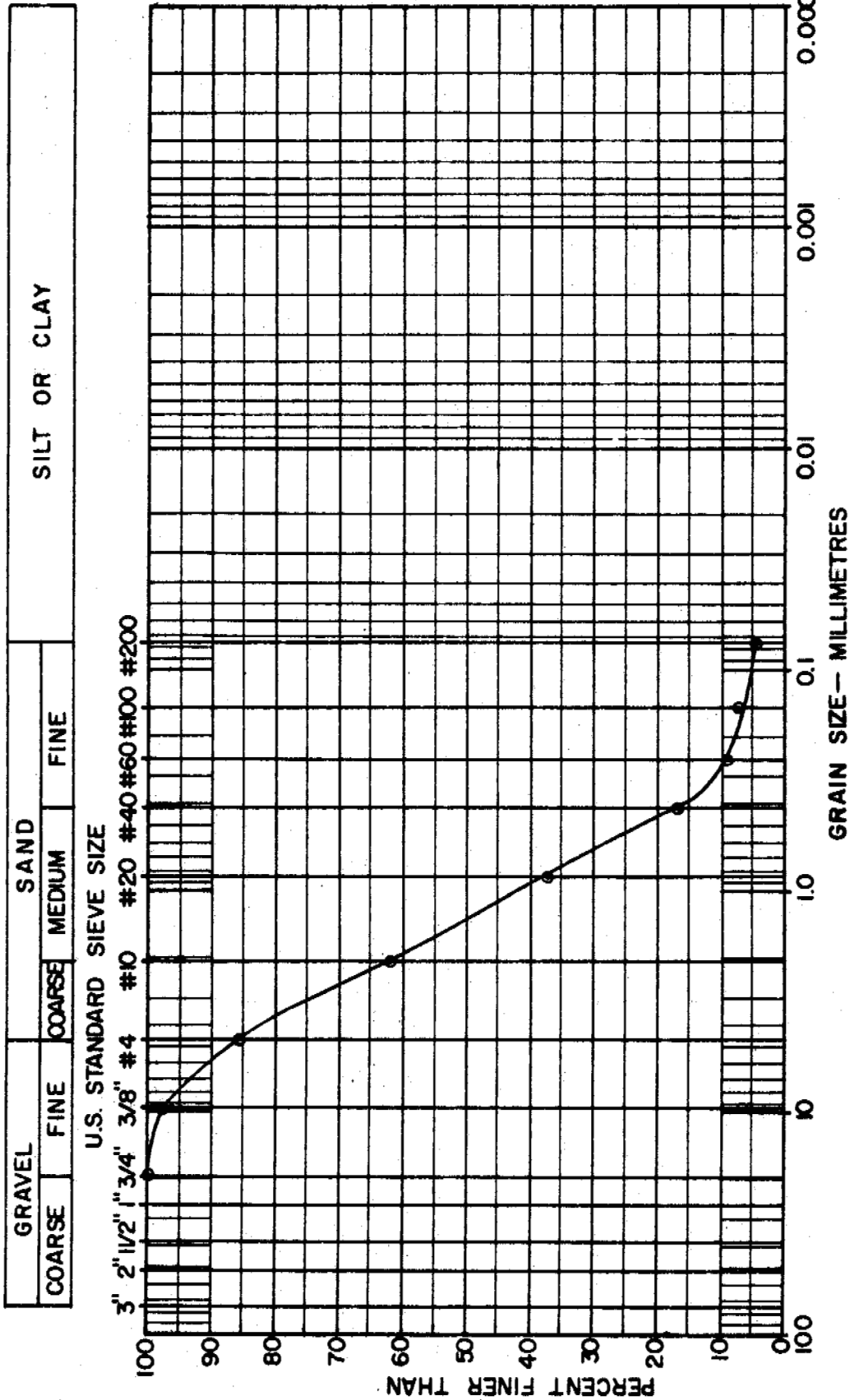
LOCATION 373-C-J

HOLE No.

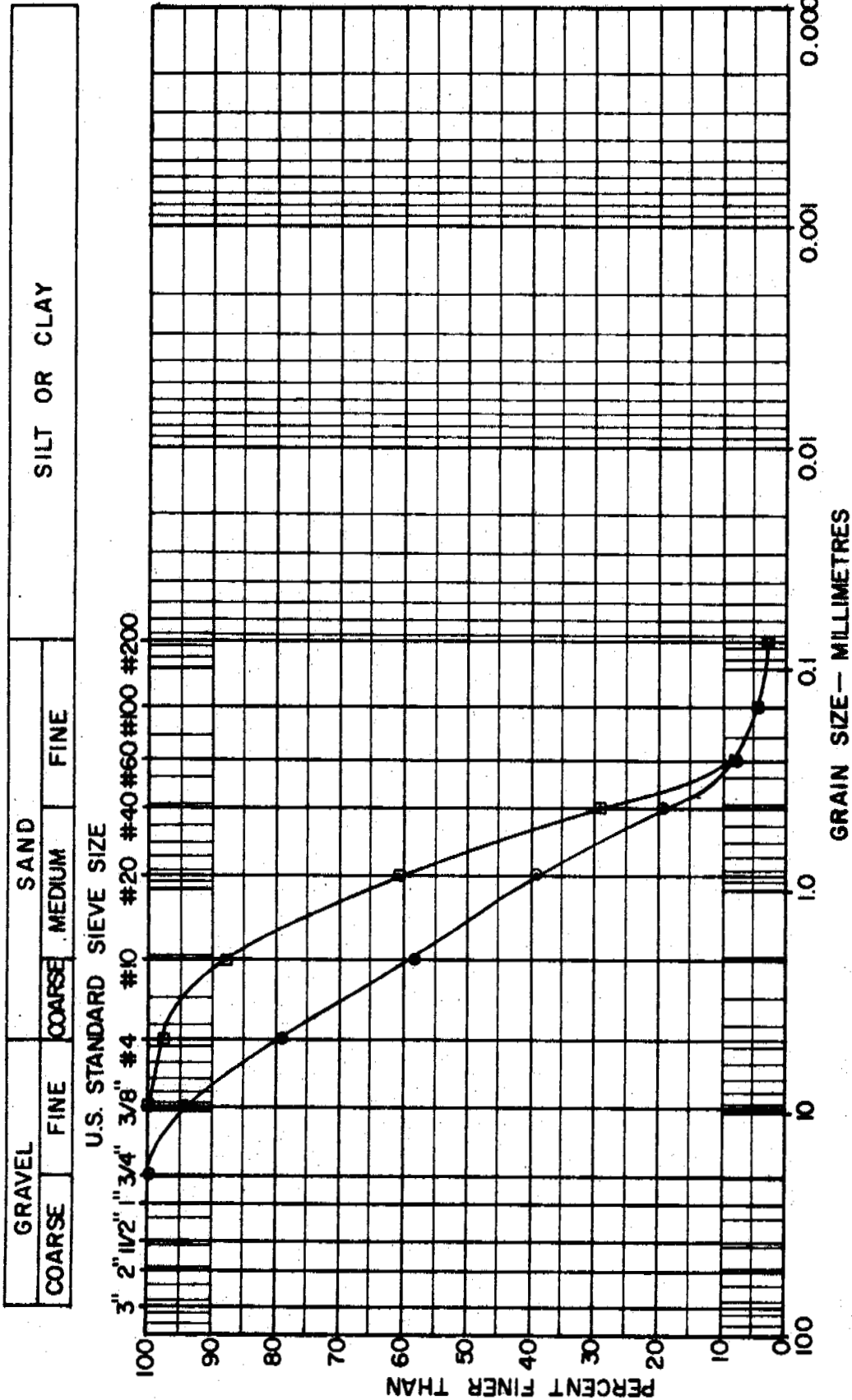
DEPTH

DATE

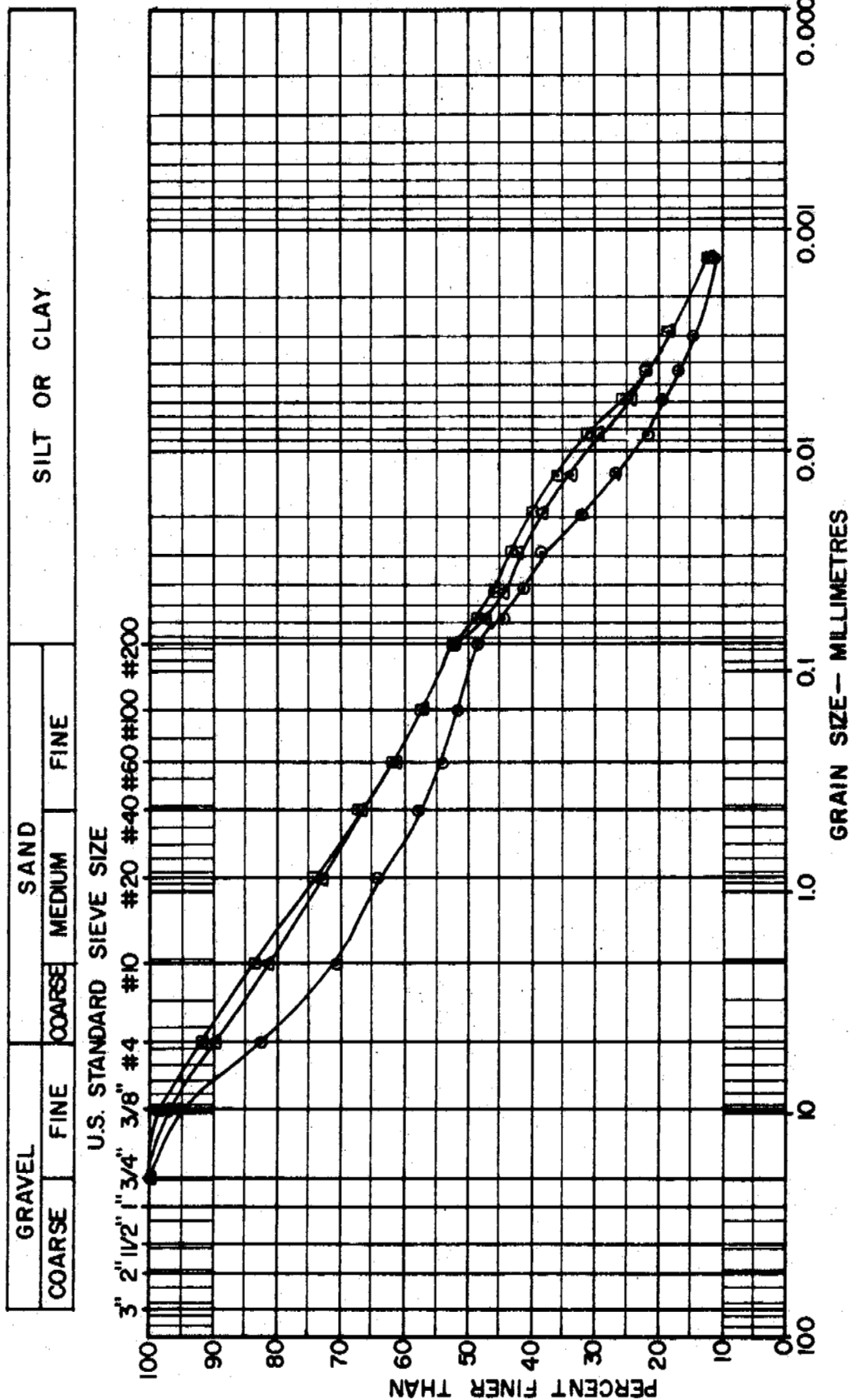
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.

☐ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

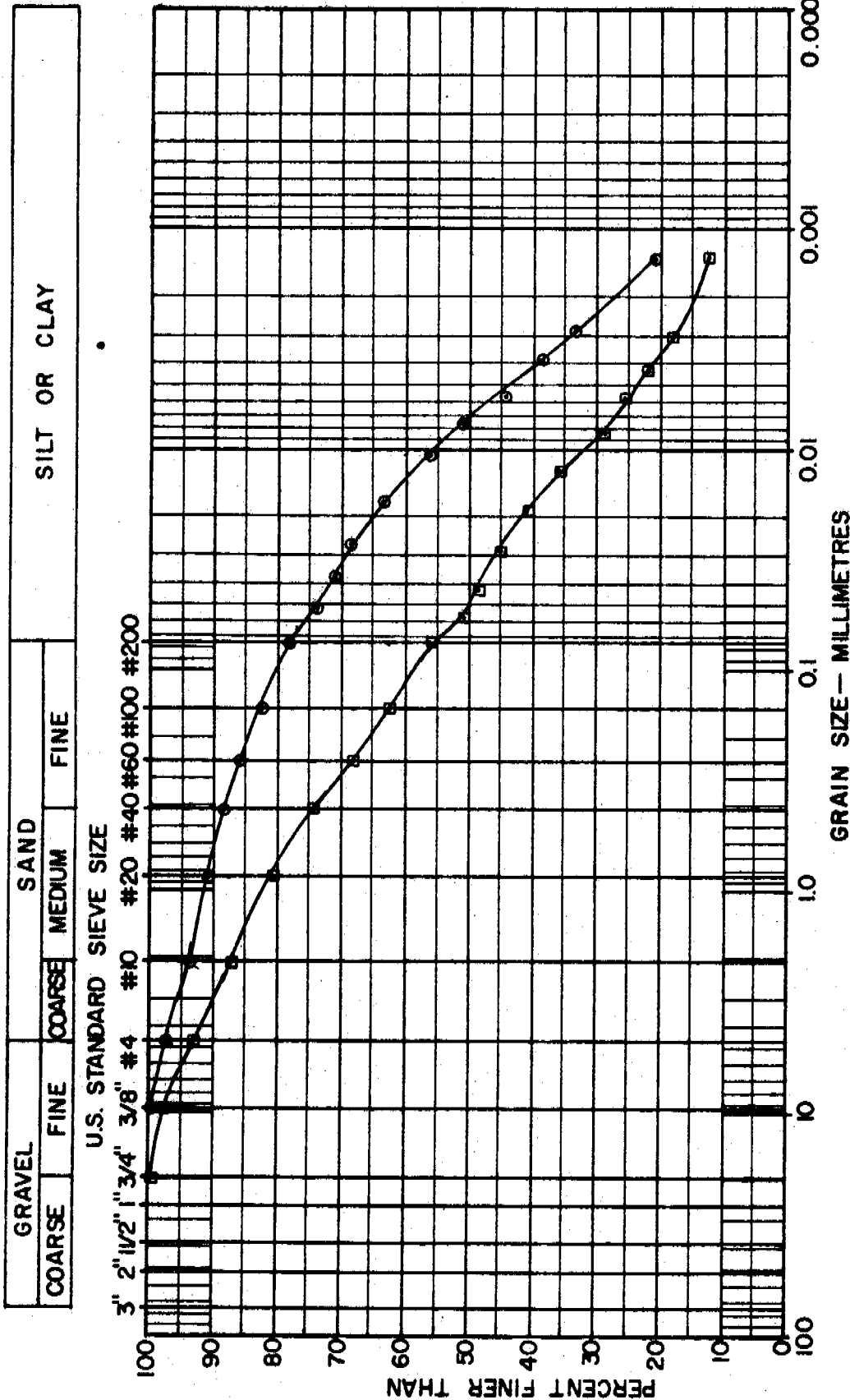
LOCATION 375-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 4 ft.

□ Sample No. 2 - 15 ft.



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PROJECT

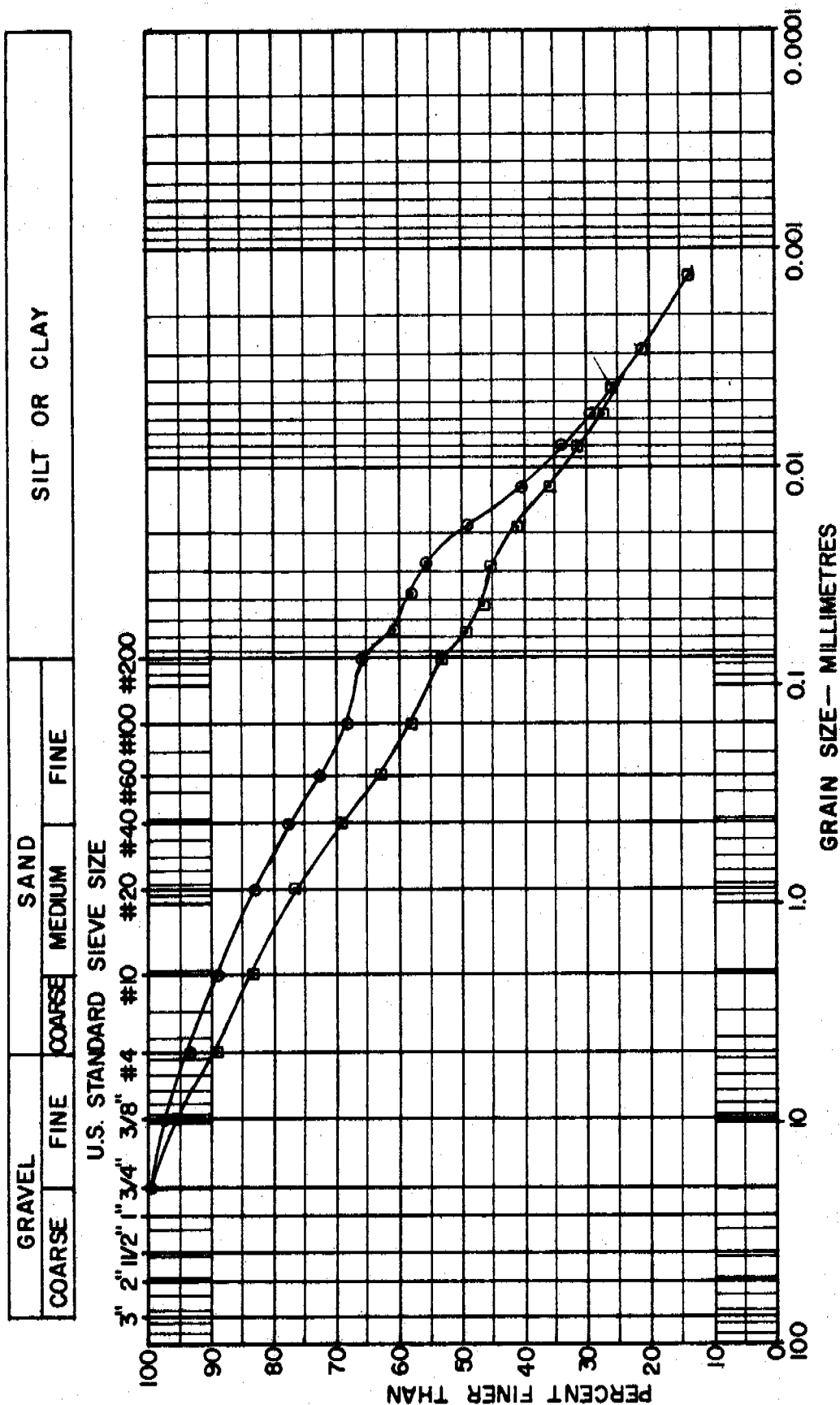
LOCATION 375-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: a Sample No. 1 - 5 ft.
 b Sample No. 2 - 15 ft.
 Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

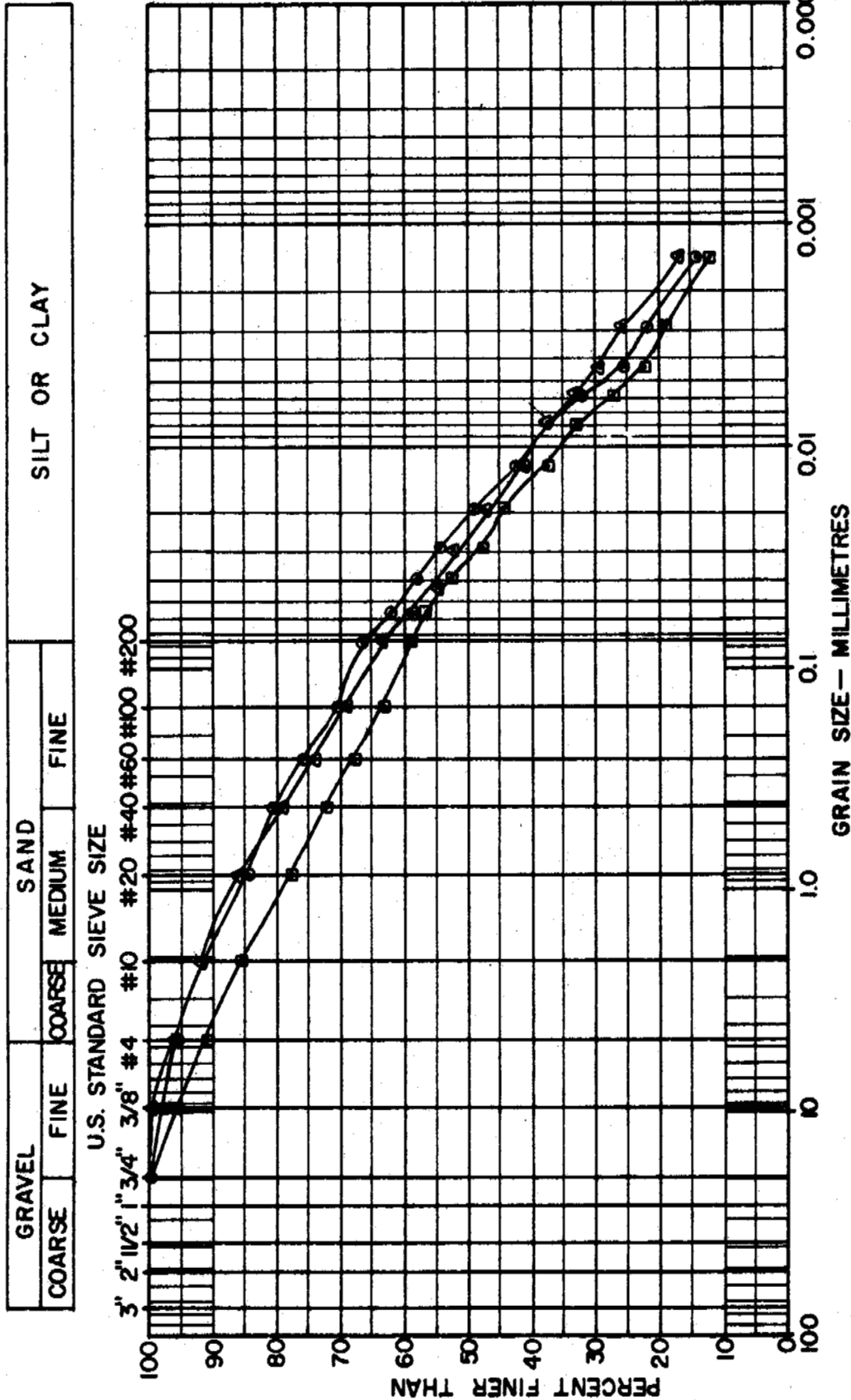
LOCATION 375-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 5 ft.

@ 10 ft.

@ 15 ft.



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JOB No. AL0307

PROJECT

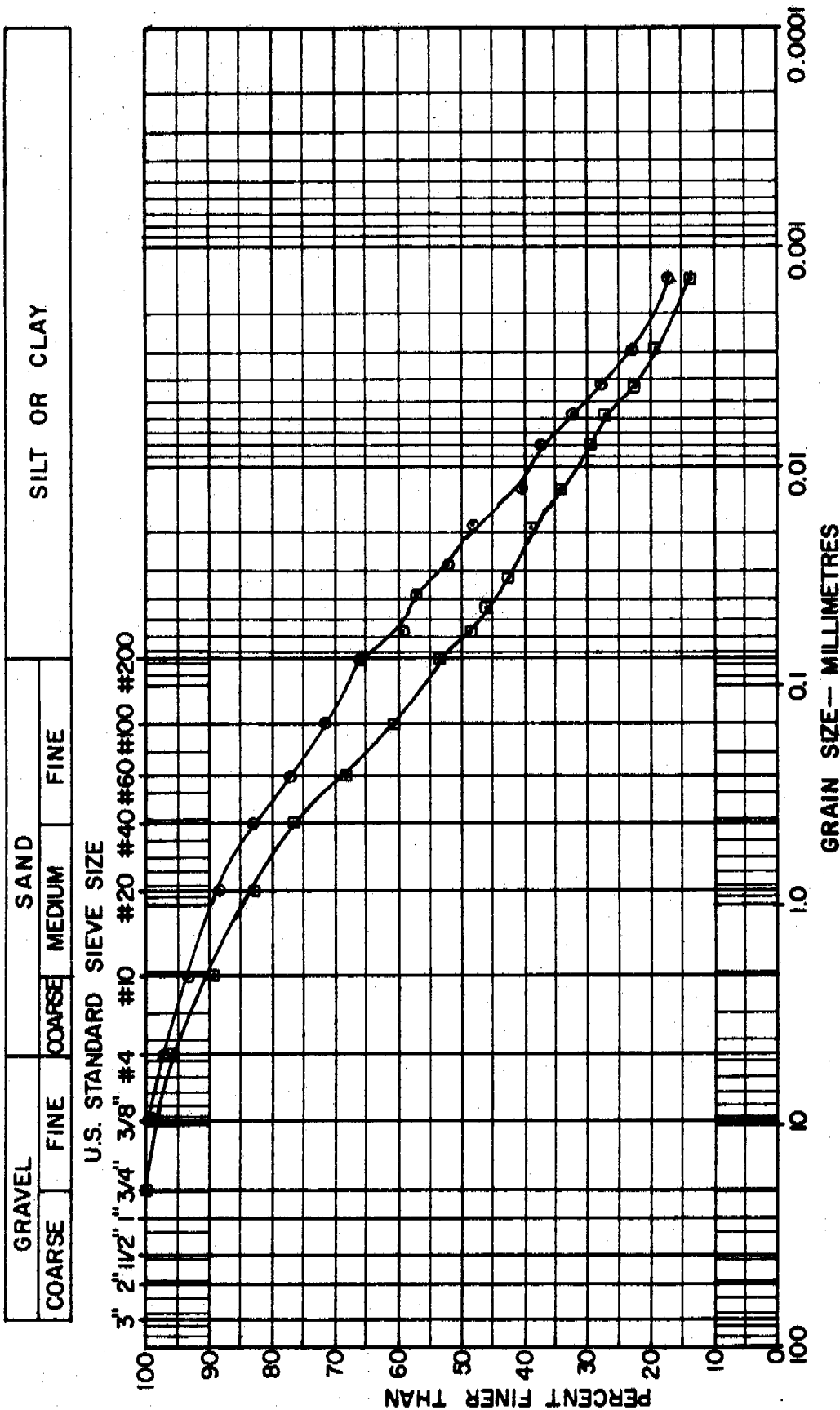
LOCATION 375-C-H

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 2 - 10 ft.

☐ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

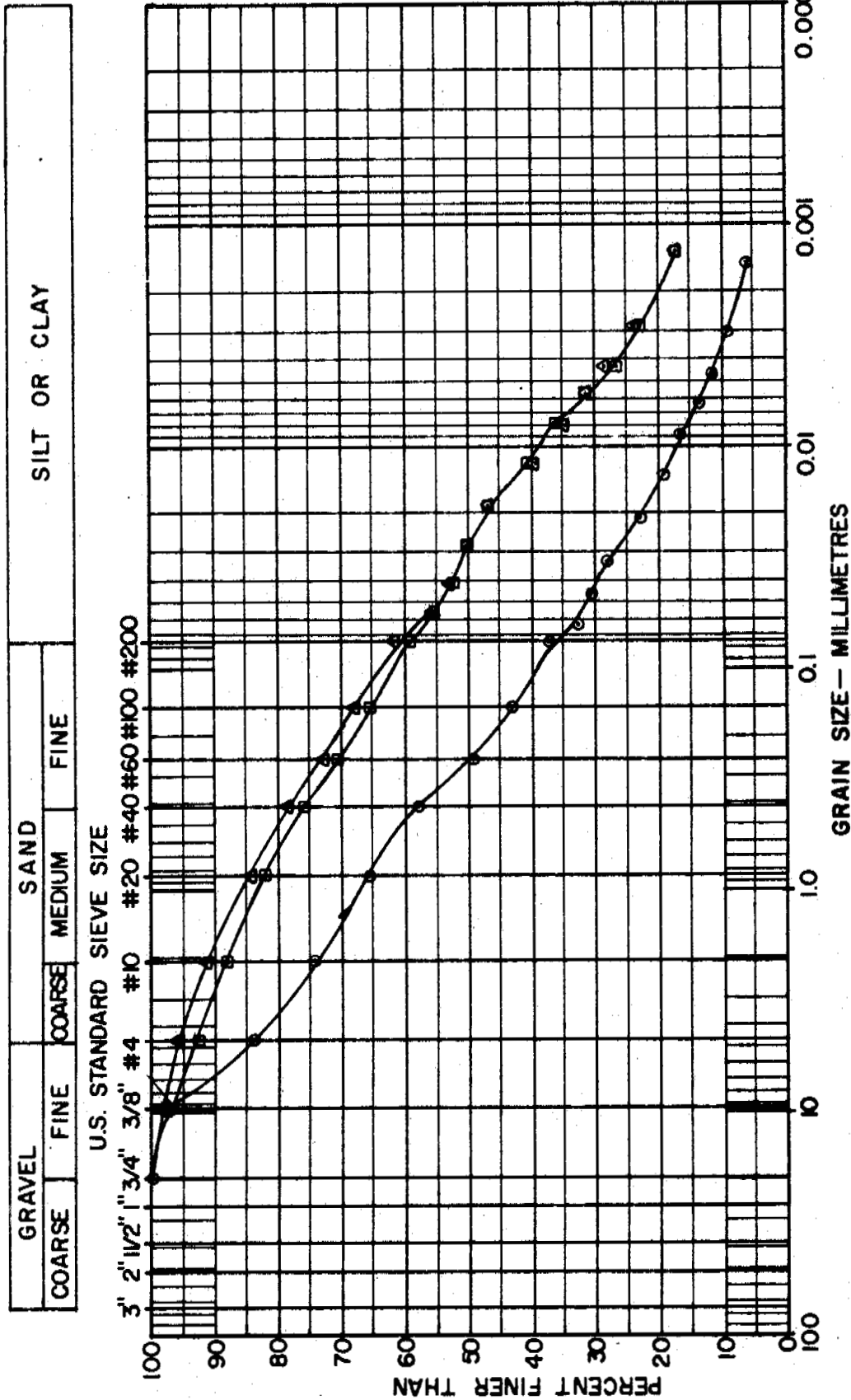
LOCATION 376-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 3 - 15 ft.

□ Sample No. 4 - 20 ft.

△ Sample No. 2 - 10 ft.



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JOB No. AL0307

PROJECT

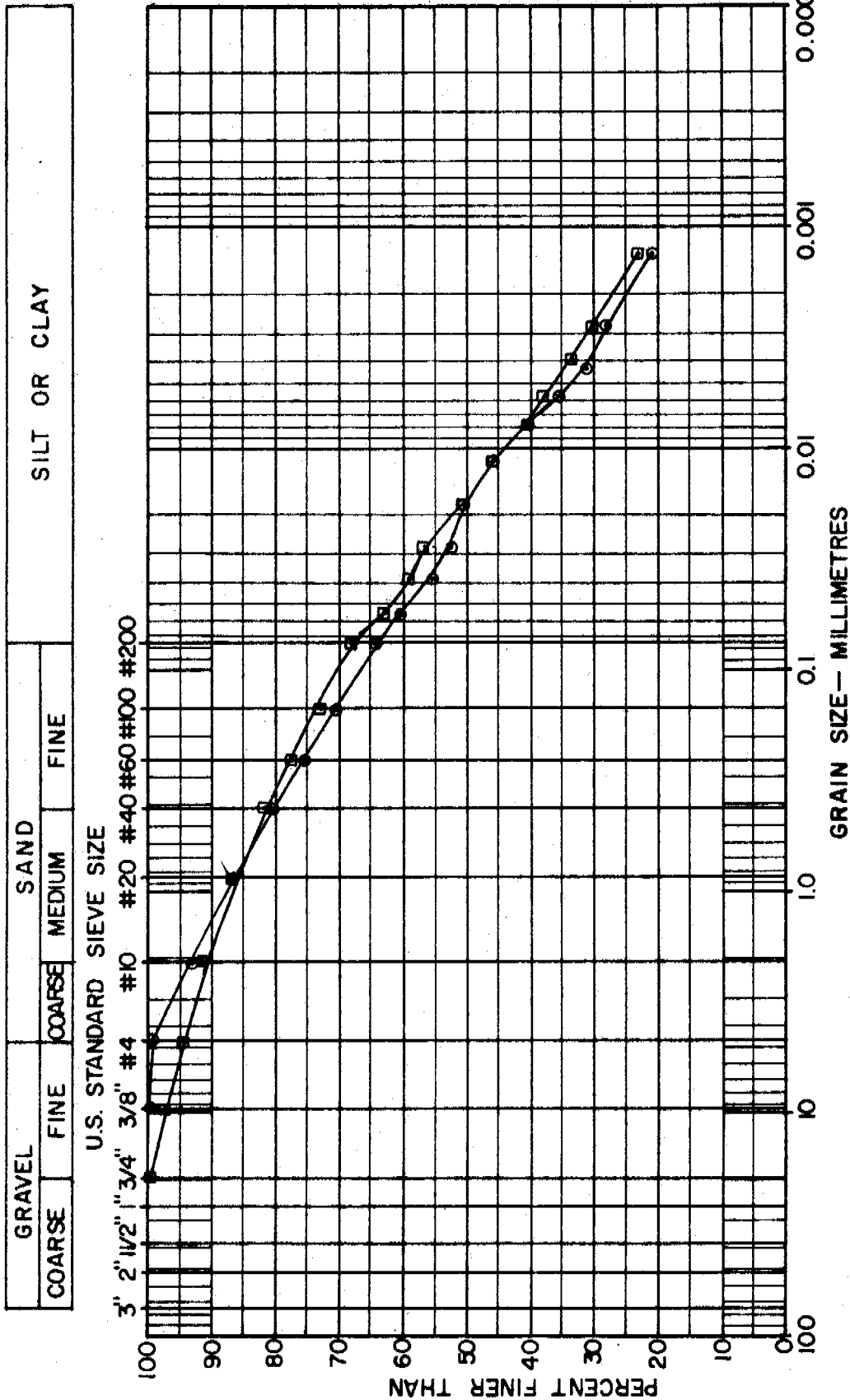
LOCATION 376-S-C

HOLE No.

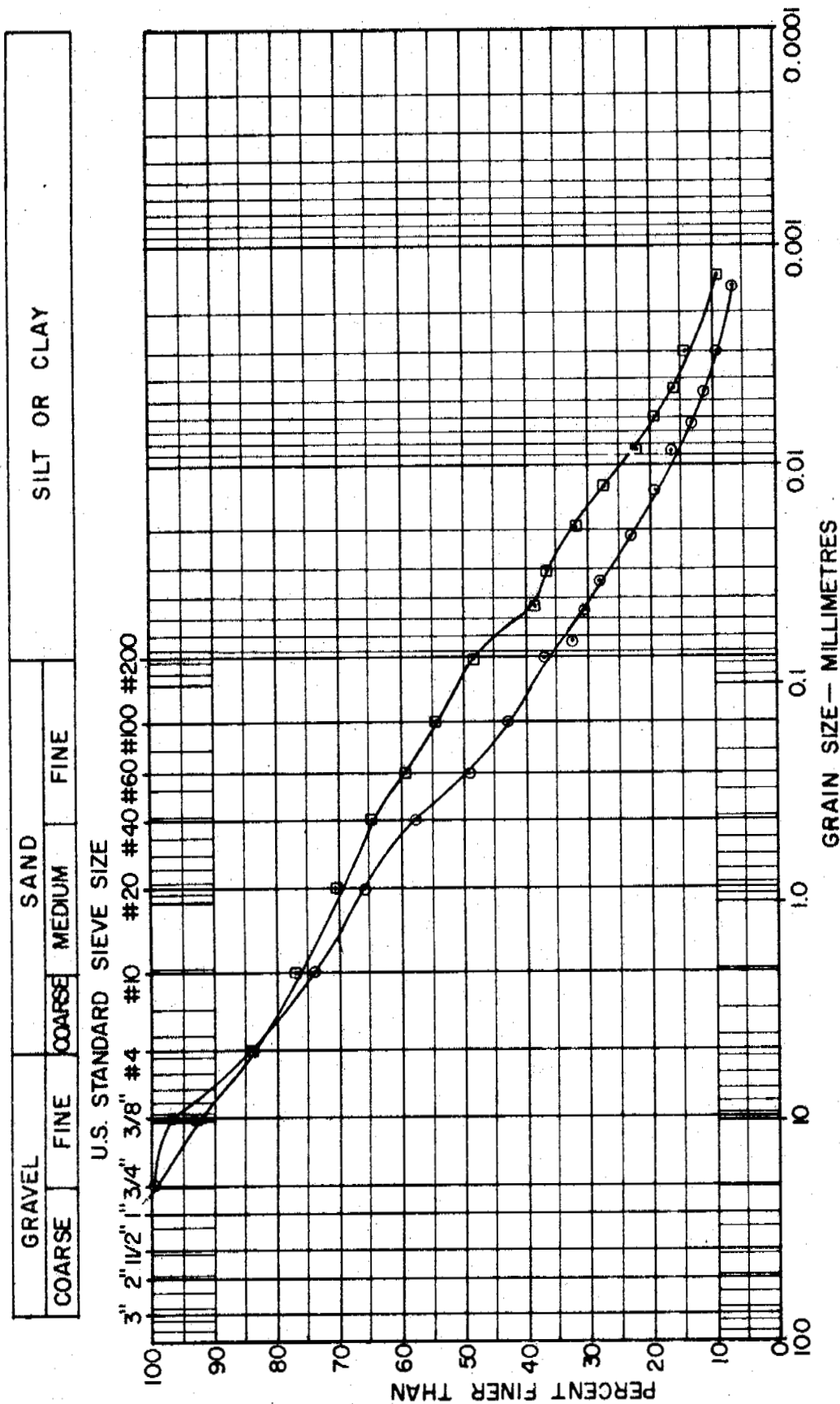
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

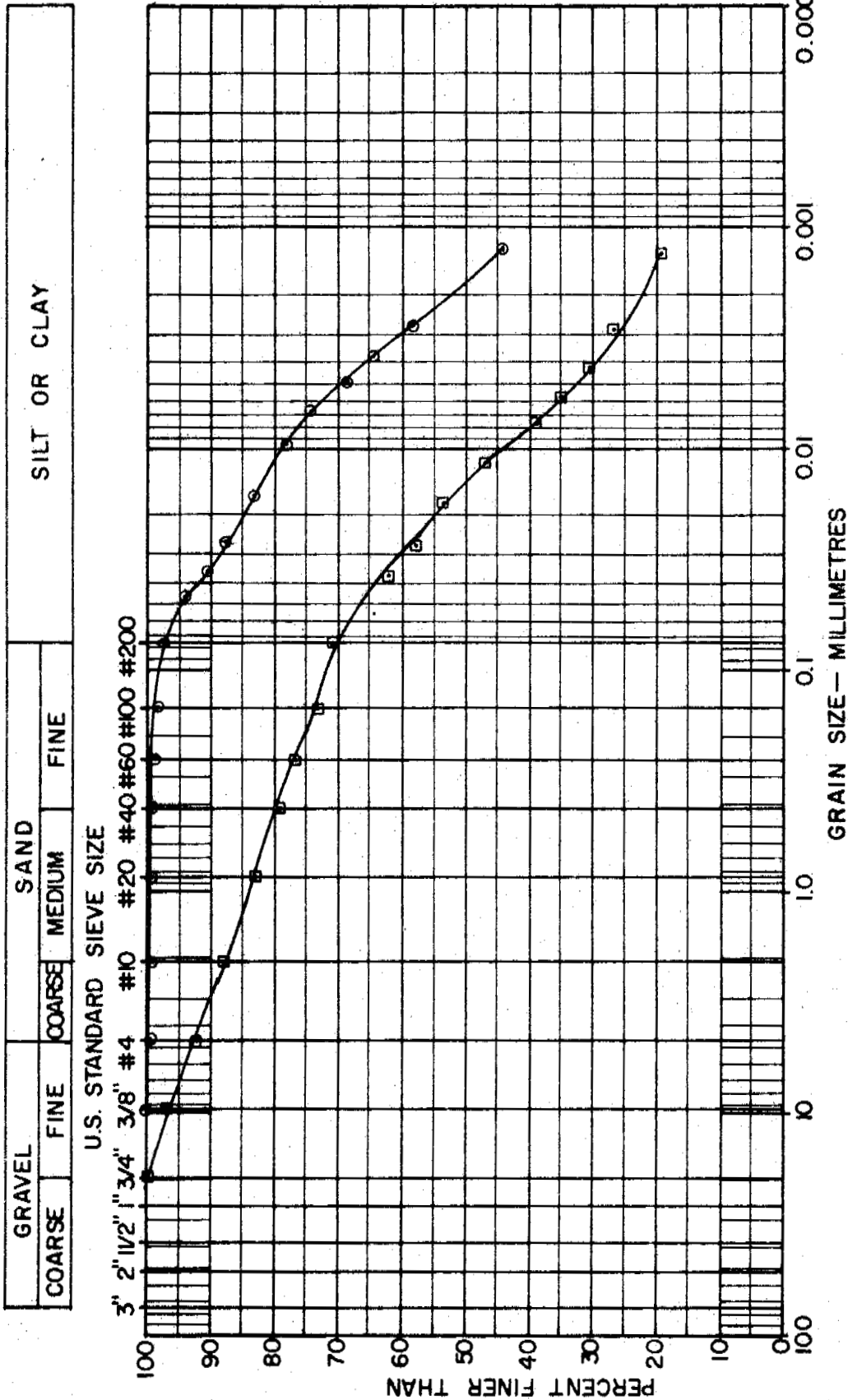
LOCATION 377-C-A

HOLE No.

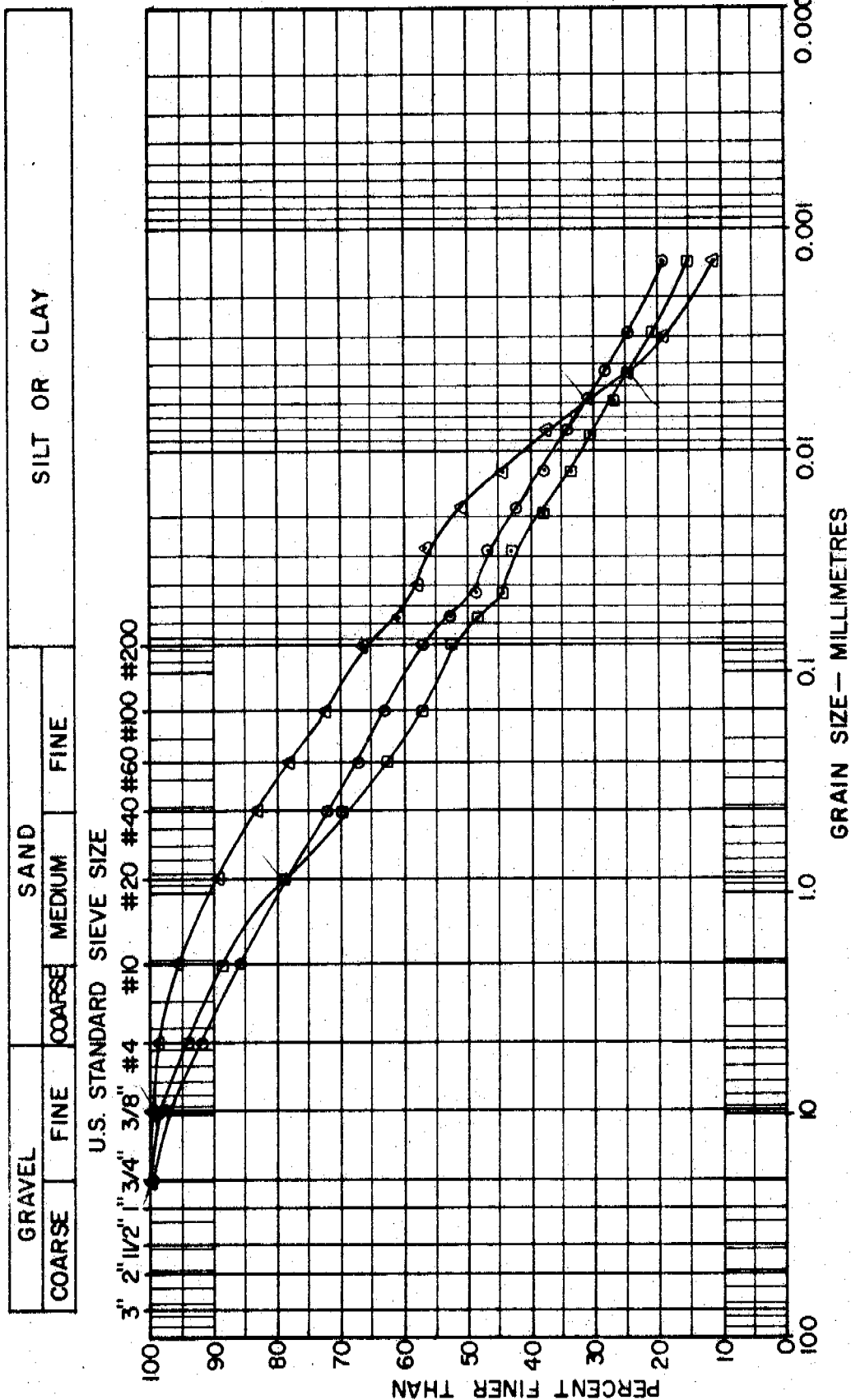
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 9 ft.

☐ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

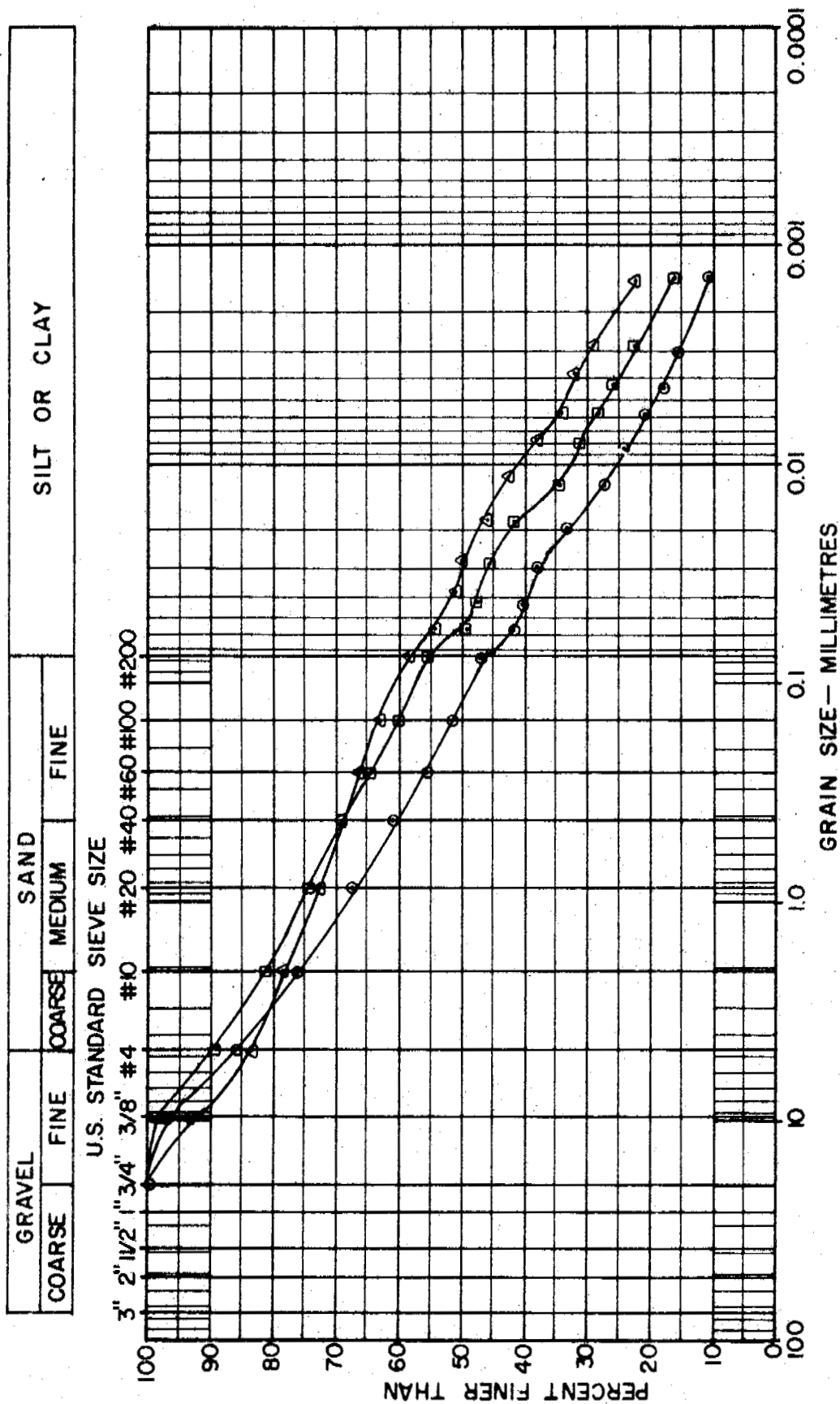
LOCATION 378-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: © Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.

Δ Sample No. 3 - 15 ft.



JOB No. AL0307

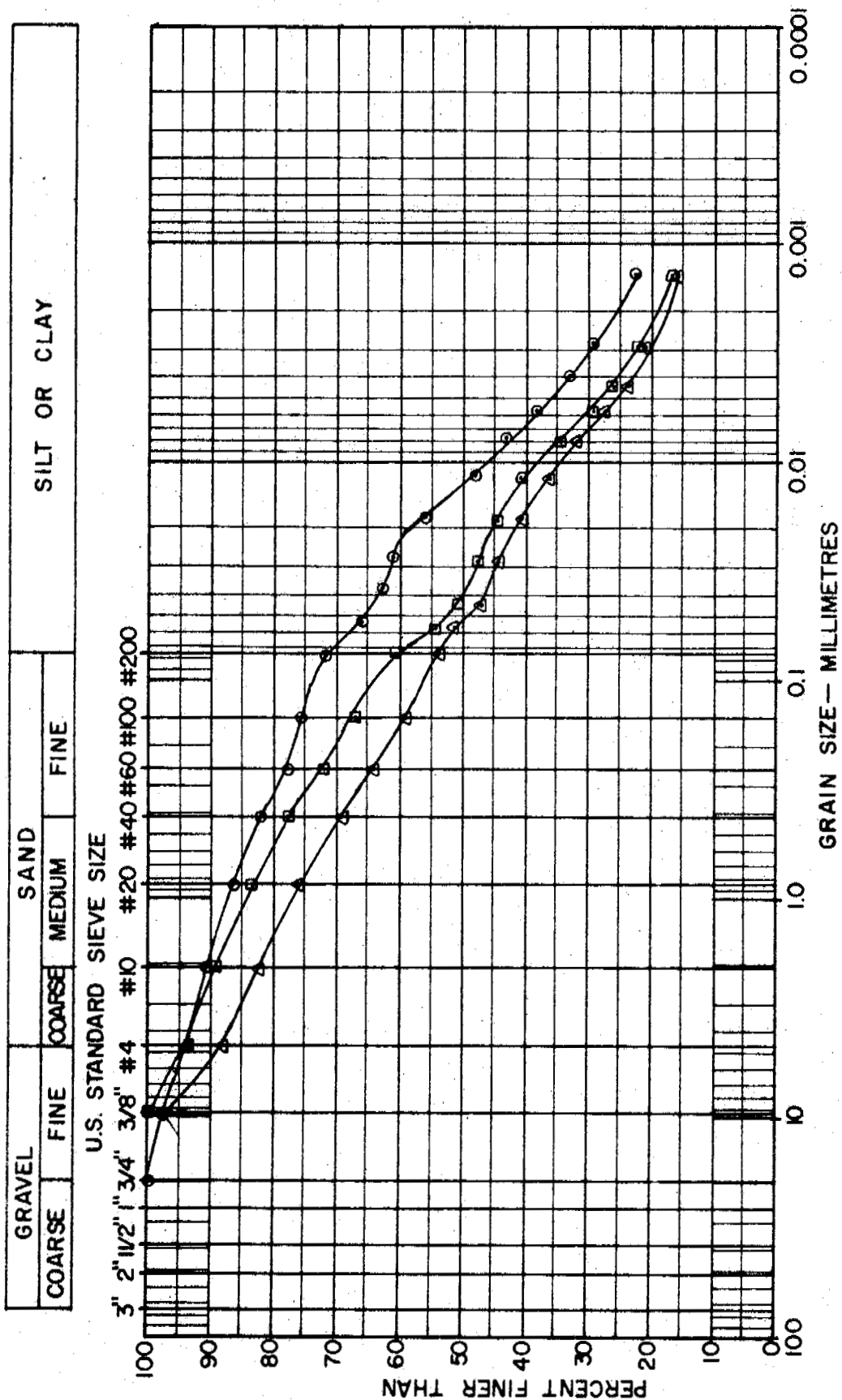
PROJECT

LOCATION 379-C-A

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



JOB No. AL0307

PROJECT

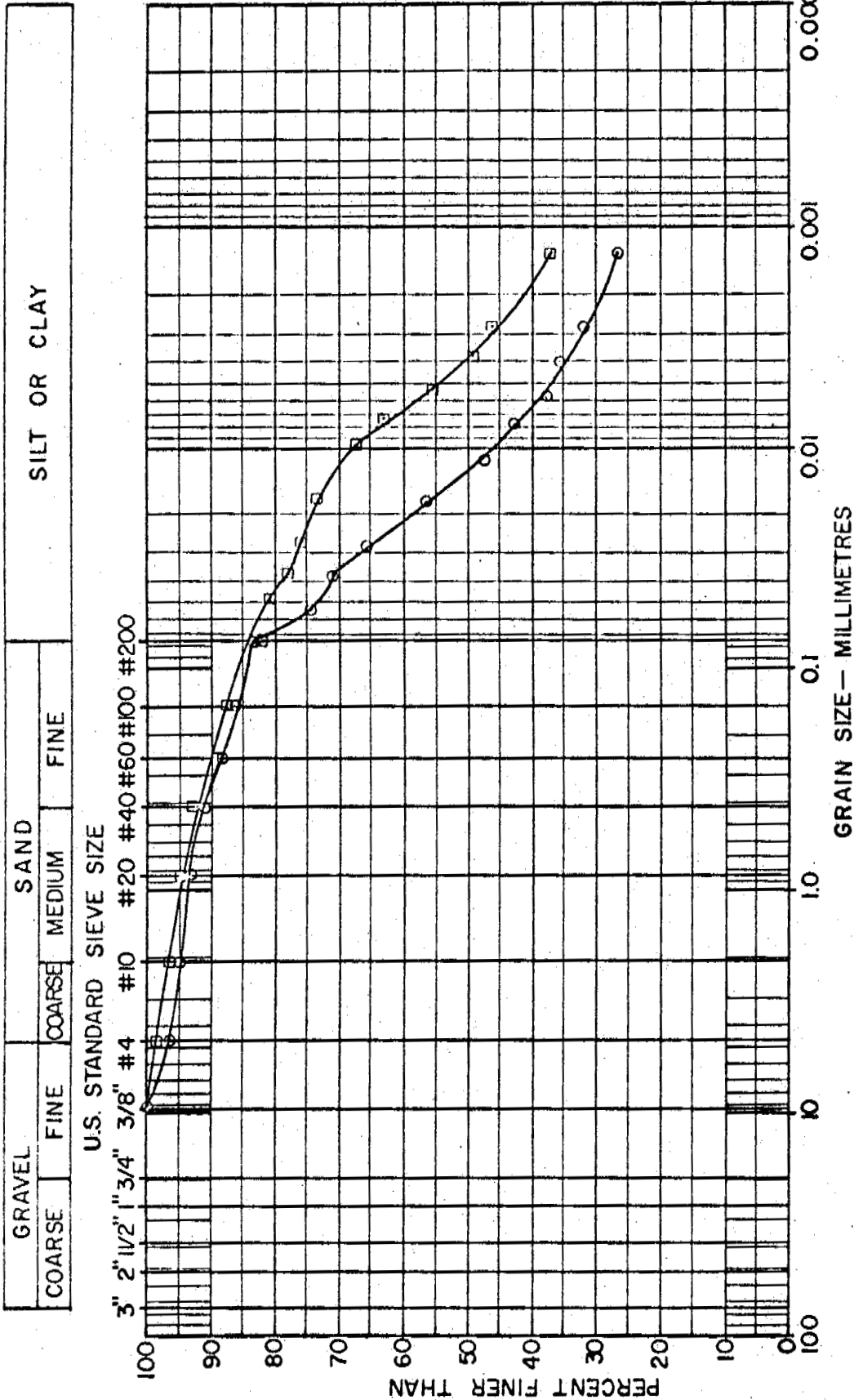
LOCATION 379-C-D

HOLE No

DEPTH

DATE _____

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

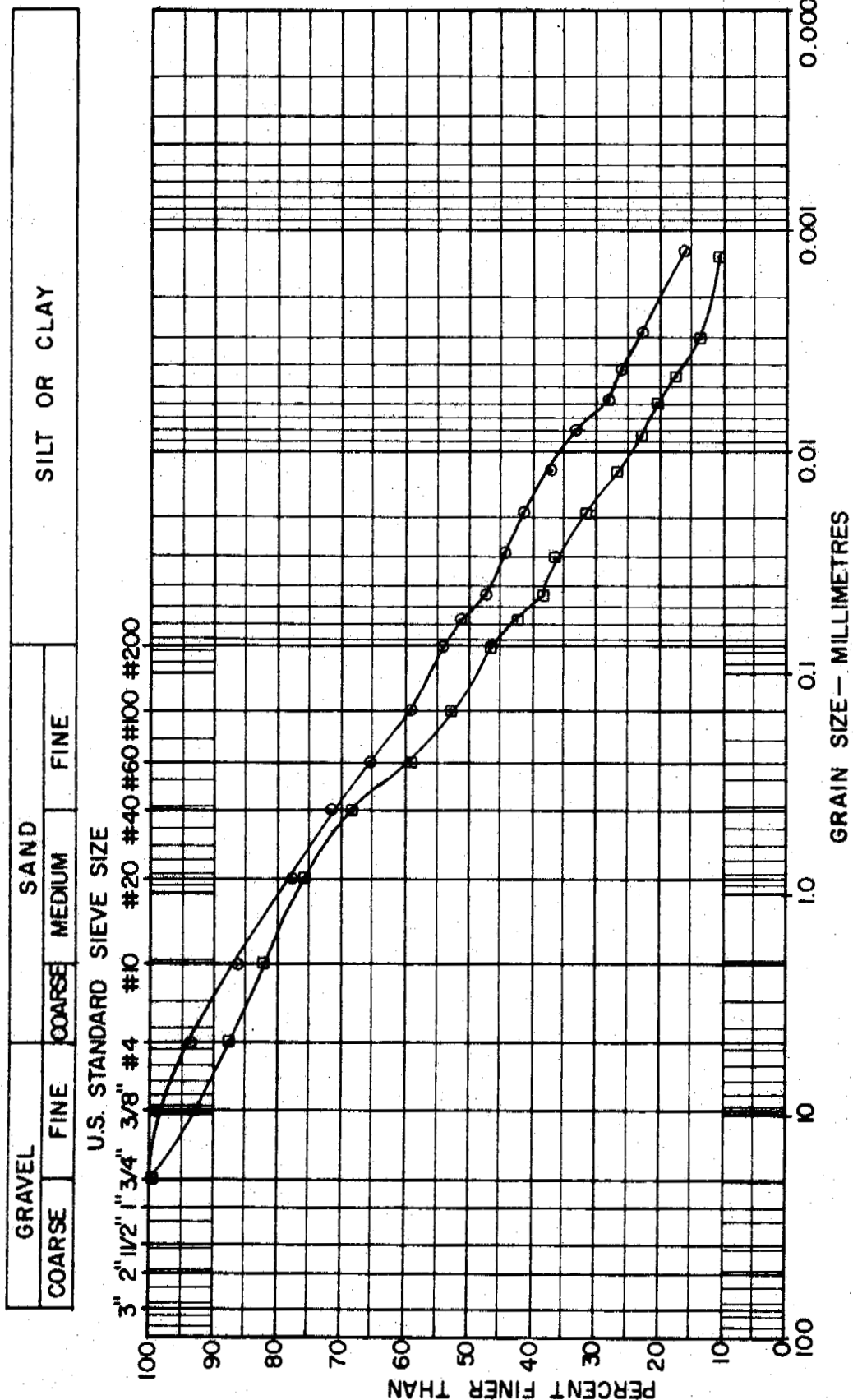
LOCATION 380-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ 15 ft.

$\square$ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

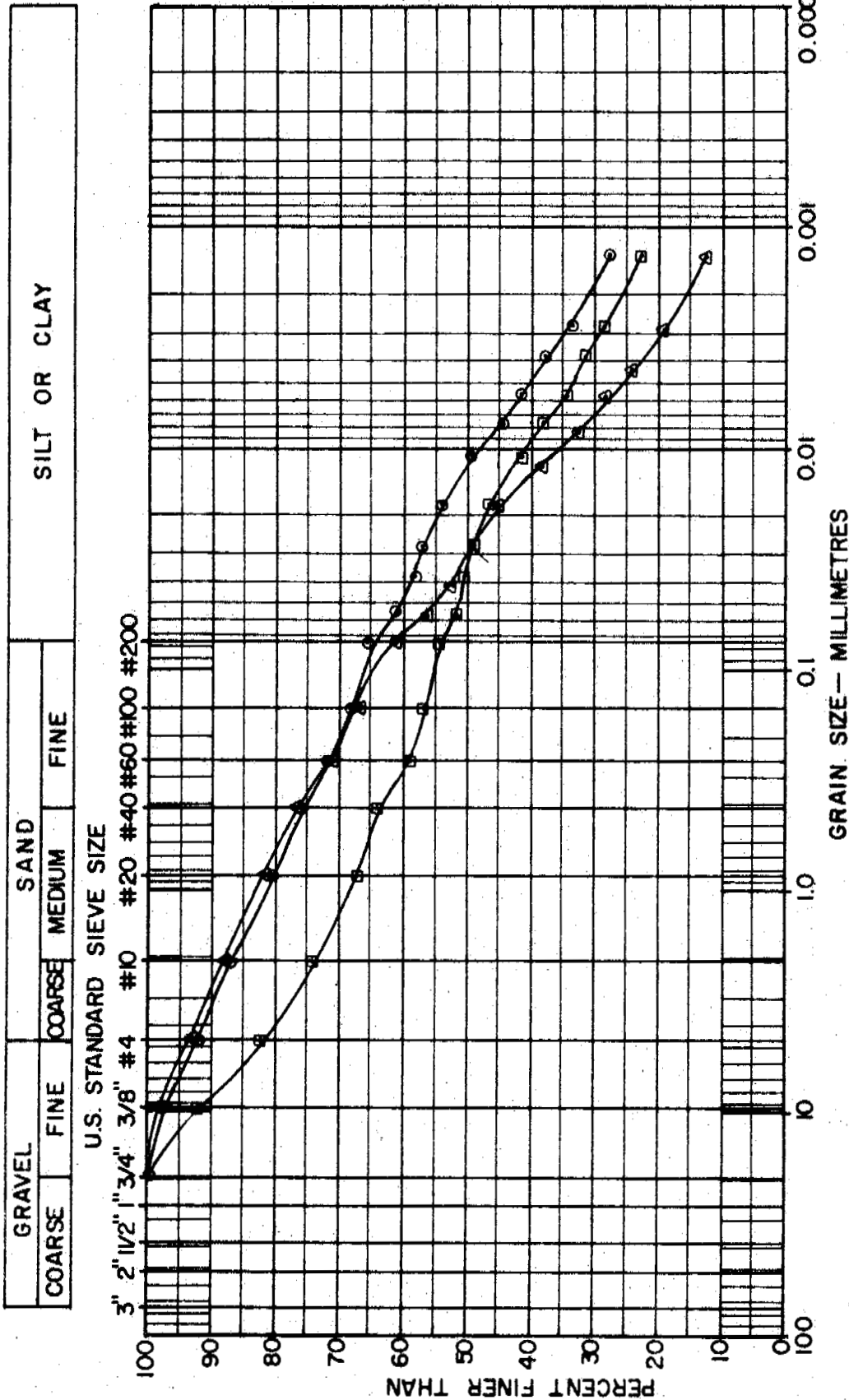
LOCATION 382-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ - 10 ft.

□ 5 ft.

△ 15 ft.



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JOB No. AL0307

PROJECT

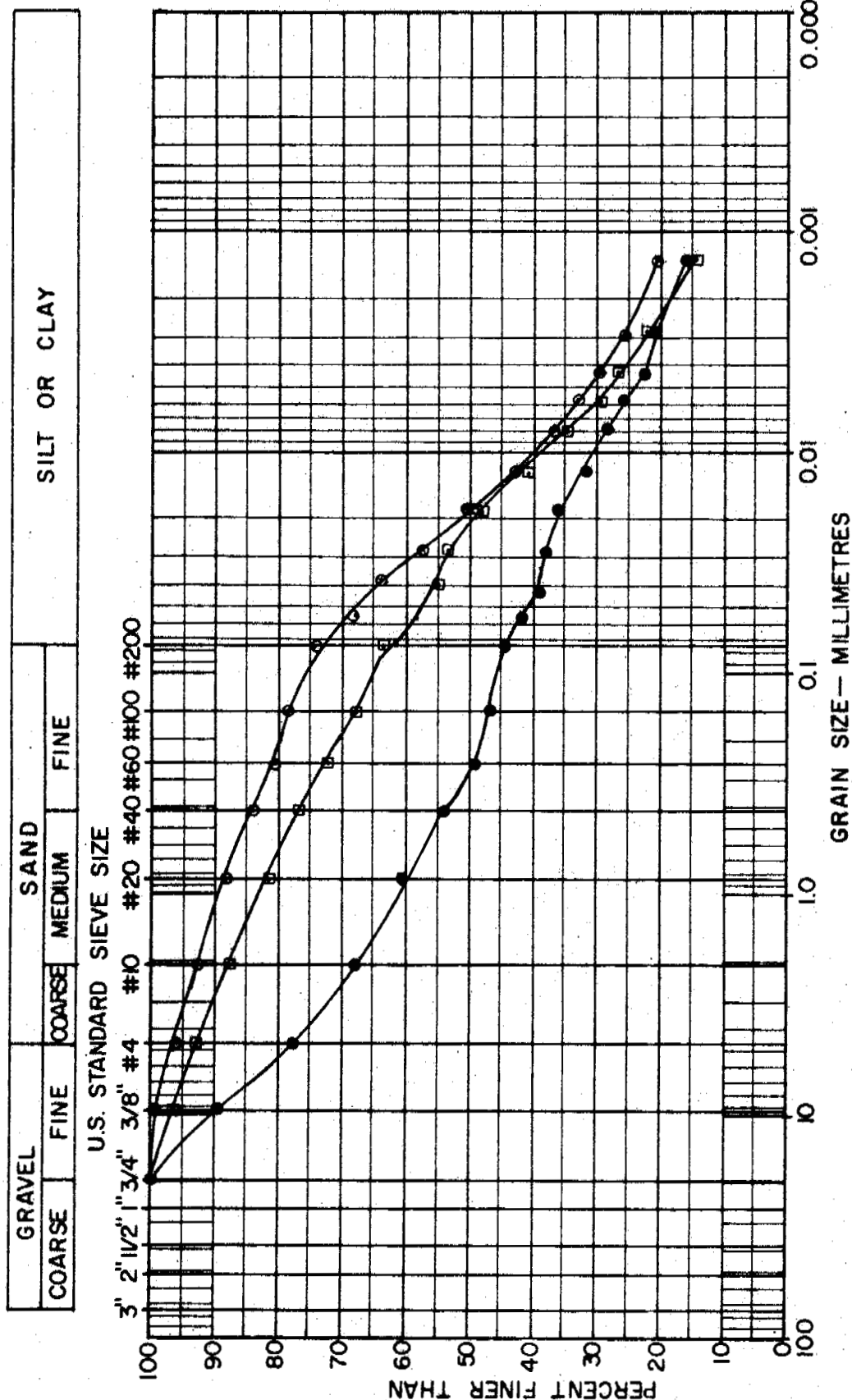
LOCATION 382-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

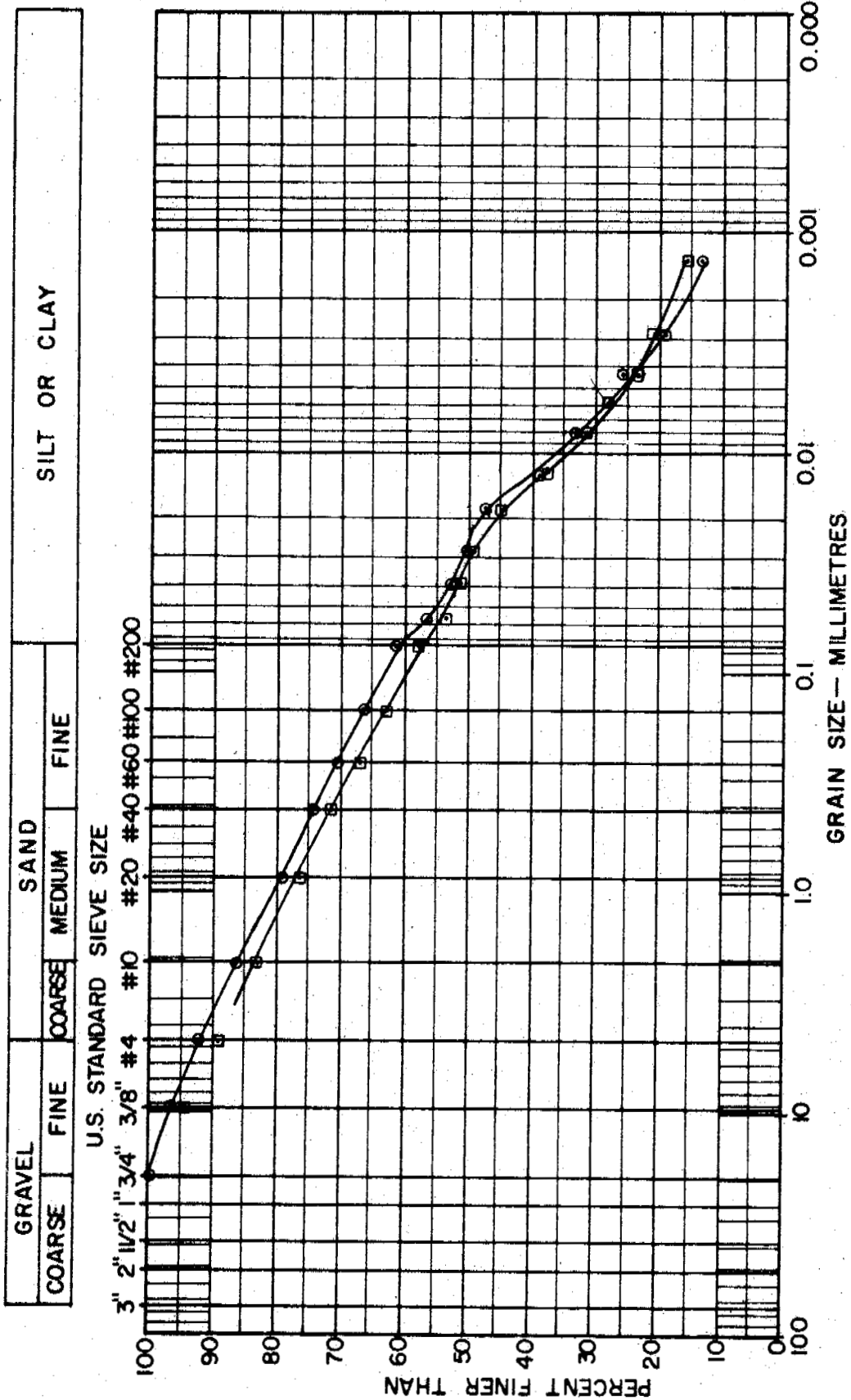
LOCATION 383-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ - 15 ft.

□ - 10 ft.



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JOB No. AL0307

PROJECT

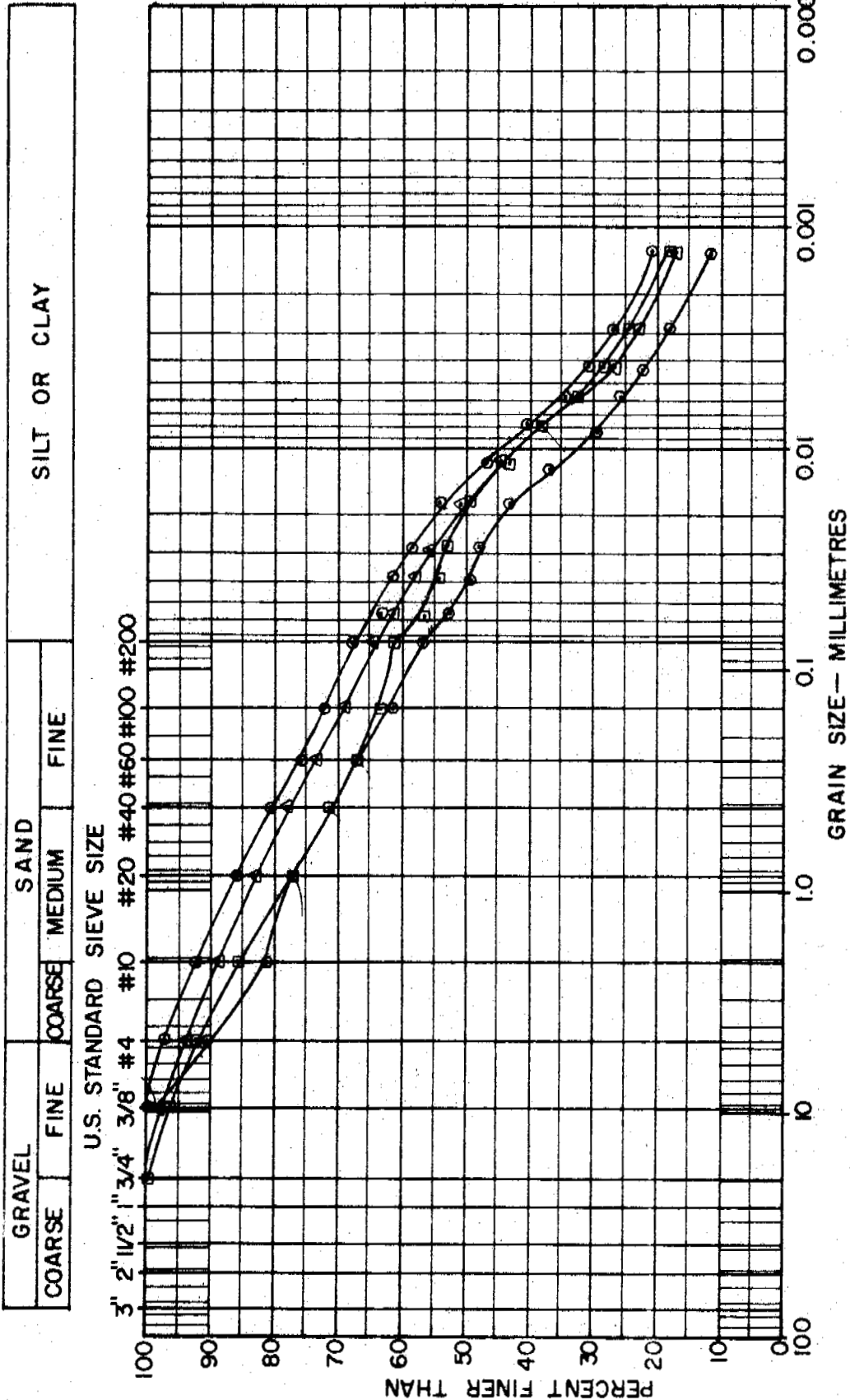
LOCATION 384-C-0

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 2 - 5 to 10 ft.

□ Sample No. 1 - 1 to 5 ft.

△ Sample No. 4 - 15 to 20 ft.

○ Sample No. 3 - 10 to 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

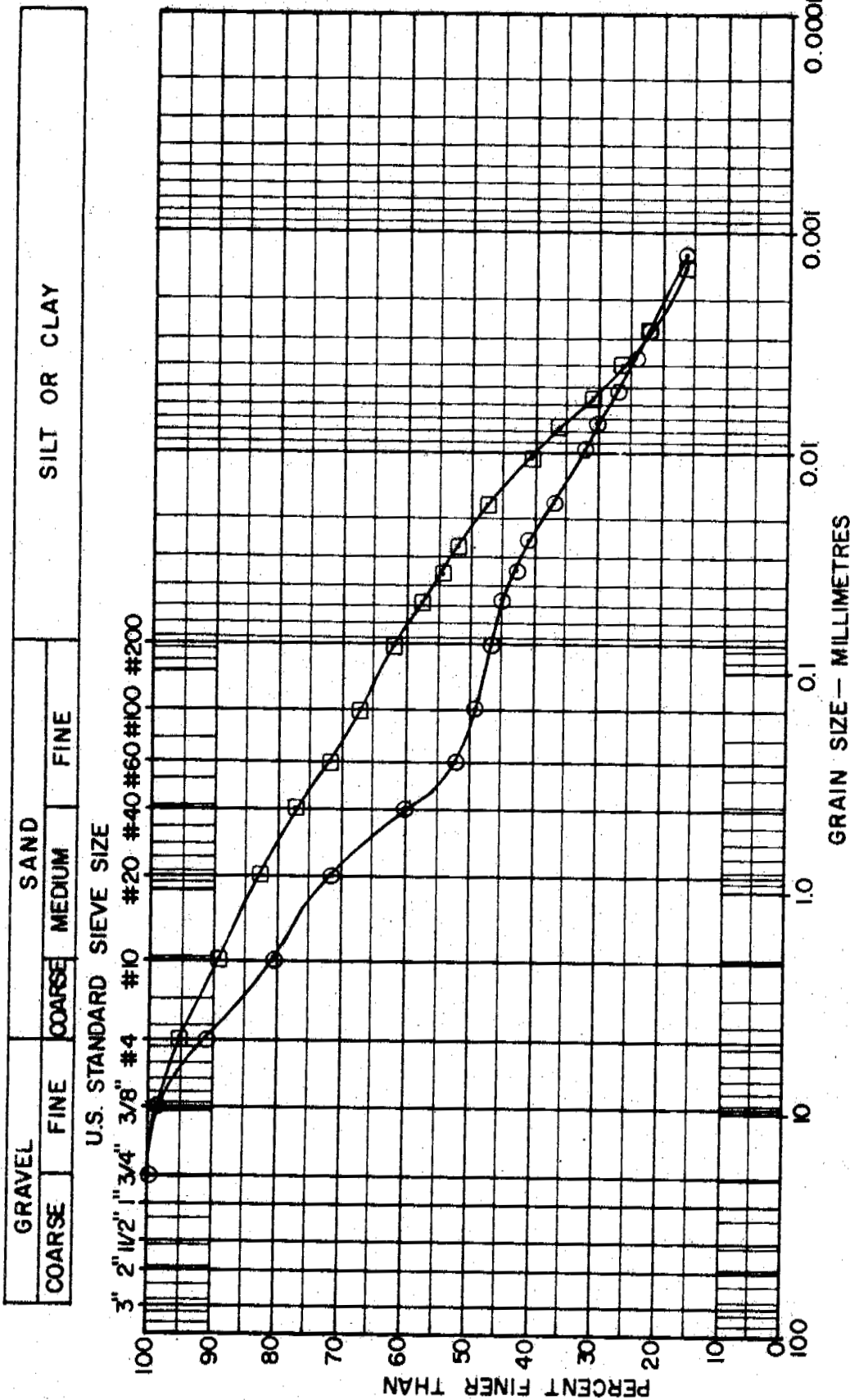
LOCATION 385-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5'
 □ Sample #2 10'



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL 0335

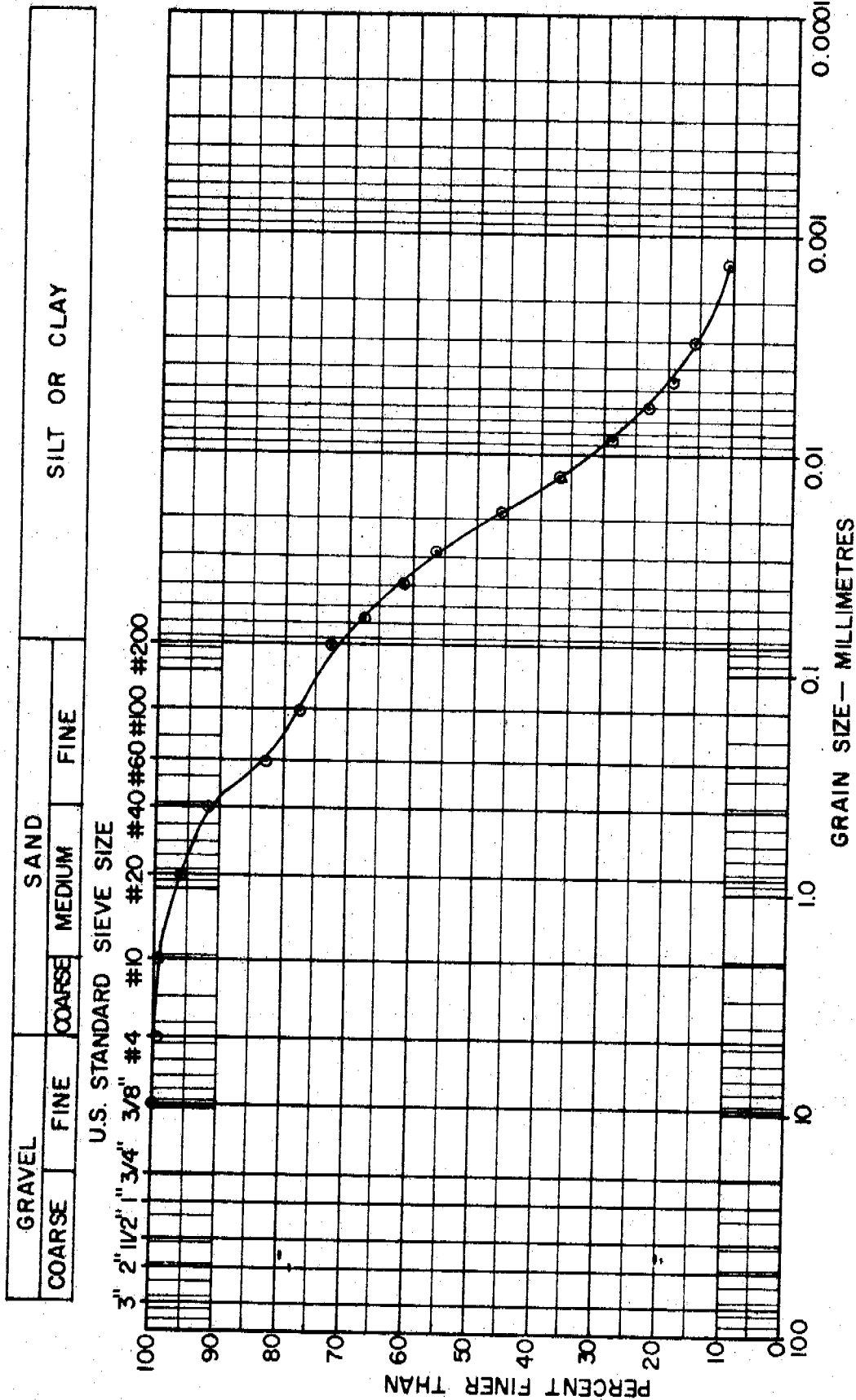
PROJECT

LOCATION

HOLE No. 386-C-B DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

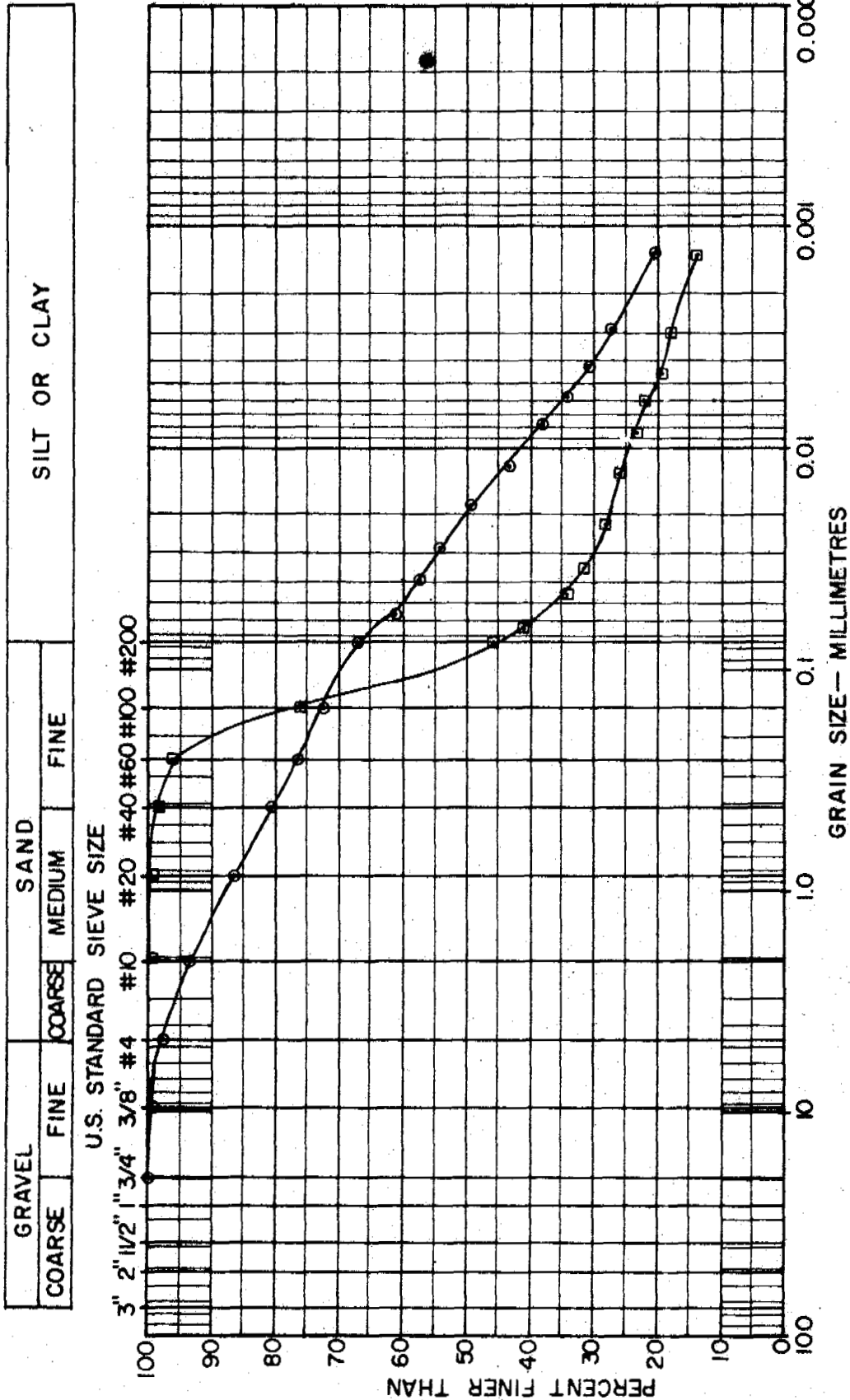
PROJECT

LOCATION 387-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

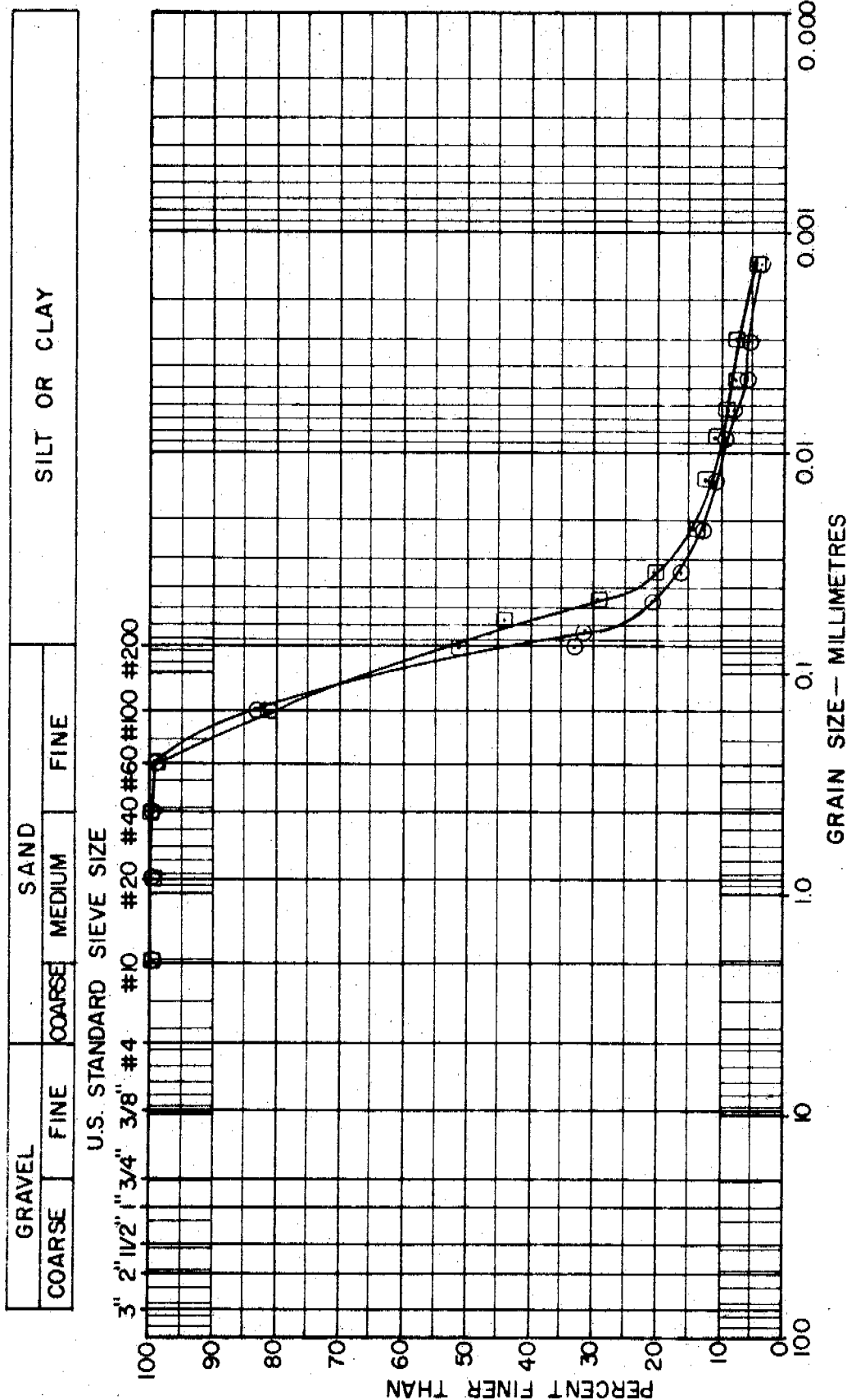
LOCATION 387-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample #2 10'

☐ Sample #1 5'



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JOB No. AL 0335

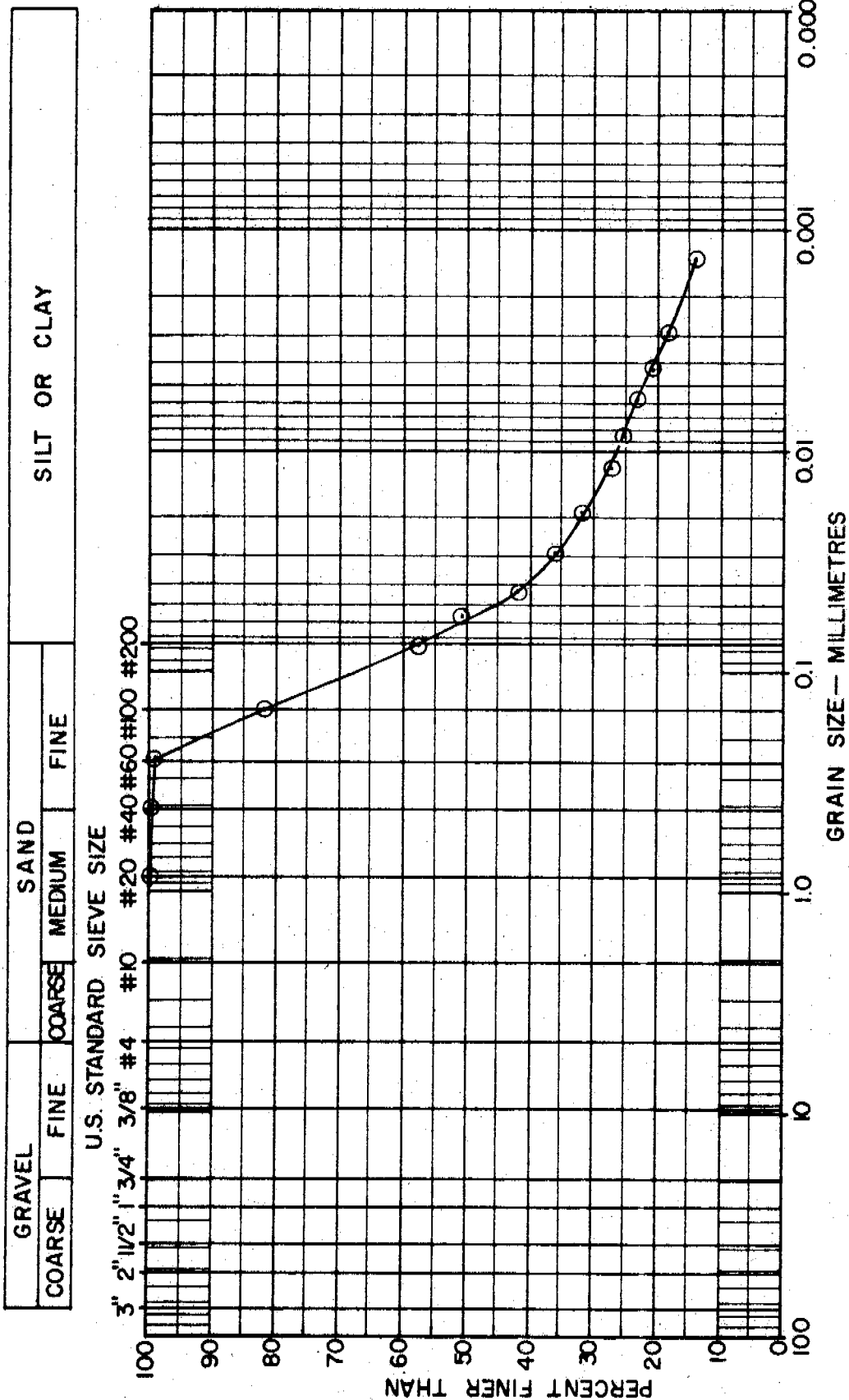
PROJECT

LOCATION

HOLE No. 388-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: Sample #1 pure organics - 4 ft.

⊙ Sample #2 - 5 ft.



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JOB No. AL 0335

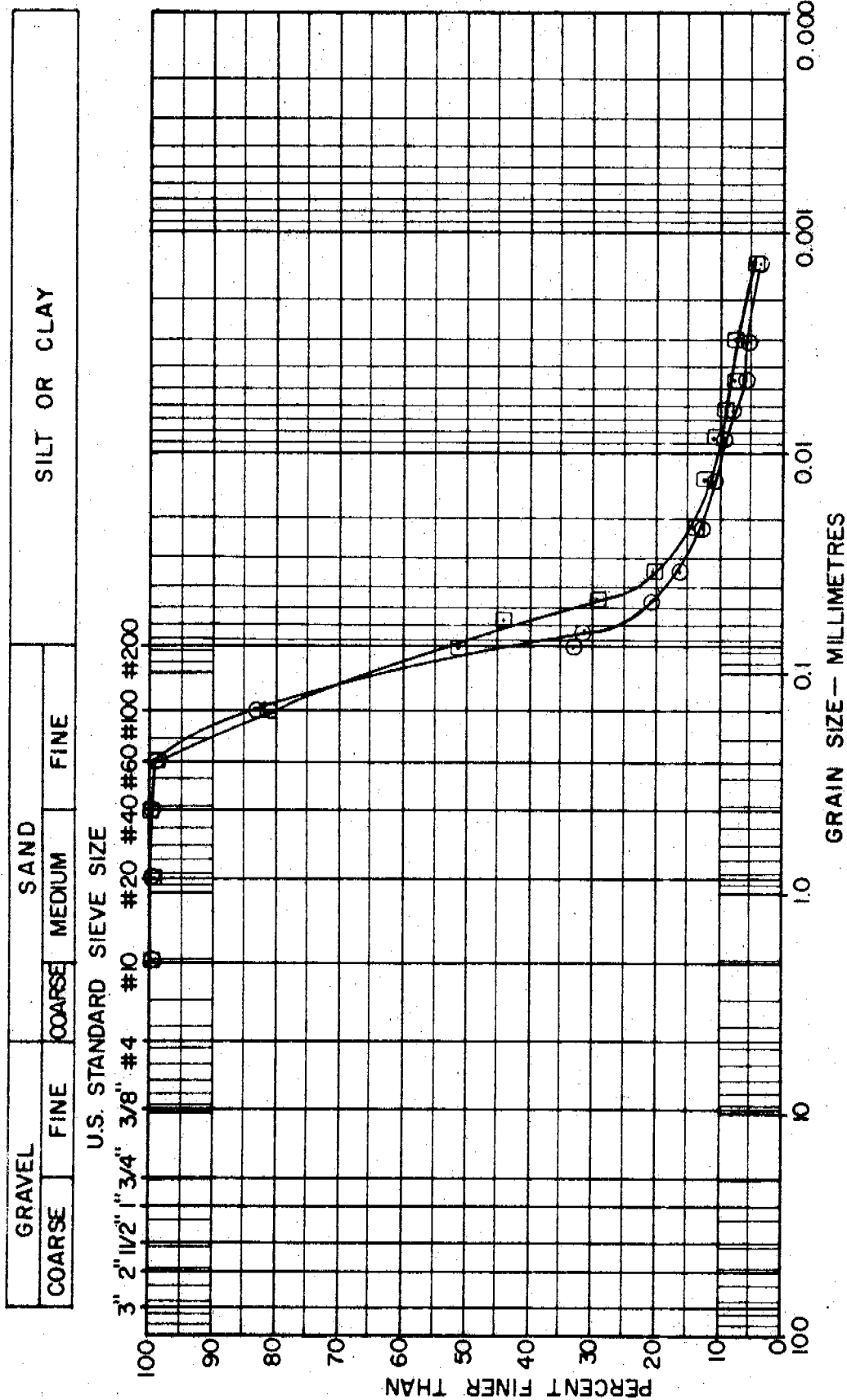
PROJECT

LOCATION

HOLE No. 390-C-E DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ☒ Sample #2 10'

☐ Sample #1 5'



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL 0335

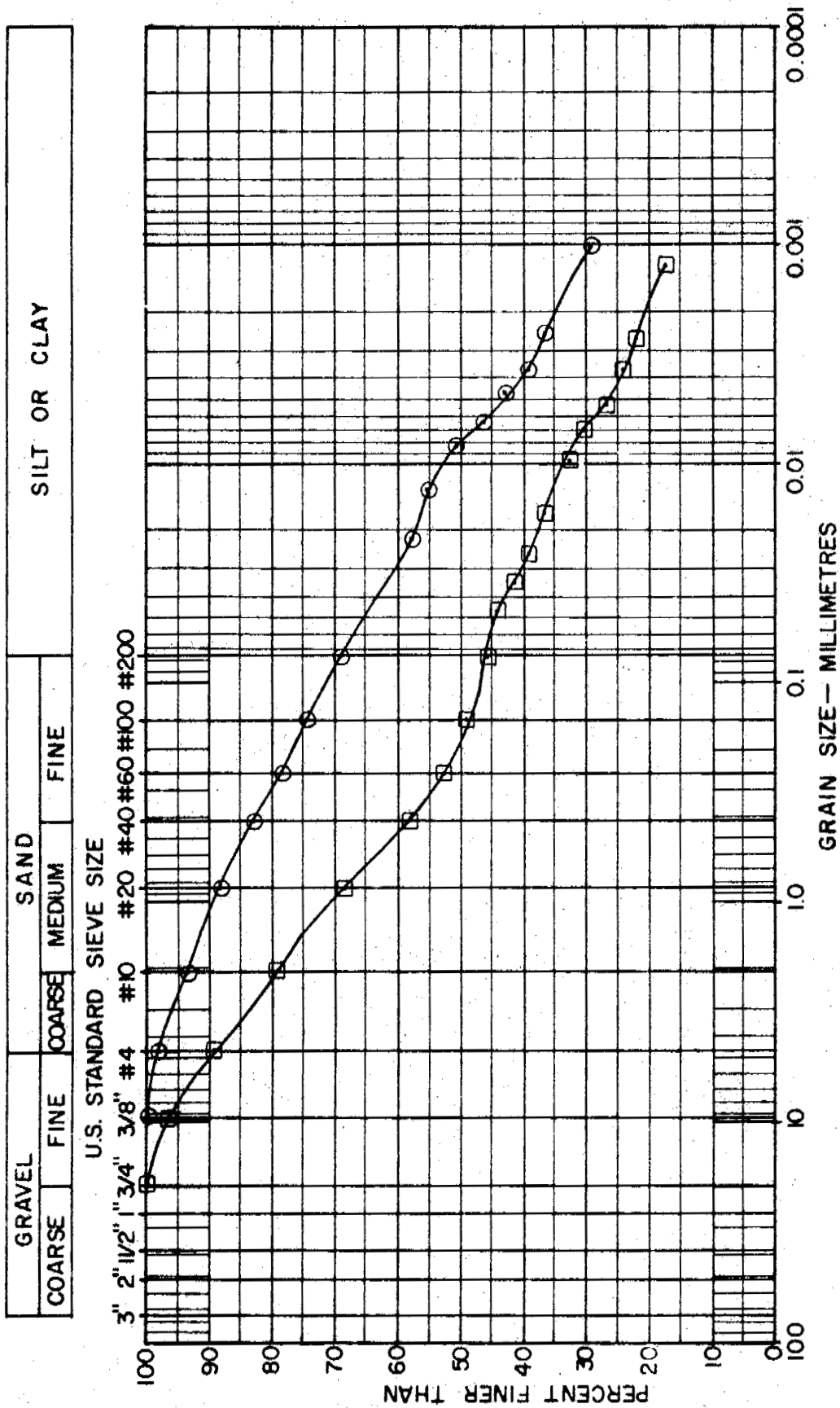
PROJECT

LOCATION

HOLE No. 388-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

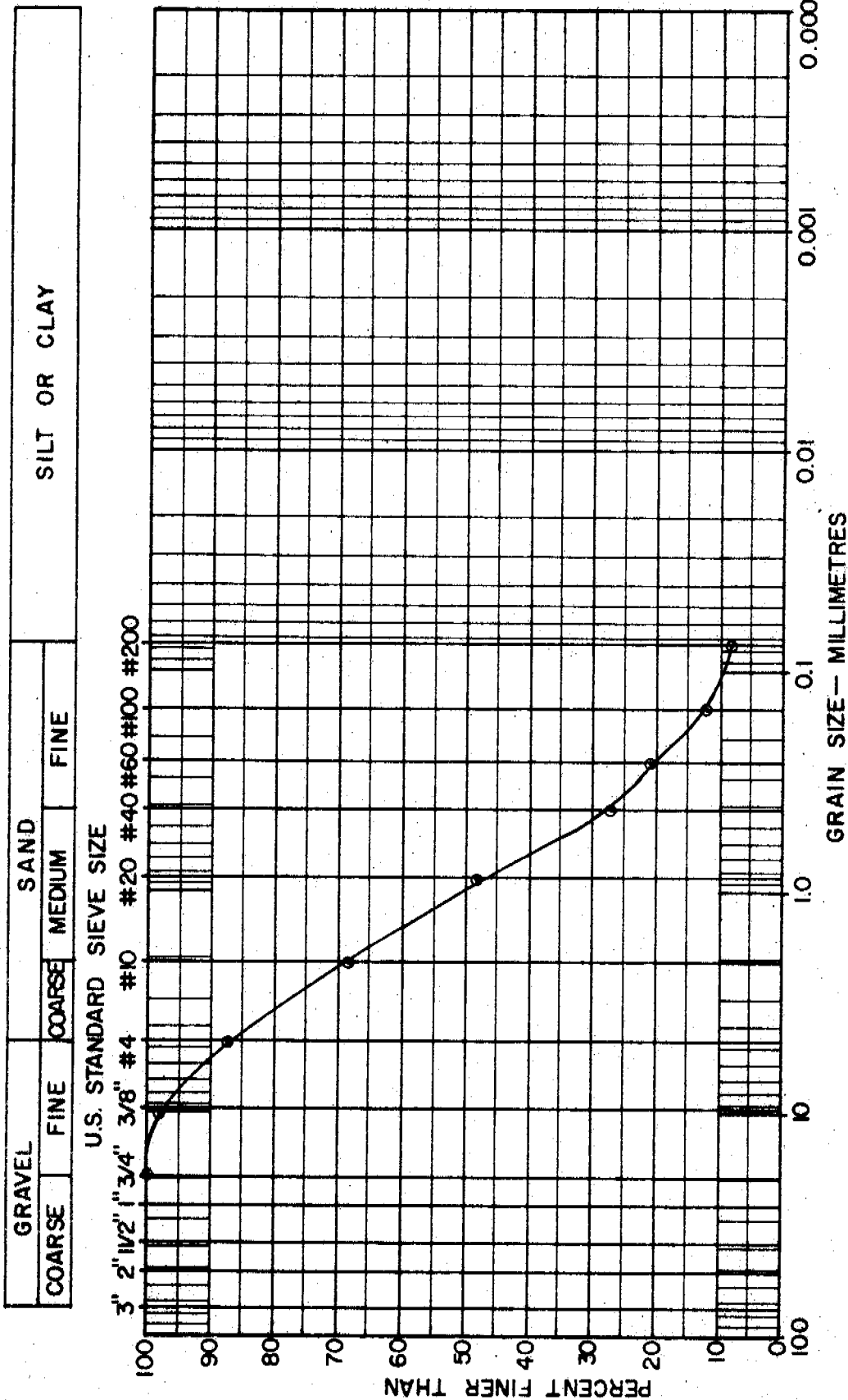
PROJECT

LOCATION

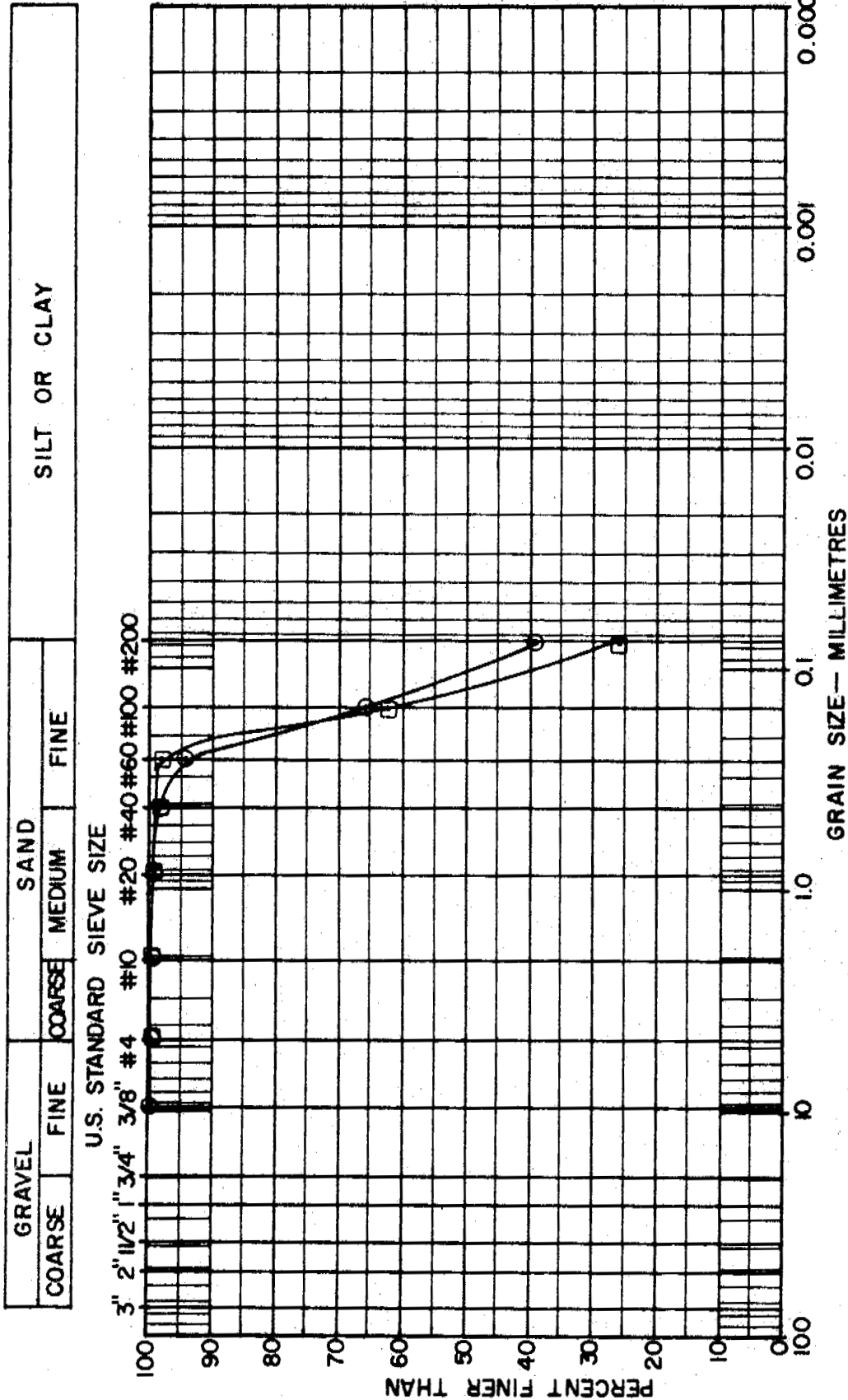
HOLE No. 389-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

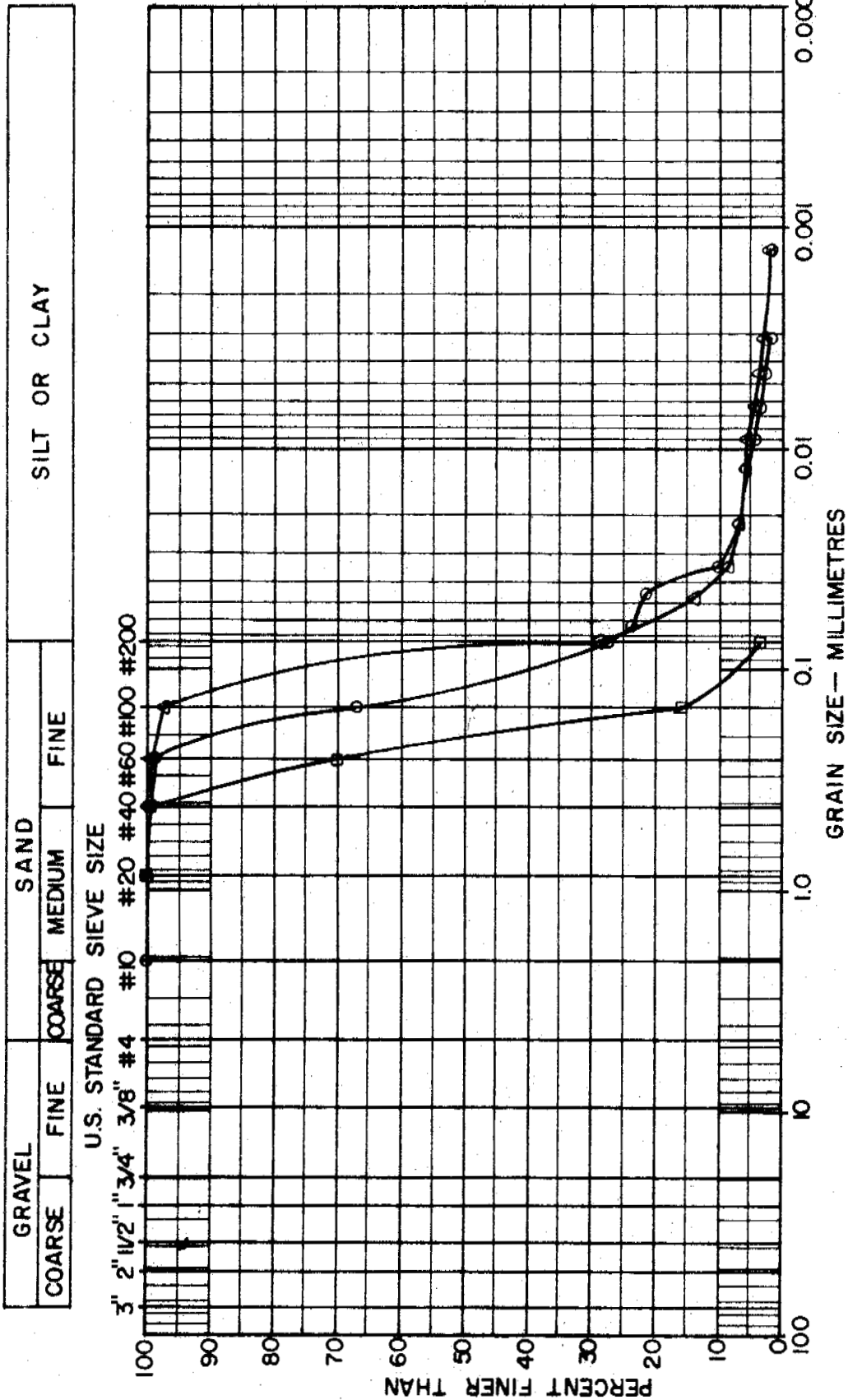
PROJECT

LOCATION

HOLE No. 392-C-E DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 2 - 10 ft.
 △ Sample No. 3 - 15 ft.
 □ Sample No. 5 - 25 ft.



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JOB No. AL0307

PROJECT

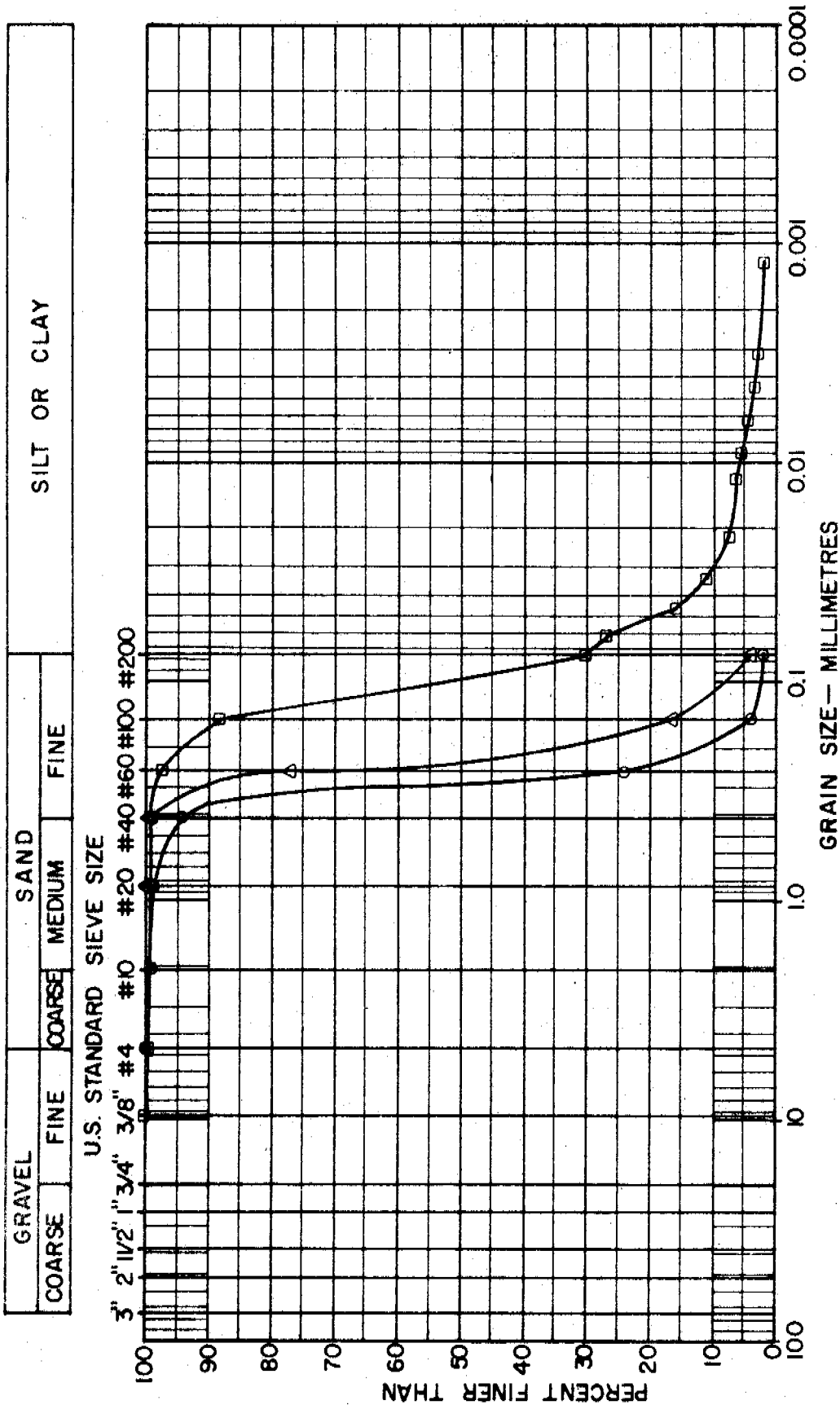
LOCATION 393-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 6 - 30 ft.
 △ Sample No. 7 - 35 ft.
 □ Sample No. 8 - 40 ft.



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JOB No. AL0307

PROJECT

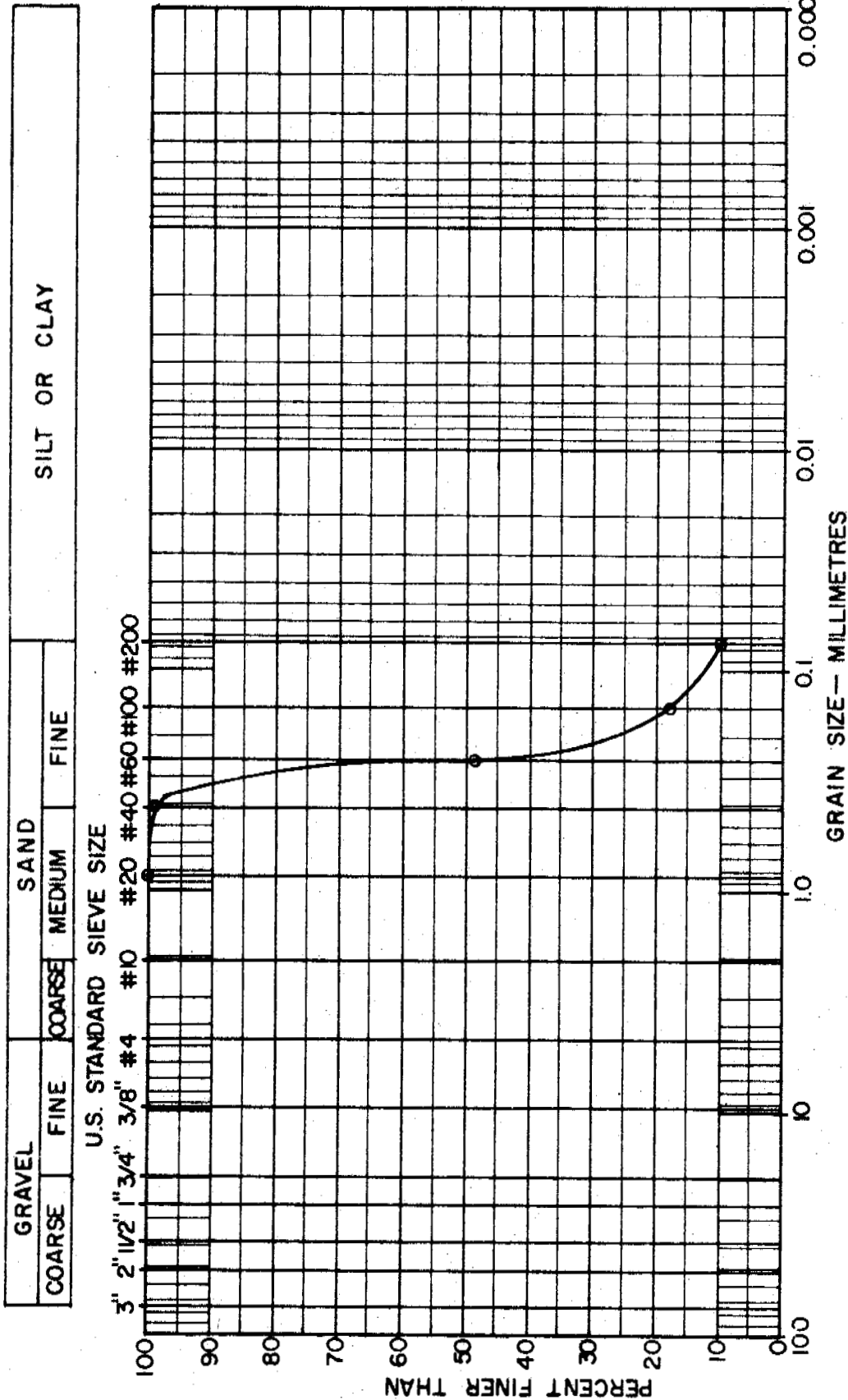
LOCATION 393-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: o Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

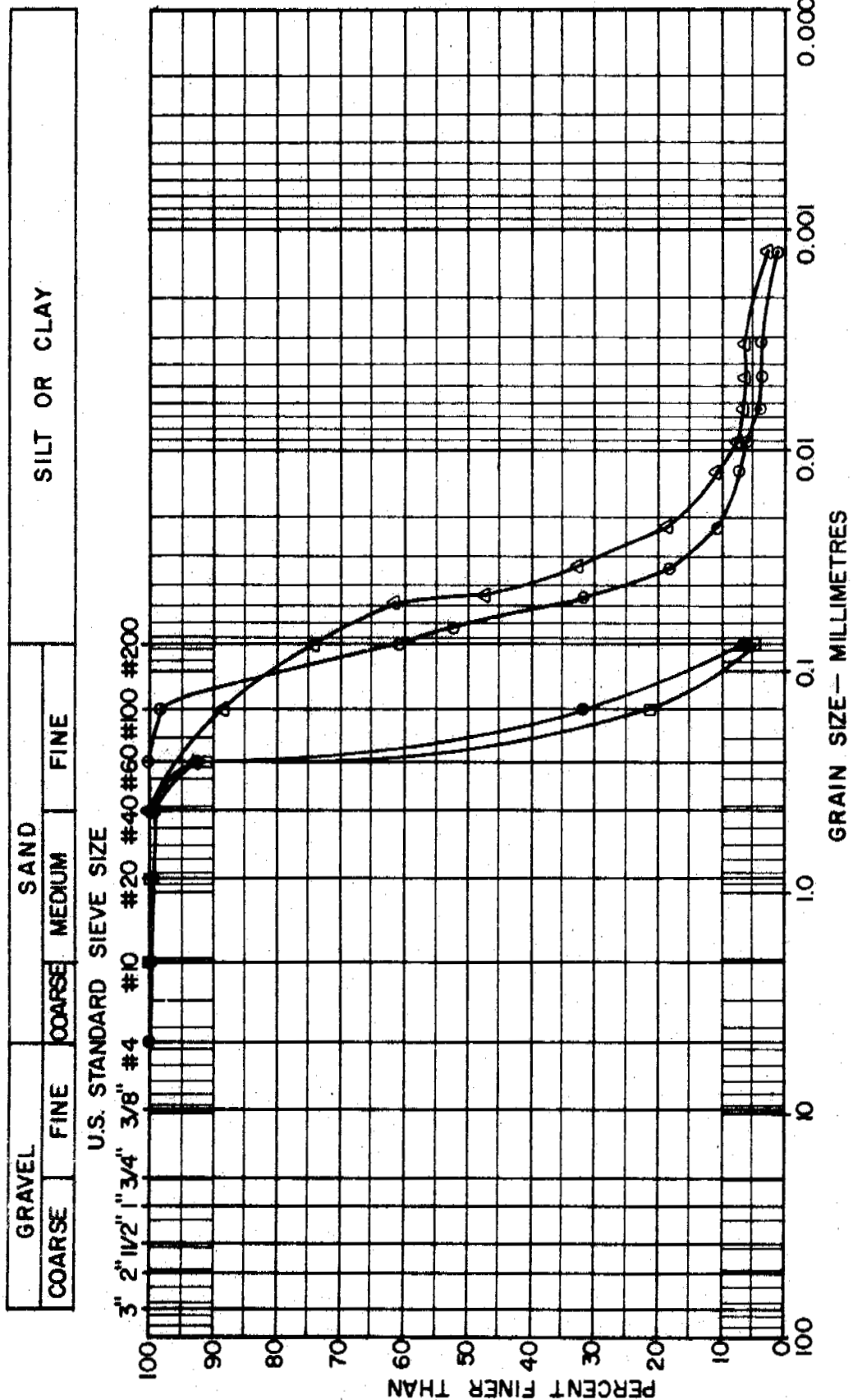
PROJECT

LOCATION 393-S-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

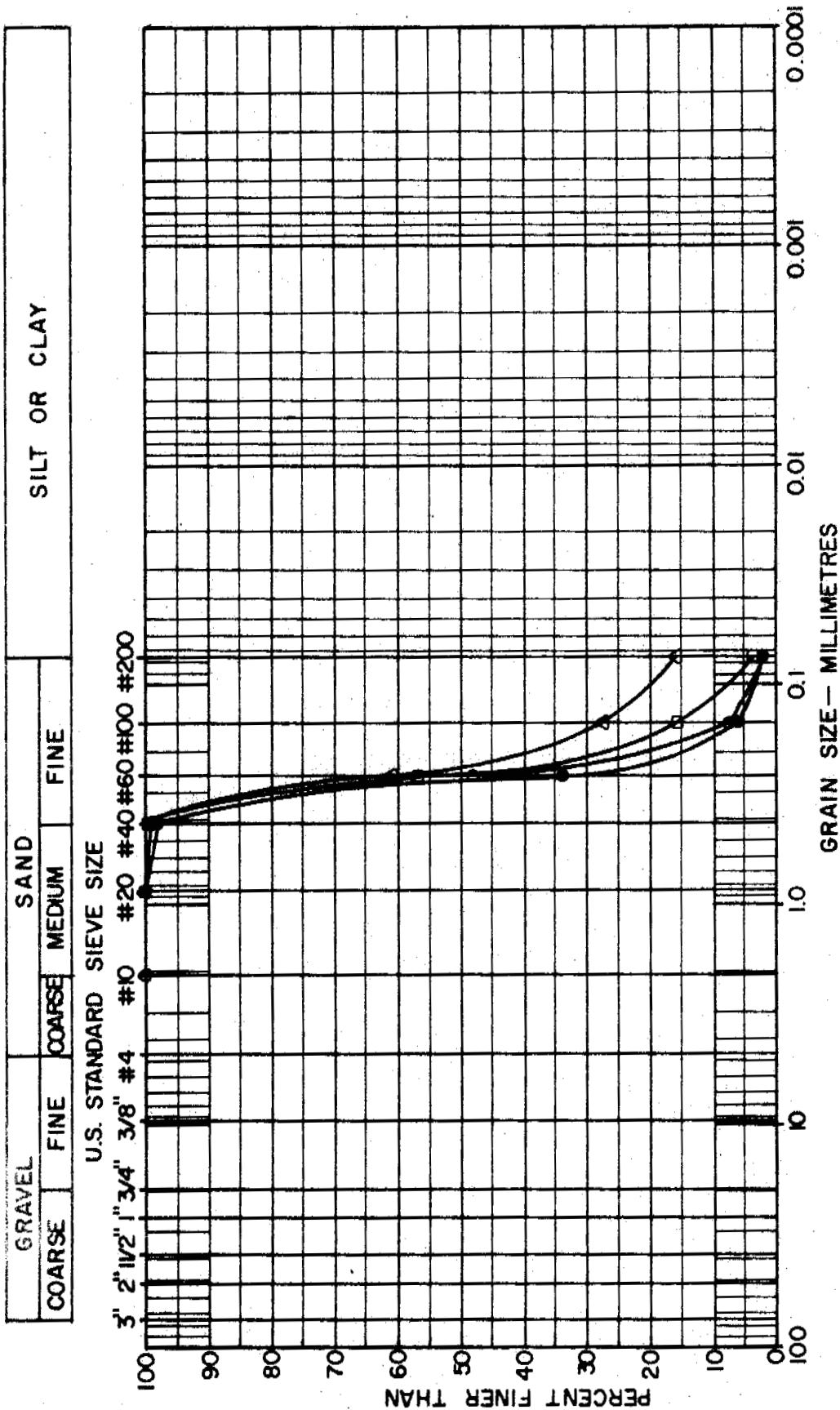
LOCATION 393-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● 25 ft. - 26 ft. 6 inches

○ 30 ft. - 31 ft. 6 inches

△ 35 ft.

□ 45 ft.



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JOB No. AL0307

PROJECT

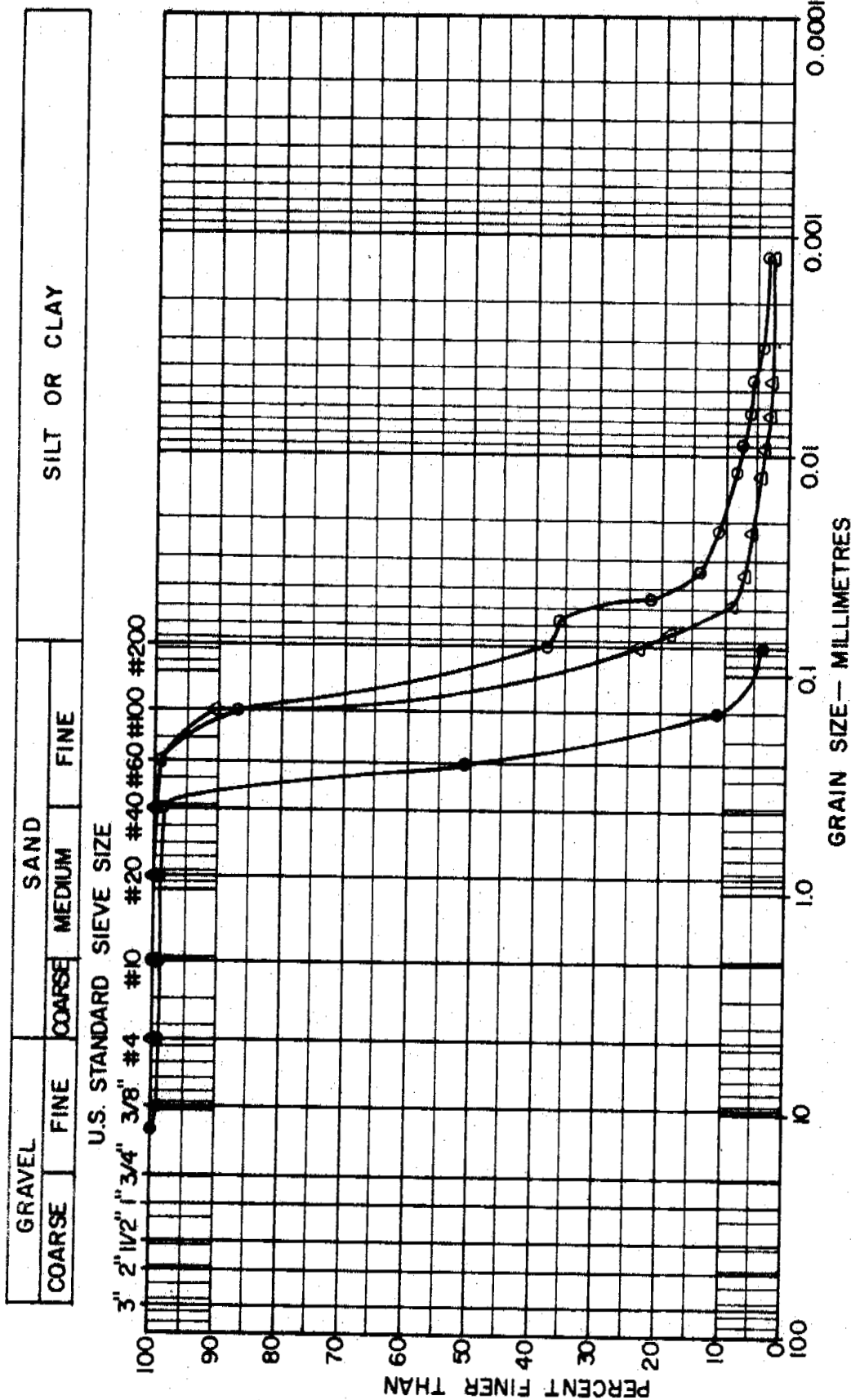
LOCATION 393-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● - 55 ft.

○ - 65 ft.

△ - 75 ft.



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JOB No. AL0307

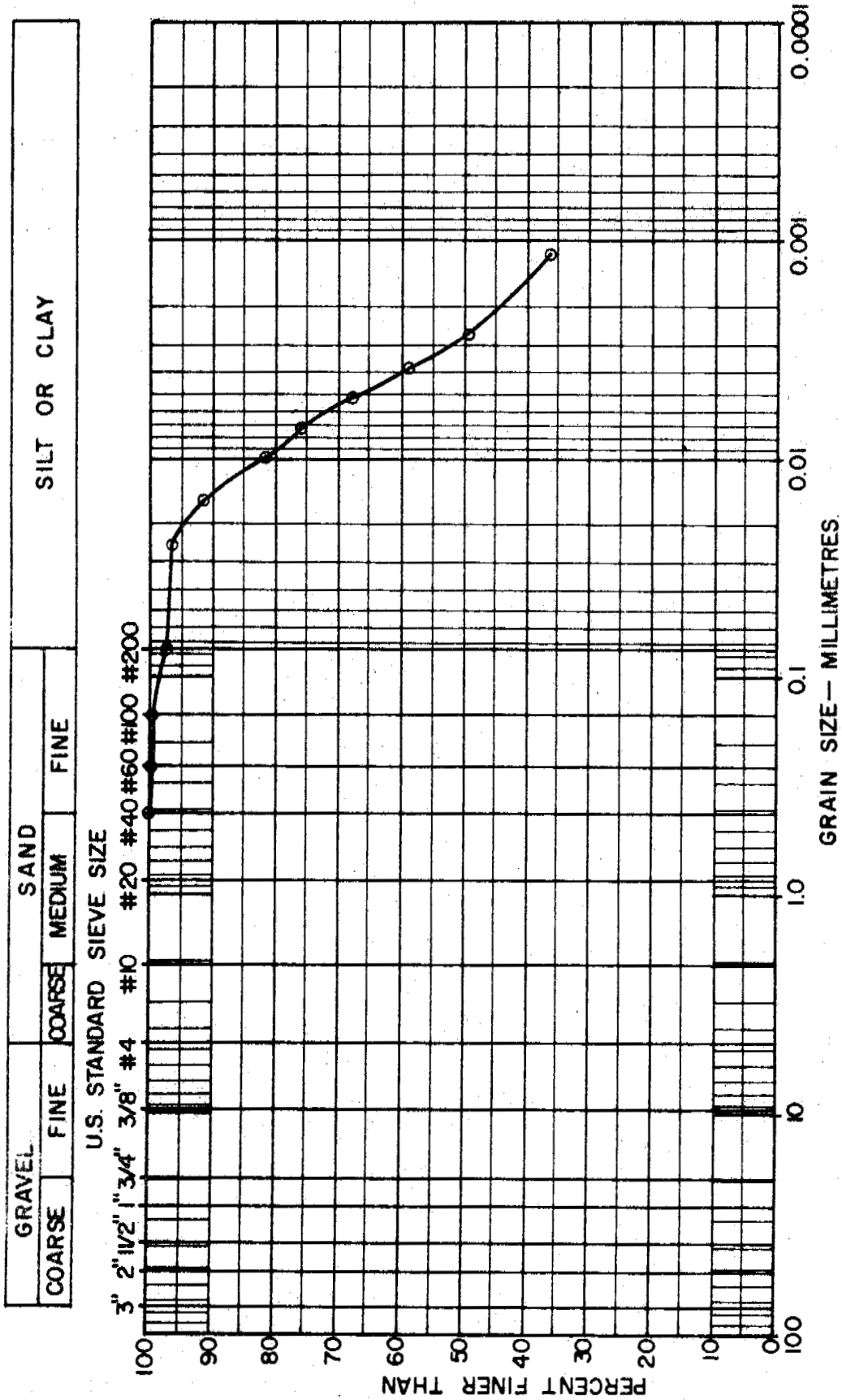
PROJECT

LOCATION 393-S-F

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: 0 - 25 ft.

JOB No. AL0307

PROJECT

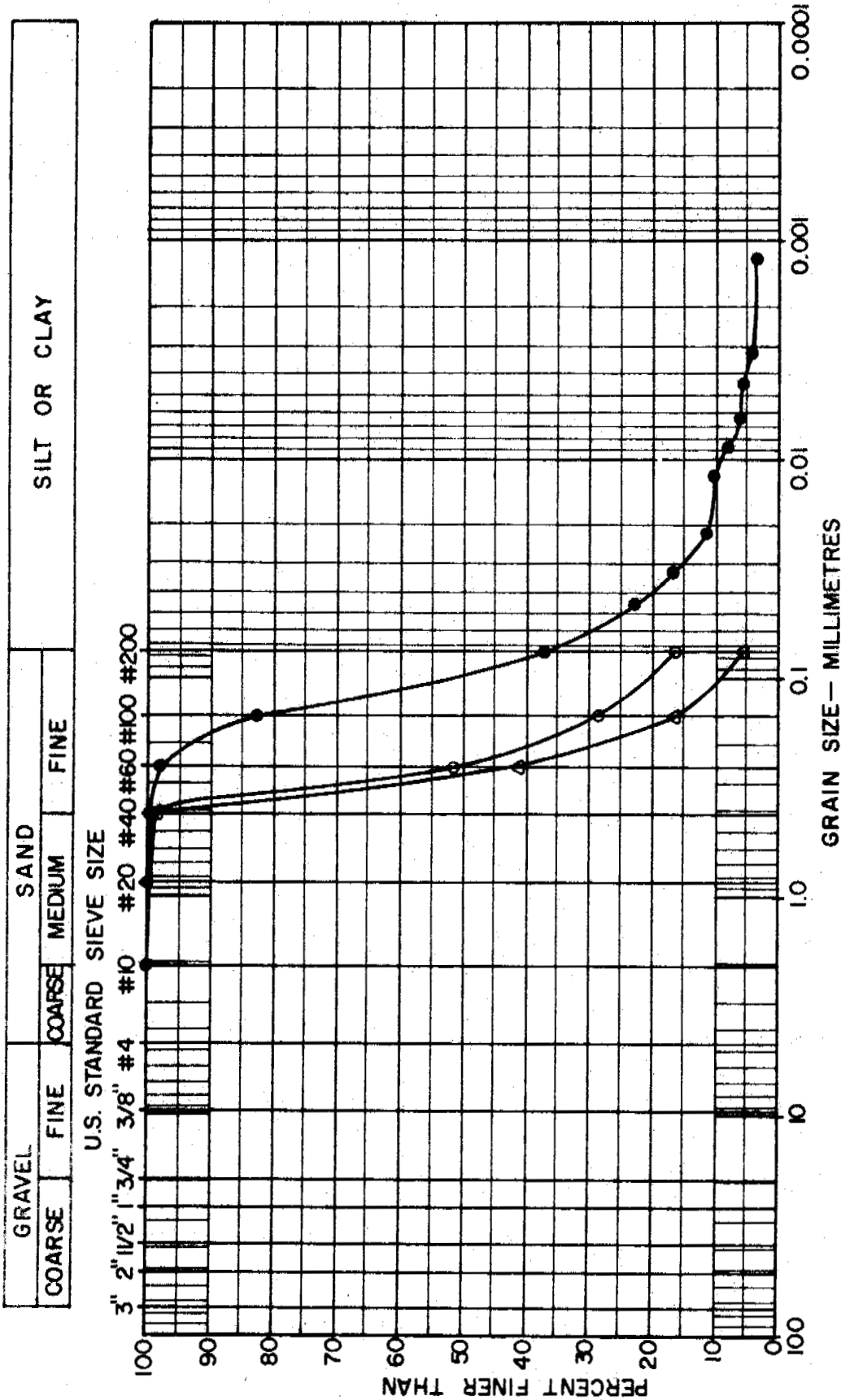
LOCATION 393-S-G

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

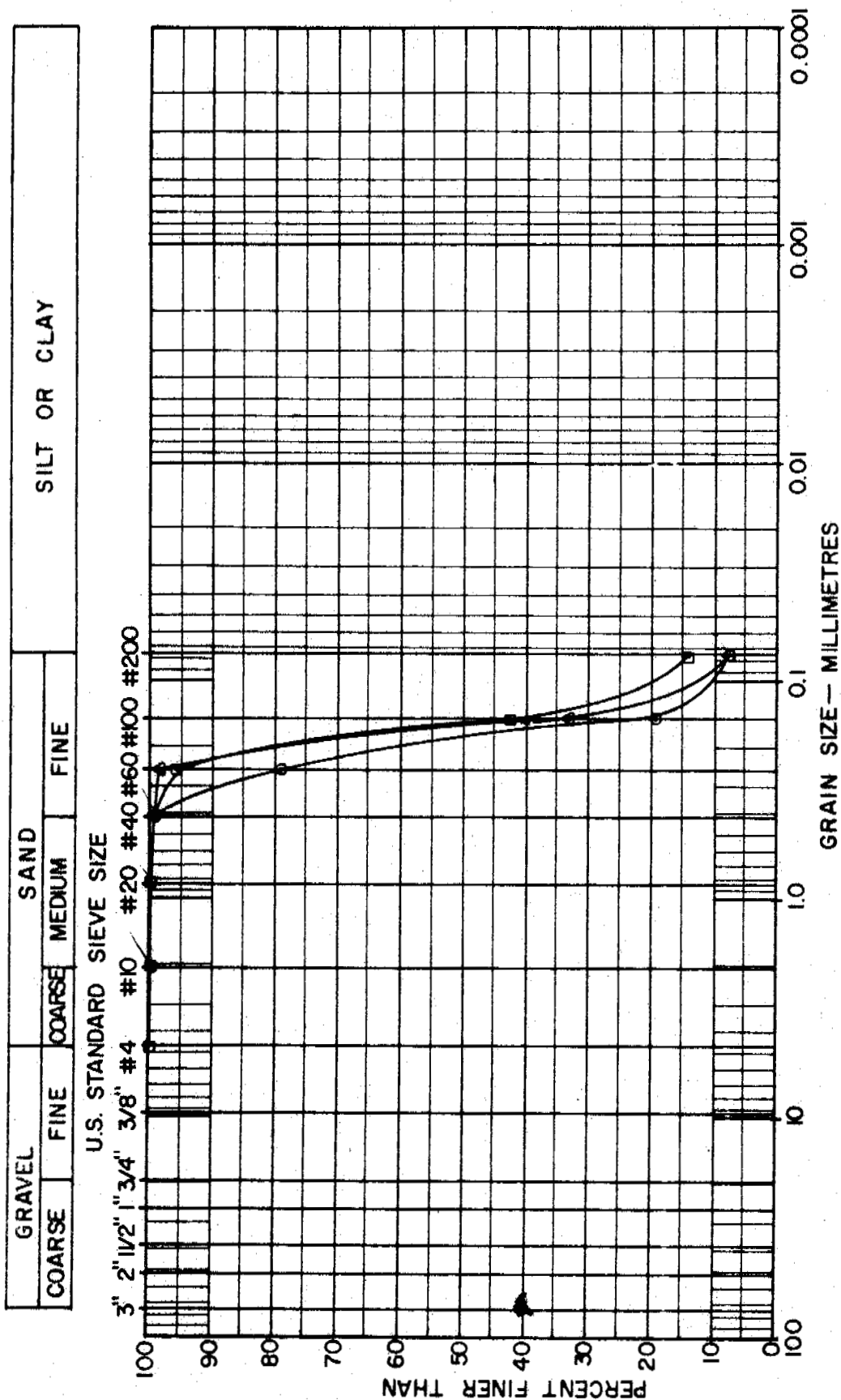
PROJECT

LOCATION 393-S-S

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 55 - 56.6 ft.

□ 66 ft.

△ 70 ft.



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JOB No. AL0307

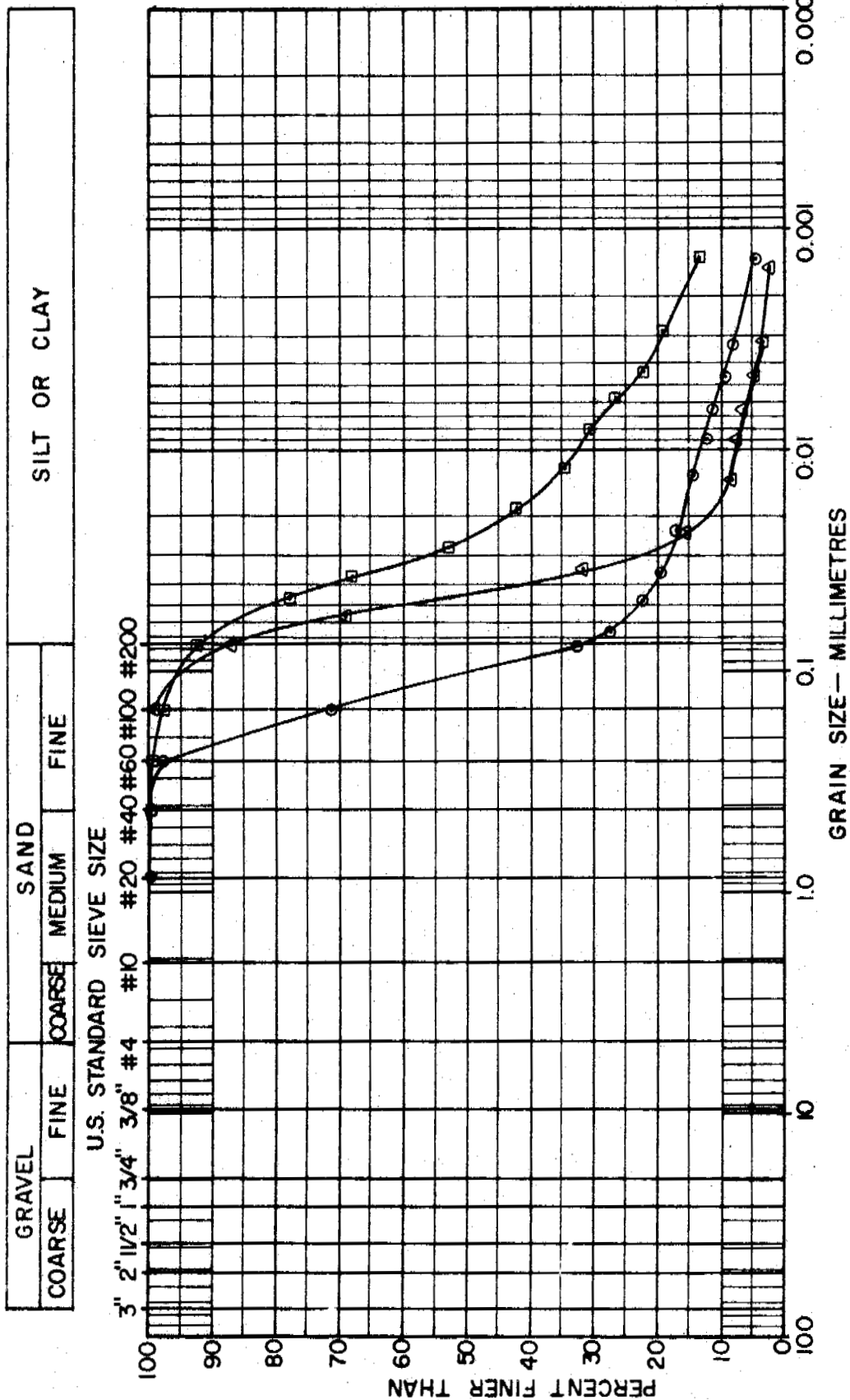
PROJECT

LOCATION 393-S-S

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 9 - 40 ft.



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JOB No. AL0307

PROJECT

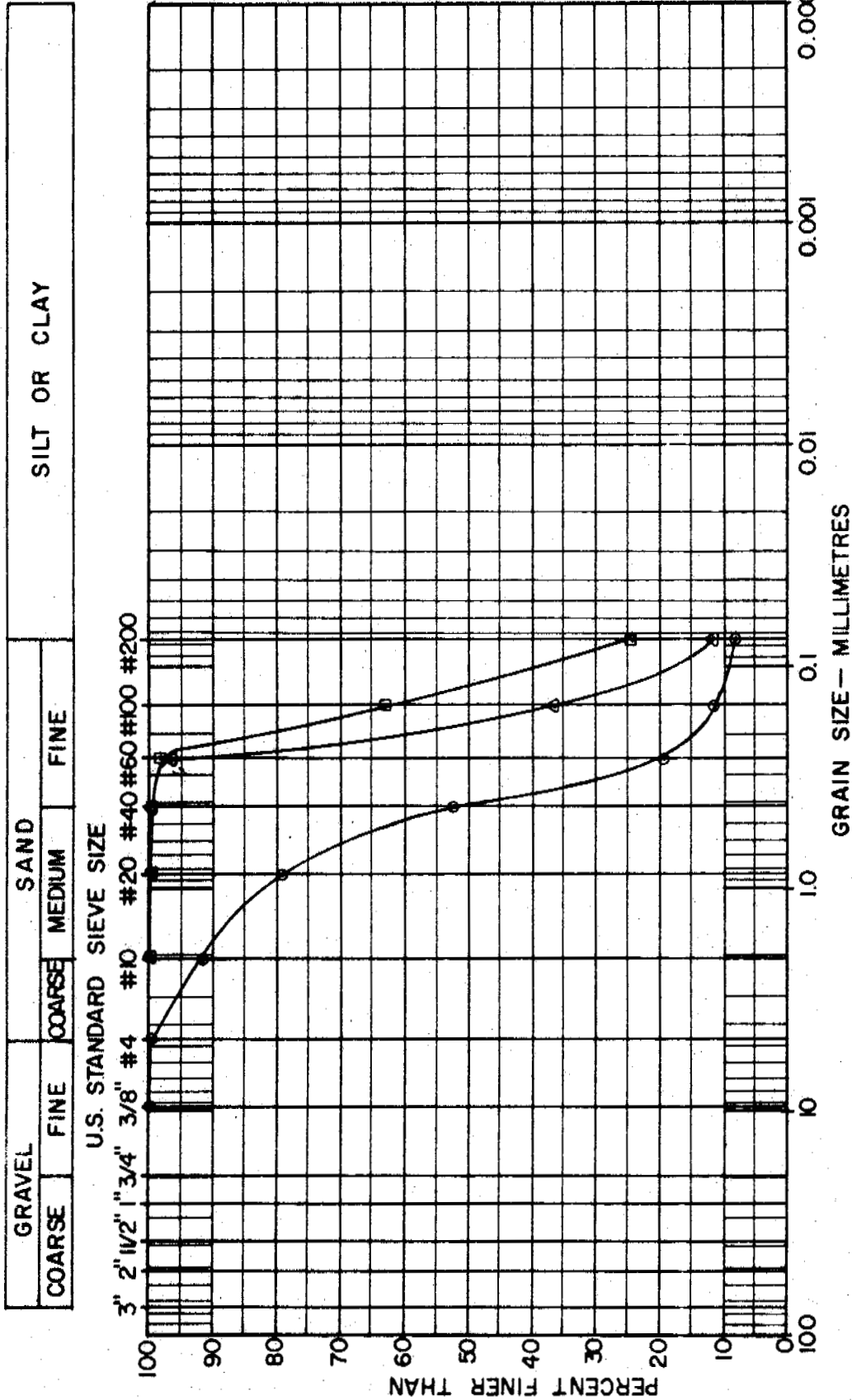
LOCATION 394-C-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 4 - 20 ft.

☐ Sample No. 7 - 30 ft.

☐ Sample No. 6 - 24 ft.



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JOB No. AL0307

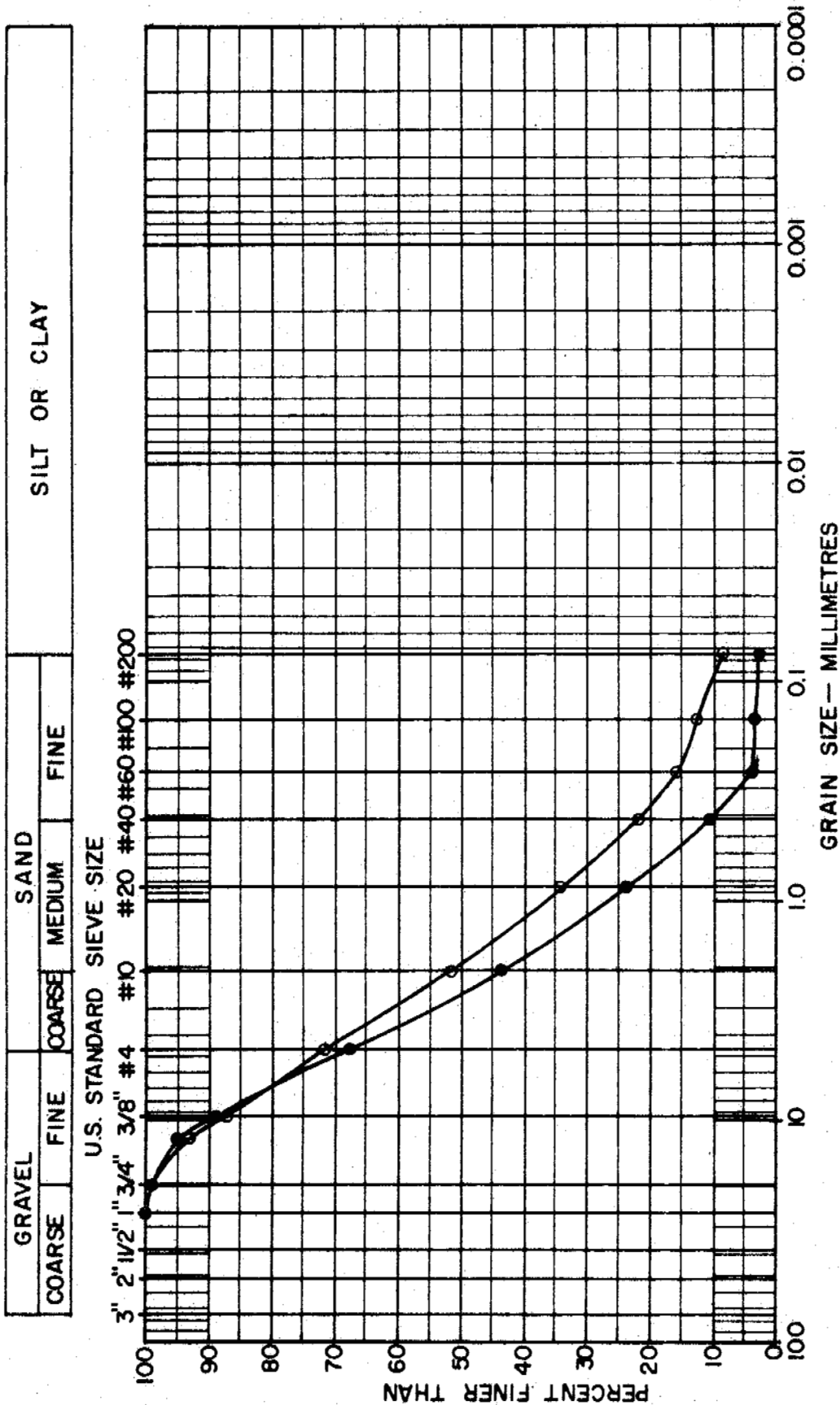
PROJECT

LOCATION 394-C-B

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

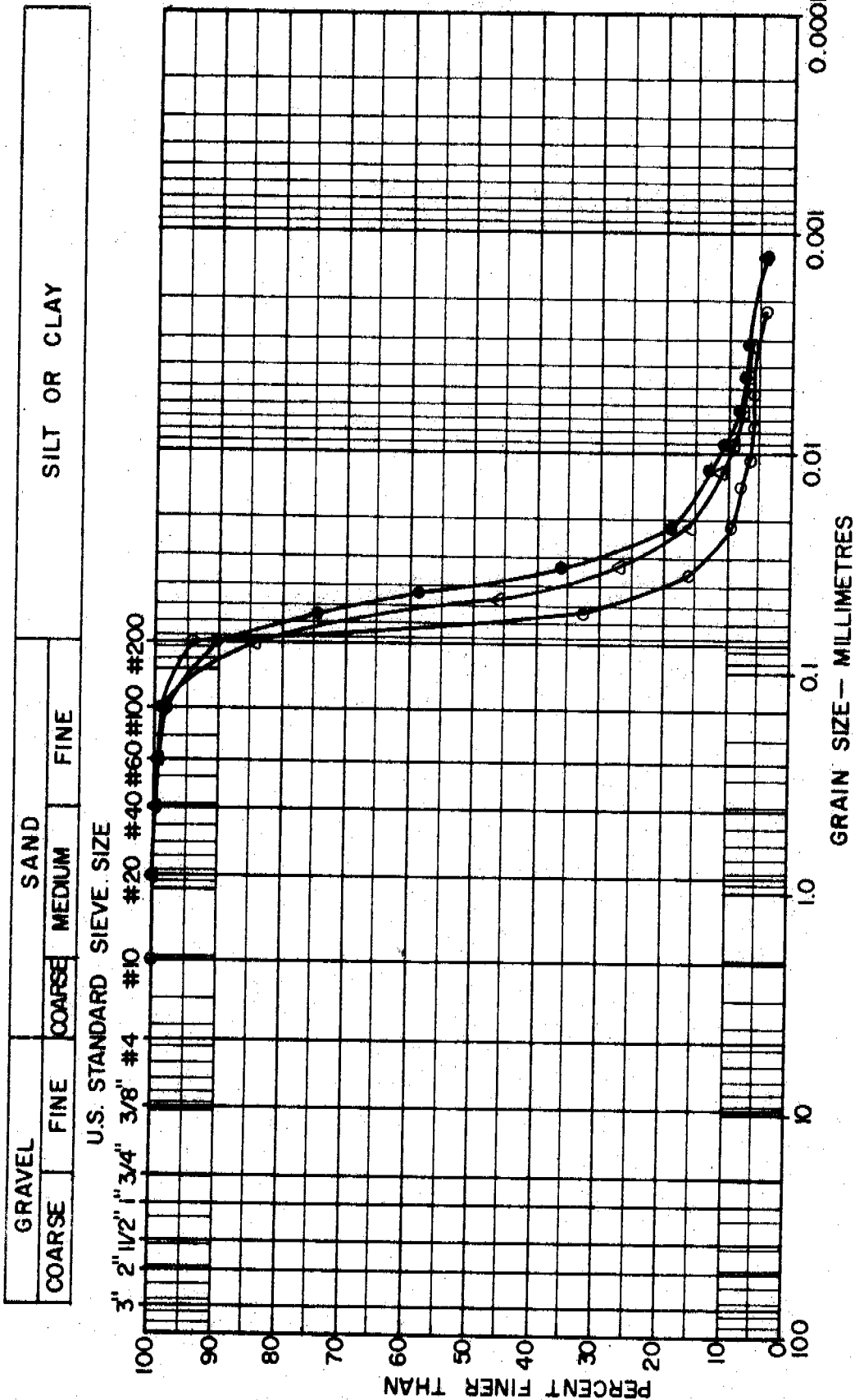
LOCATION 394-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● Sample No. 1 - 20 ft - 21 ft. 6 inches.
 ○ Sample No. 2 - 30 ft. - 31 ft. 6 inches.
 △ Sample No. 3 - 40 ft. - 40 ft. 6 inches.



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

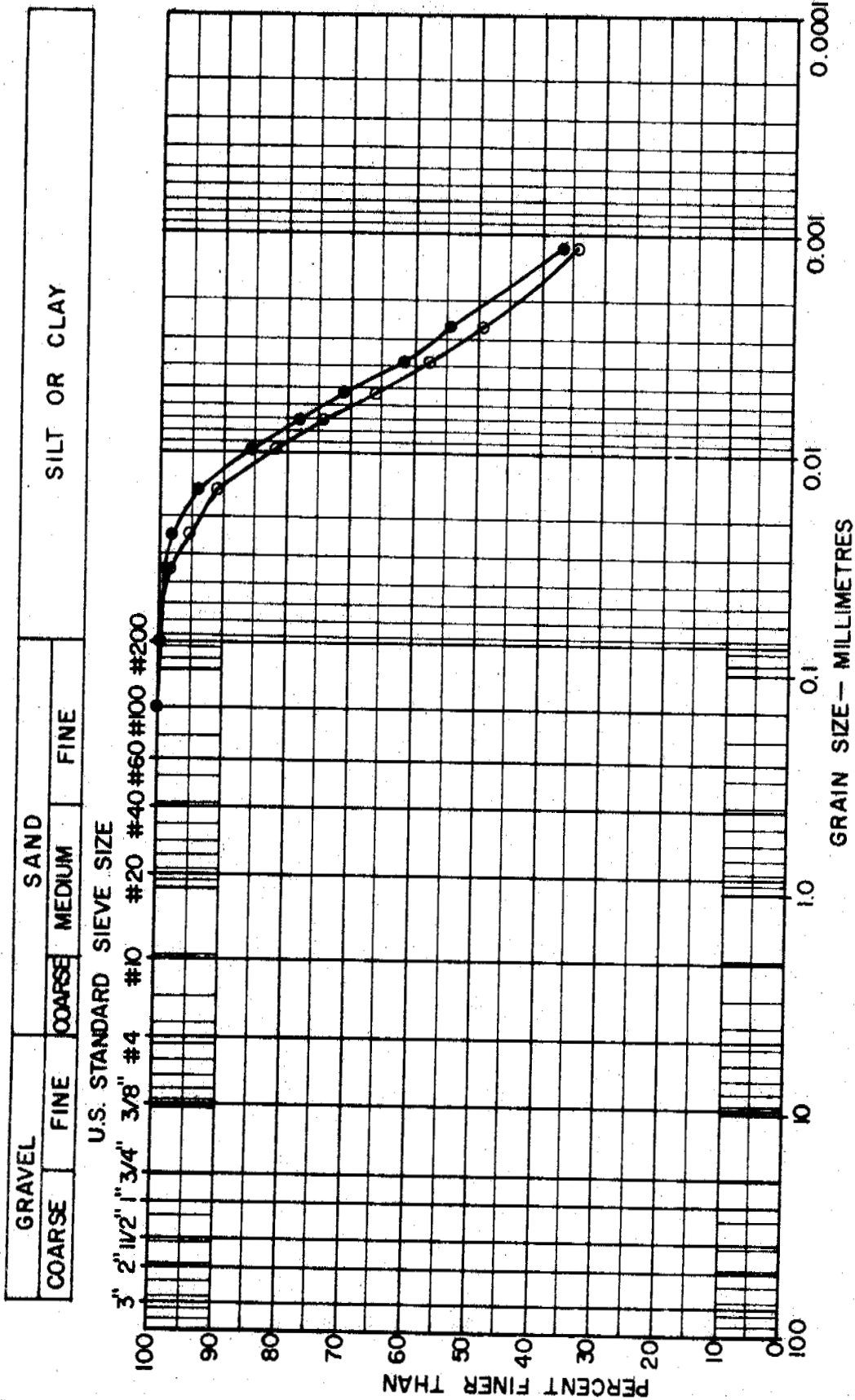
PROJECT

LOCATION 394-S-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

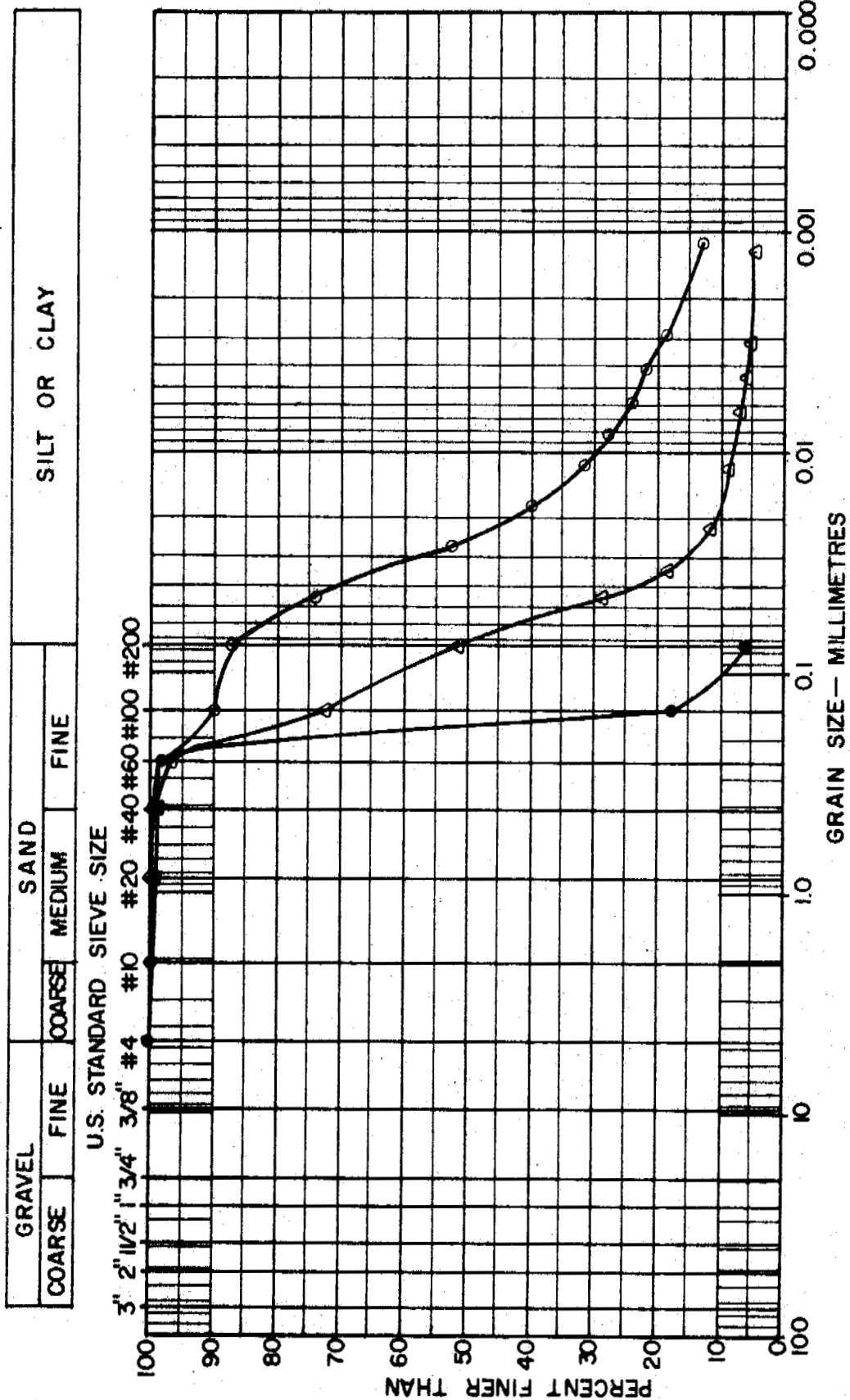
PROJECT

LOCATION 394-S-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

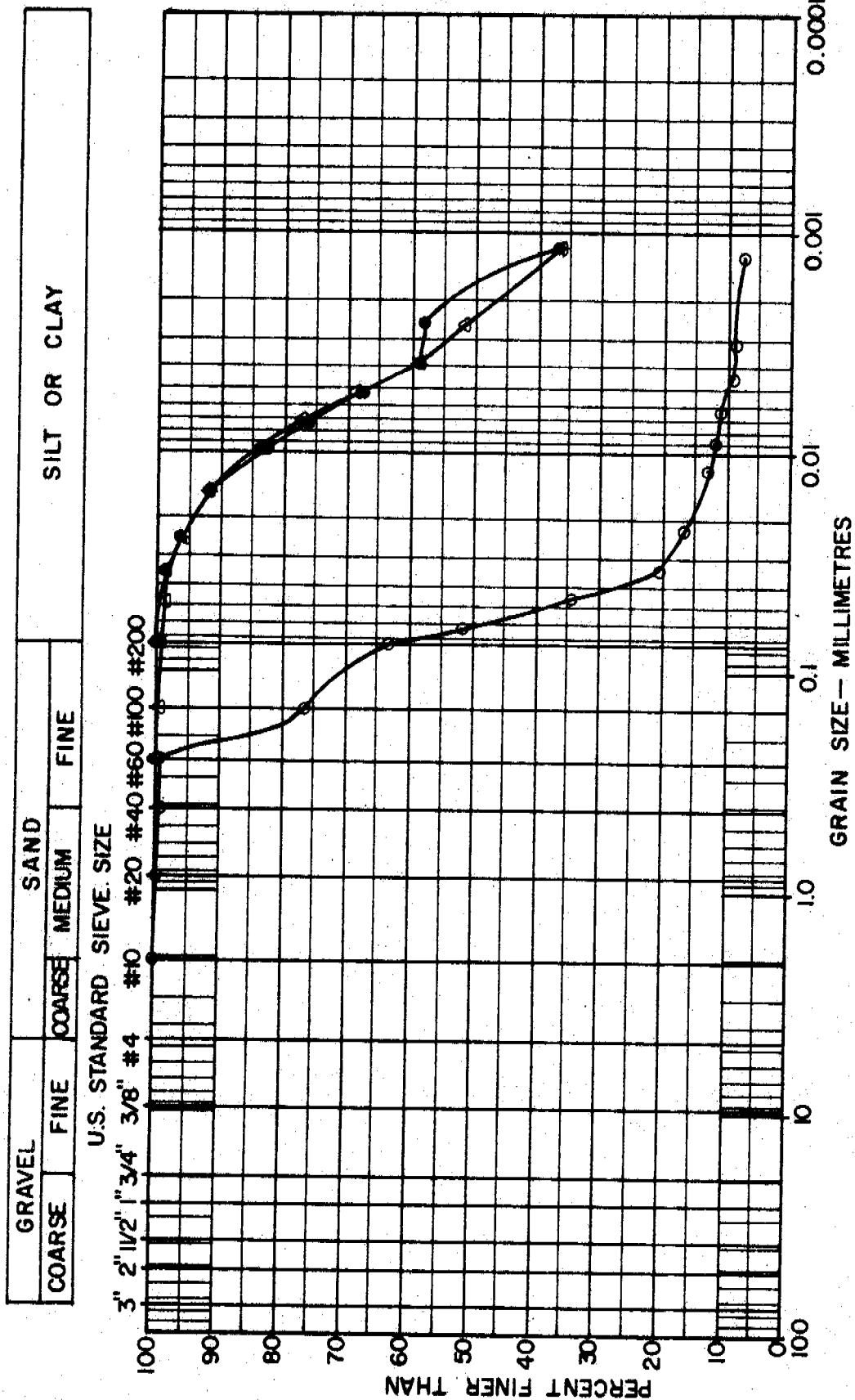
LOCATION 394-S-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. ALQ307

PROJECT

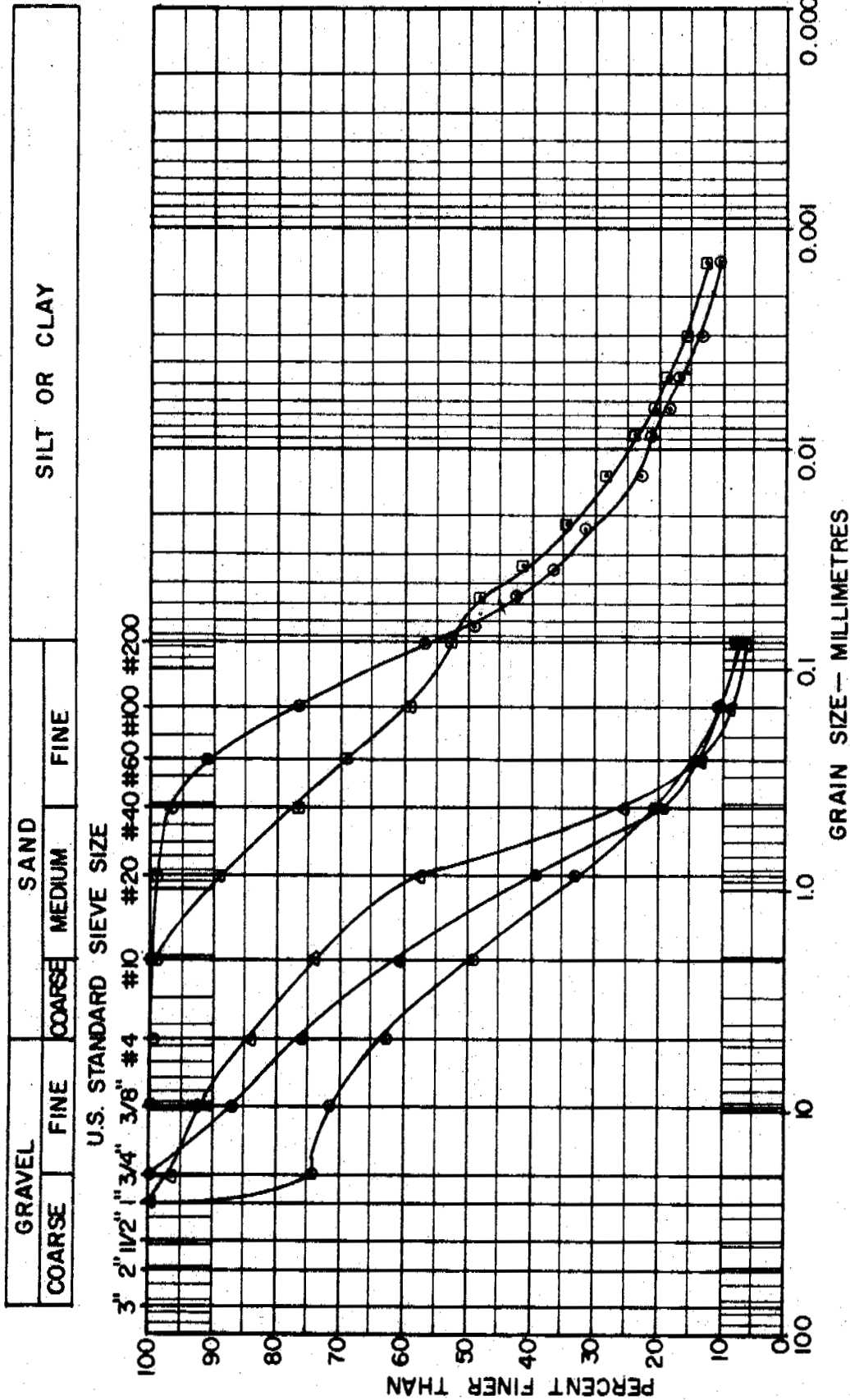
LOCATION 394-S-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 - 6.6 ft.

□ Sample No. 2 - 10 - 11.6 ft.

△ Sample No. 4 - 20 - 21.6 ft.

○ Sample No. 5 - 25 - 26.6 ft.

● Sample No. 6 - 30 - 31.6 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

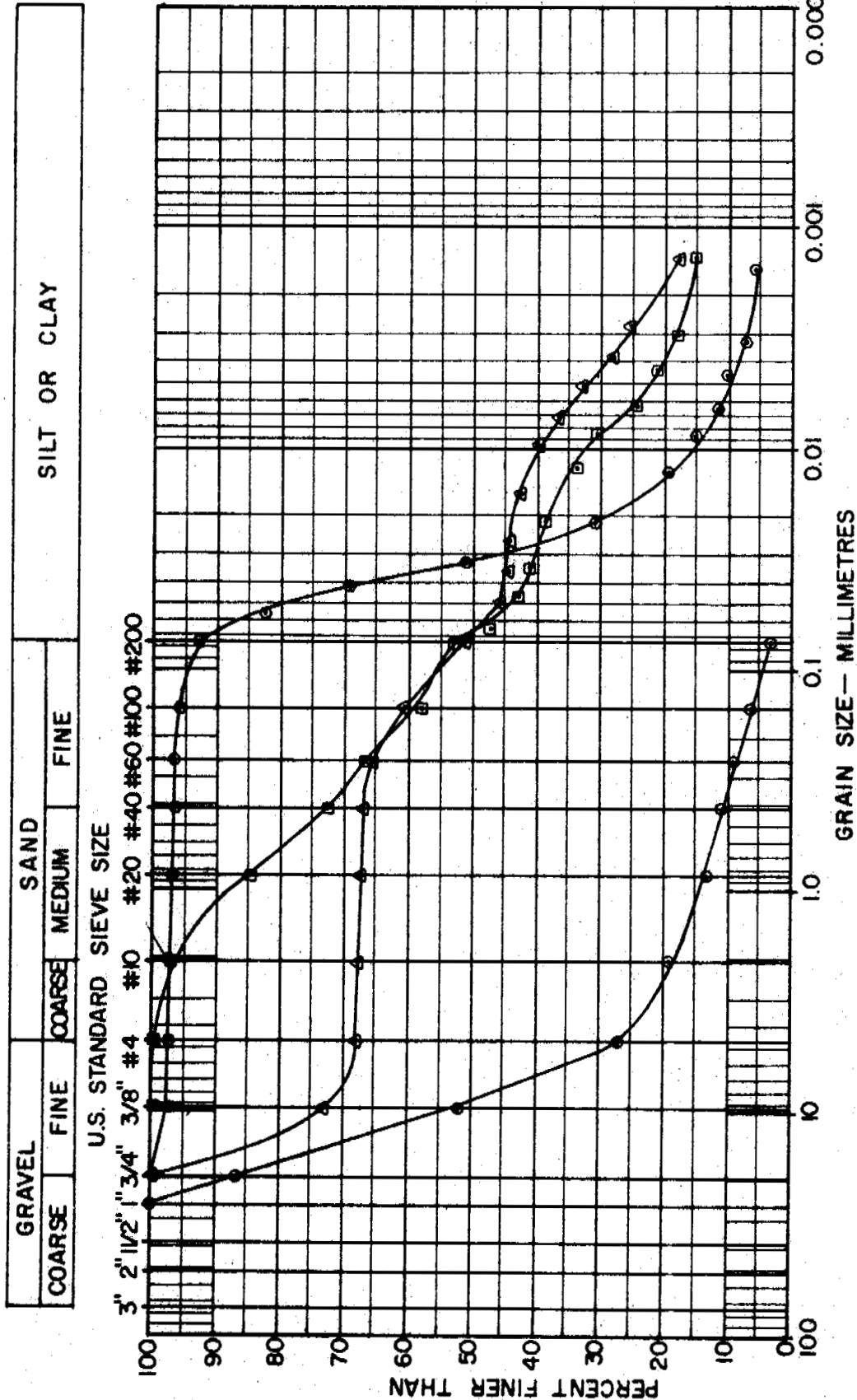
PROJECT

LOCATION 394-S-F

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 7 - 40 ft.

□ Sample No. 8 - 45 ft.

△ Sample No. 9 - 50 ft.

◇ Sample No 11 - 60 ft.

JOB No. AL0307

PROJECT

LOCATION 394-S-F

HOLE No.

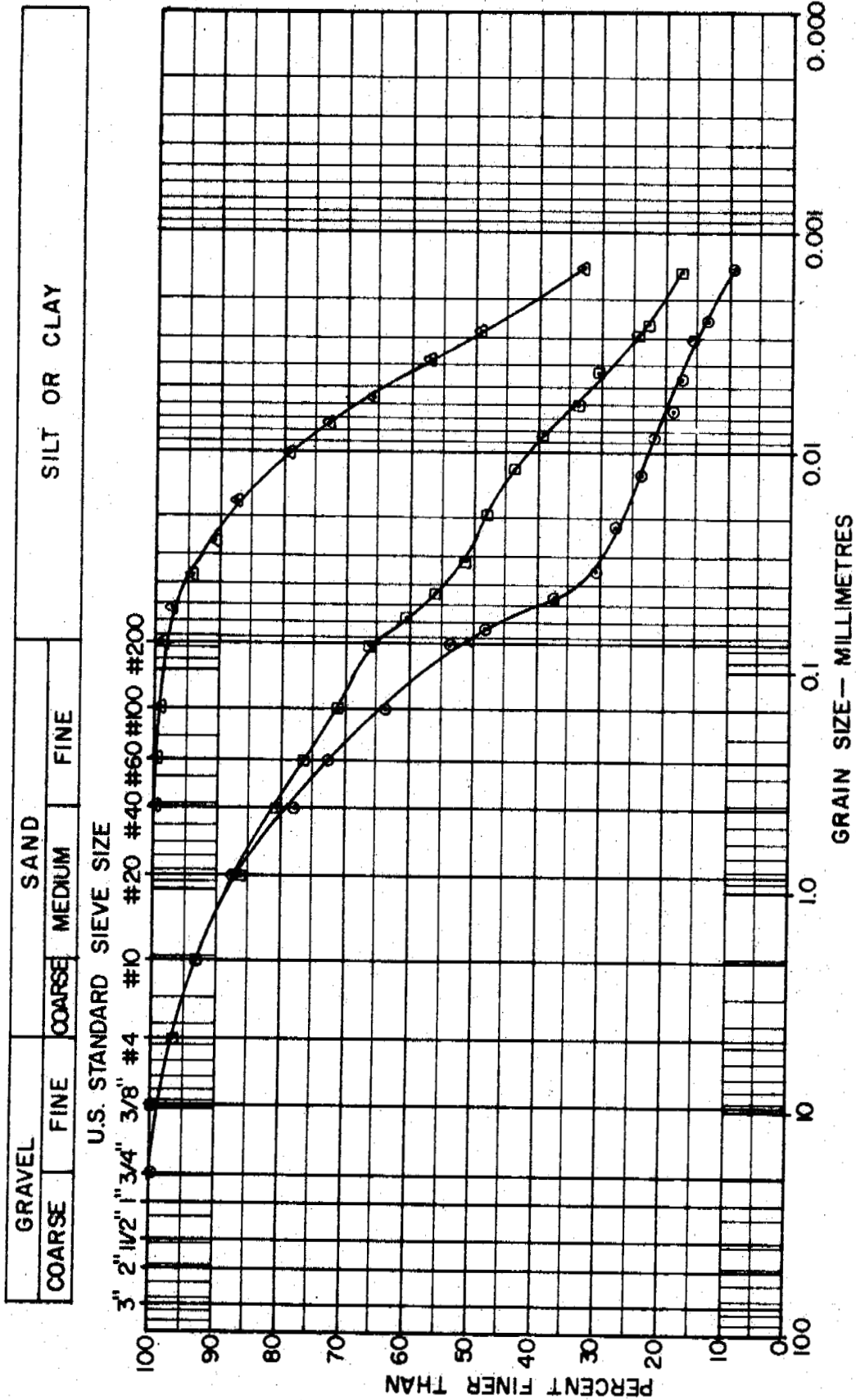
DEPTH

DATE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

GRAIN SIZE CURVE



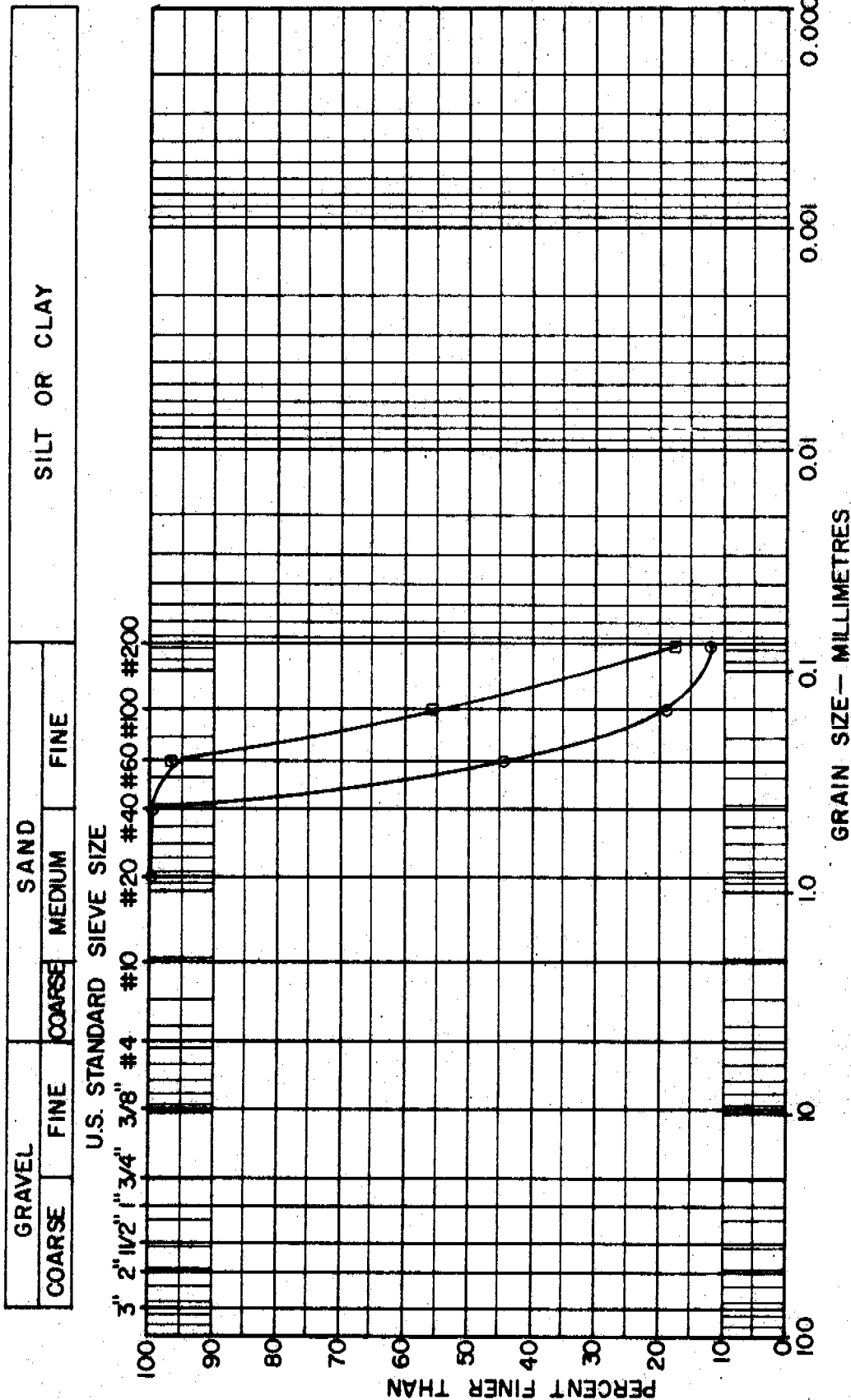
REMARKS: ☒ Sample No. 12 - 70 ft.
☒ Sample No. 14 - 80 ft.
☒ Sample No. 16 - 100 ft.



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JOB No.	AL0307
PROJECT	
LOCATION	394-S-F
HOLE No.	DEPTH
DATE	

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

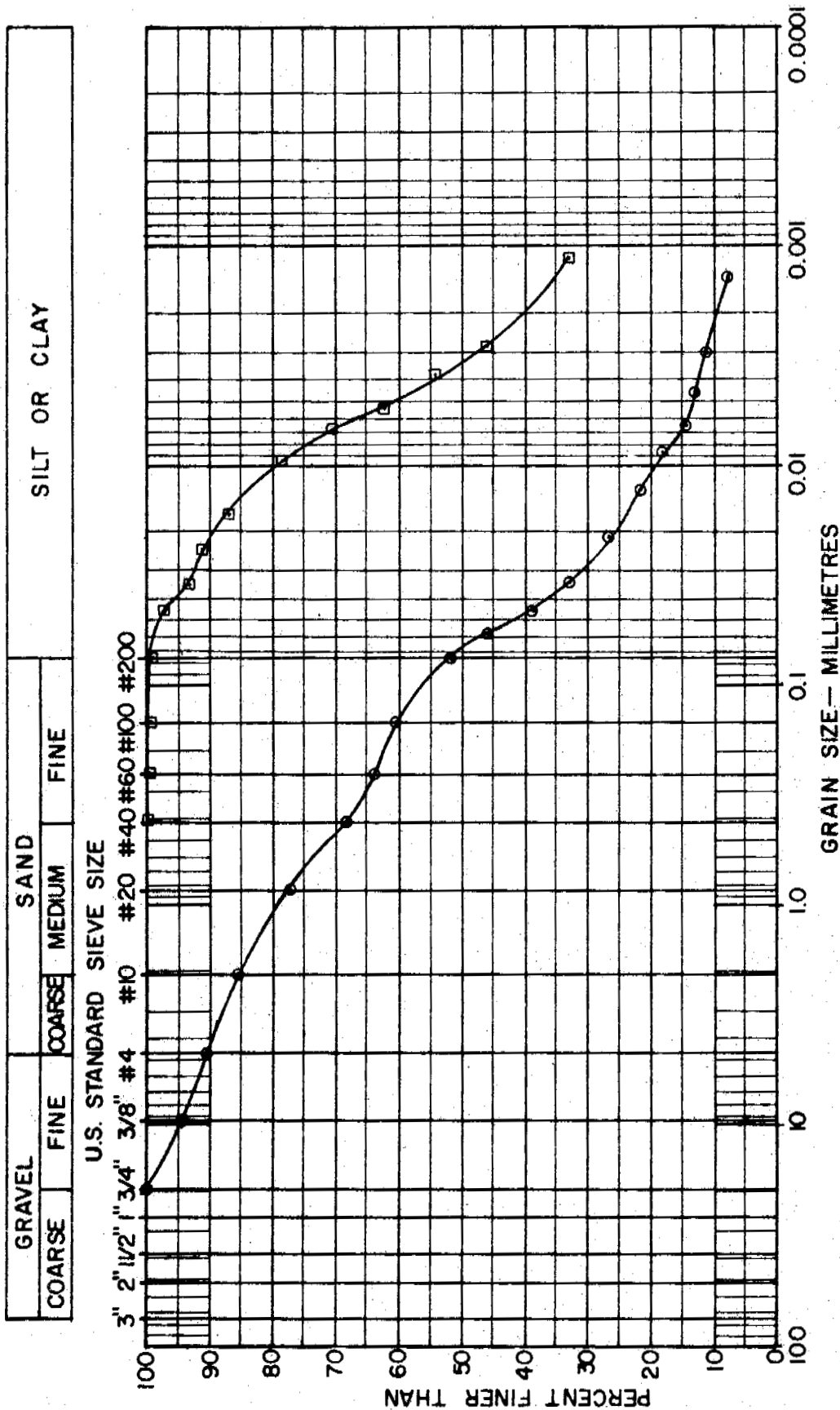
PROJECT

LOCATION 394-C-G

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS:

□ Sample No. 6 - 29 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

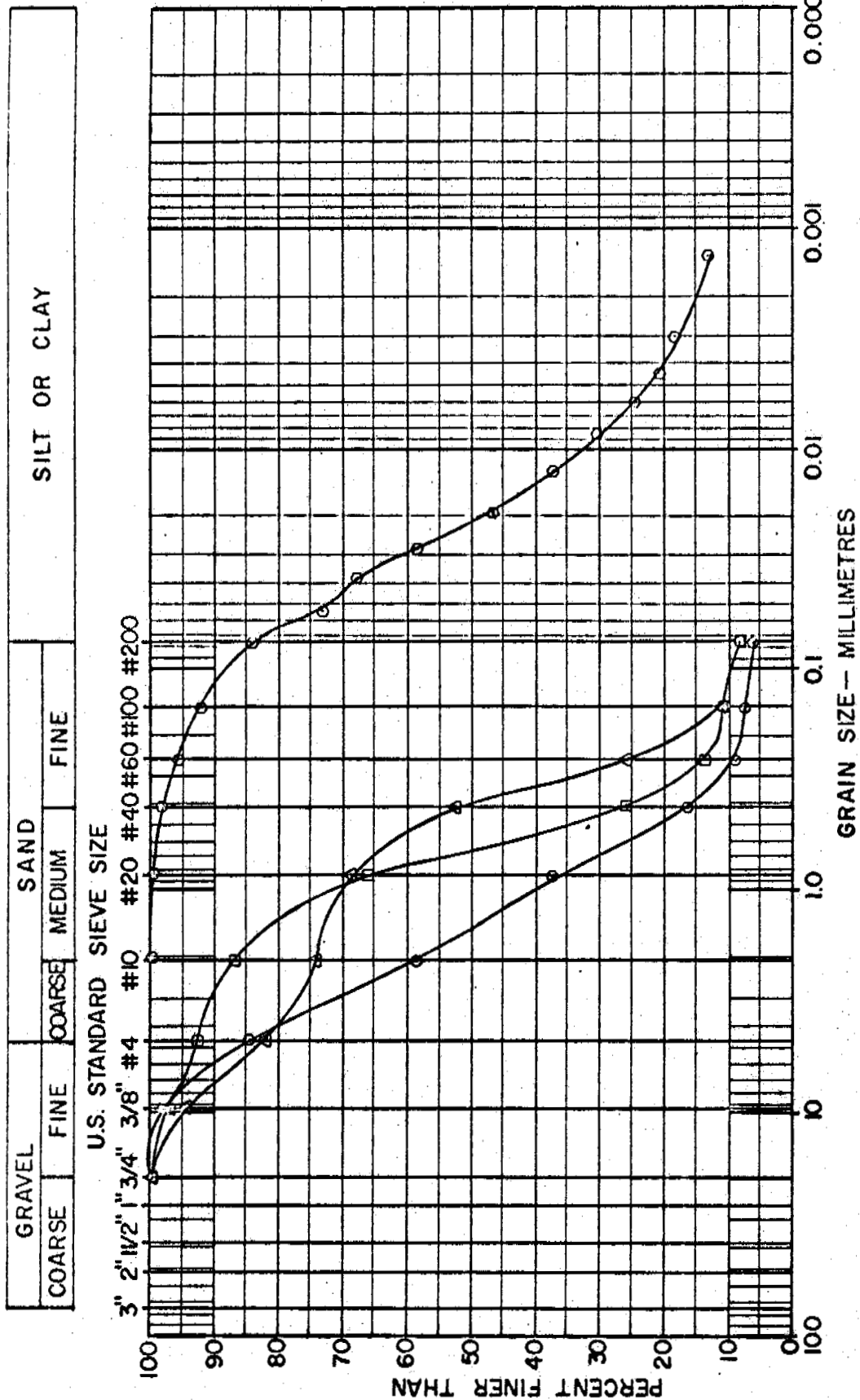
LOCATION 394-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 3 - 15 ft.

□ Sample No. 4 - 20 ft.

△ Sample No. 5 - 25 ft.



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JOB No. AL0307

PROJECT

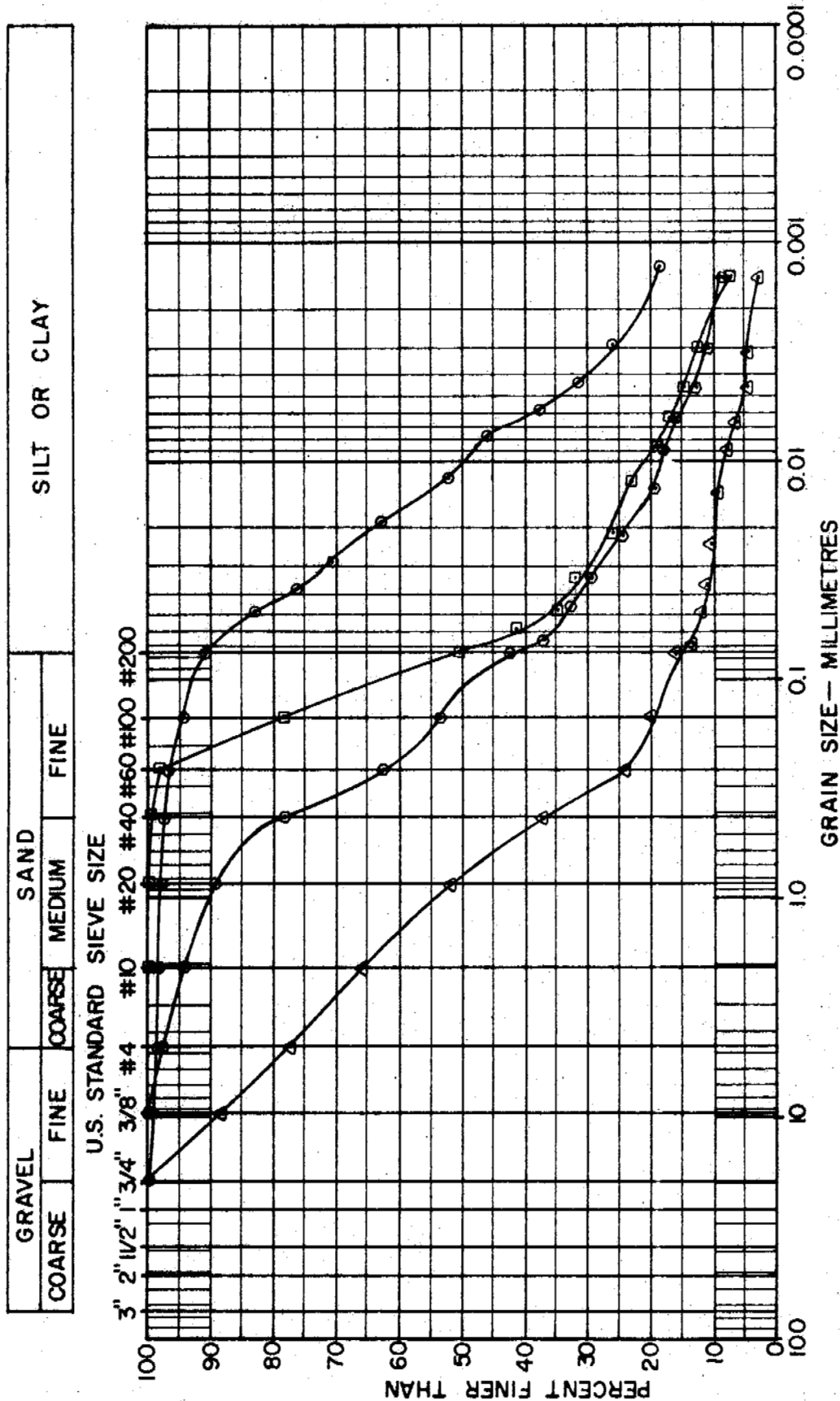
LOCATION 394-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft. - 6 ft. 6 inch.

□ Sample No. 2 - 10 ft. - 11 ft.

△ Sample No. 4 - 13 ft.

◇ Sample No. 5 - 20 ft.



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JOB No. AL0307

PROJECT

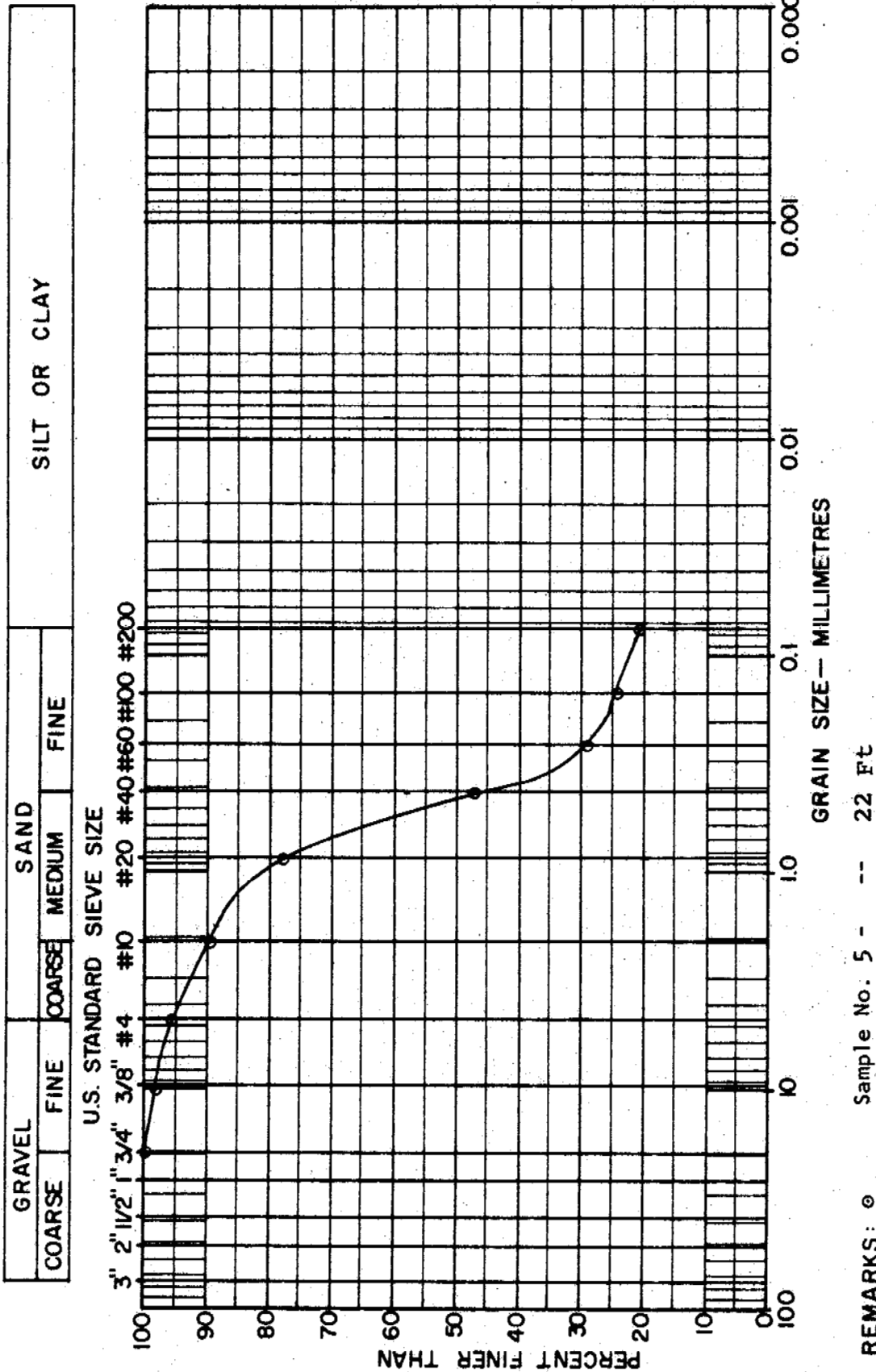
LOCATION 394-C-H

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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JOB No. AL0307

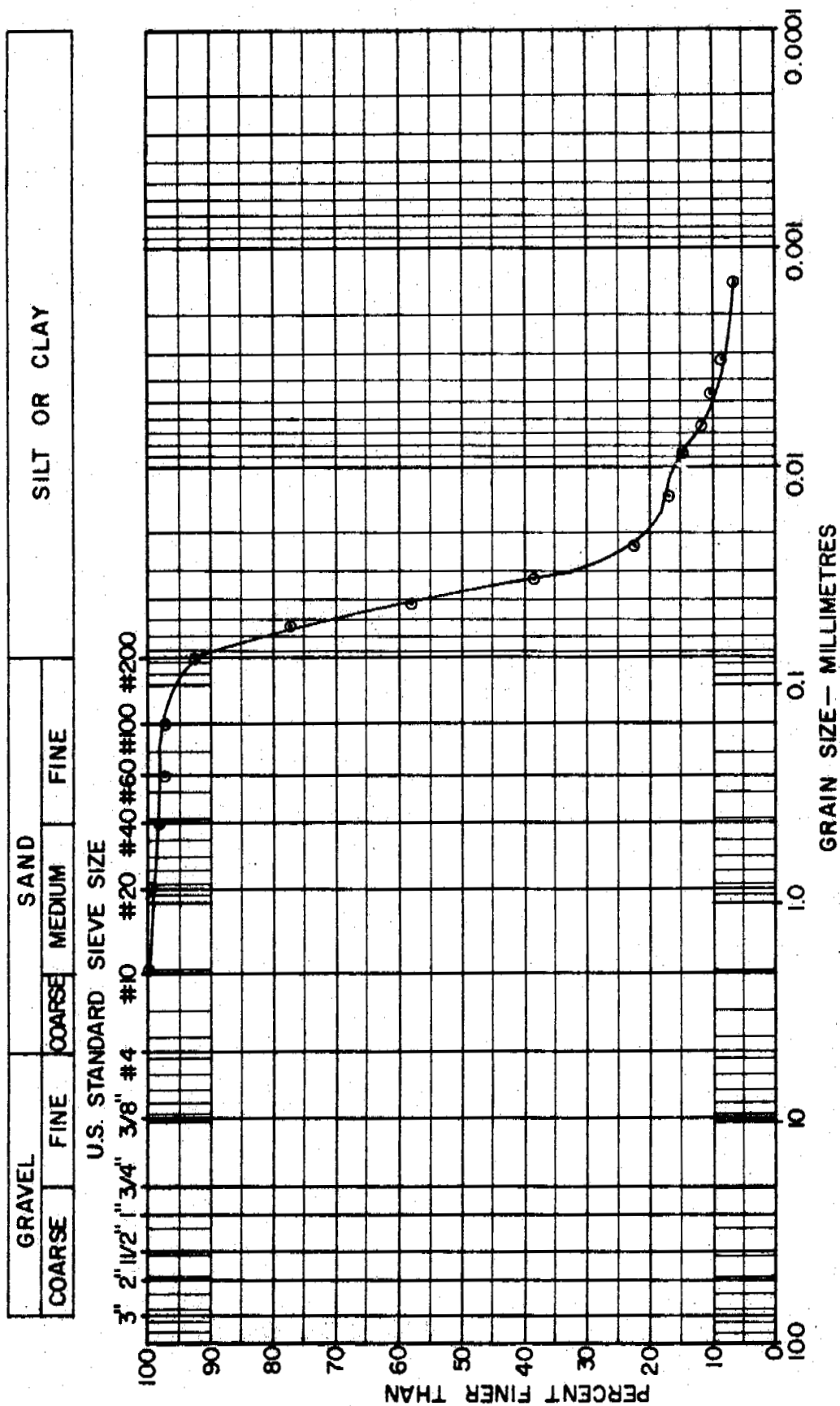
PROJECT

LOCATION 394-C-1

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 10 - 40 to 45 Ft.

JOB No. AL0307

PROJECT

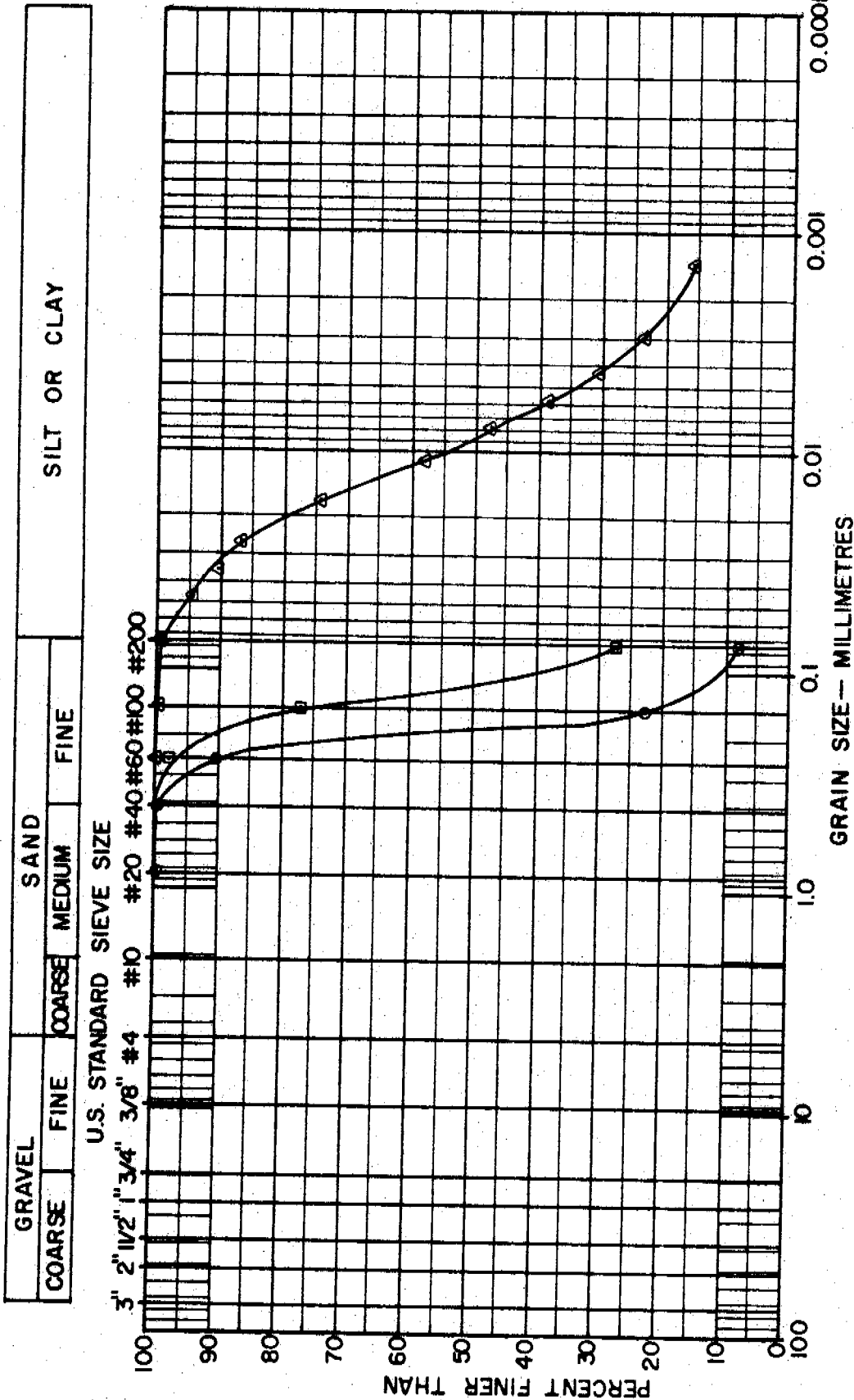
LOCATION 394-C-1

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

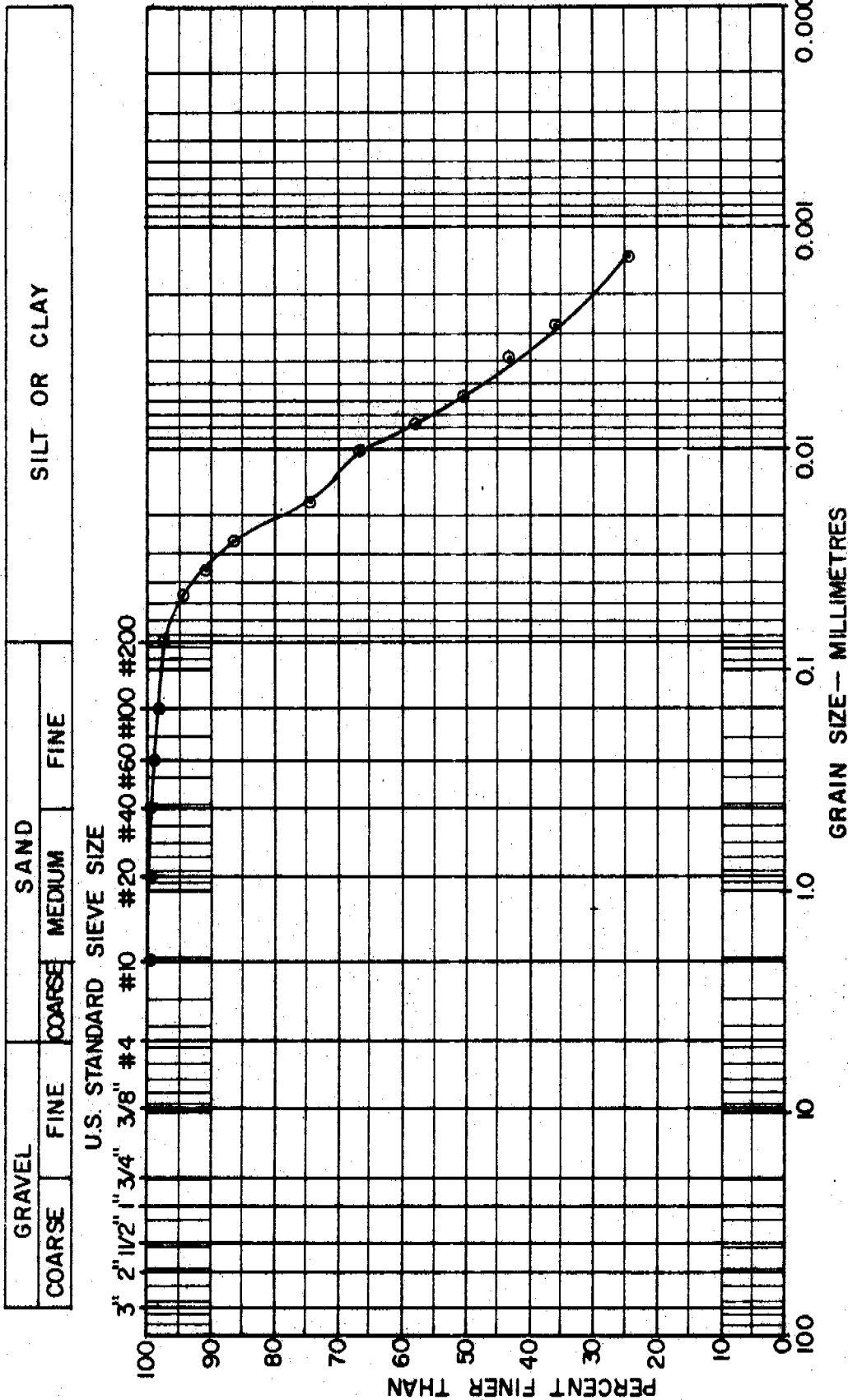
LOCATION 394-C-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 8 - 40 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

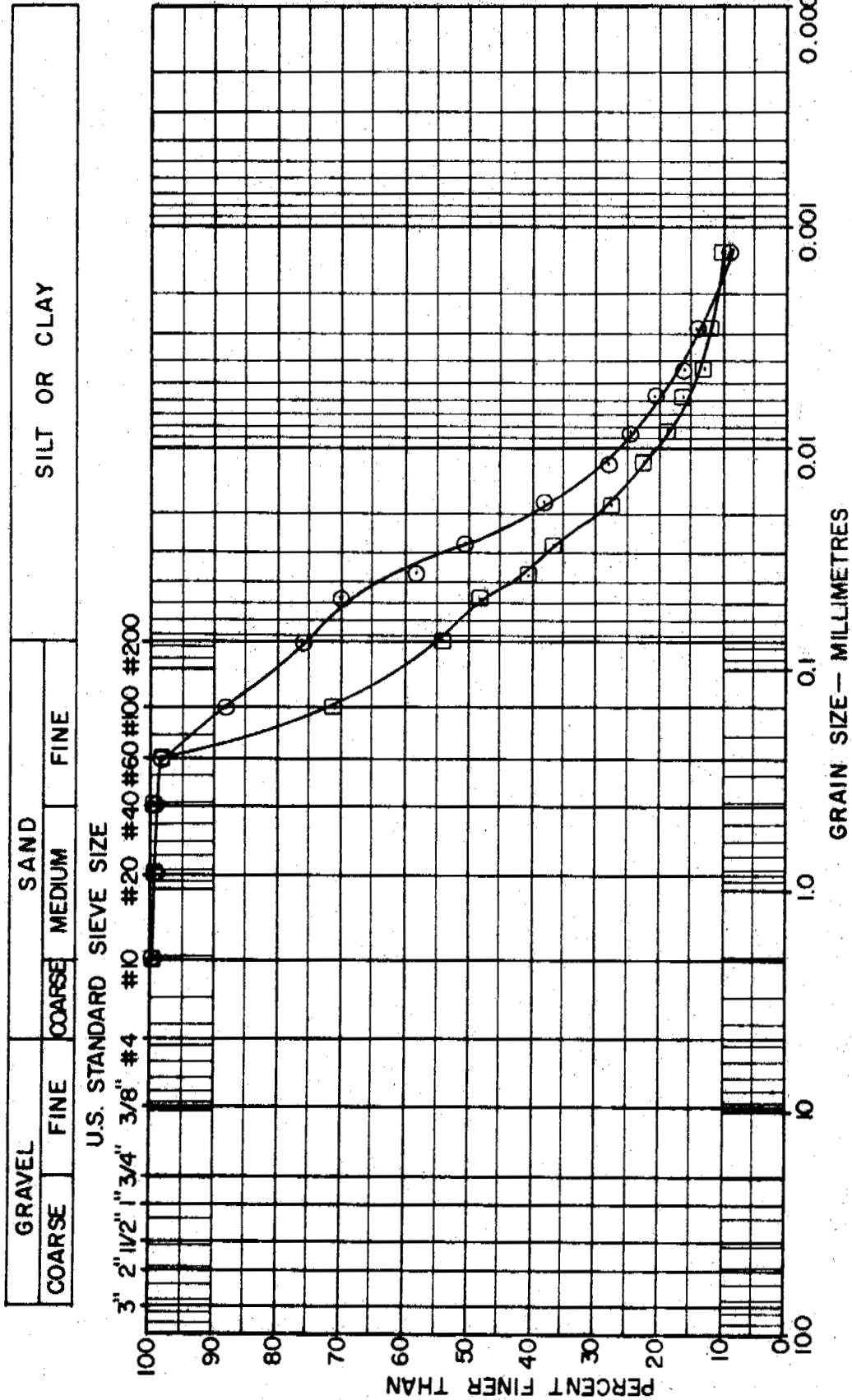
LOCATION 394-C-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5'

□ Sample #2 10'



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JOB No. AL 0335

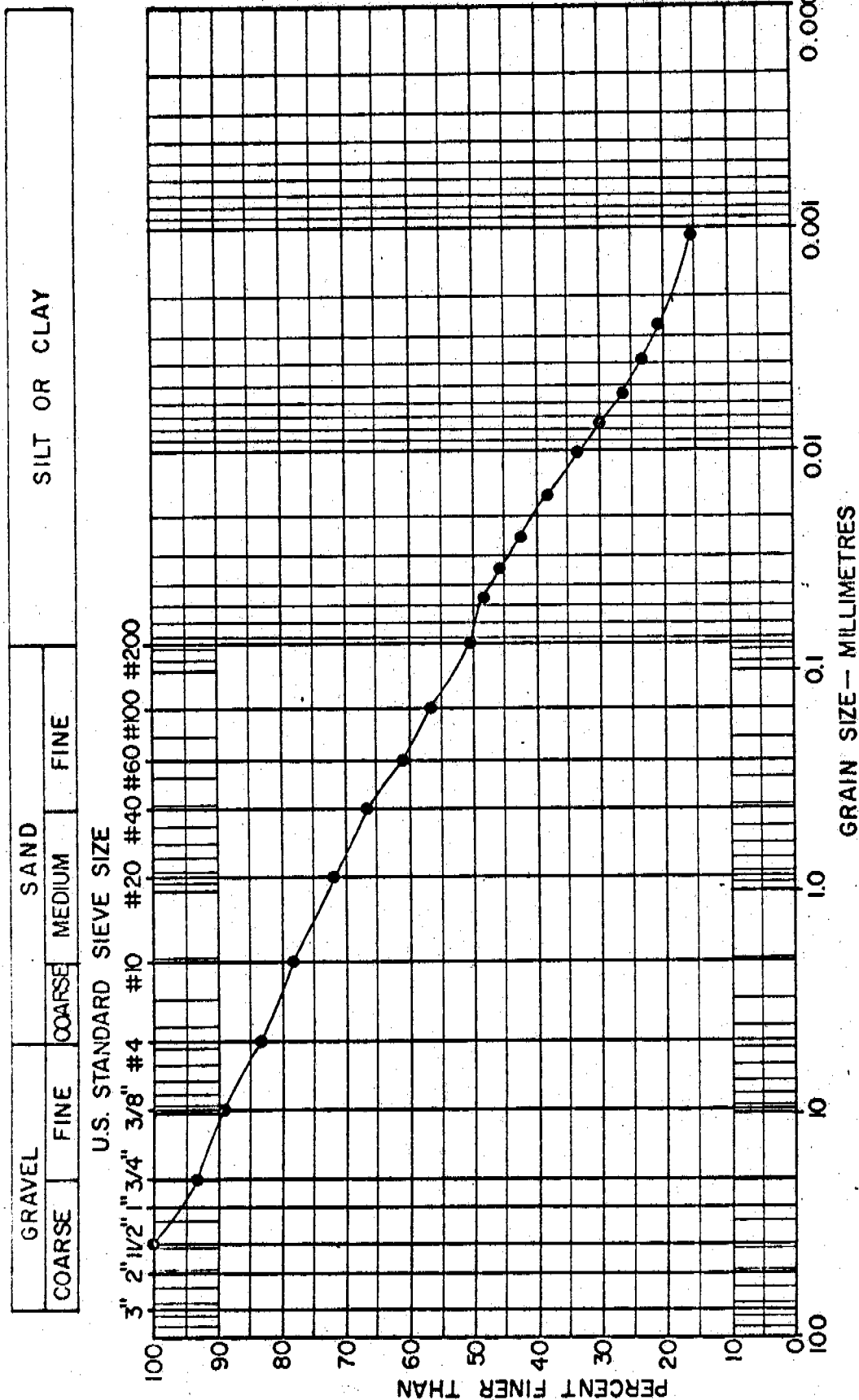
PROJECT

LOCATION

HOLE No. 395-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: • Sample No. 2 - 10' - 11 1/2'

JOB No. AL0307

PROJECT

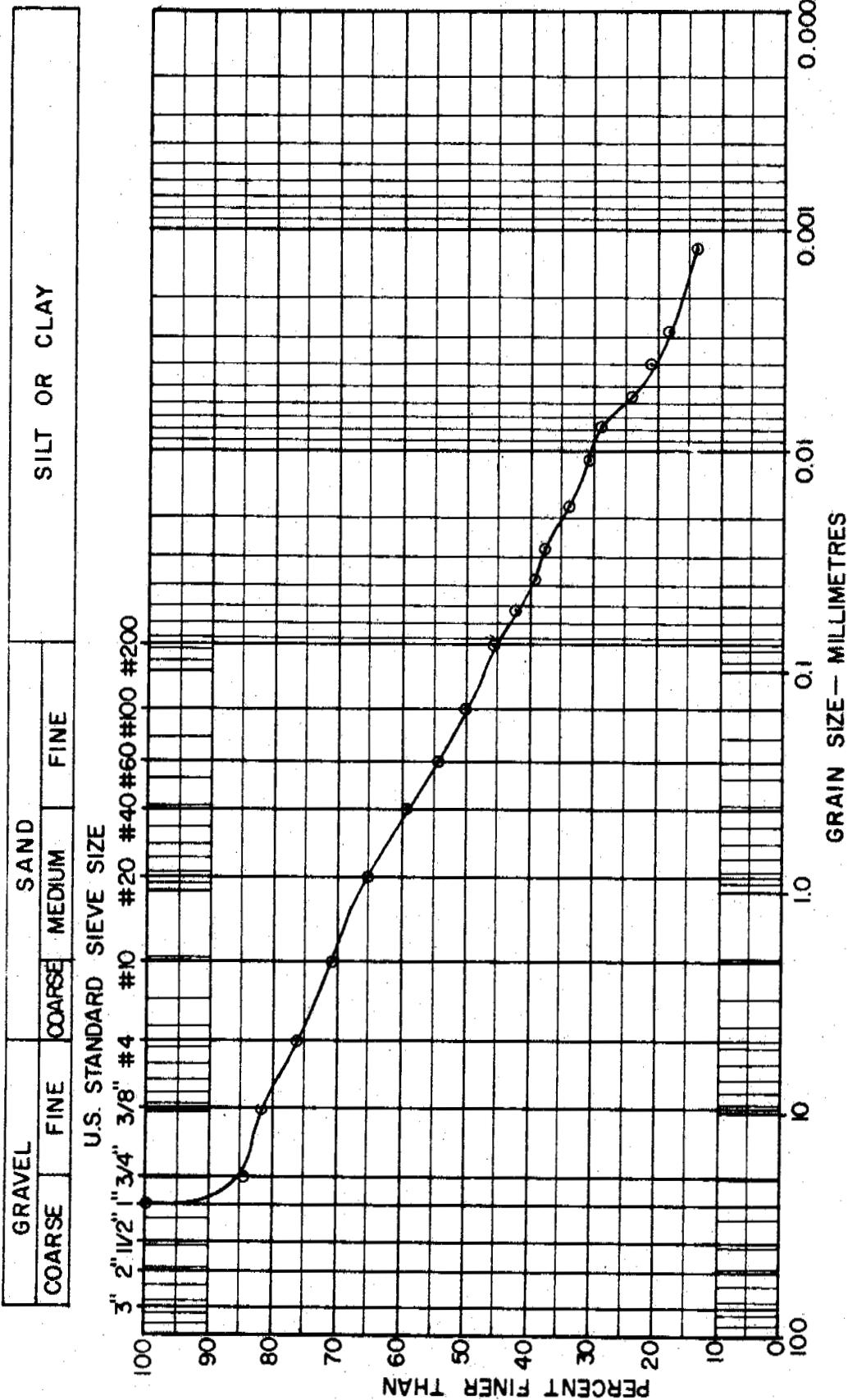
LOCATION 396-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 3 - 15 ft. - 16 ft. 6 inches.

JOB No. AL0307

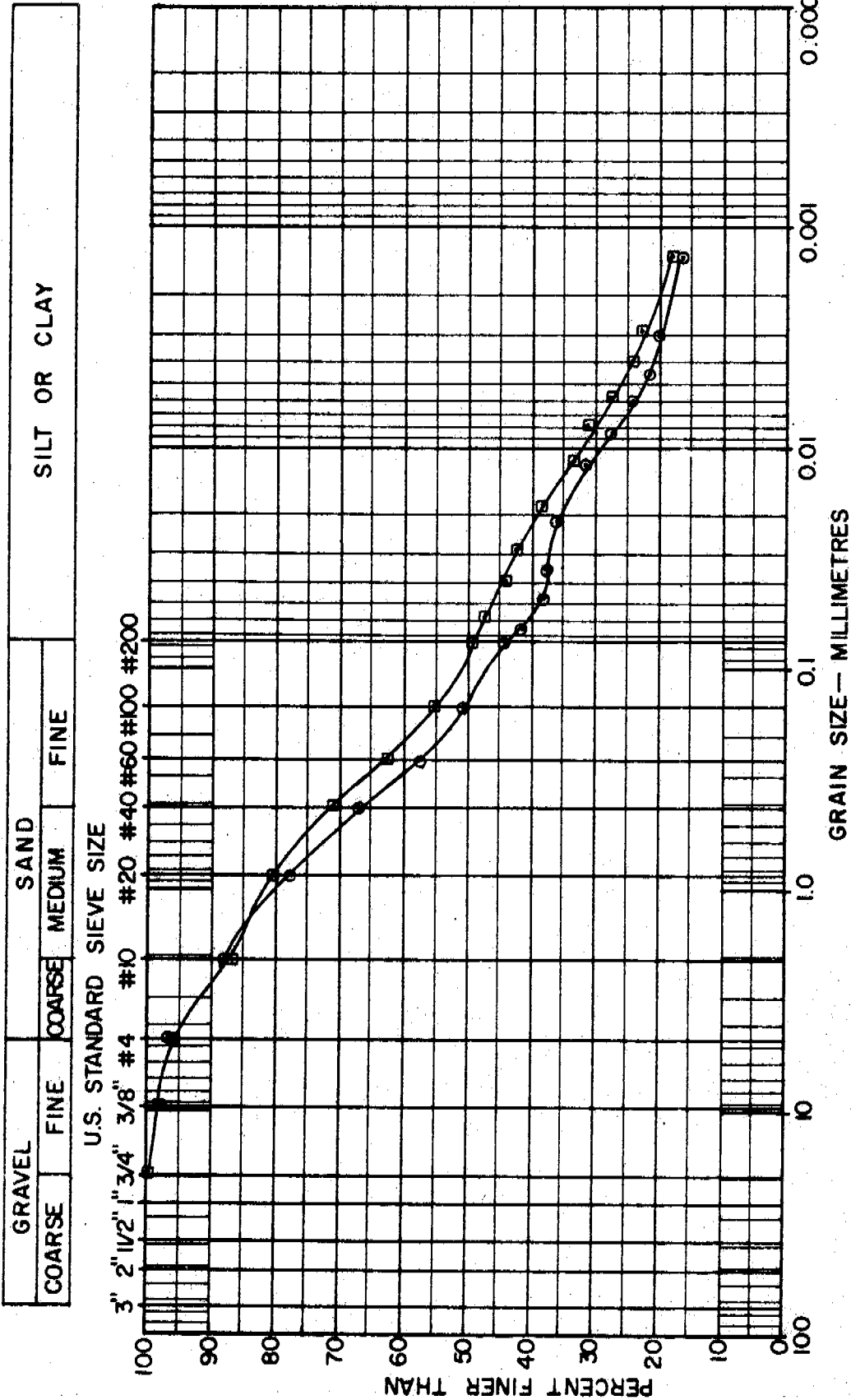
PROJECT

LOCATION 396-S-B

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 4 - 20 ft. - 21 ft.

□ Sample No. 5 - 25 ft. - 26 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

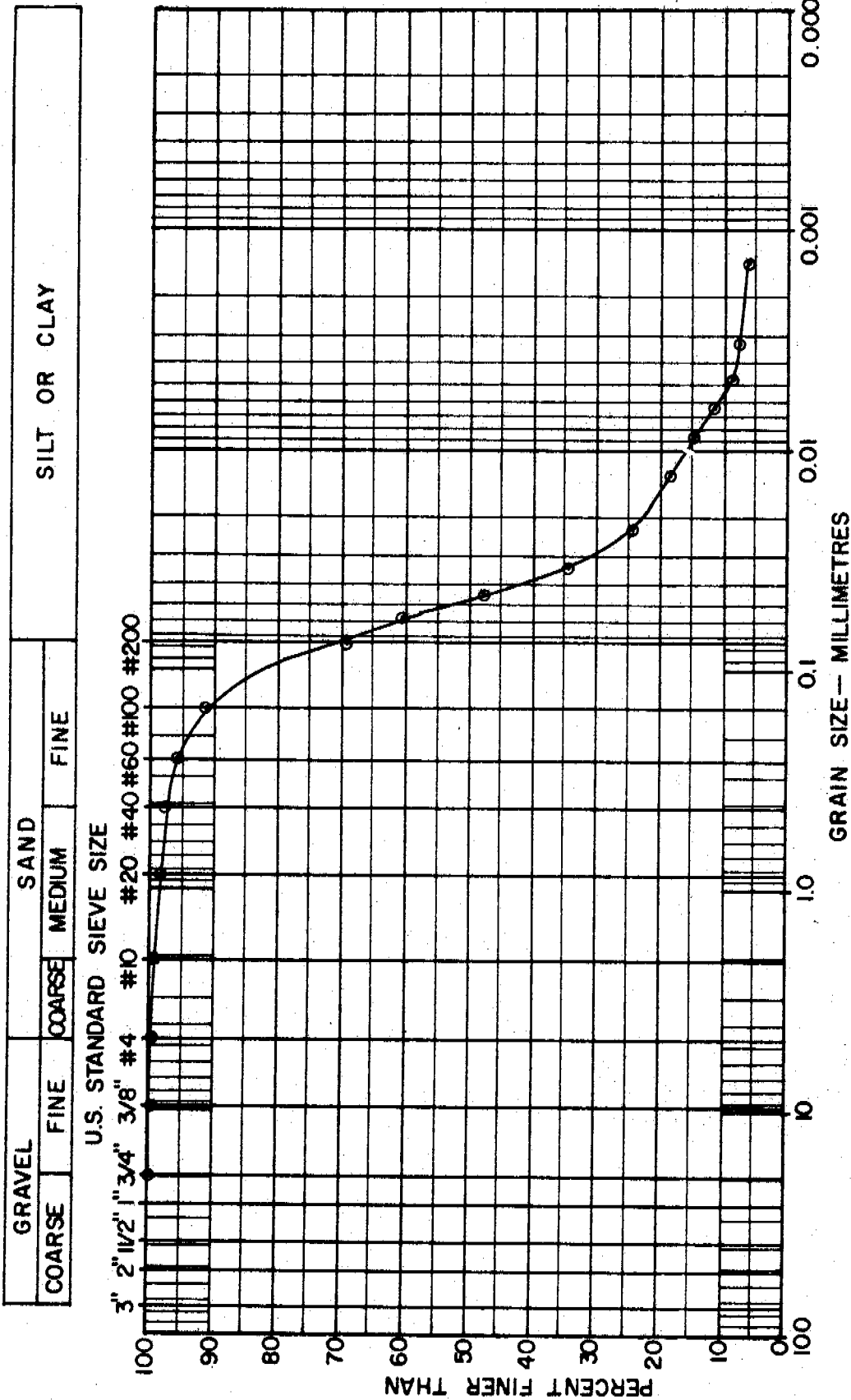
LOCATION 396-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: e Sample No. 1 - 5 ft. 0 inch - 6 ft. 6 inches.



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL0307

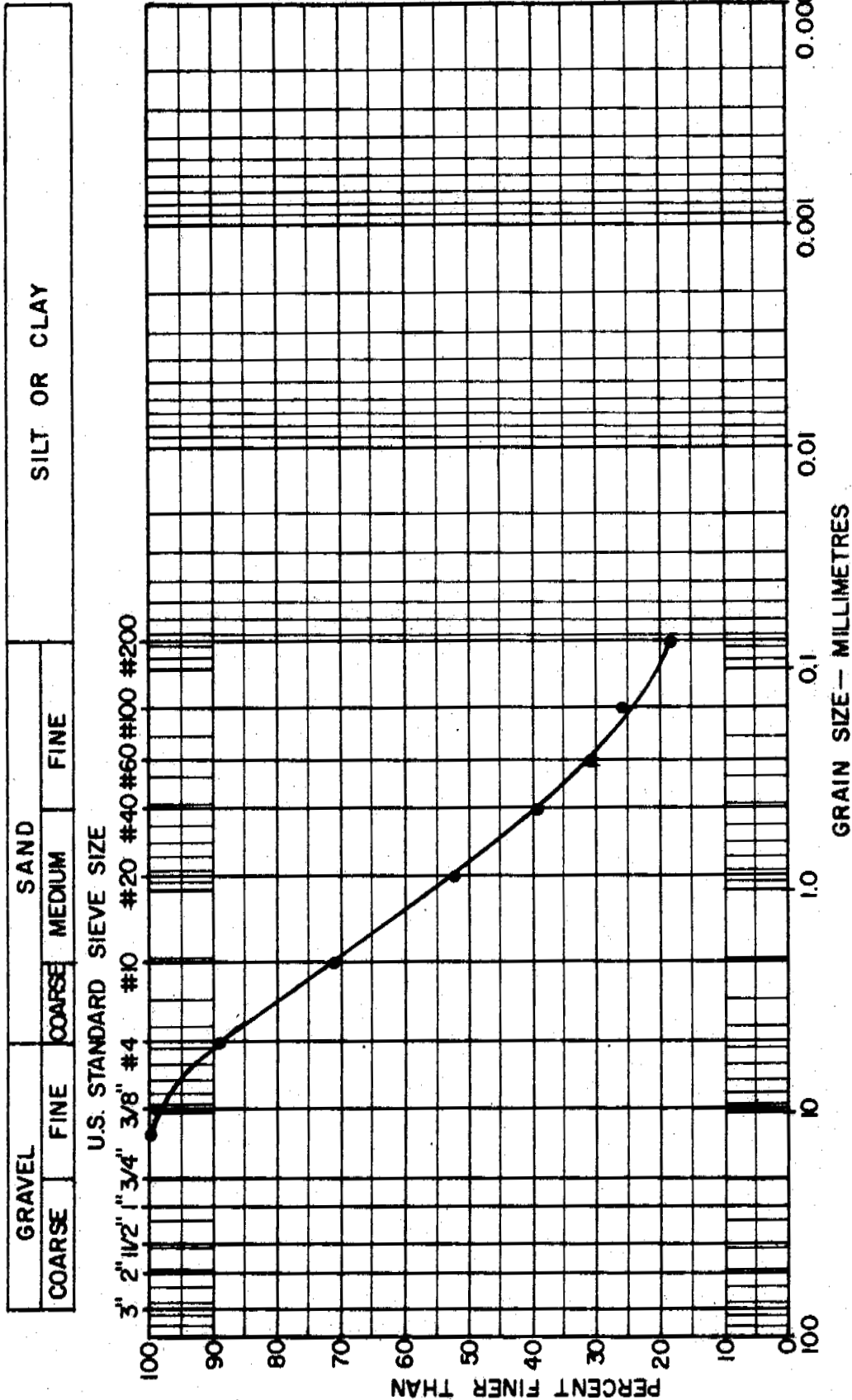
PROJECT

LOCATION 396-S-D

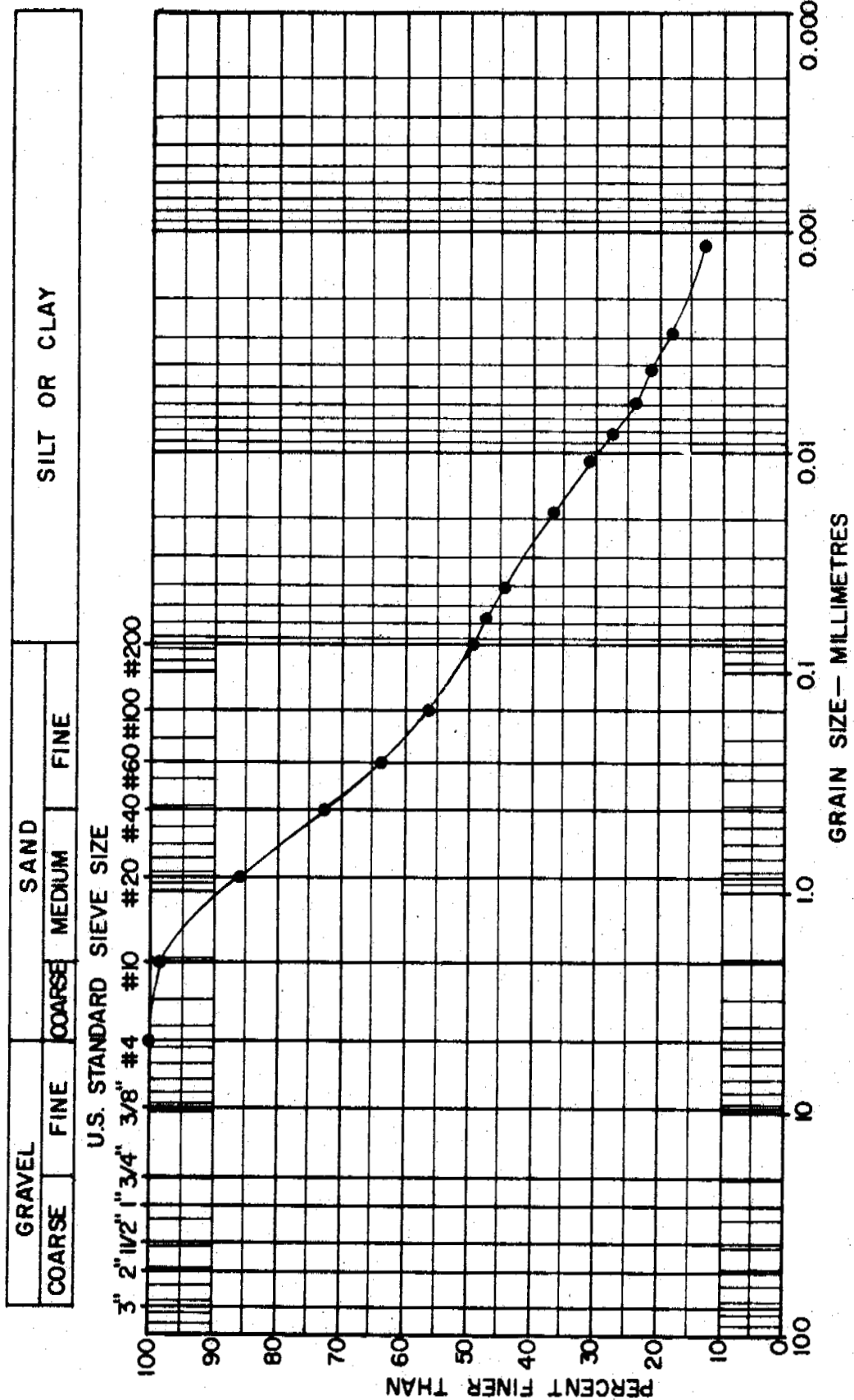
HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: • - 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

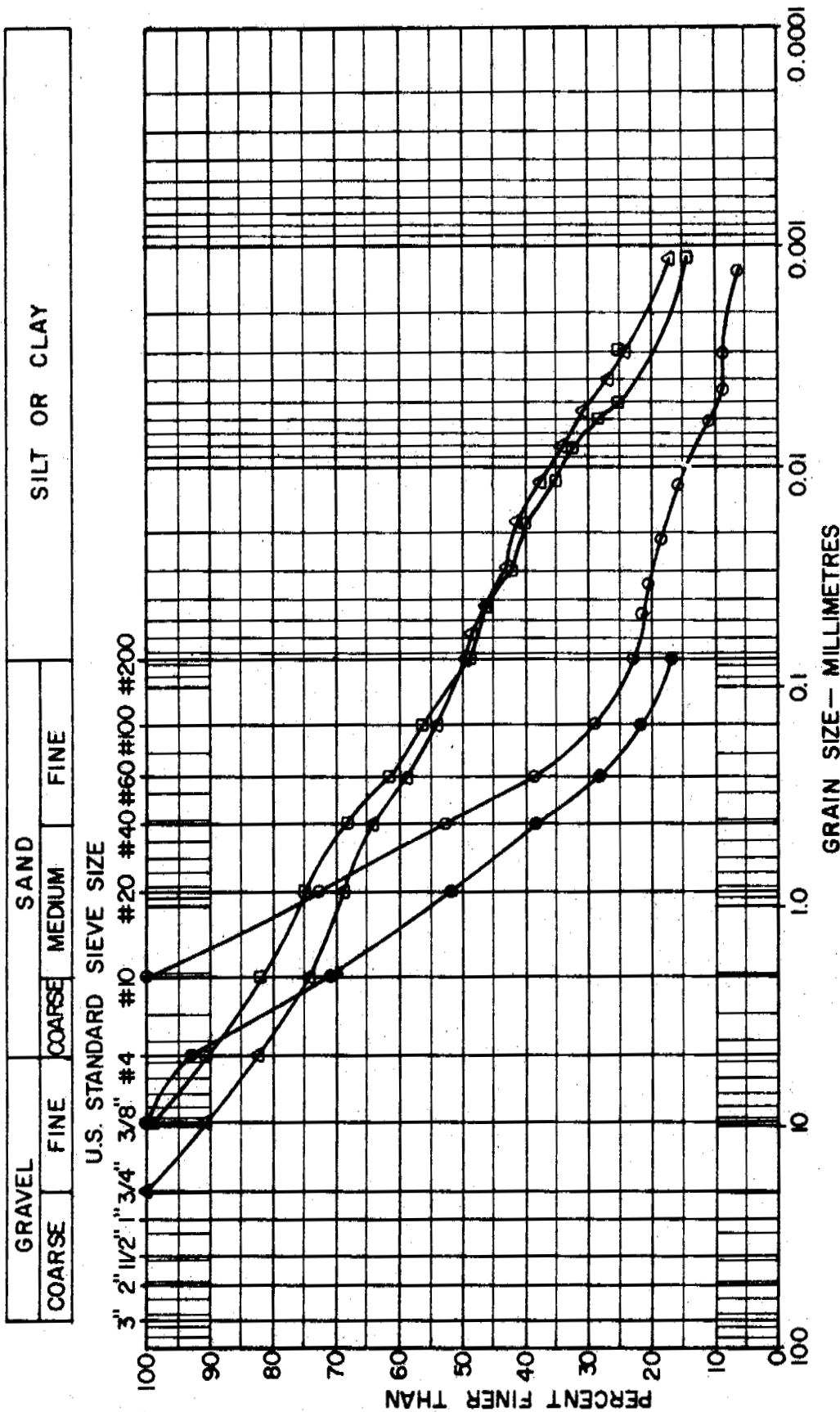
LOCATION 396-S-H

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

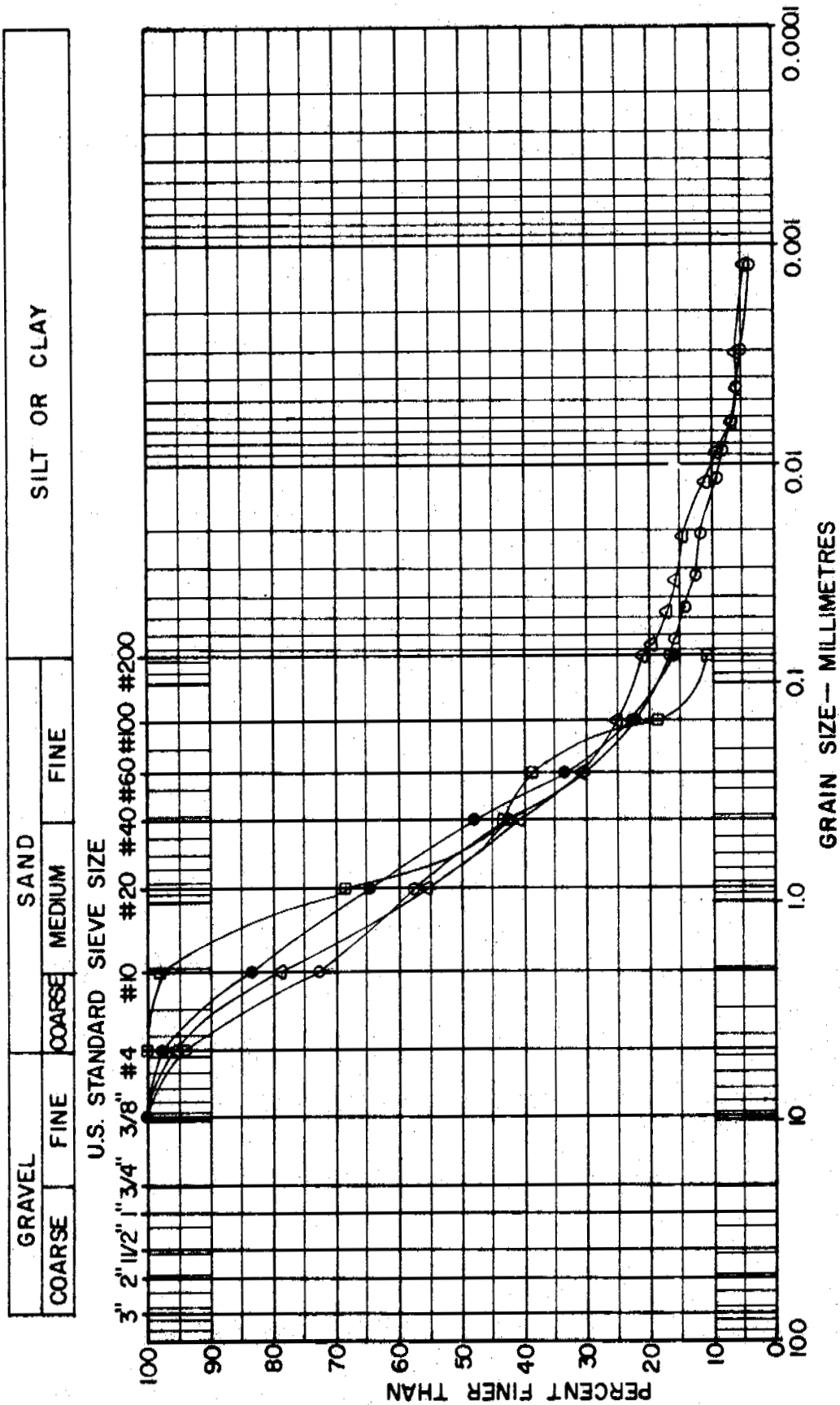
LOCATION 396-S-1

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● - 10 ft.

② - 15 ft.

Δ - 20 ft.

□ - 27 ft.



JOB No. AL0307

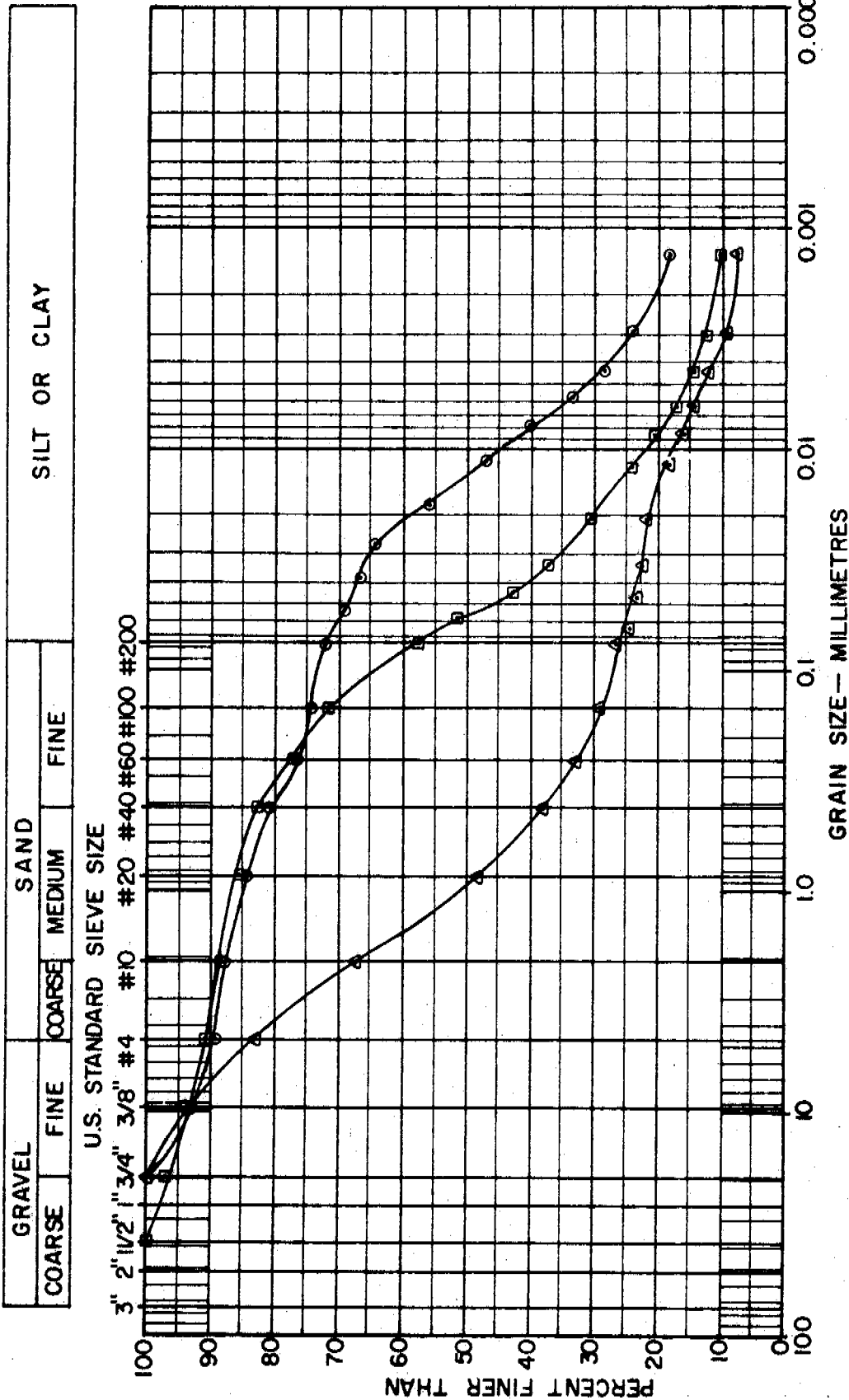
PROJECT

LOCATION 396-S-0

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft. - 6 ft. 6 inches.
 □ Sample No. 2 - 10 ft - 11 ft. 6 inches.
 △ Sample No. 3 - 15 ft - 16 ft.



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JOB No. AL0307

PROJECT

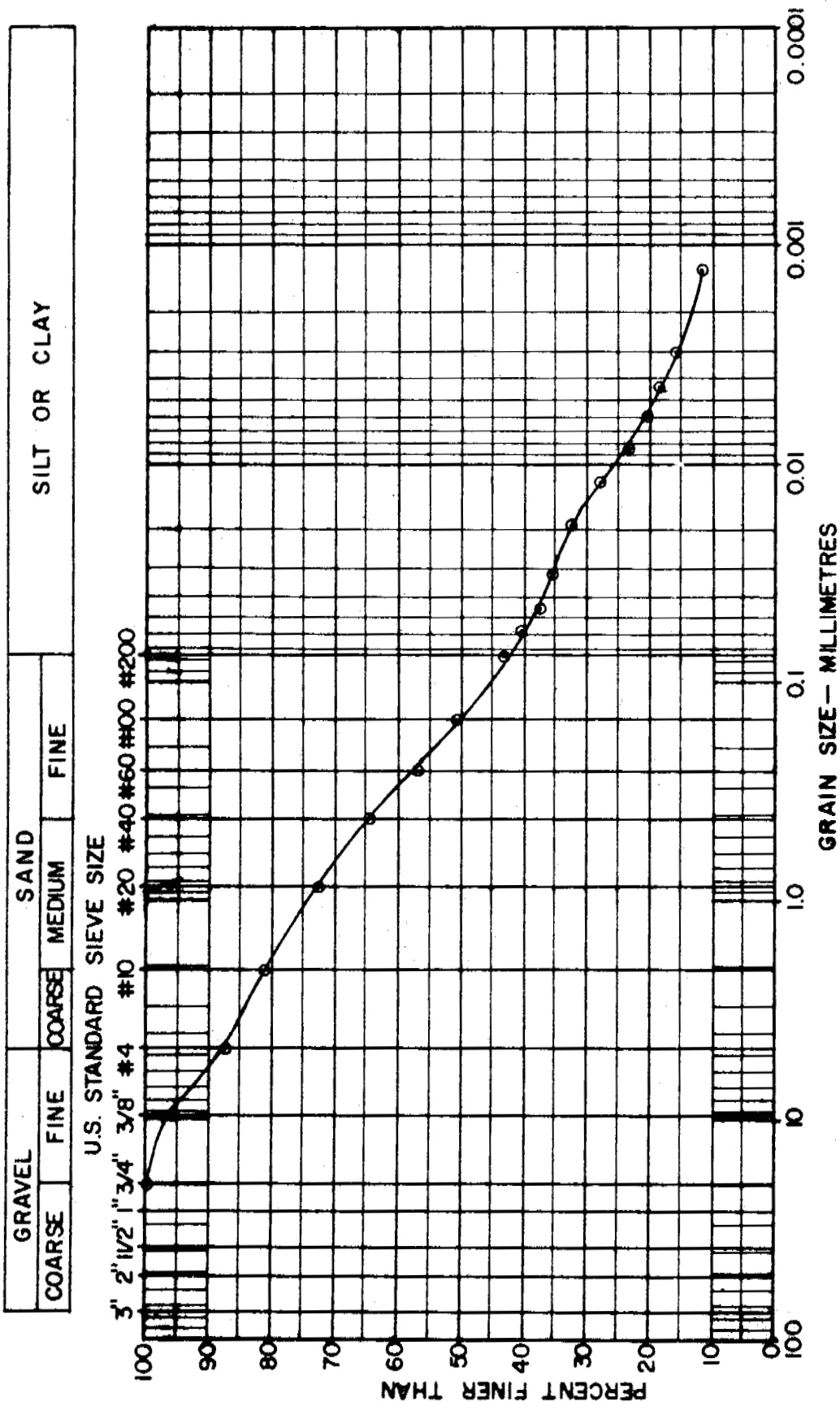
LOCATION 397-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Sample No. 1 - 5 ft. - 6 ft.



JOB No. AL0307

PROJECT

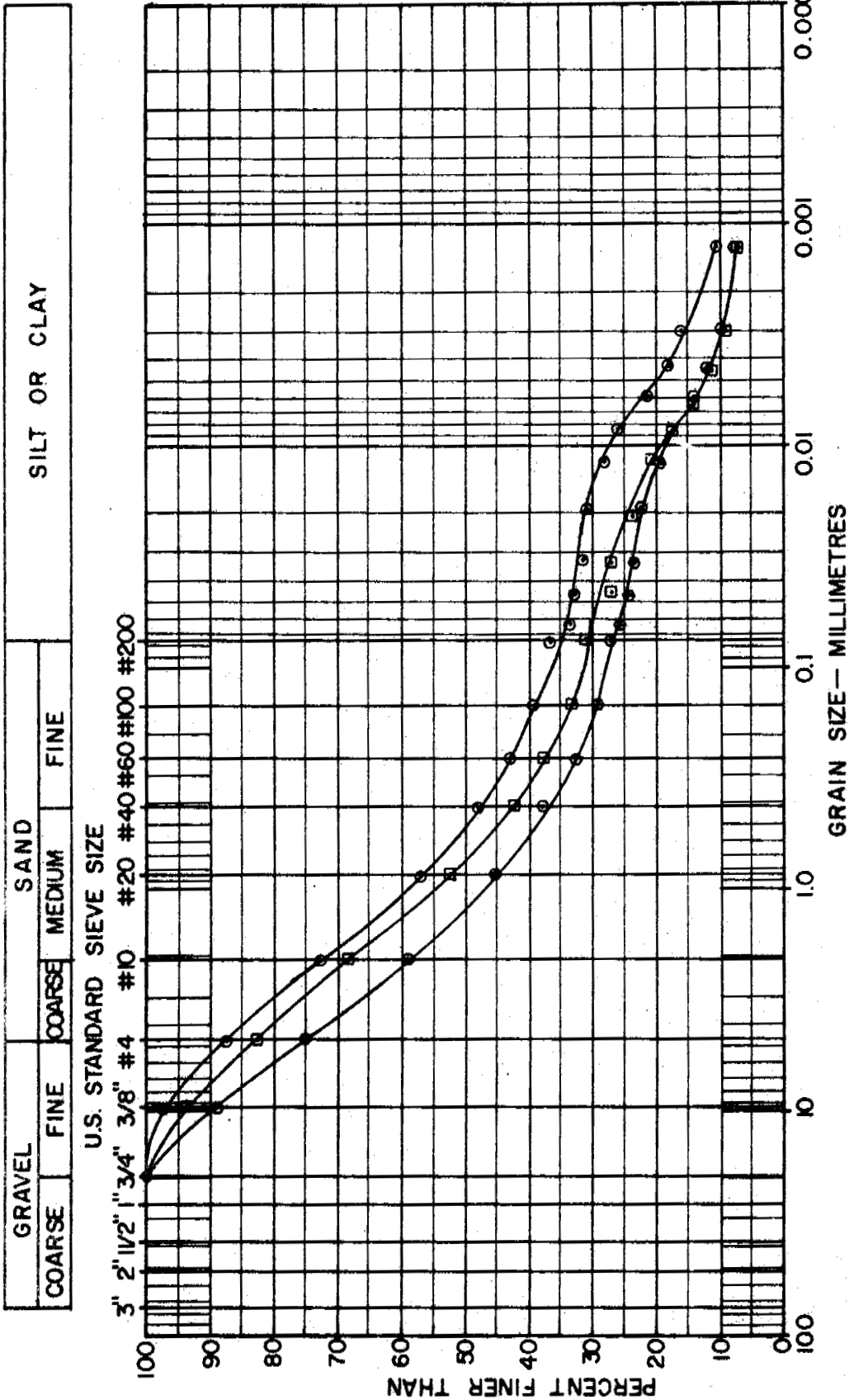
LOCATION 397-C-E

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 1 - 5 ft. - 6 ft. 6 inch.
☐ Sample No. 2 - 10 ft. - 11 ft. 6 inch.
☐ Sample No. 3 - 15 ft. - 16 1/2 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

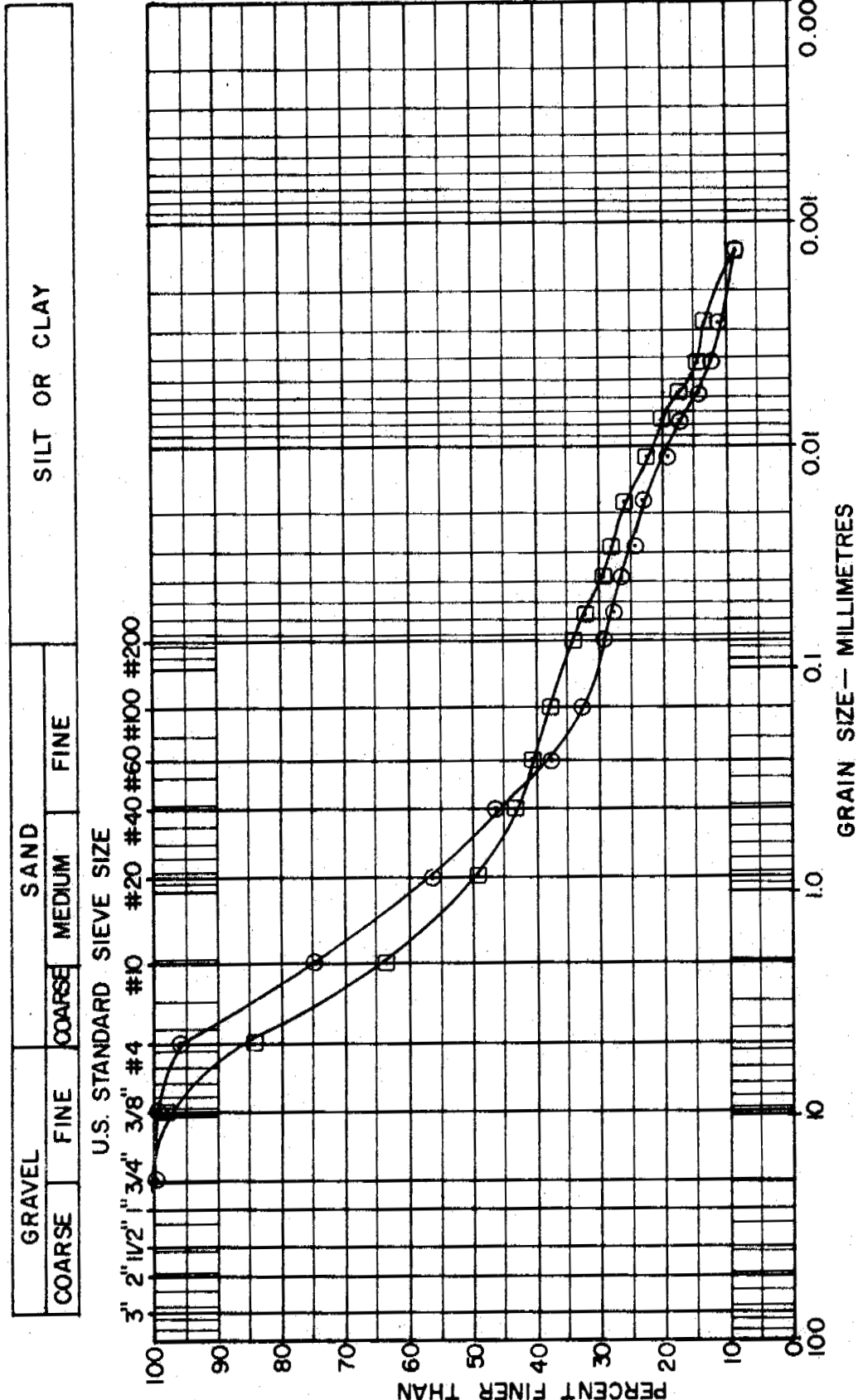
LOCATION 397-C-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample #1 5'

Sample #2 10'



JOB No. AL 0335

PROJECT

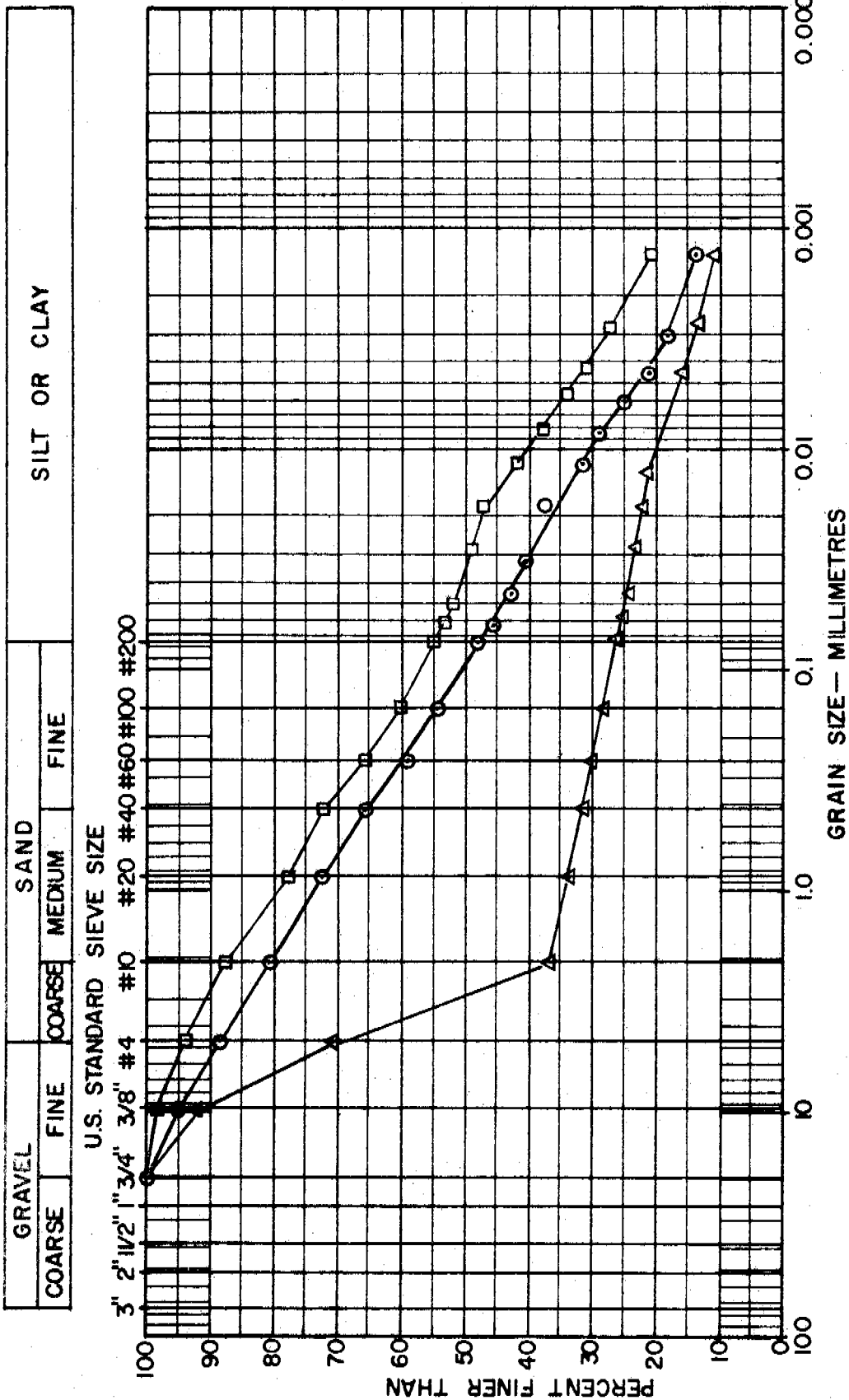
LOCATION

HOLE No.398-C-A

DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: 0 0'-5'

101

Δ 10'-15'



JOB No. AL0307

PROJECT

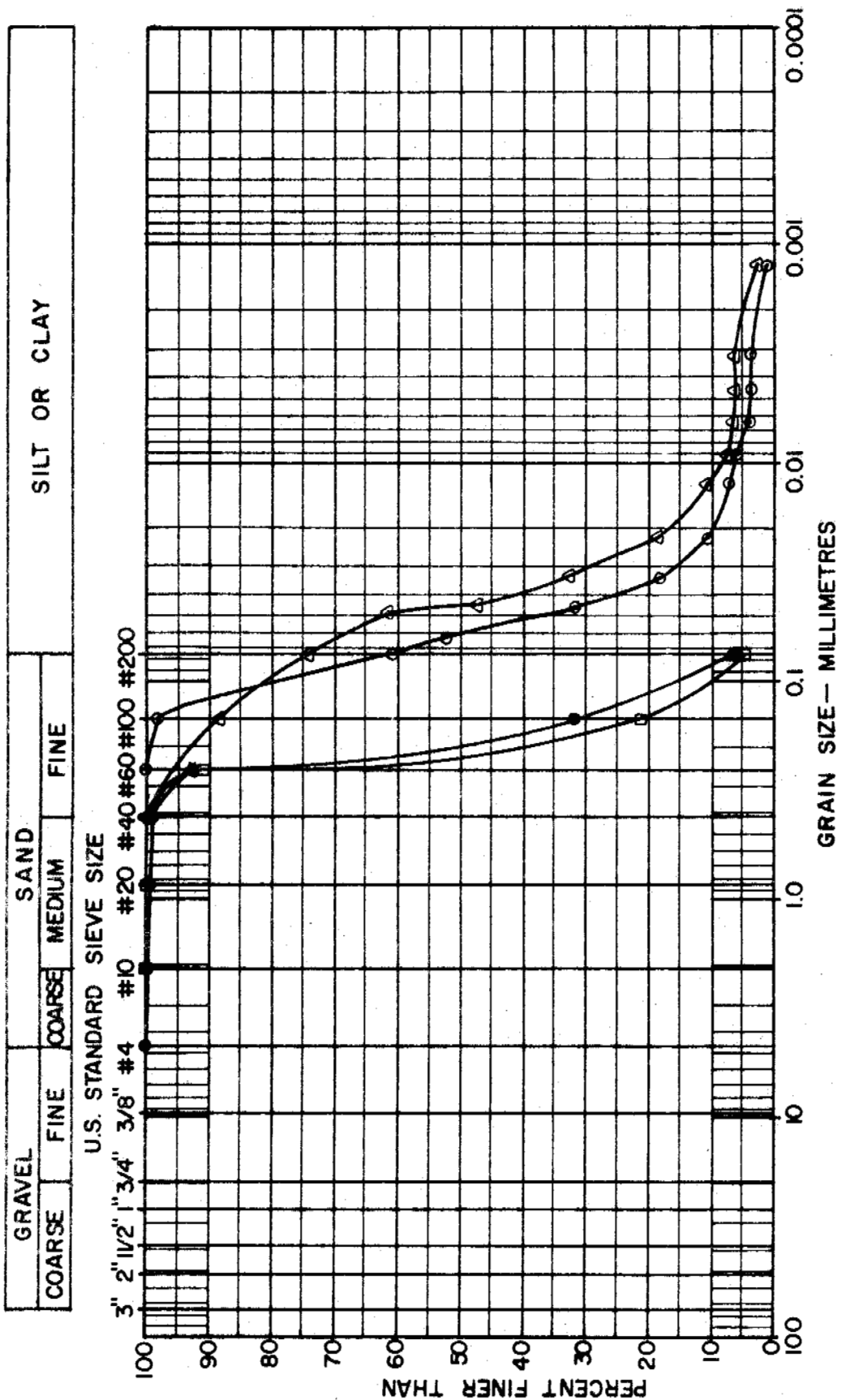
LOCATION 399-C-F

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

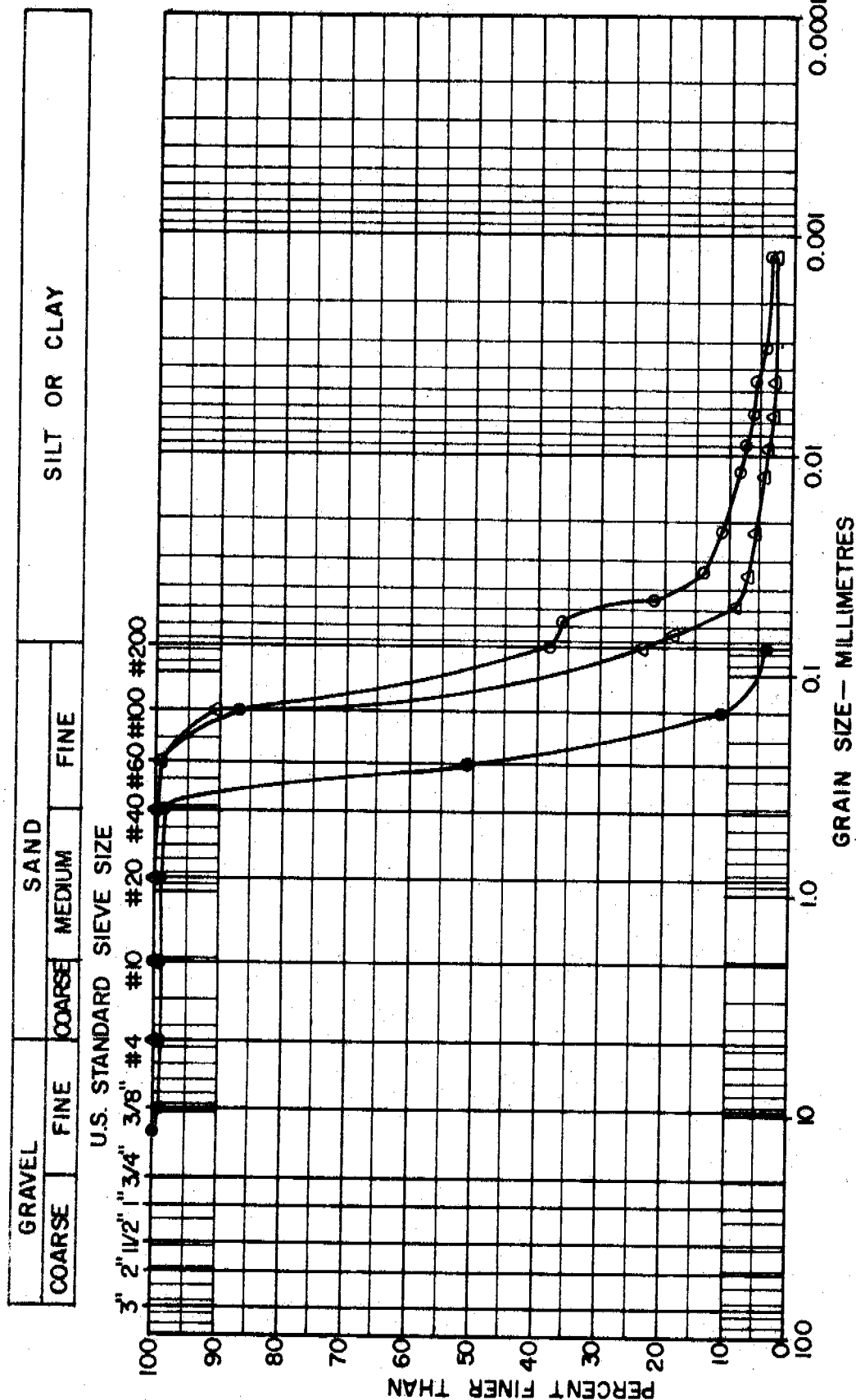
LOCATION 393-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● - 55 ft.

○ - 65 ft.

△ - 75 ft.



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

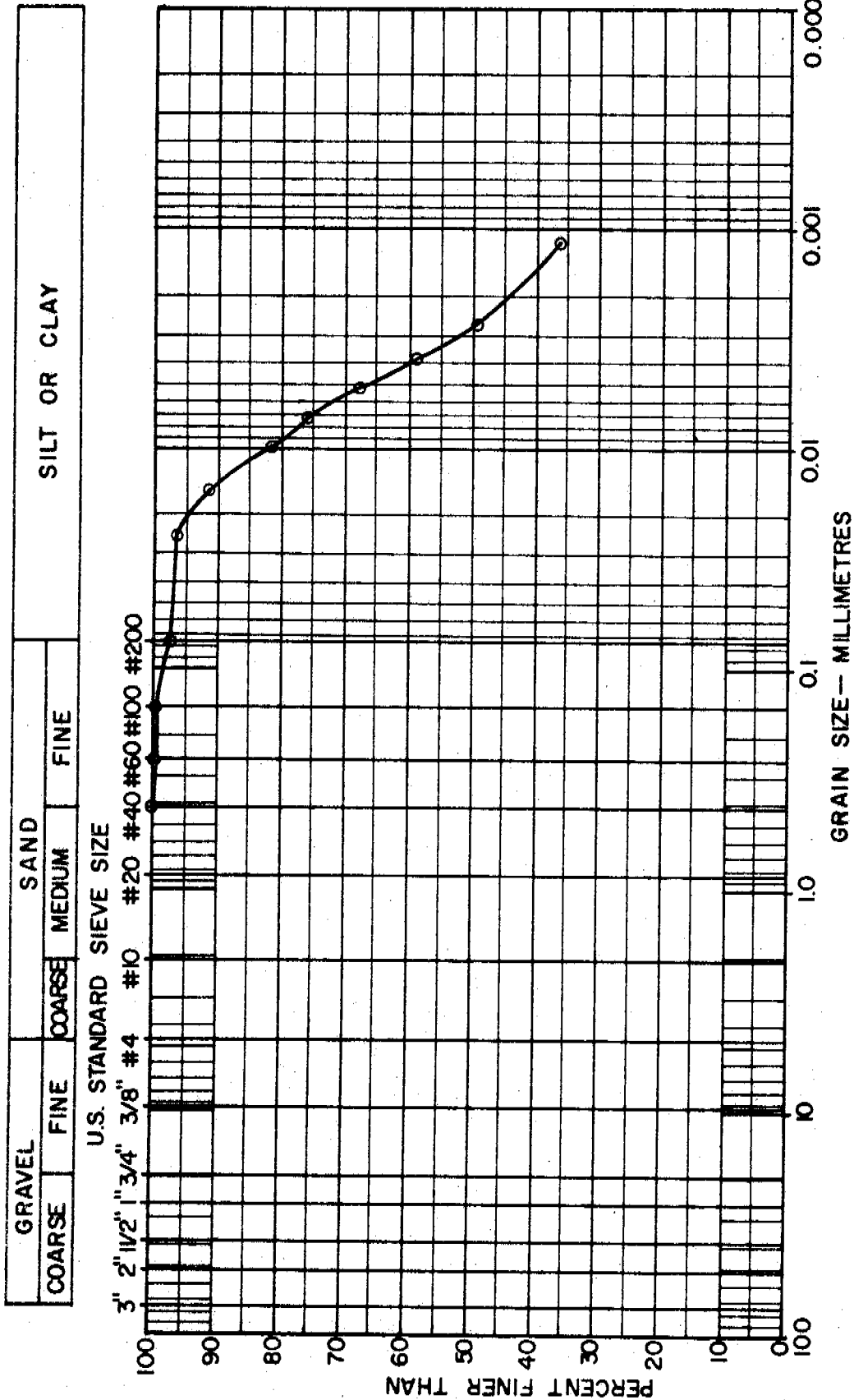
LOCATION 393-S-F

HOLE No.

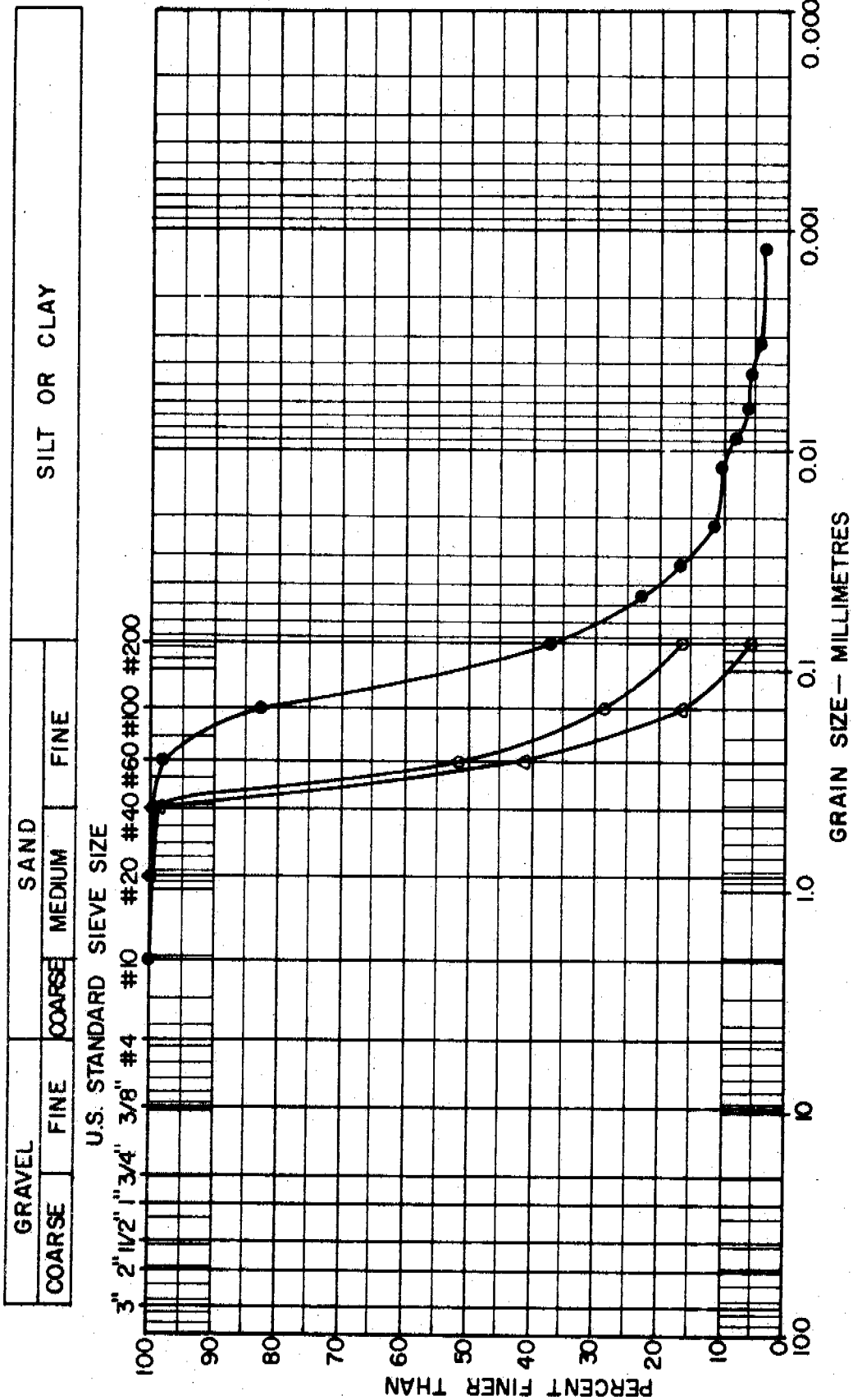
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

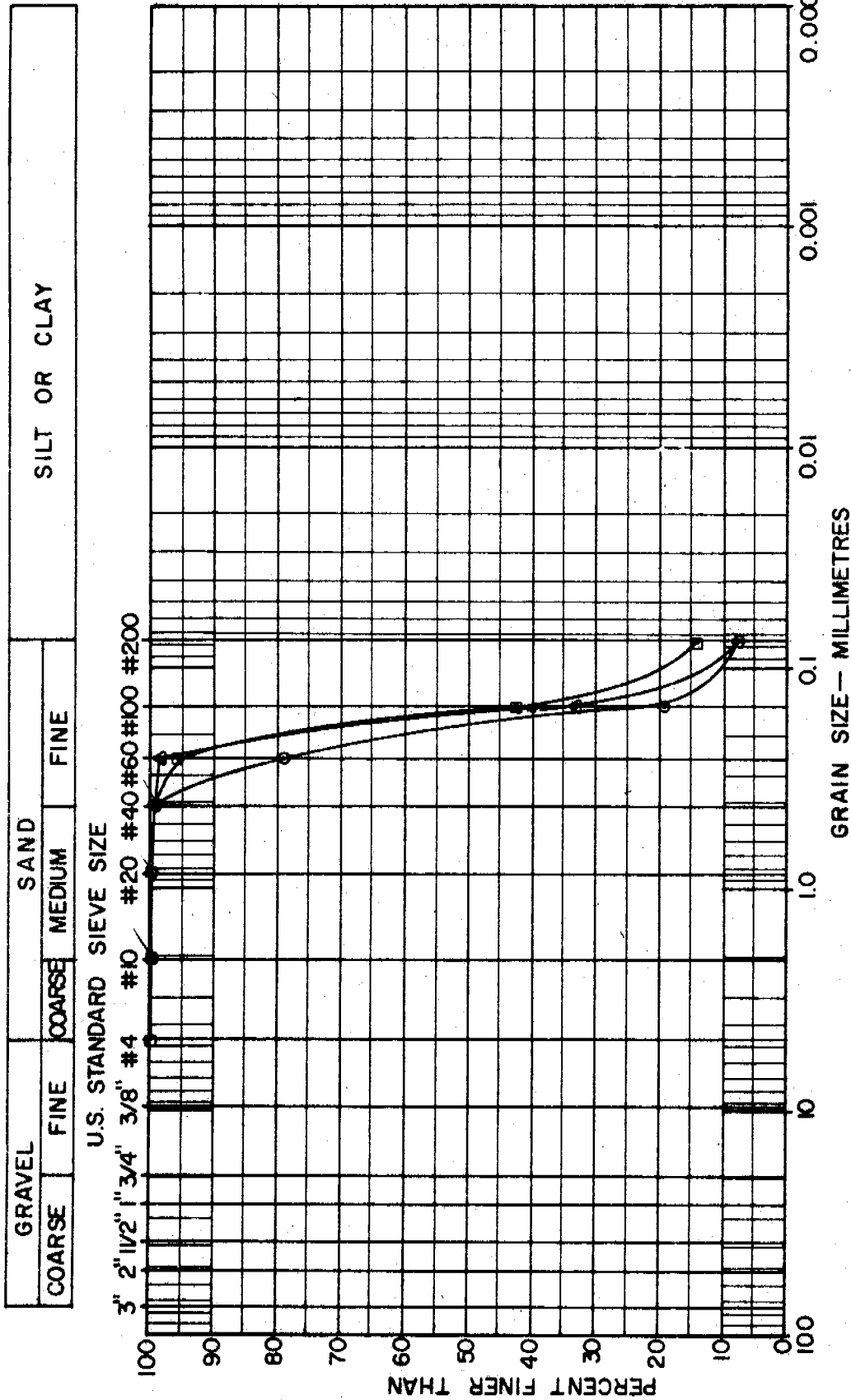
PROJECT

LOCATION 393-S-S

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 55 - 56.6 ft.

□ 66 ft.

△ 70 ft.



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL0307

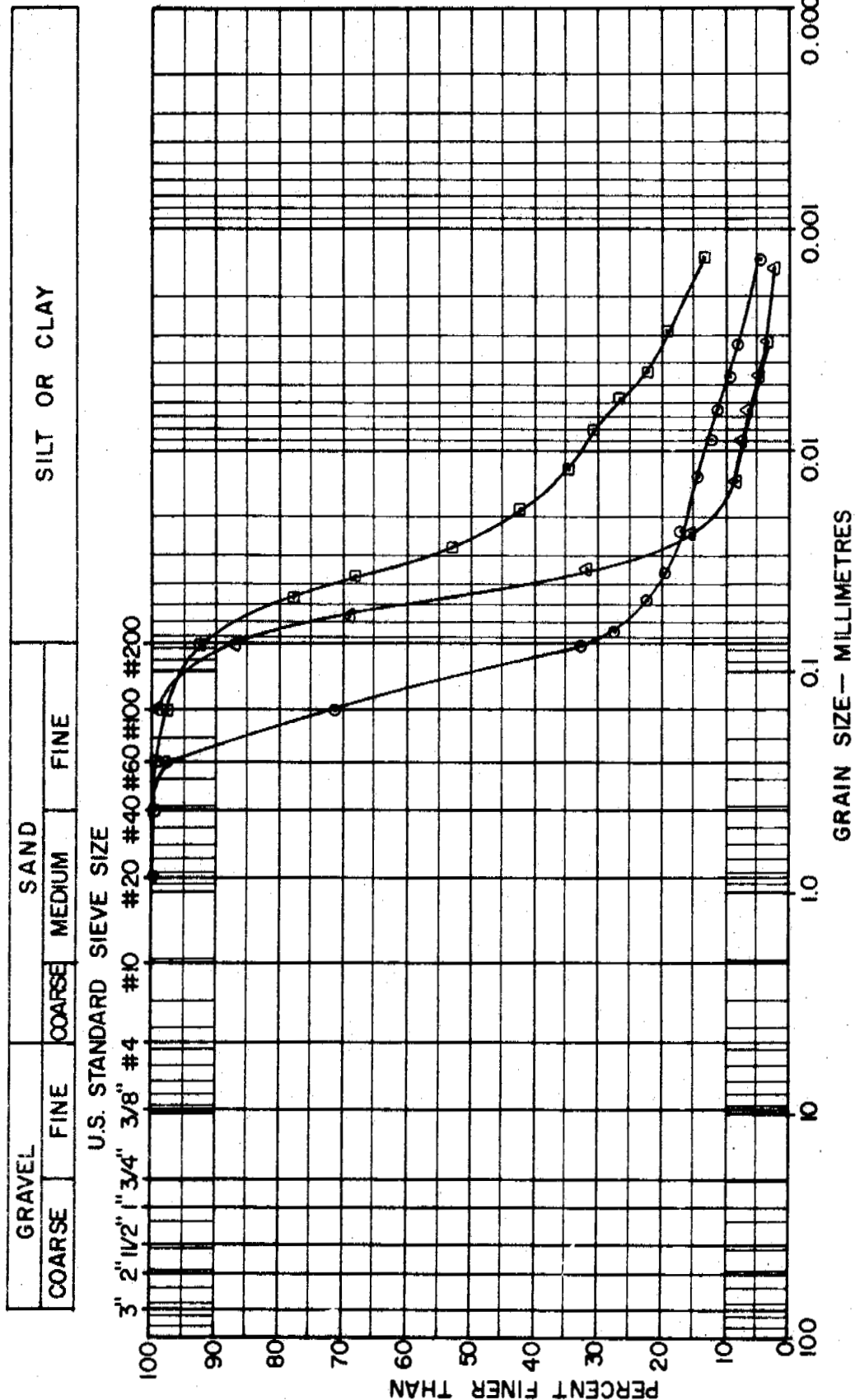
PROJECT

LOCATION 393-S-S

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

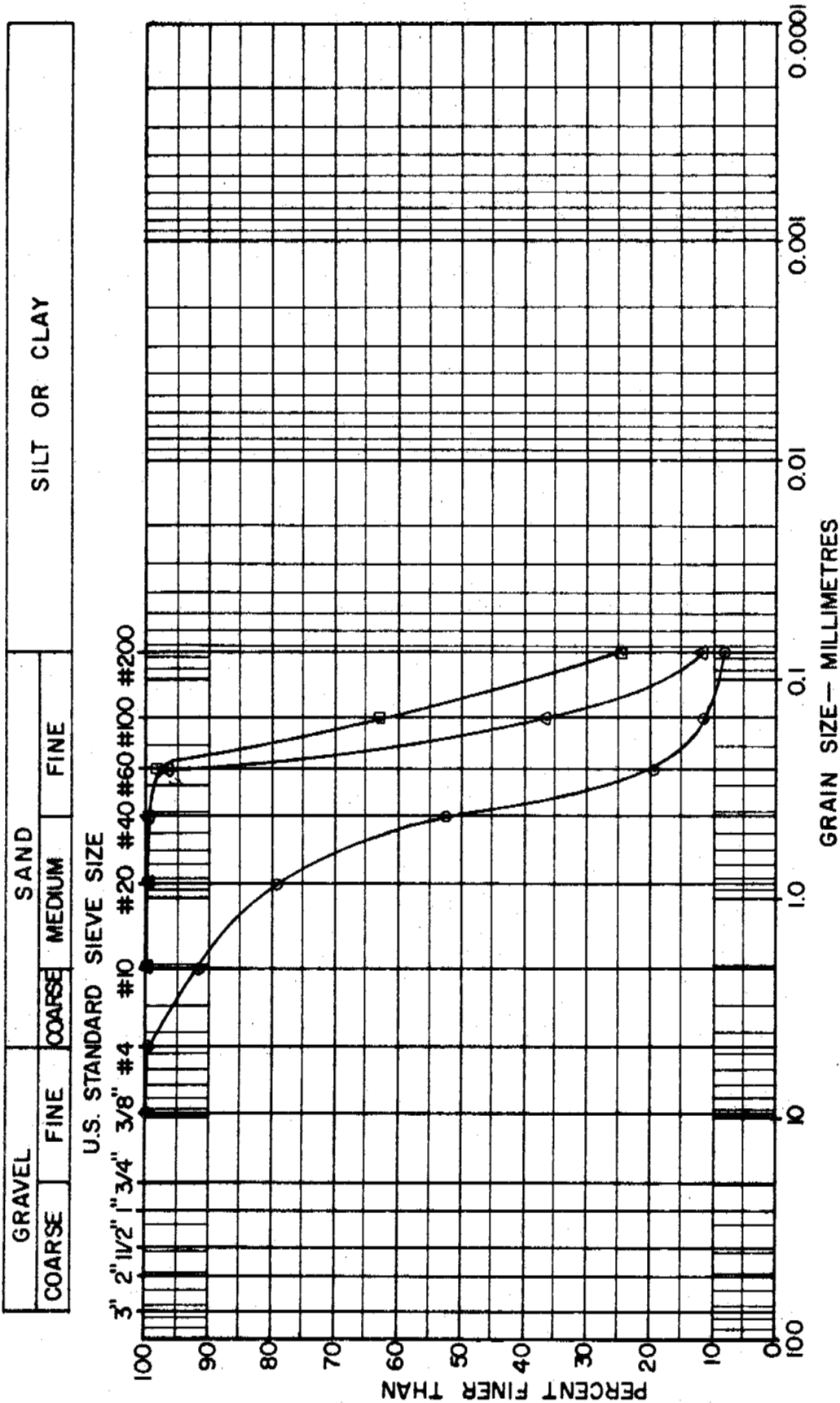
PROJECT

LOCATION 394-C-B

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 4 - 20 ft.

□ Sample No. 7 - 30 ft.

△ Sample No. 6 - 24 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

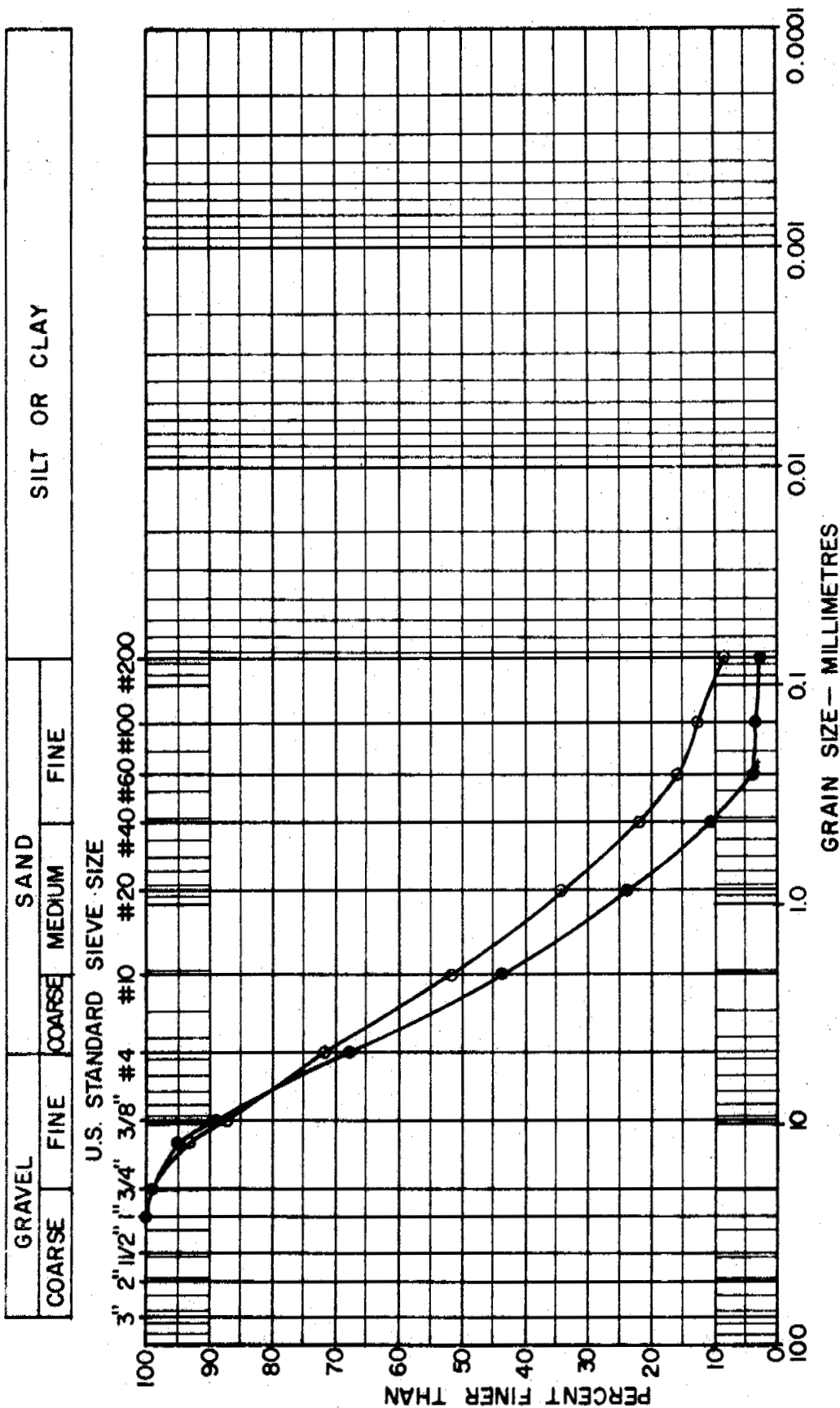
PROJECT

LOCATION 394-C-B

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● Sample No. 1 - 0 ft. - 5 ft.

○ Sample No. 2 - 5 ft. - 10 ft.



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JOB No. AL0307

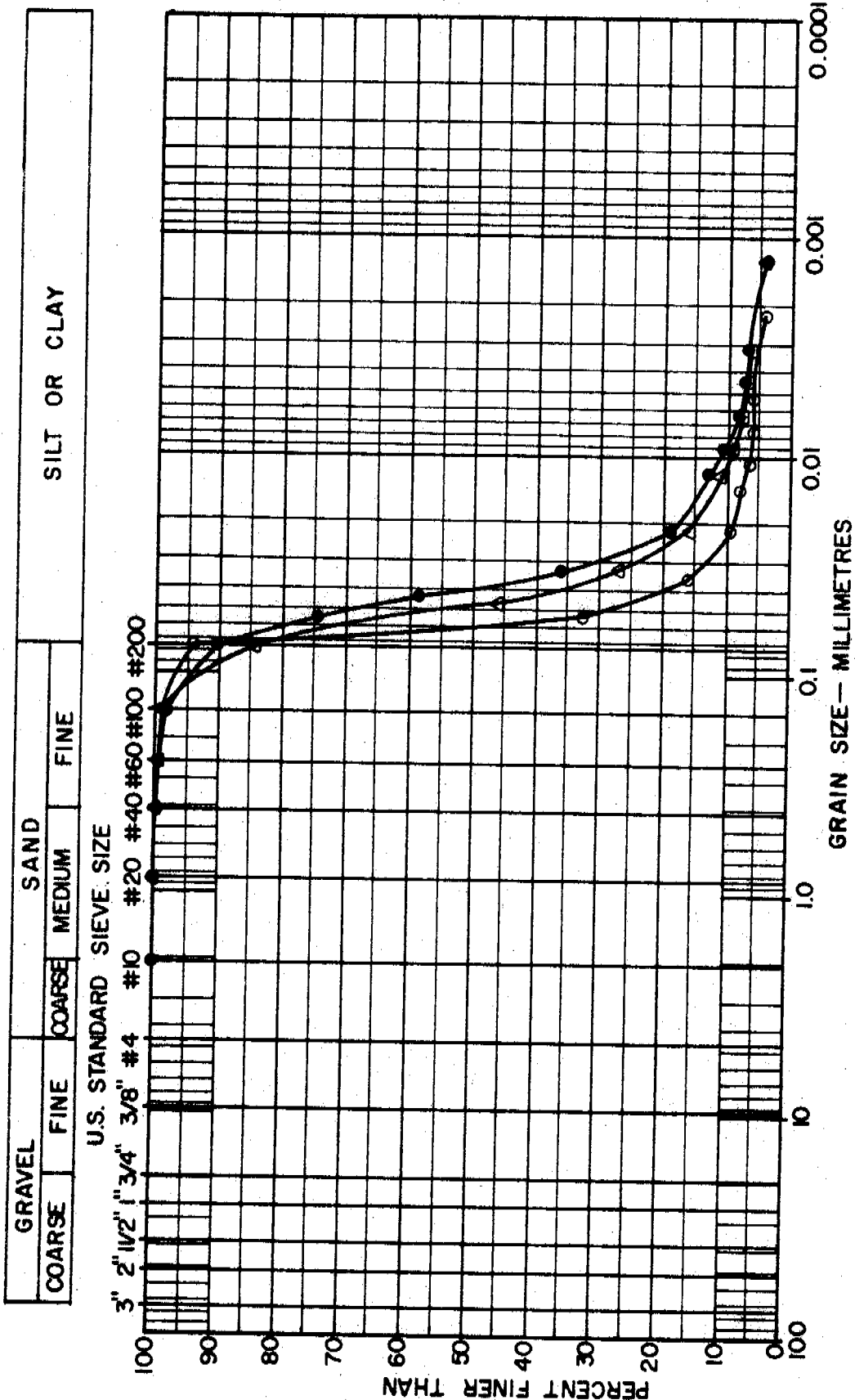
PROJECT

LOCATION 394-S-C

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● Sample No. 1 - 20 ft - 21 ft. 6 inches.
 ○ Sample No. 2 - 30 ft. - 31 ft. 6 inches.
 △ Sample No. 3 - 40 ft. - 40 ft. 6 inches.



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JOB No. AL0307

PROJECT

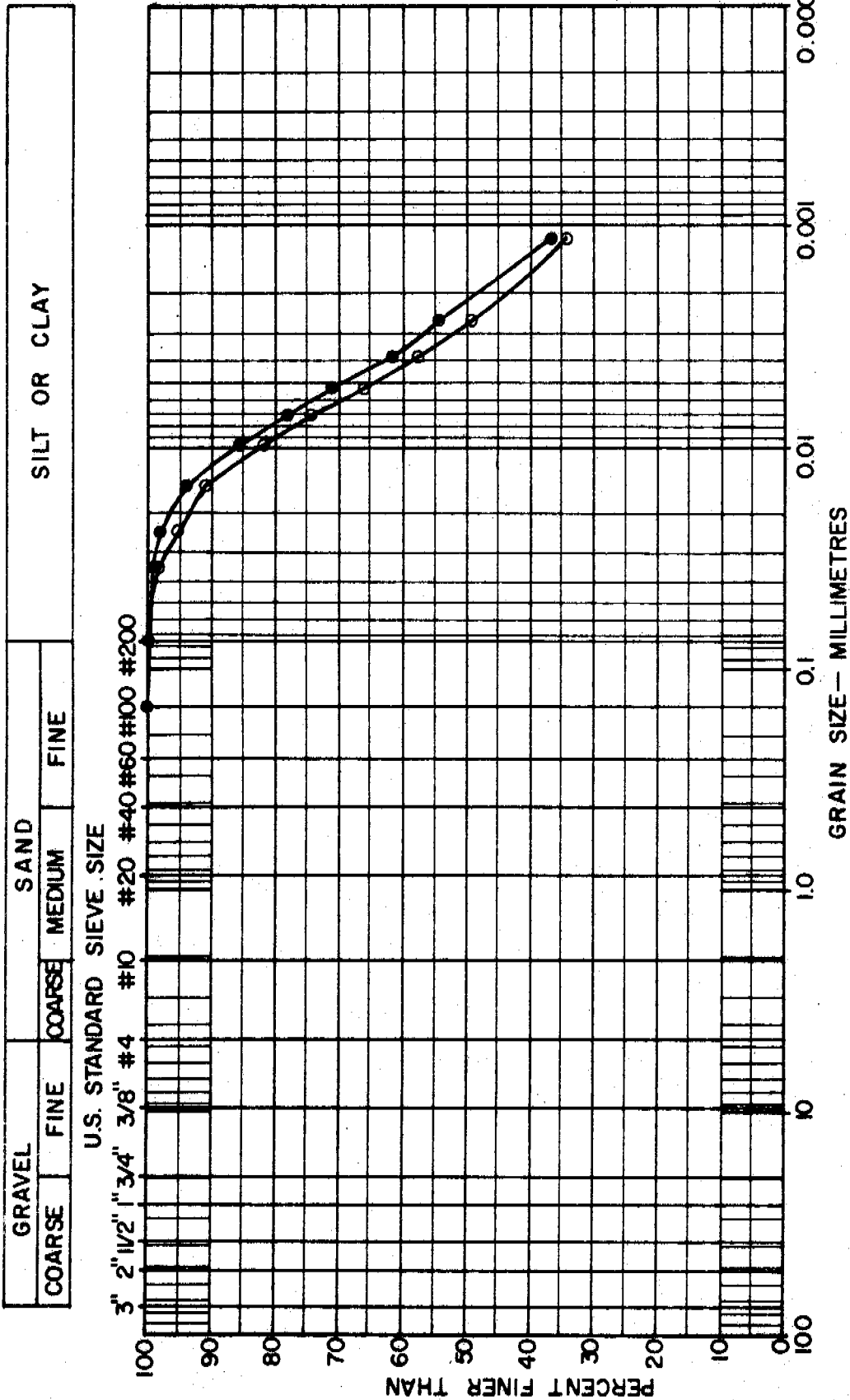
LOCATION 394-S-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● Sample No. 4 - 50 ft. - 51 ft. 6 in.

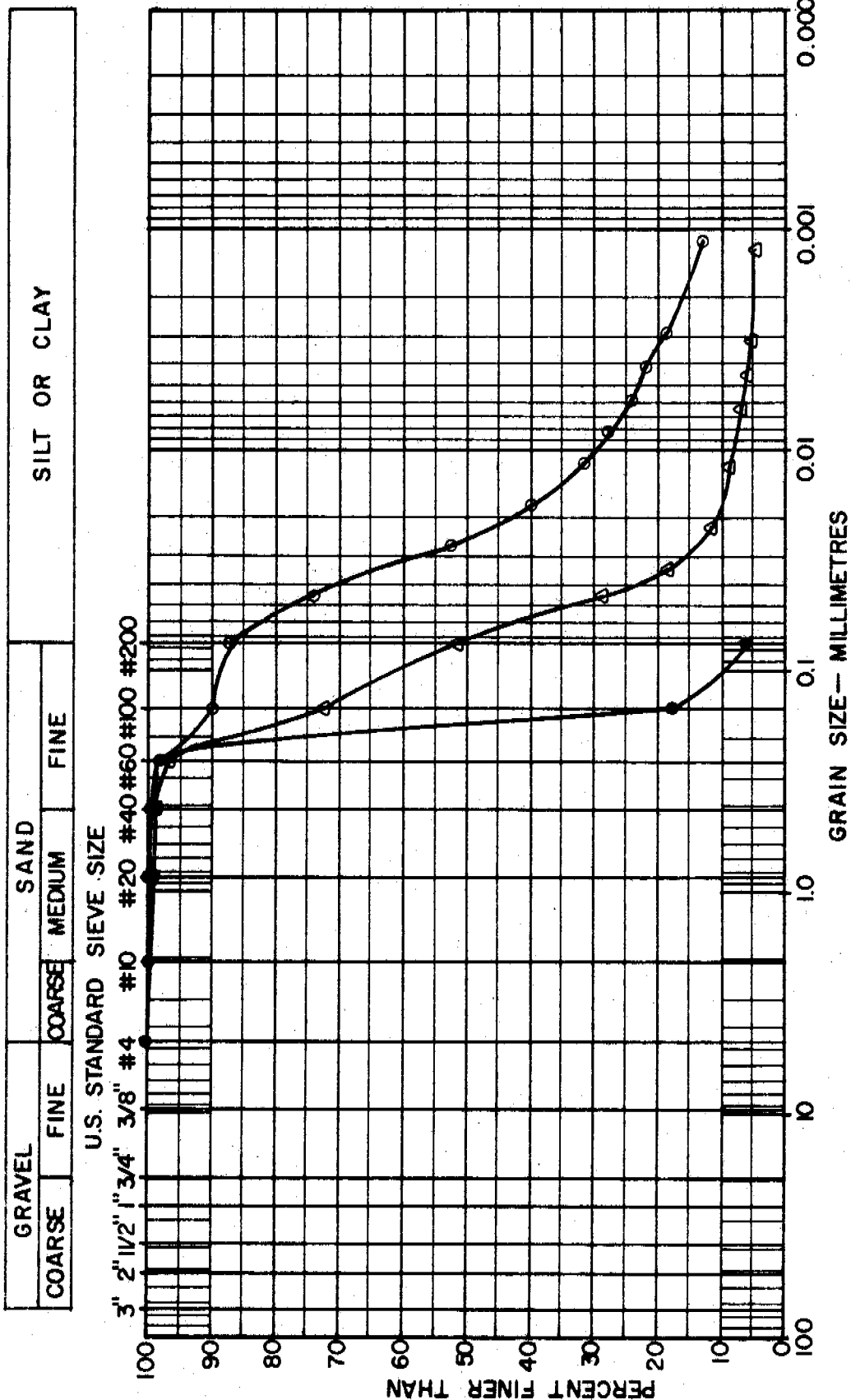
○ Sample No. 5 - 60 ft. - 61 ft. 6 in.



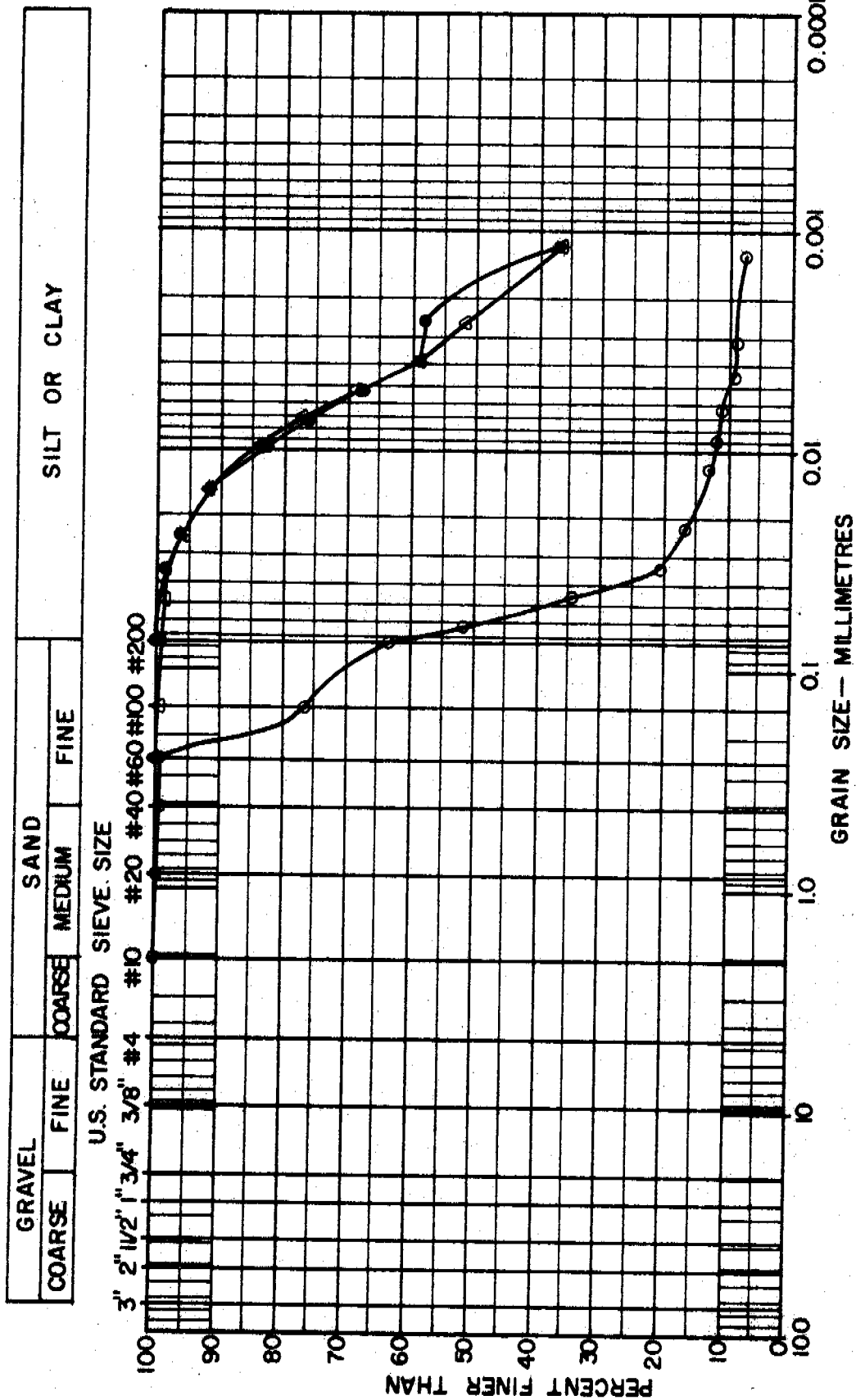
Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No.	AL0307
PROJECT	
LOCATION	394-S-D
HOLE No.	DEPTH
DATE	

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ● Sample No. 4 - 45 ft.

○ Sample No. 5 - 55 ft.

△ Sample No. 6 - 65 ft.



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

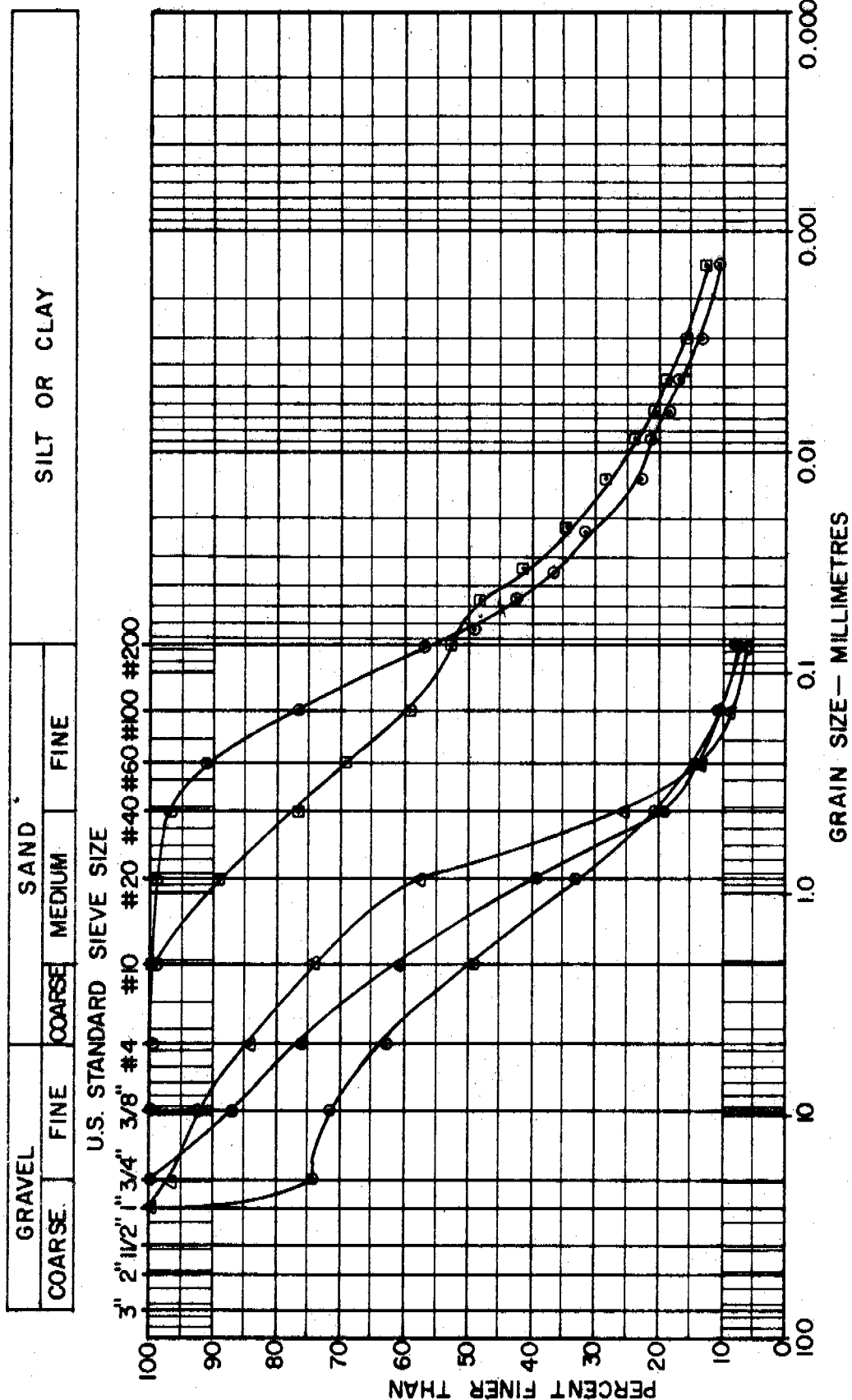
LOCATION 394-S-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

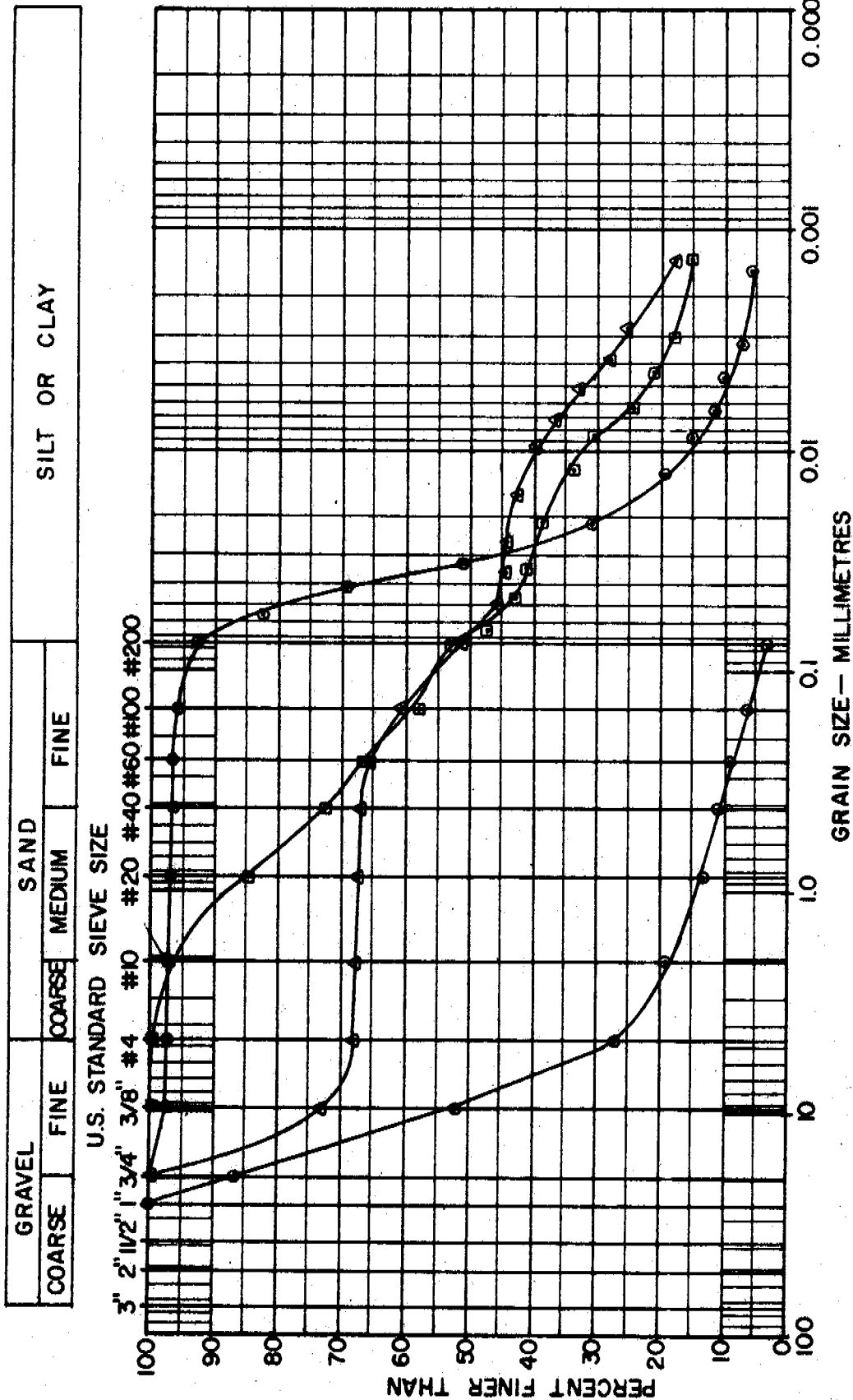
LOCATION 394-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 7 - 40 ft.

□ Sample No. 8 - 45 ft.

△ Sample No. 9 - 50 ft.

◇ Sample No. 11 - 60 ft.



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JOB No. AL0307

PROJECT

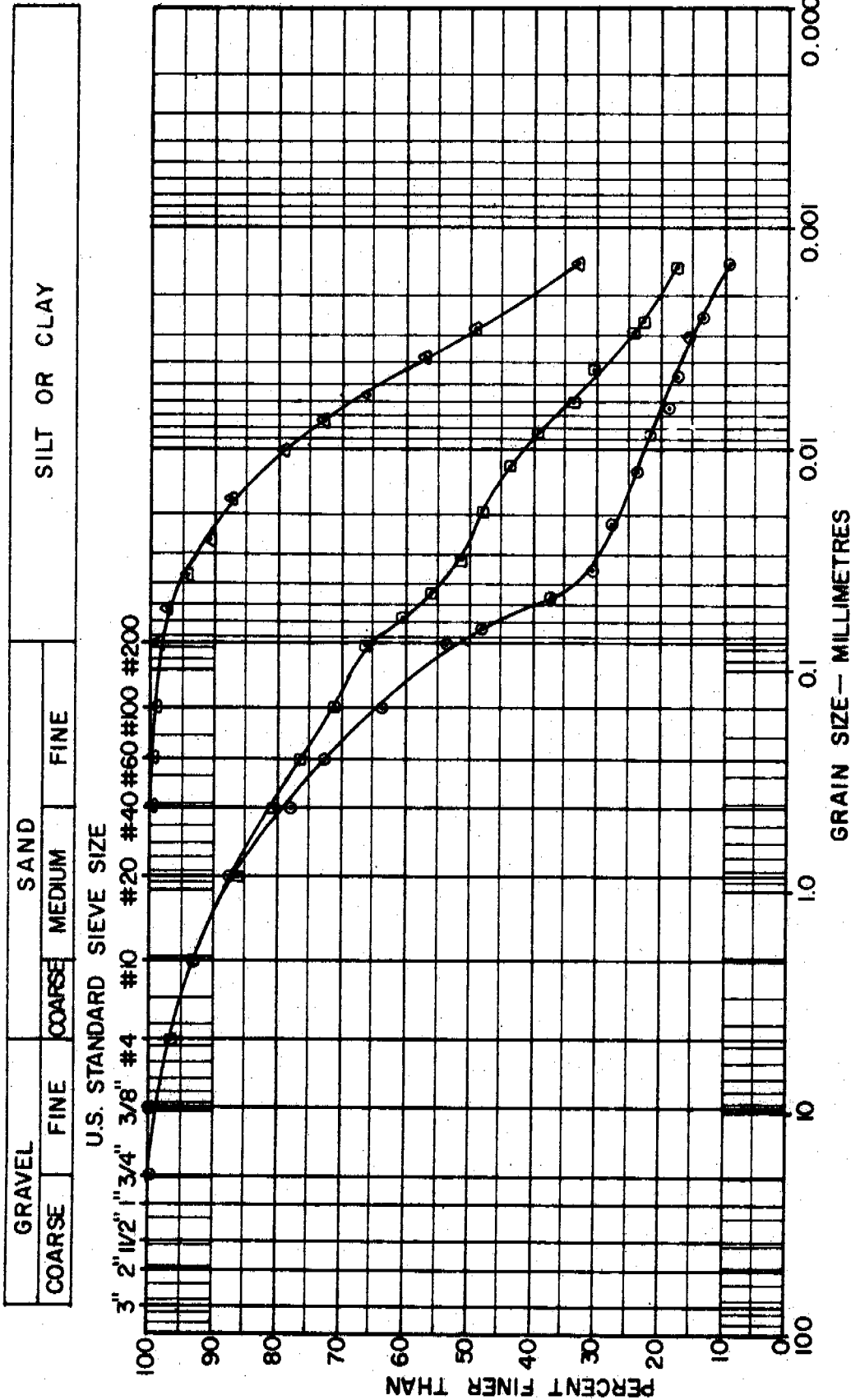
LOCATION 394-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



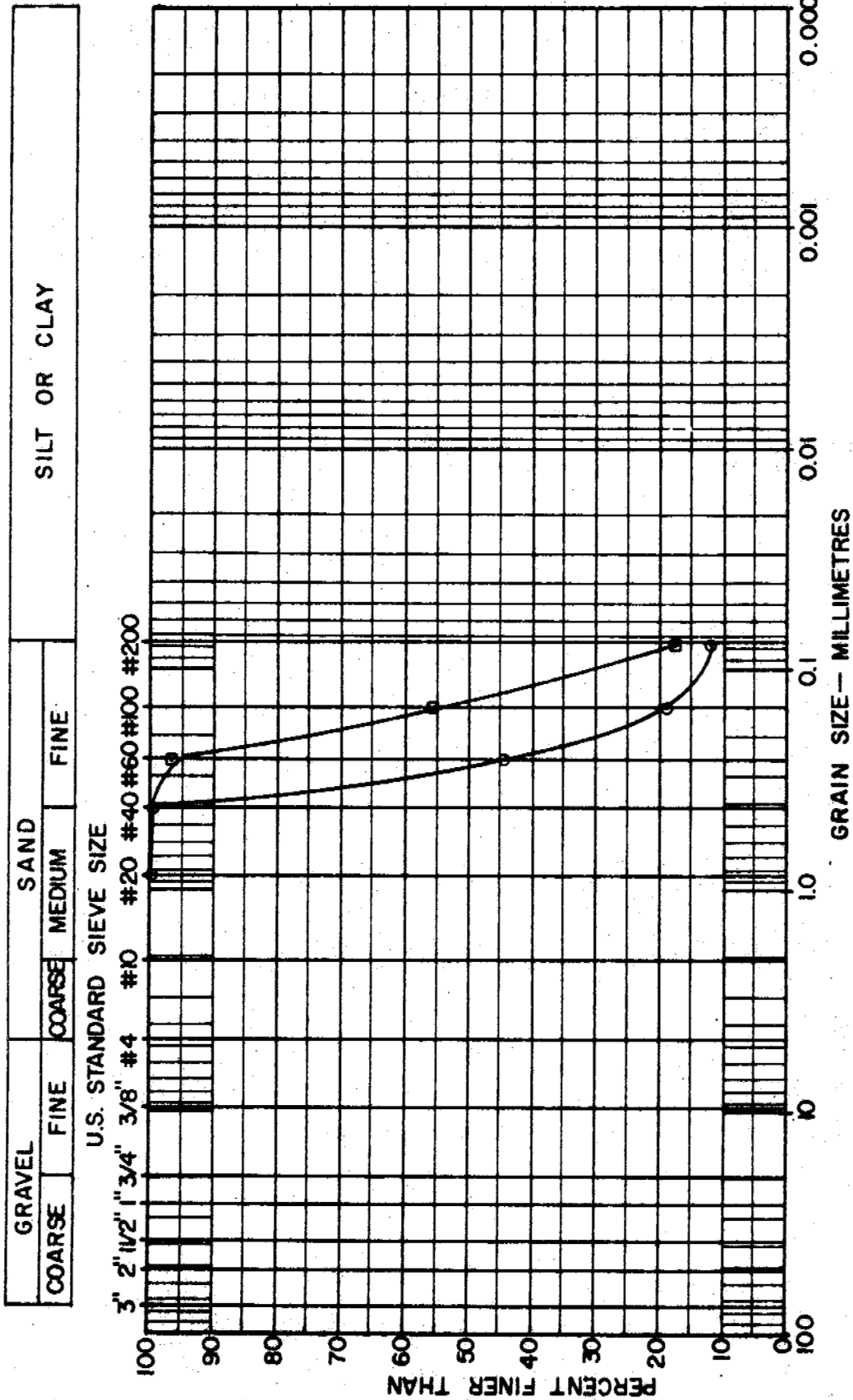
REMARKS: ☒ Sample No. 12 - 70 ft.
☐ Sample No. 14 - 80 ft.
☒ Sample No. 16 - 100 ft.



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JOB No.	AL0307
PROJECT	
LOCATION	394-S-F
HOLE No.	DEPTH
DATE	

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

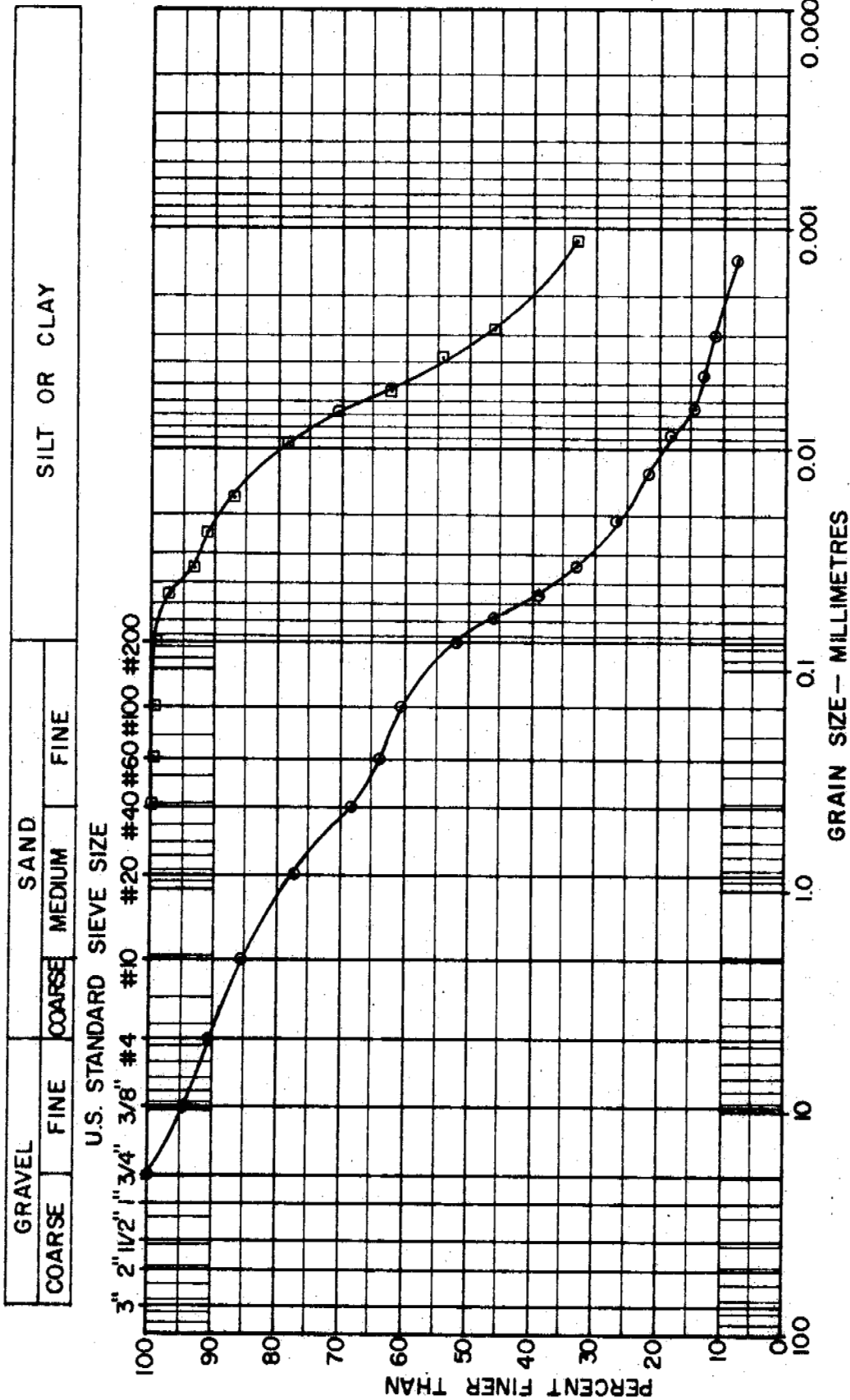
PROJECT

LOCATION 394-C-G

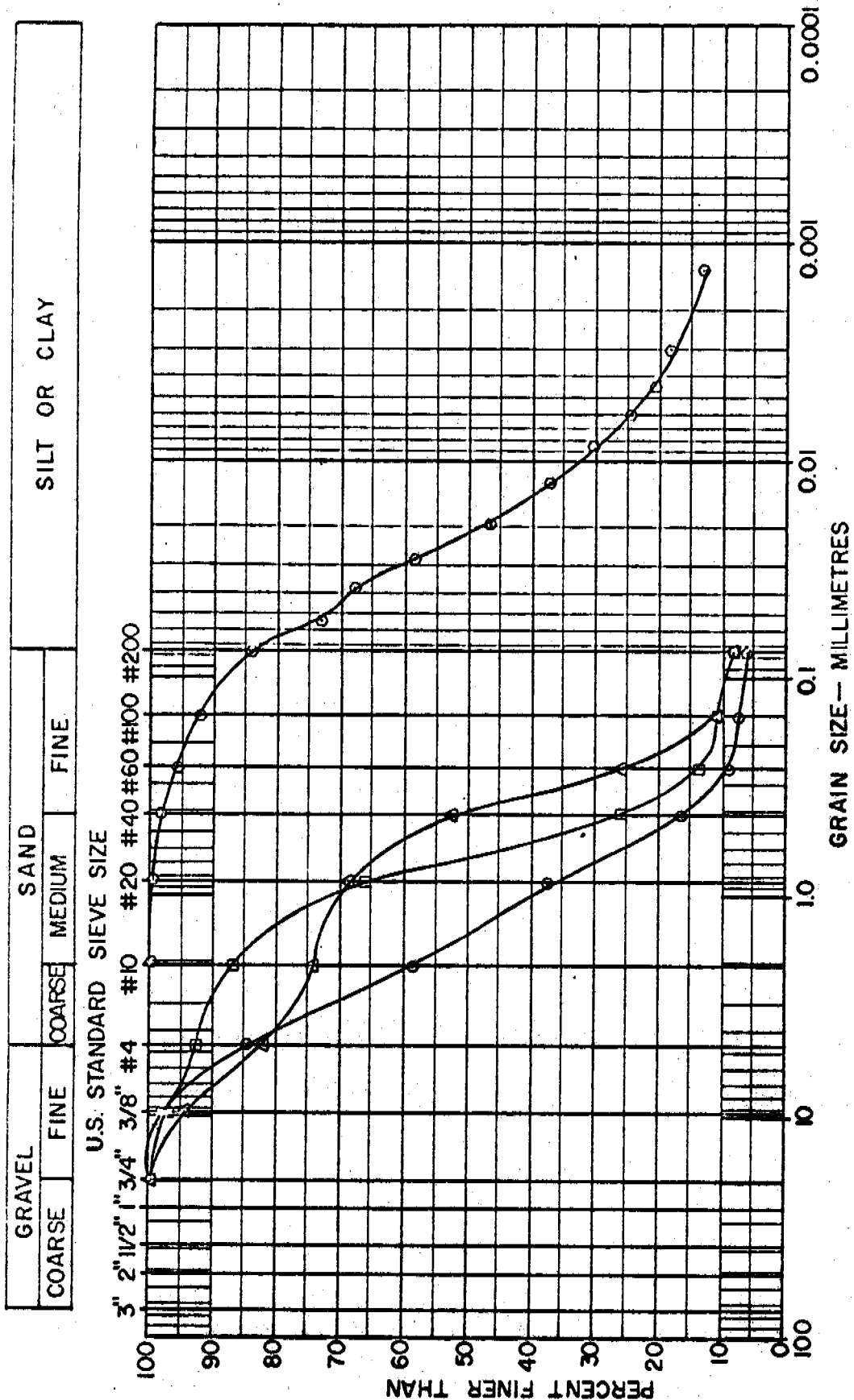
HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: 0 Sample No. 3 - 15 ft.

☐ Sample No. 4 - 20 ft.

△ Sample No. 5 - 25 ft.



JOB No. AL 0307

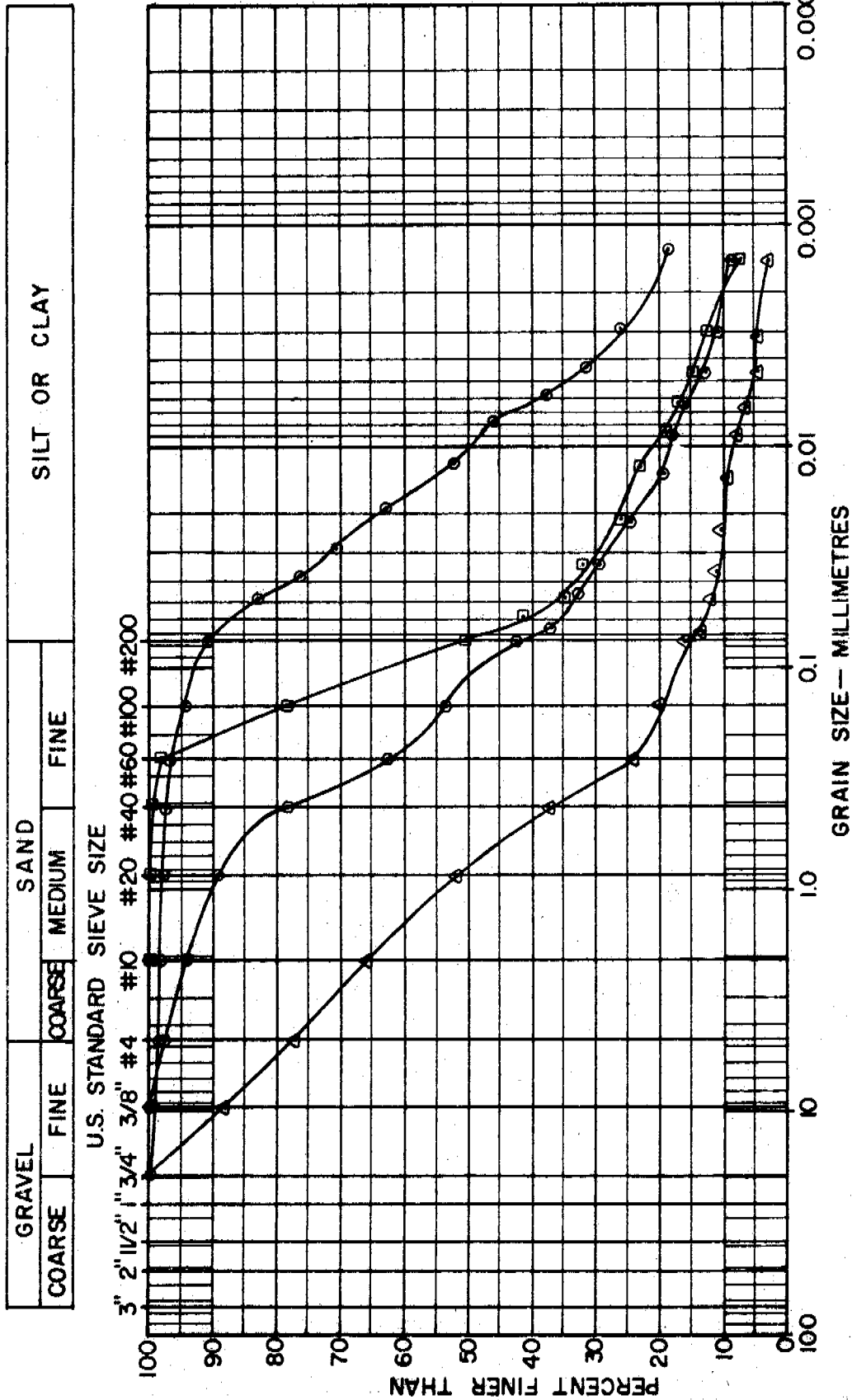
PROJECT

LOCATION 394-C-G

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft. - 6 ft. 6 inch.

□ Sample No. 2 - 10 ft. - 11 ft.

△ Sample No. 4 - -- 13 ft

◇ Sample No. 5 - -- 20 ft



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

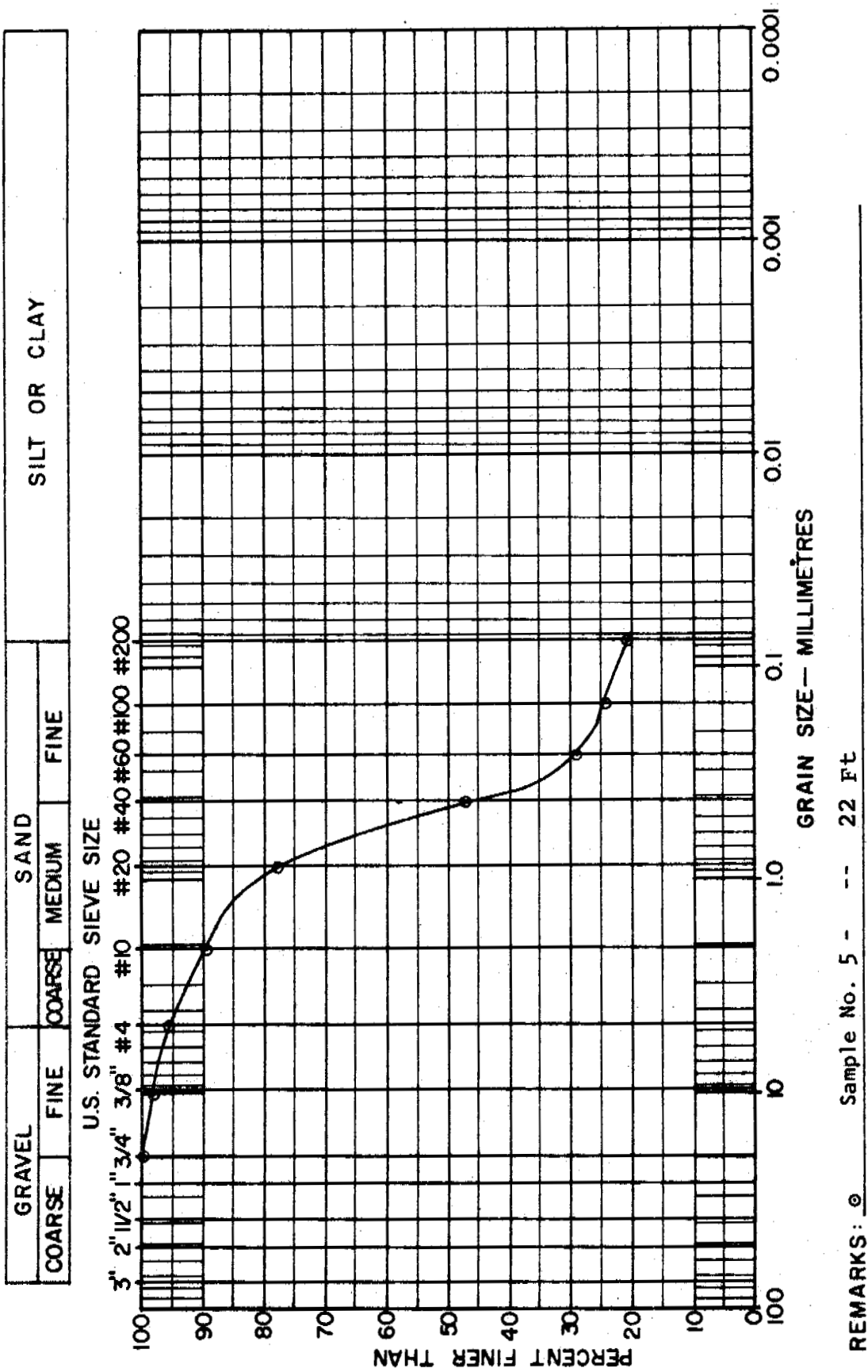
LOCATION 394-C-H

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @

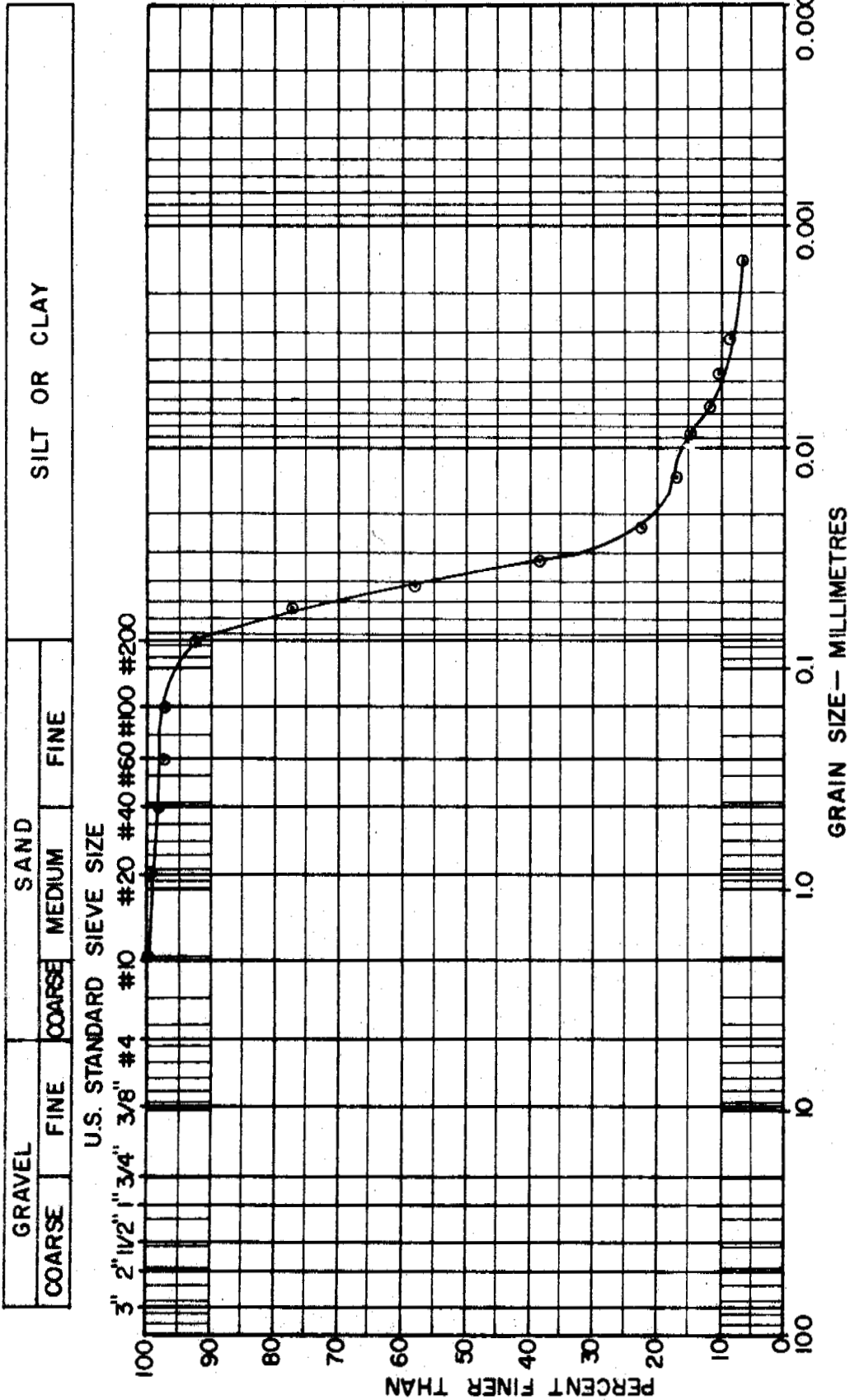


PROJECT

HOLE No.

DATE _____

GRAIN SIZE CURVE



REMARKS: Sample No. 10 - 40 to 45 Ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

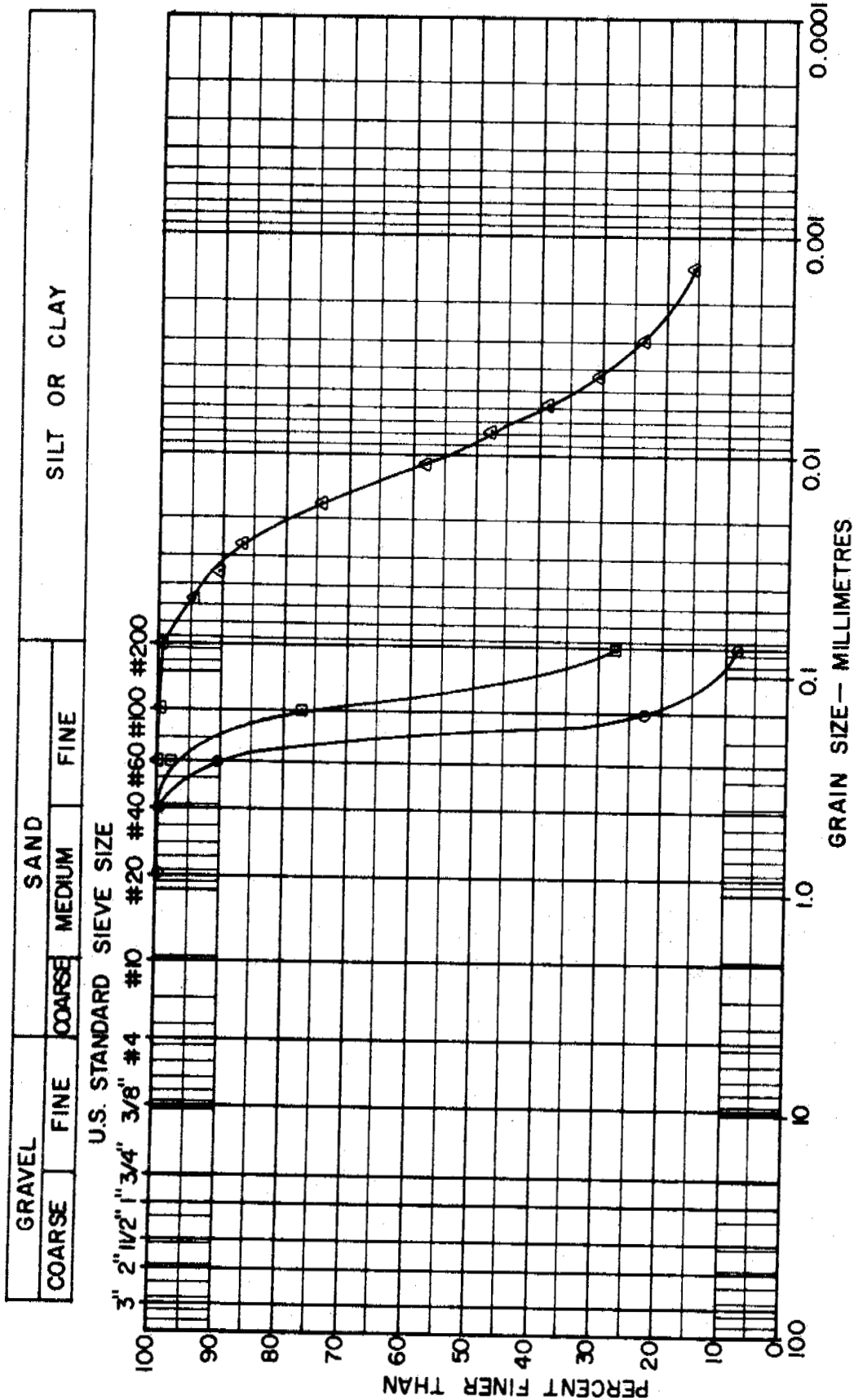
LOCATION 394-C-1

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 4 - 20 ft.

□ Sample No. 6 - 30 ft.

△ Sample No. 9 - 45 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

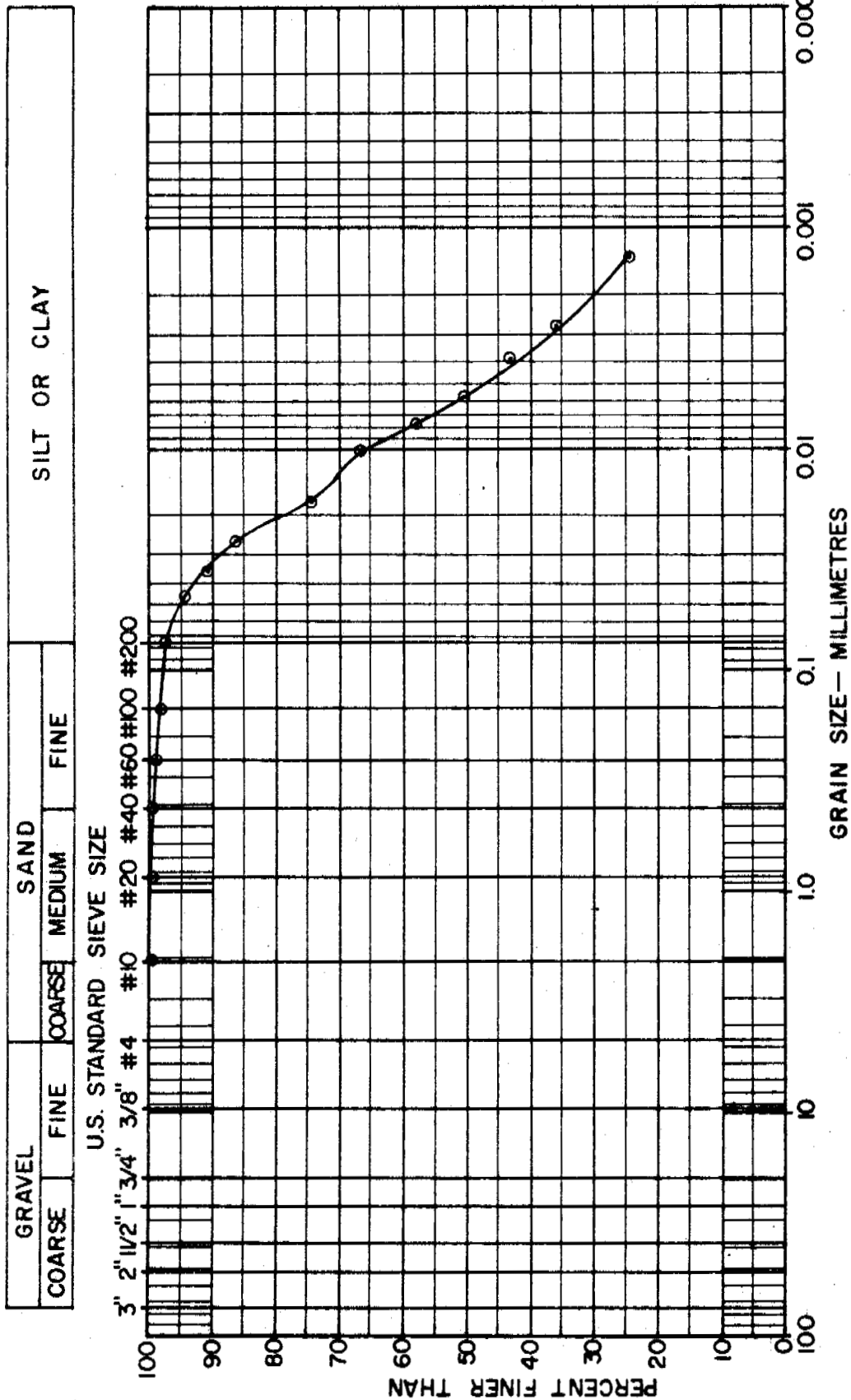
LOCATION 394-C-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: © Sample No. 8 - 40 ft.



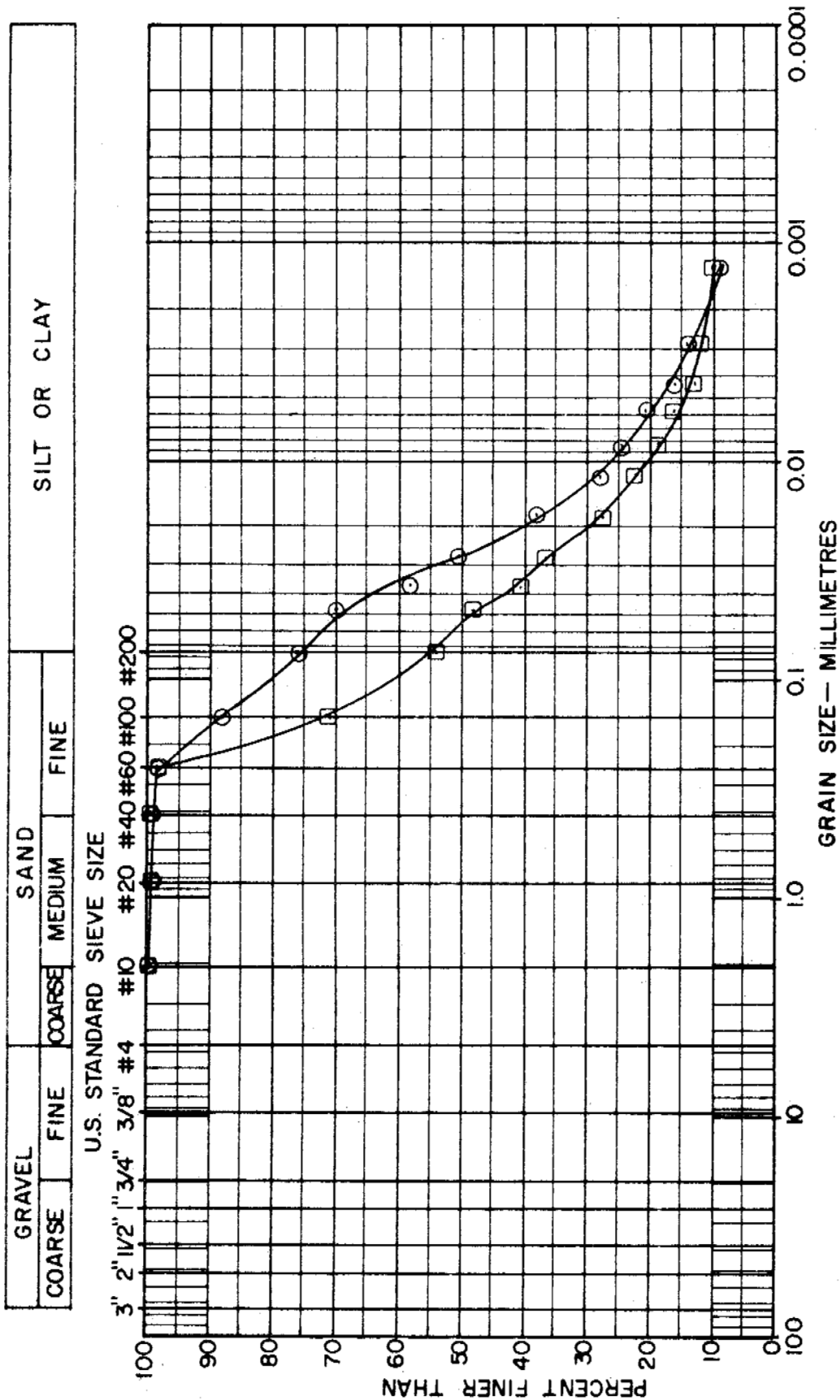
PROJECT

HOLE No.

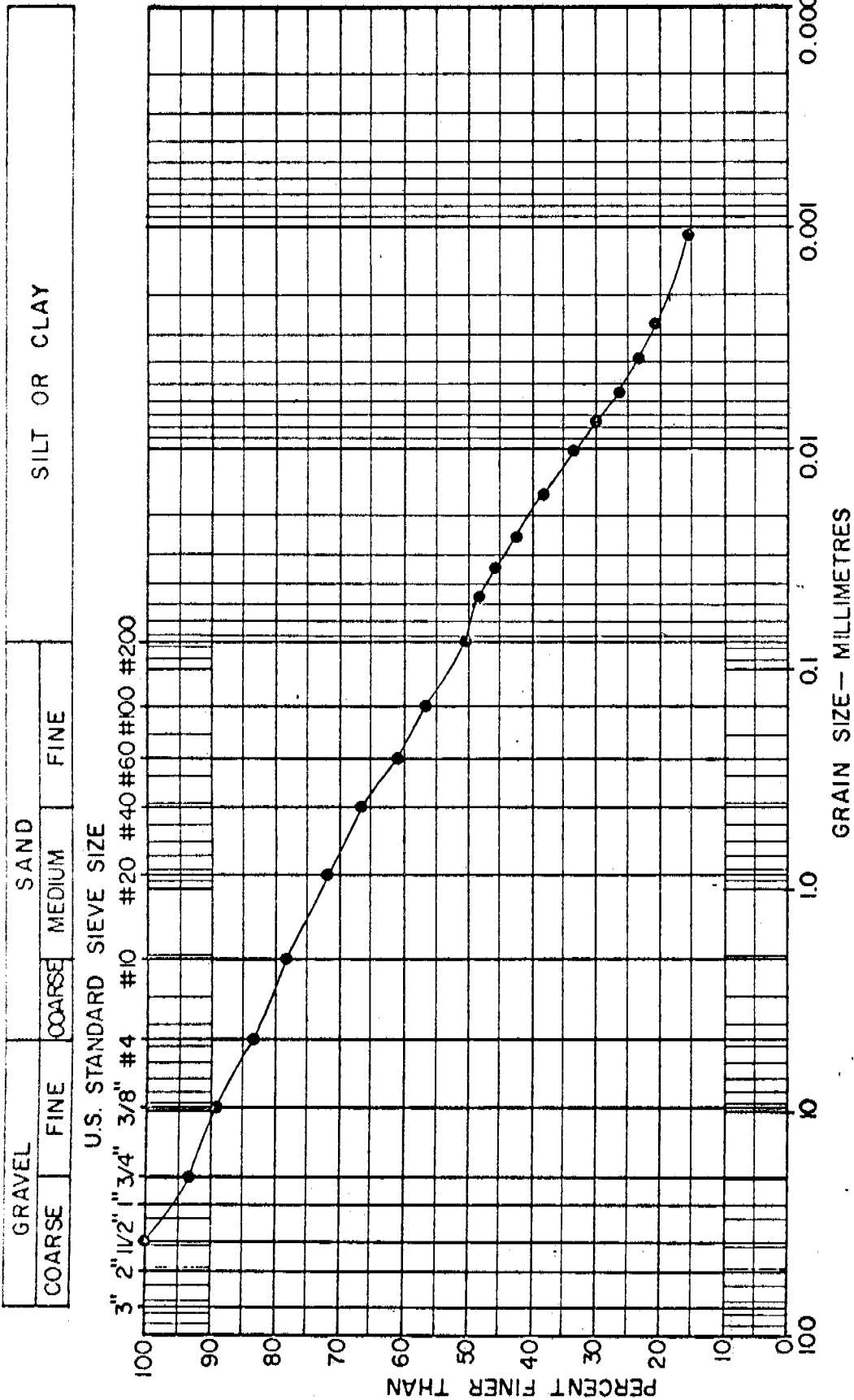
DEPTH

DATE _____

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: • Sample No. 2 - 10' - 11 1/2'

JOB No. AL0307

PROJECT

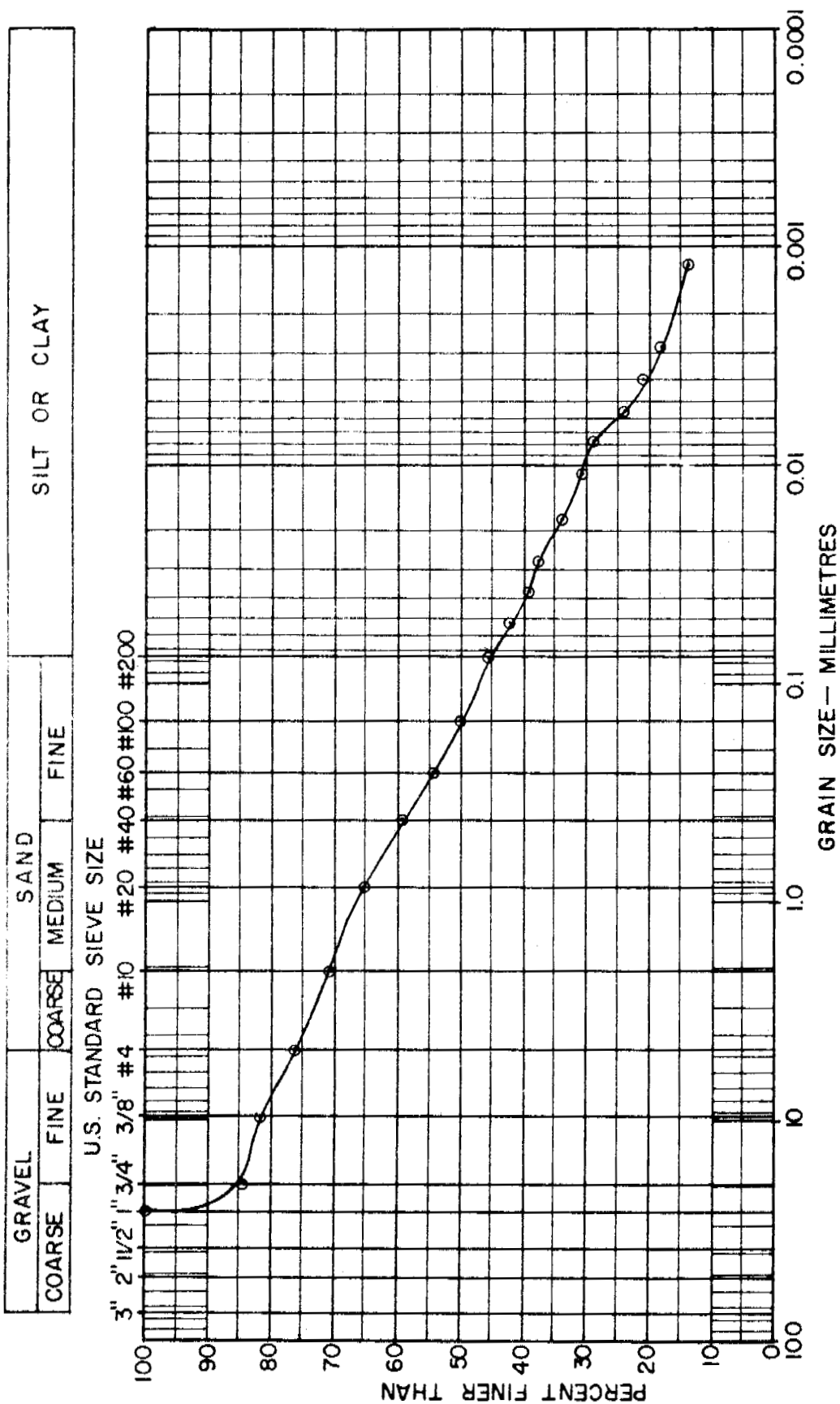
LOCATION 396-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☉ Sample No. 3 - 15 ft. - 16 ft. 6 inches.



JOB No. AL0307

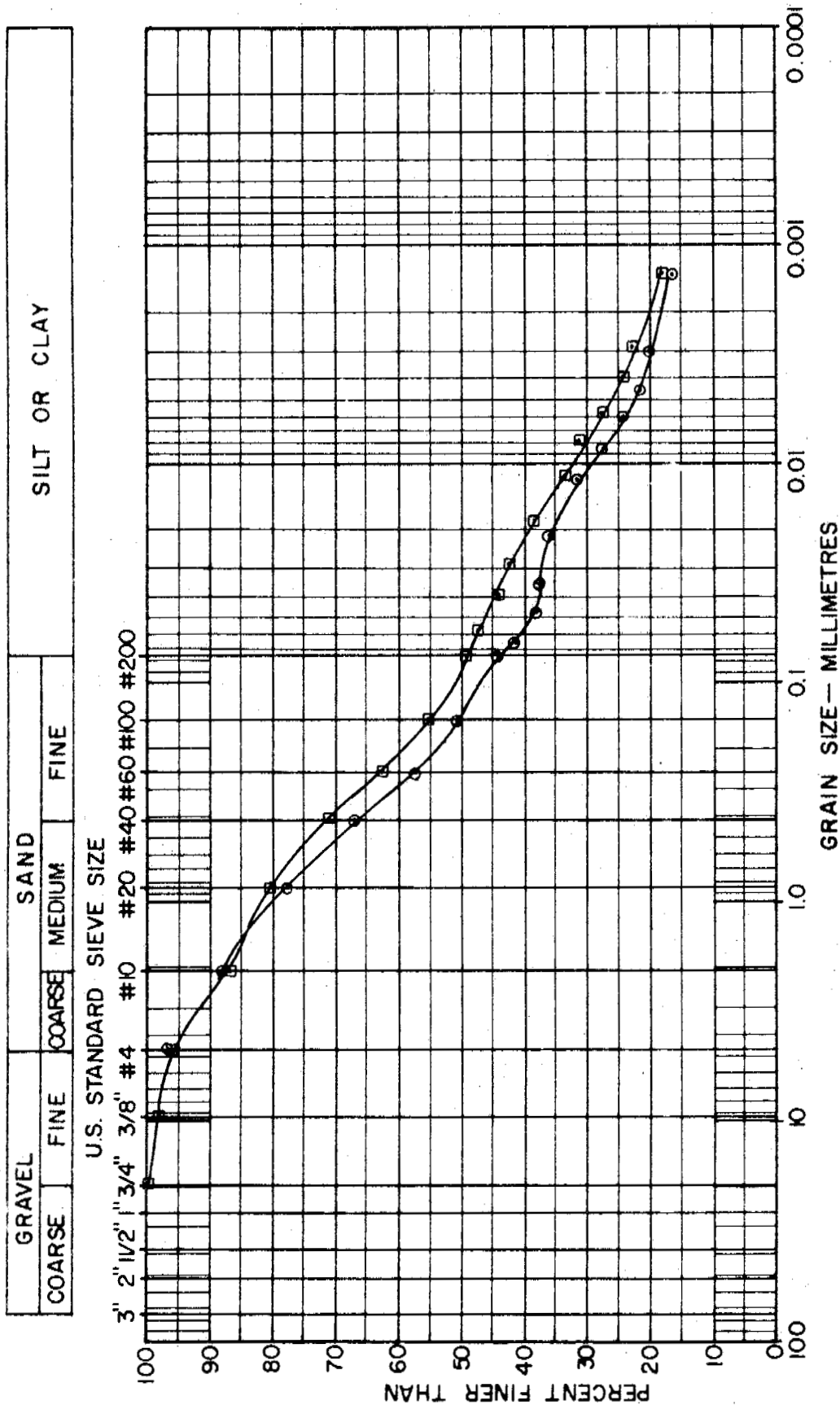
PROJECT

LOCATION 396-S-B

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

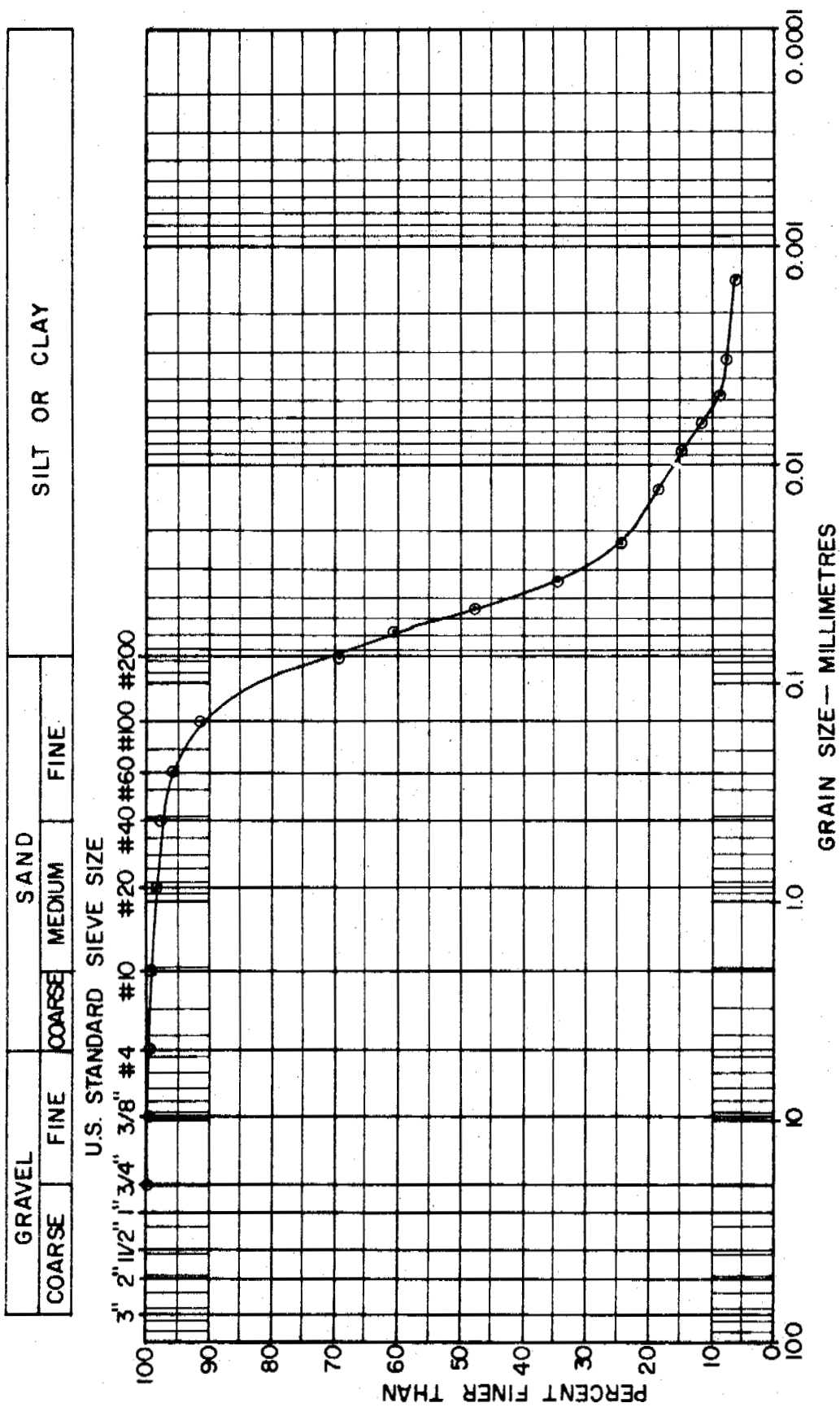
LOCATION 396-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft. 0 inch - 6 ft. 6 inches.



JOB No. AL0307

PROJECT

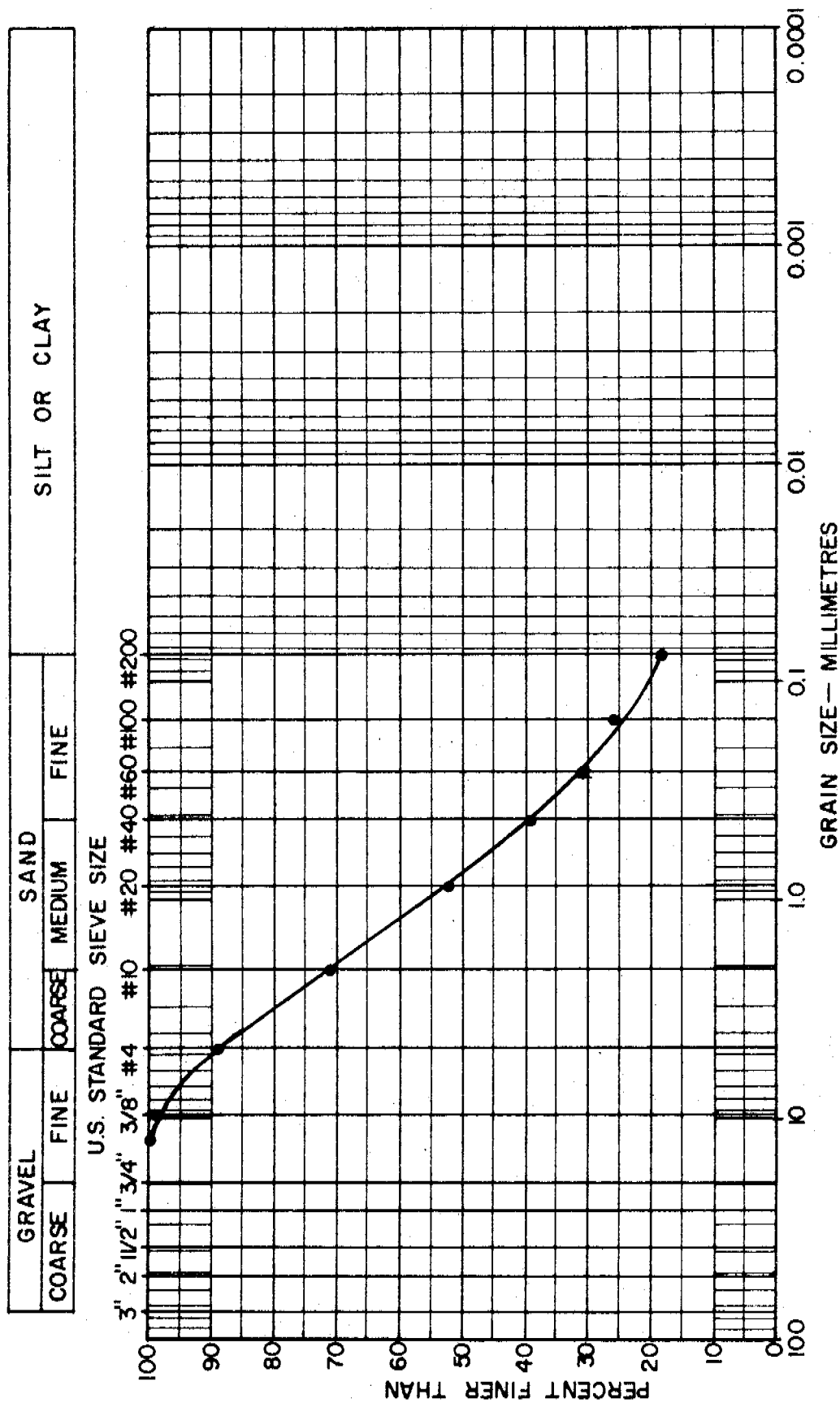
LOCATION 396-S-D

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ● - 5 ft.



JOB No. AL0307

PROJECT

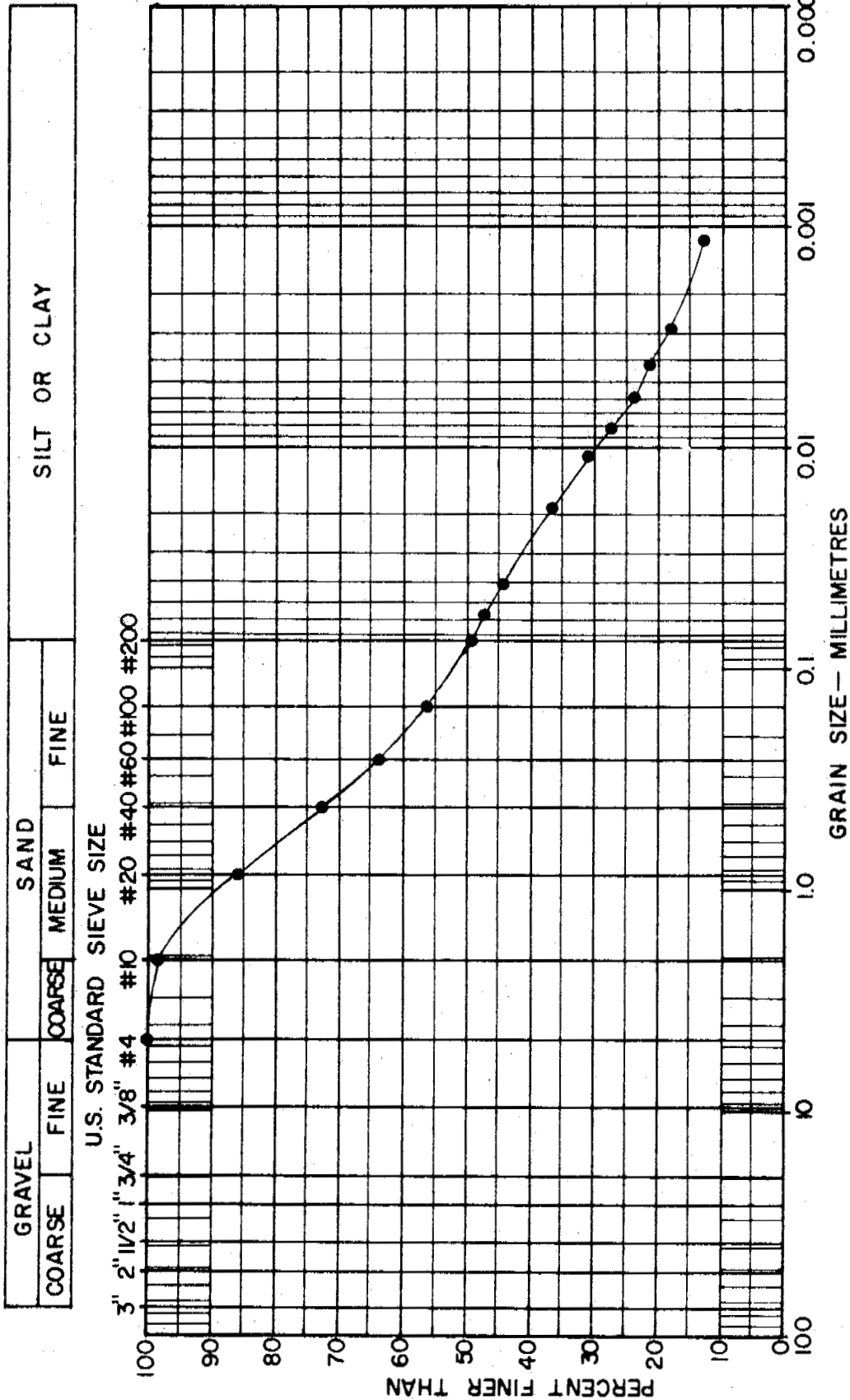
LOCATION 396-S-G

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: • - 20 ft.



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JOB No. AL0307

PROJECT

LOCATION 396-S-H

HOLE No.

DEPTH

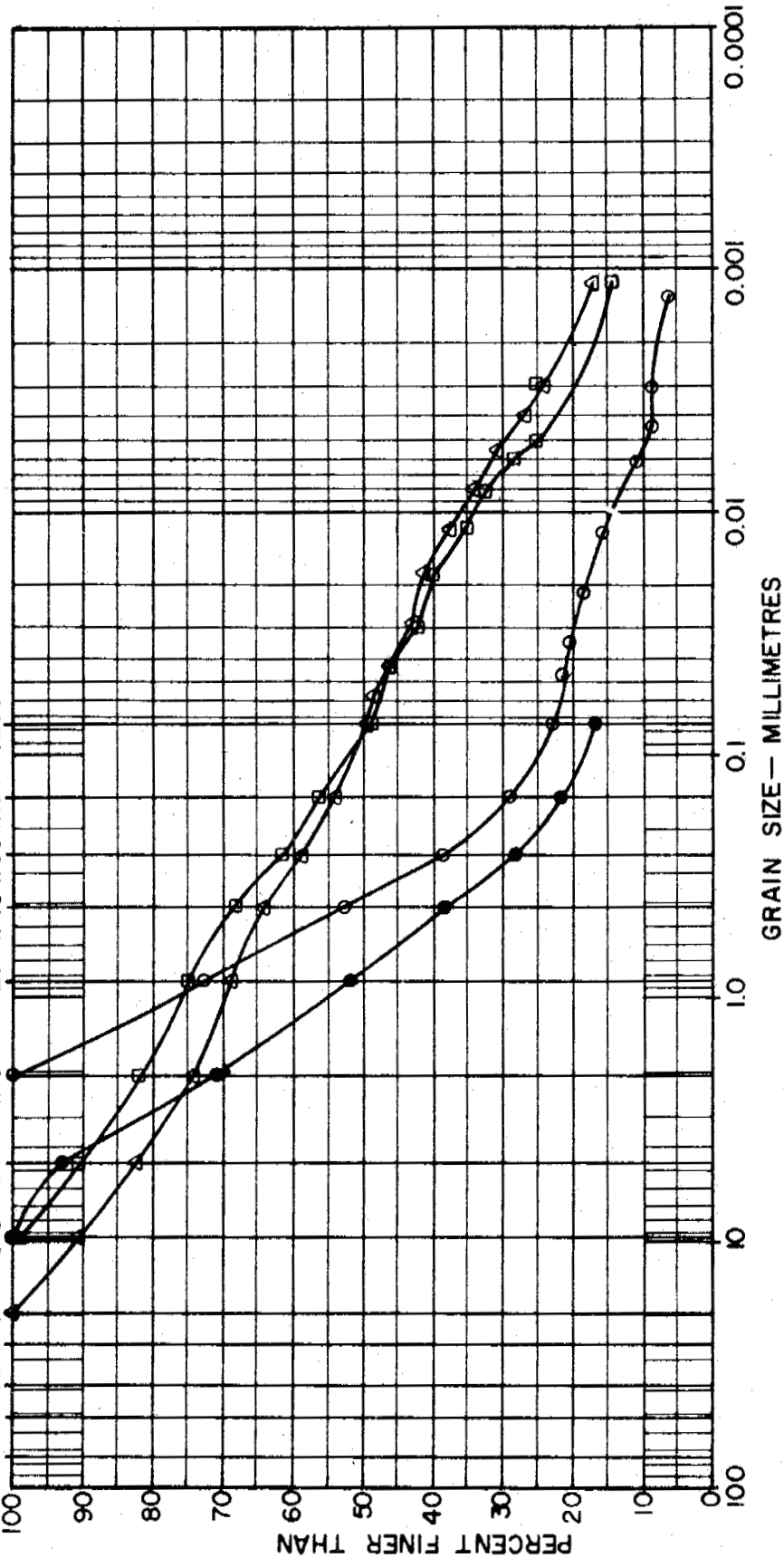
DATE

GRAIN SIZE CURVE

GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 2" 1 1/2" 1 1/4" 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



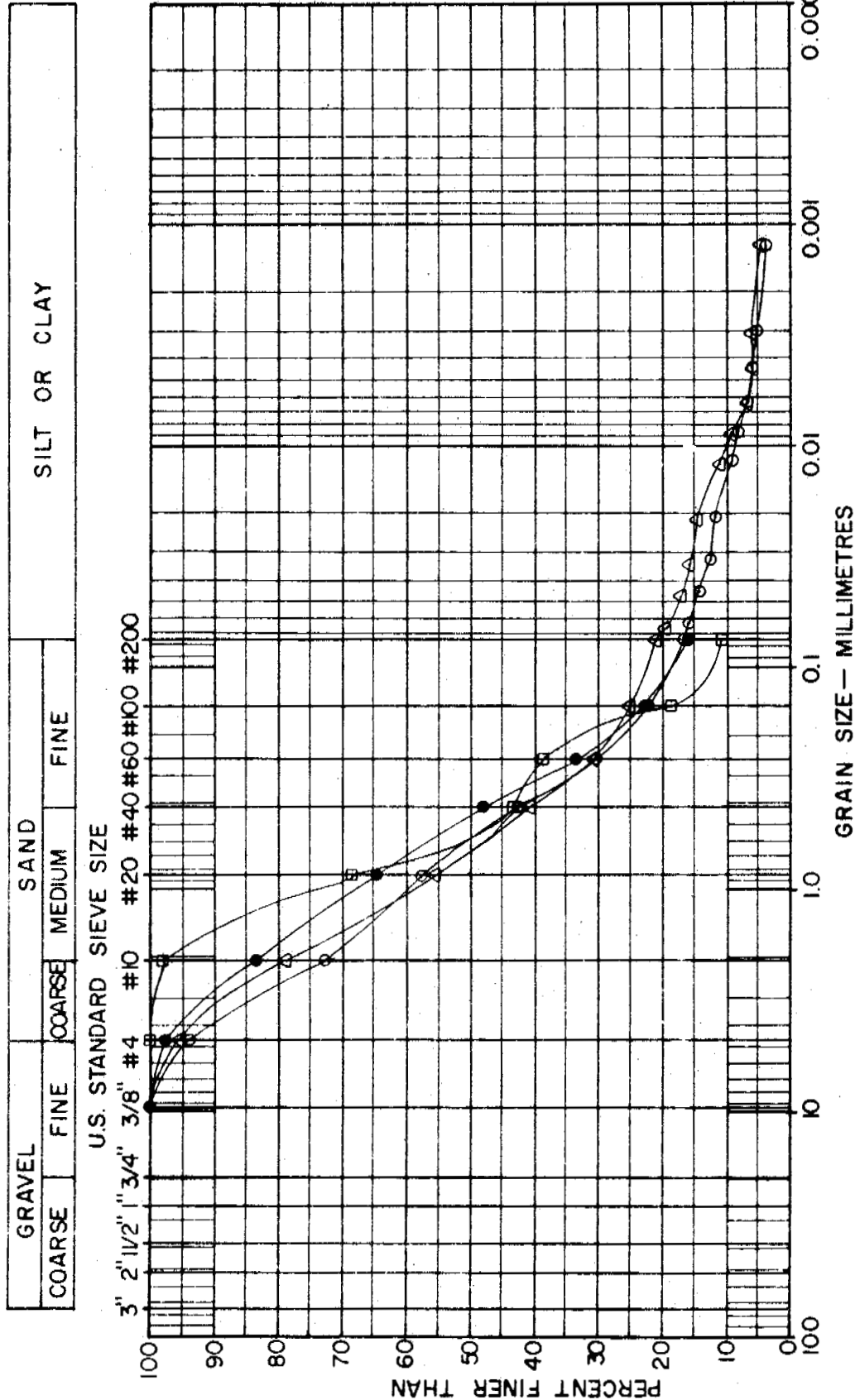
REMARKS: ● 10 ft.
○ 20 ft.
△ 35 ft.
□ 39 ft.



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JOB No. AL0307
PROJECT
LOCATION 396-S-1
HOLE No. DEPTH
DATE

GRAIN SIZE CURVE



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

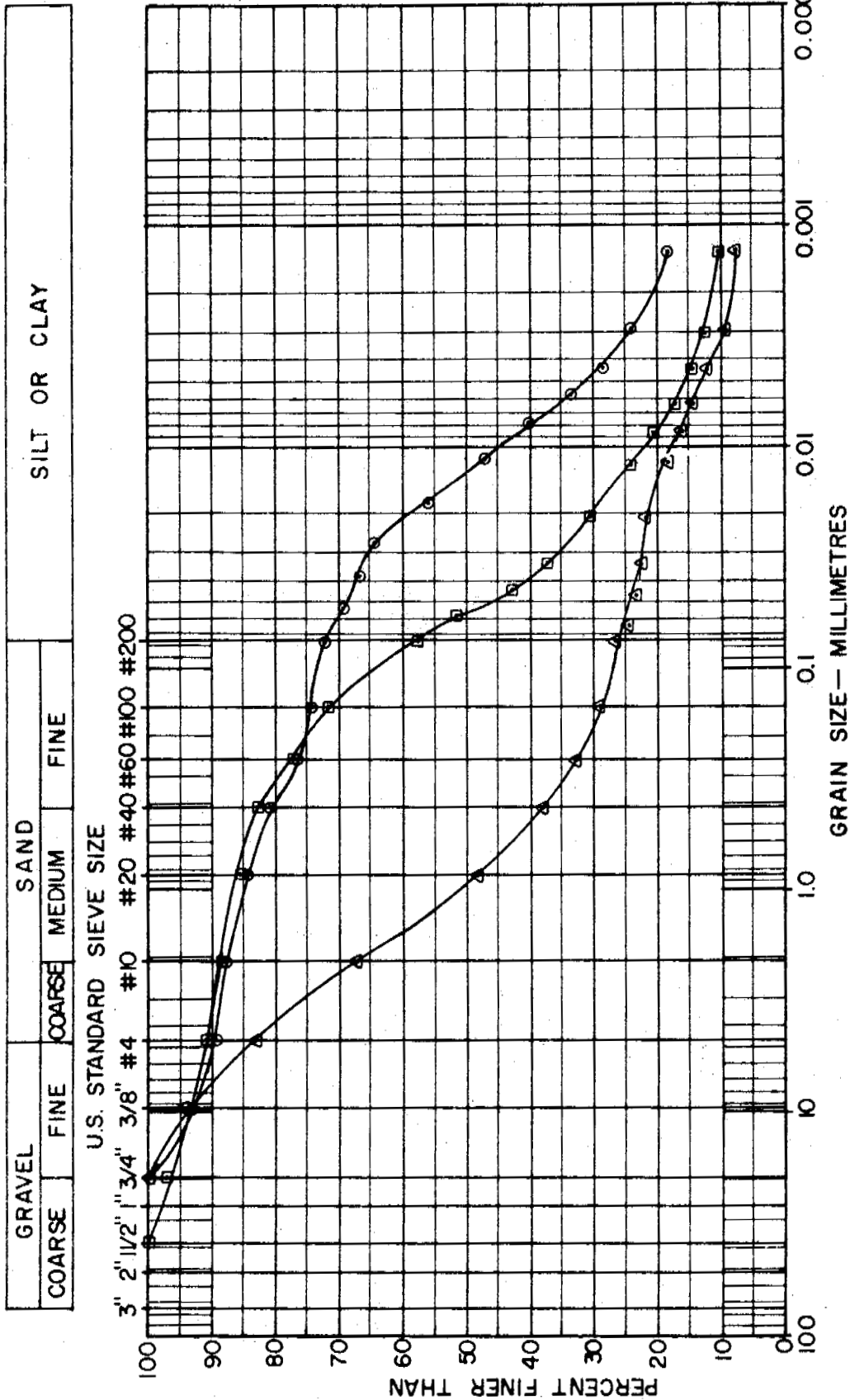
PROJECT

LOCATION 396-S-0

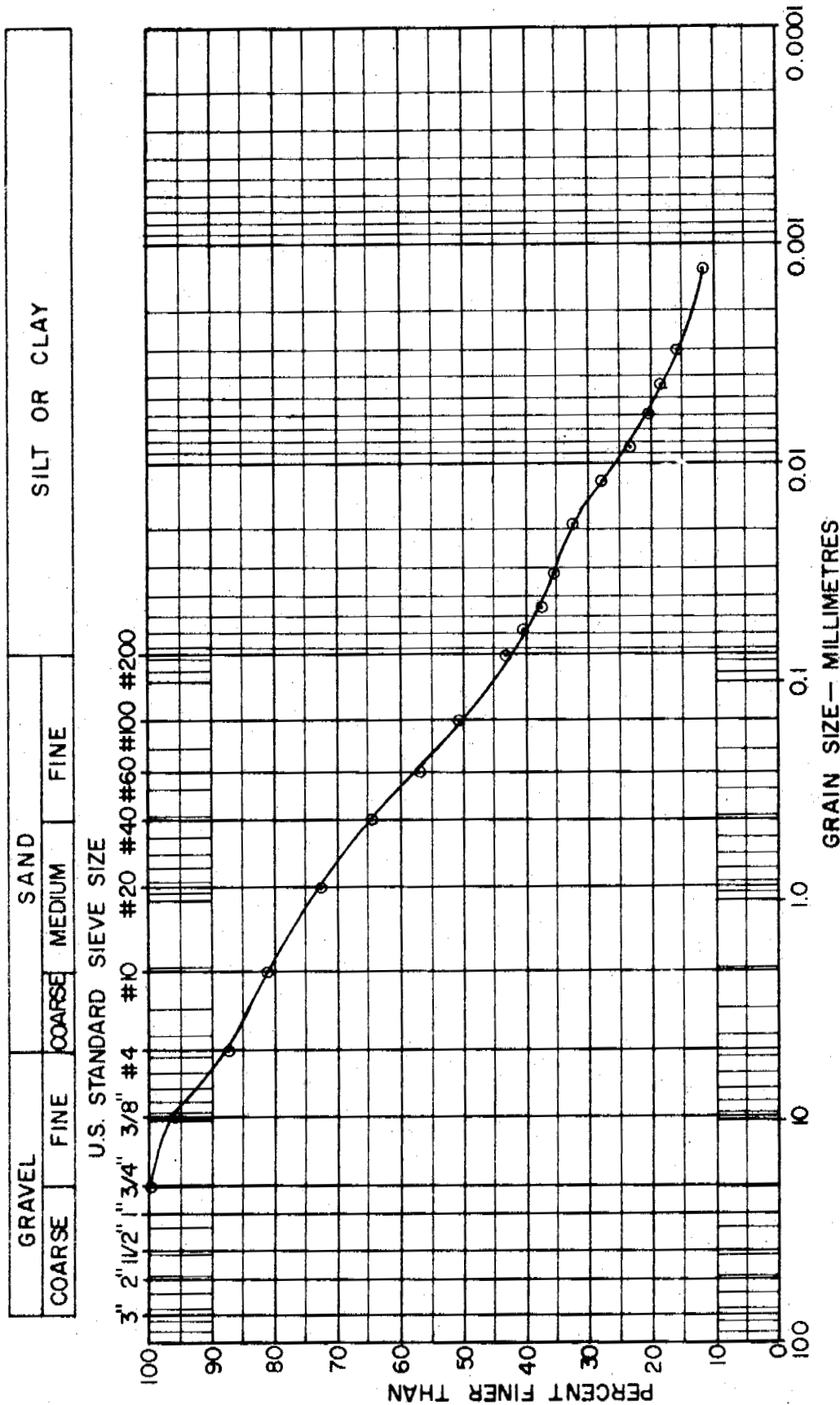
HOLE No. DEPTH

DATE

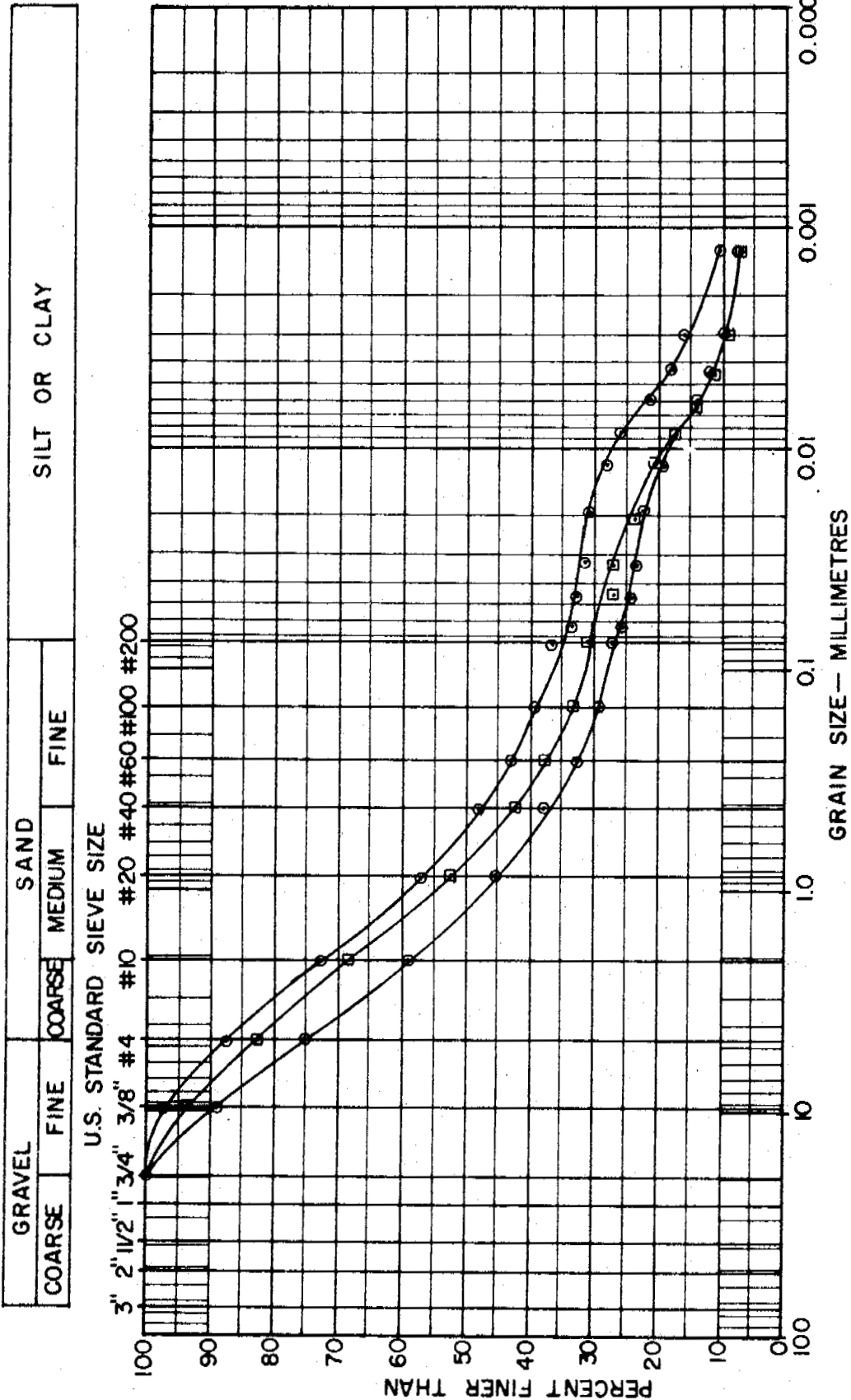
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft. - 6 ft. 6 inch.
 □ Sample No. 2 - 10 ft. - 11 ft. 6 inch.
 ◇ Sample No. 3 - 15 ft. - 16 1/2 ft.



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JOB No. AL0307

PROJECT

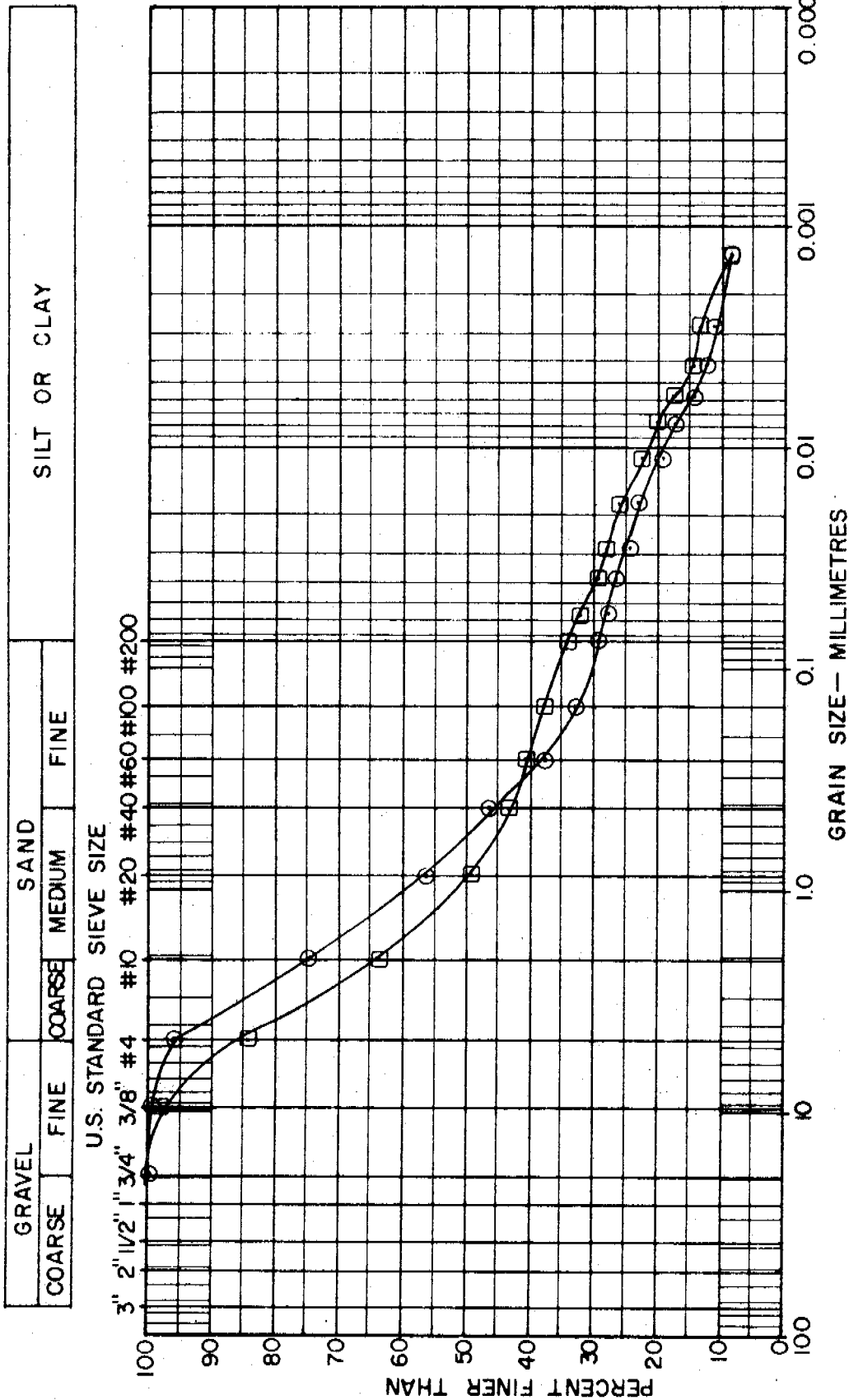
LOCATION 397-C-F

HOLE No.

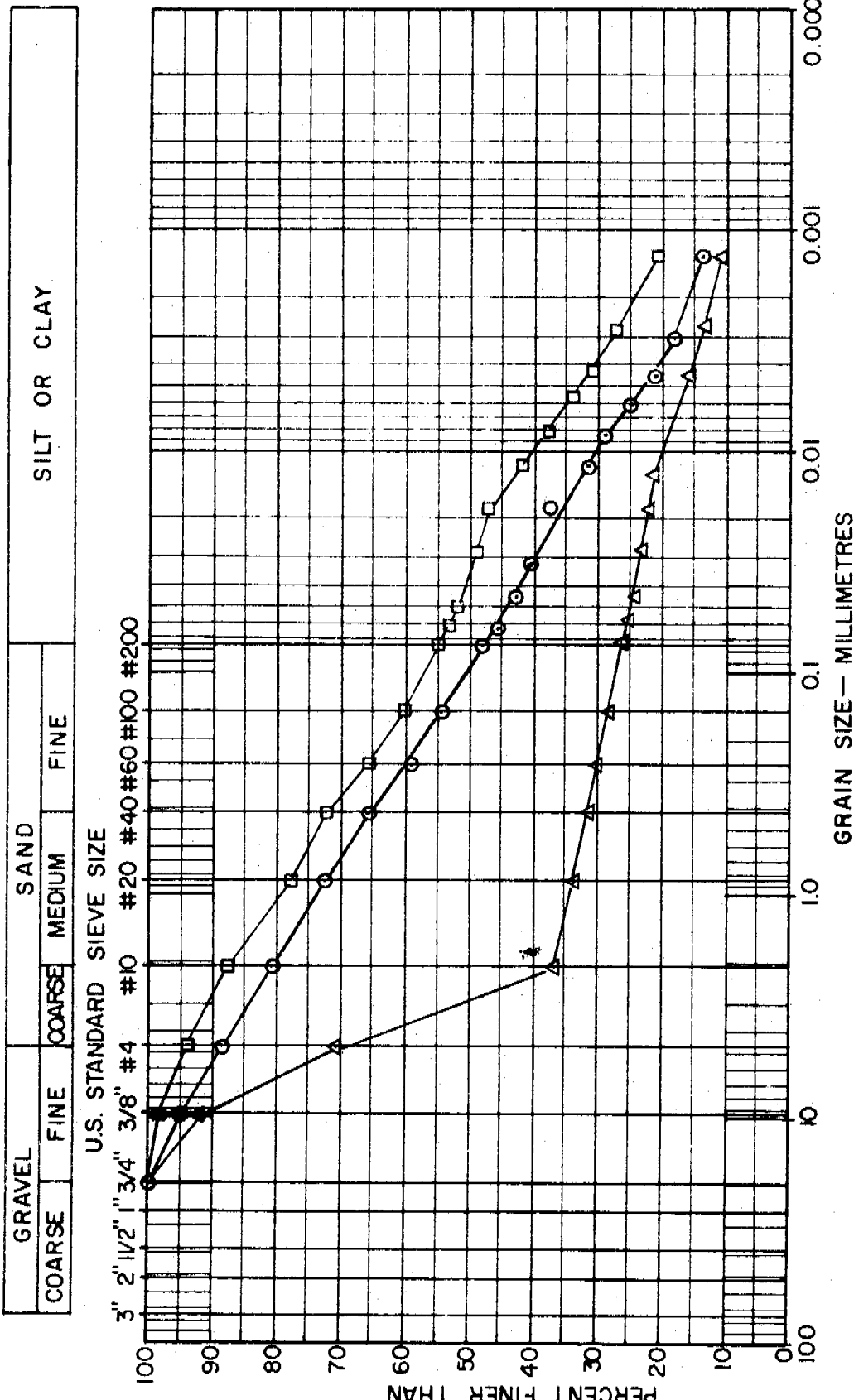
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: 0'-5'

□ 10'

Δ 10'-15'



JOB No. AL0307

PROJECT

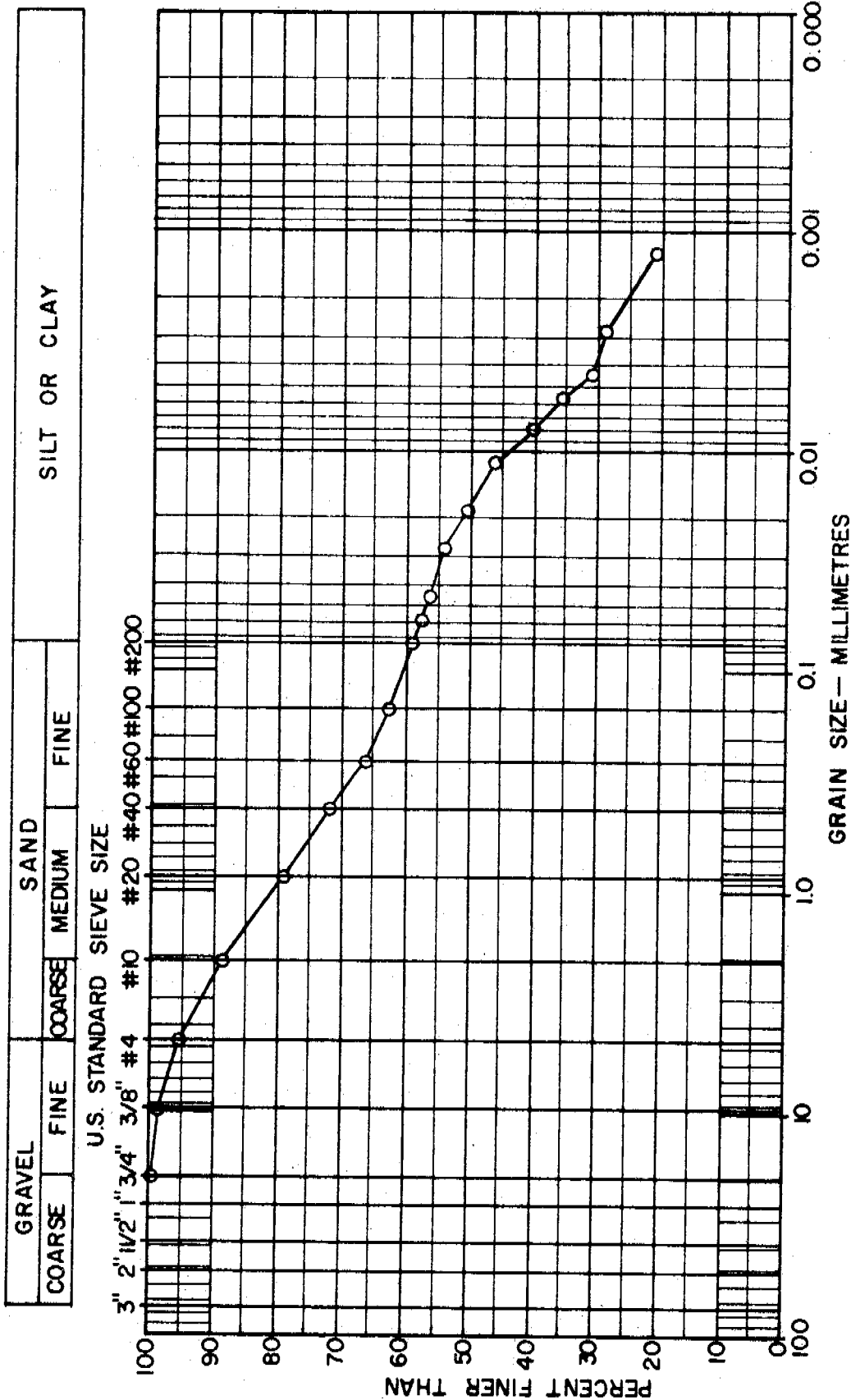
LOCATION 399-C-F

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: @ 5'-15'



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

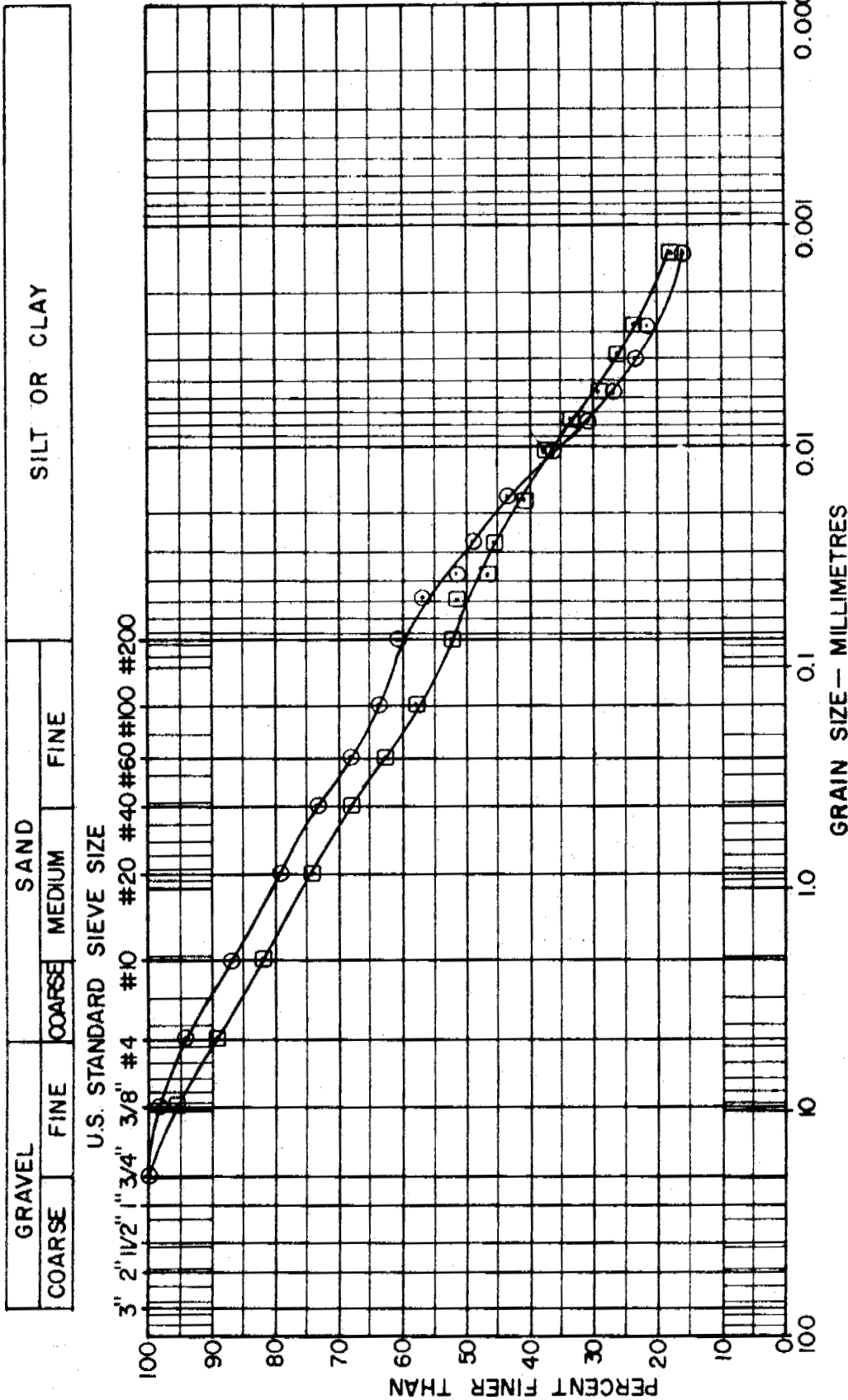
LOCATION 399-S-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5'

□ Sample #2 10'



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JOB No. AL 0335

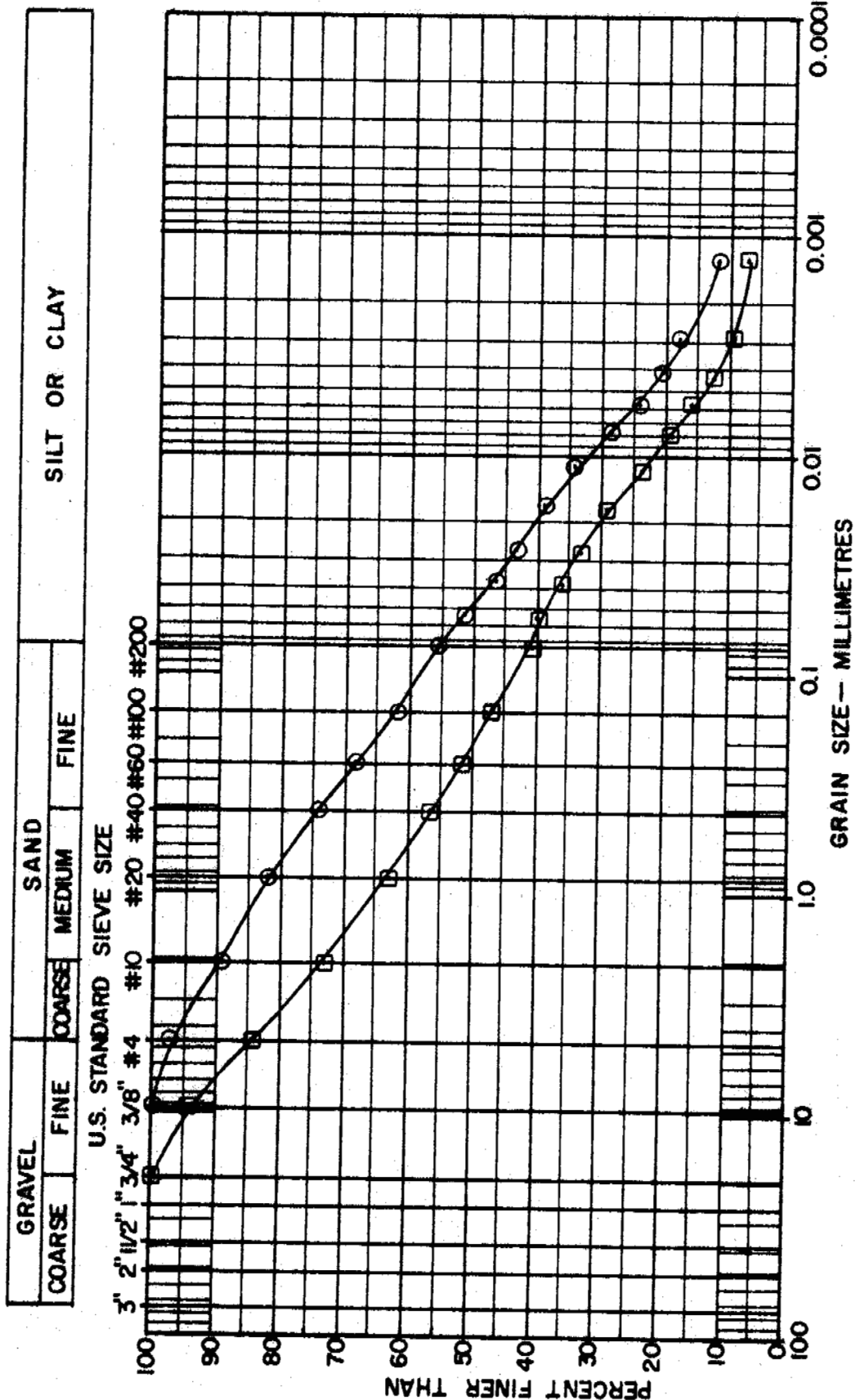
PROJECT

LOCATION

HOLE No. 400-C-B DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5 to 10 Ft.

□ Sample #2 10 to 15 Ft.



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JOB No. AL 0335

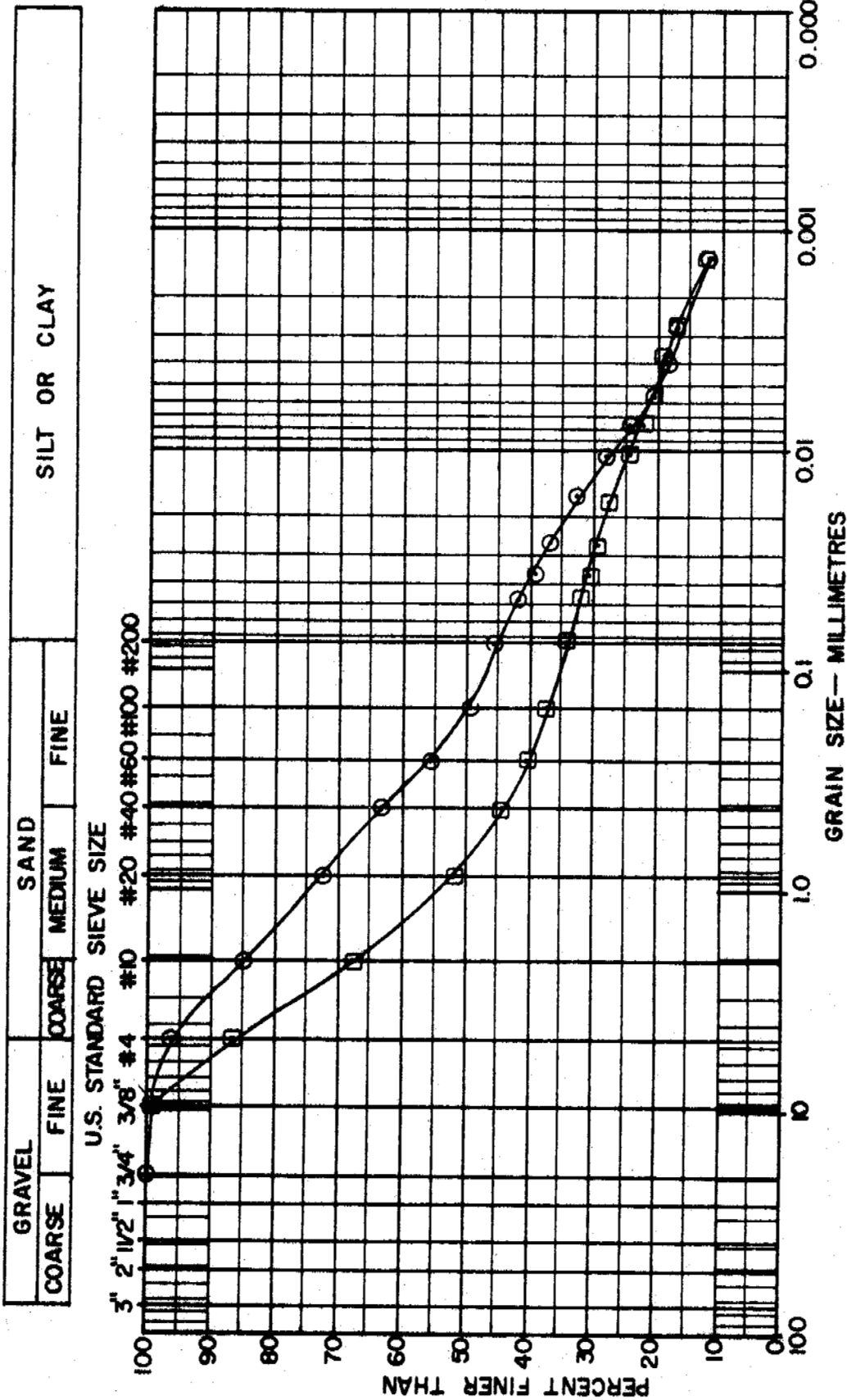
PROJECT

LOCATION

HOLE No. 402-C-D DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5 to 10 Ft.

□ Sample #2 10 to 15 Ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

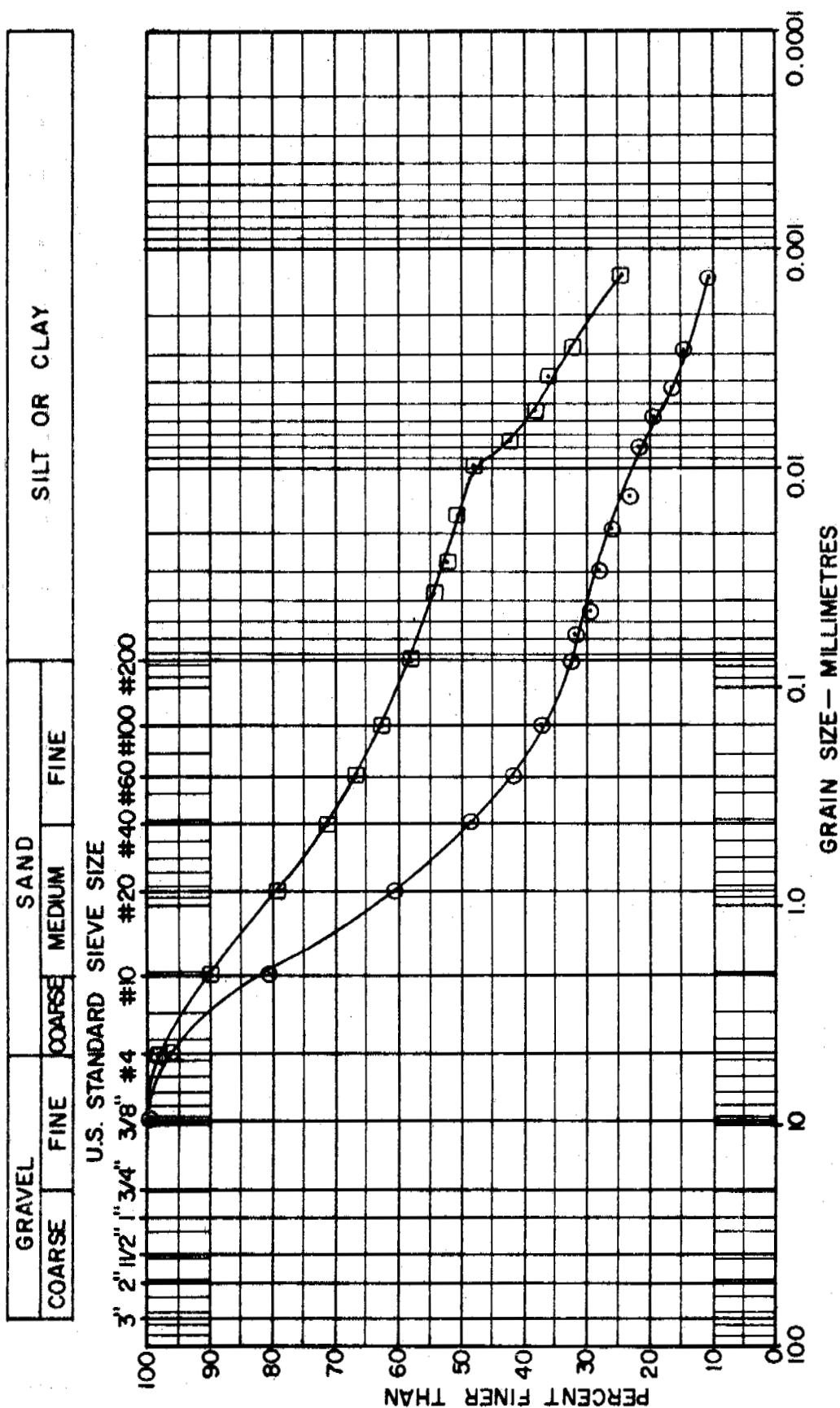
PROJECT

LOCATION

HOLE No. 403-C-B DEPTH

DATE May 25, 1973

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5 to 10 Ft.

□ Sample #2 10 to 15 Ft.

JOB No. AL 0335

PROJECT

LOCATION

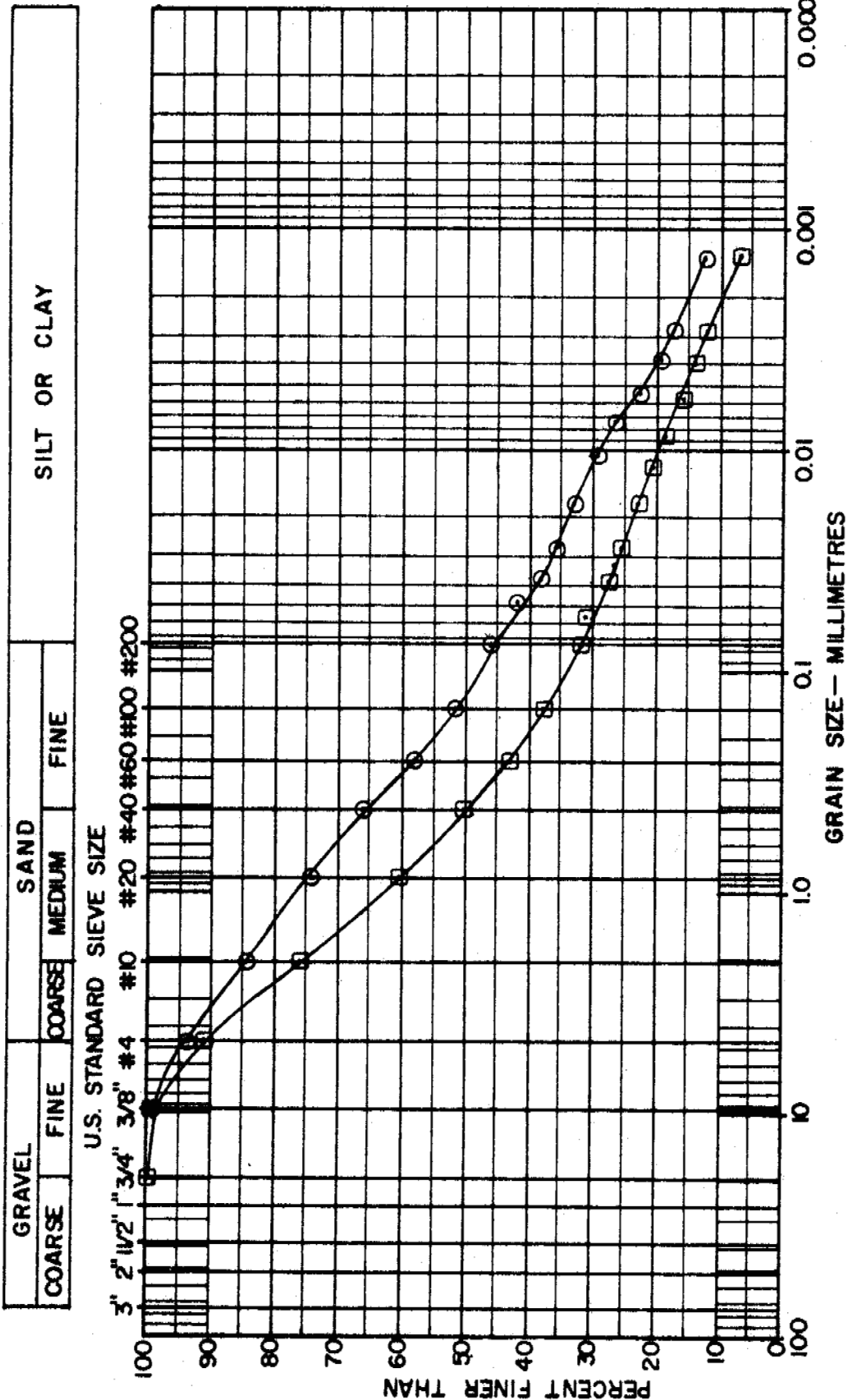
HOLE No. 404-C-B DEPTH

DATE May 24, 1973



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GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL 0335

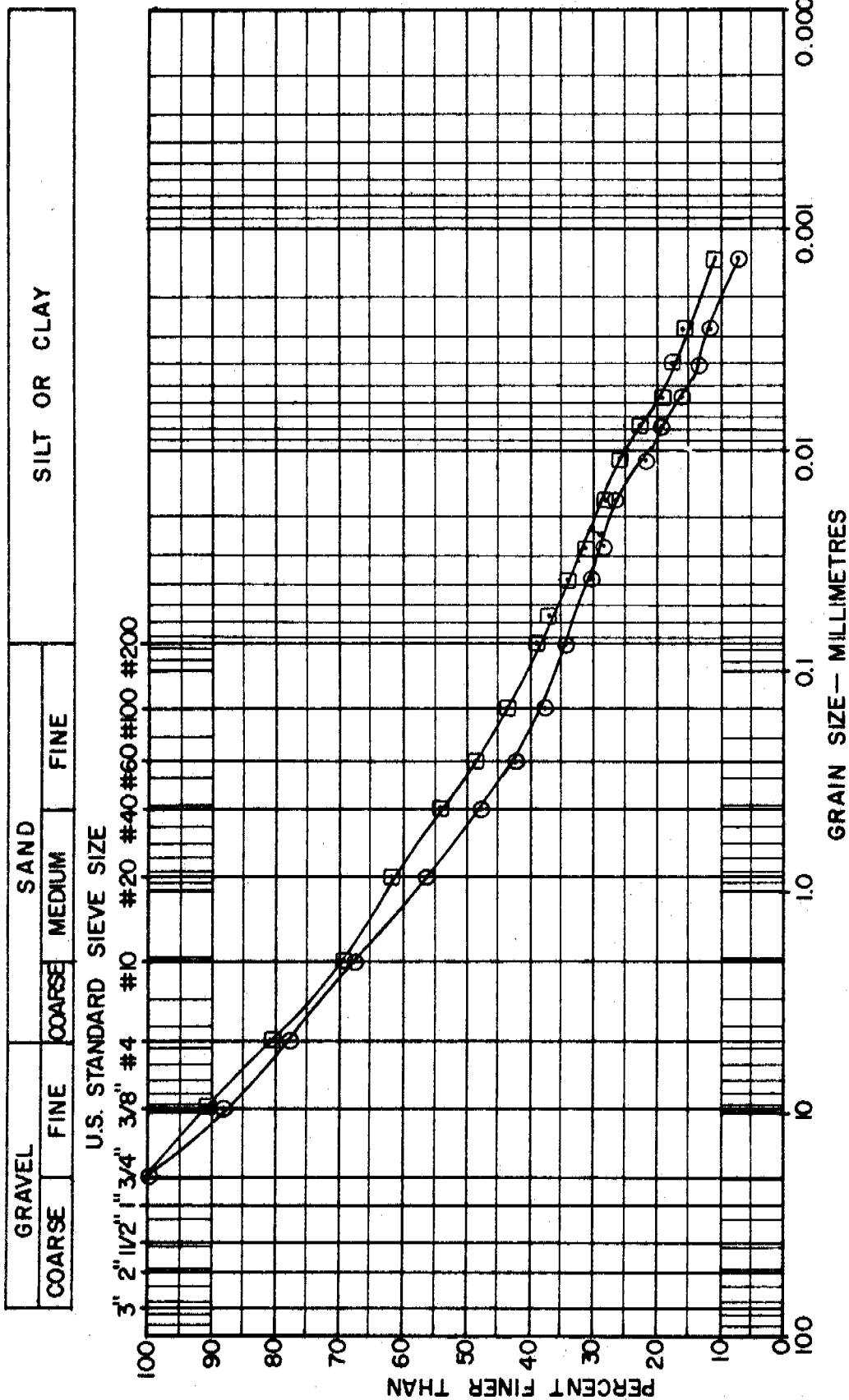
PROJECT

LOCATION

HOLE No. 405-C-B DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5'
 □ Sample #2 10'



Ripley, Klohn & Leonoff International Ltd.
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JOB No. AL 0335

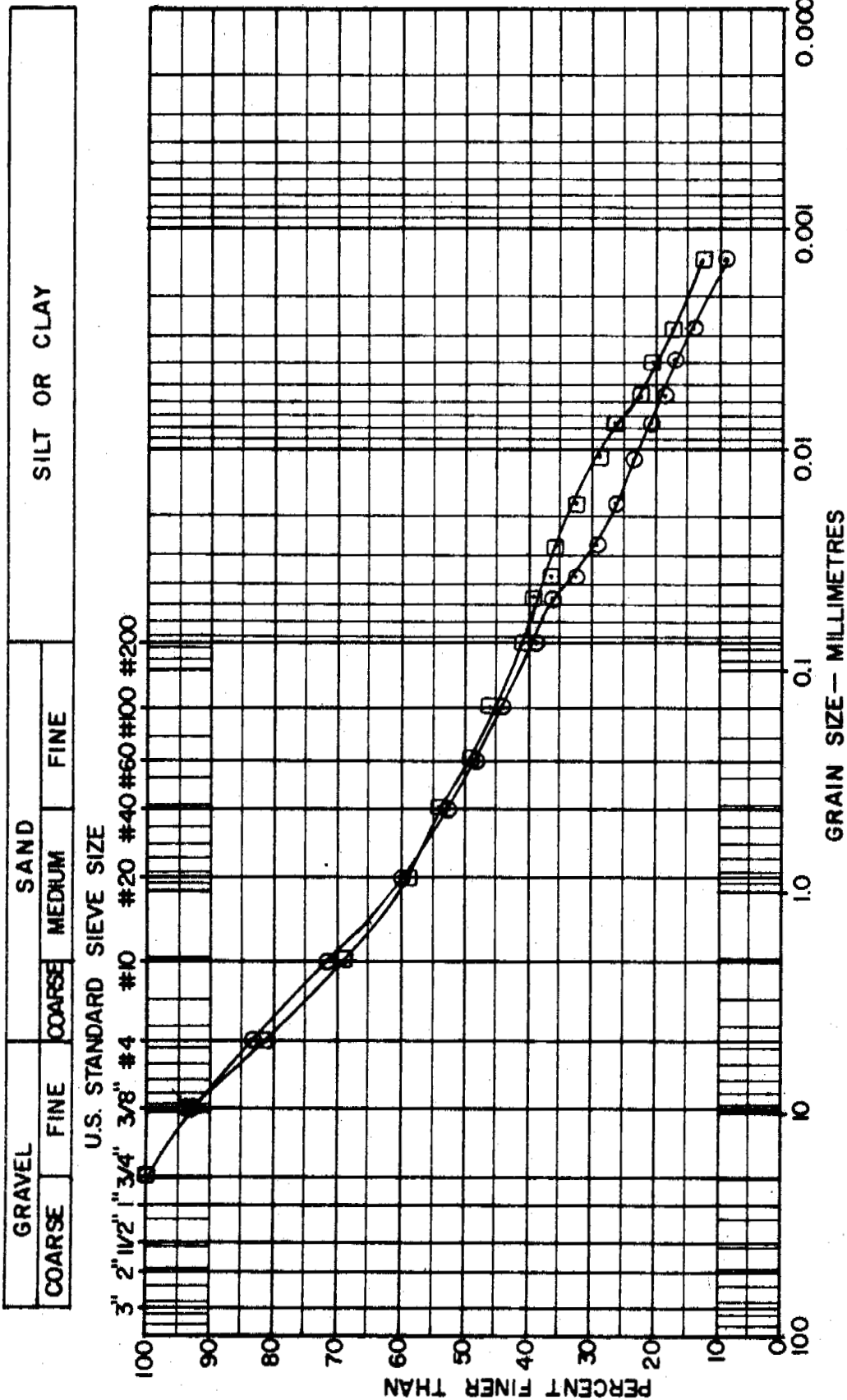
PROJECT

LOCATION

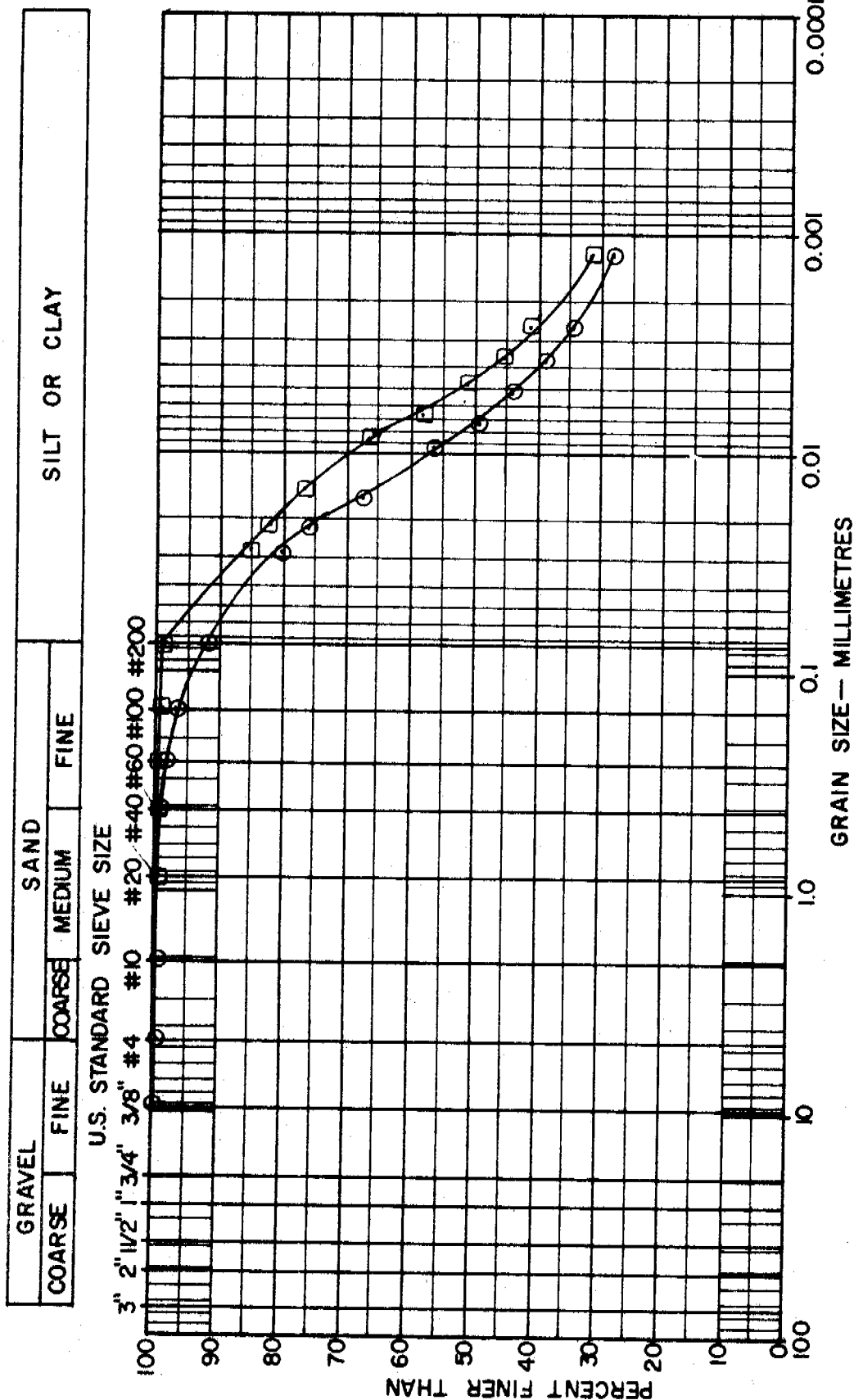
HOLE No. 406-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample #1 5 to 10 Ft.

□ Sample #2 10 to 15 Ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

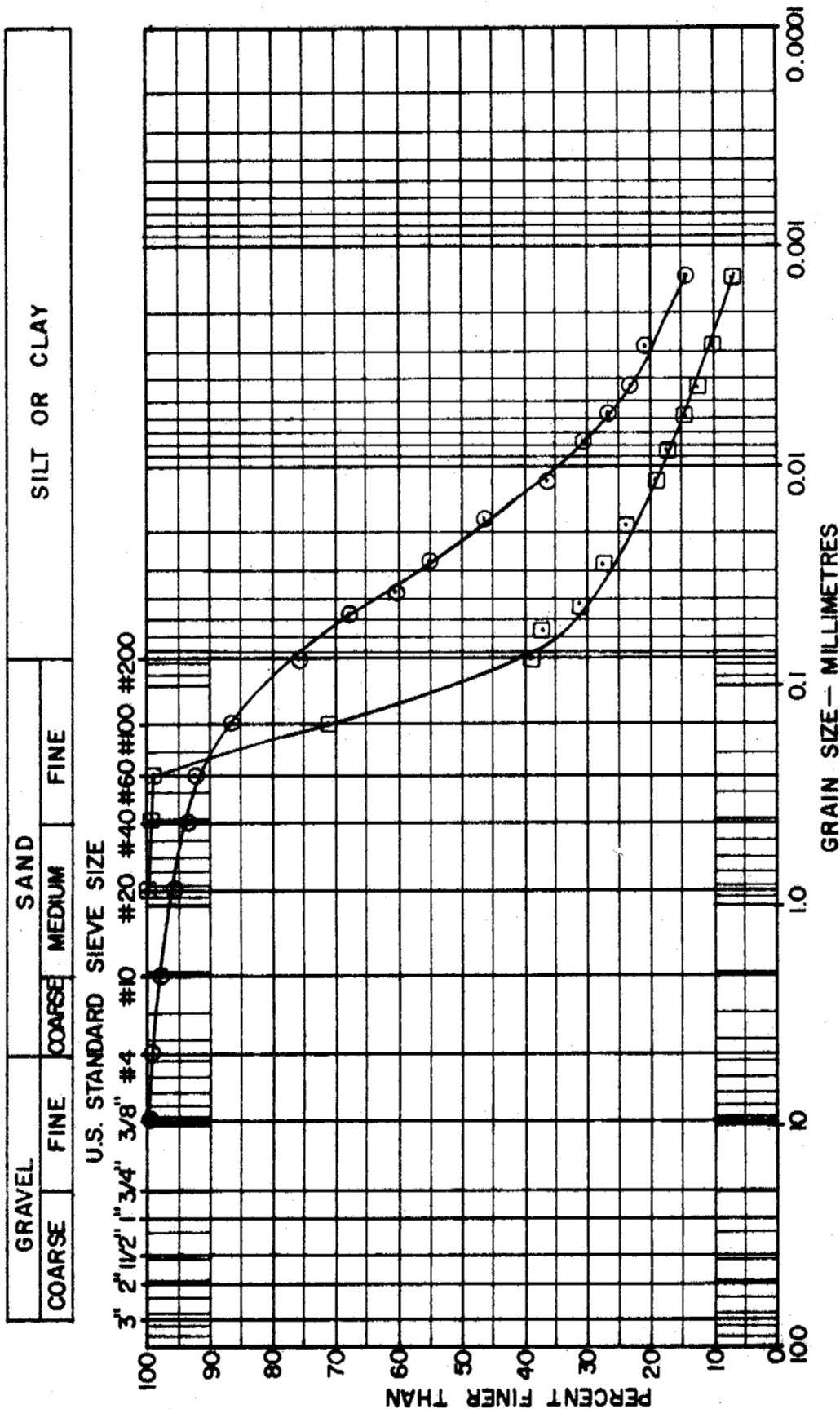
PROJECT

LOCATION

HOLE No. 408-C-C DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



Ripley, Kiohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

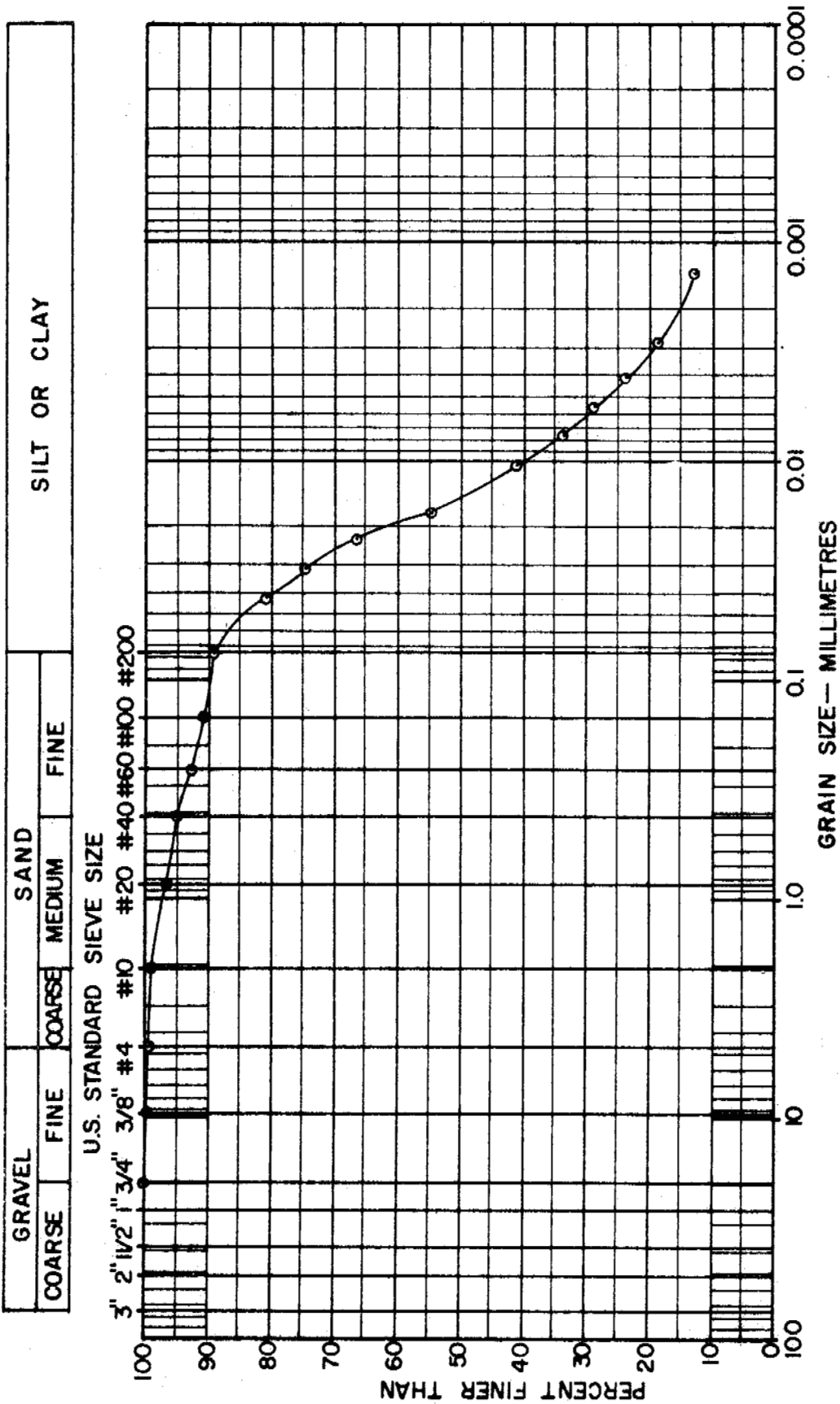
PROJECT

LOCATION

HOLE No. 409-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



REMARKS: 0 Sample No. 2 - 10'



JOB No. AL0307

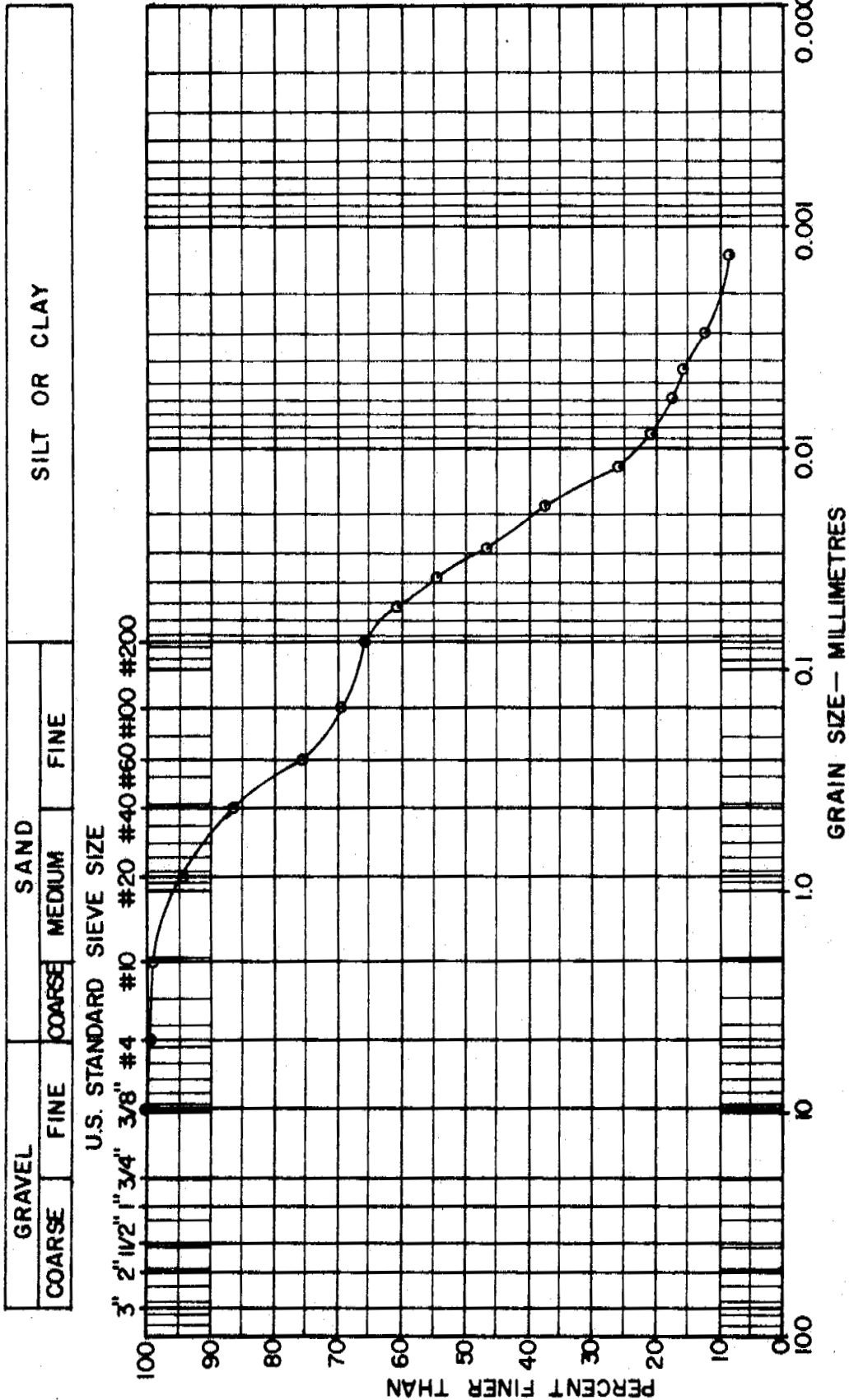
PROJECT

LOCATION 410-C-D

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: 0 Sample No. 2 - 10'



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

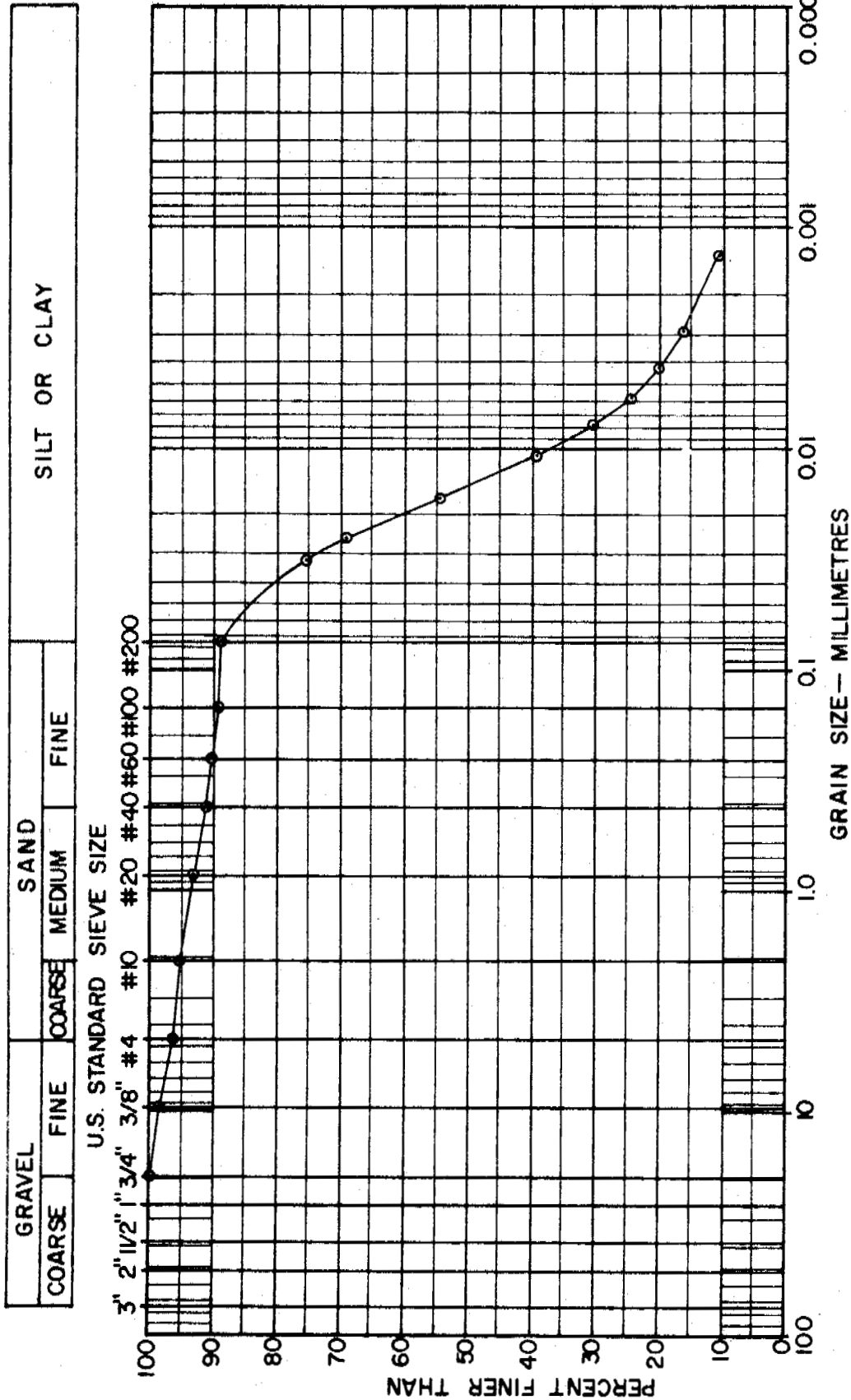
PROJECT

LOCATION 410-C-E

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: 0 Sample No. 3 - 15'



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

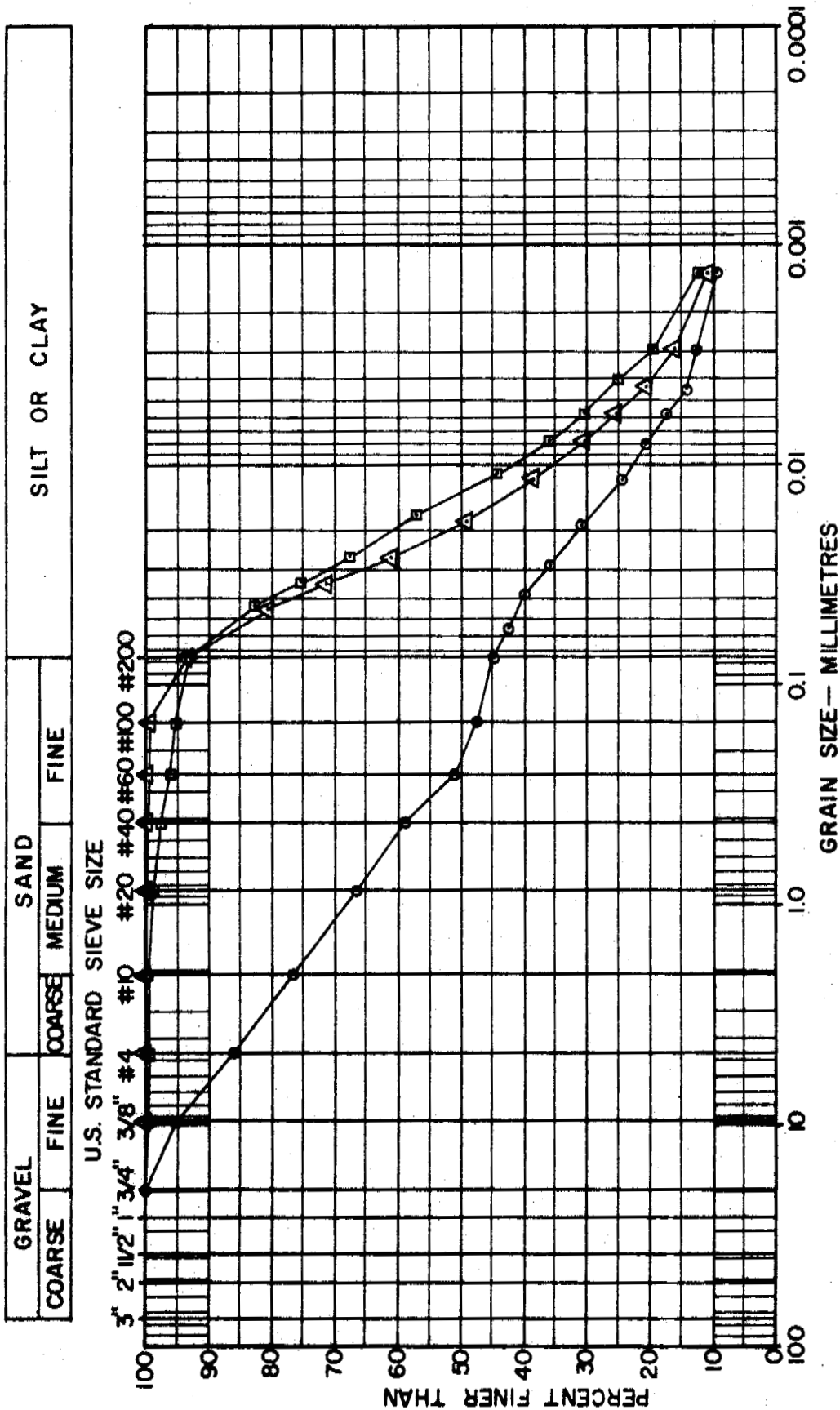
LOCATION 410-C-F

HOLE No.

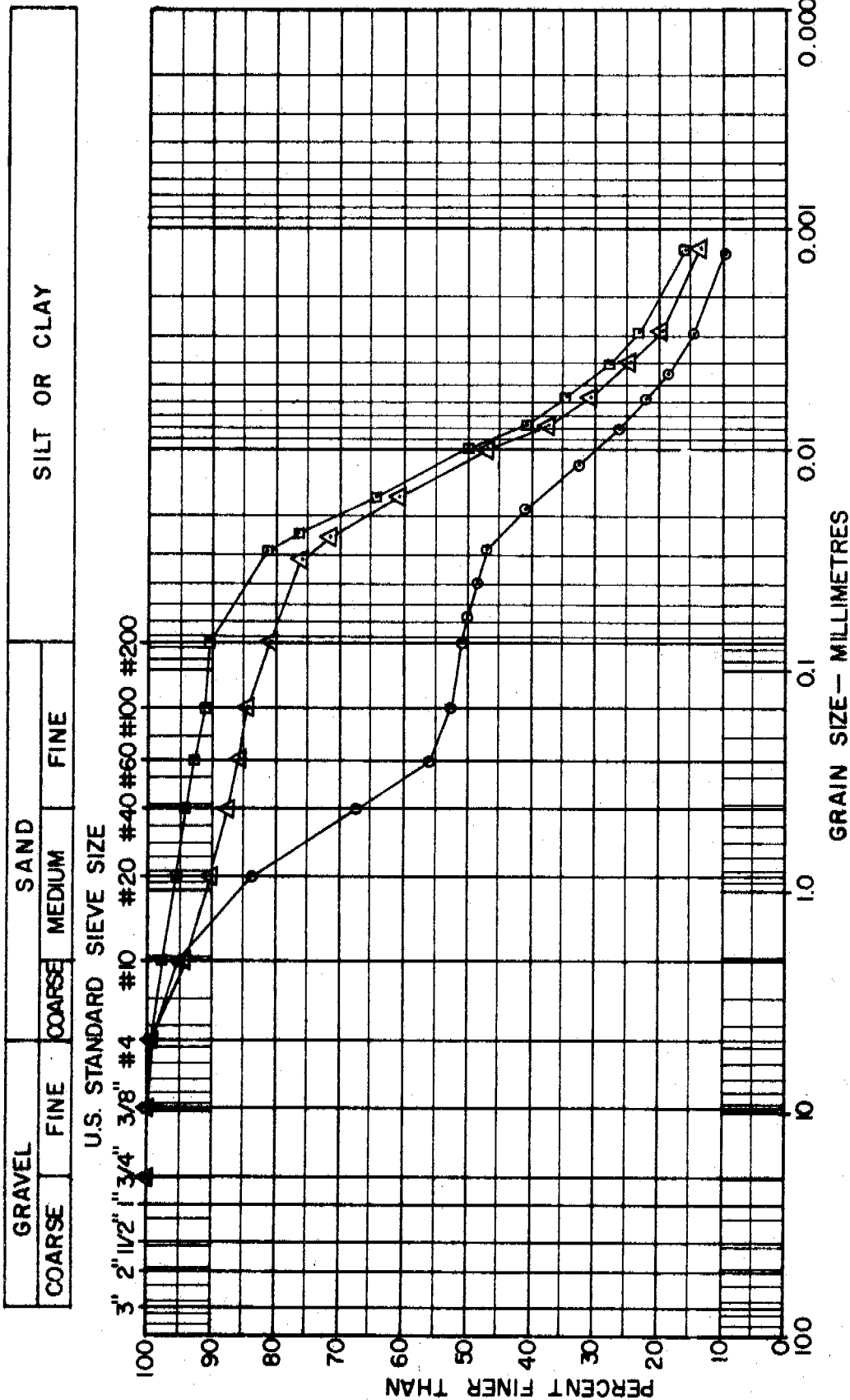
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5'

□ Sample No. 2 - 10'

△ Sample No. 3 - 15'



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

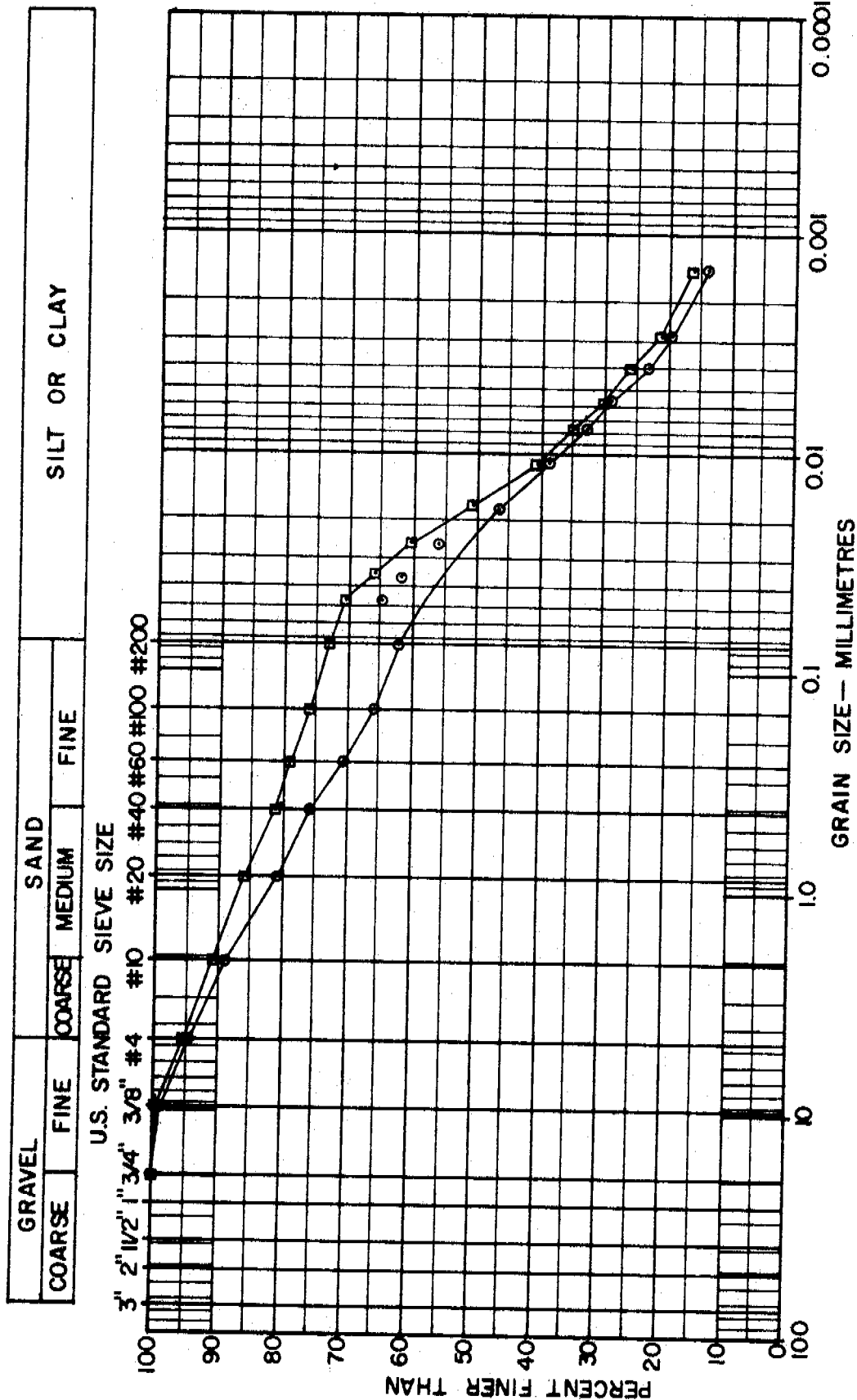
LOCATION 410 - C - H

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5'

□ Sample No. 2 - 10'



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

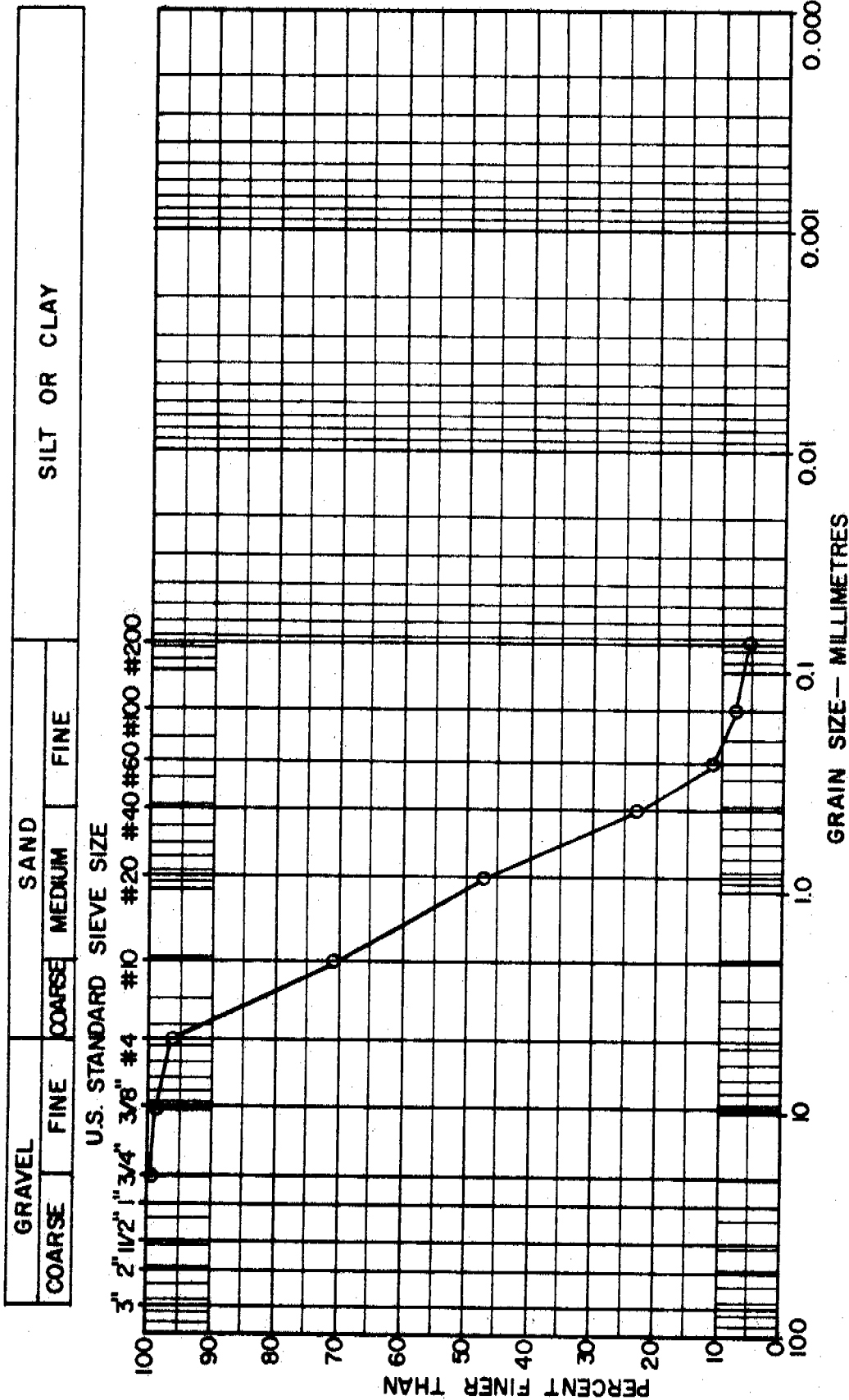
LOCATION 410-C-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 10'



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

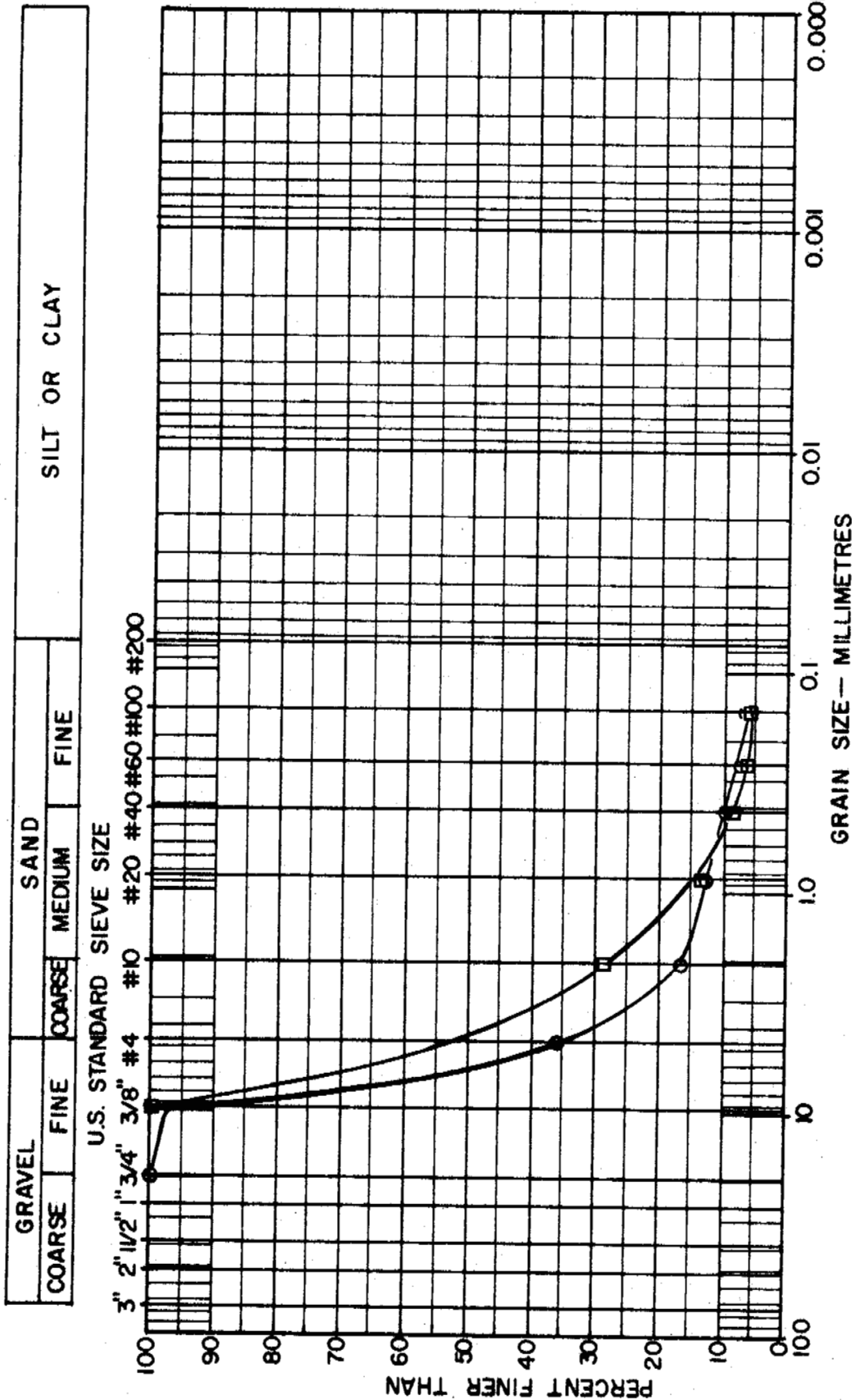
PROJECT

LOCATION 411-S-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 47'

 □ 53'



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

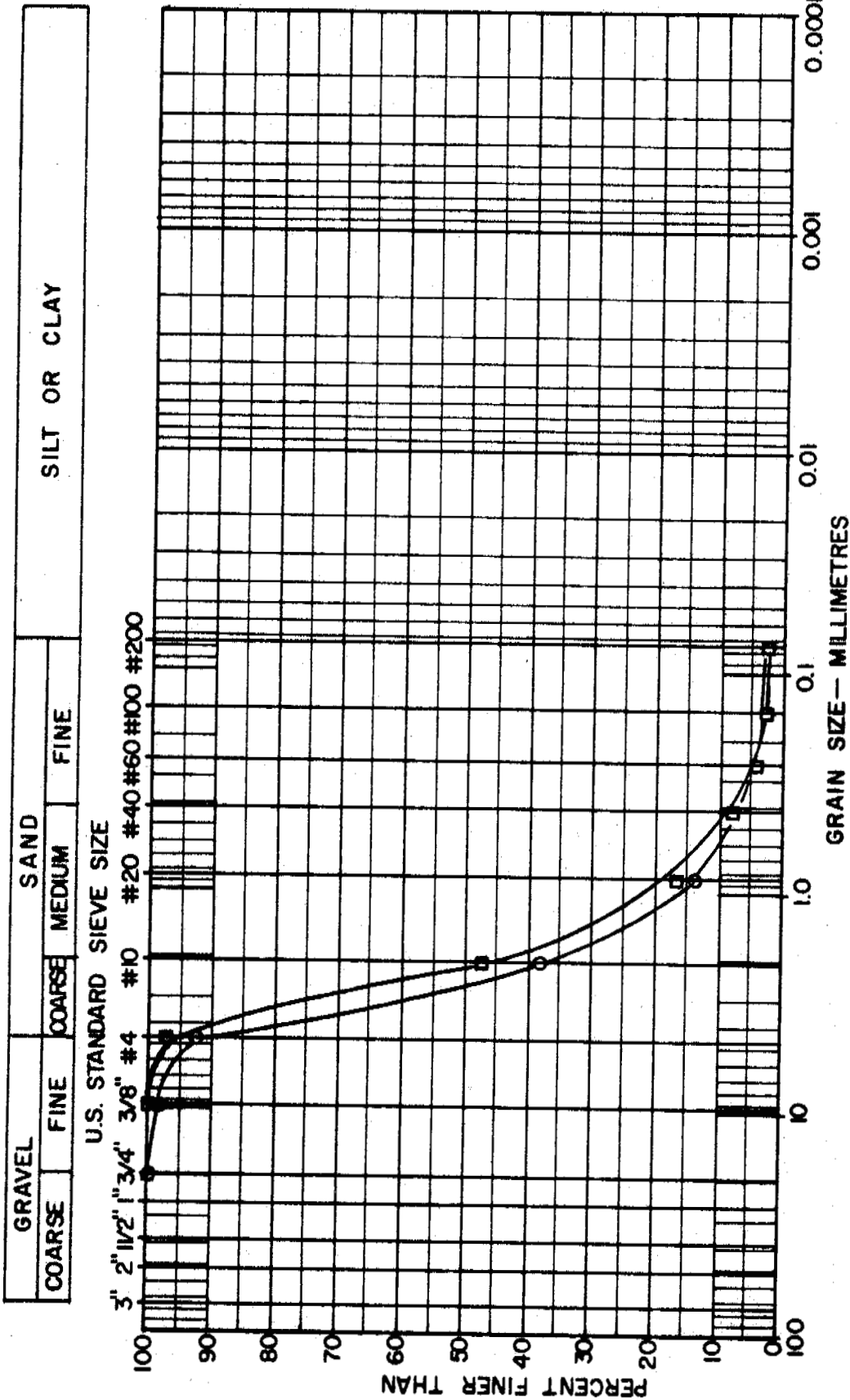
LOCATION 411-S-J

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 45'

 @ 55'



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

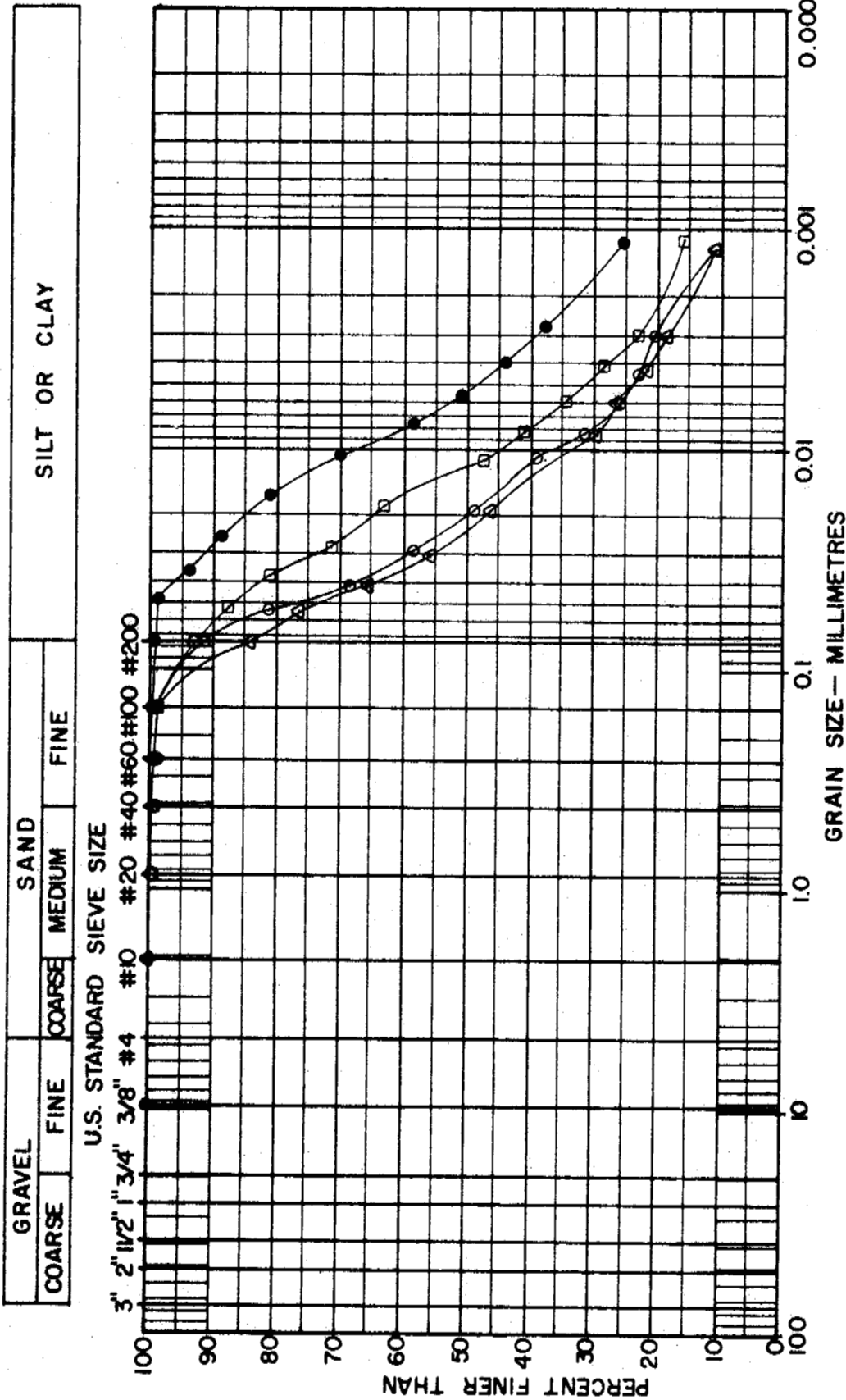
LOCATION 411-S-K

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS:

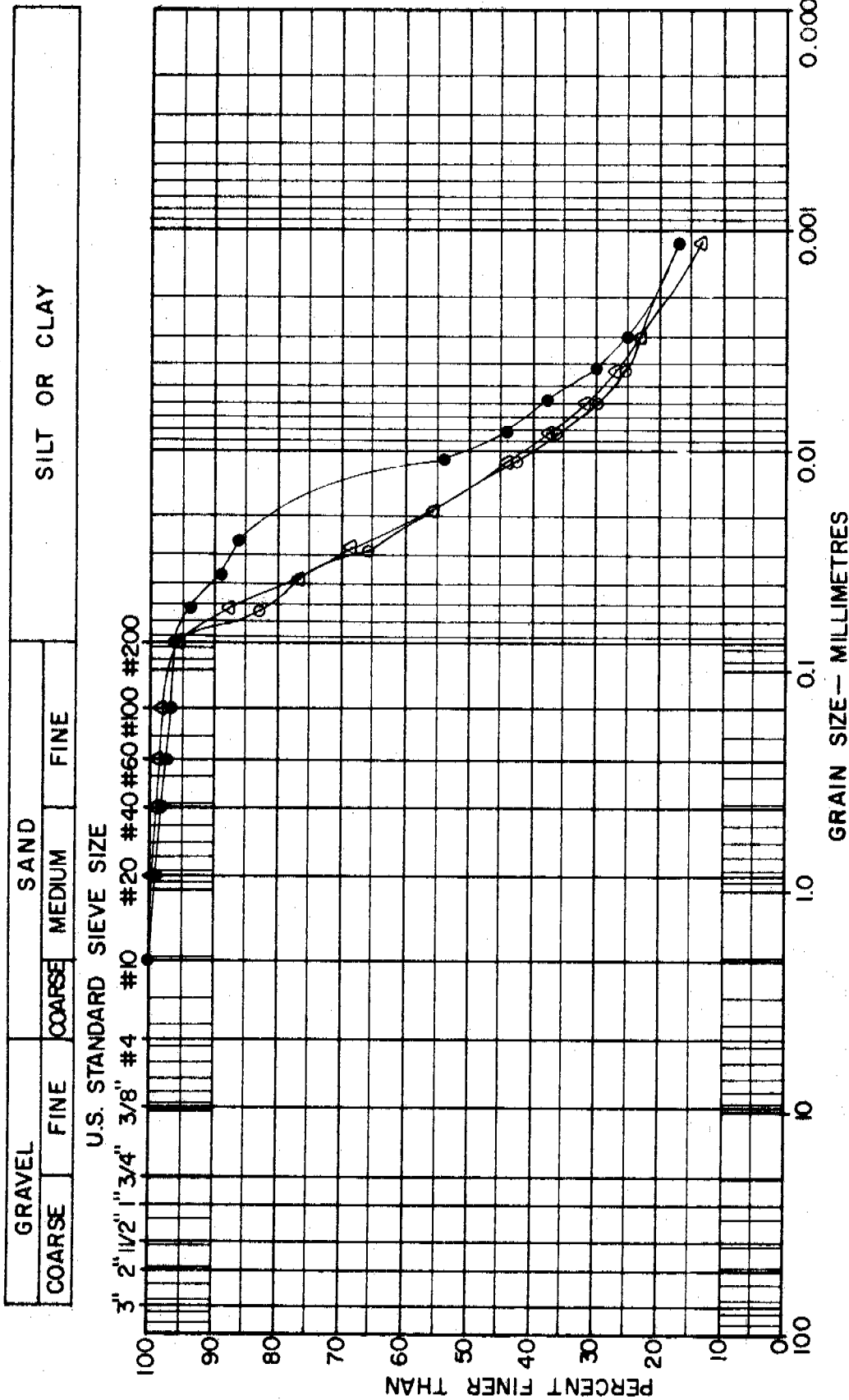
- Sample No. 1 - 5 ft.
- Sample No. 2 - 15 ft.
- △ Sample No. 3 - 25 ft.
- Sample No. 4 - 30 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307	
PROJECT	
LOCATION 412-S-E	
HOLE No.	DEPTH
DATE	

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

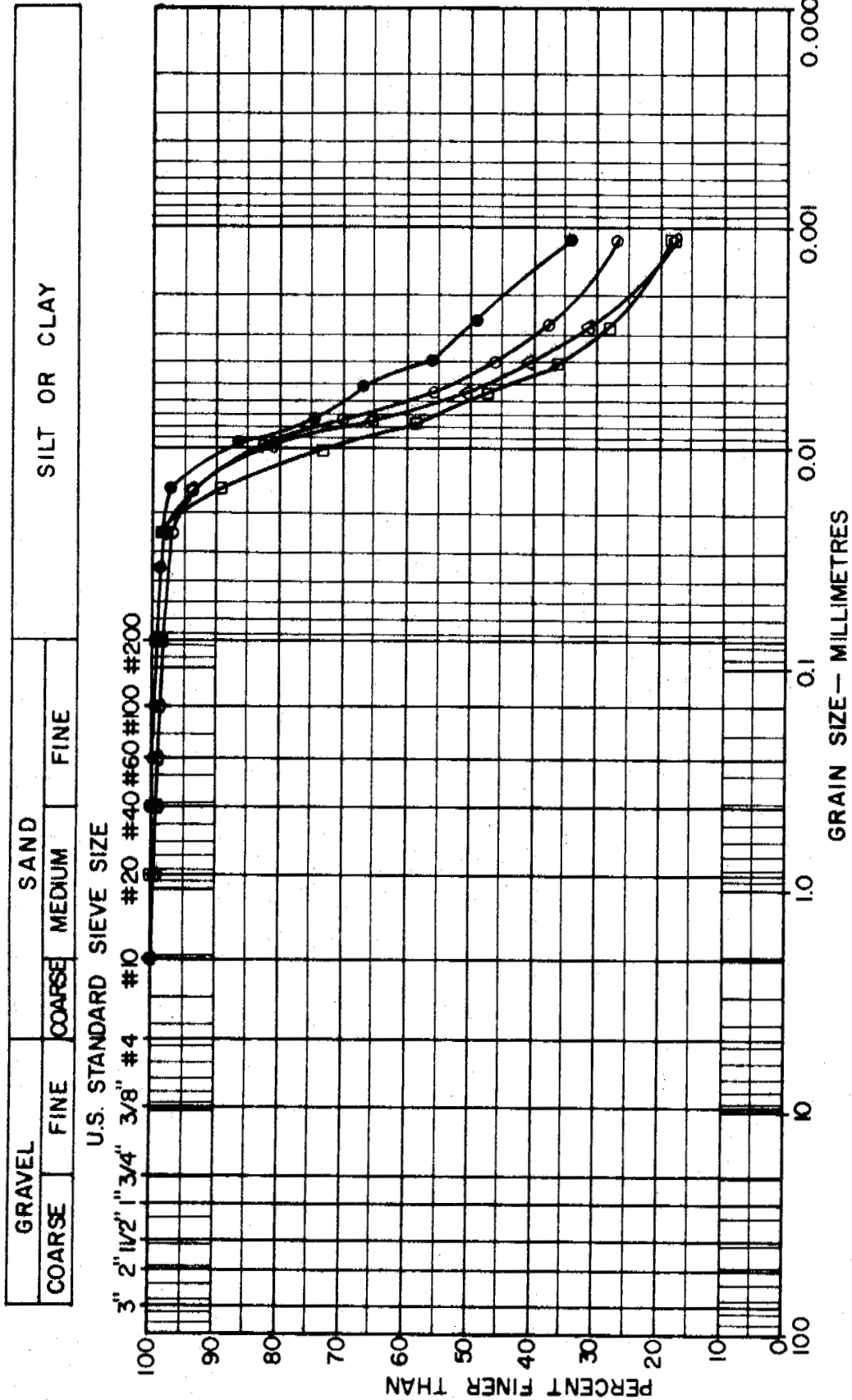
LOCATION 412-C-1

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

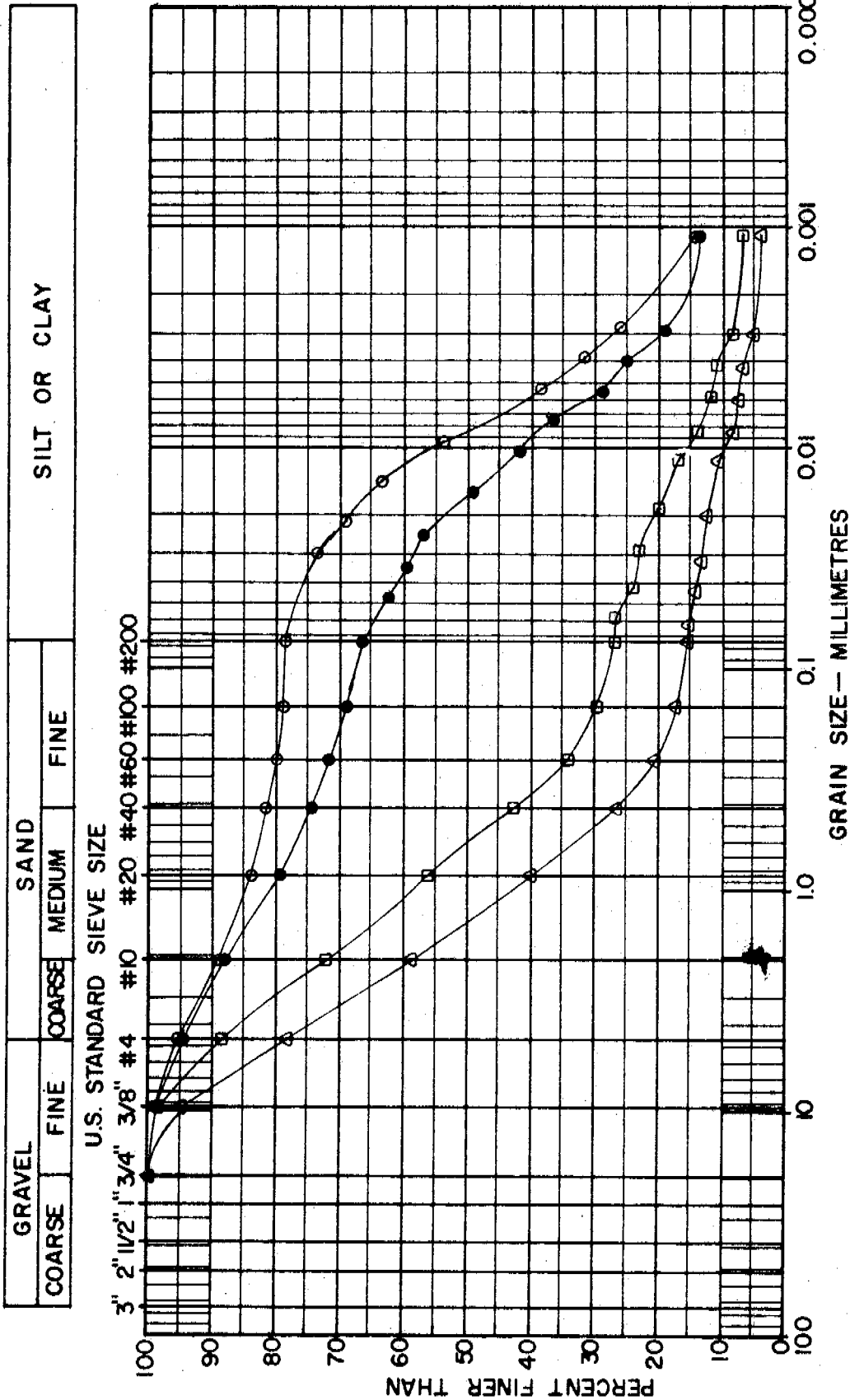
PROJECT

LOCATION 412-S-J

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS:

- Sample No. 1 - 4 1/2 ft.
- Sample No. 2 - 9 1/2 ft.
- △ Sample No. 3 - 15 ft.
- Sample No. 4 - 20 ft.



Ripley, Kiohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

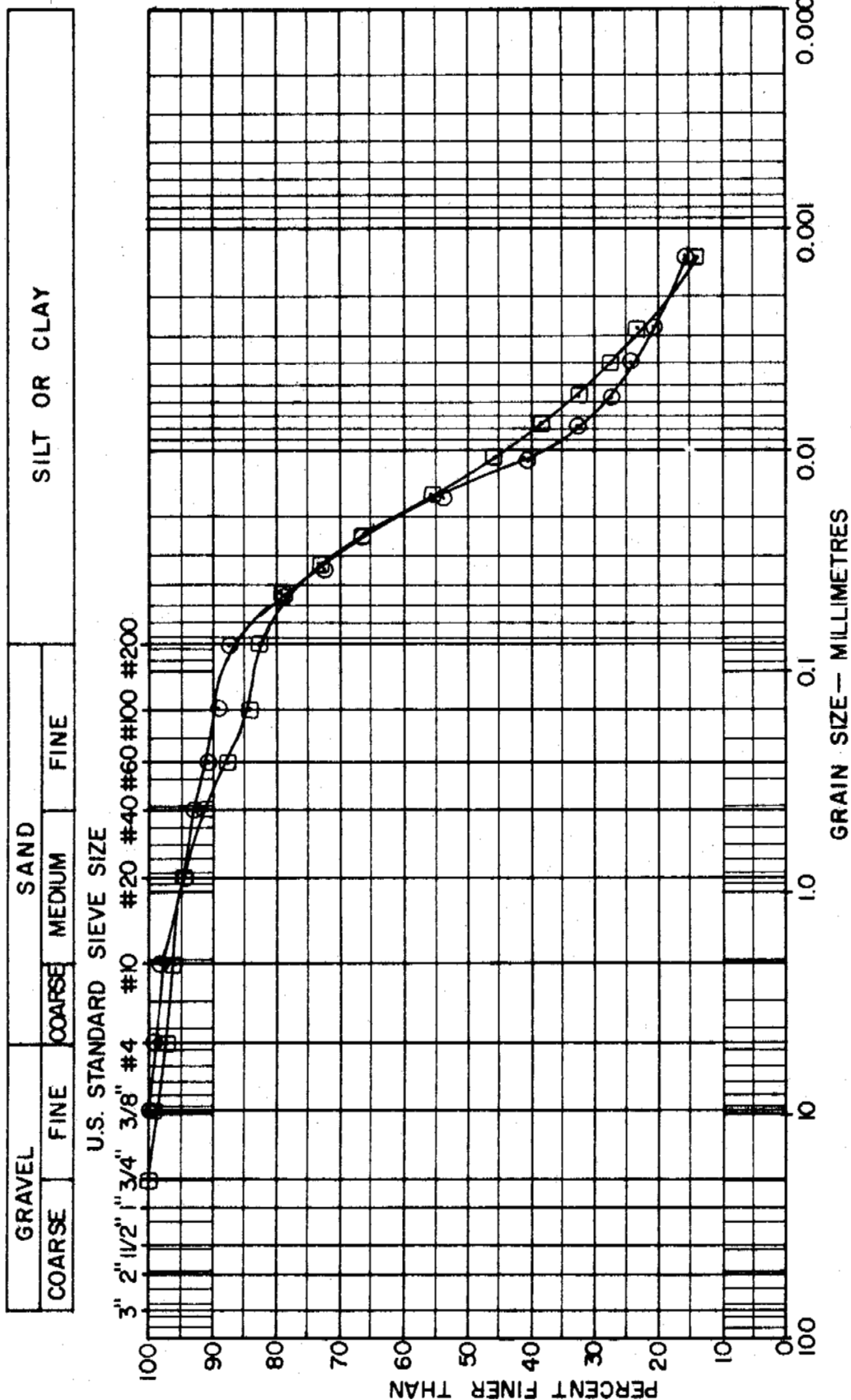
LOCATION 413-S-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

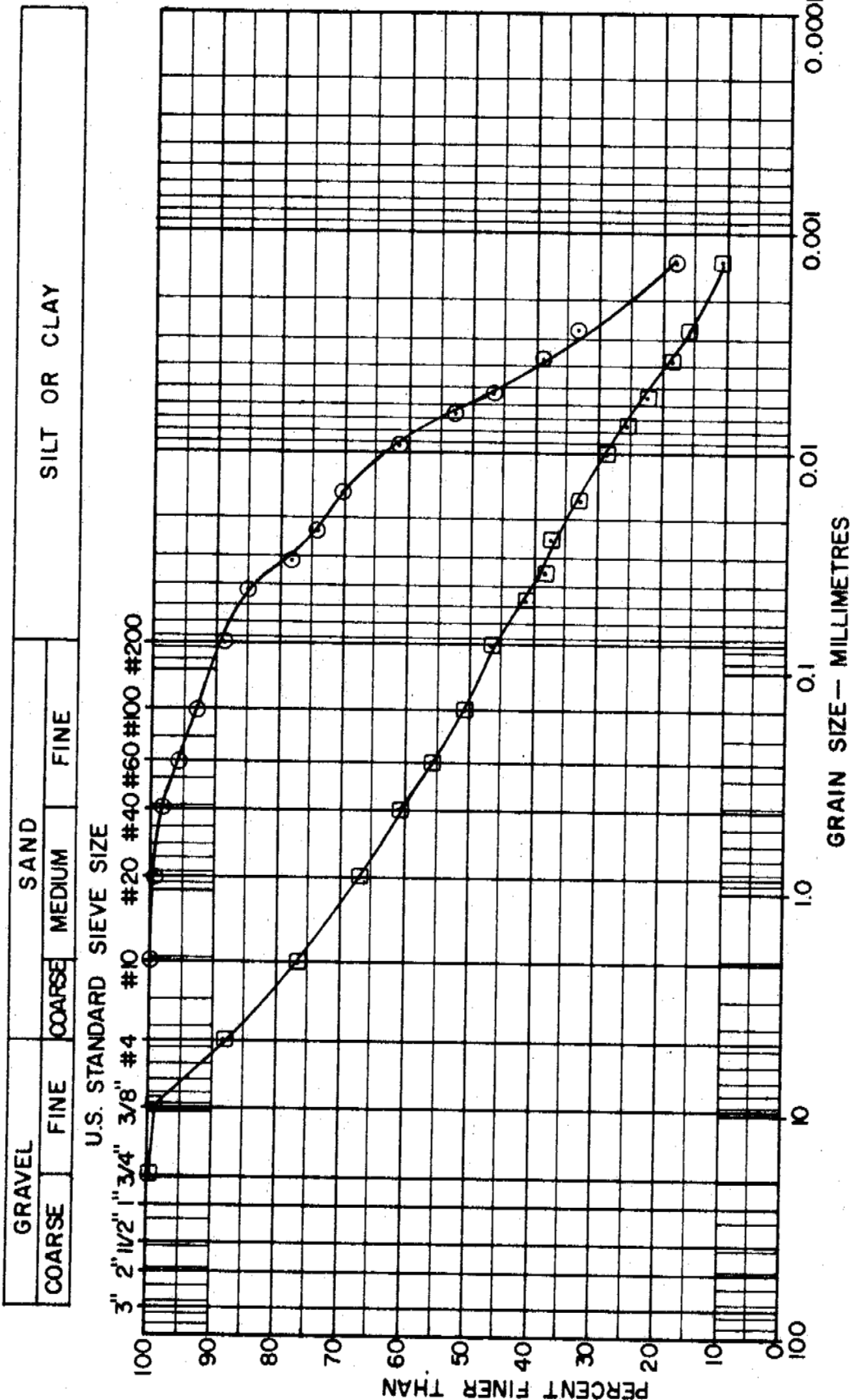
PROJECT

LOCATION

HOLE No. 414-C-A DEPTH

DATE May 24, 1973

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

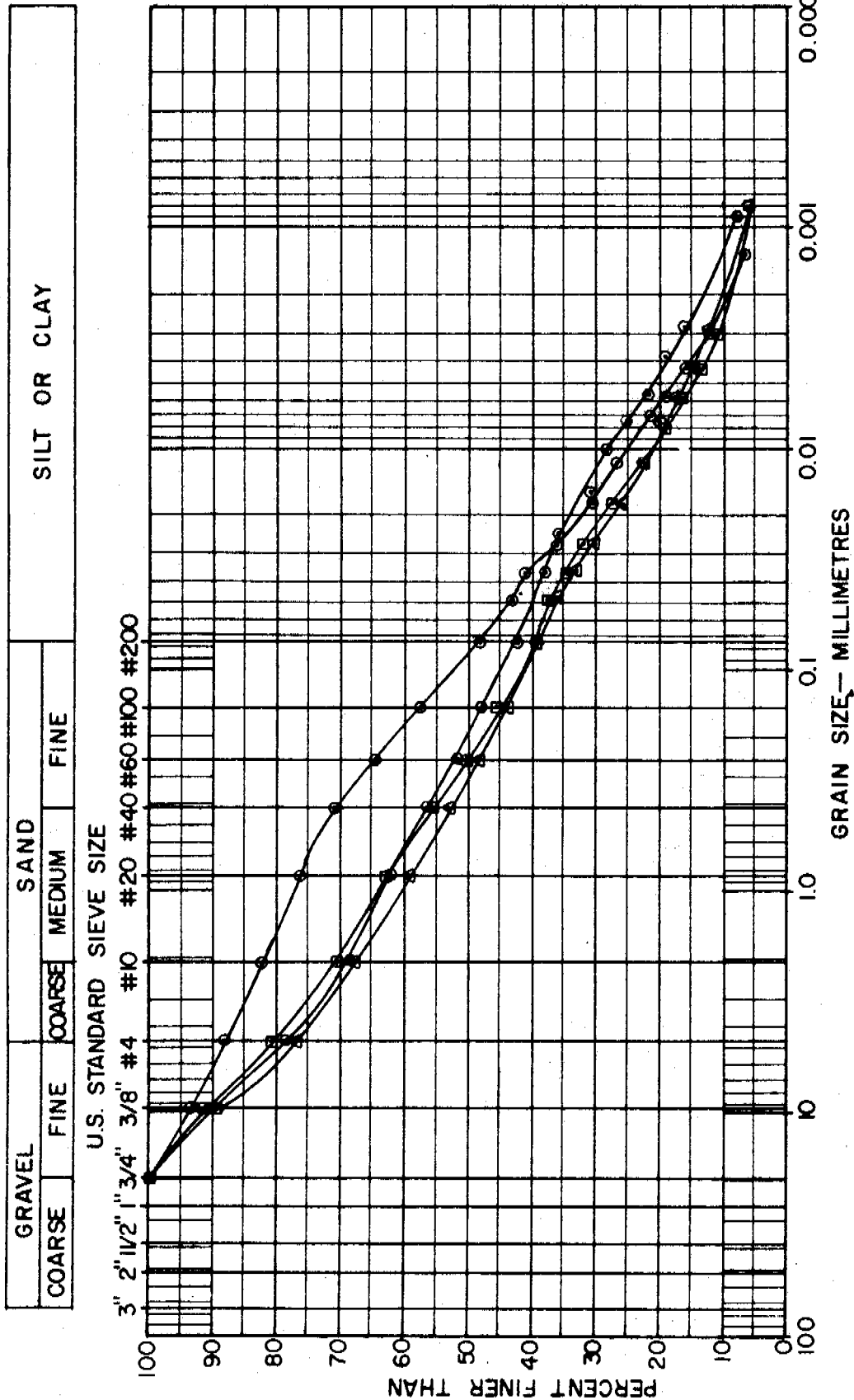
PROJECT

LOCATION

HOLE No. 415-C-A DEPTH

DATE May 25, 1973

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 10 ft.

△ 15 ft.

◇ 20 ft.



Ripley, Kohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

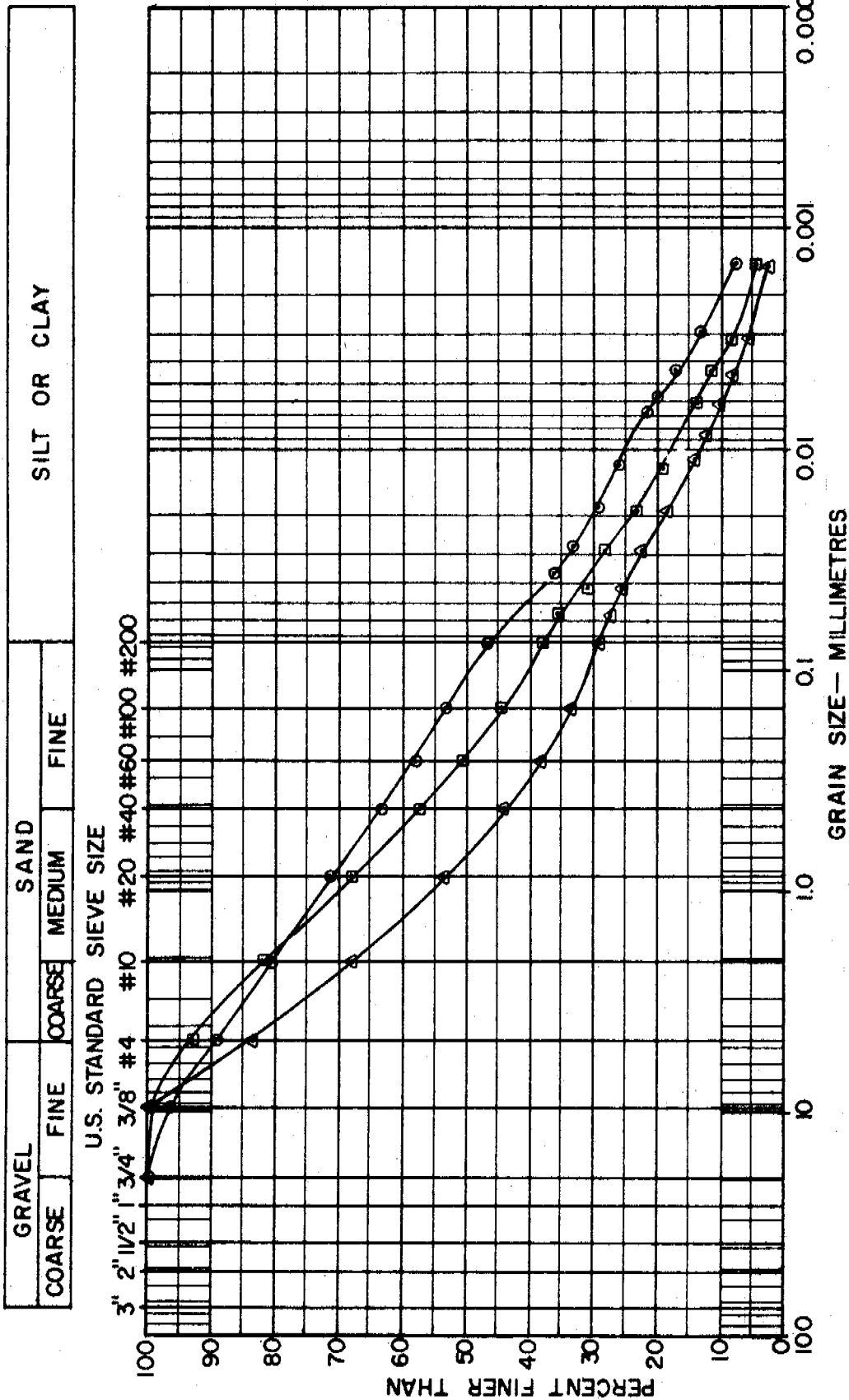
LOCATION 416-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 10 ft.

△ 15 ft.



Ripley, Kiohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

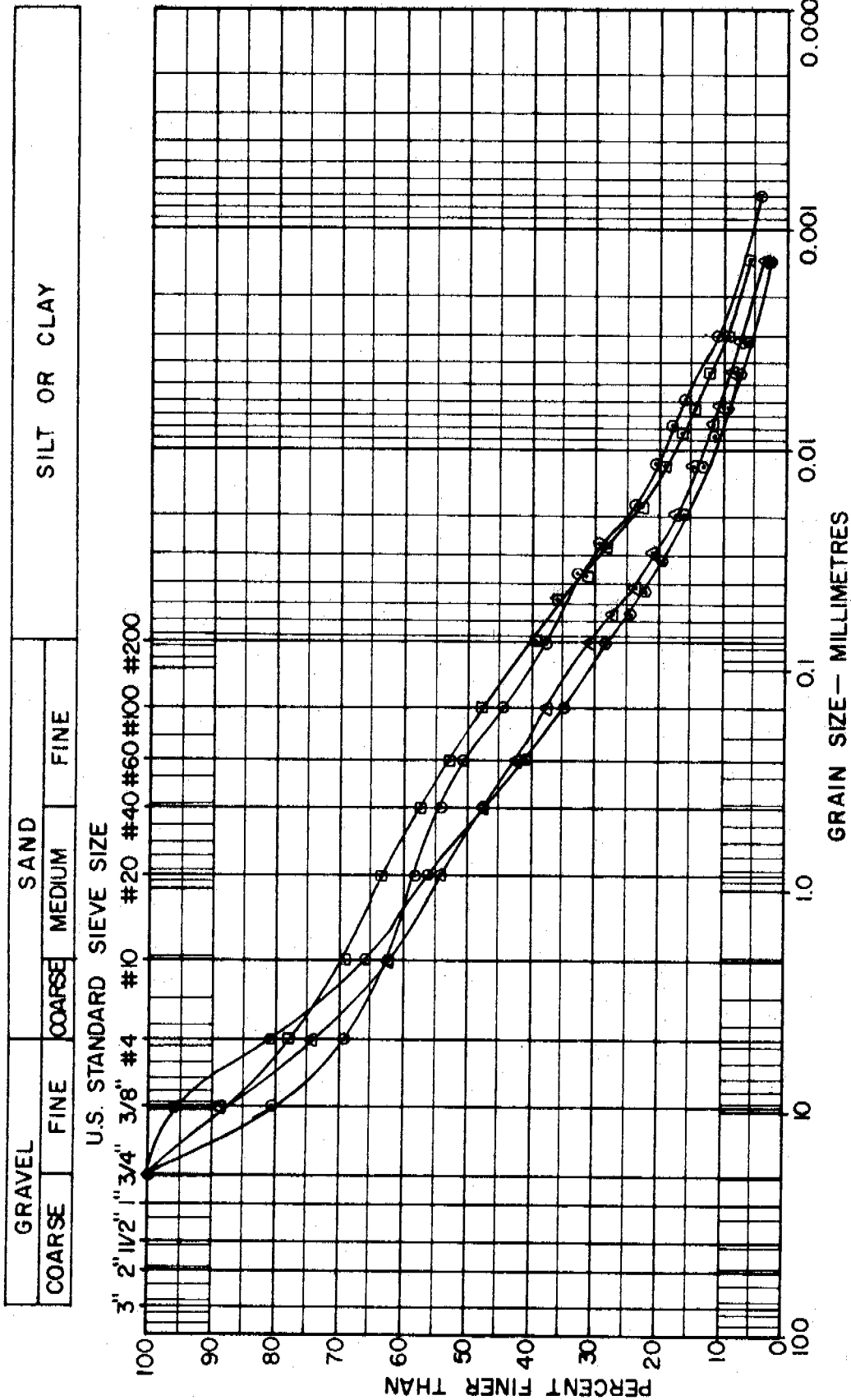
LOCATION 416-S-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 5 ft.

□ 10 ft.

△ 15 ft.

○ 20 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

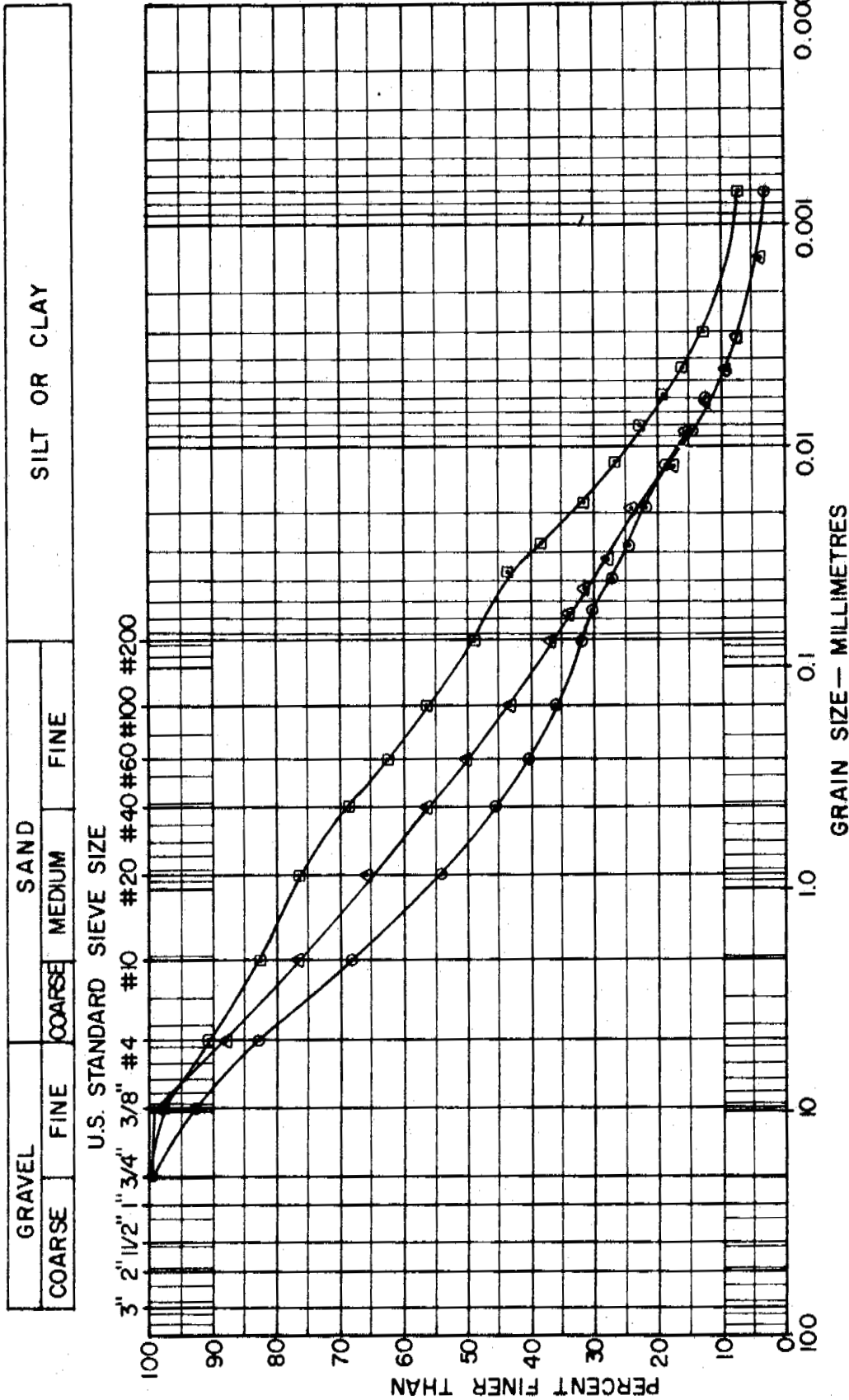
PROJECT

LOCATION 416-S-E

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 10 ft.

△ 16 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

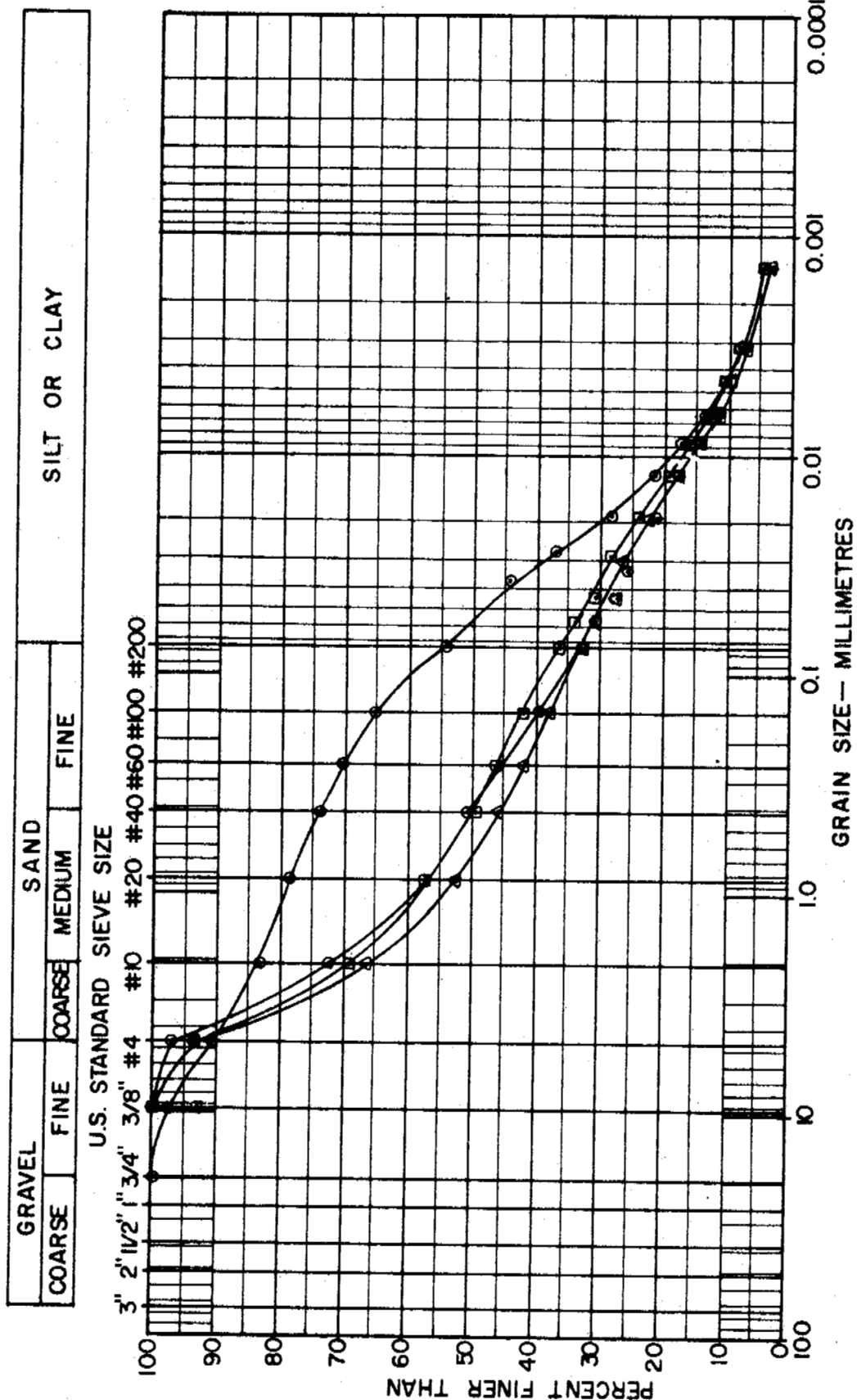
LOCATION 416-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

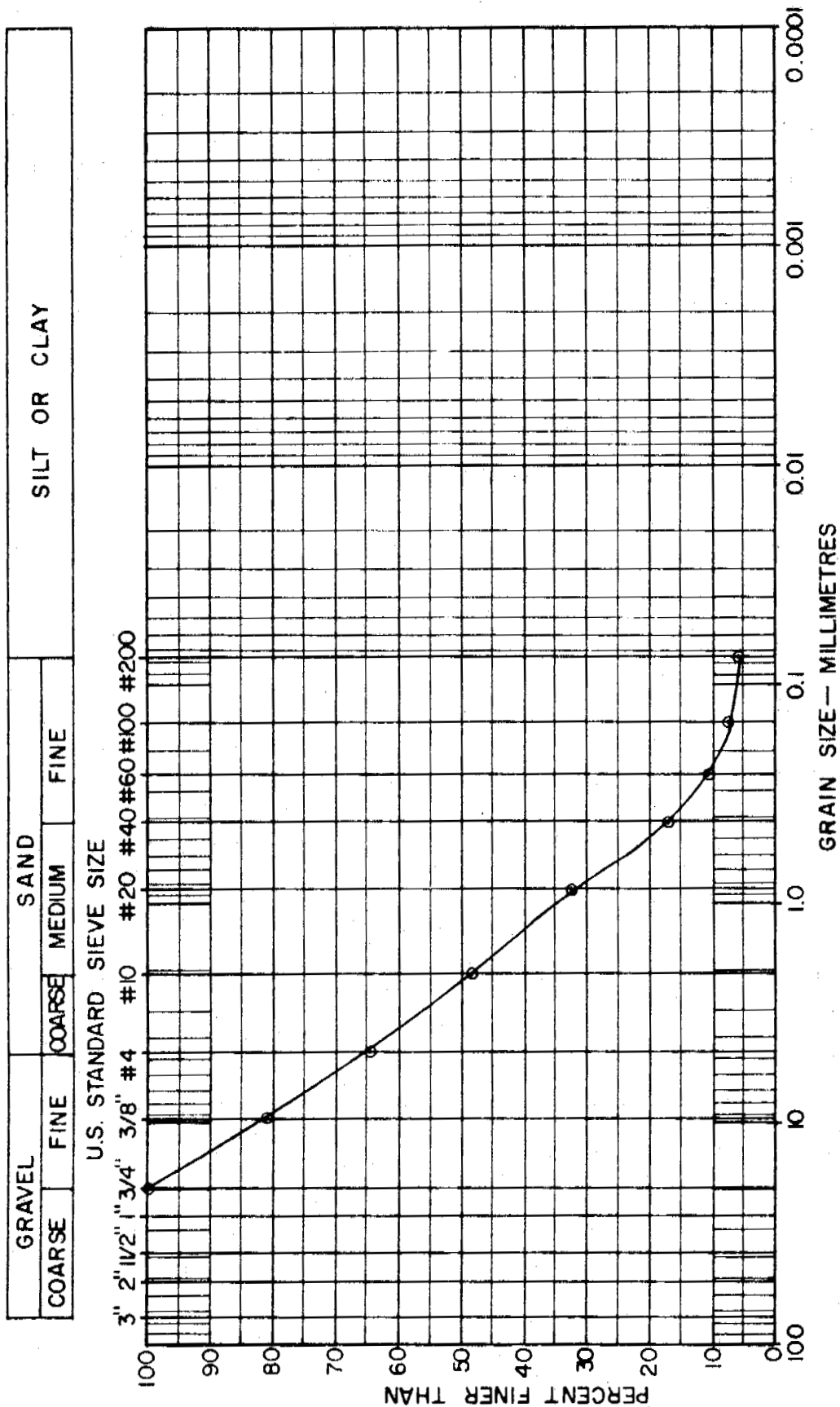
LOCATION 416-S-1

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☉ Sample No. 1 - 5 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

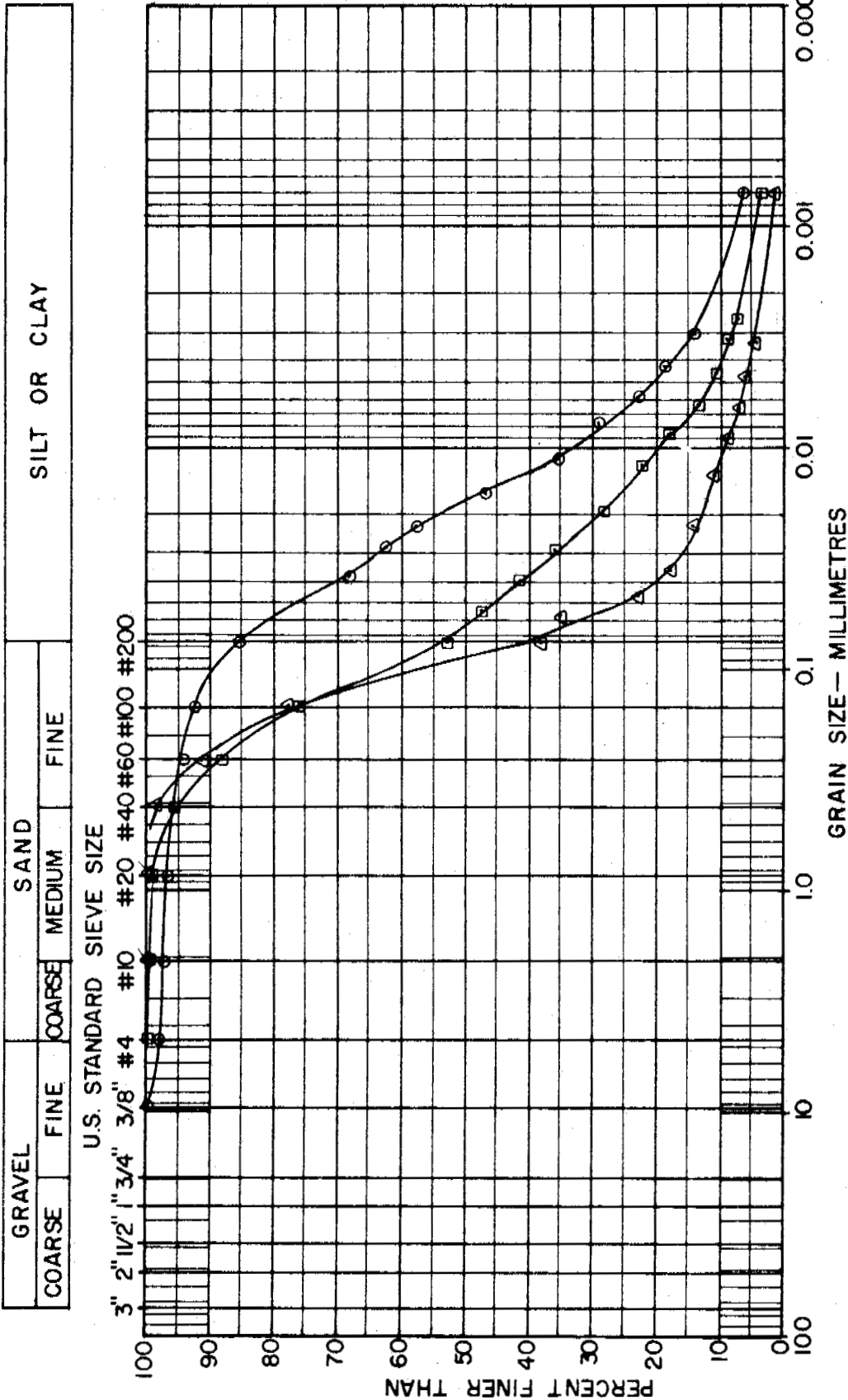
LOCATION 417-C-A

HOLE No.:

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

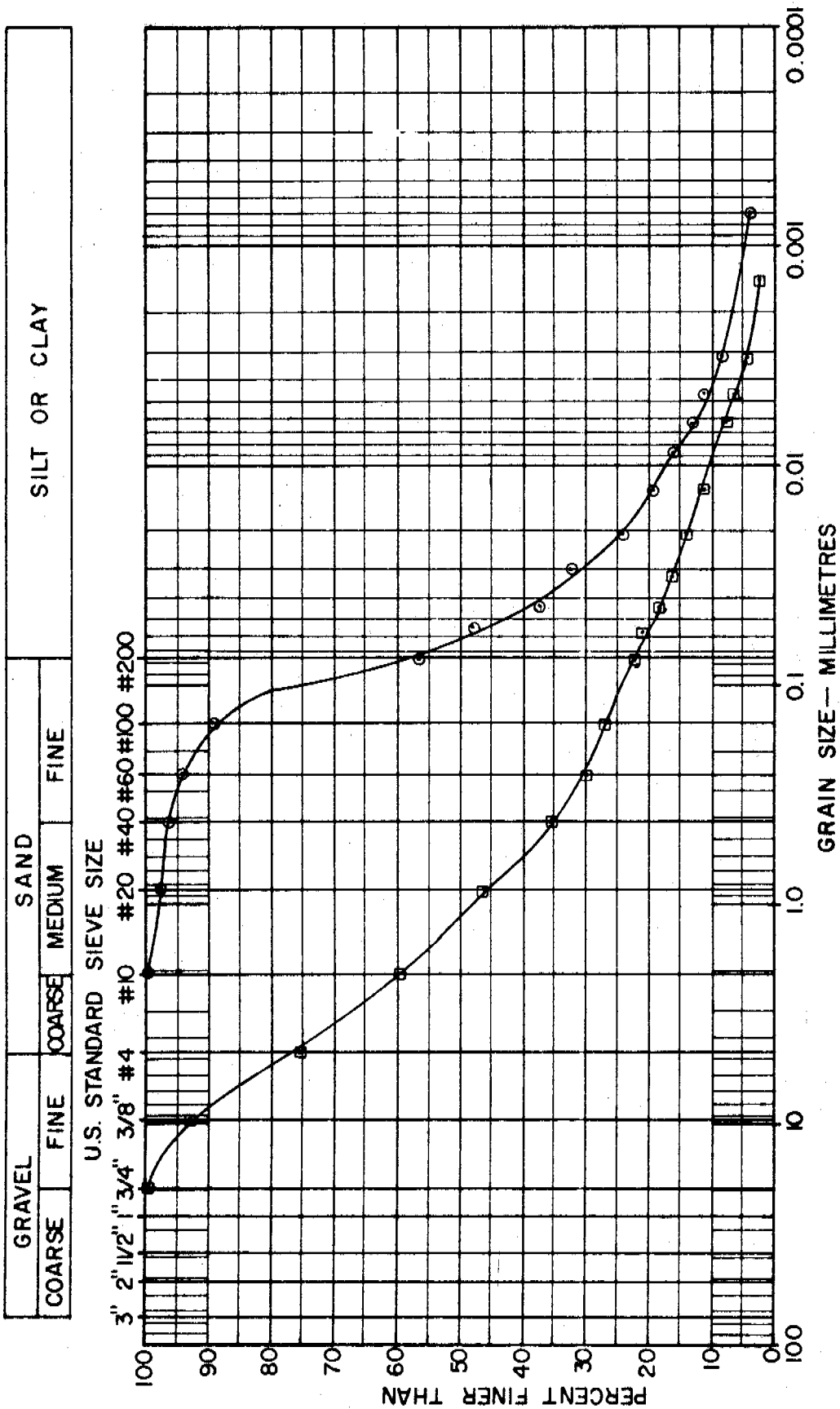
LOCATION 417-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 5 - 17 1/2 ft.

☐ Sample No. 7 - 30 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

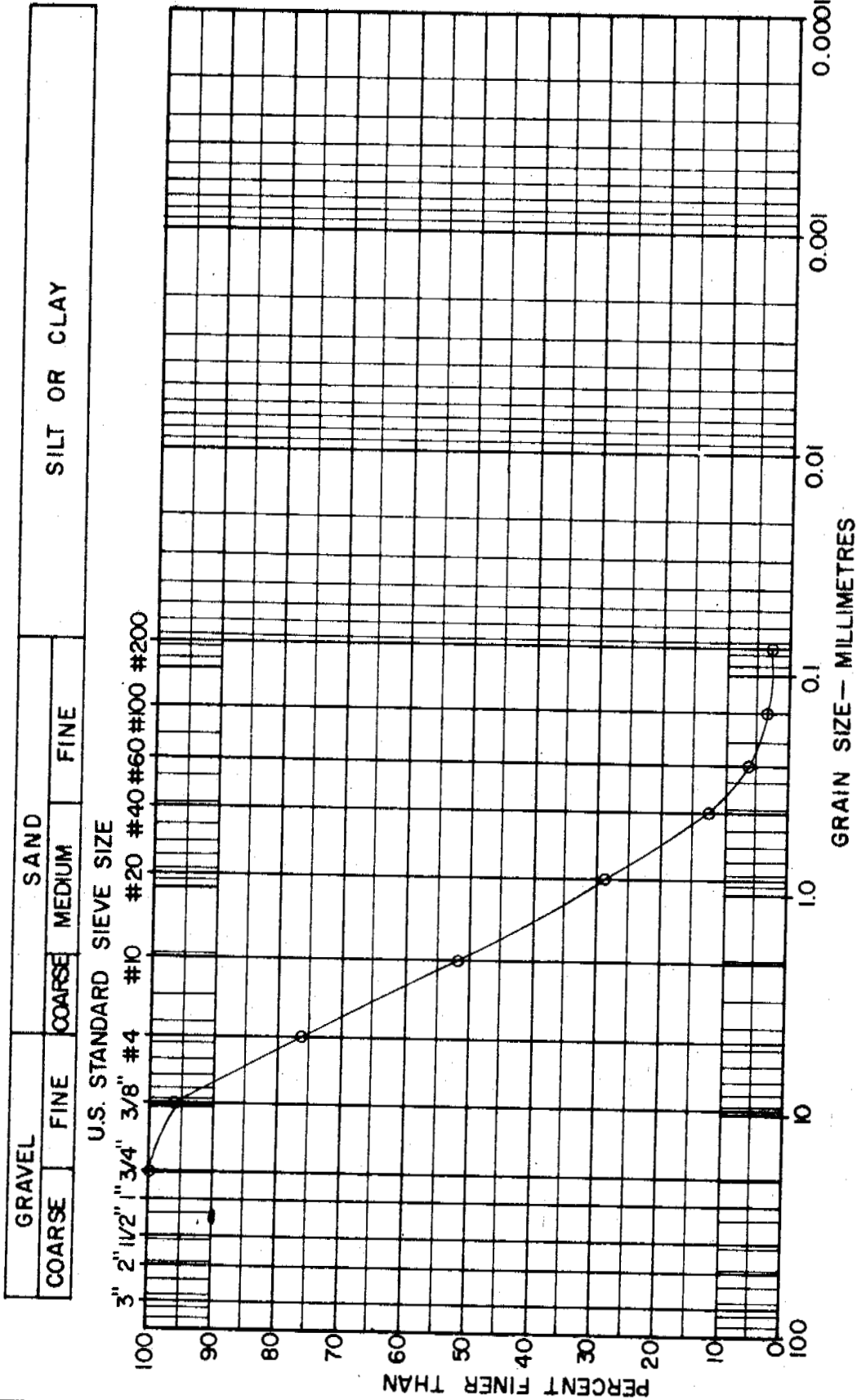
LOCATION 417-S-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: 0 - 10 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

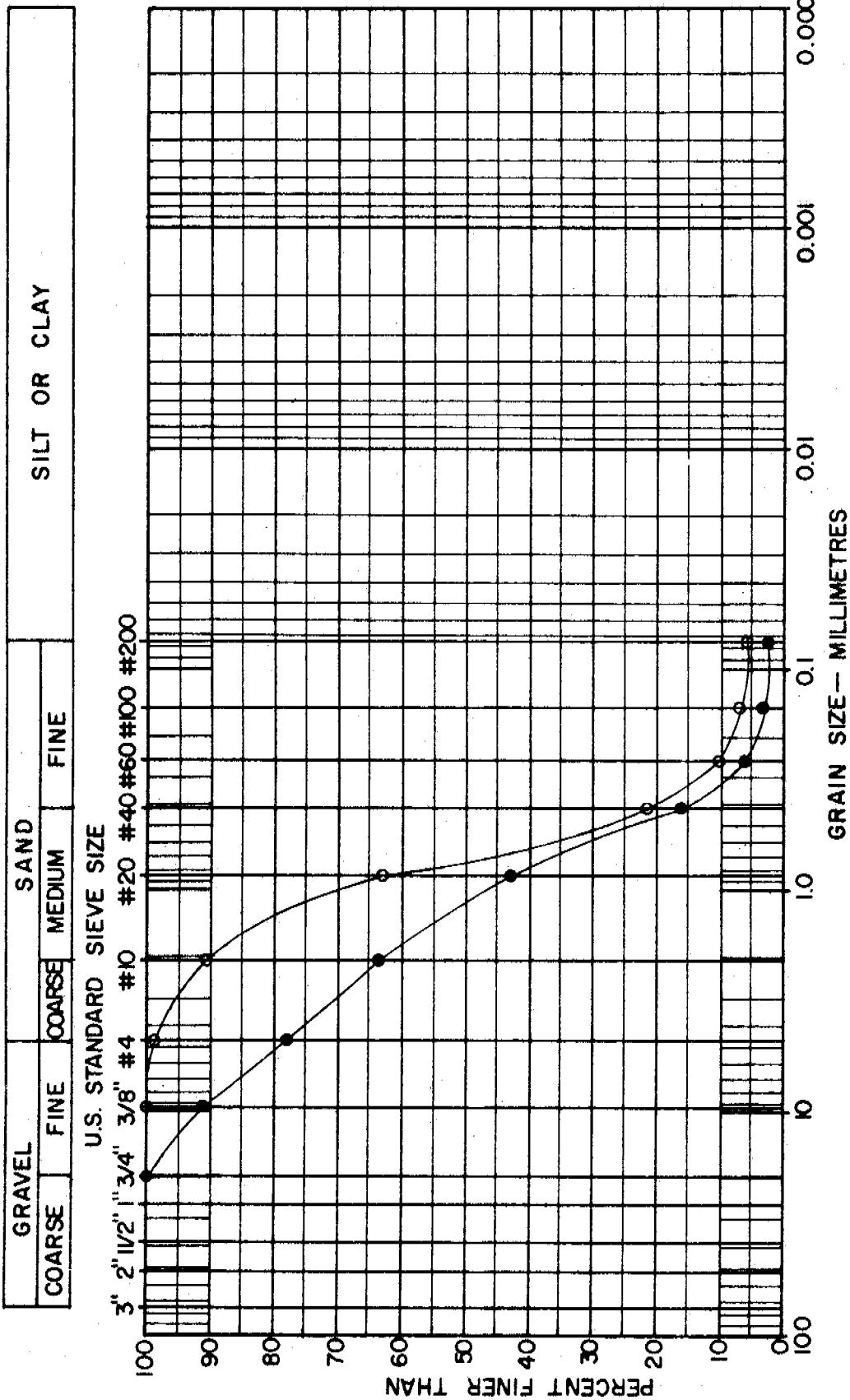
LOCATION 418-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● - 5 ft.
○ - 10 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

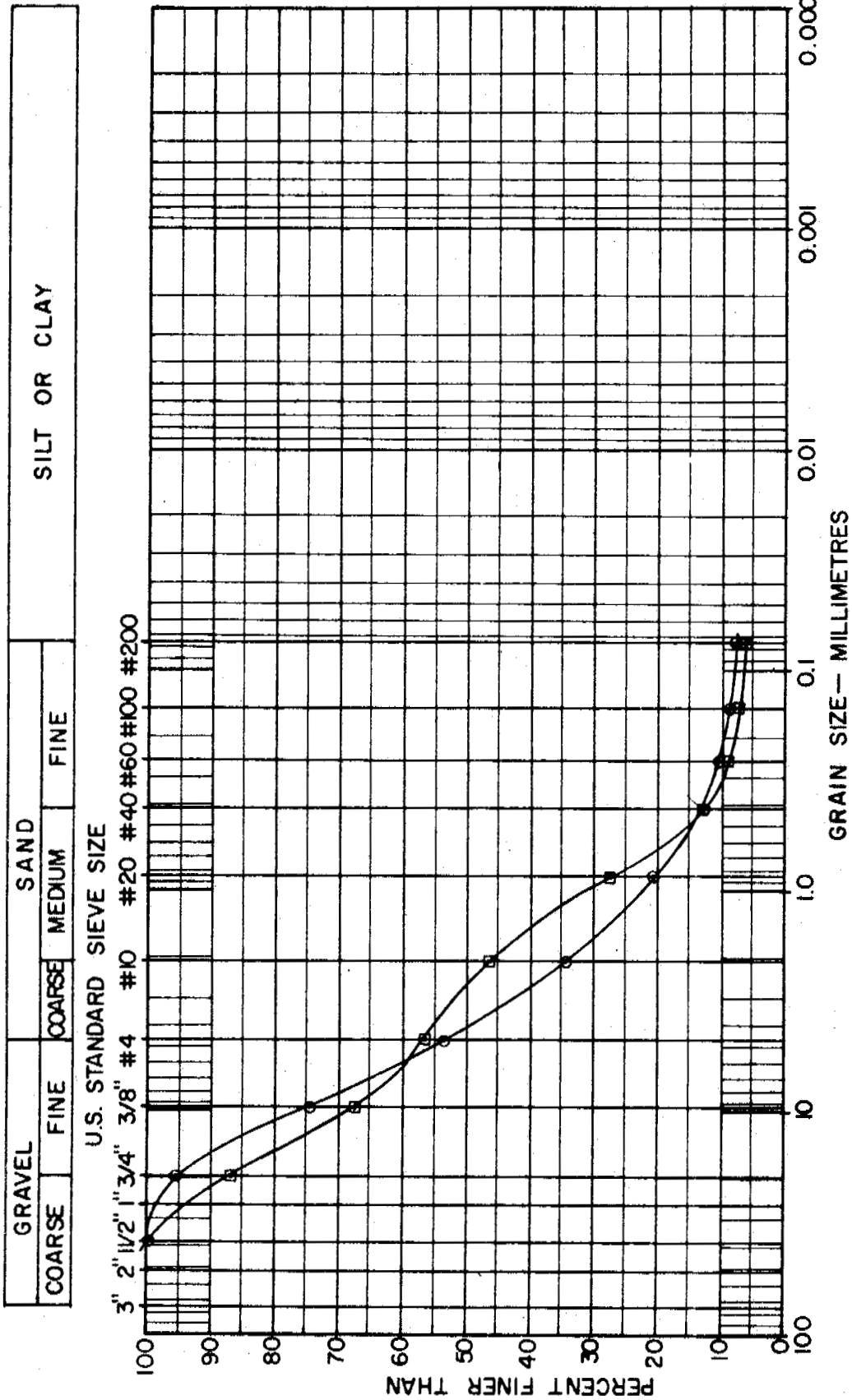
LOCATION 418-C-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 10 ft.

@ 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

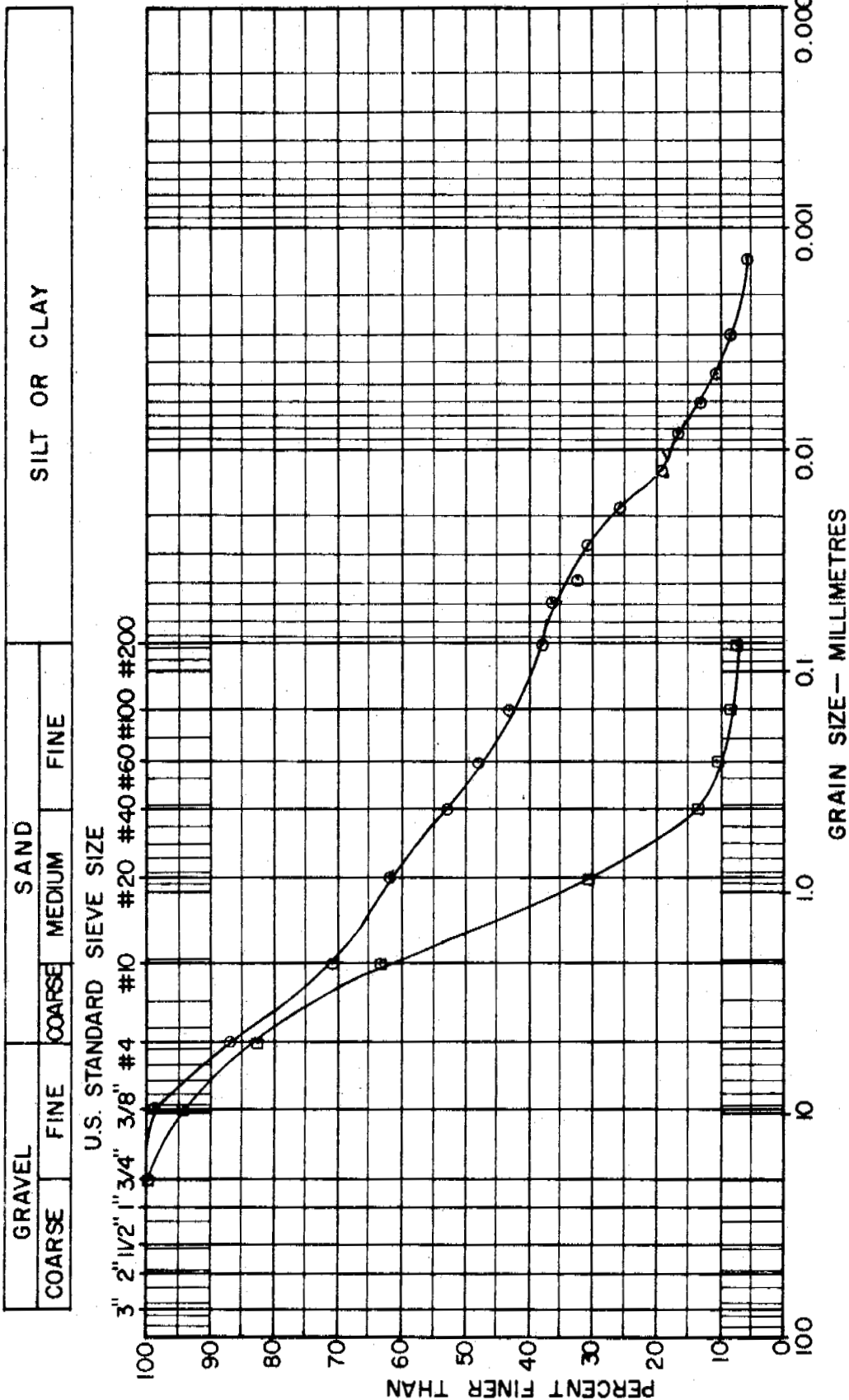
LOCATION 418-C-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

LOCATION 418-C-D

HOLE No.

DEPTH

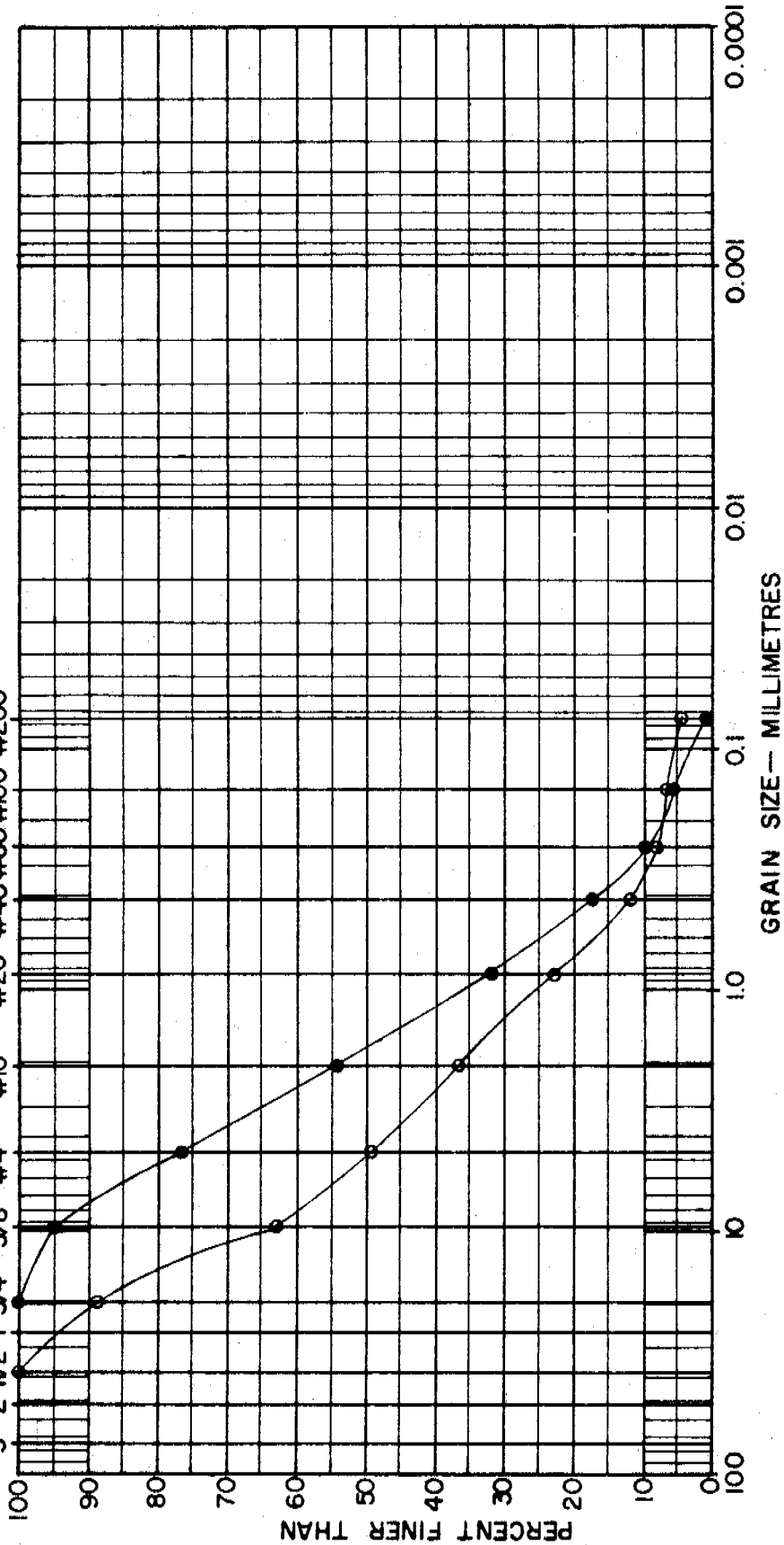
DATE

GRAIN SIZE CURVE

GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 2" 1 1/2" 1 1/4" 3/8" #4 #10 #20 #40 #60 #100 #200



REMARKS: ● - 5 ft.

○ - 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

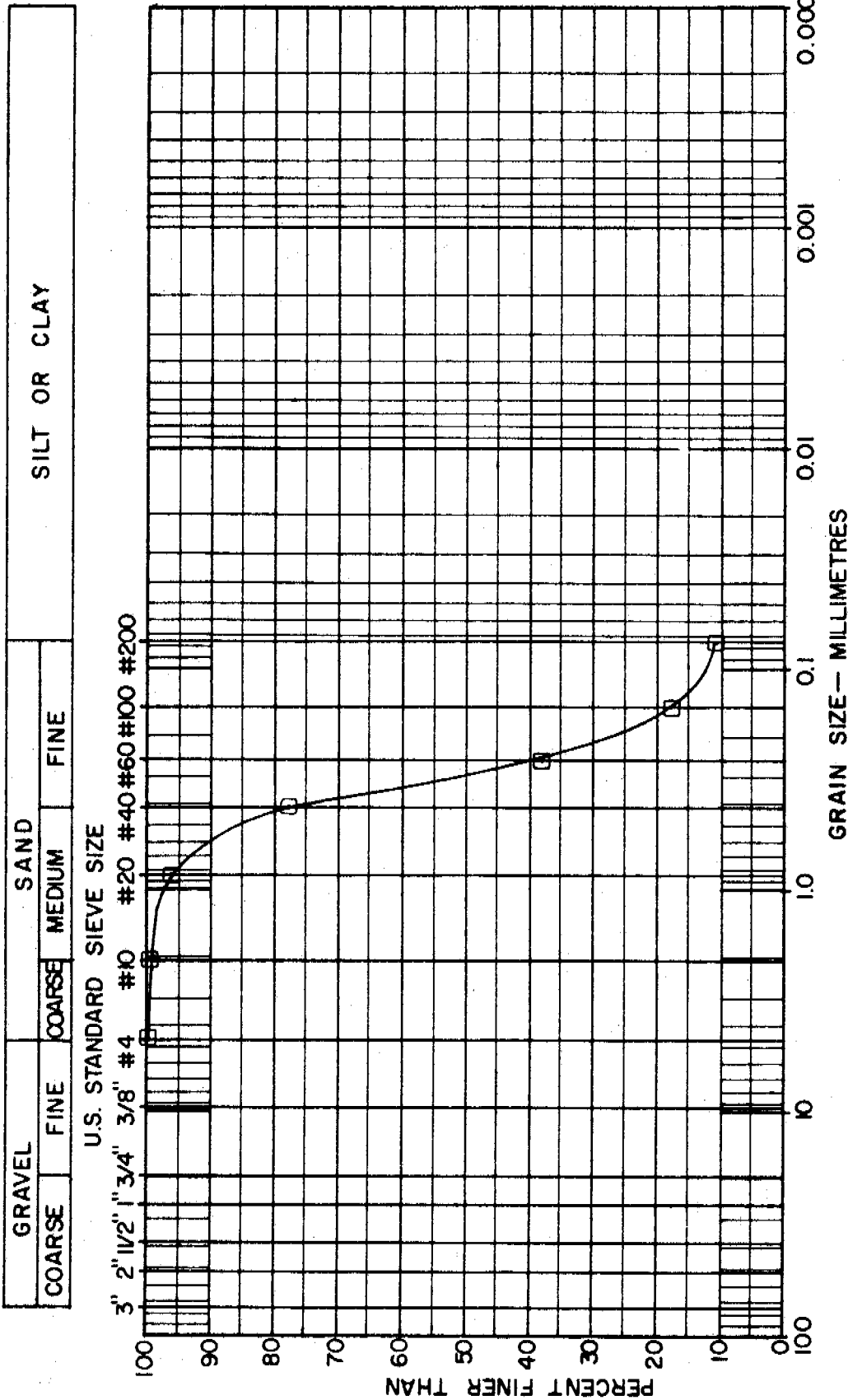
LOCATION 418-C-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: Sample #1 pure organics

☒ Sample #2 10'



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL 0335

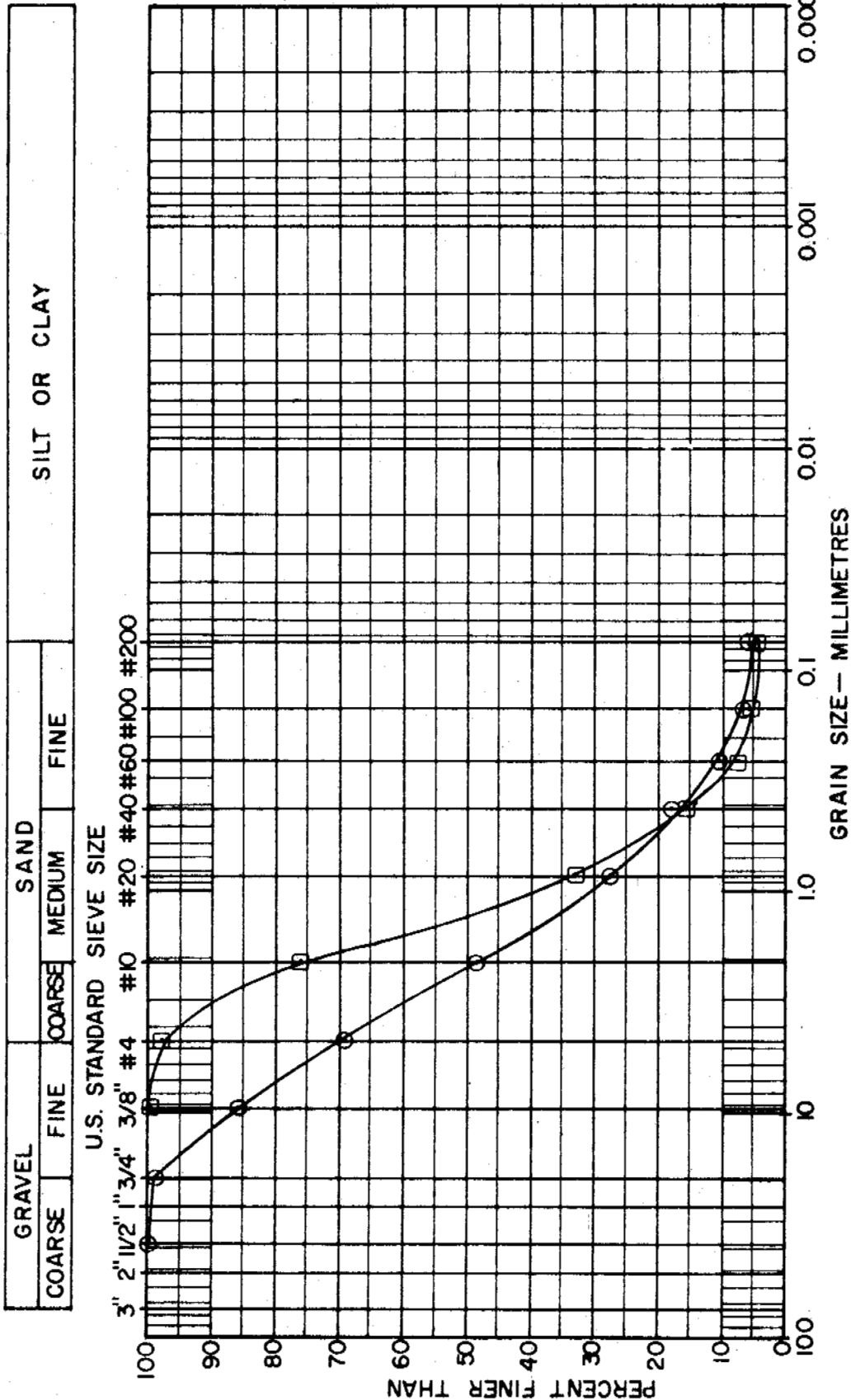
PROJECT

LOCATION

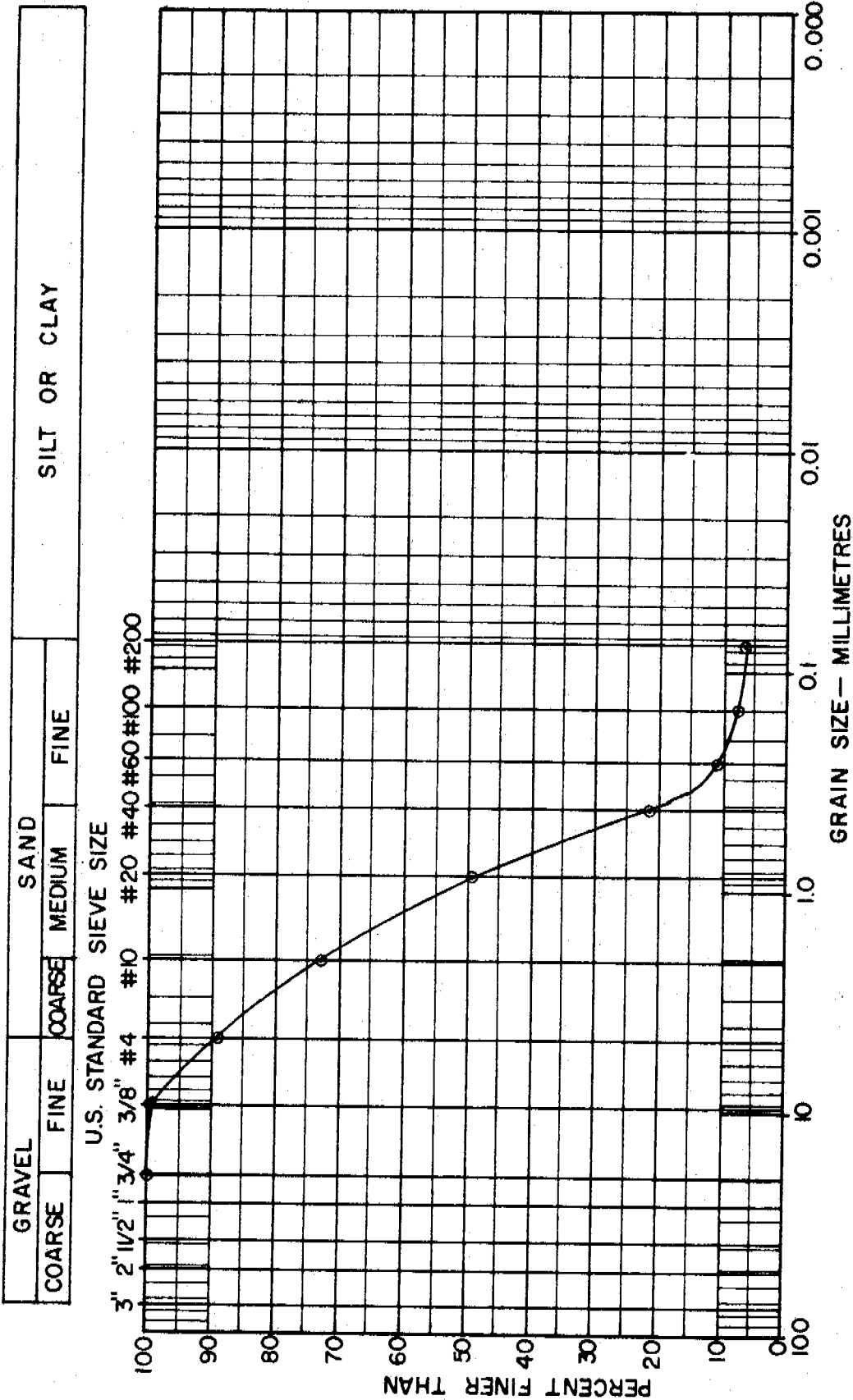
HOLE No. 419-C-A DEPTH

DATE May 24, 1973

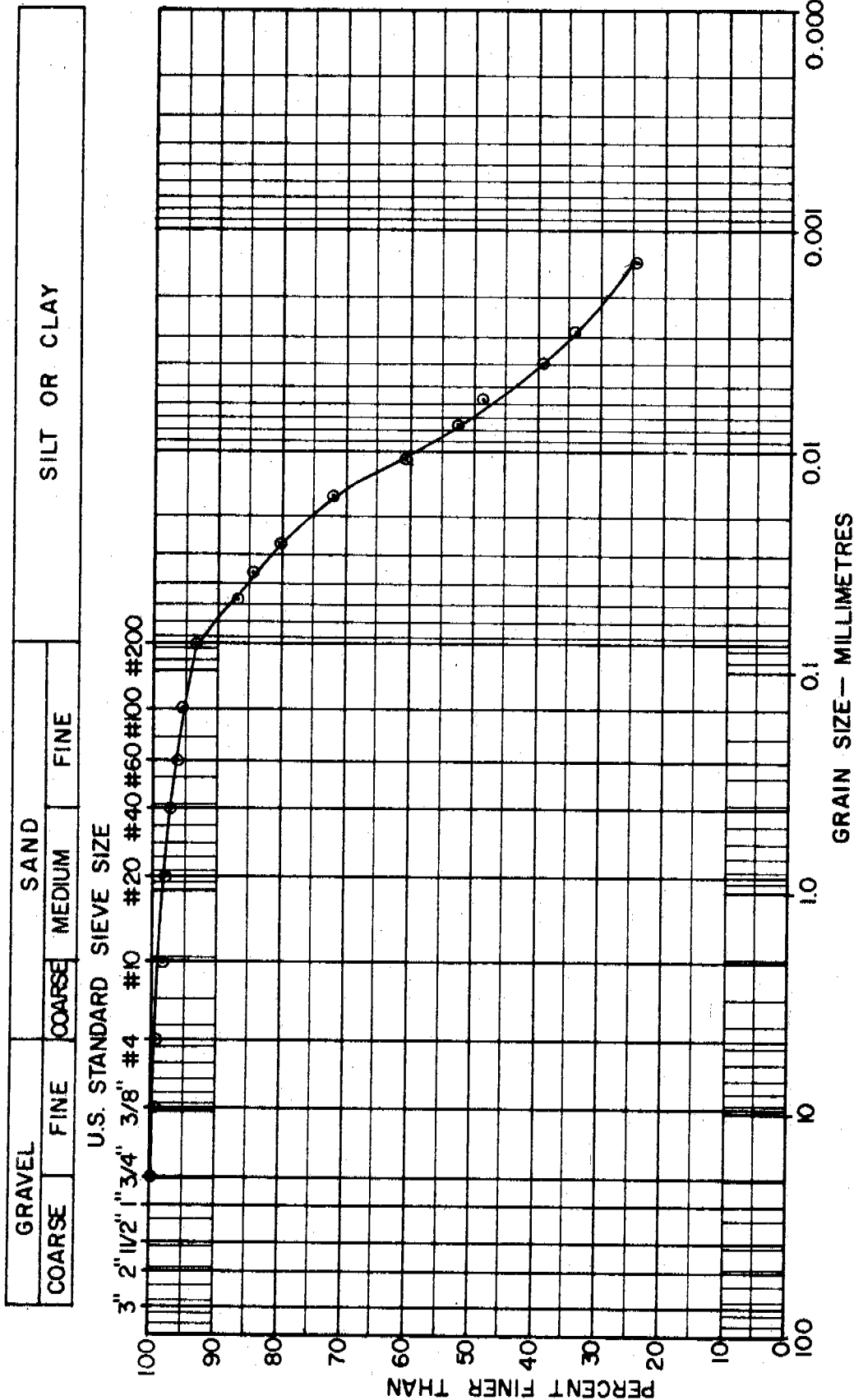
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 15 ft.



JOB No. AL0307

PROJECT

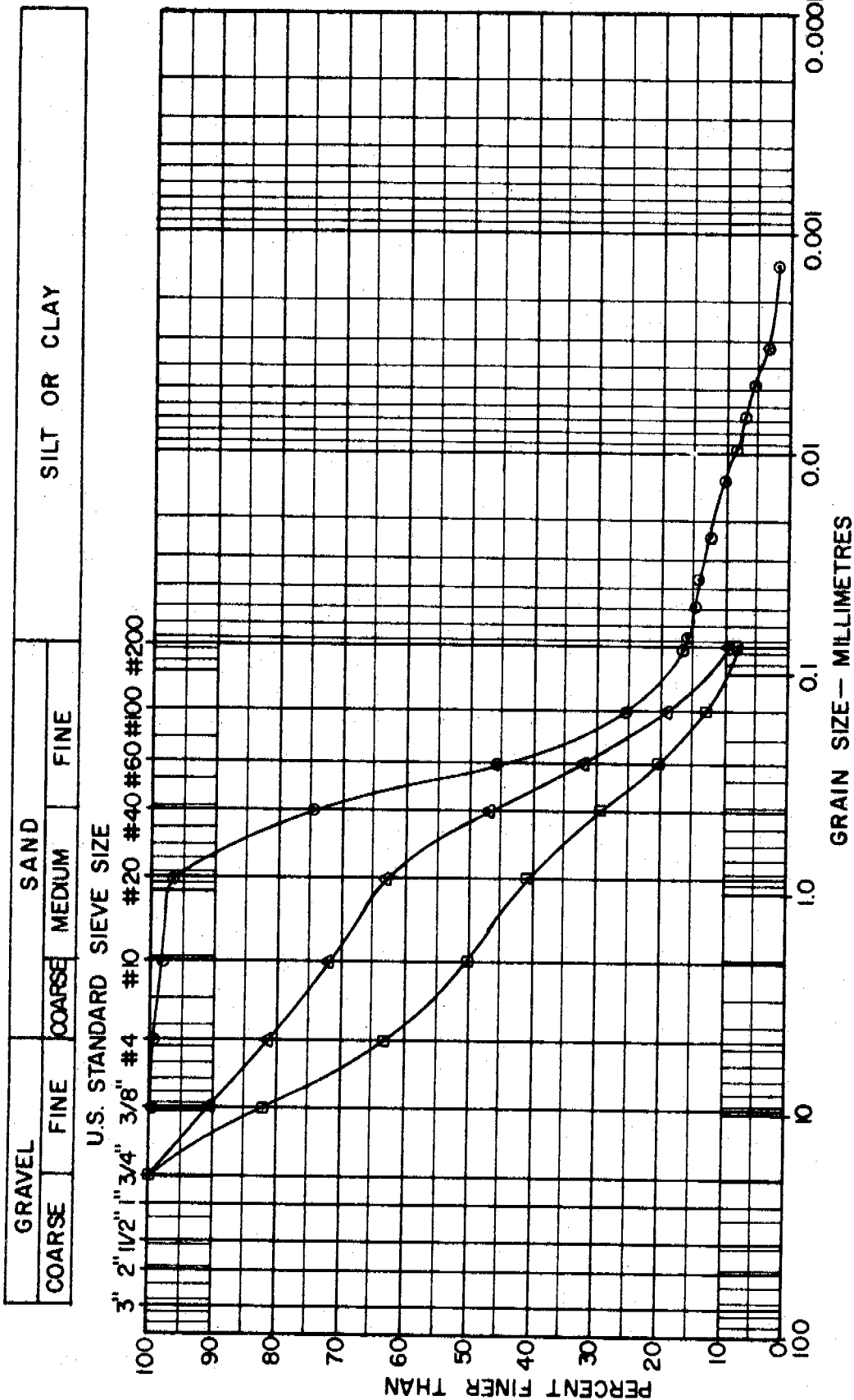
LOCATION 422-S-F

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

LOCATION 423-C-A

HOLE No.

DEPTH

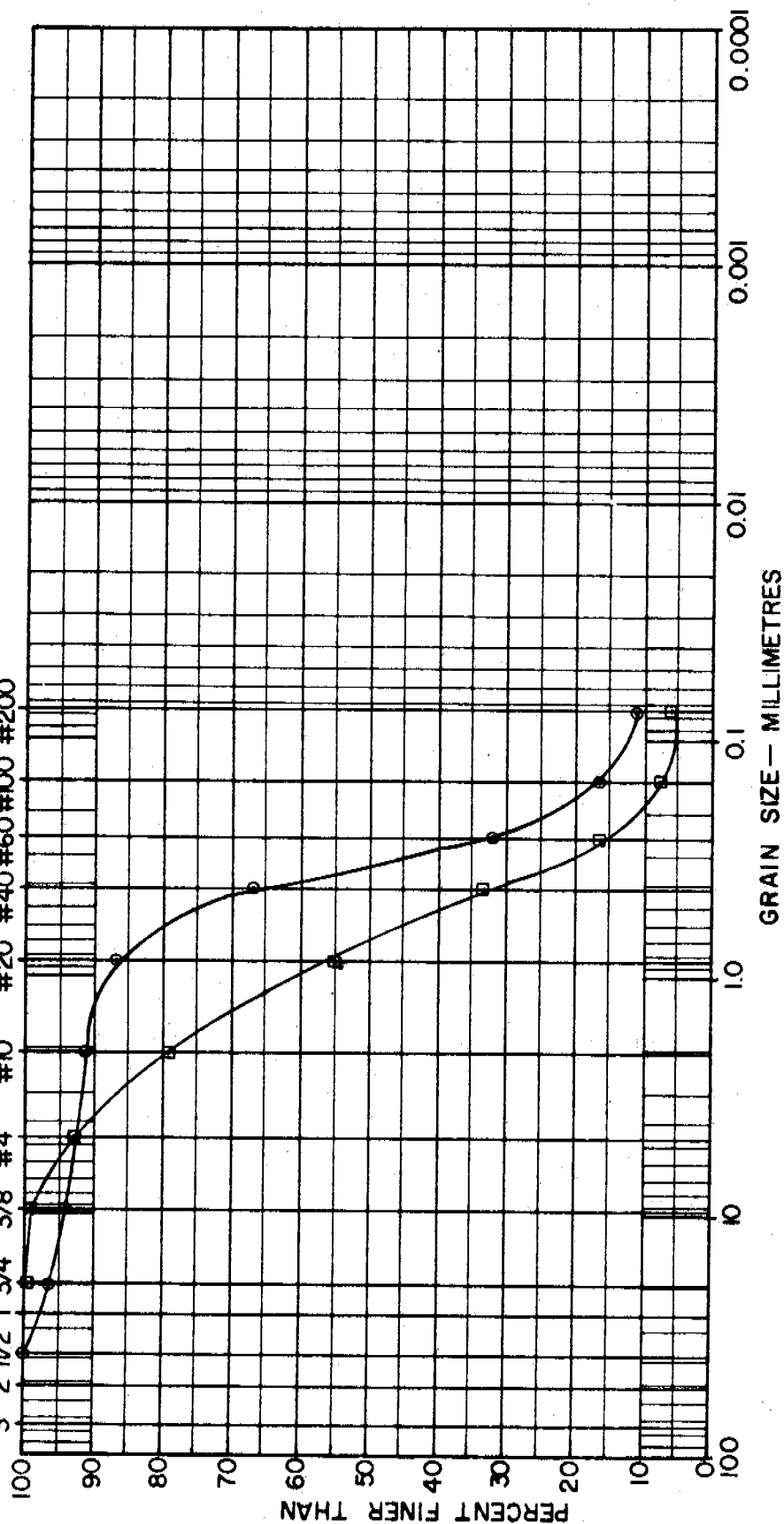
DATE

GRAIN SIZE CURVE

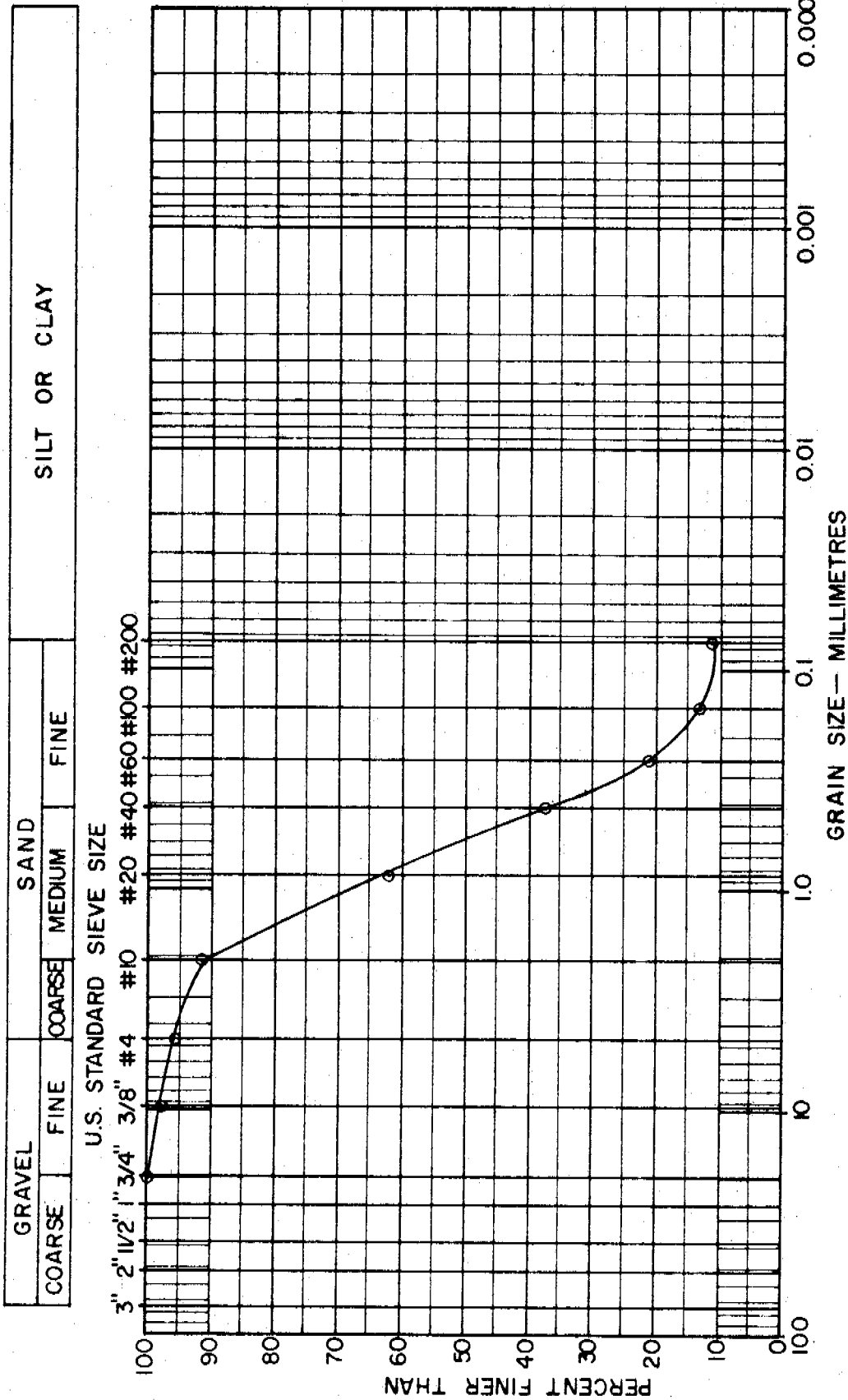
GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

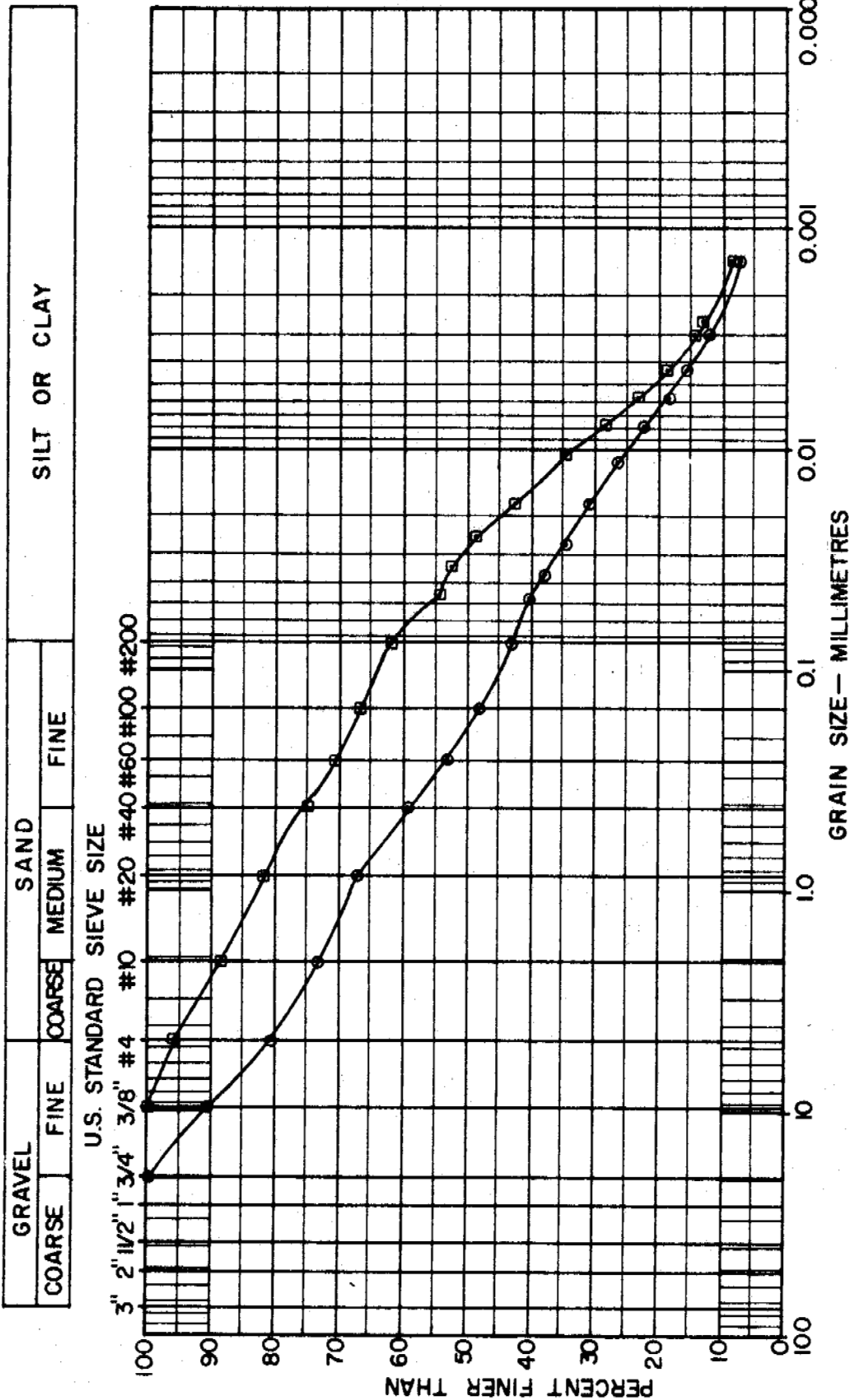
3" 2 1/2" 1 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 2 - 10 ft.

☐ Sample No. 3 - 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

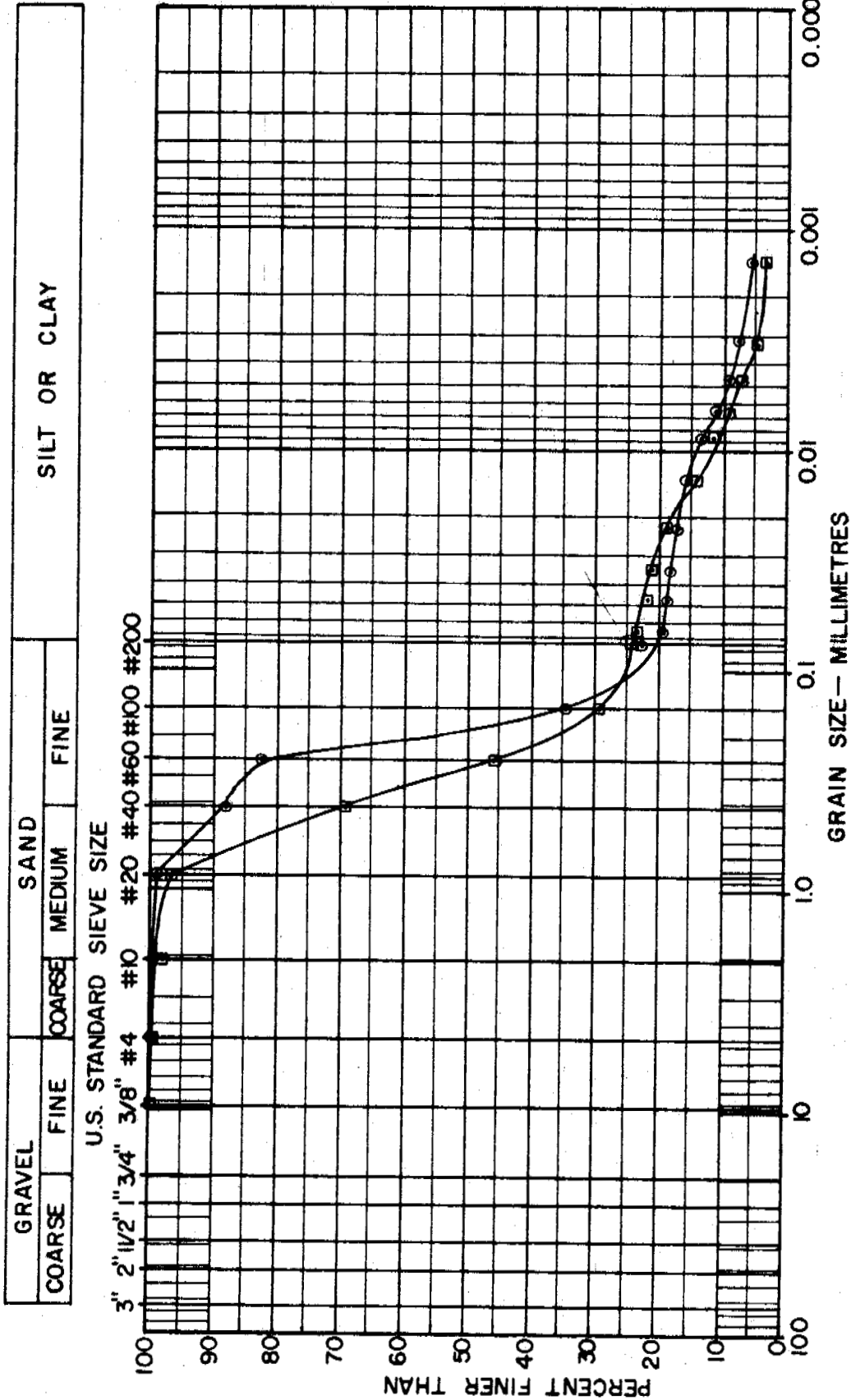
LOCATION 423-C-H

HOLE No.

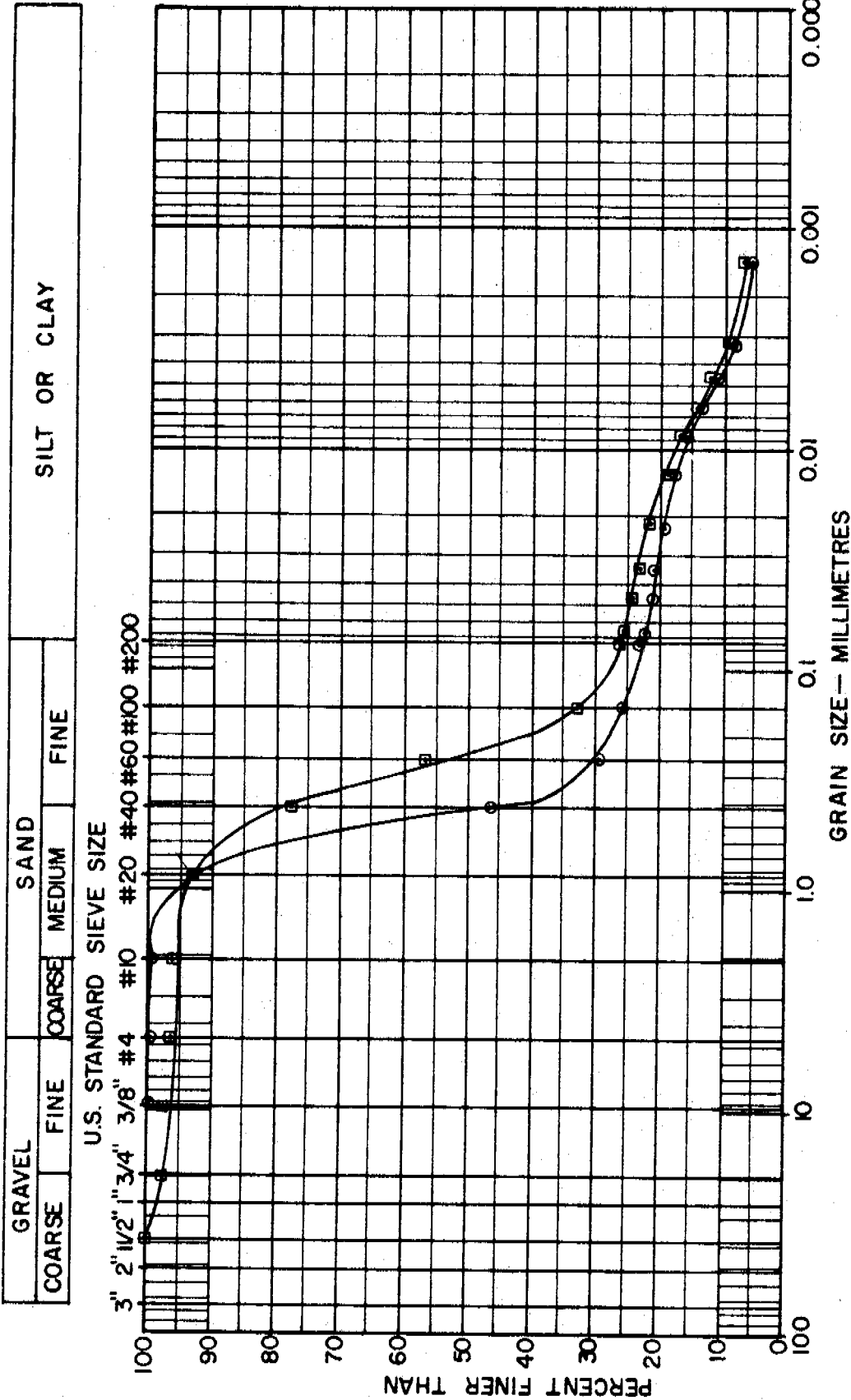
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ 5 ft.
 □ 10 ft.



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

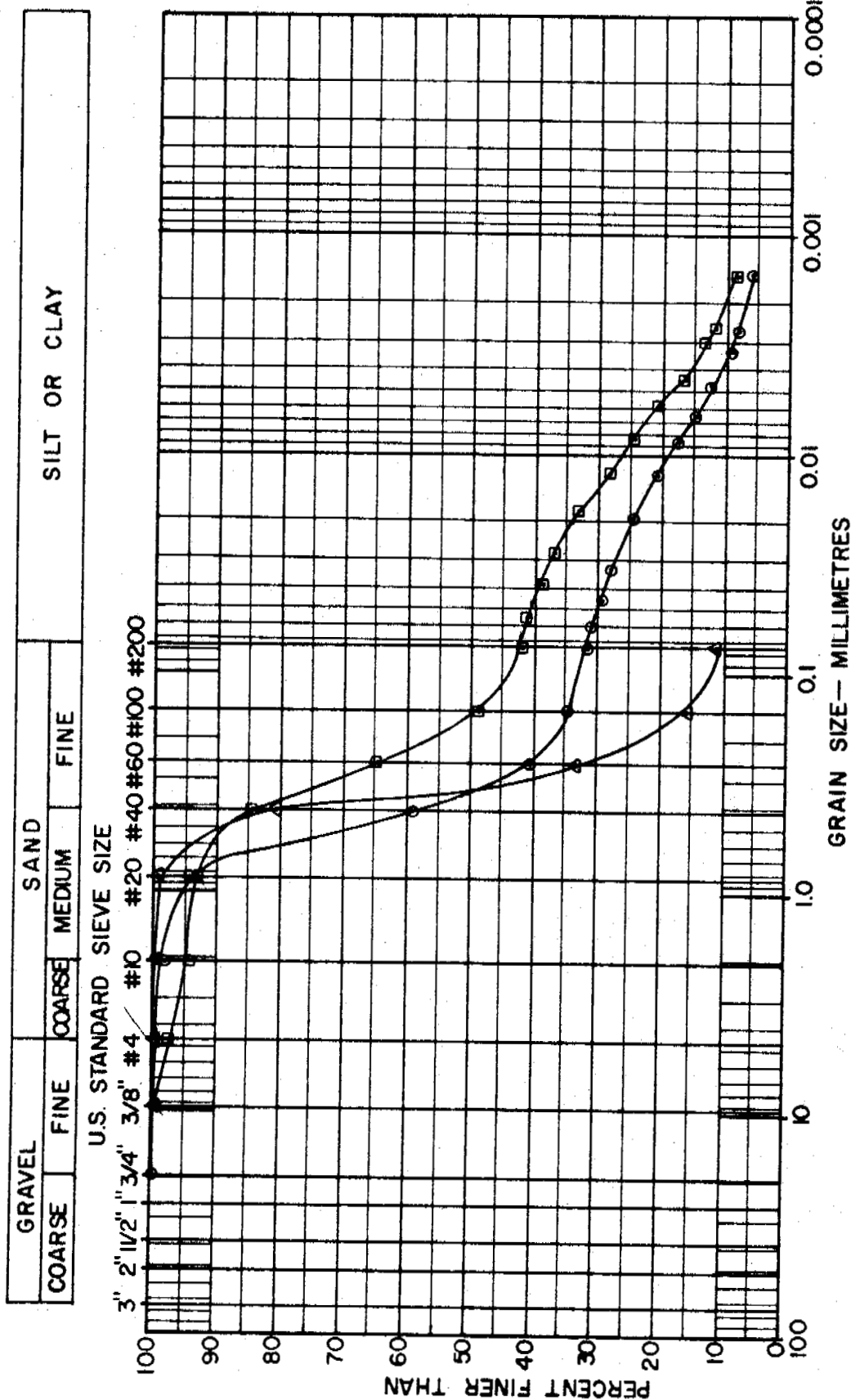
LOCATION 424-C-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 10 ft.

△ 15 ft.



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

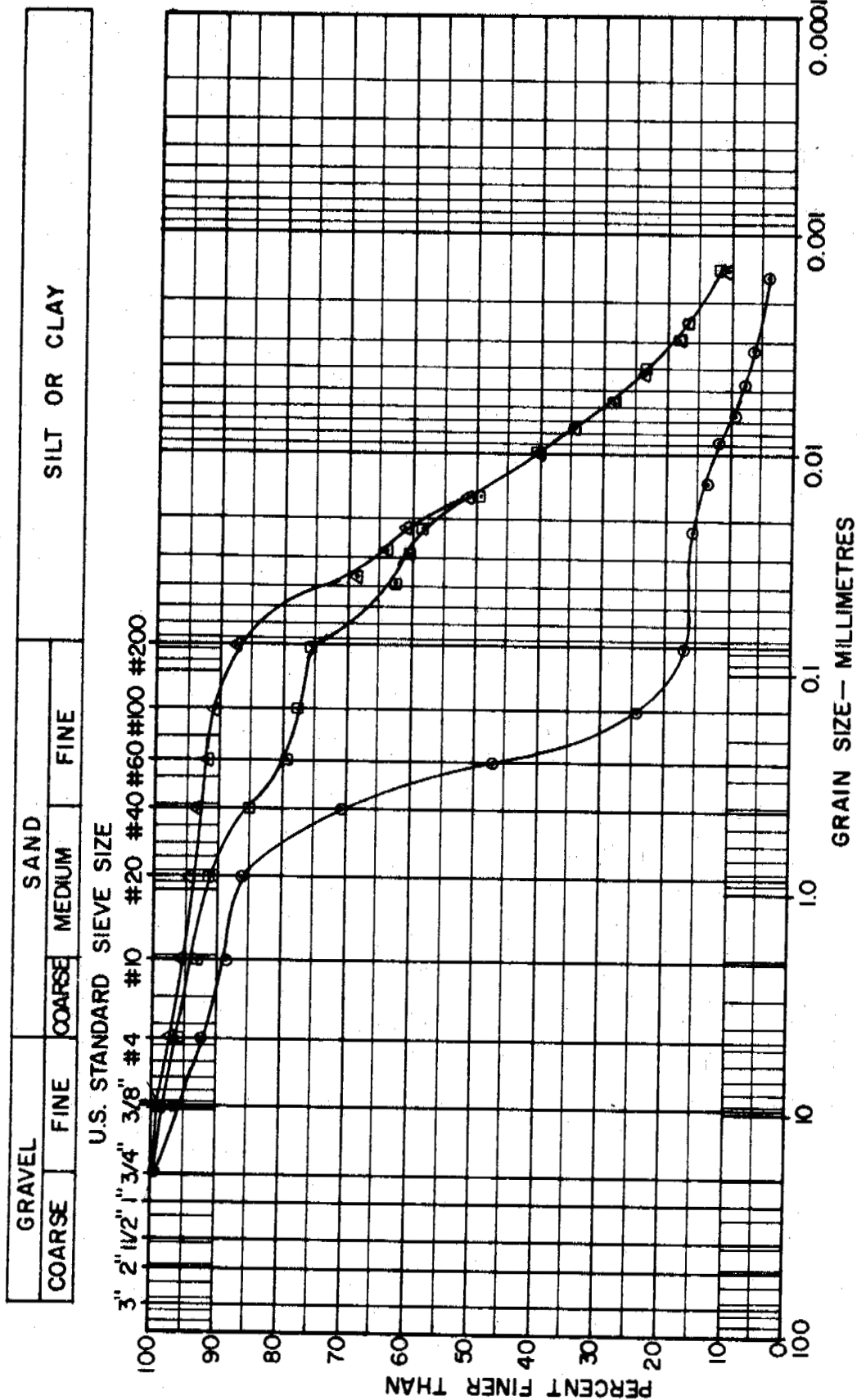
LOCATION 425-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 5 ft.

□ 11 ft.

△ 15 ft.



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

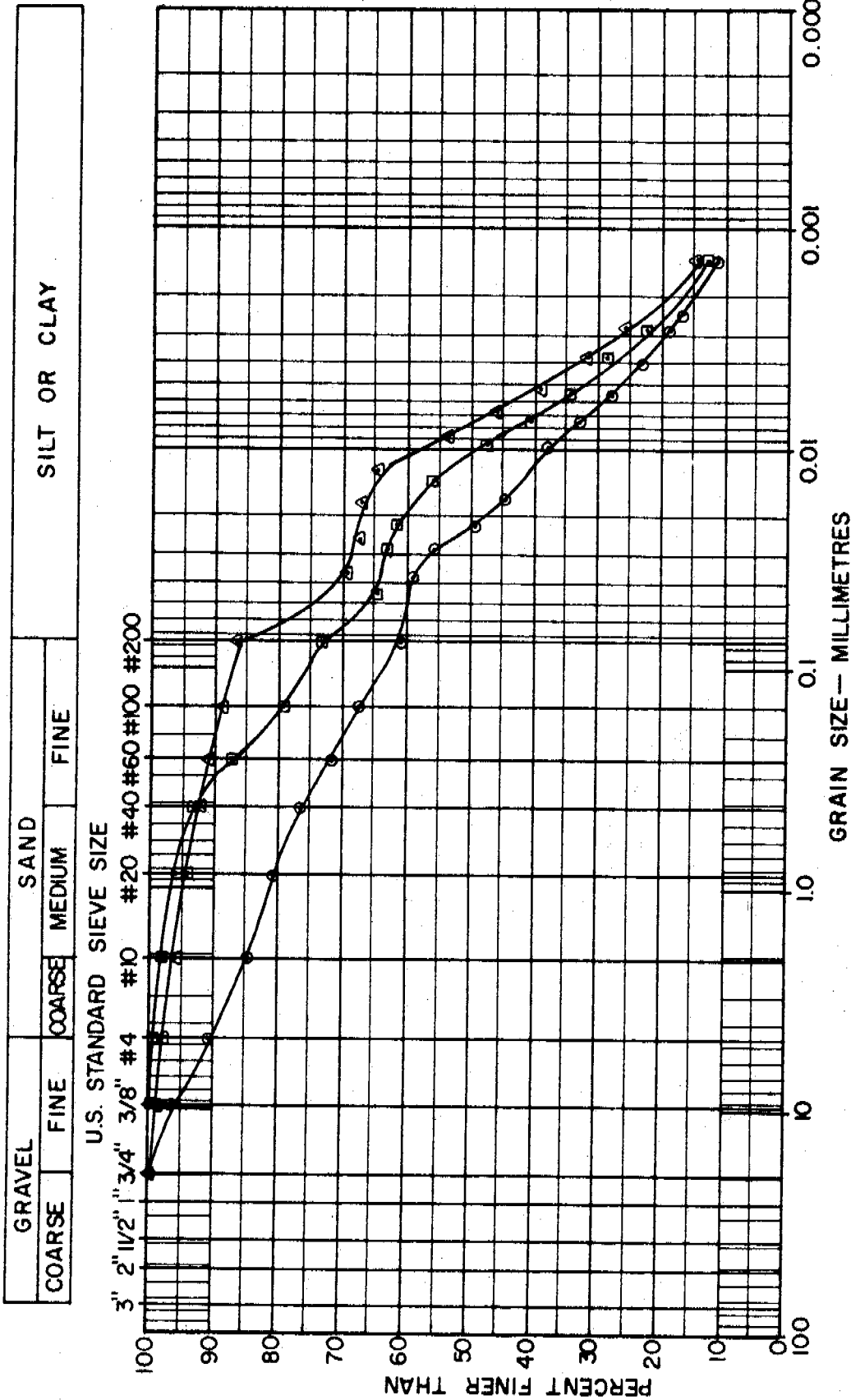
LOCATION 425-C-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: $\circ$ Sample No. 2 - 8 1/2 ft.

$\square$ Sample No. 1 - 5 ft.

$\triangle$ Sample No. 3 - 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

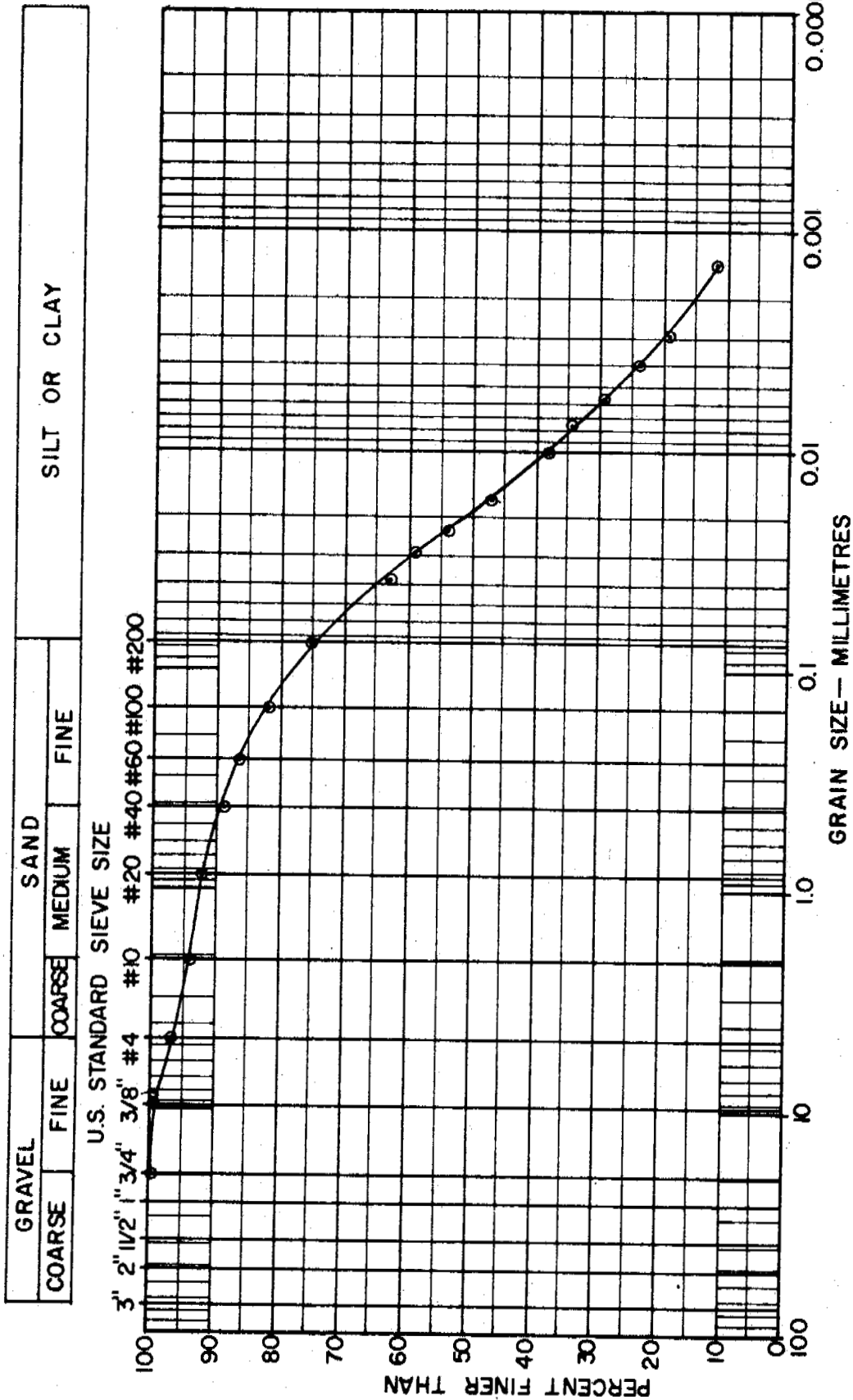
LOCATION 425-C-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 2 - 8 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

LOCATION 425-C-D

HOLE No.

DEPTH

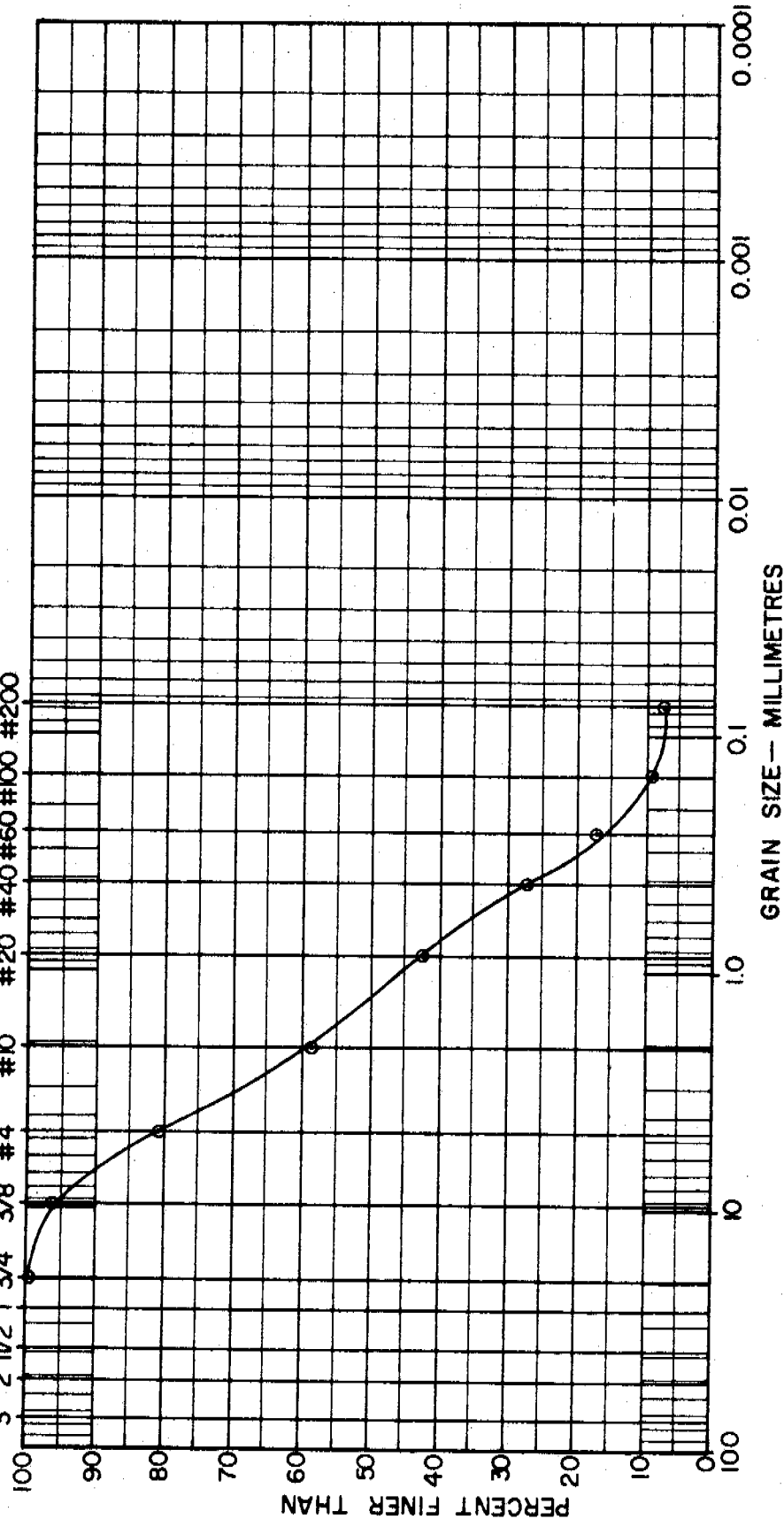
DATE

GRAIN SIZE CURVE

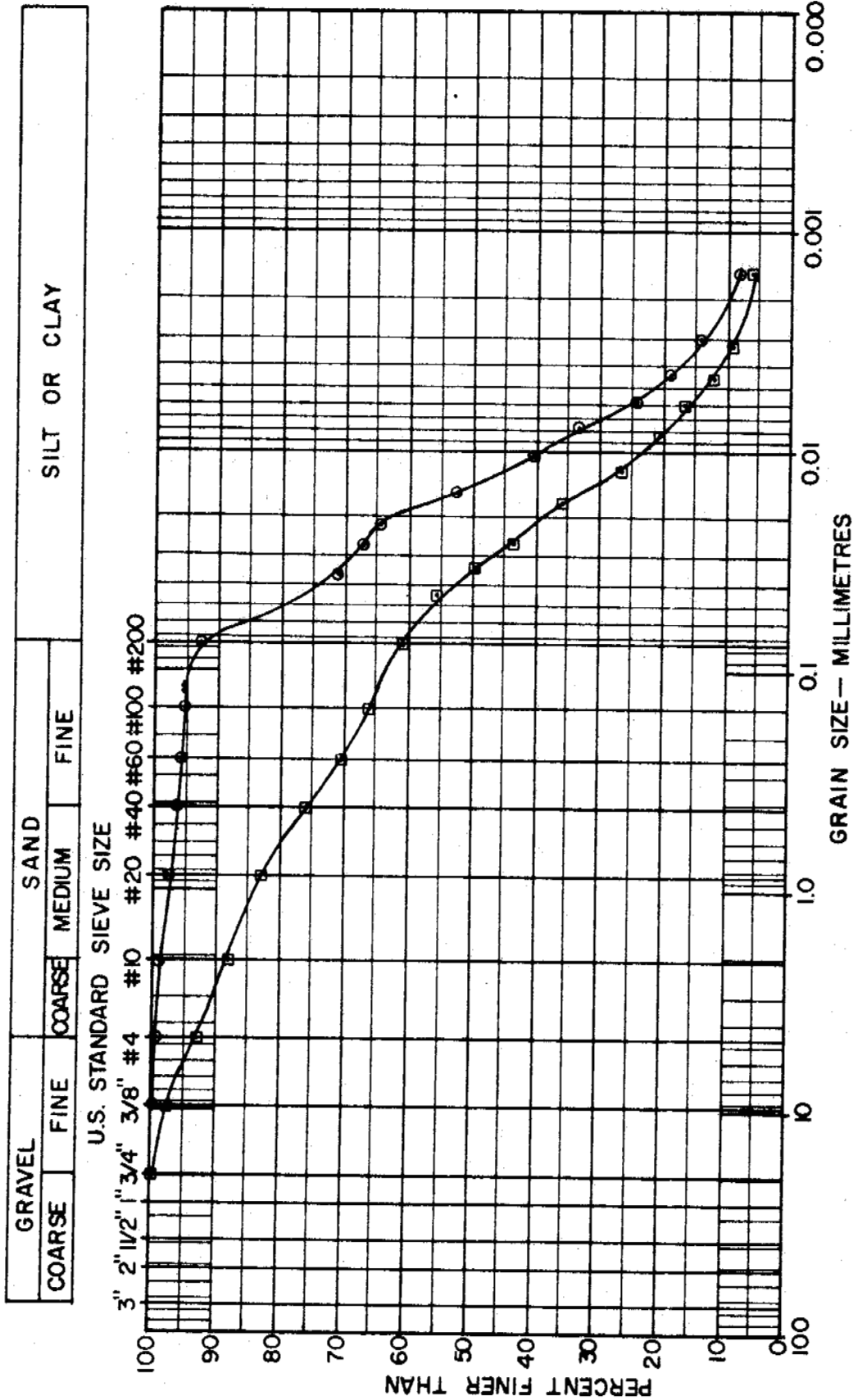
GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 1 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



GRAIN SIZE CURVE



REMARKS: $\circ$ Sample No. 1 - 5 ft.

$\square$ Sample No. 2 - 10 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

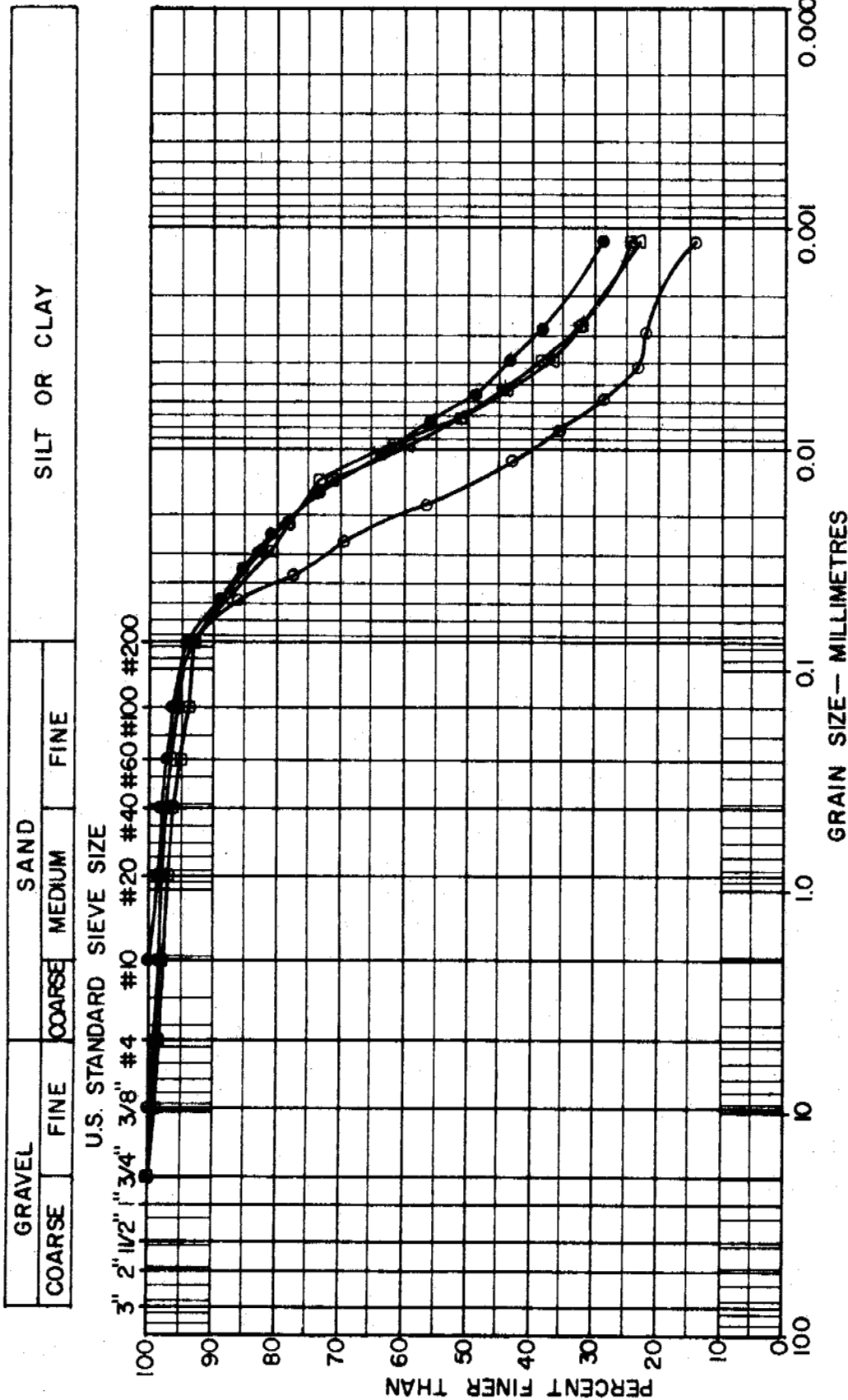
LOCATION 426-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

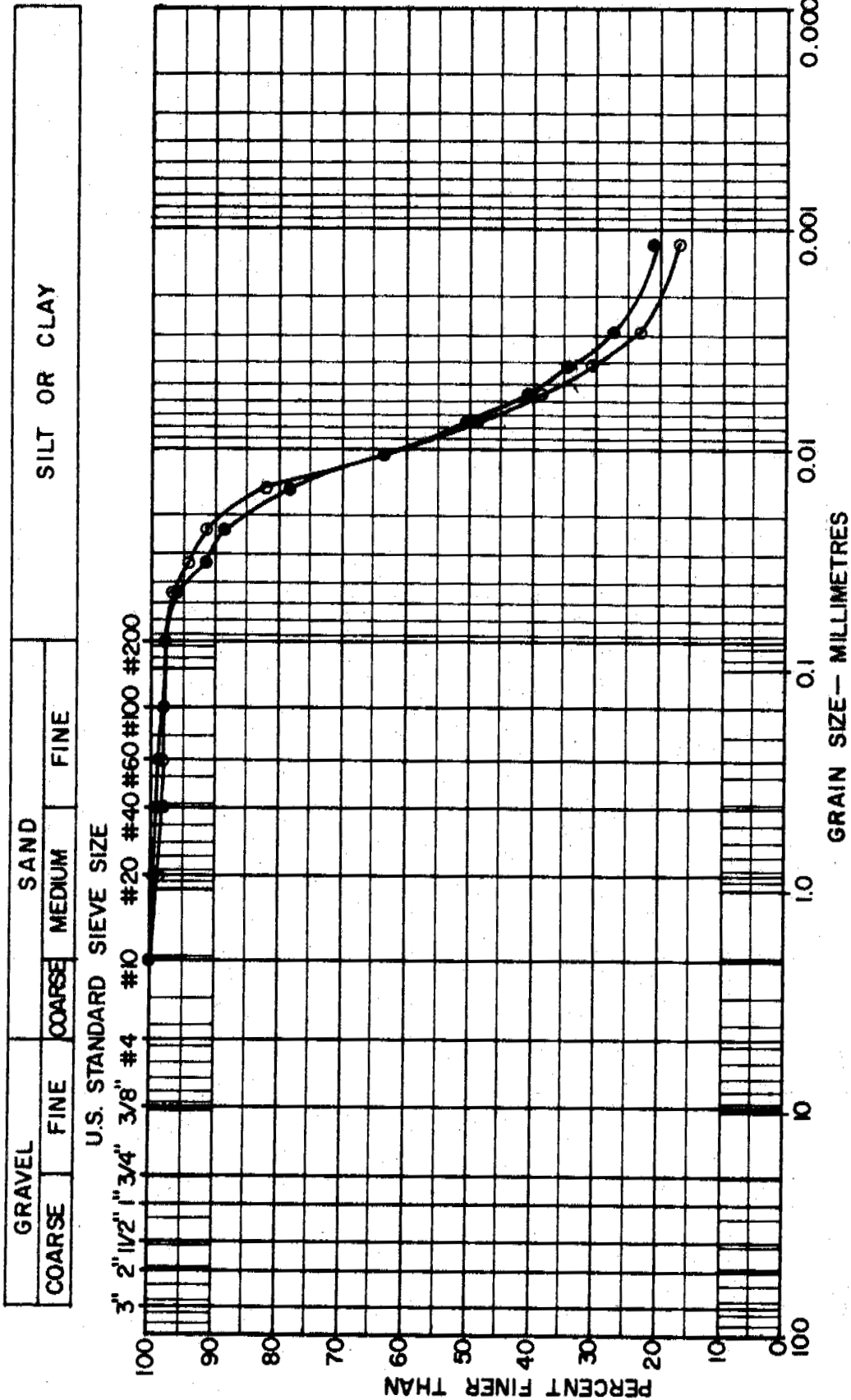
LOCATION 426-S-C

HOLE No.

DEPTH

DATE

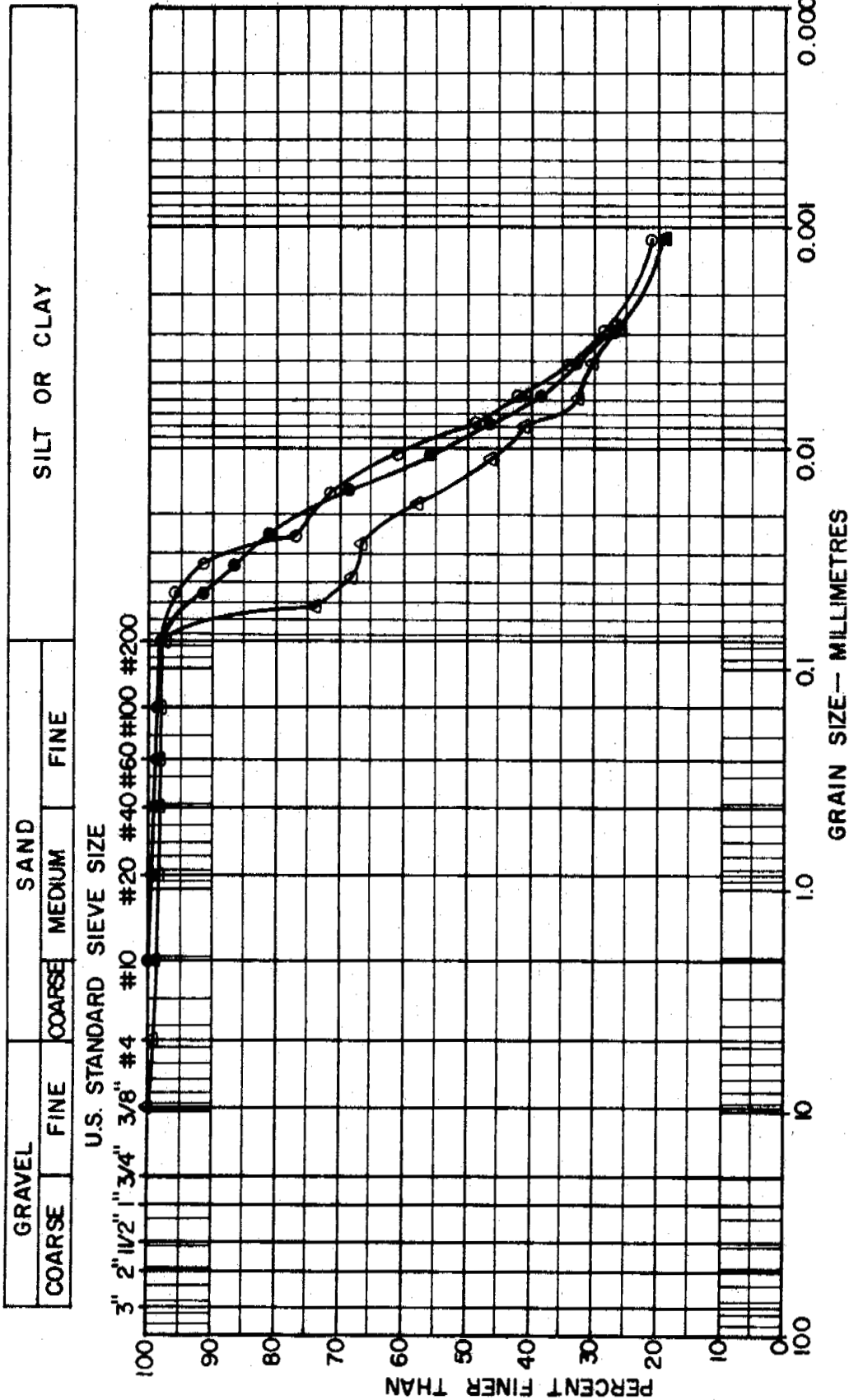
GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No.	AL0307
PROJECT	
LOCATION	426-C-E
HOLE No.	DEPTH
DATE	

GRAIN SIZE CURVE



REMARKS:

- Sample No. 8 - 17 1/2 ft.
- Sample No. 9 - 25 ft.
- △ Sample No. 10 - 30 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

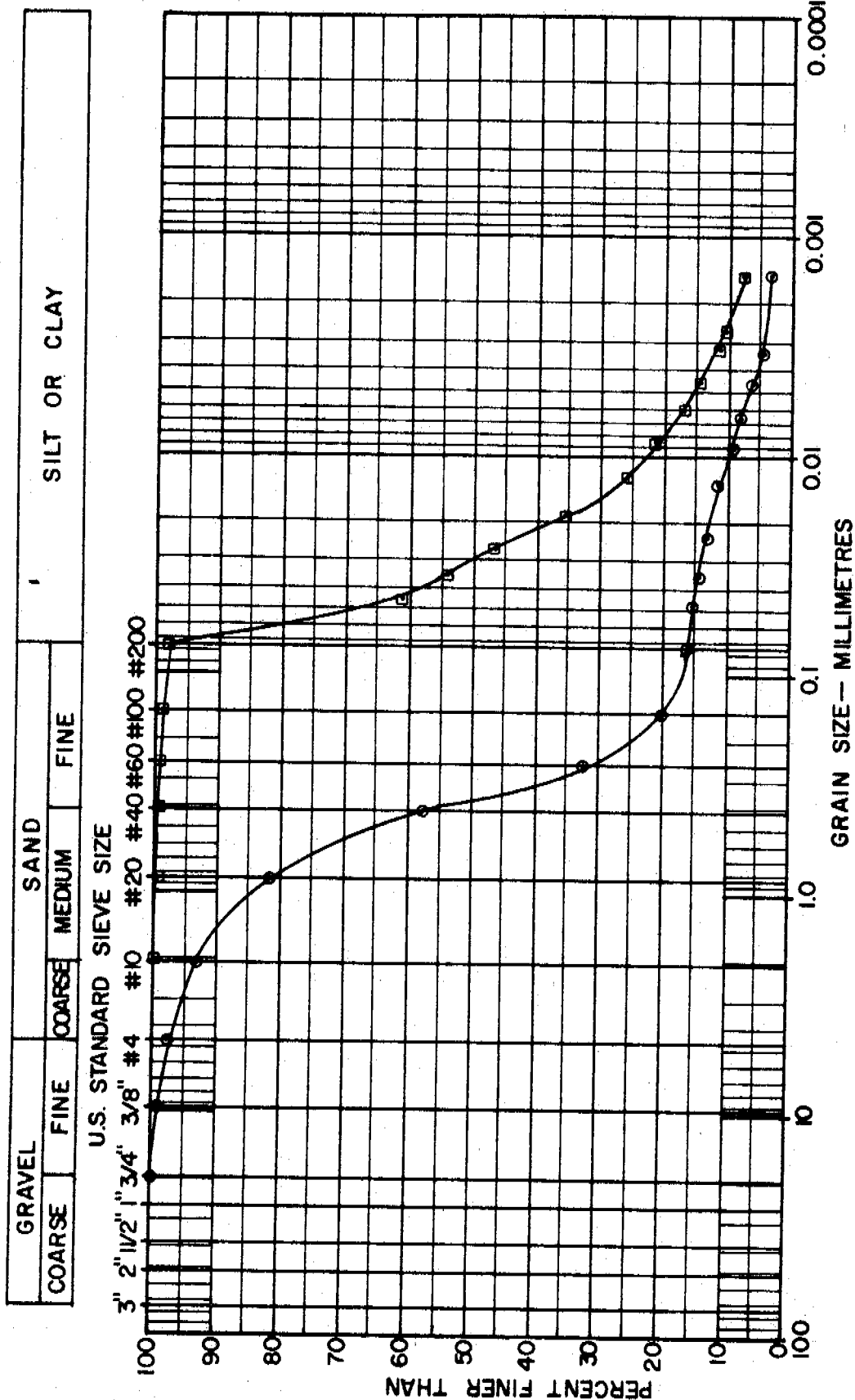
PROJECT

LOCATION 426-S-C

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 3 - 15 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

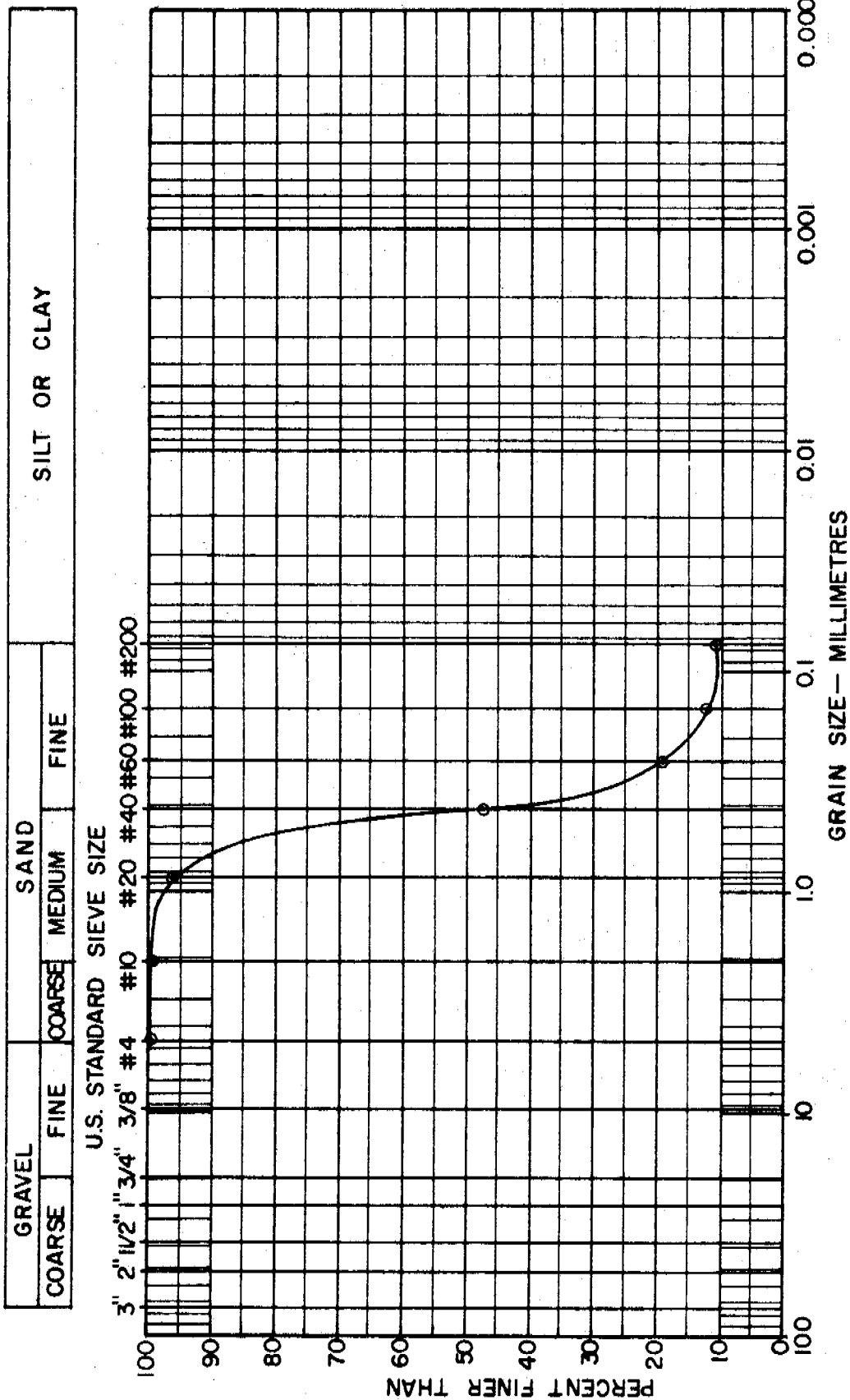
LOCATION 426-C-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ① Sample No. 1 - 5 ft.



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JOB No. AL0307

PROJECT

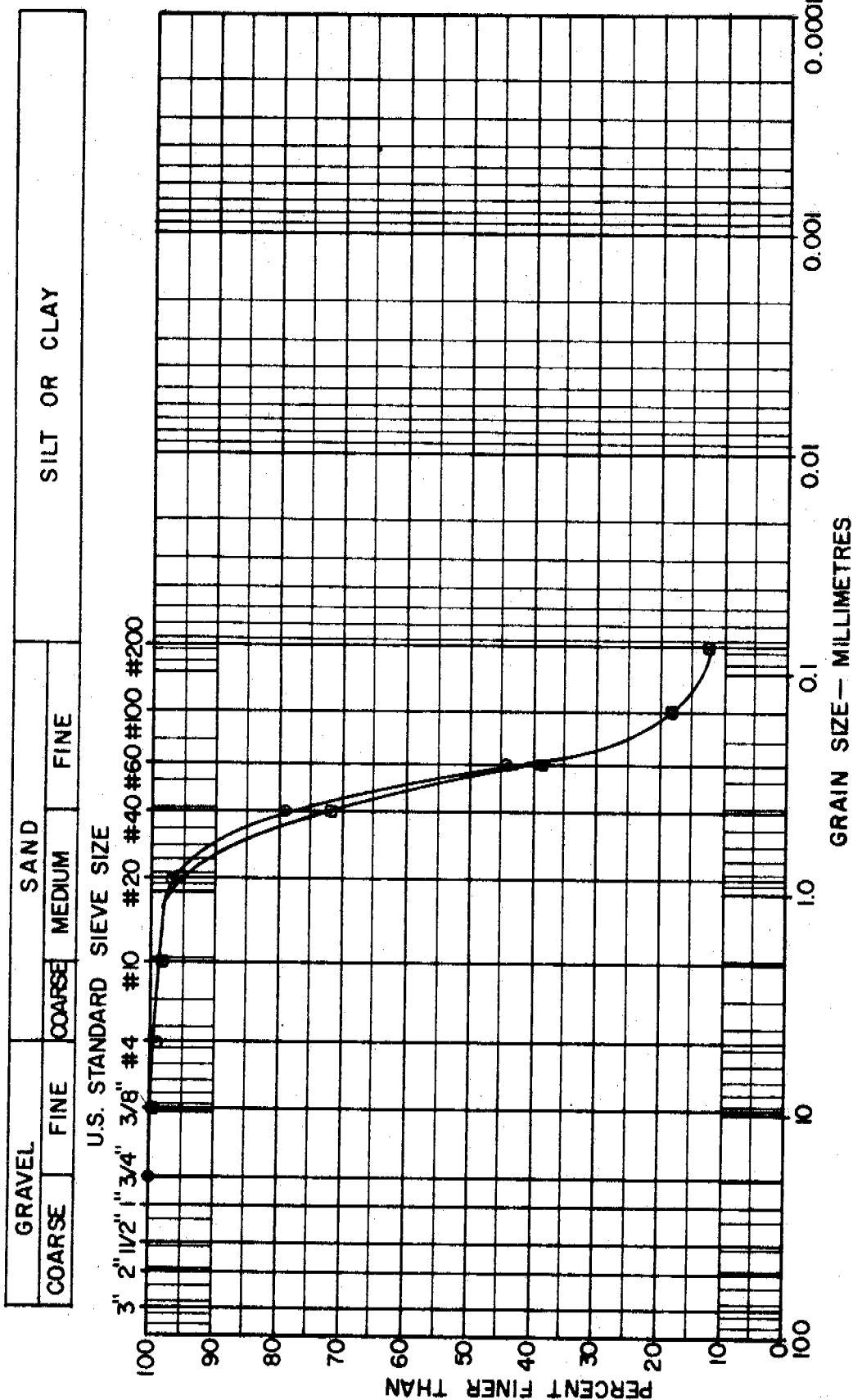
LOCATION 426-C-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 10 ft.

@ 15 ft.



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JOB No. AL0307

PROJECT

LOCATION 427-C-A

HOLE No.

DEPTH

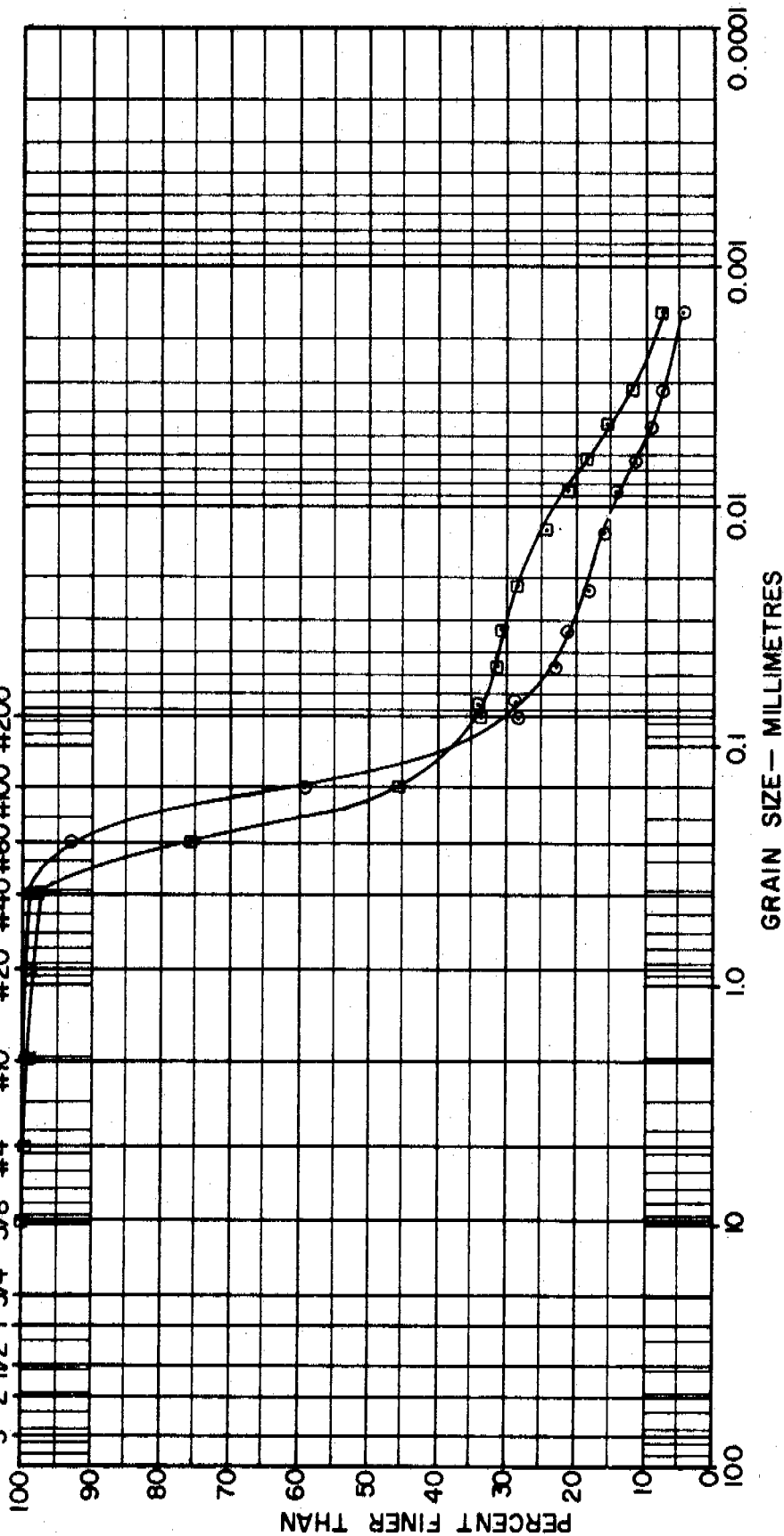
DATE

GRAIN SIZE CURVE

GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 1 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 4 - 20 ft.



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JOB No. AL0307

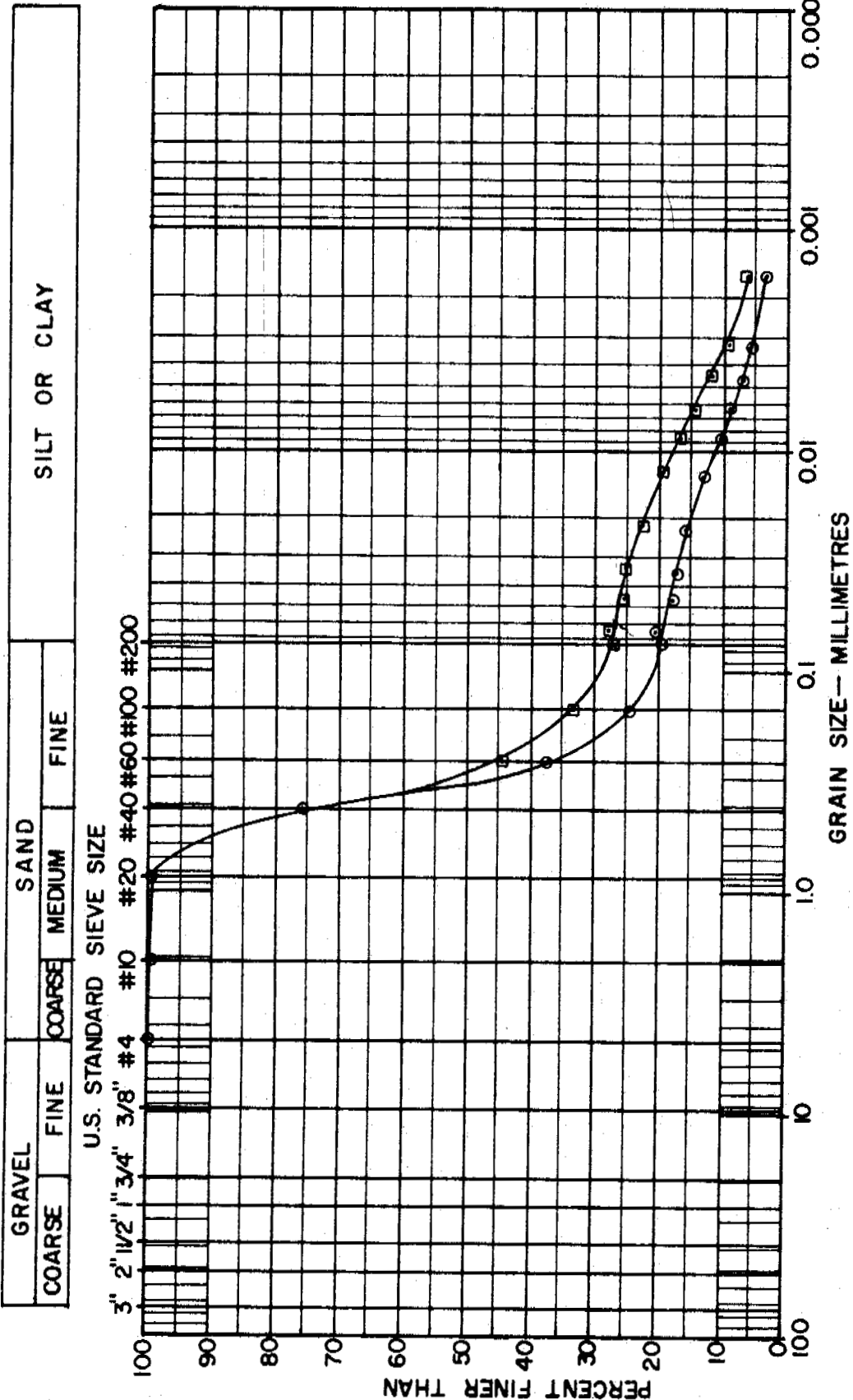
PROJECT

LOCATION 427-C-C

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Sample No. 5 - 25 ft.



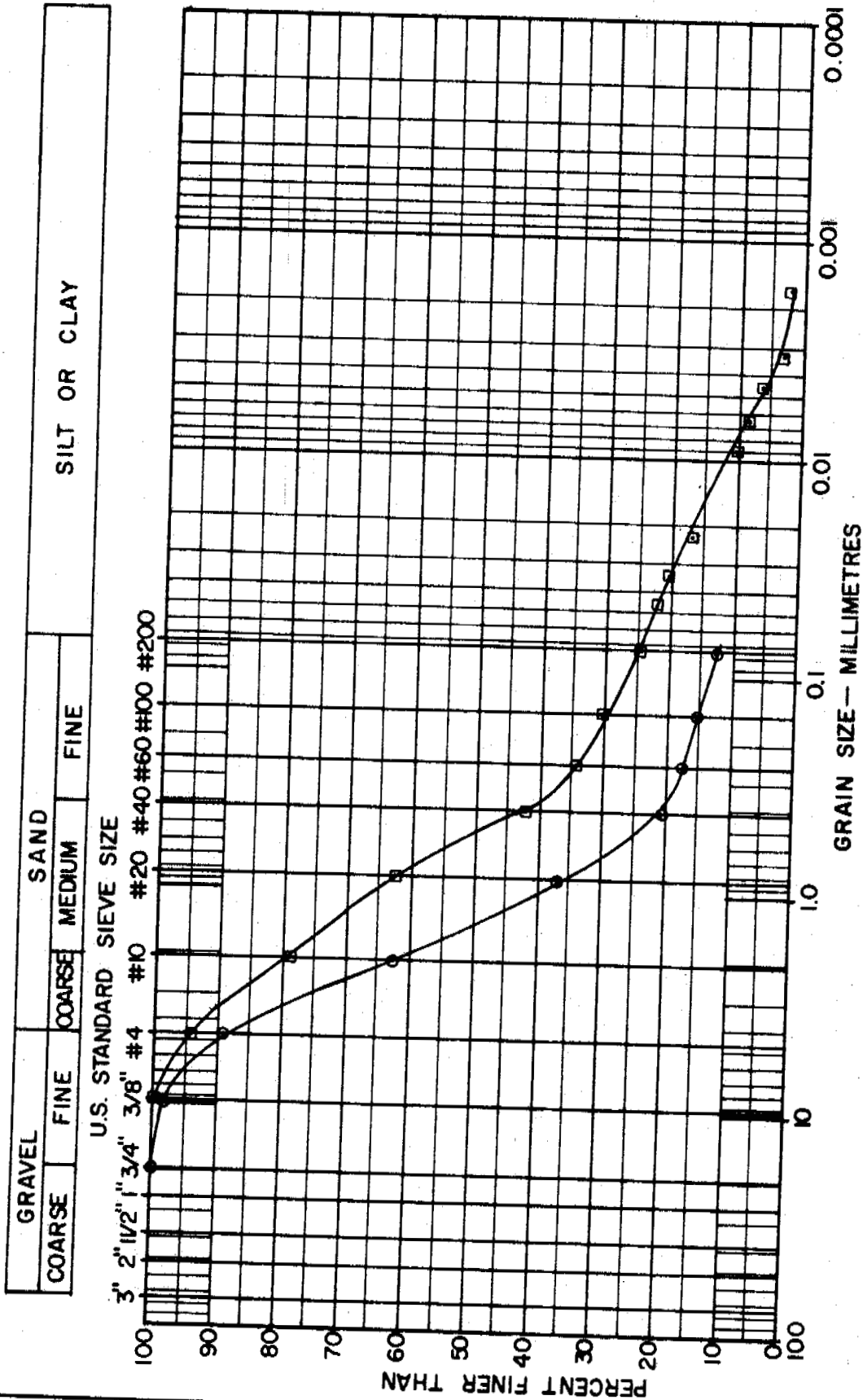
PROJECT

HOLE No.

DATE _____

DEPTH

GRAIN SIZE CURVE



REMARKS: 5 ft.

10 ft.



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JOB No. AL0307

PROJECT

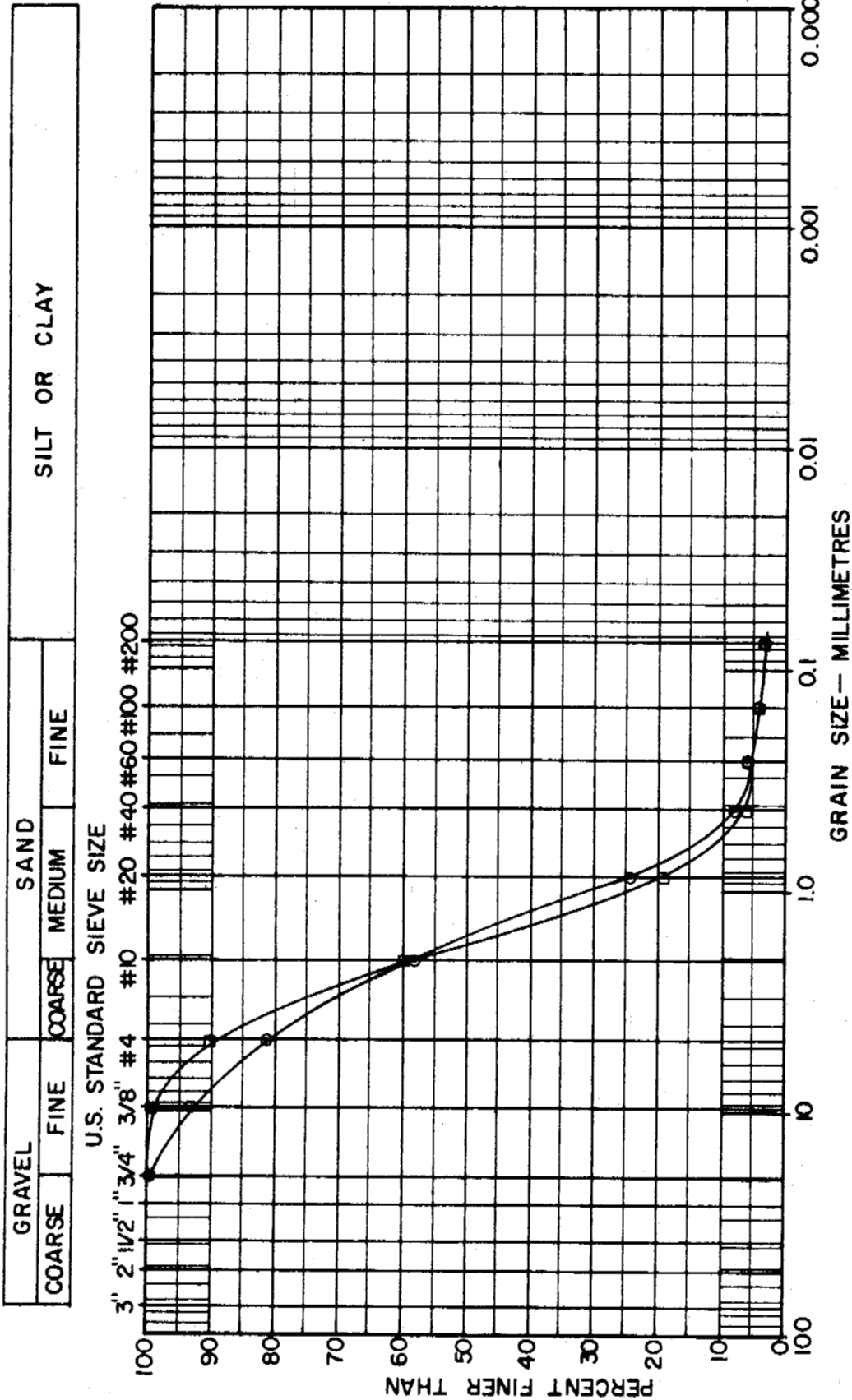
LOCATION 428-C-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ 5 ft
@ 10 ft.



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JOB No. AL0307

PROJECT

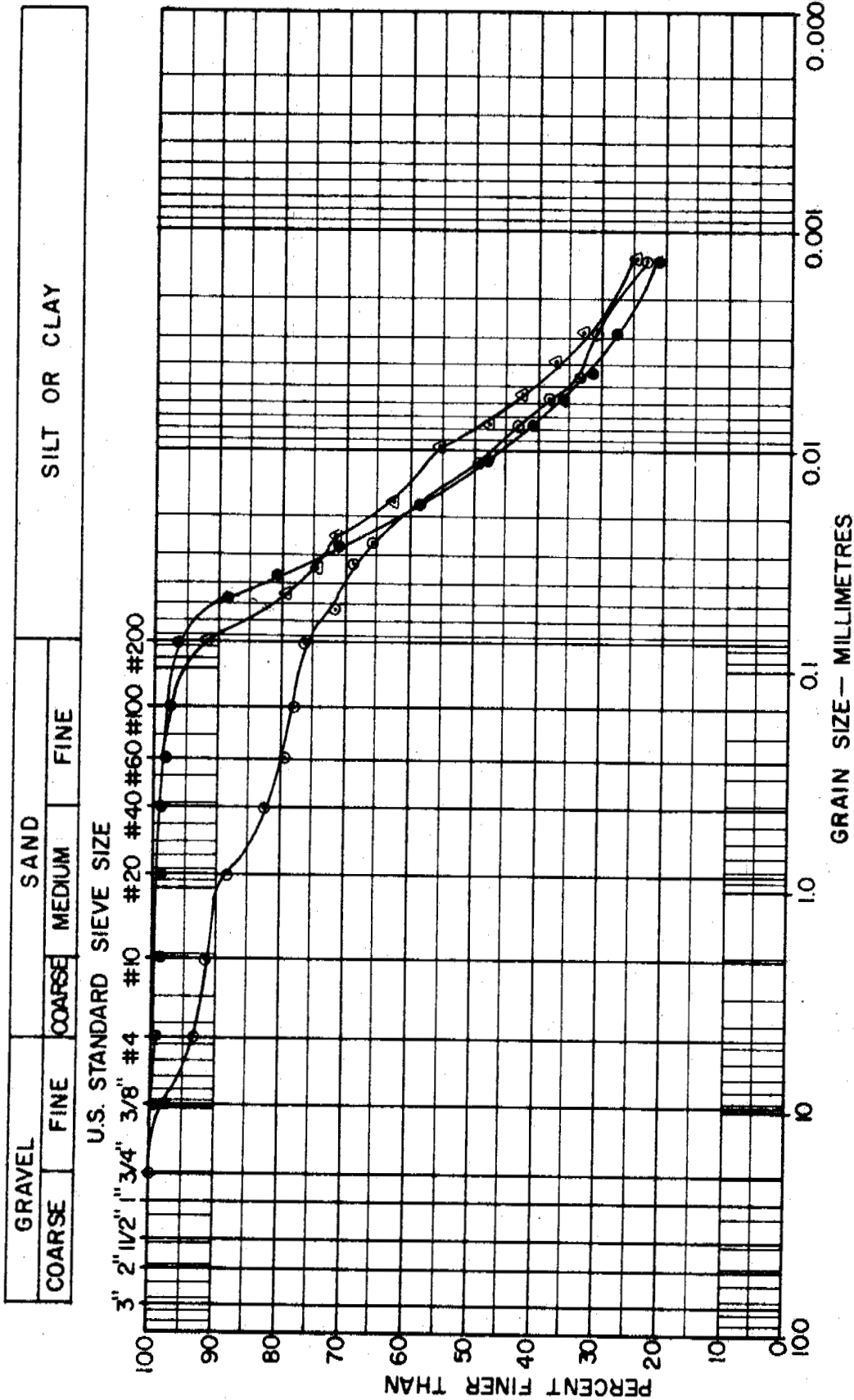
LOCATION 428-C-E

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 4 ft.

● Sample No. 3 - 11 ft.



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JOB No. AL0307

PROJECT

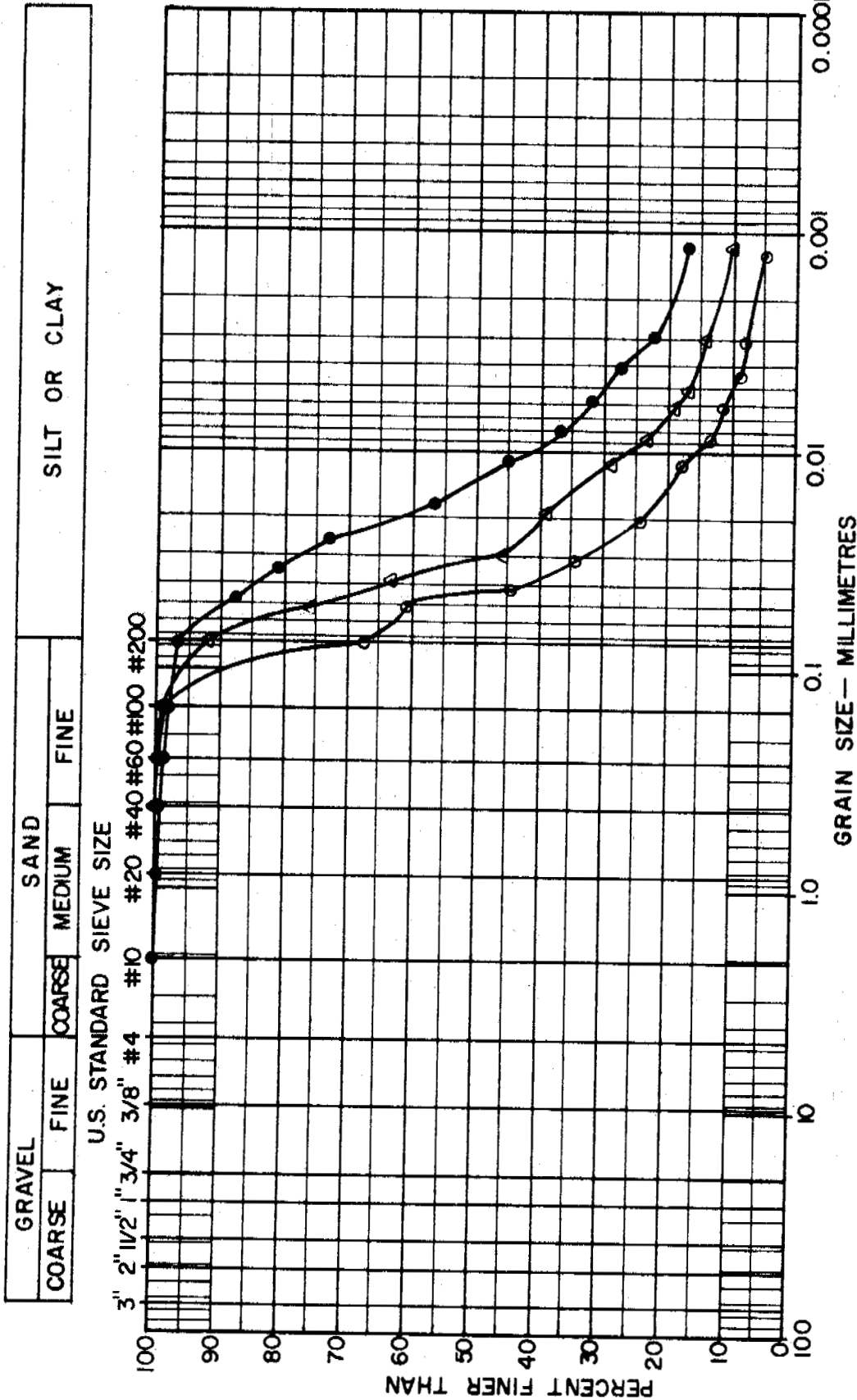
LOCATION 429-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS:

- - 5 1/2 ft.
- - 14 1/2 ft.
- △ - 20 ft.



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JOB No. AL0307

PROJECT

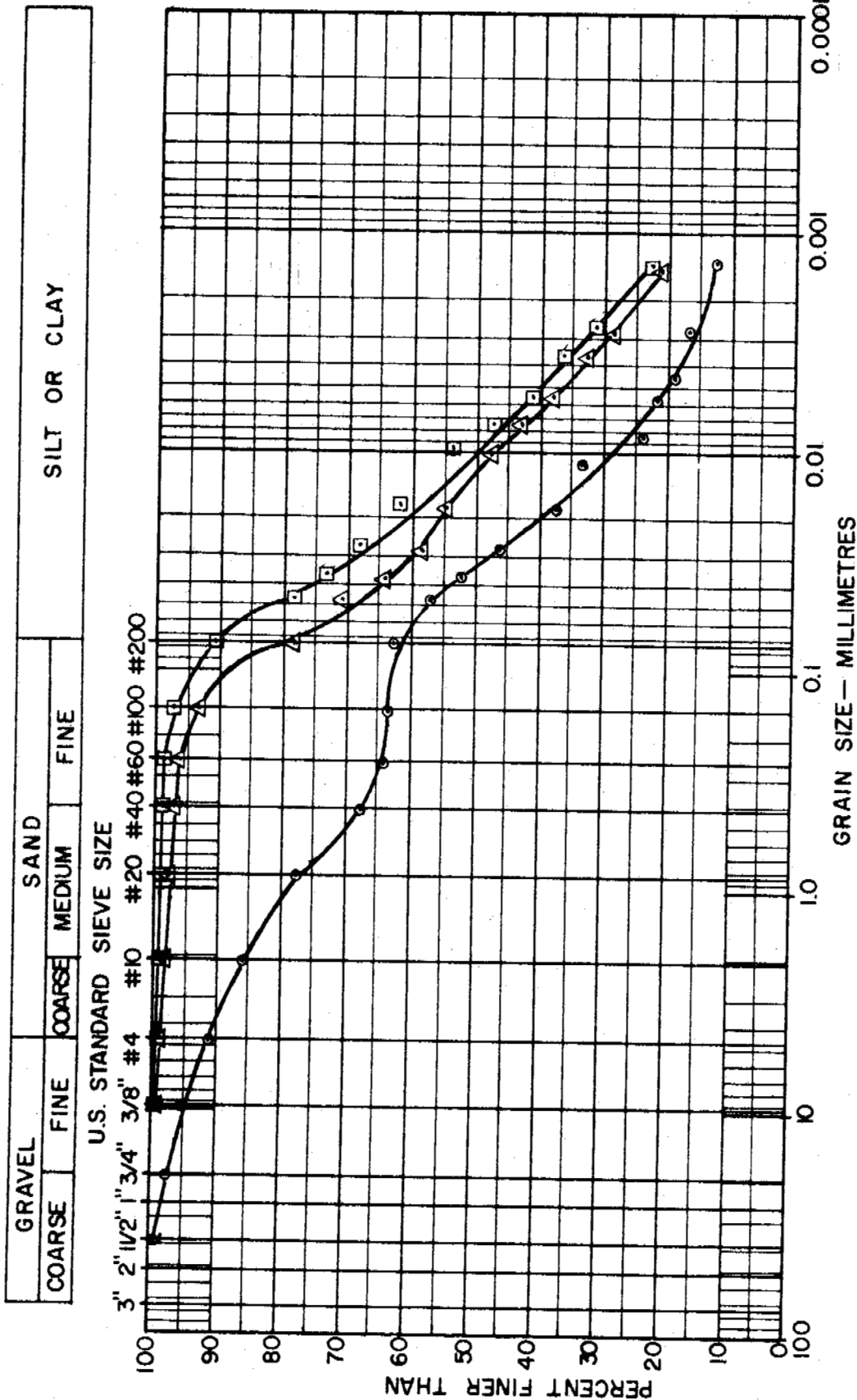
LOCATION 429-S-B

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 3 - 9 ft.

△ Sample No. 5 - 15 ft.



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JOB No. AL0307

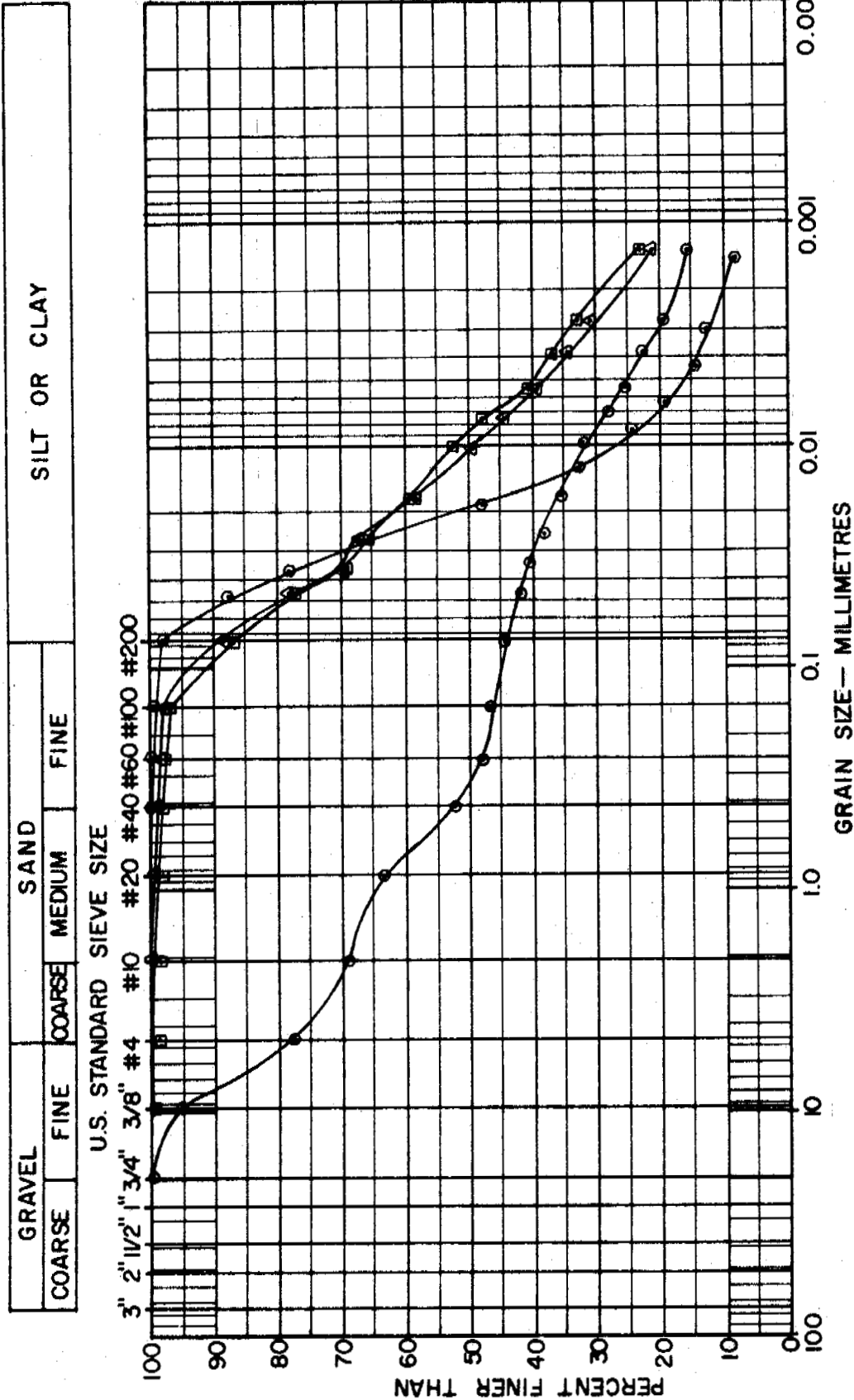
PROJECT

LOCATION 429-S-C

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.

☐ Sample No. 3 - 15 ft.

☐ Sample No. 4 - 18 ft.



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JOB No. AL0307

PROJECT

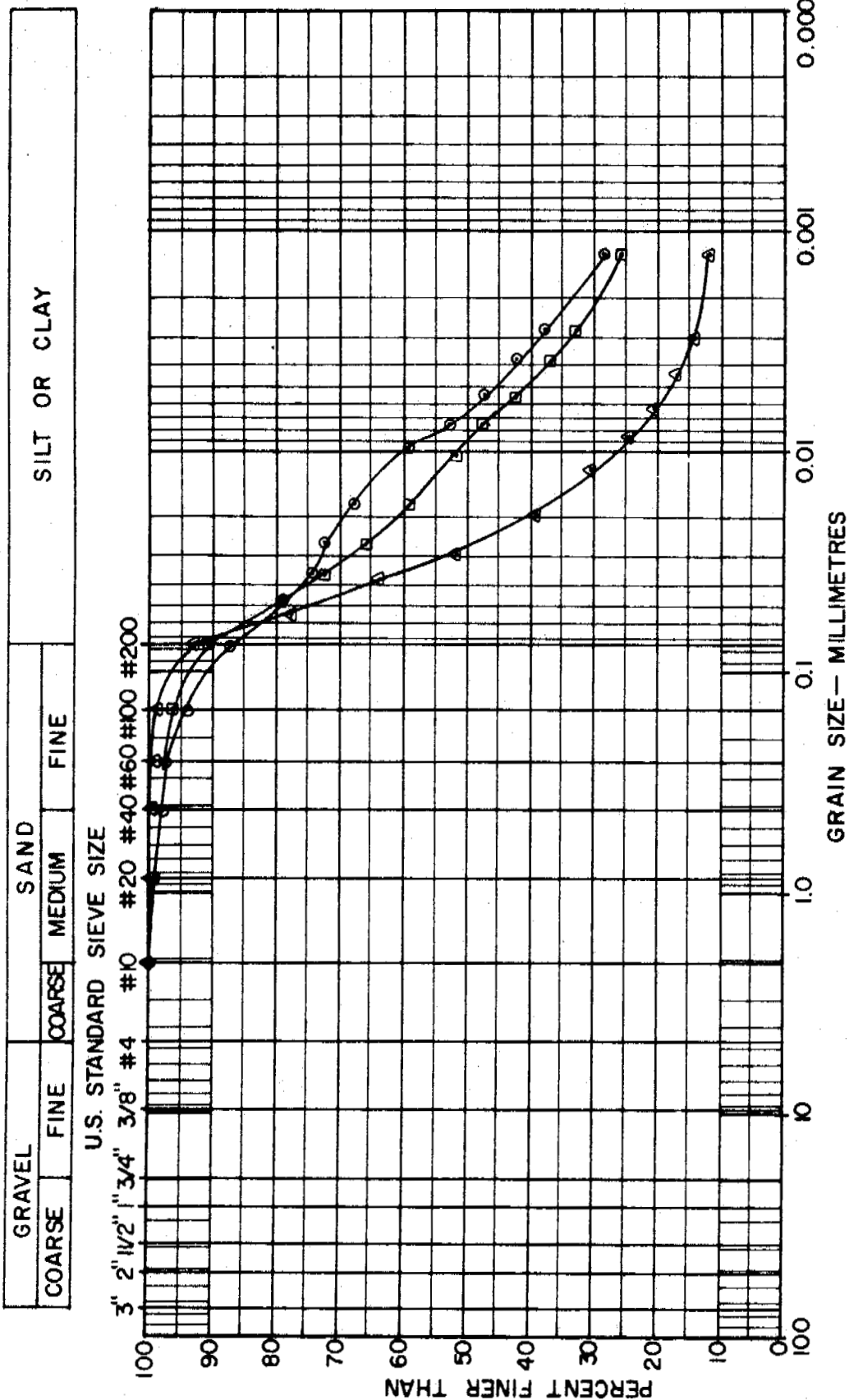
LOCATION 429-S-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: © Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.



JOB No. AL0307

PROJECT

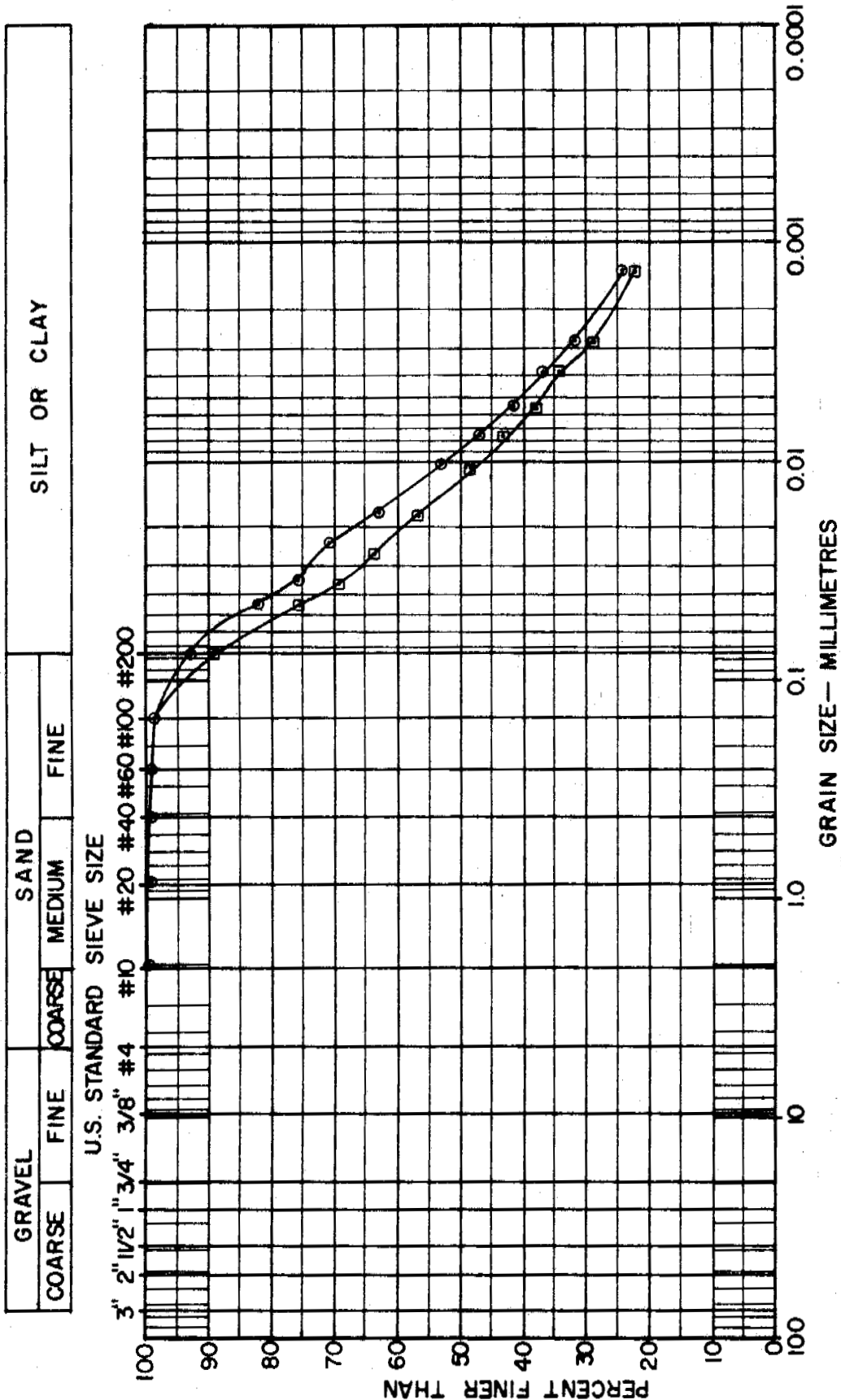
LOCATION 429-S-E

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ - 15 ft.

□ - 20 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

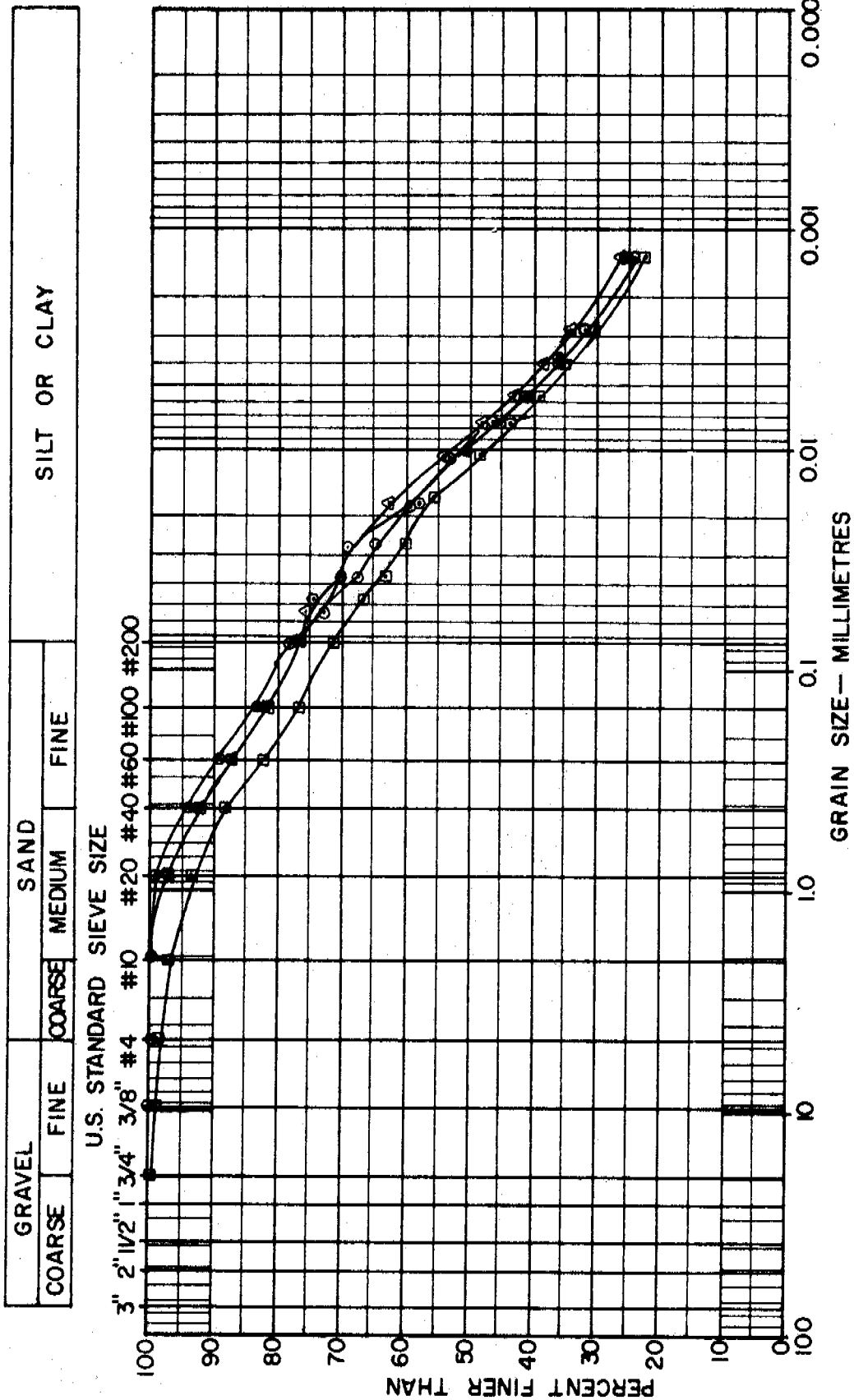
PROJECT

LOCATION 429-S-E

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 15 ft. - 16 1/2 ft.

□ Sample No. 1 - 15 ft.

△ Sample No. 2 - 22 ft. - 23 1/2 ft.

○ Sample No. 3 - 30 ft. - 31 1/2 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

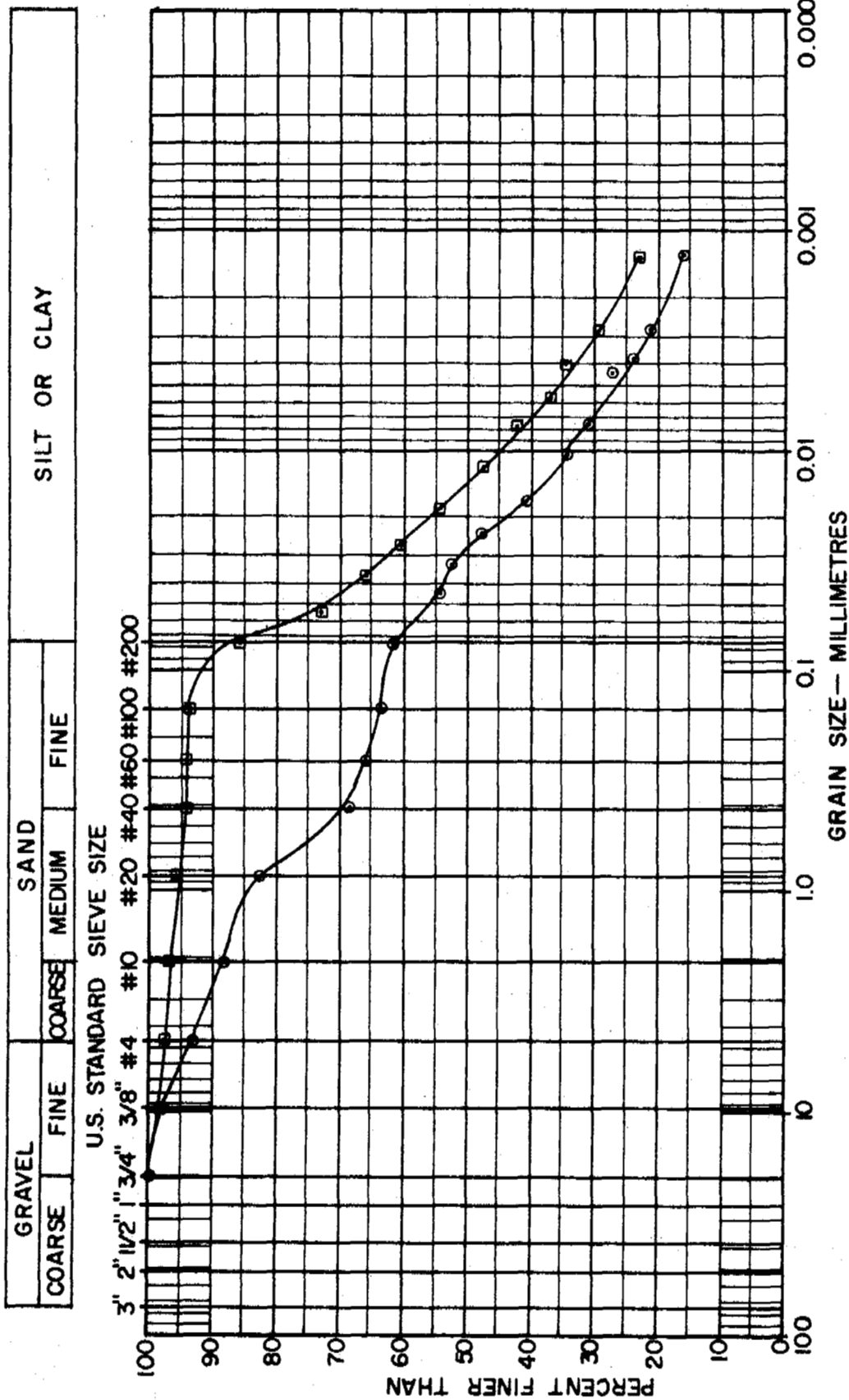
LOCATION 429-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

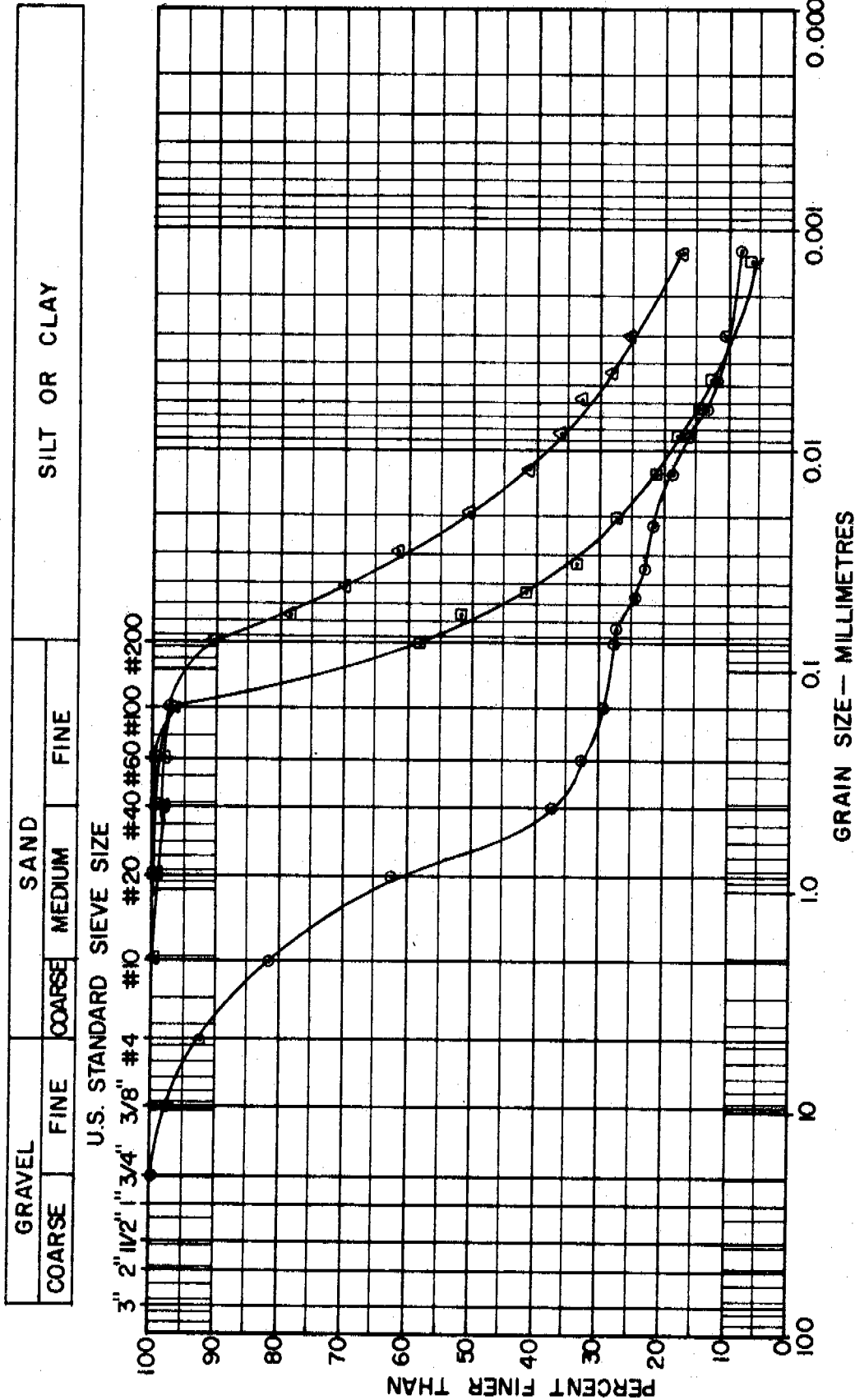
LOCATION 429-S-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ - 5 ft.

□ - 10 ft.

△ 13 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

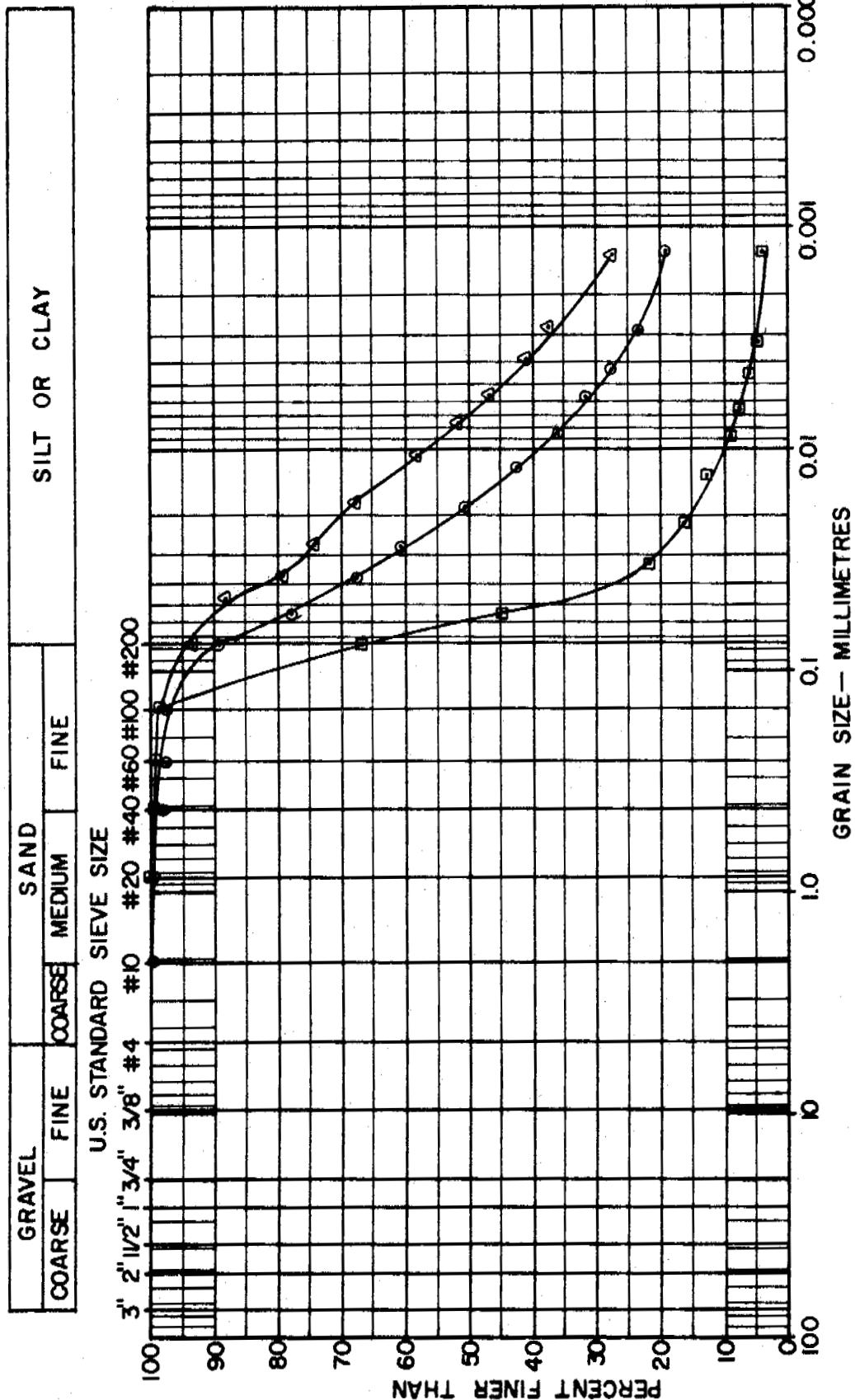
LOCATION 429-S-K

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ 13 ft.

□ 15 ft.

△ 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

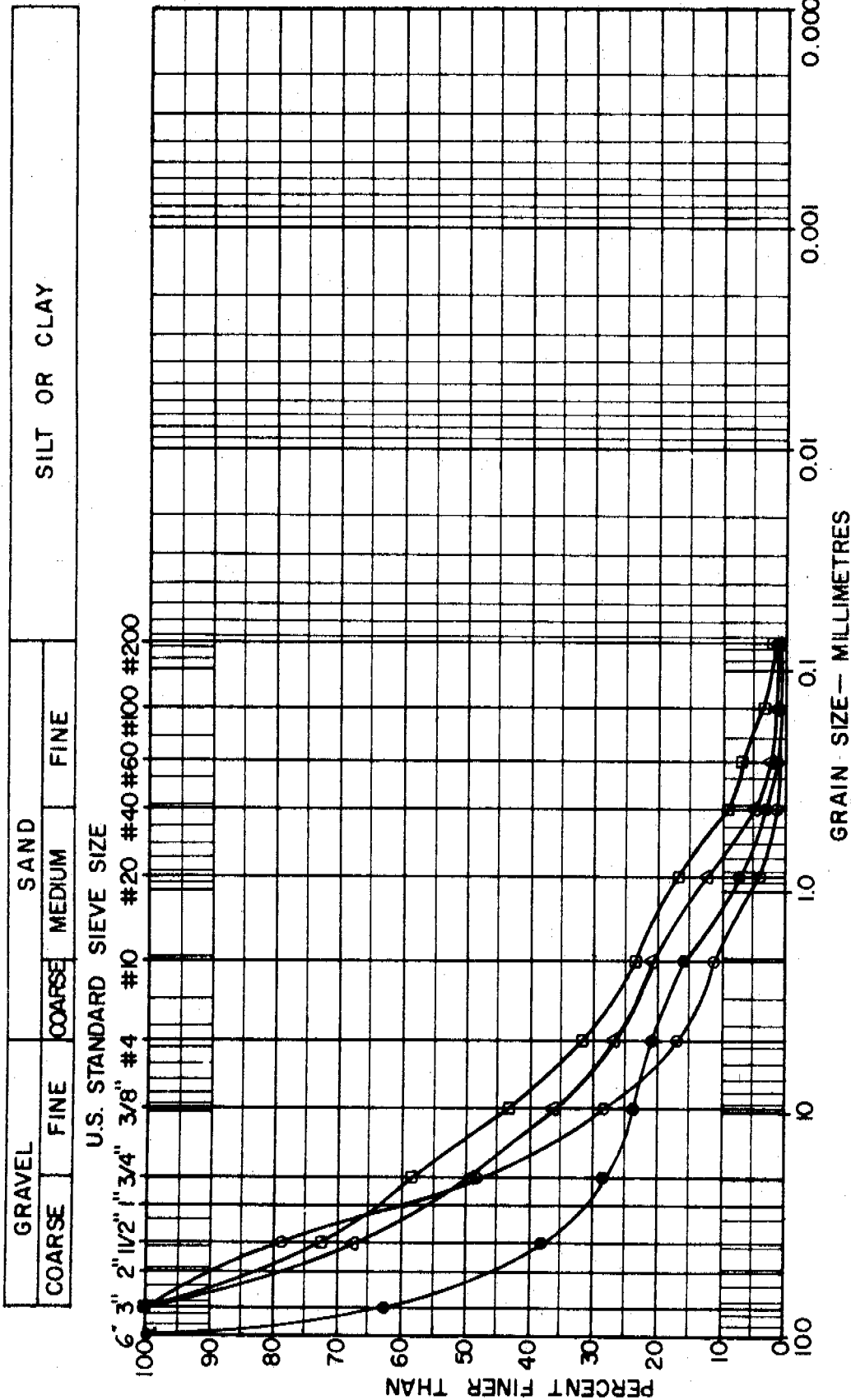
LOCATION 429-S-K

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ● Sample No. 1 - 5 ft.

○ Sample No. 2 - 10 ft.

△ Sample No. 4 - 50 ft. on trench line

□ Sample No. 5 - 100 ft. down trench line



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JOB No. AL0307

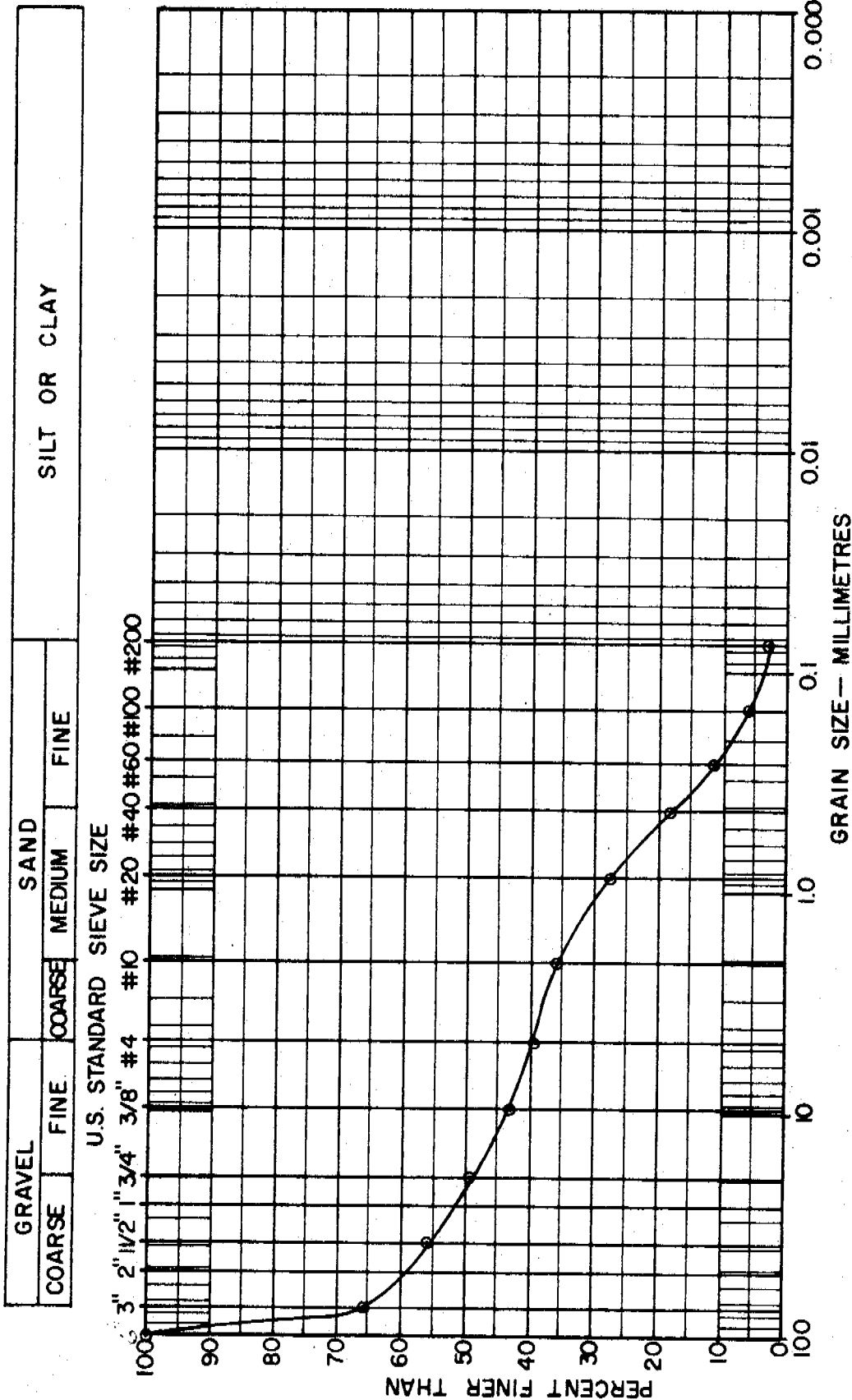
PROJECT

LOCATION 429-C-T-1

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: o Sample WO 3 - 16 Ft.



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JOB No. AL0307

PROJECT

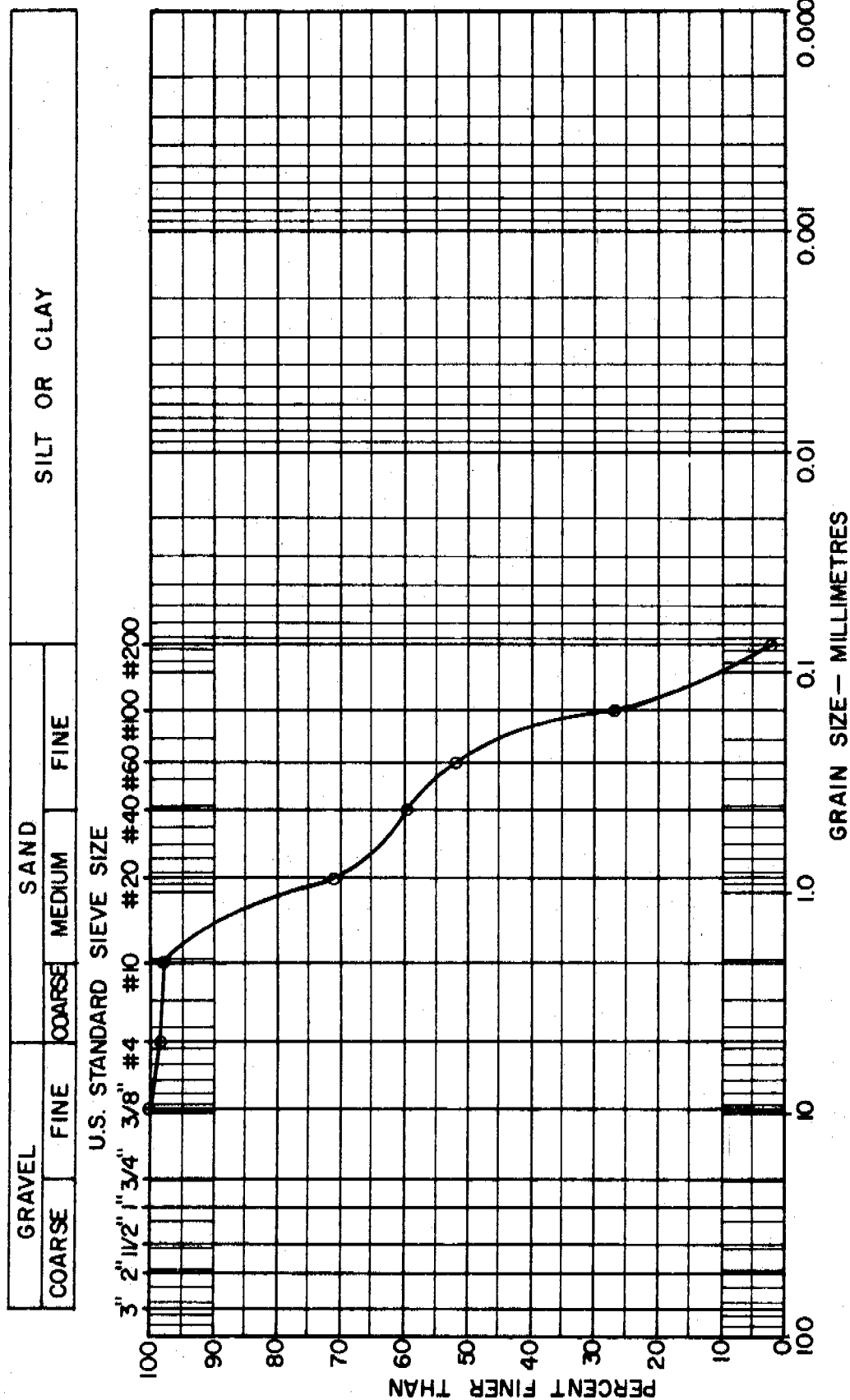
LOCATION 429-C-T-1

HOLE No.

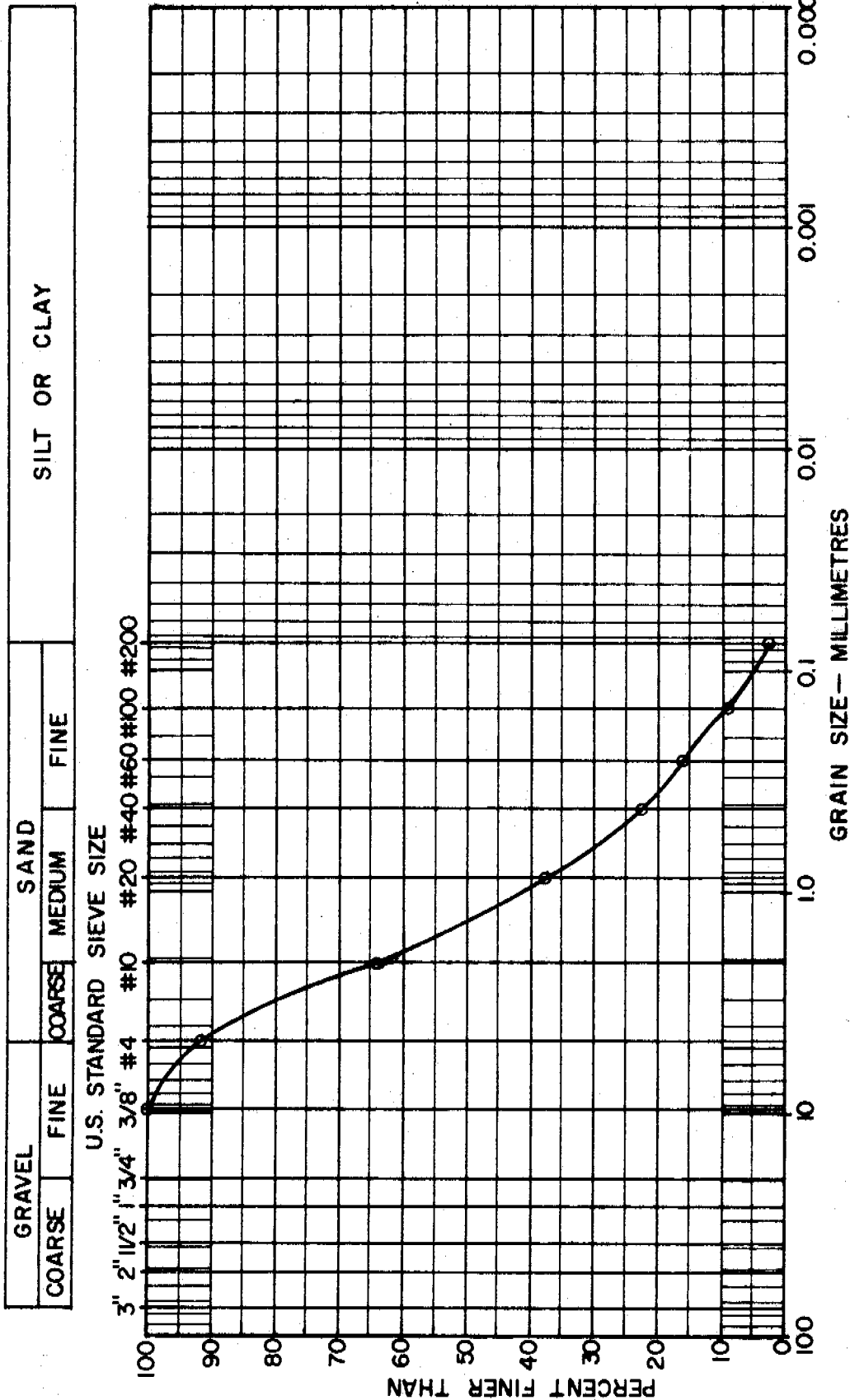
DEPTH

DATE

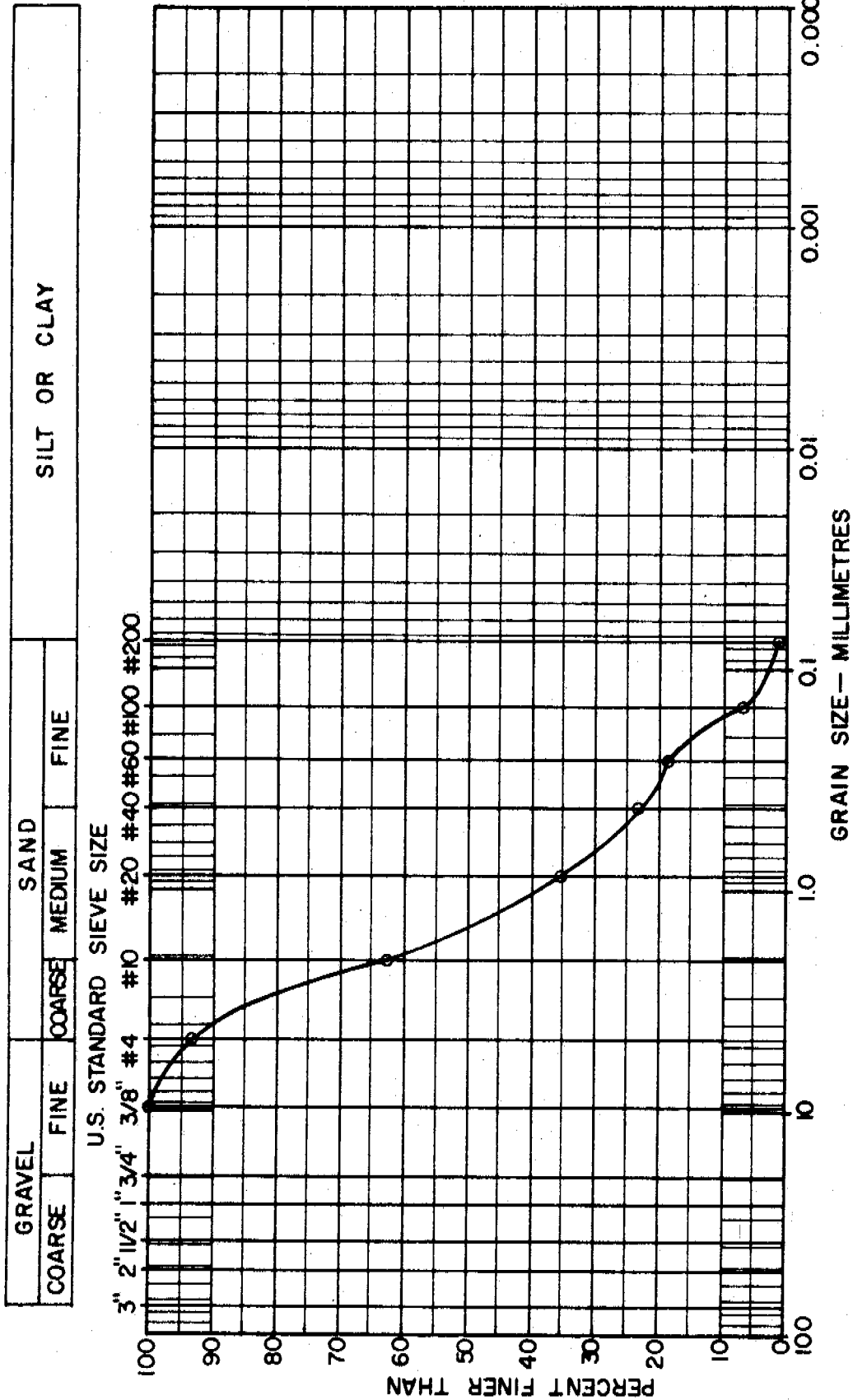
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 2 - 8 ft.



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JOB No. AL0307

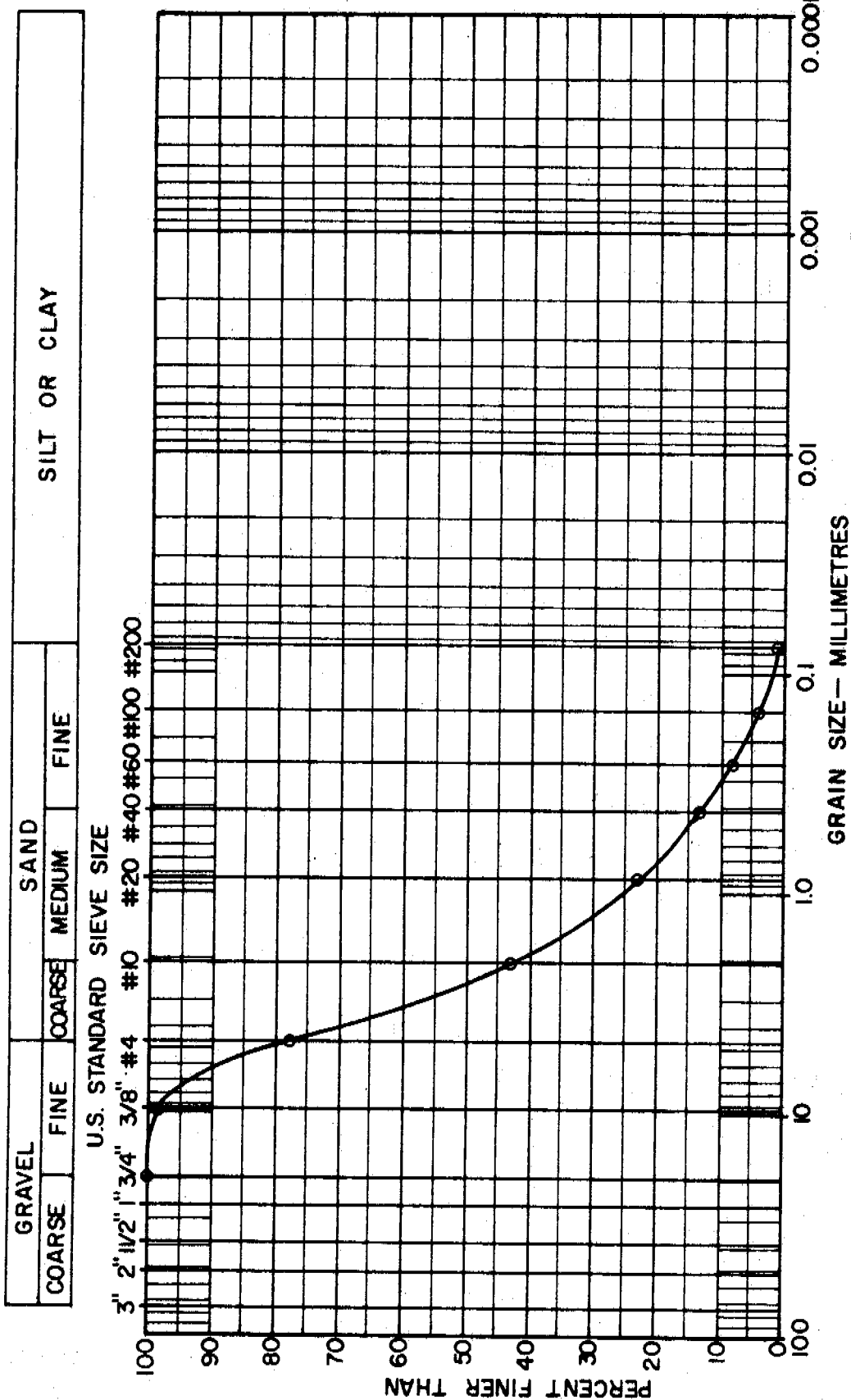
PROJECT

LOCATION 431-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 1 - 5 ft.

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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

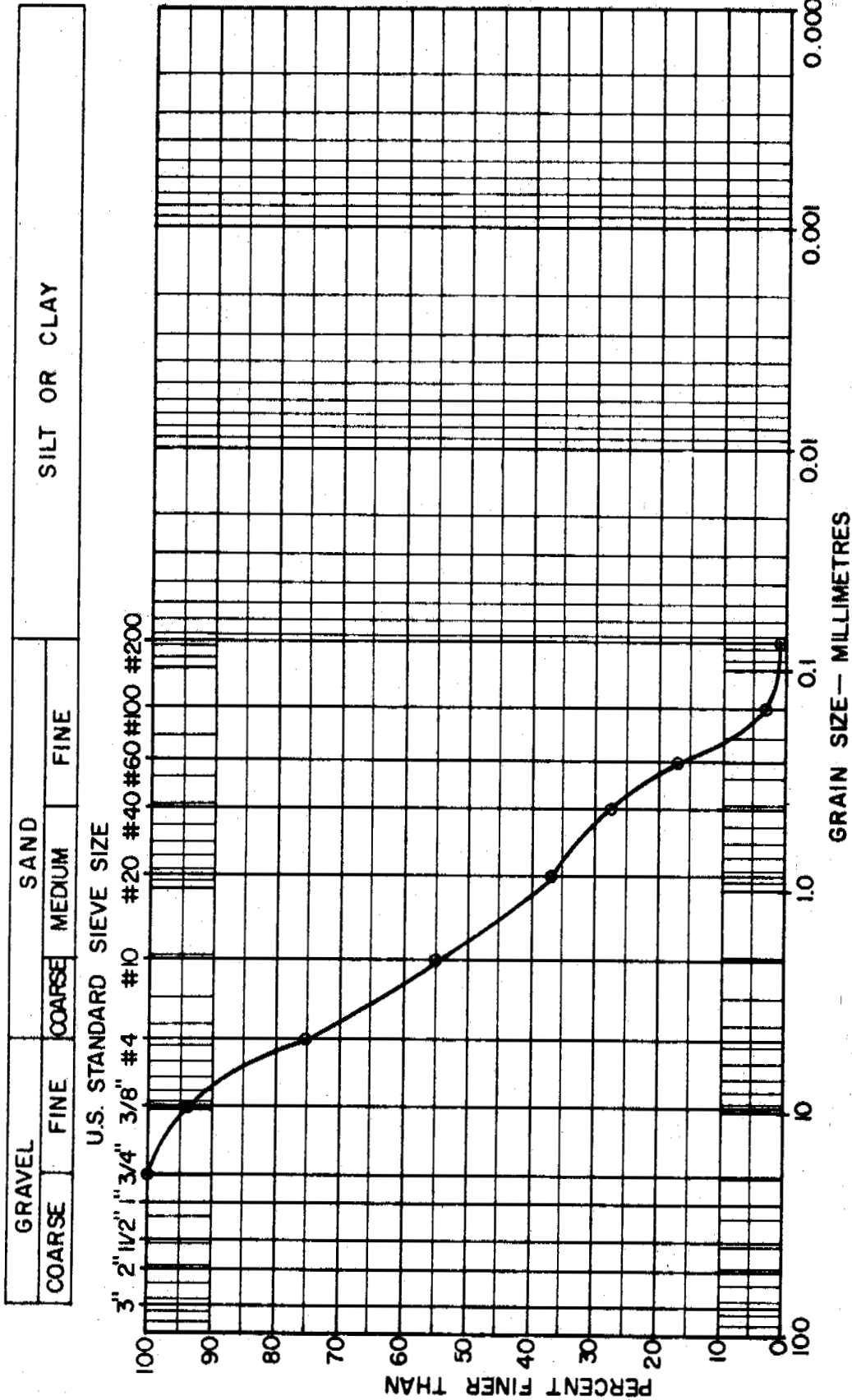
LOCATION 431-C-B

HOLE No.

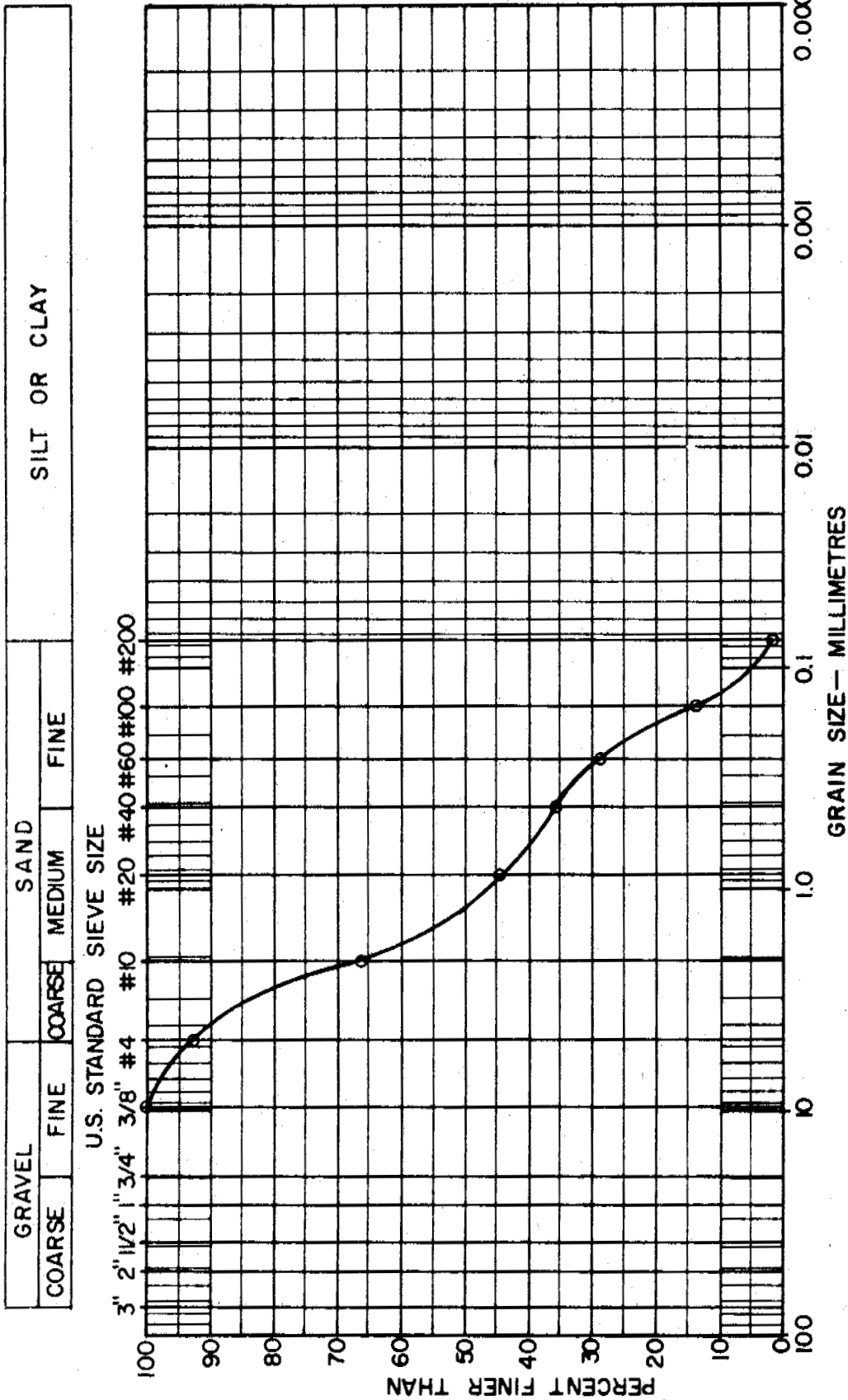
DEPTH

DATE _____

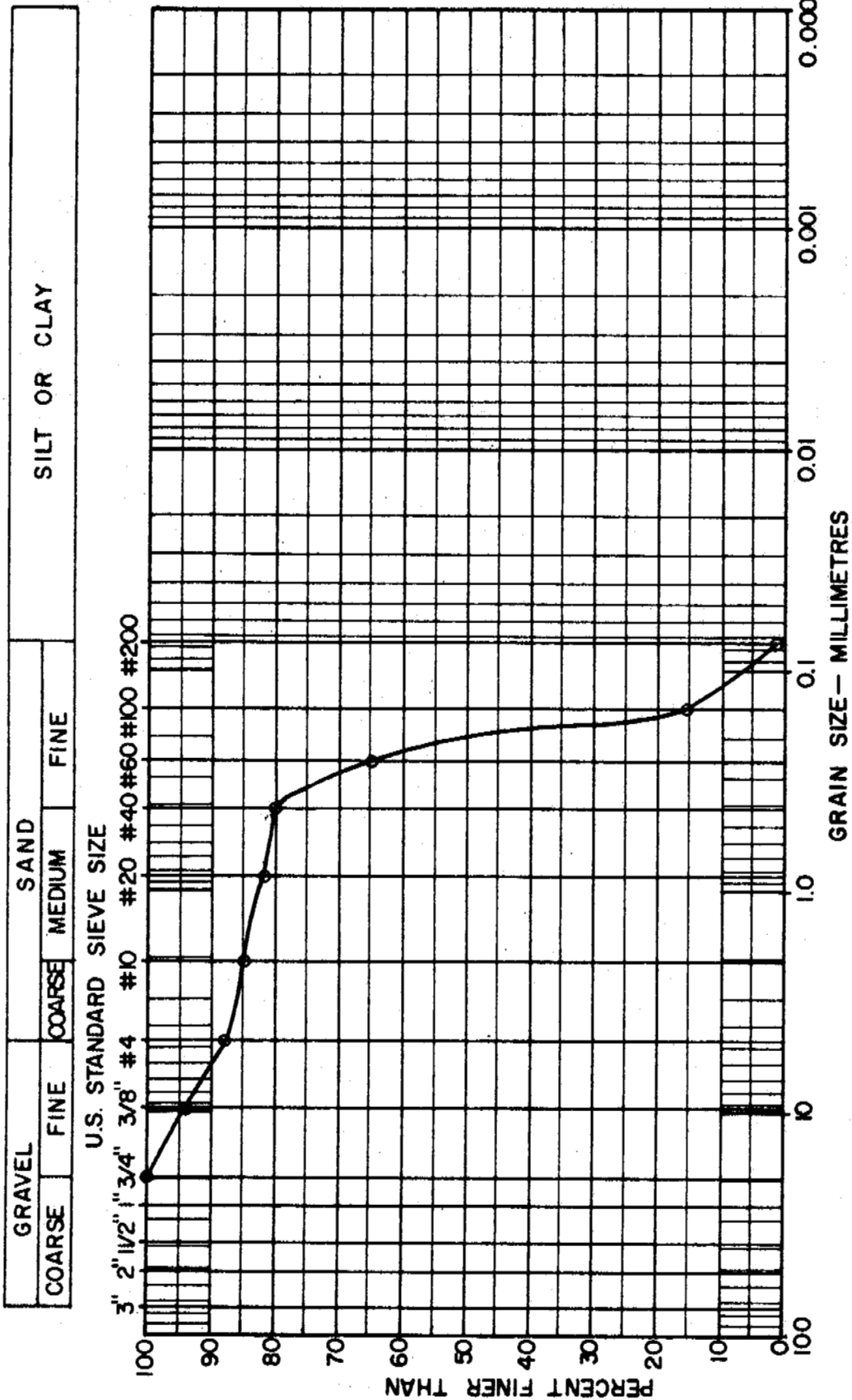
GRAIN SIZE CURVE



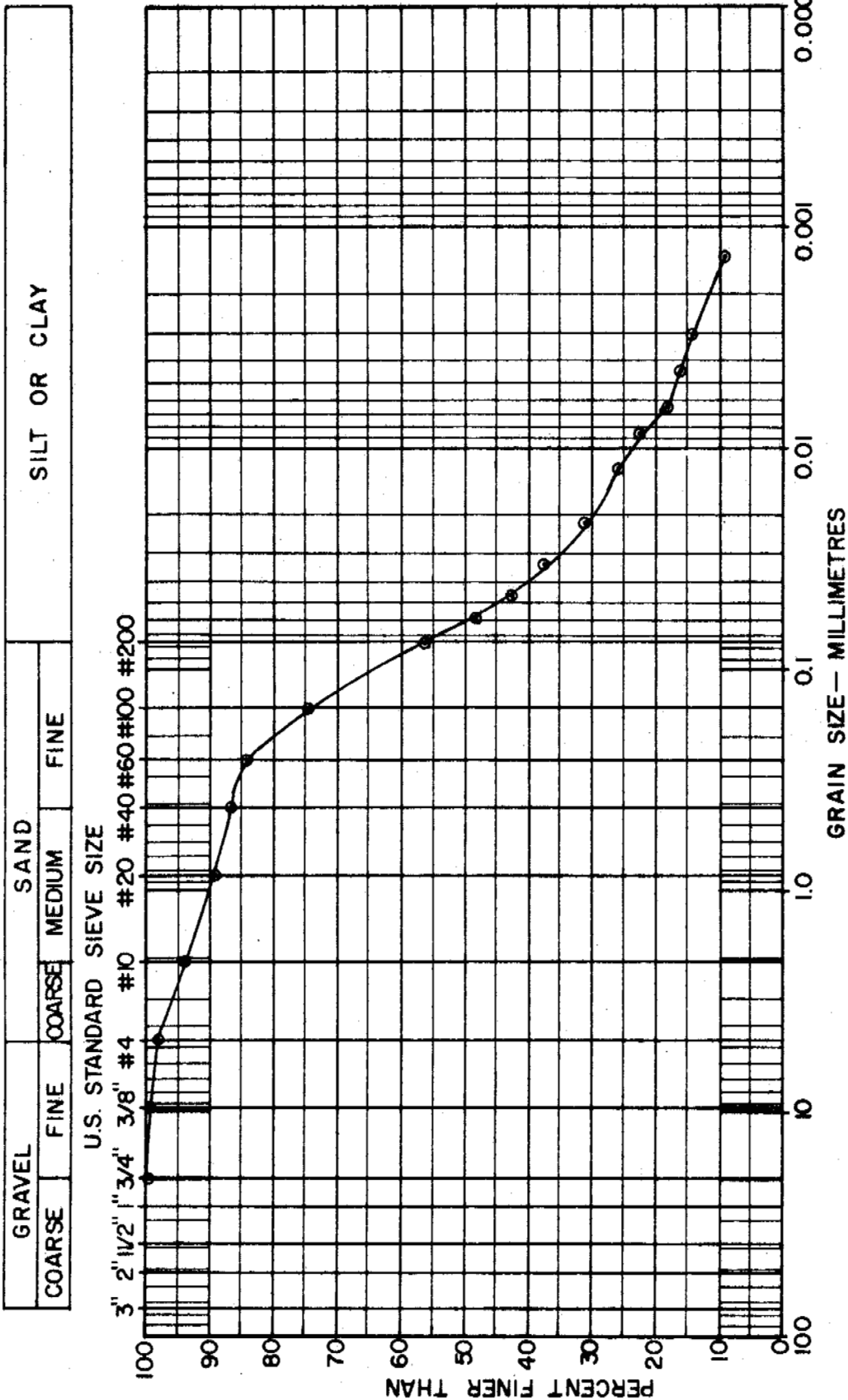
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.



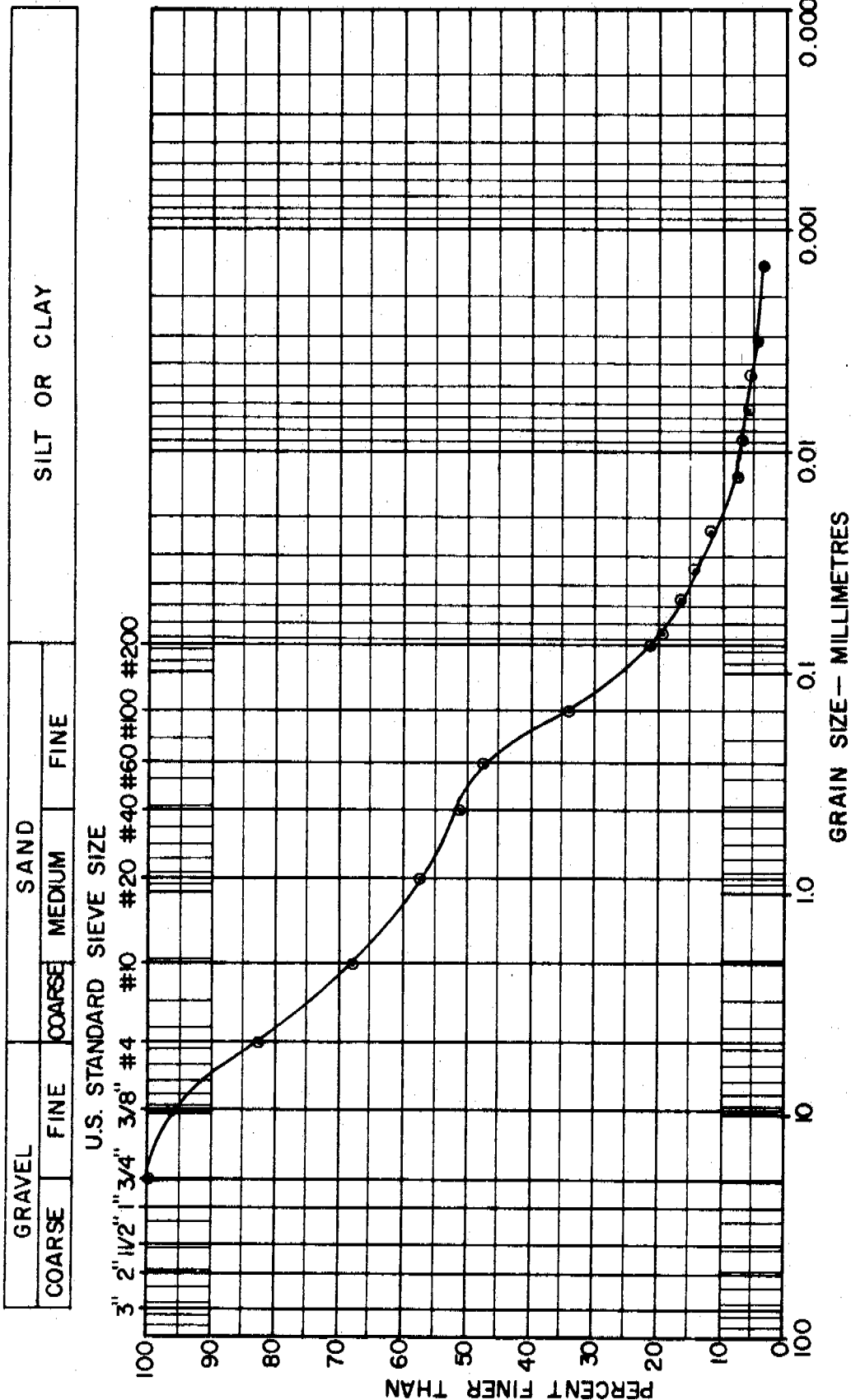
PROJECT

HOLE No.

DEPTH

DATE _____

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

LOCATION 431-C-F

HOLE No.

DEPTH

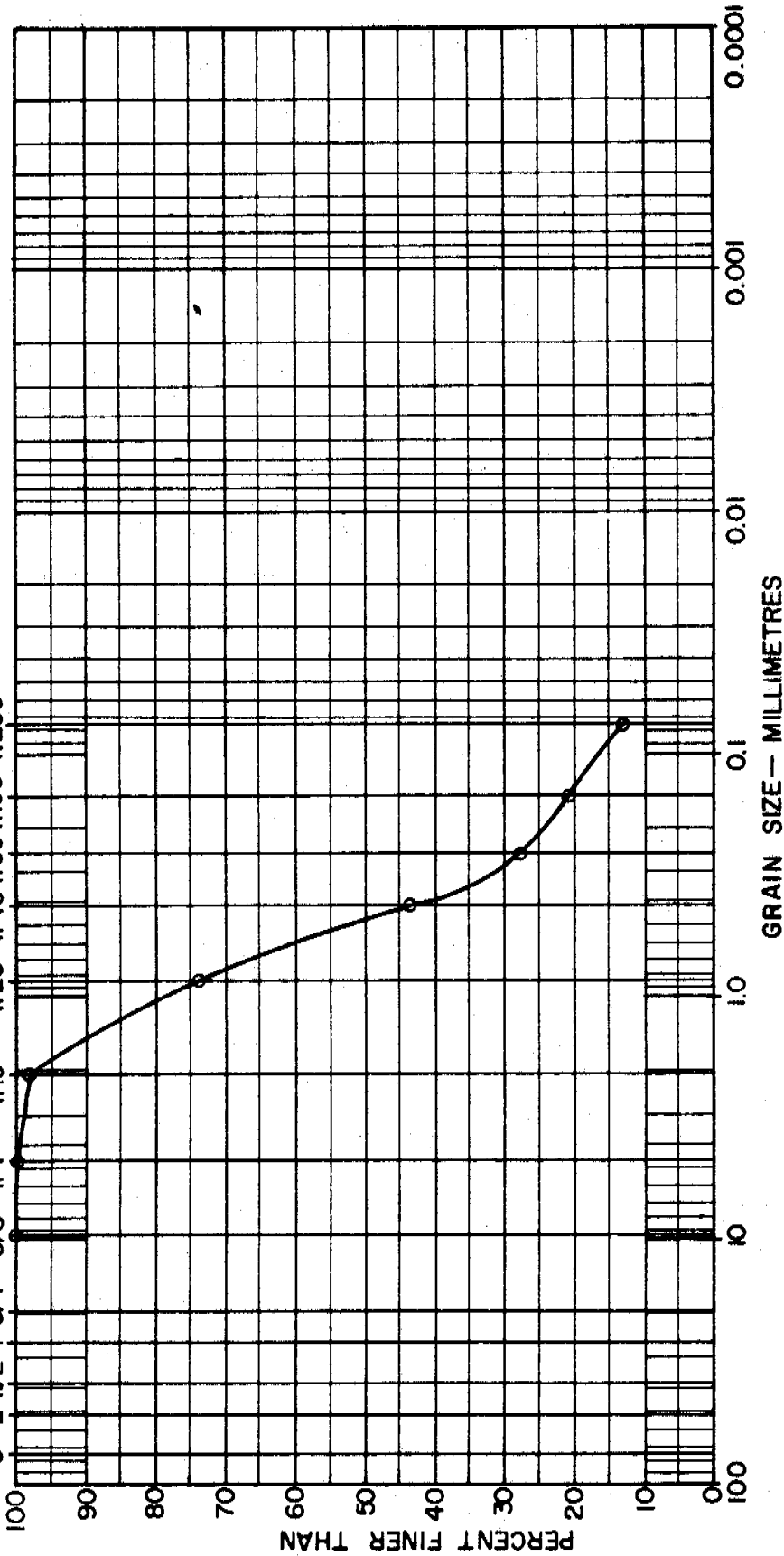
DATE

GRAIN SIZE CURVE

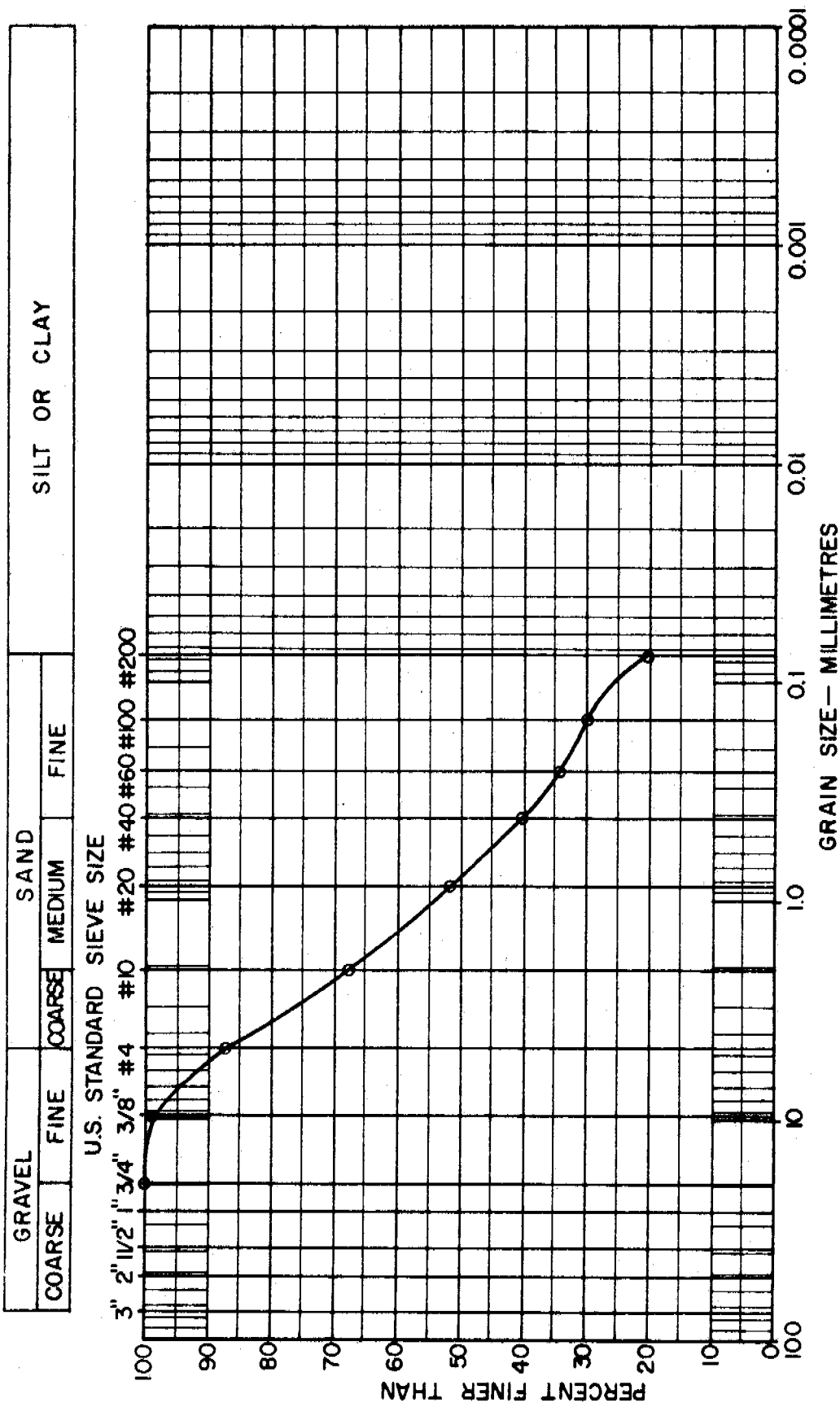
GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 1 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



GRAIN SIZE CURVE



REMARKS: ① Sample No. 1 - 5 ft.



JOB No. AL0307

PROJECT

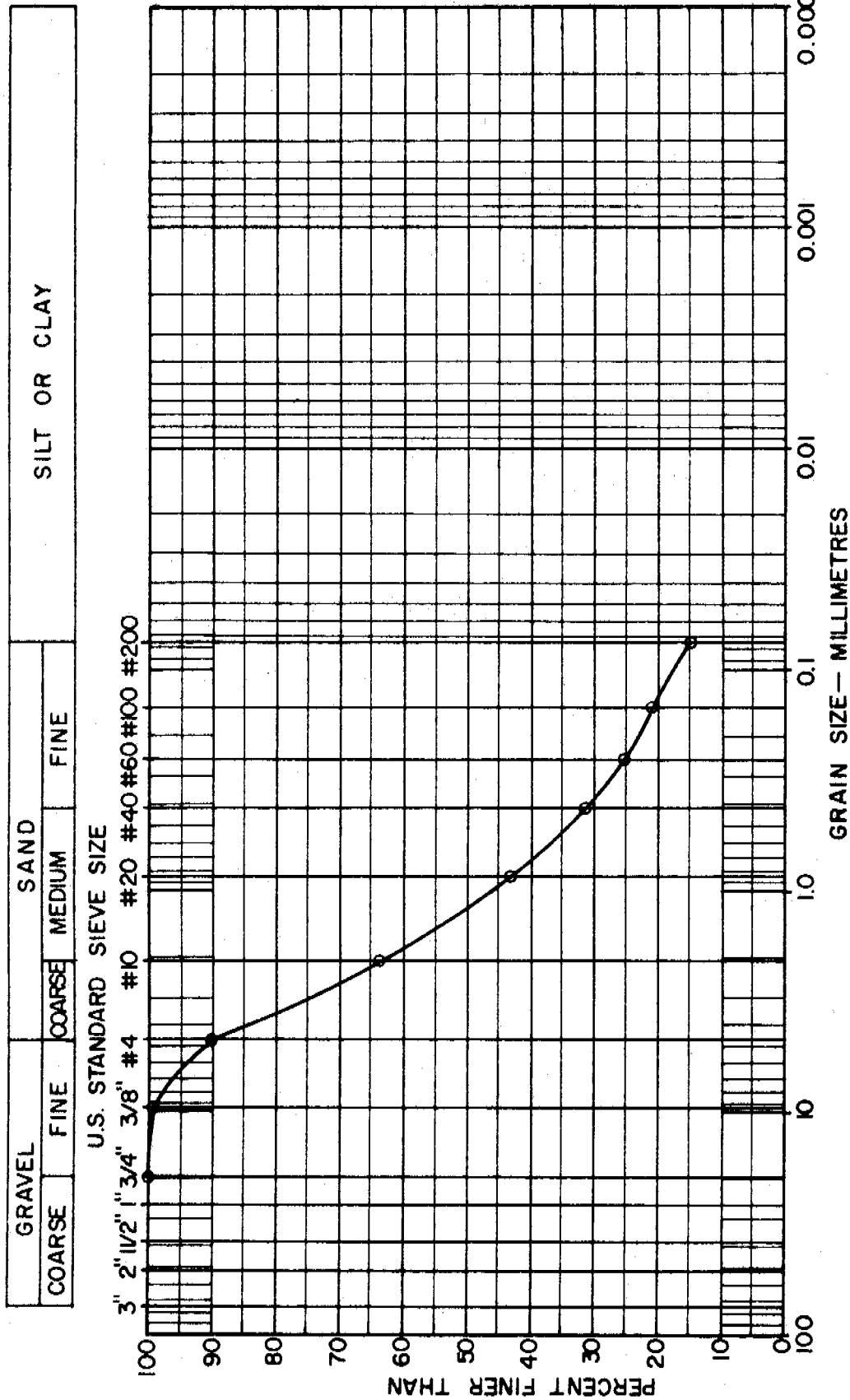
LOCATION 432-C-B

HOLE No.

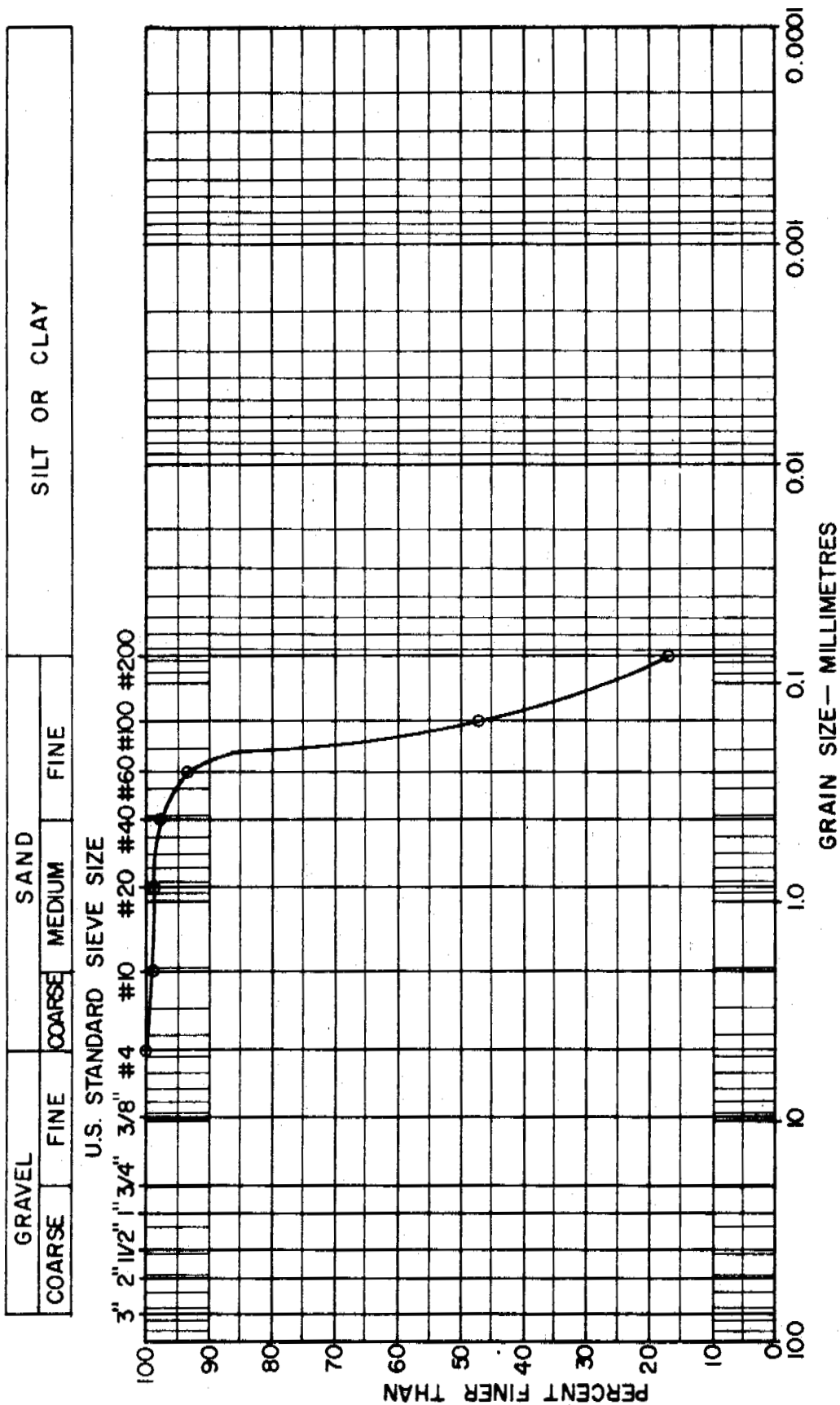
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



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JOB No. AL0307

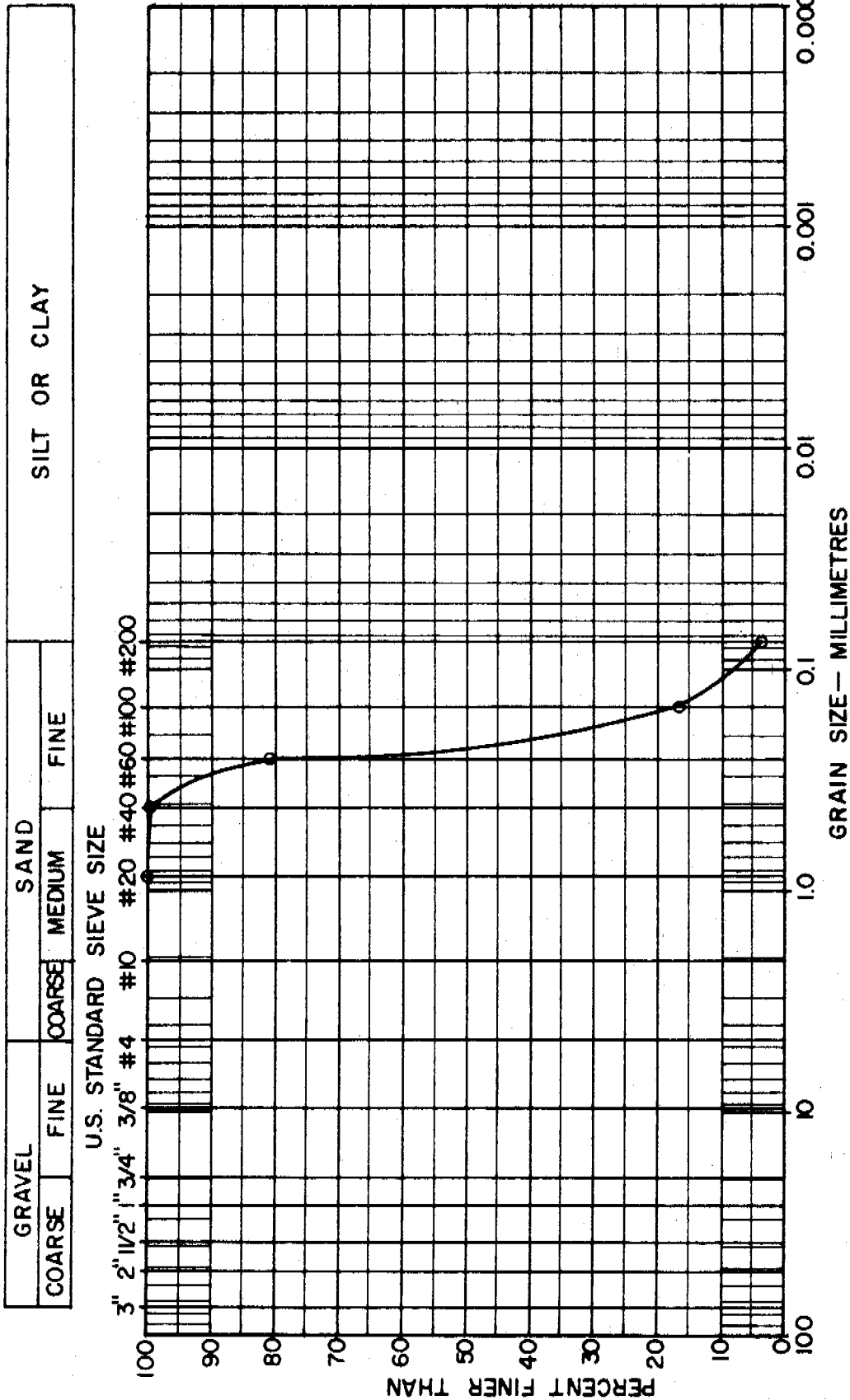
PROJECT

LOCATION 433-C-B

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: o Sample No. 2 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

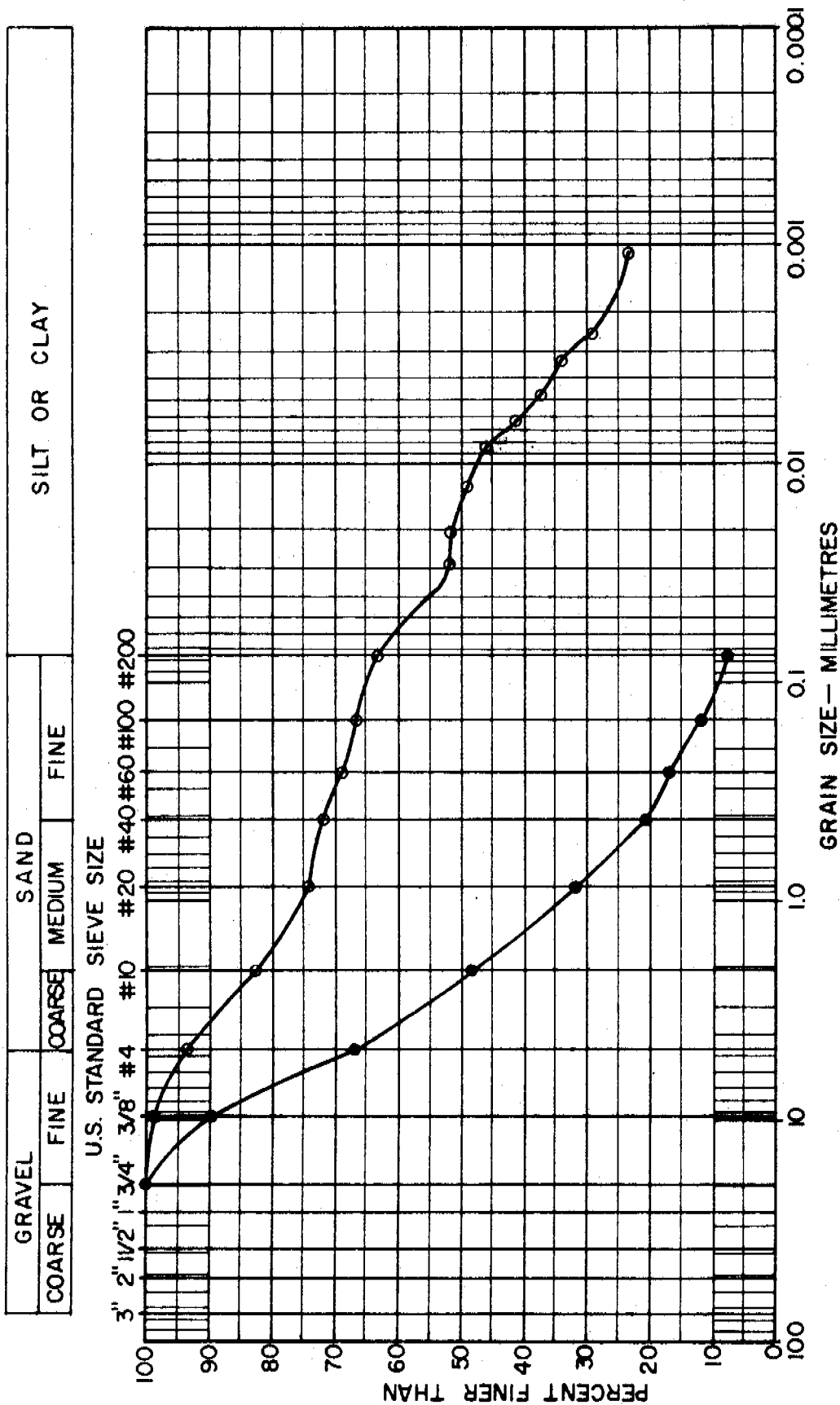
LOCATION 433-C-C

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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JOB No. AL0307

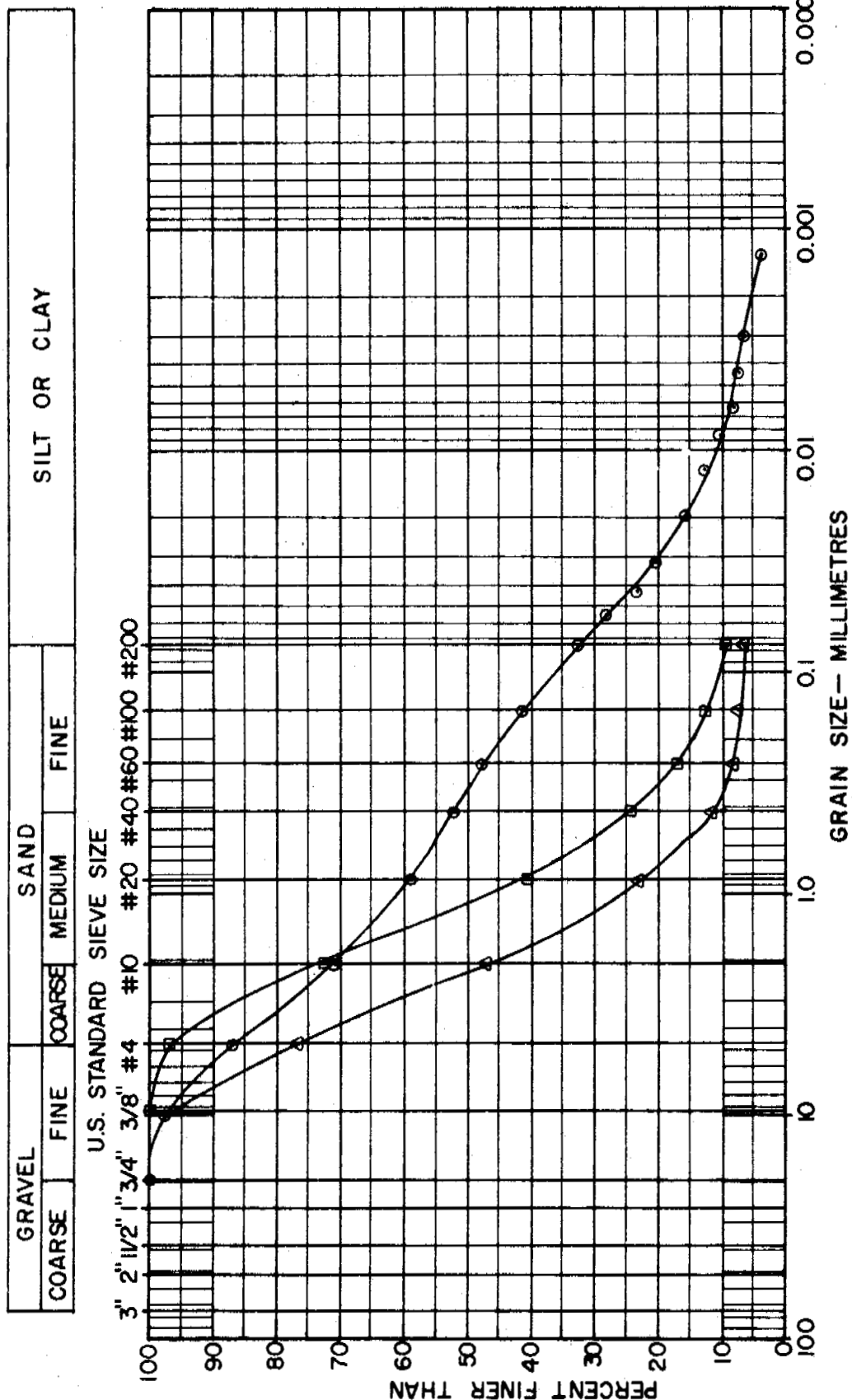
PROJECT

LOCATION 433-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

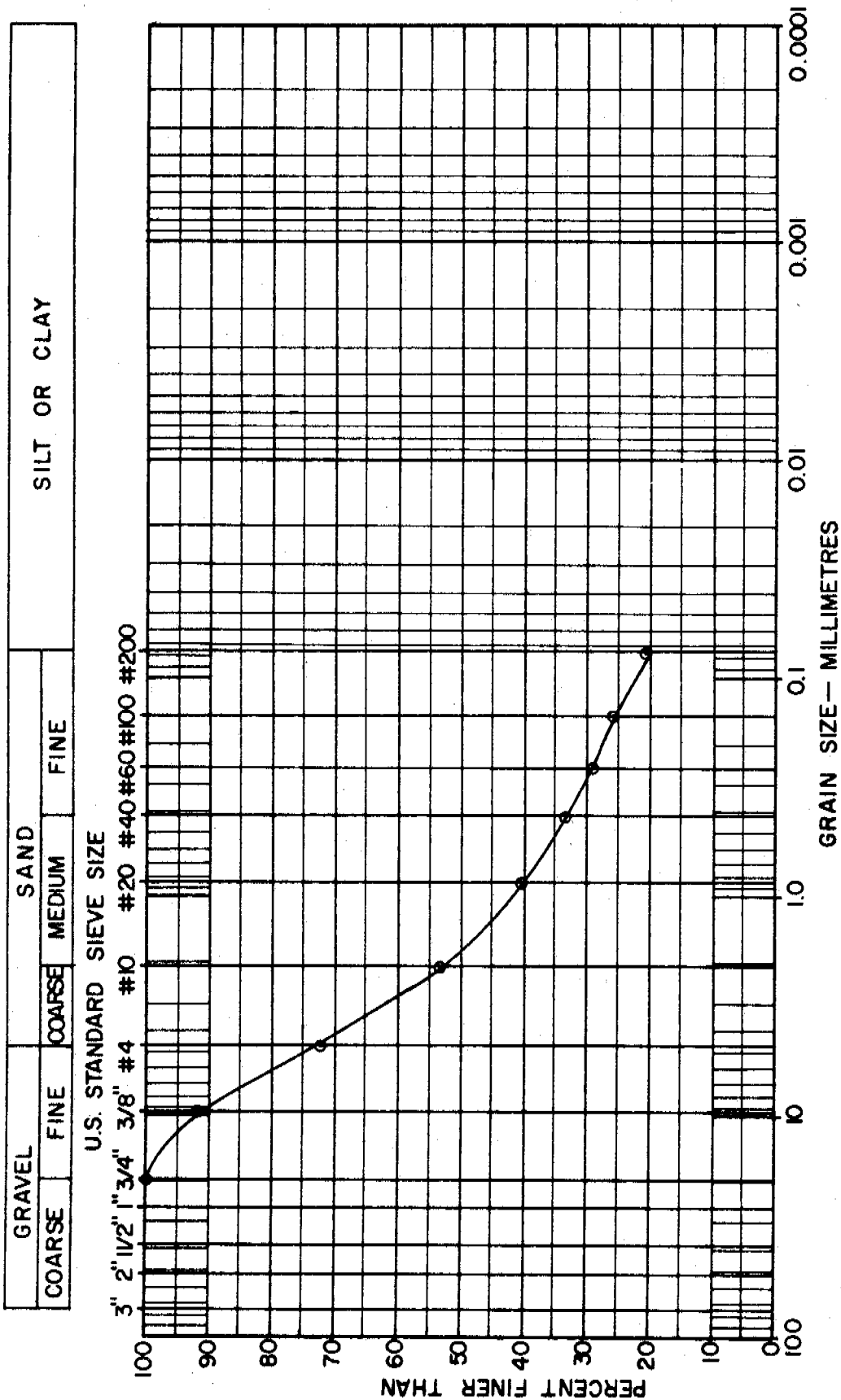
LOCATION 434-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE

REMARKS: Sample No. 1 - 5 ft

JOB No. AL0307

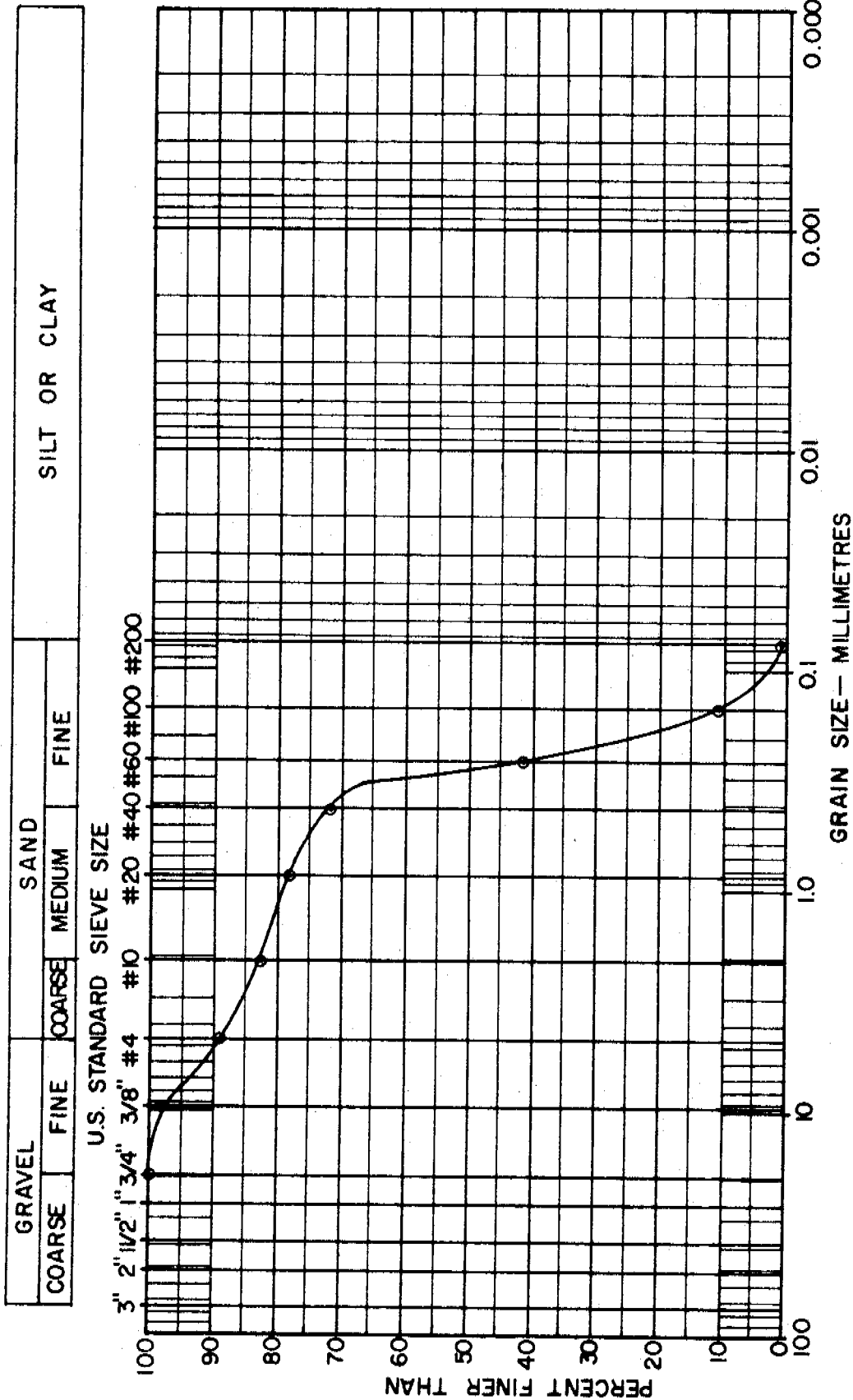
PROJECT

LOCATION 434-C-B

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: Sample No. 3 - 15 ft.



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL0307

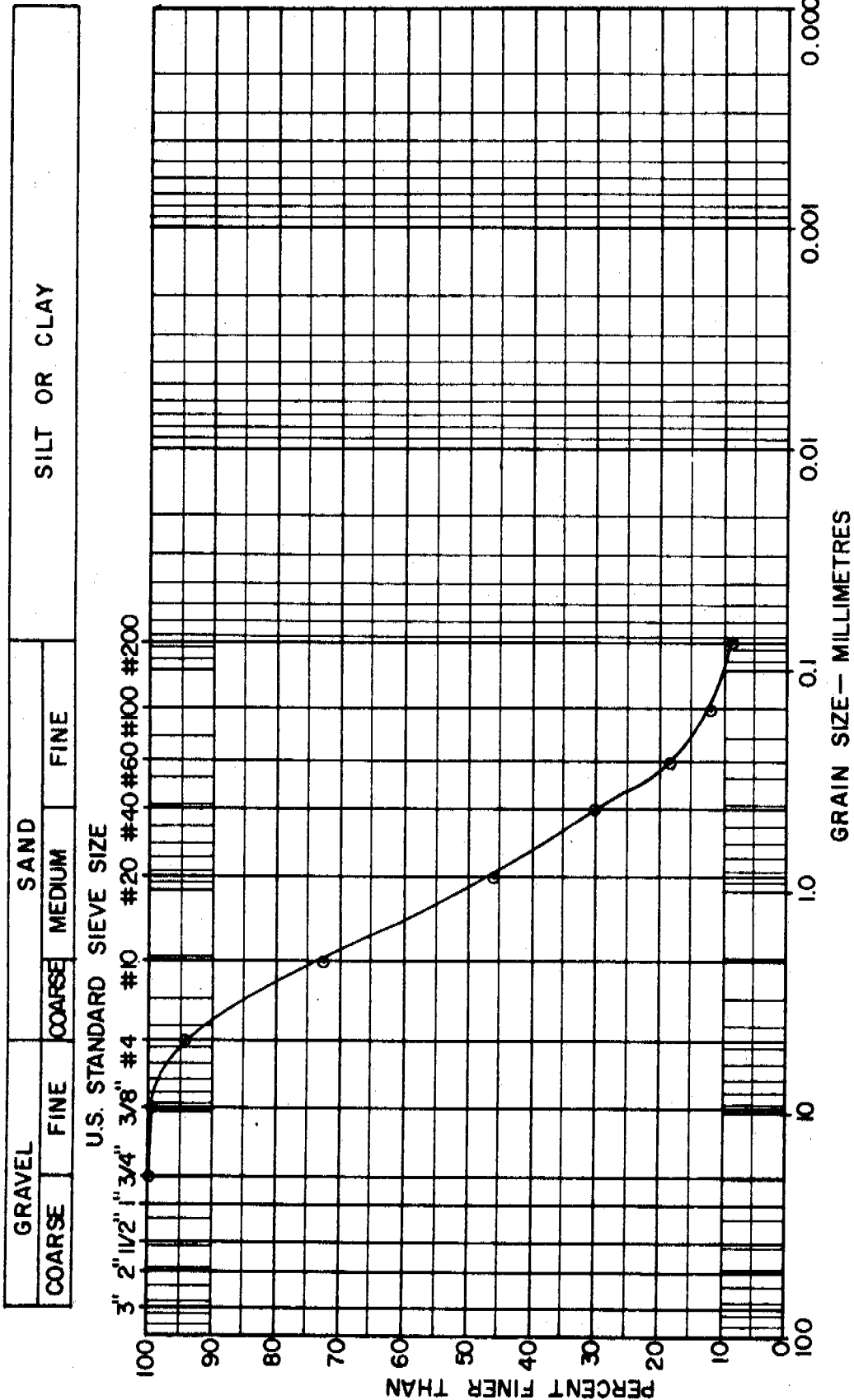
PROJECT

LOCATION 435-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: 0 - 10 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

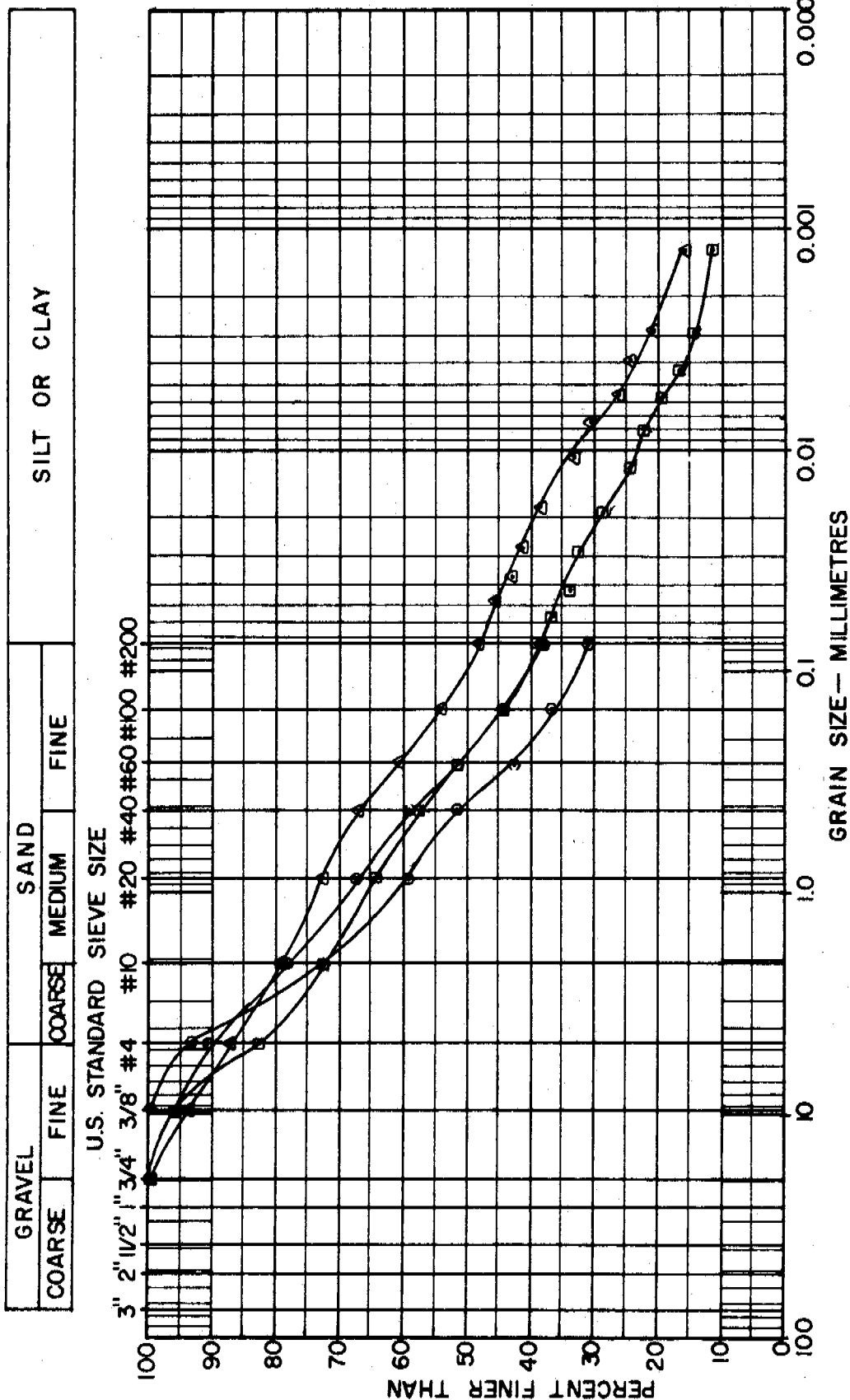
PROJECT

LOCATION 435-C-B

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 4 - 18 ft.

△ Sample No. 6 - 20 ft.

◇ Sample No. 7 - 25 ft.



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JOB No. AL0307

PROJECT

LOCATION 435-S-D

HOLE No.

DEPTH

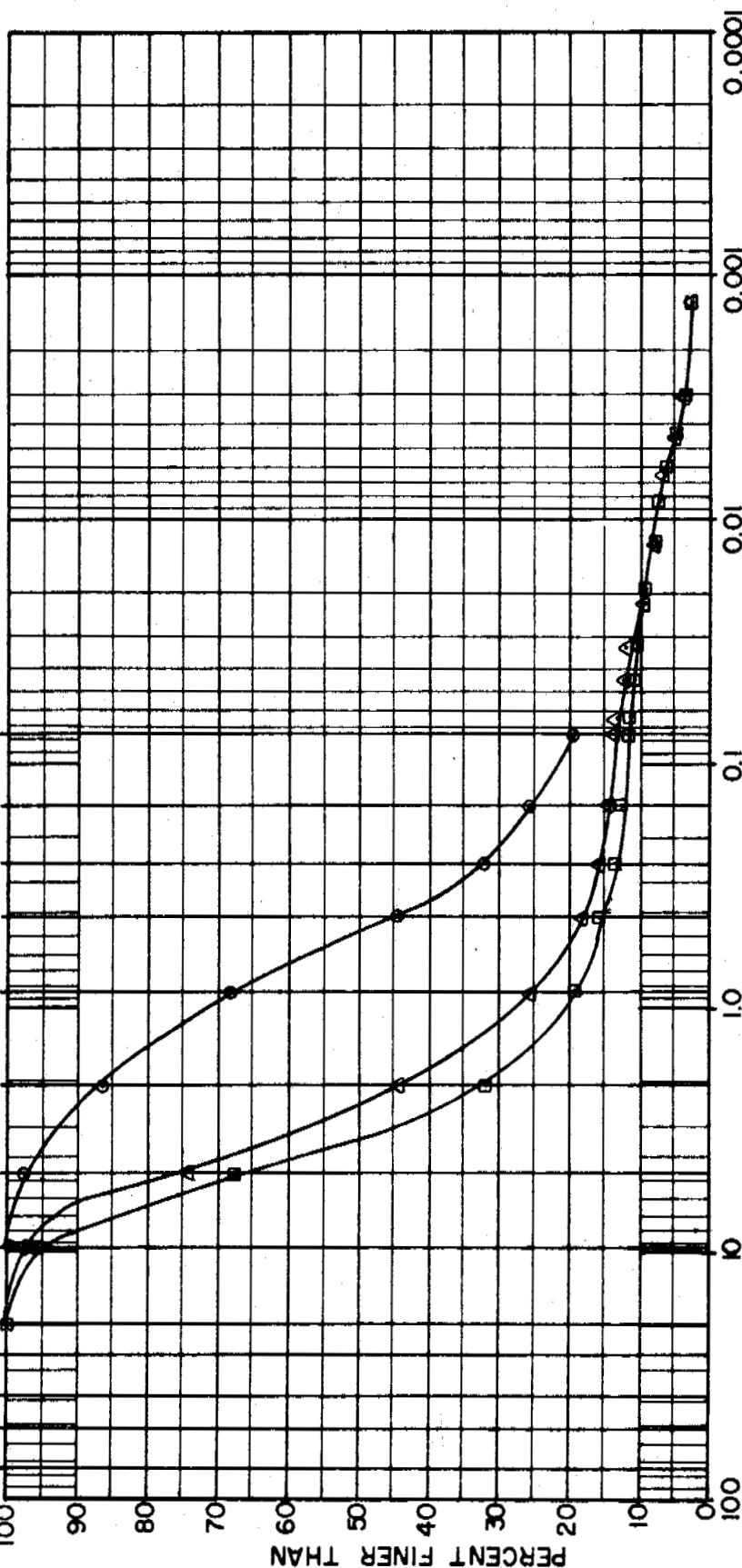
DATE

GRAIN SIZE CURVE

GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 2" 1 1/2" 1 1/4" 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 20 ft.



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JOB No. AL0307

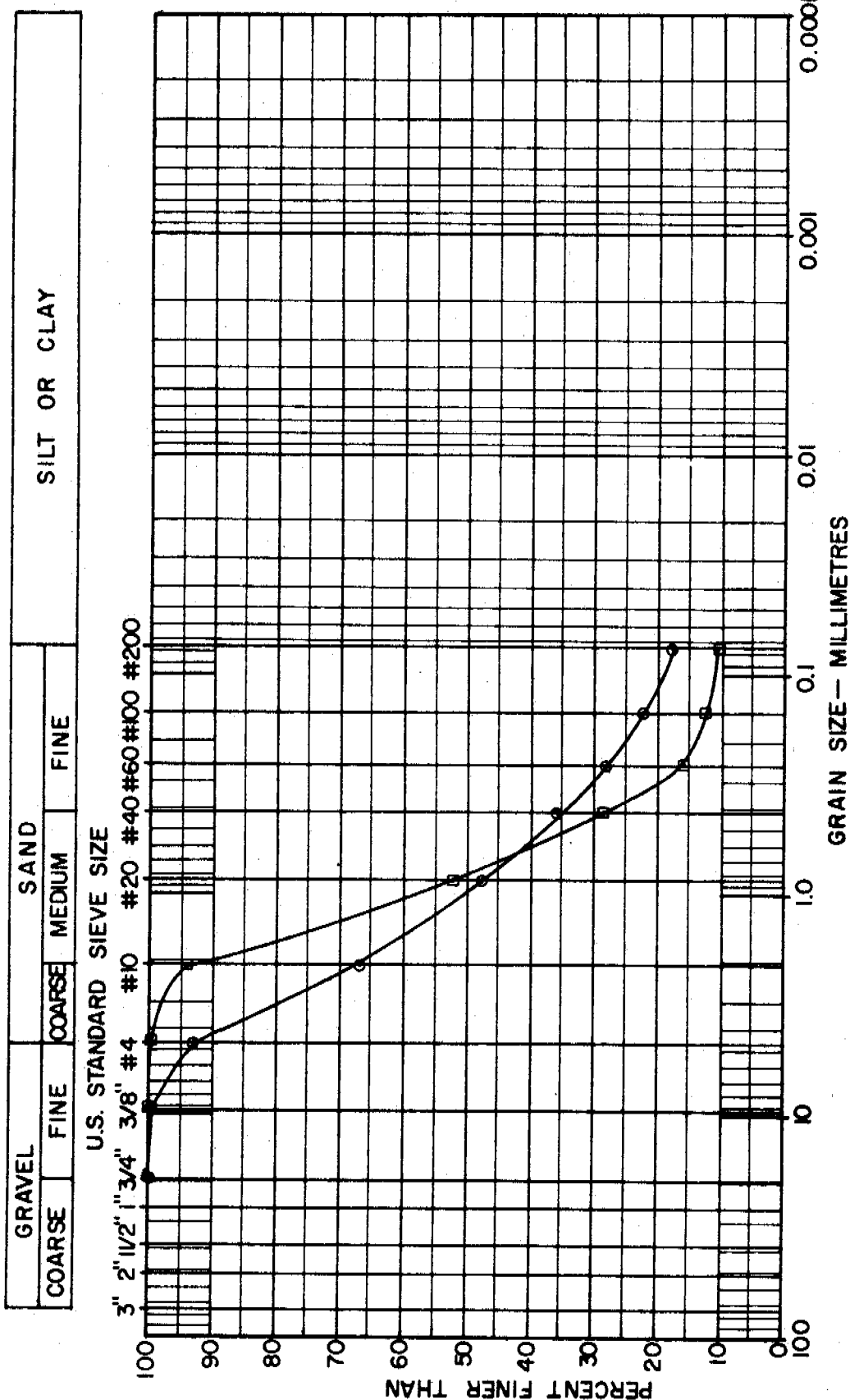
PROJECT

LOCATION 435-S-E

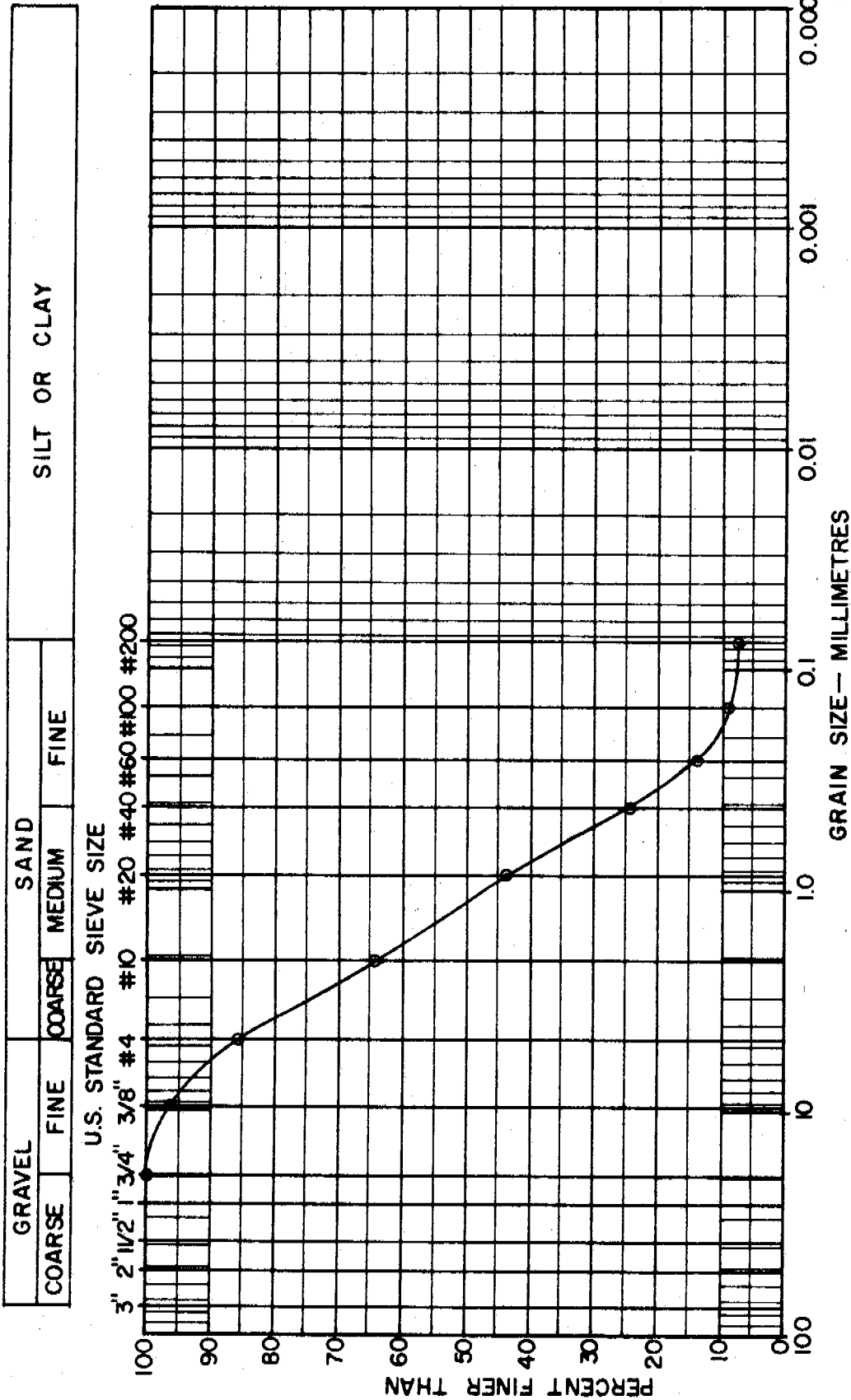
HOLE No. DEPTH

DATE

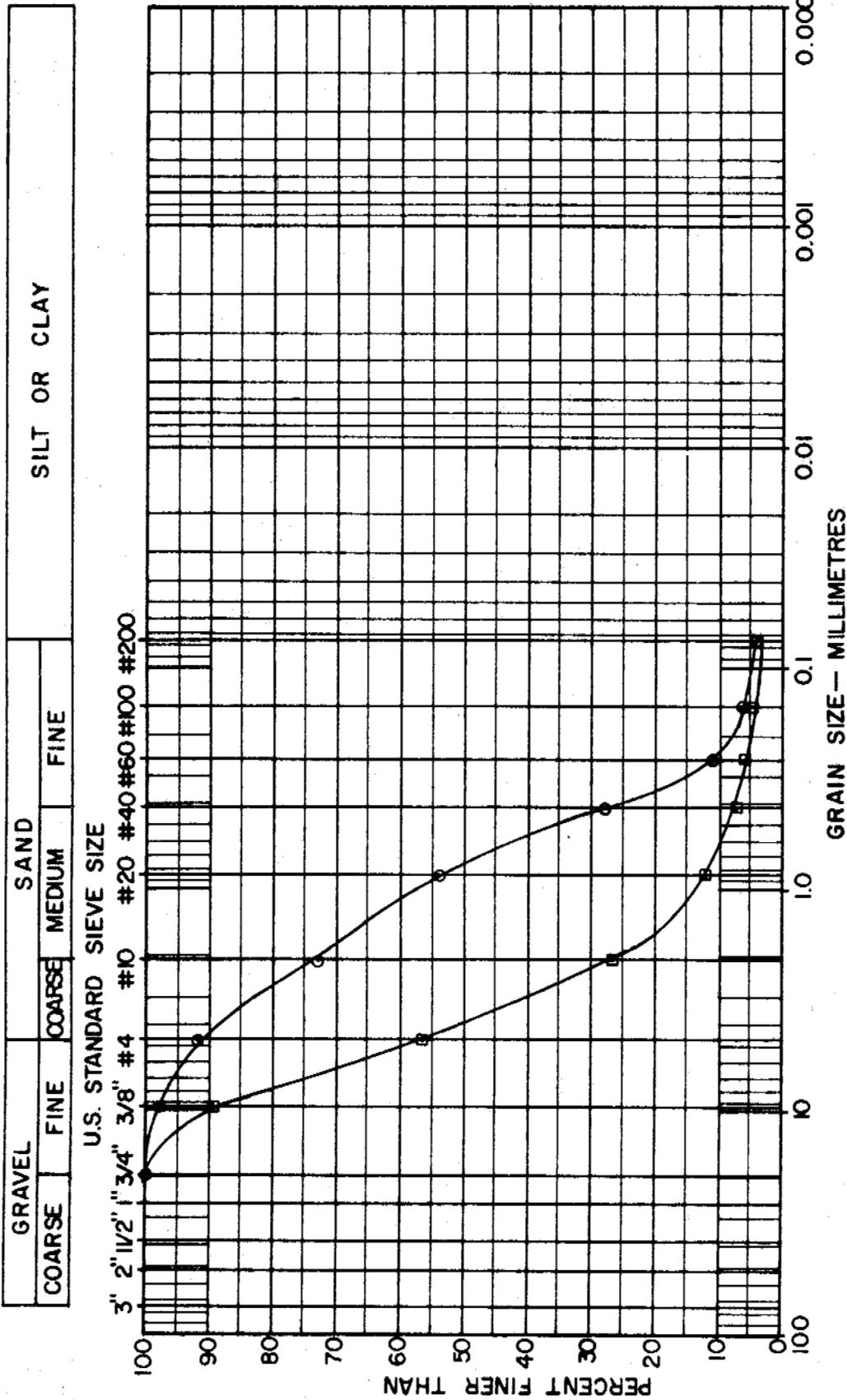
GRAIN SIZE CURVE



GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

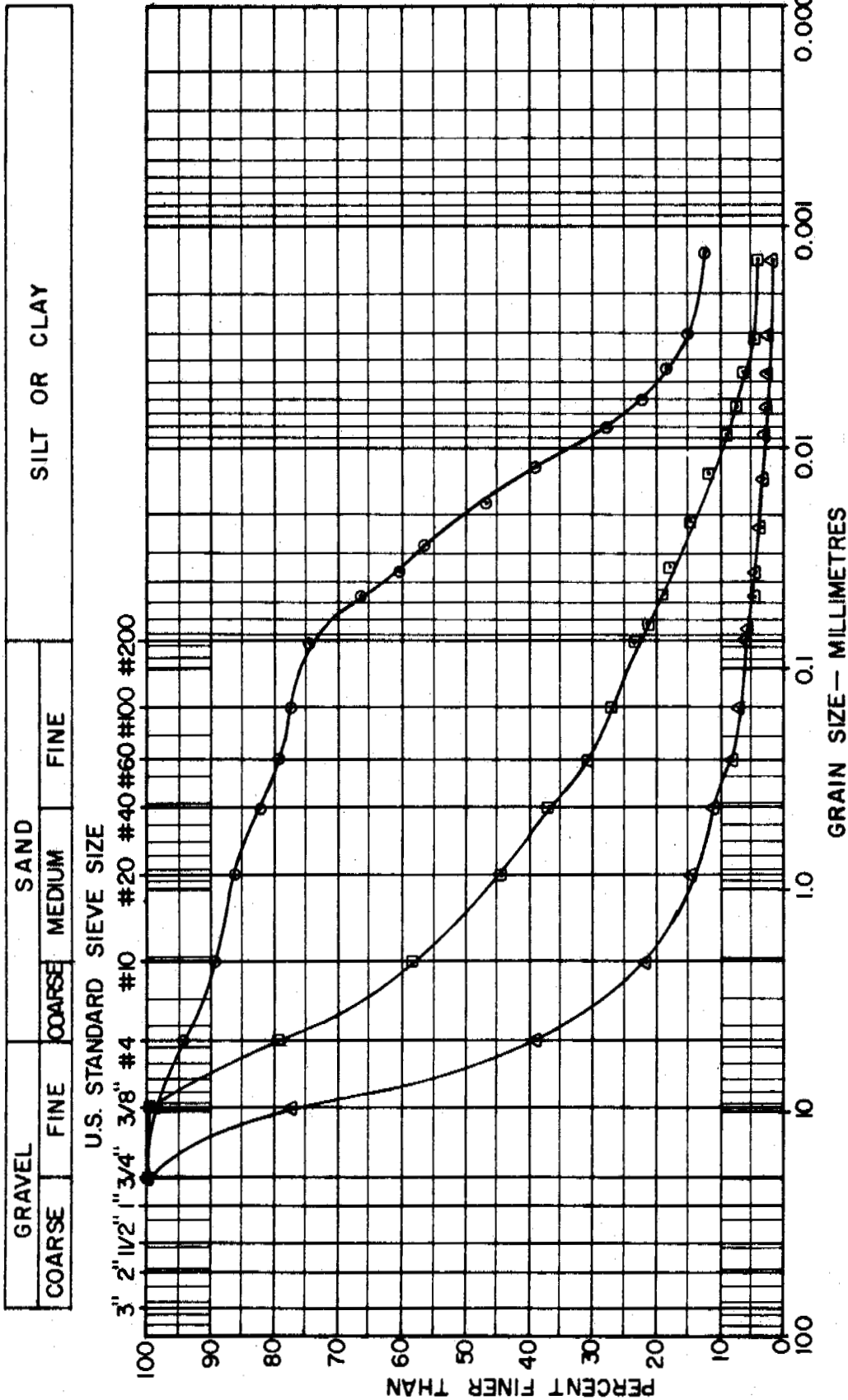
LOCATION 436-S-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

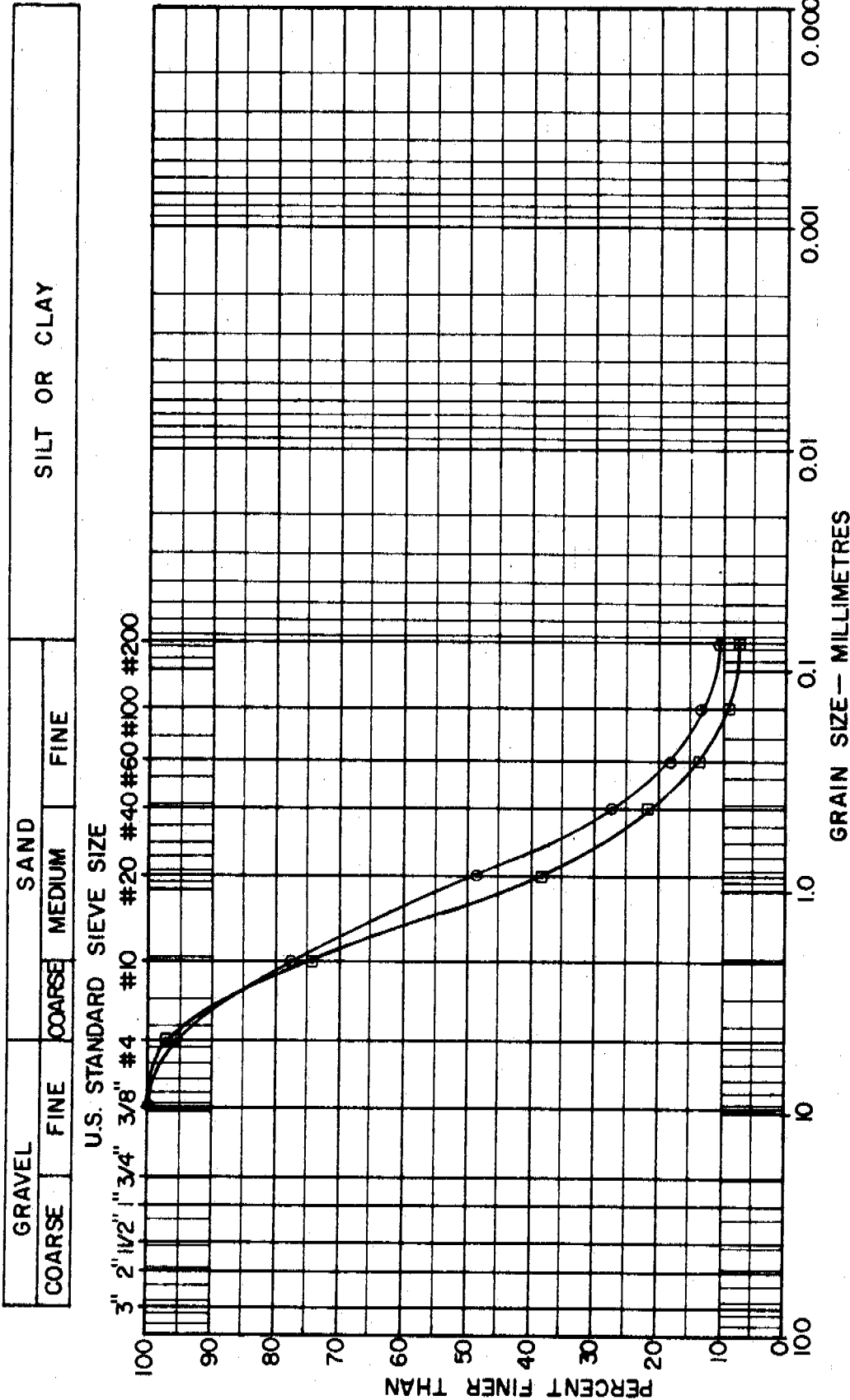
LOCATION 436-S-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☒ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

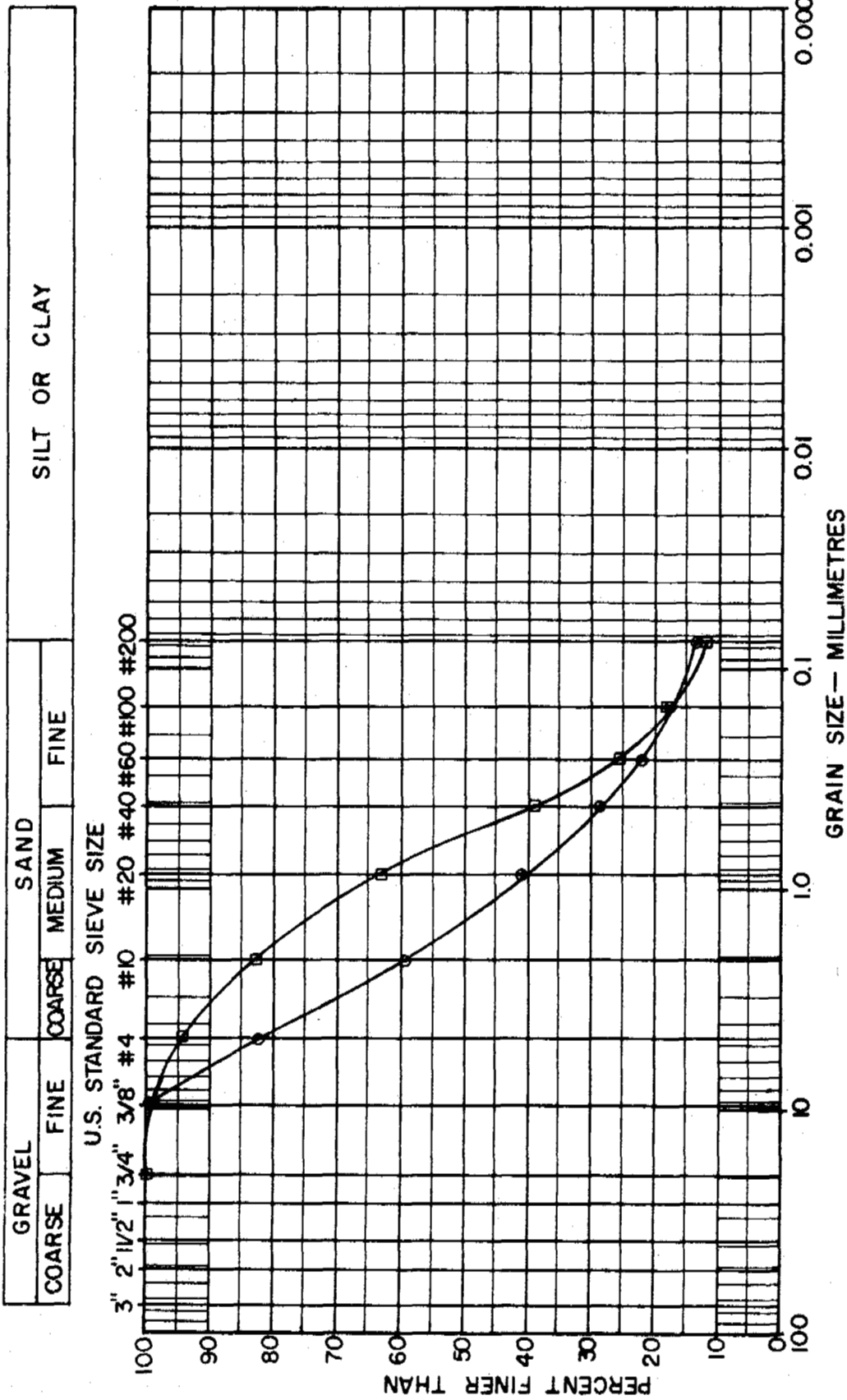
PROJECT

LOCATION 436-S-H

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

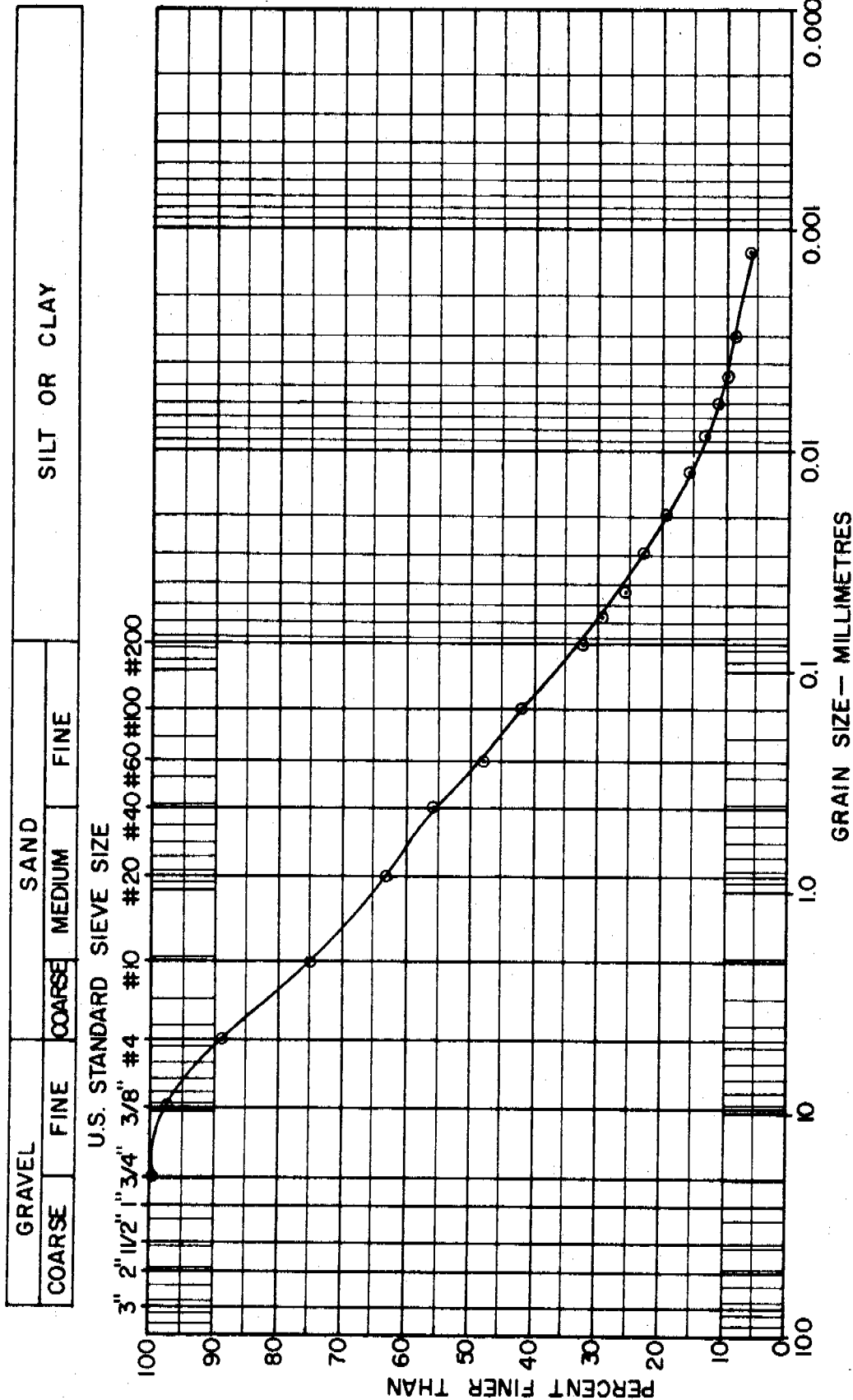
LOCATION 436-C-1

HOLE No.

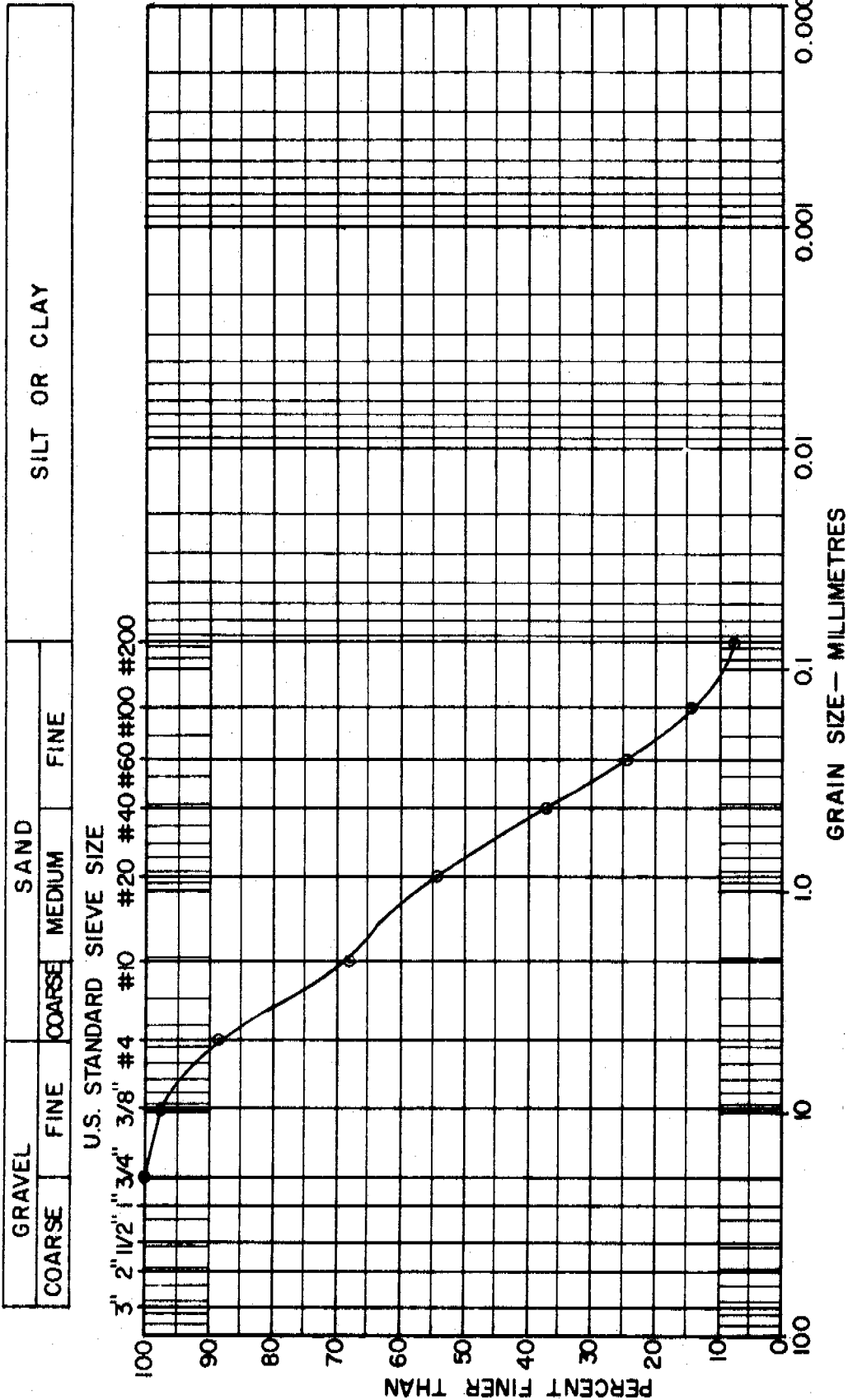
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: Sample No. 1 - 5 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

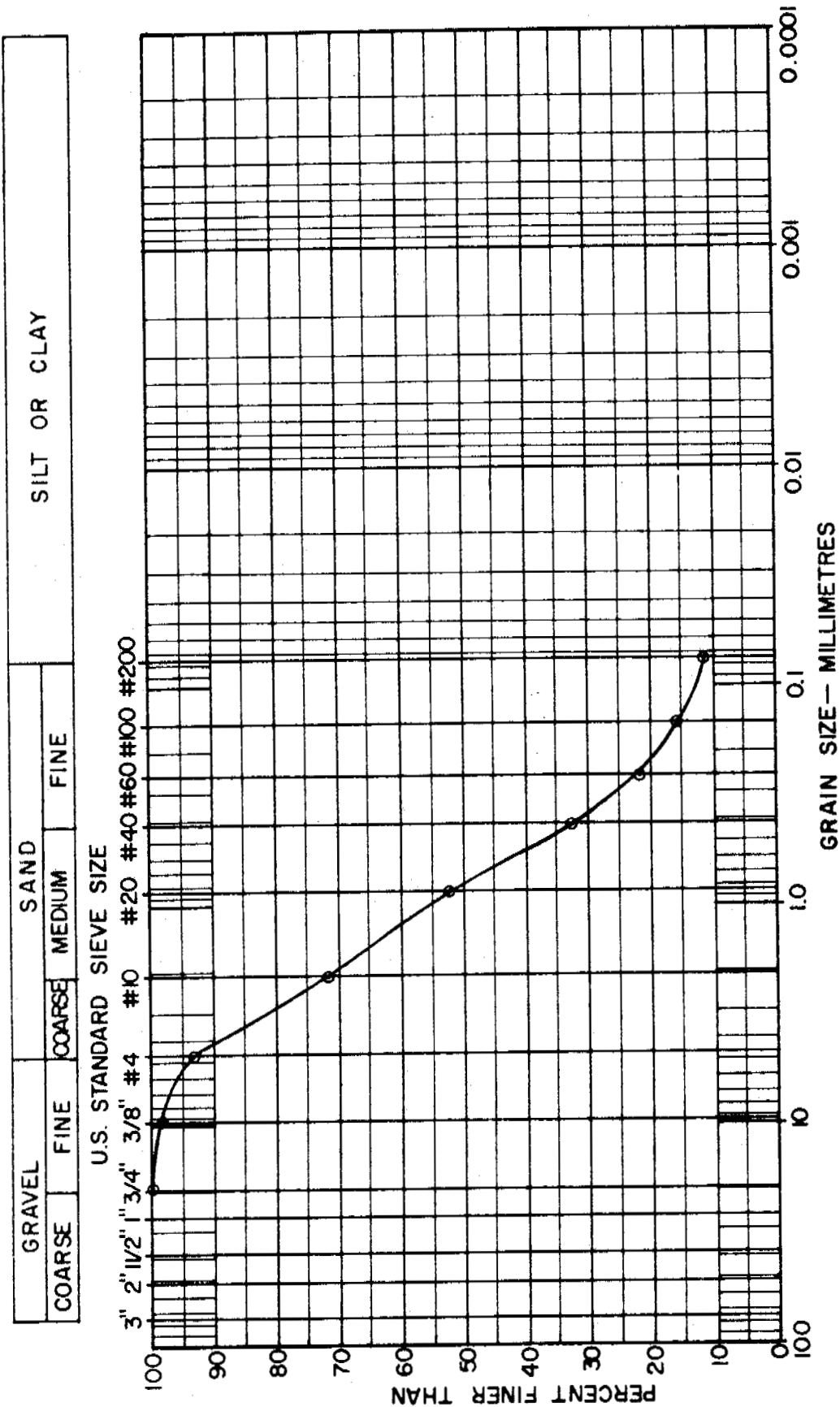
LOCATION 436-C-K

HOLE No.

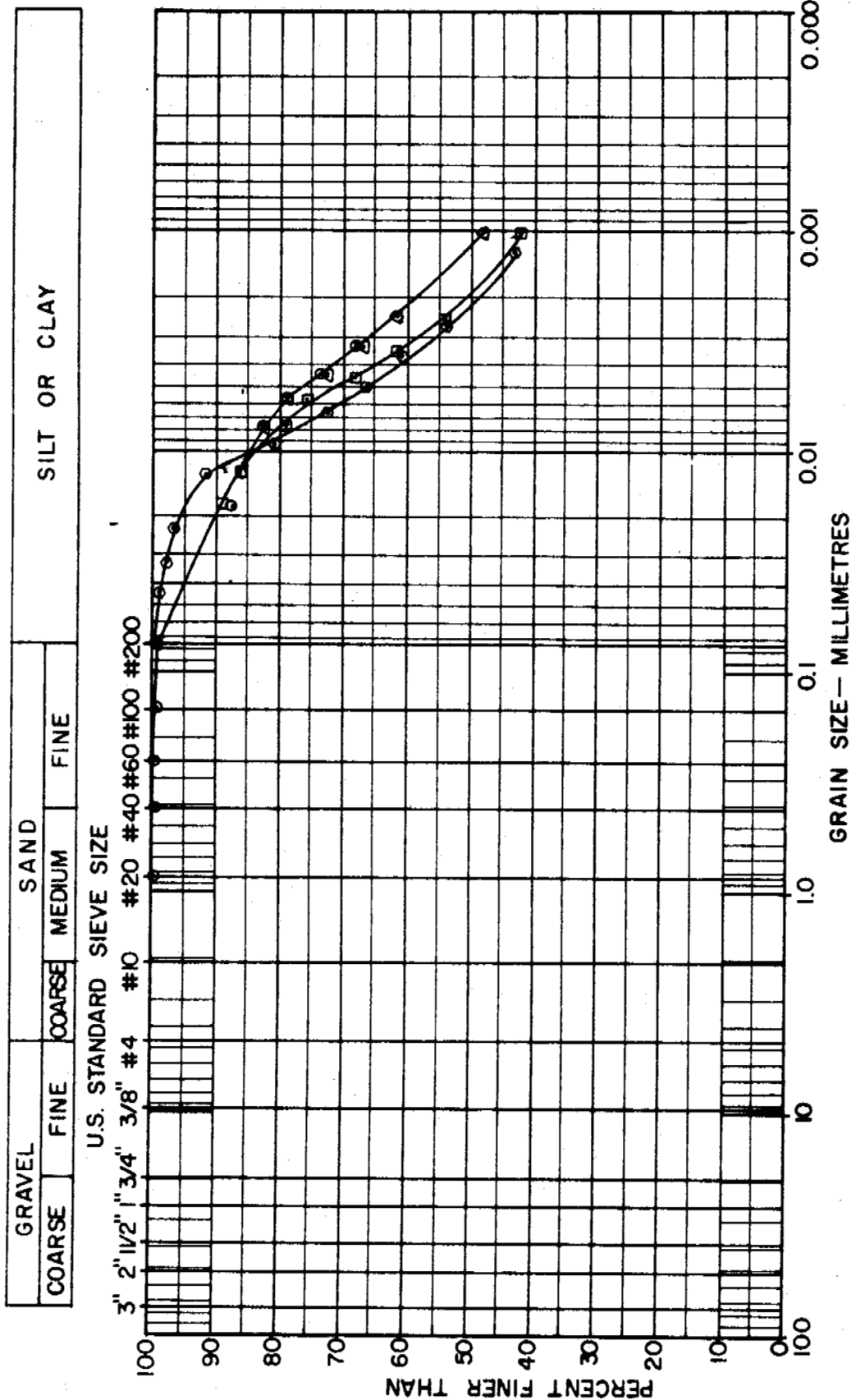
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.

○ Sample No. 4 - 20 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

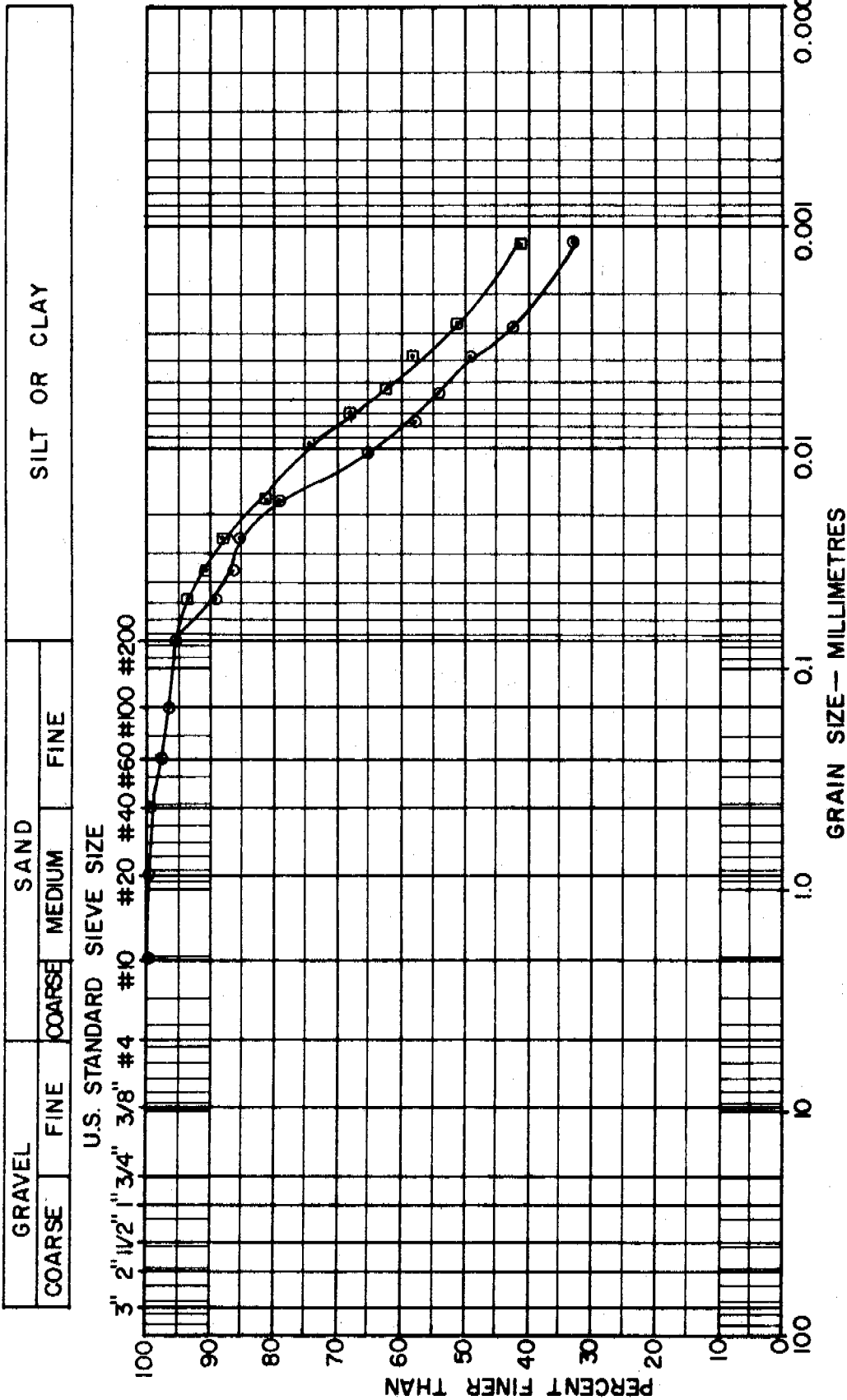
LOCATION 438-S-B

HOLE No.

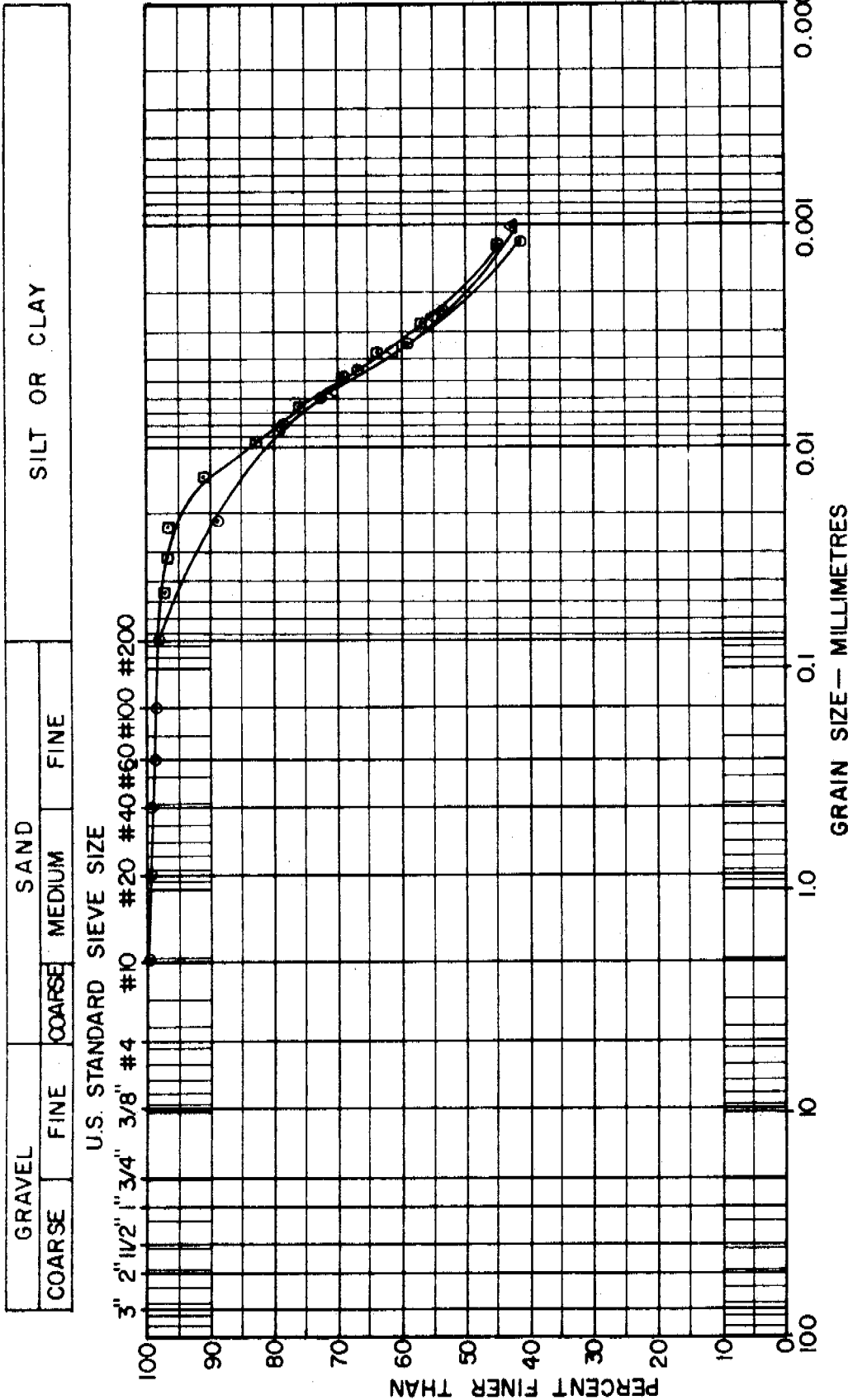
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 3 15 ft.

□ Split spoon Sample - 15 ft.

△ Sample No. 4 - 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

LOCATION 438-S-C

HOLE No.

DEPTH

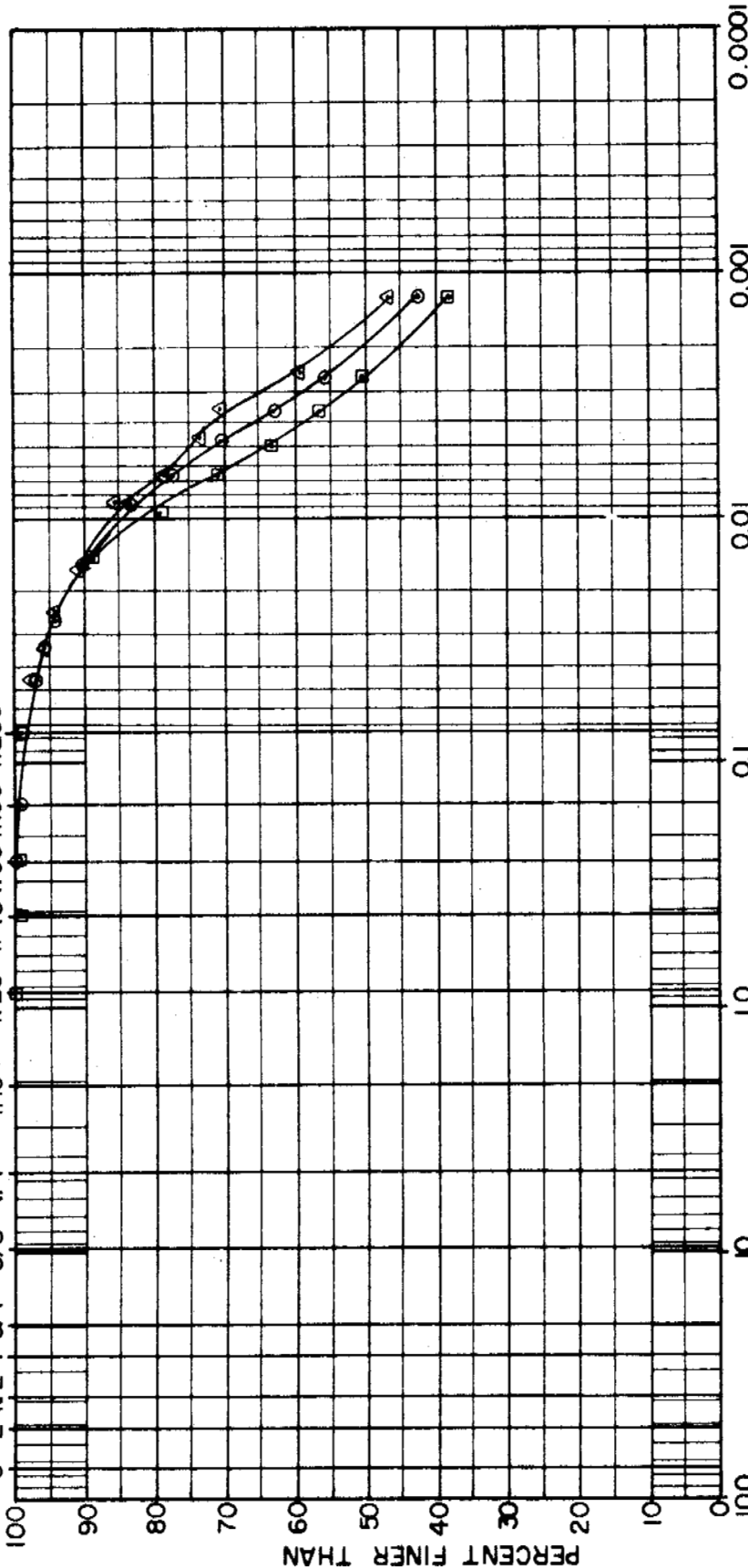
DATE

GRAIN SIZE CURVE

GRAVEL		SAND			SILT OR CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE		

U.S. STANDARD SIEVE SIZE

3" 2 1/2" 1 3/4" 3/8" #4 #10 #20 #40 #60 #100 #200



GRAIN SIZE — MILLIMETRES

REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 4 - 20 ft.



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JOB No. AL0307

PROJECT

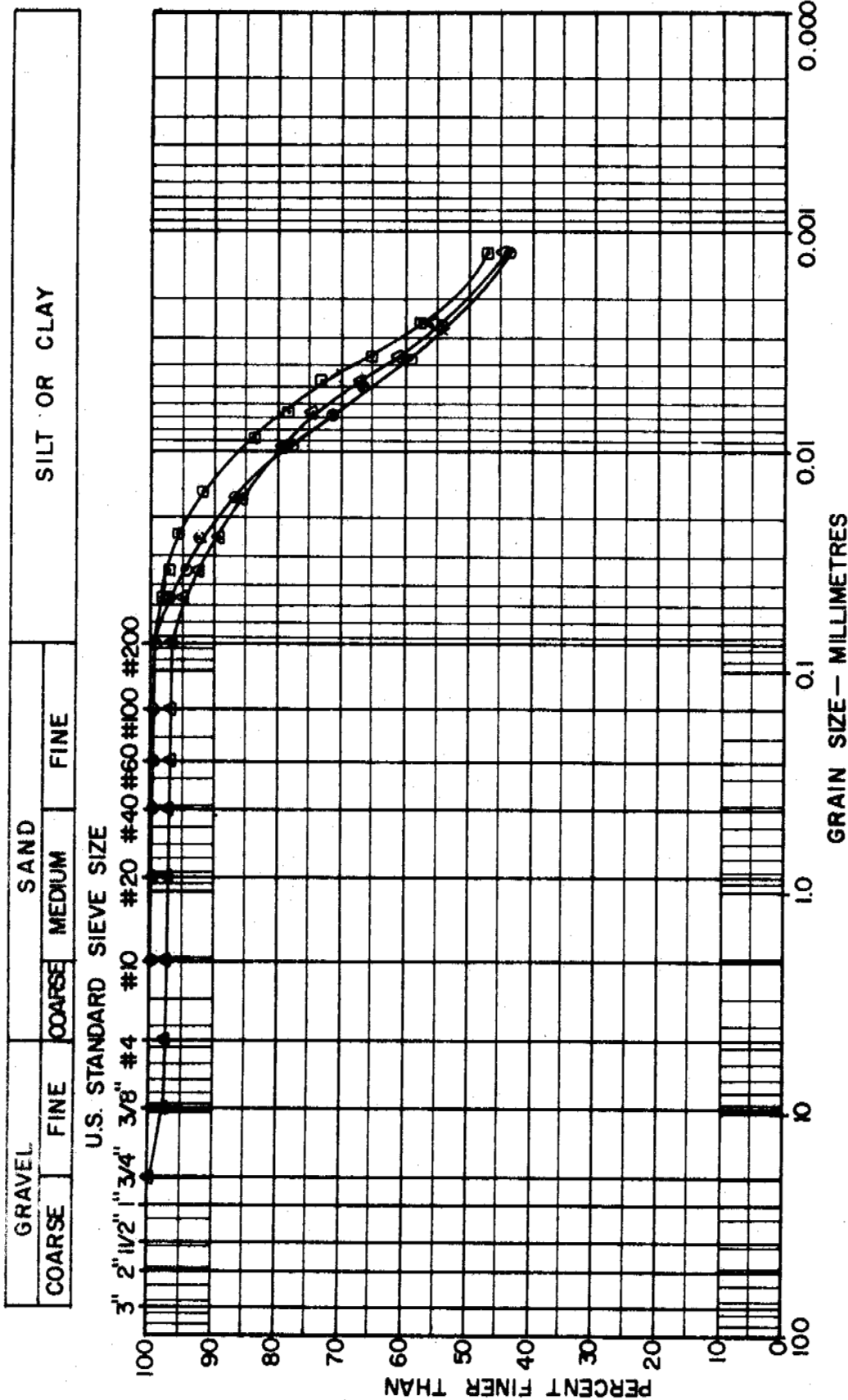
LOCATION 438-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

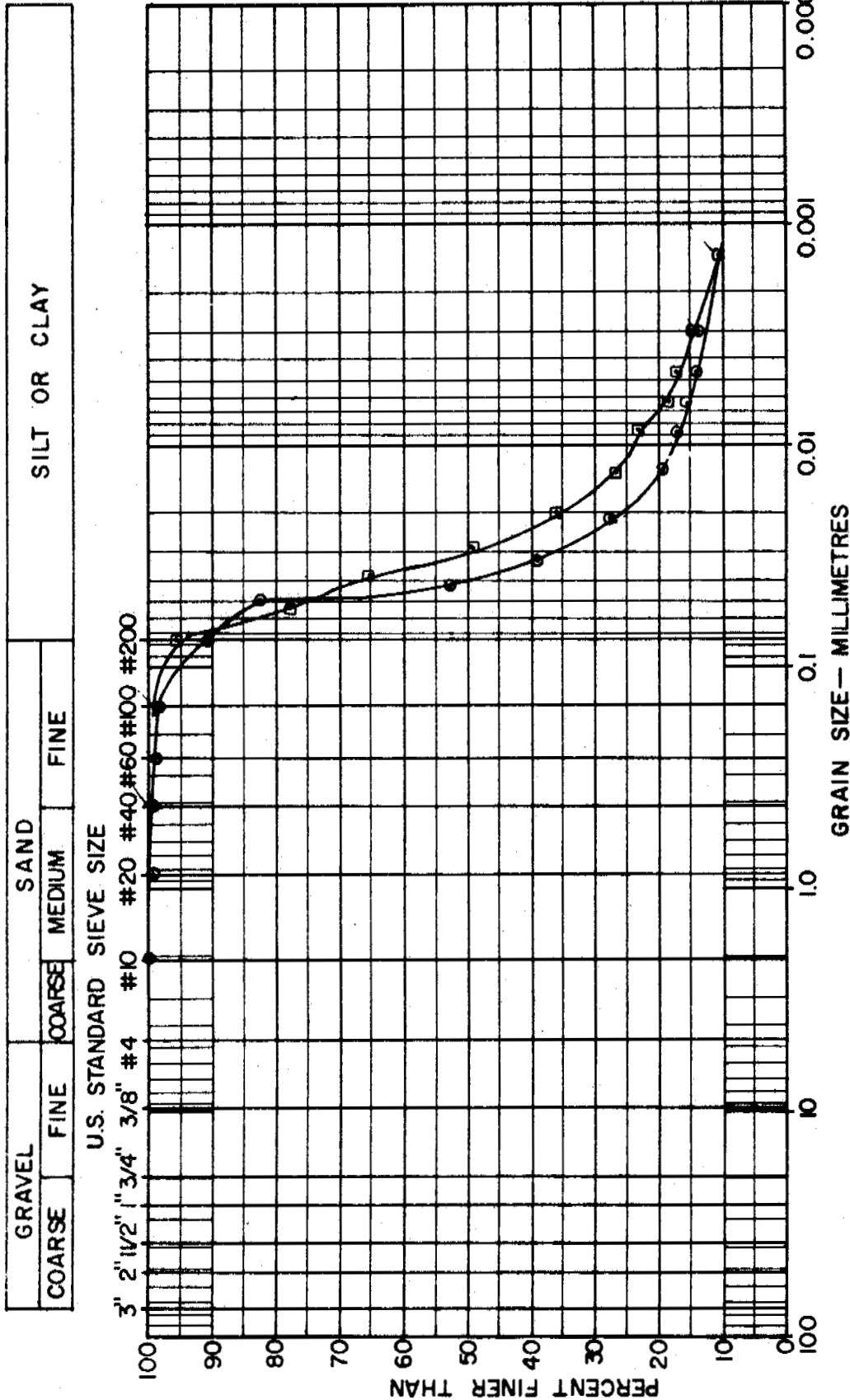
LOCATION 439-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

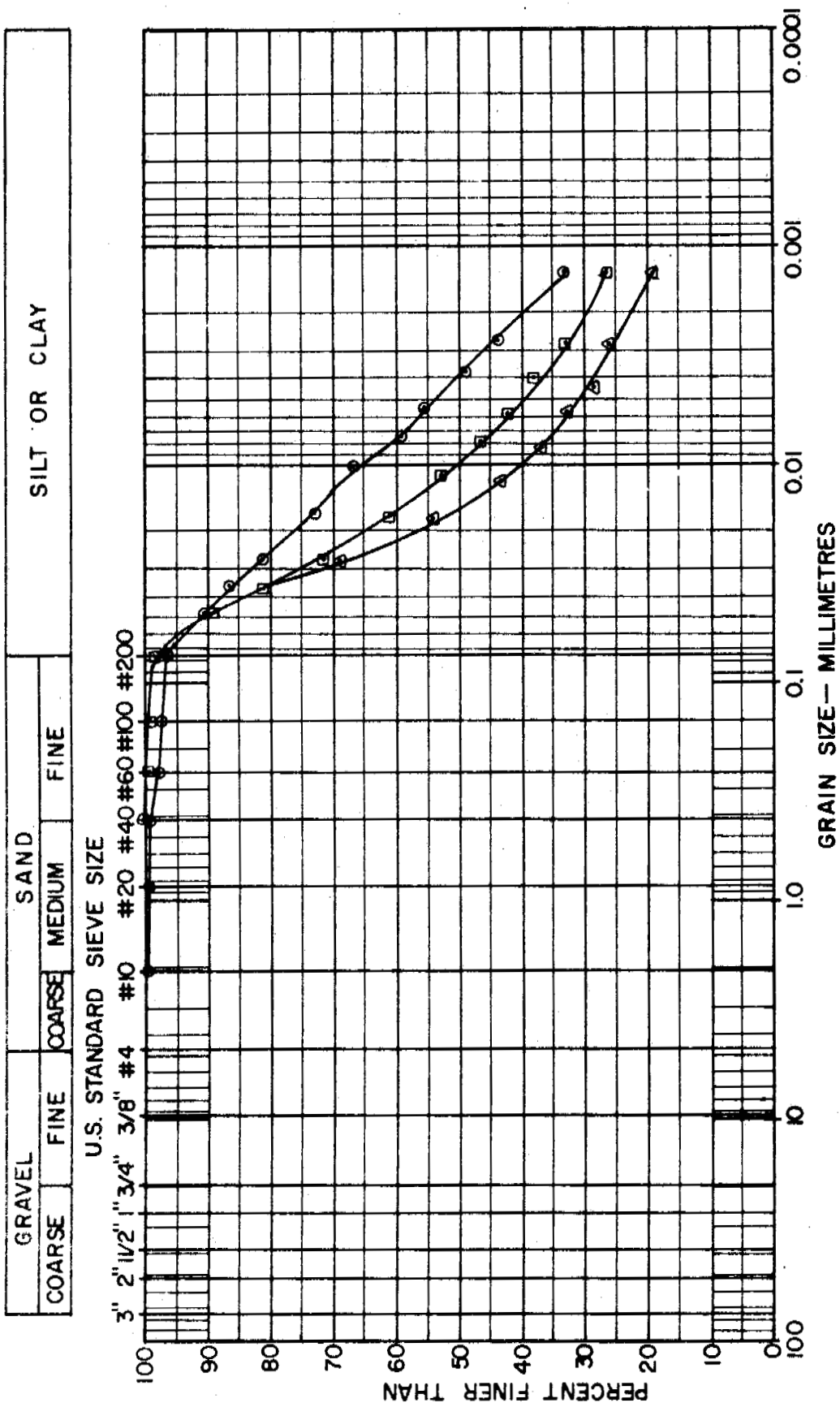
PROJECT

LOCATION 440-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.

Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



JOB No. AL0307

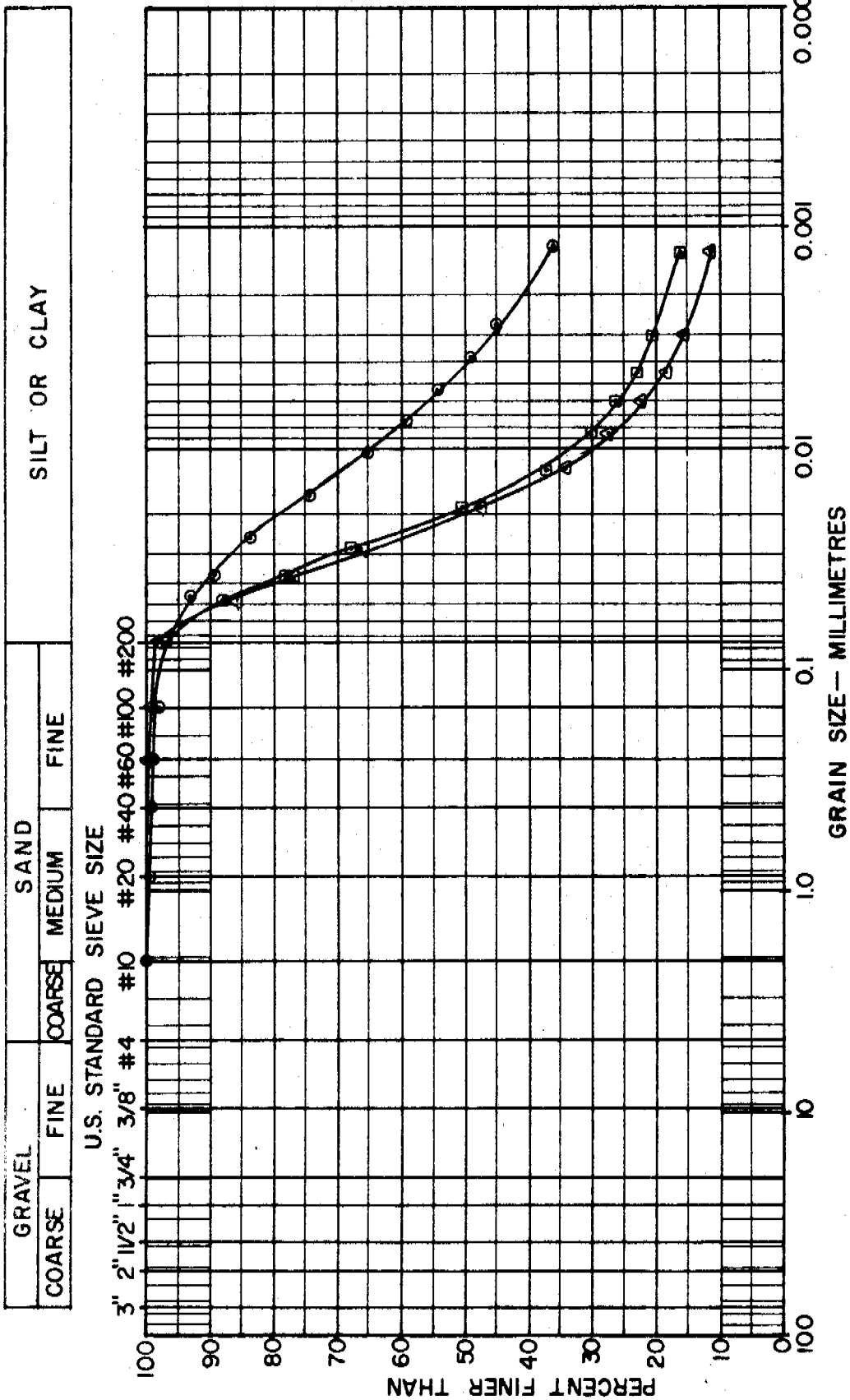
PROJECT

LOCATION 440-C-D

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.

Sample No. 3 - 15 ft.



JOB No. AL0307

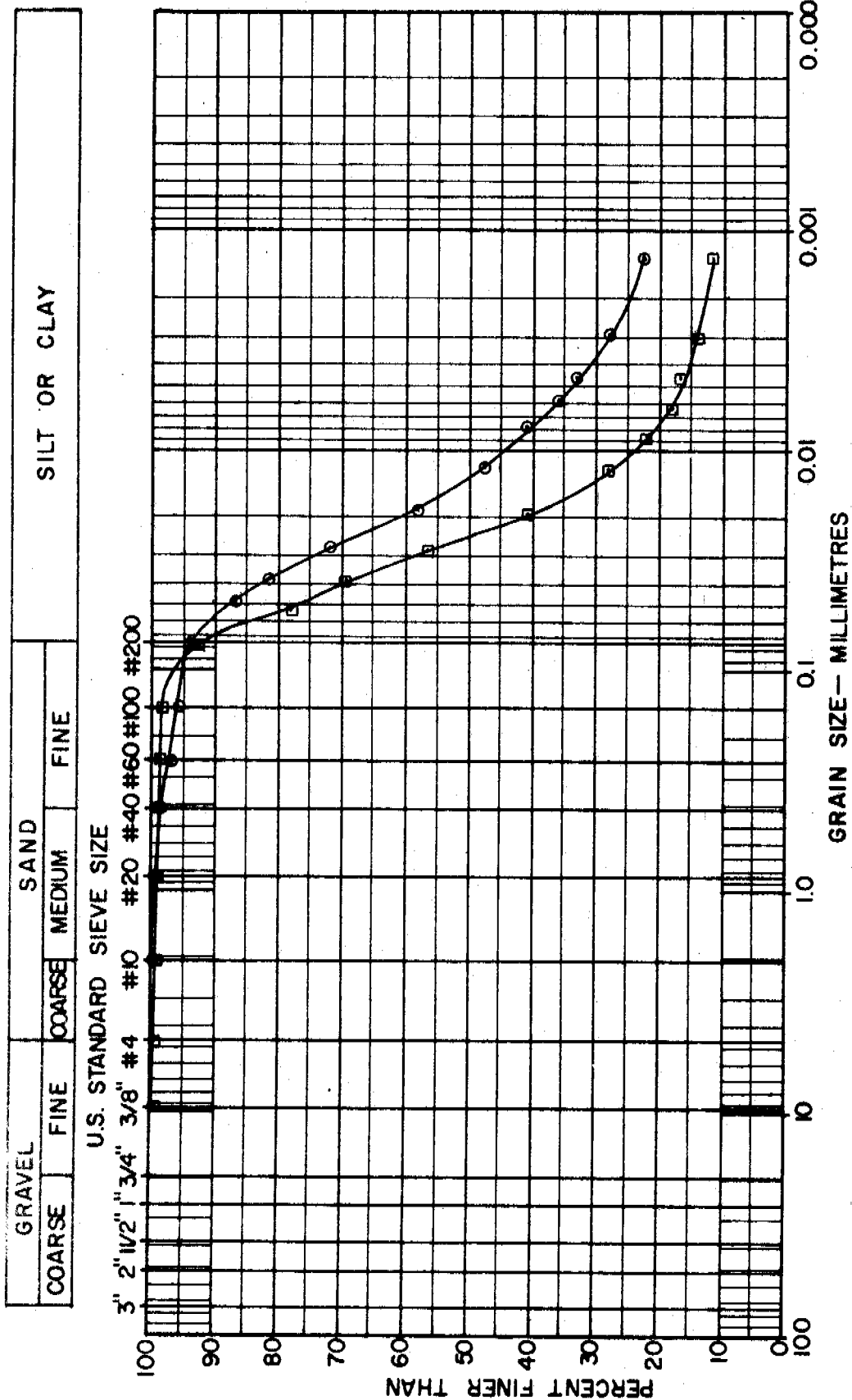
PROJECT

LOCATION 441-C-A

HOLE No.	DEPTH
----------	-------

DATE _____

GRAIN SIZE CURVE



REMARKS: ☐ Sample No. 1 - 5 ft.

☐ Sample No. 2 - 10 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

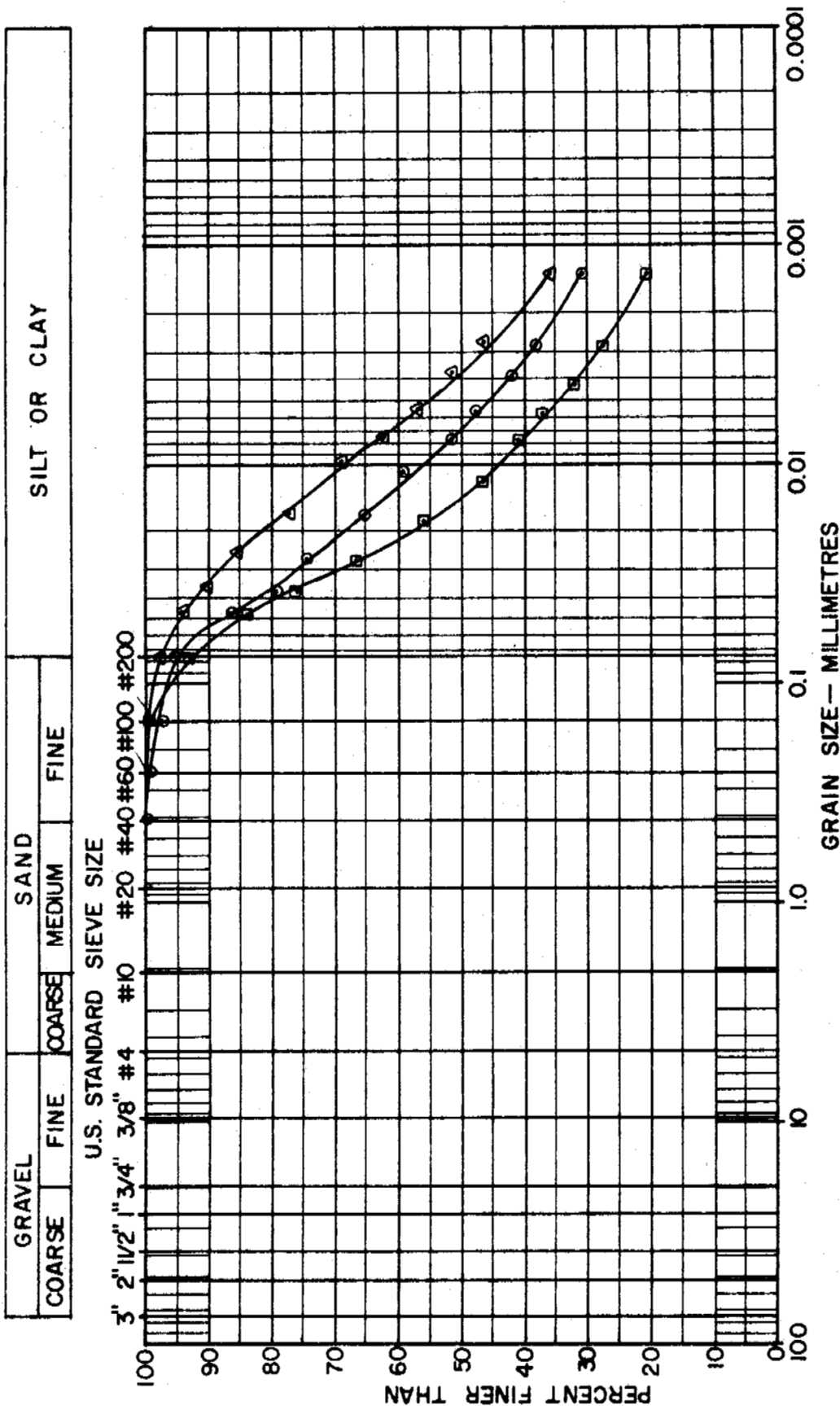
LOCATION 441-C-D

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

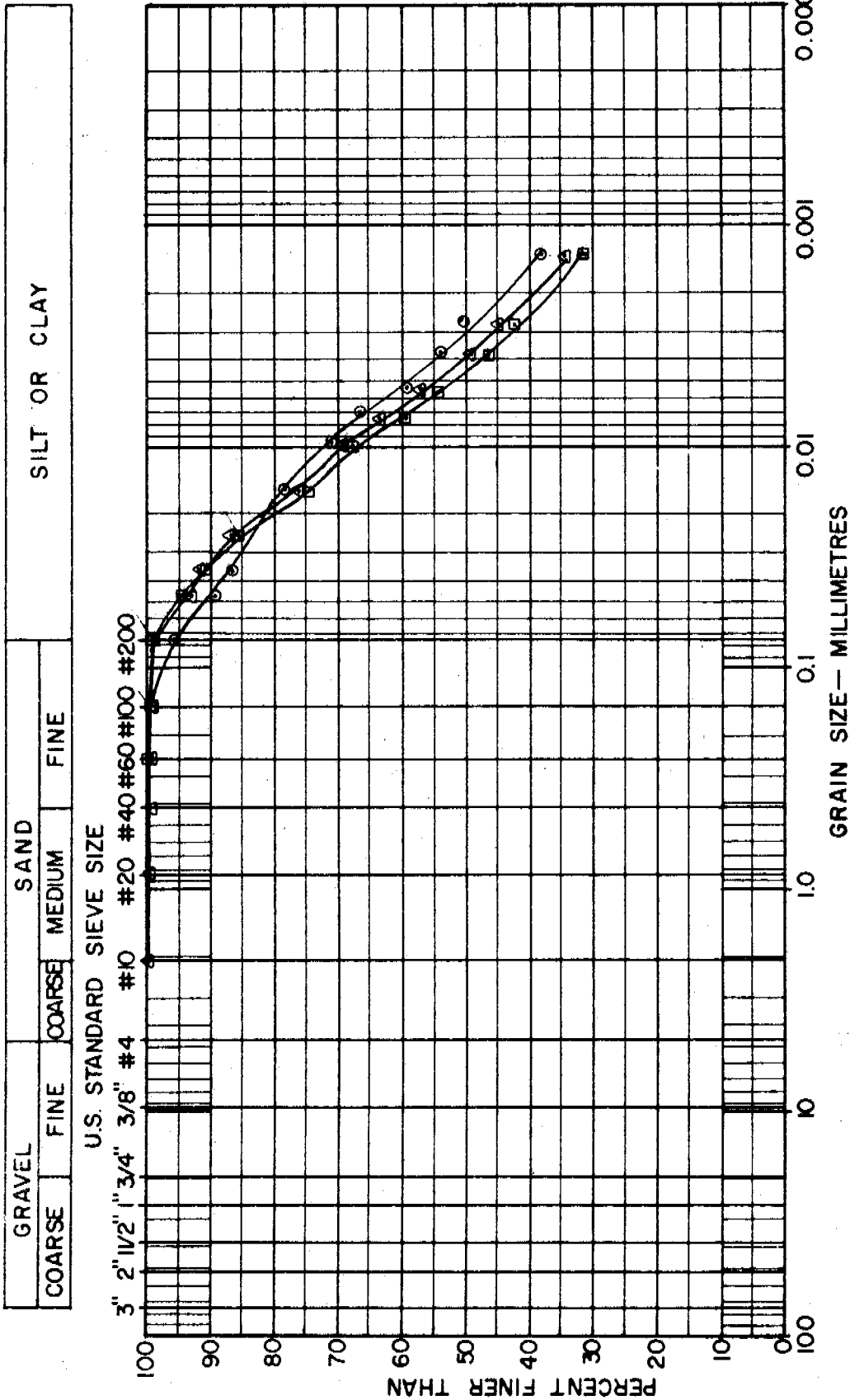
PROJECT

LOCATION 442-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2A - 10 ft.

△ Sample No. 2B - 10 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

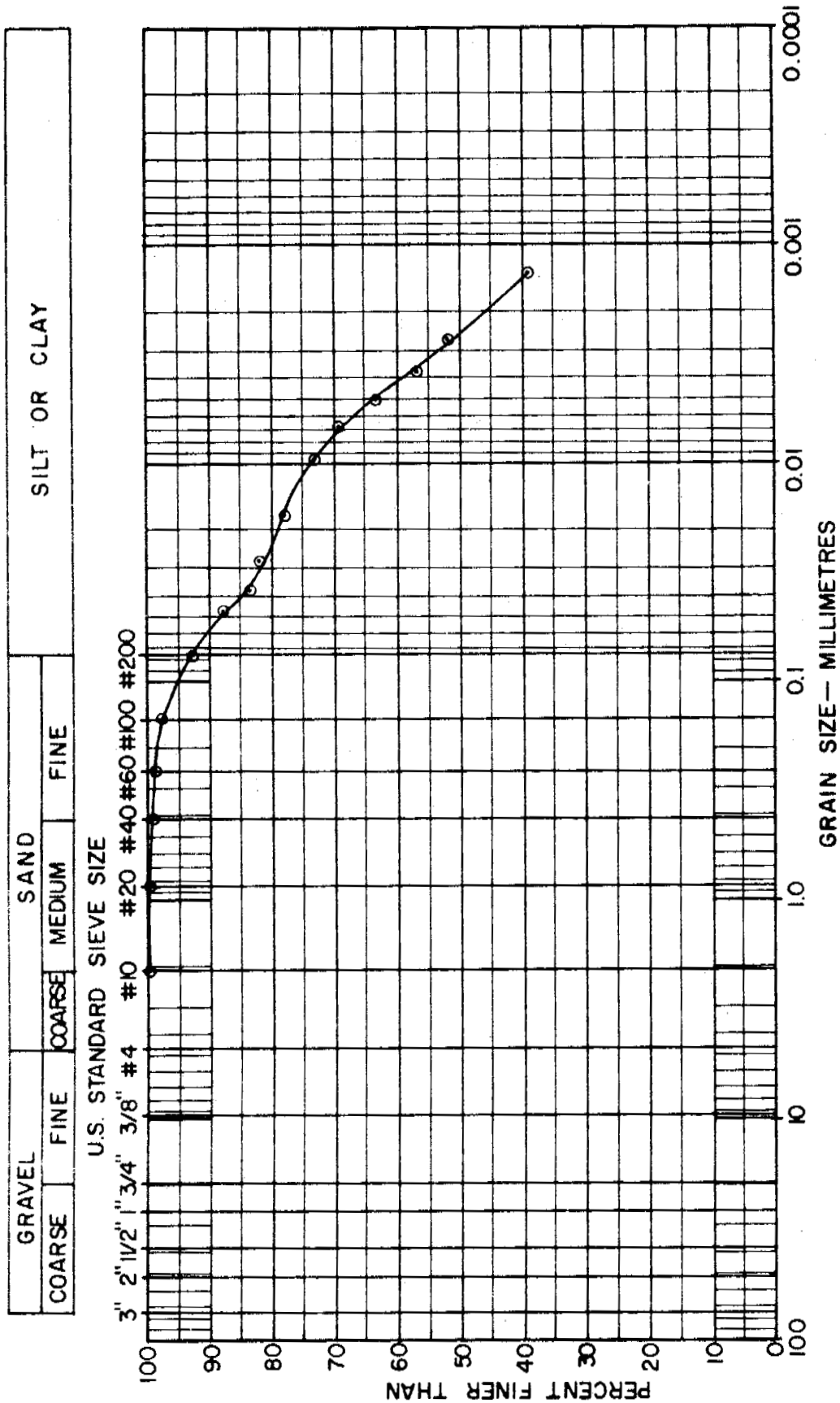
PROJECT

LOCATION 442-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ Sample No. 1 - 5 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

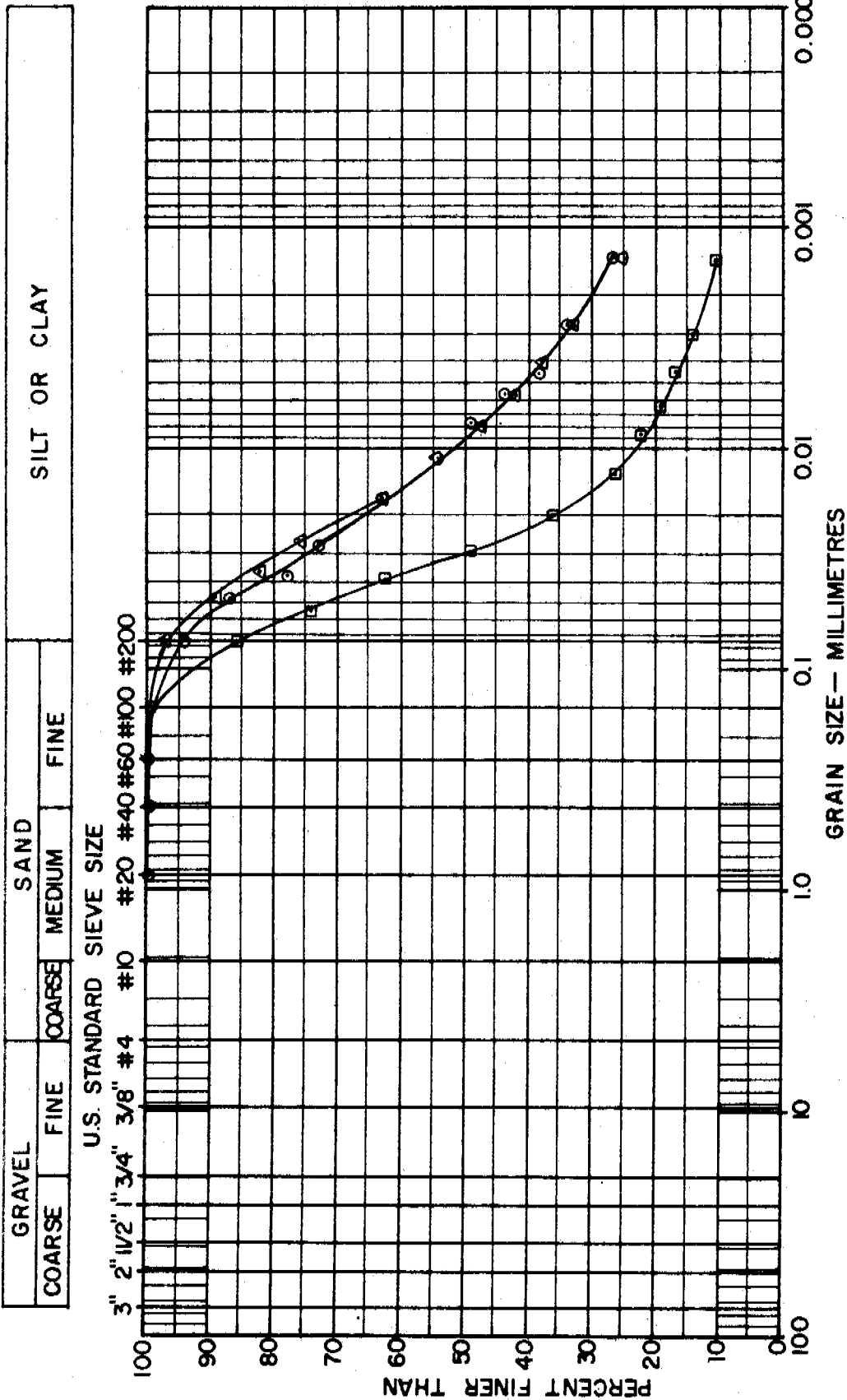
PROJECT

LOCATION 443-C-A

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



Ripley, Kiohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

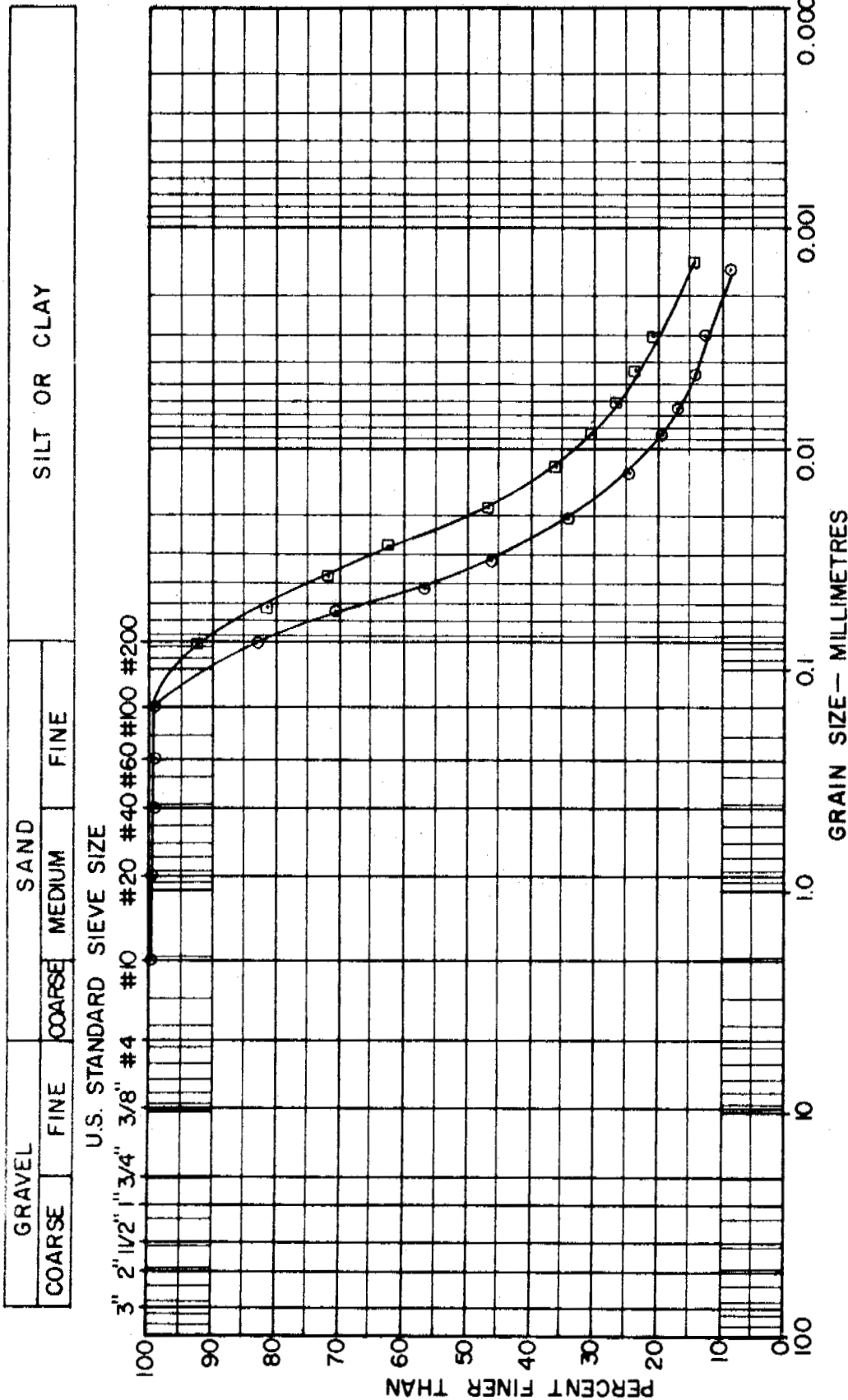
LOCATION 443-C-D

HOLE No.

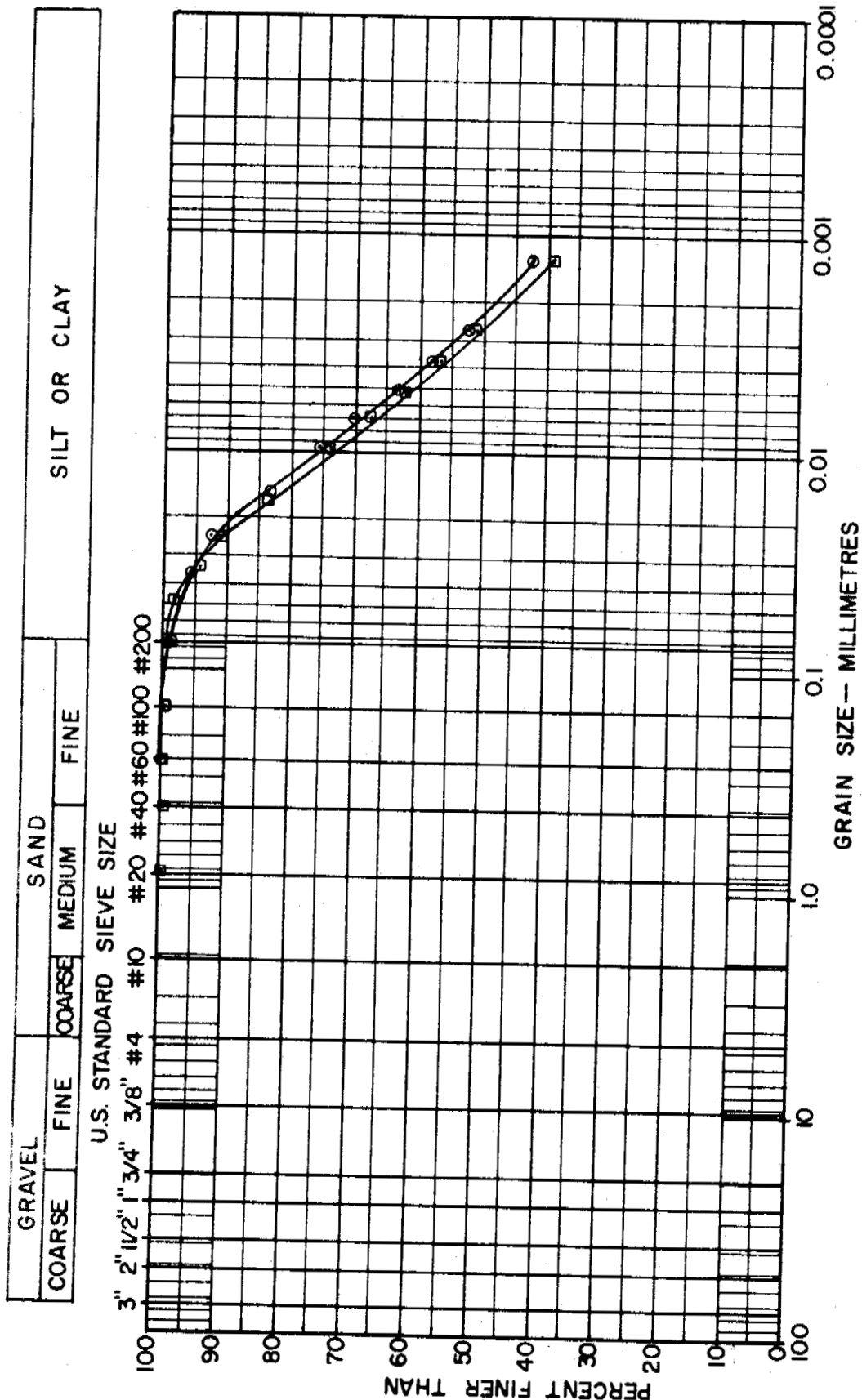
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ☐ Sample No 2 - 10 ft.

☐ Sample No. 4 - 20 ft.



Ripley, Kohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

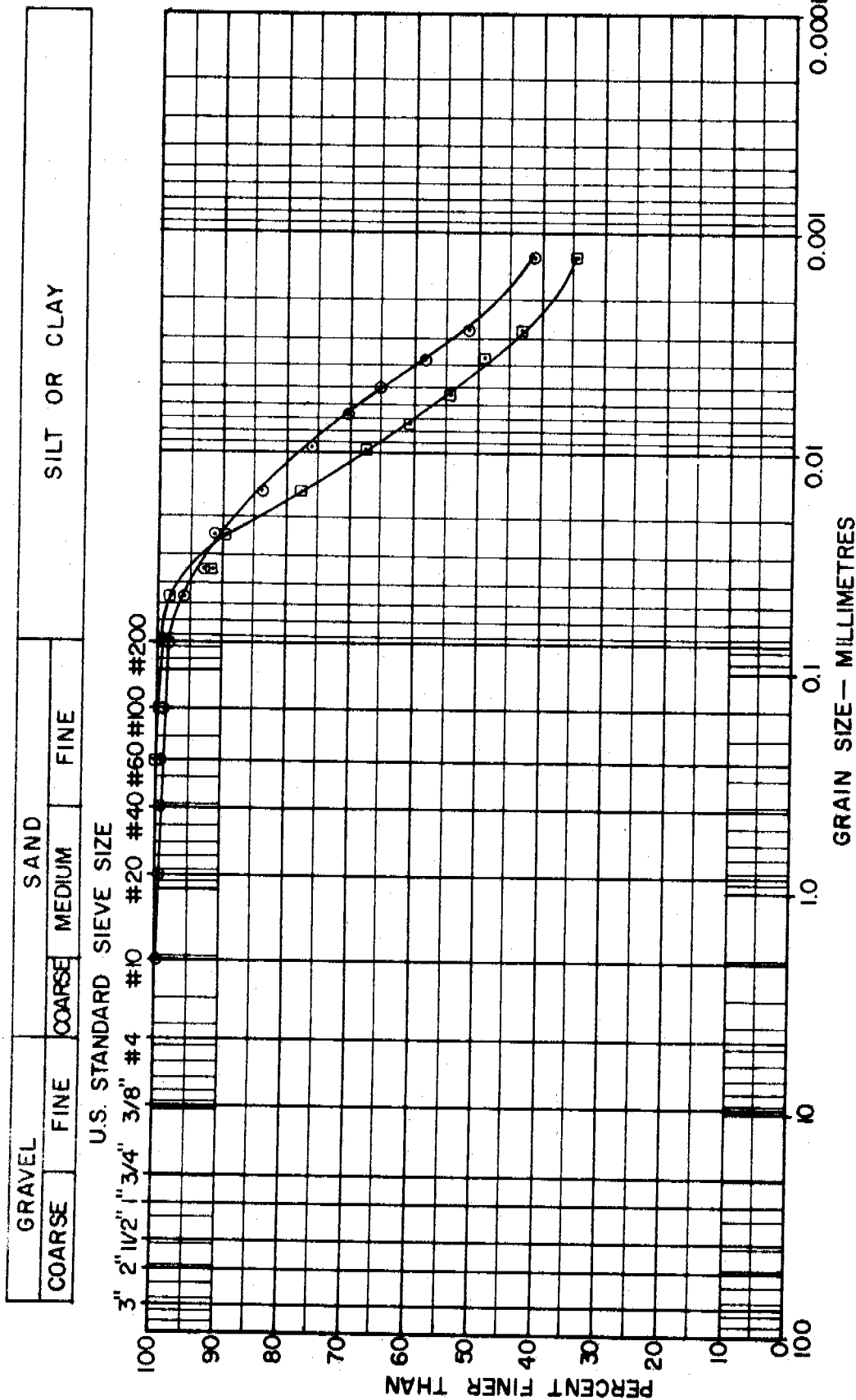
LOCATION 445-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

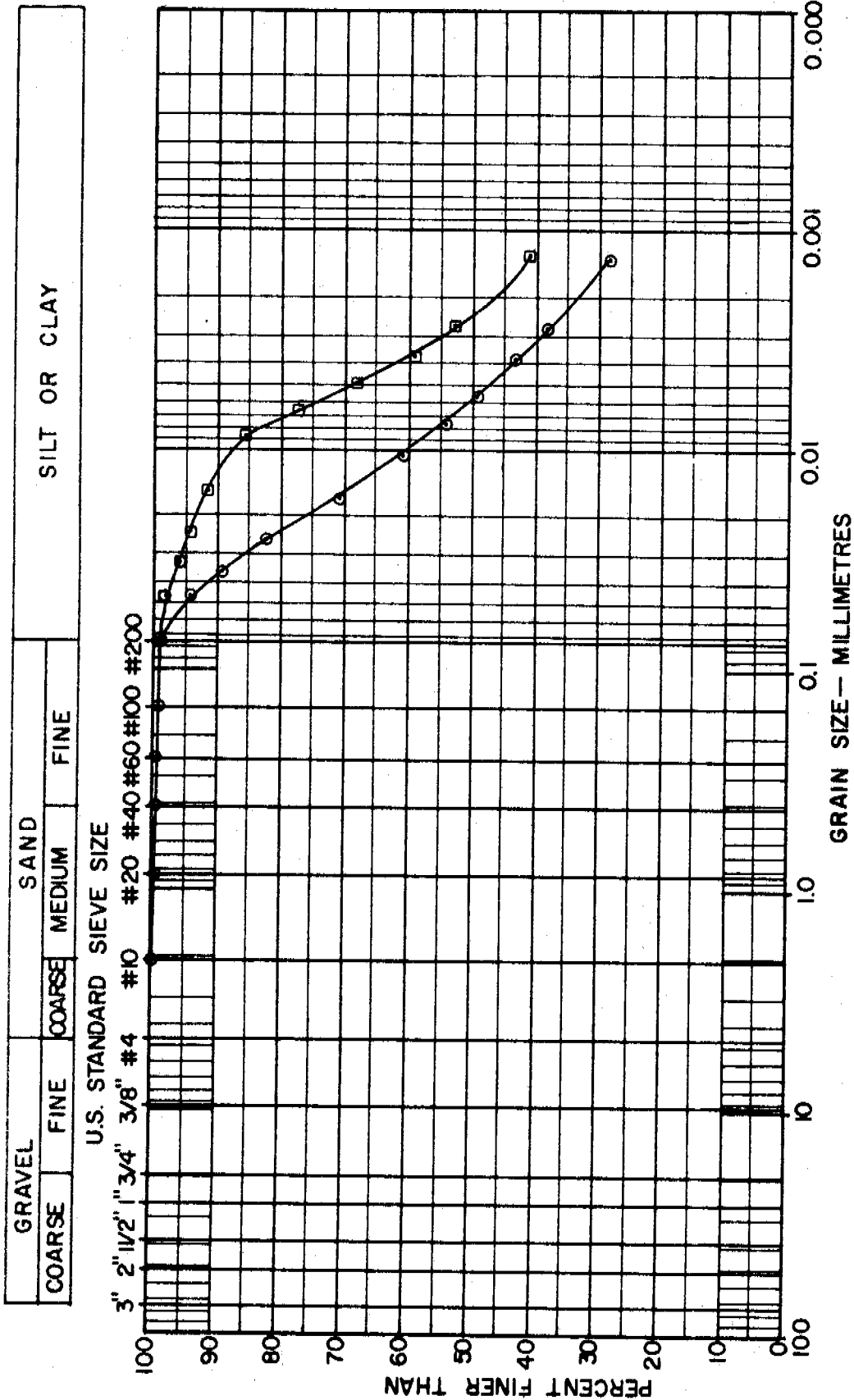
LOCATION 446-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 2 - 10 ft.

□ Sample No. 3 - 15 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

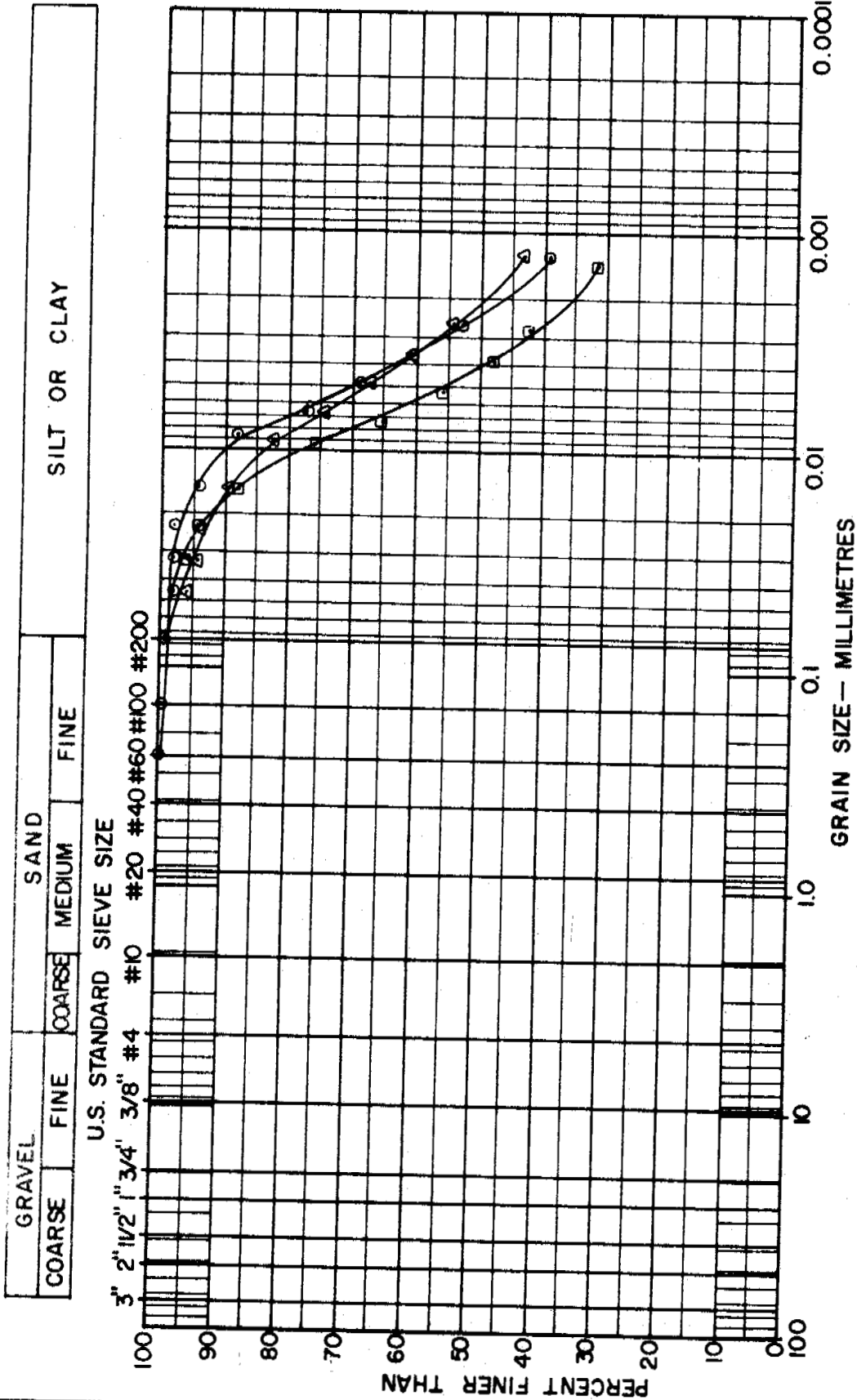
LOCATION 447-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 1 - 5 ft.

@ Sample No. 2 - 10 ft.

Δ Sample No. 3 - 15 ft.



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JOB No. AL0307

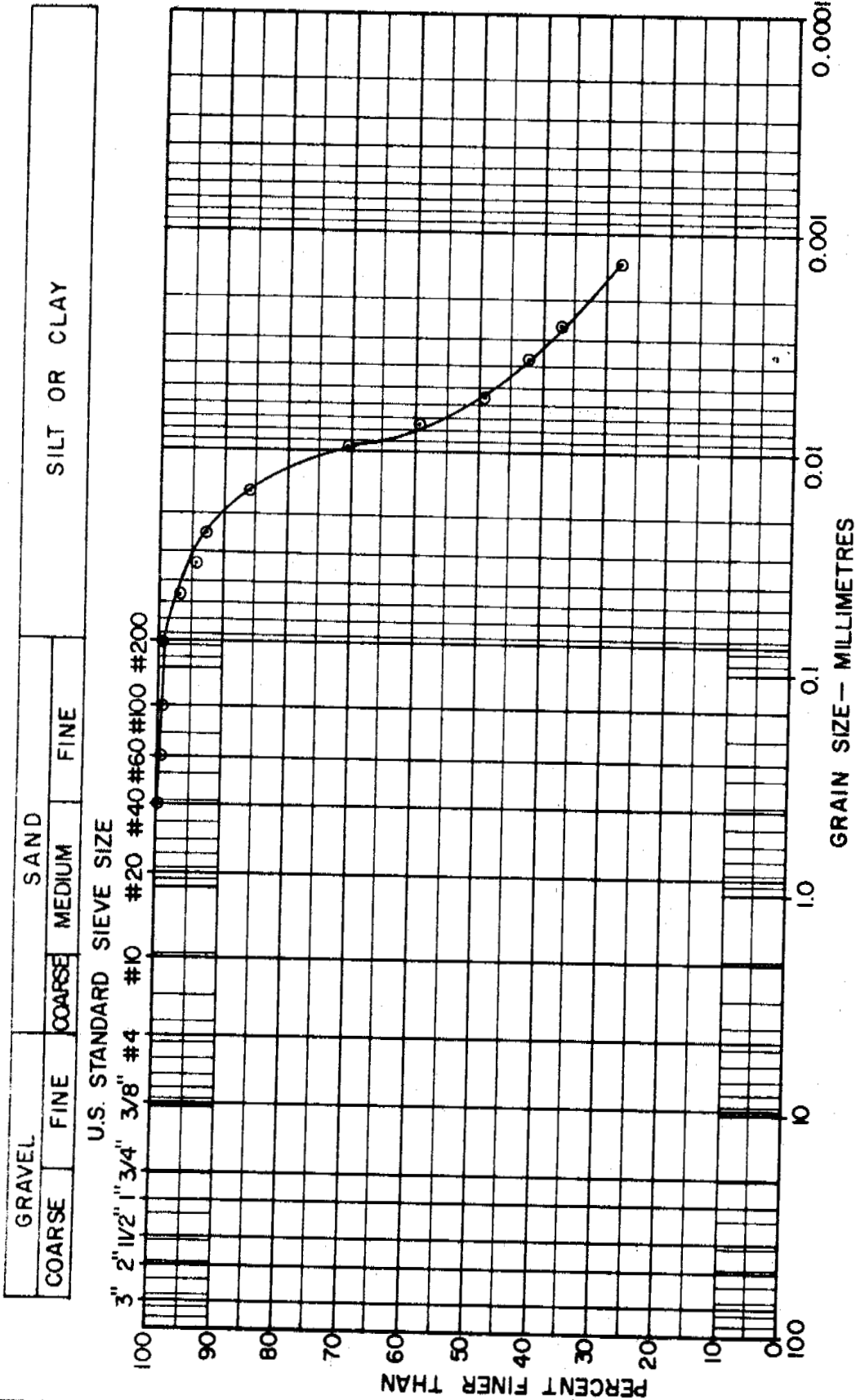
PROJECT

LOCATION 447-C-D

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ϕ Sample No. 2 - 10 ft.



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JOB No. AL0307

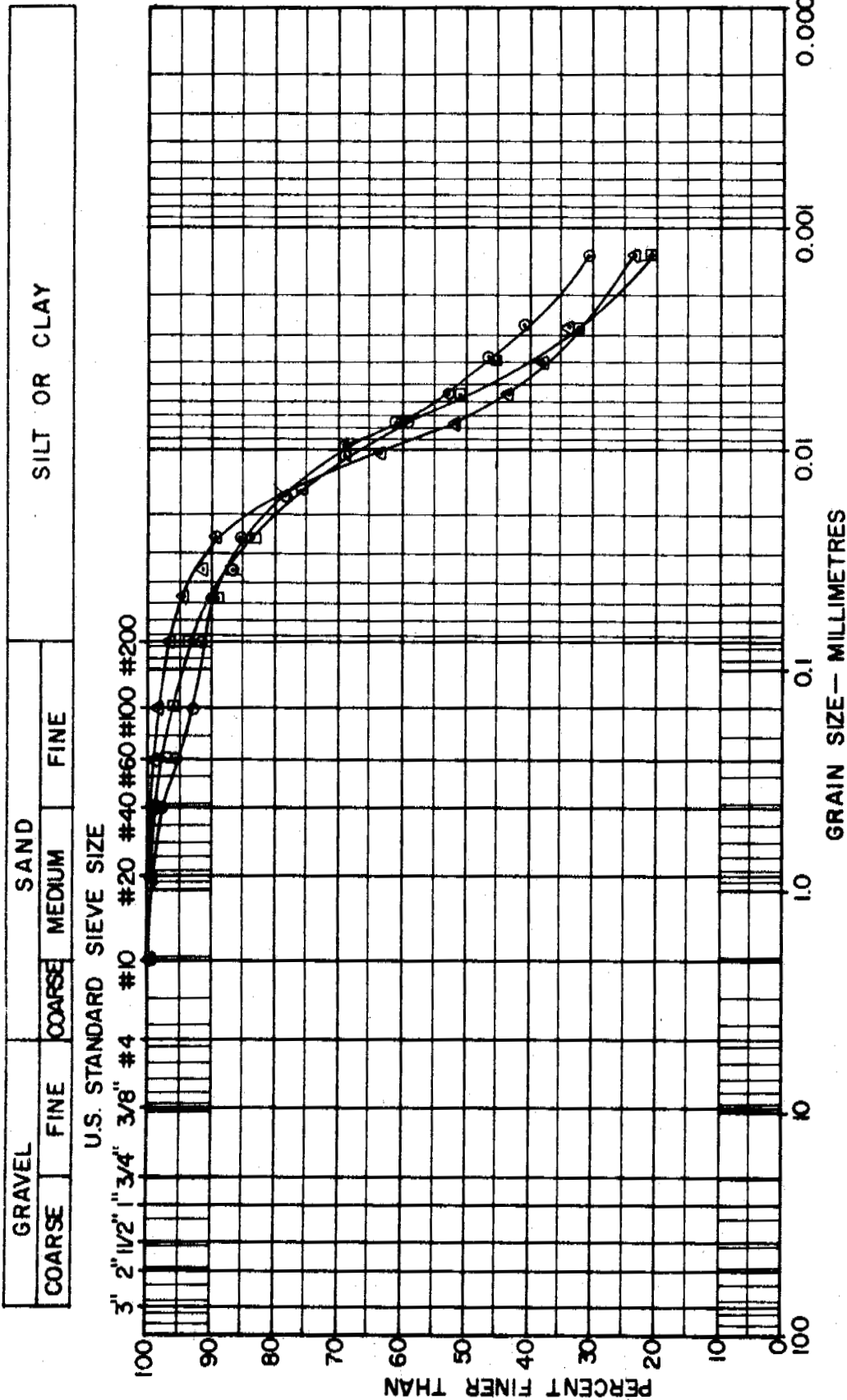
PROJECT

LOCATION 447-C-N

HOLE No. DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Klohn & Leonoff International Ltd.
 CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

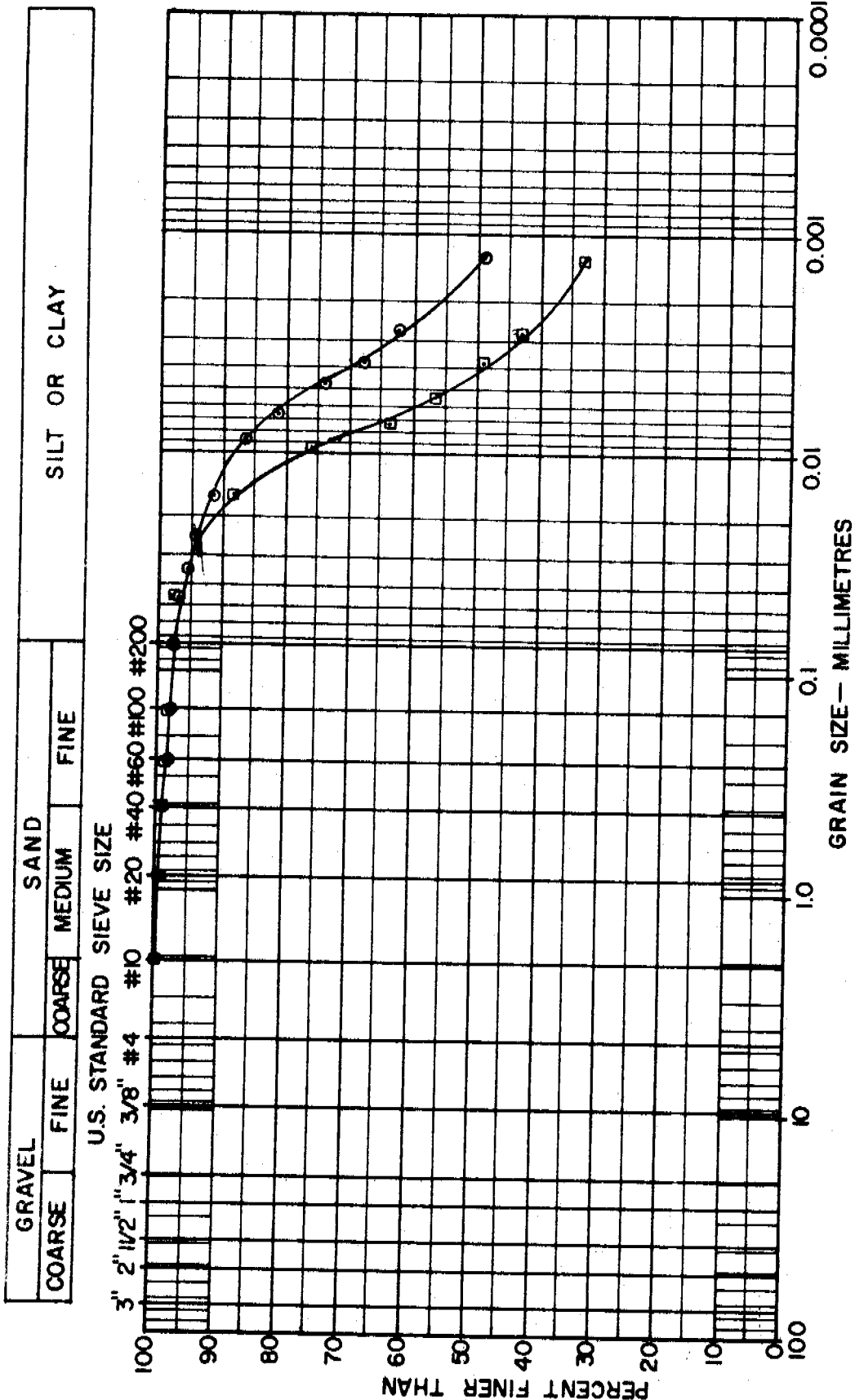
LOCATION 448-S-B

HOLE No.

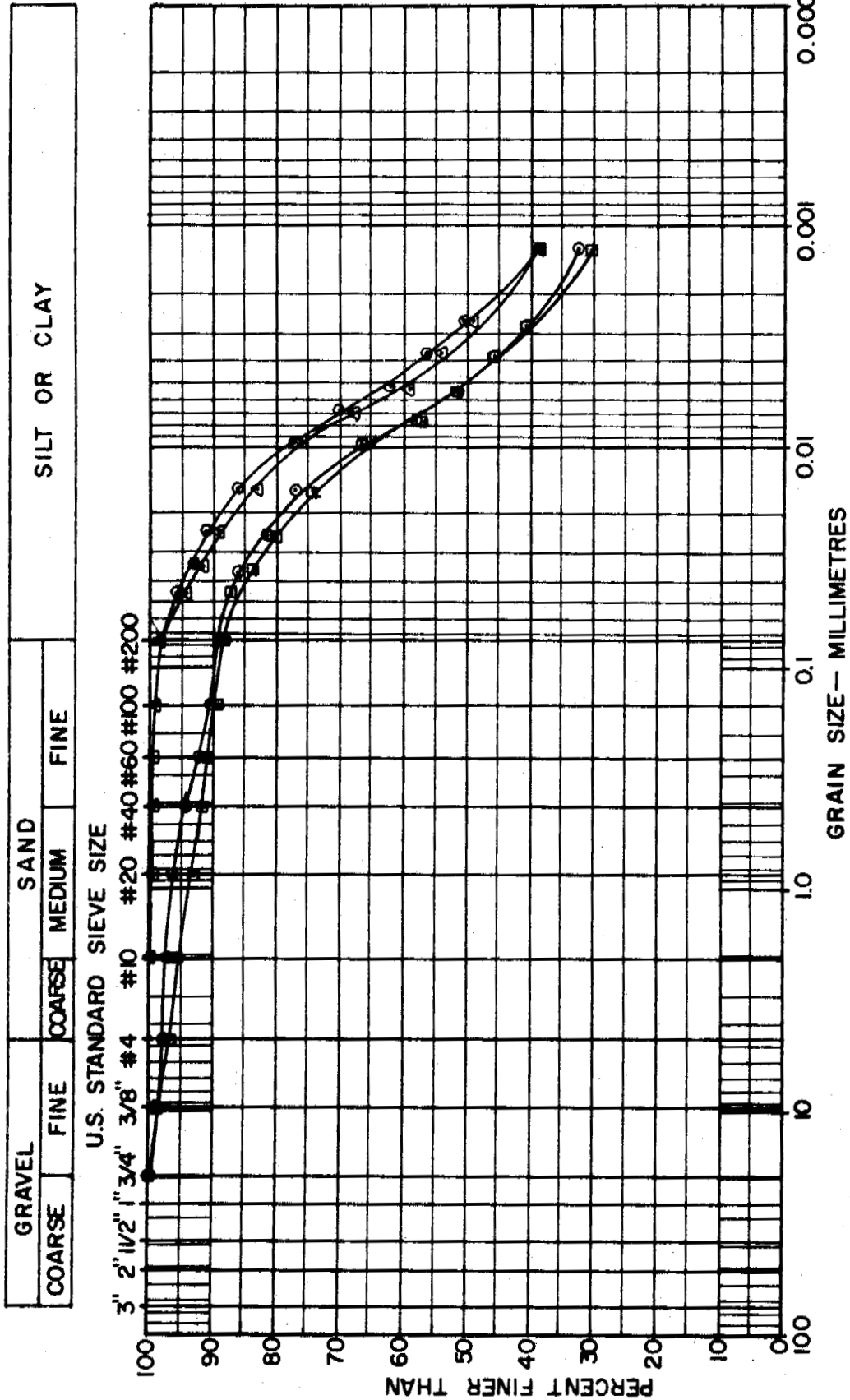
DEPTH

DATE

GRAIN SIZE CURVE



GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.

○ Sample No. 4 - 20 ft.



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

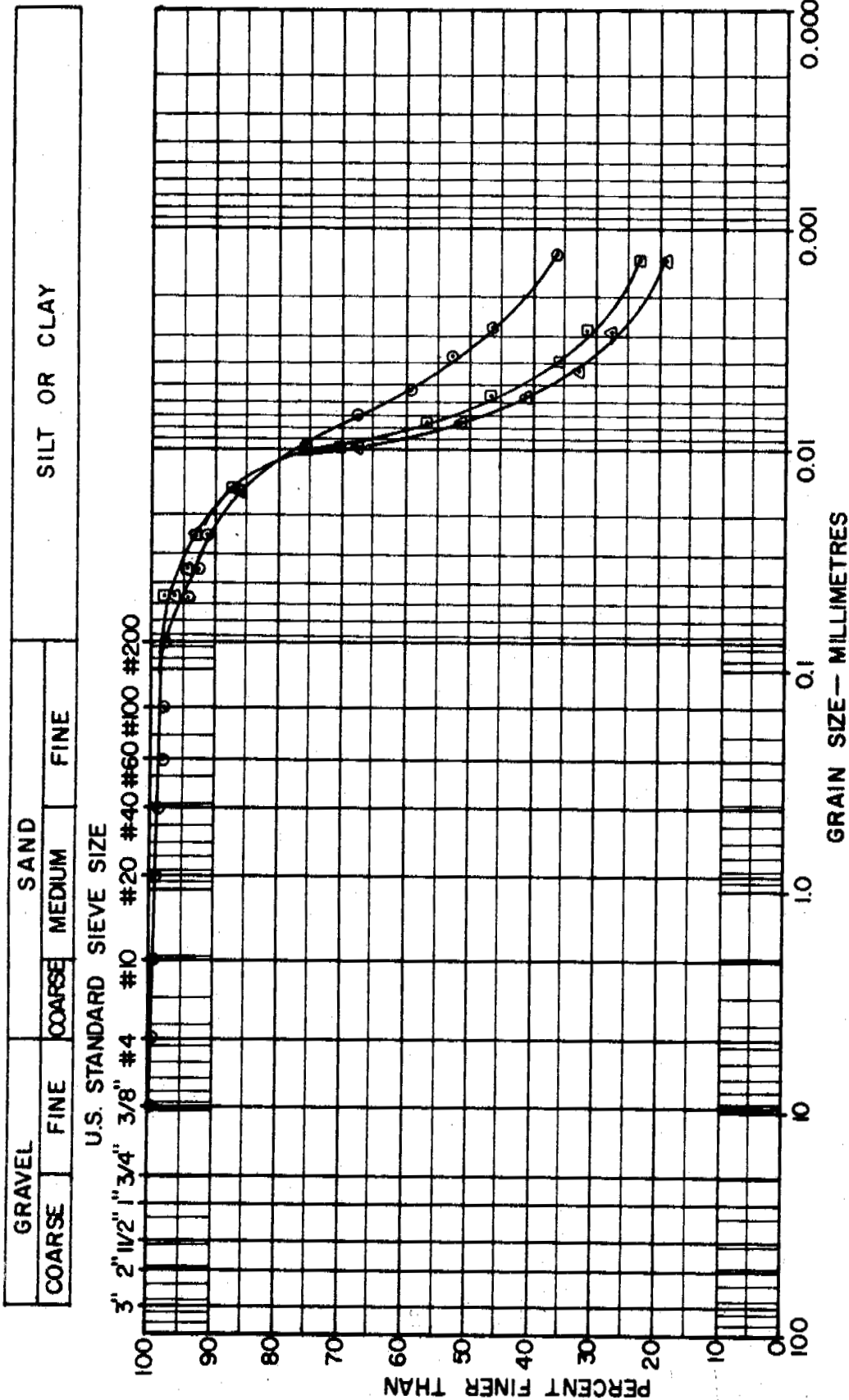
LOCATION 448-S-F

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



Ripley, Kohn & Leonoff International Ltd.
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JOB No. AL0307

PROJECT

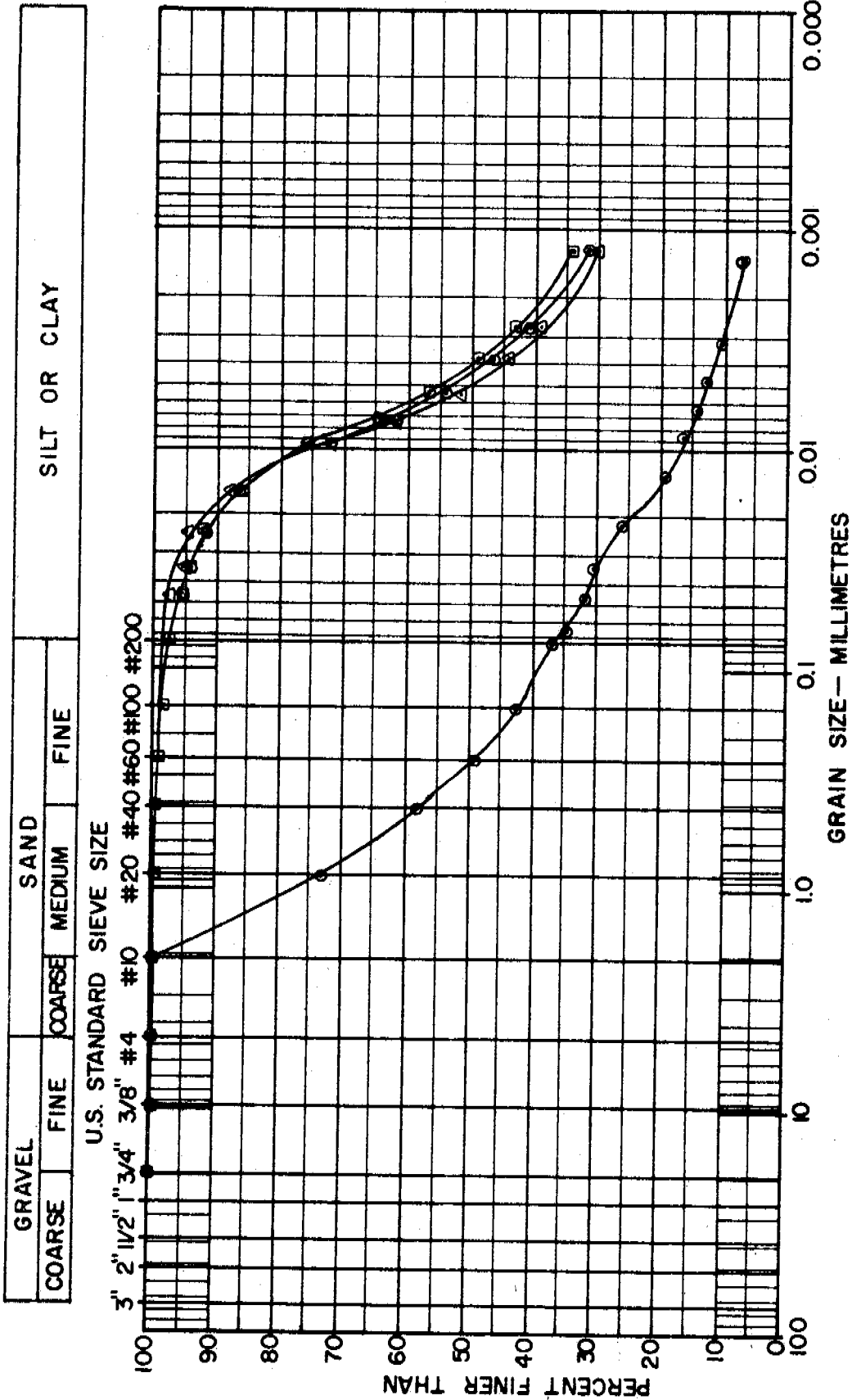
LOCATION 448-S-G

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 2 - 10 ft.

□ Sample No. 1 - 5 ft.

△ Sample No. 3 - 15 ft.

○ Sample No. 4 - 20 ft.



Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

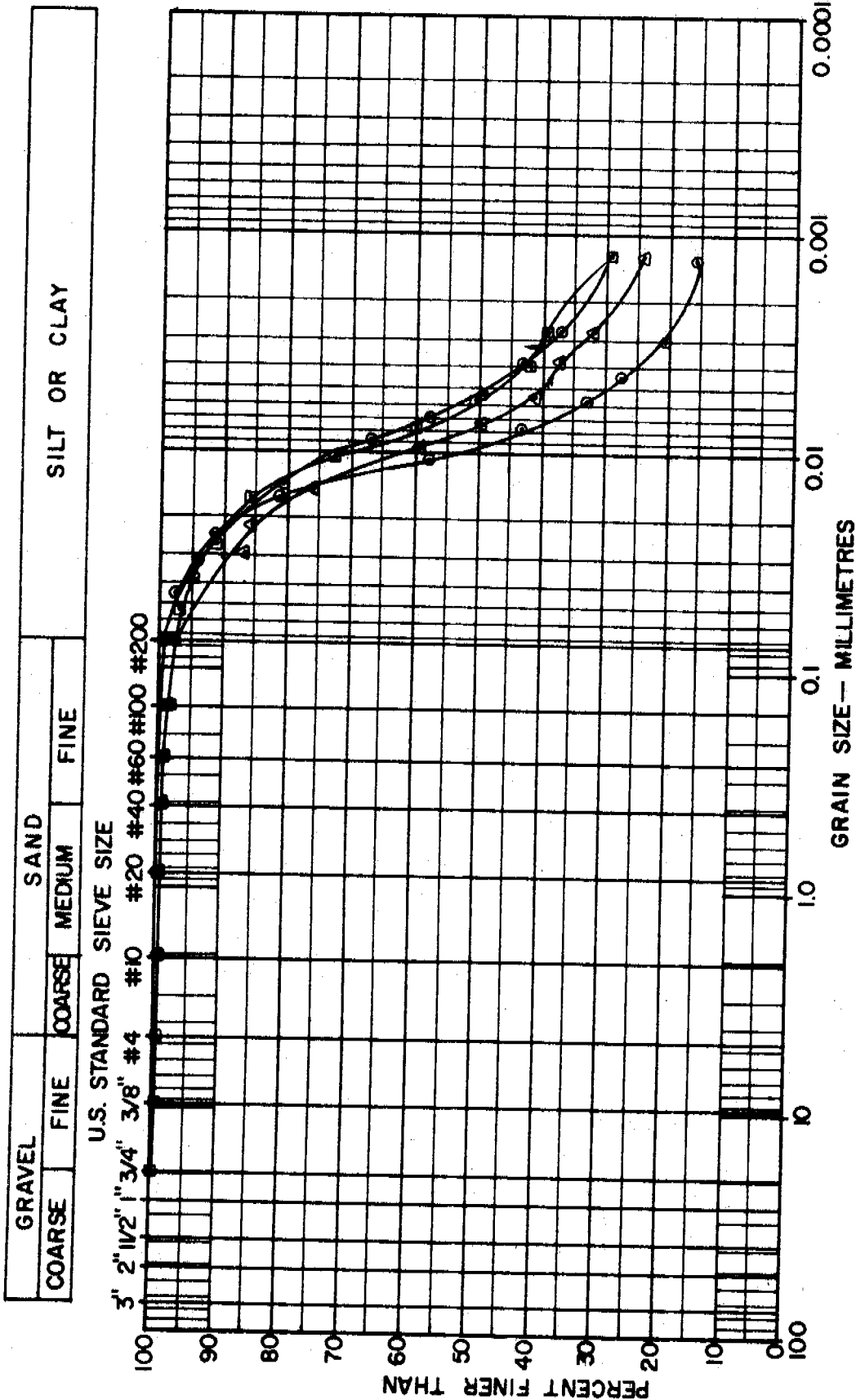
LOCATION 448-S-N

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



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CONSULTING GEOTECHNICAL ENGINEERS

JOB No. AL0307

PROJECT

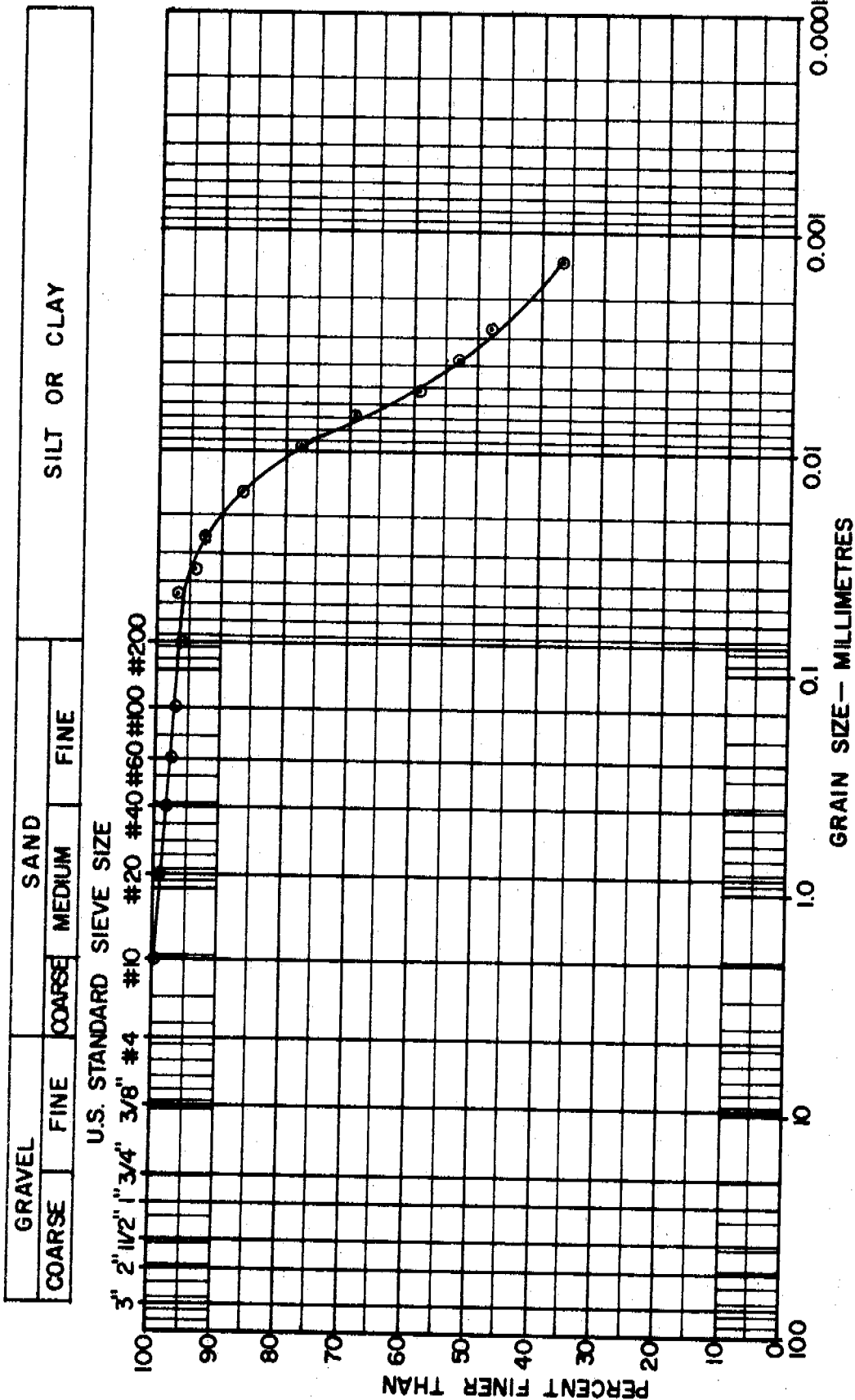
LOCATION 448-S-S

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: @ Sample No. 2 - 10 ft.



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JOB No. AL0307

PROJECT

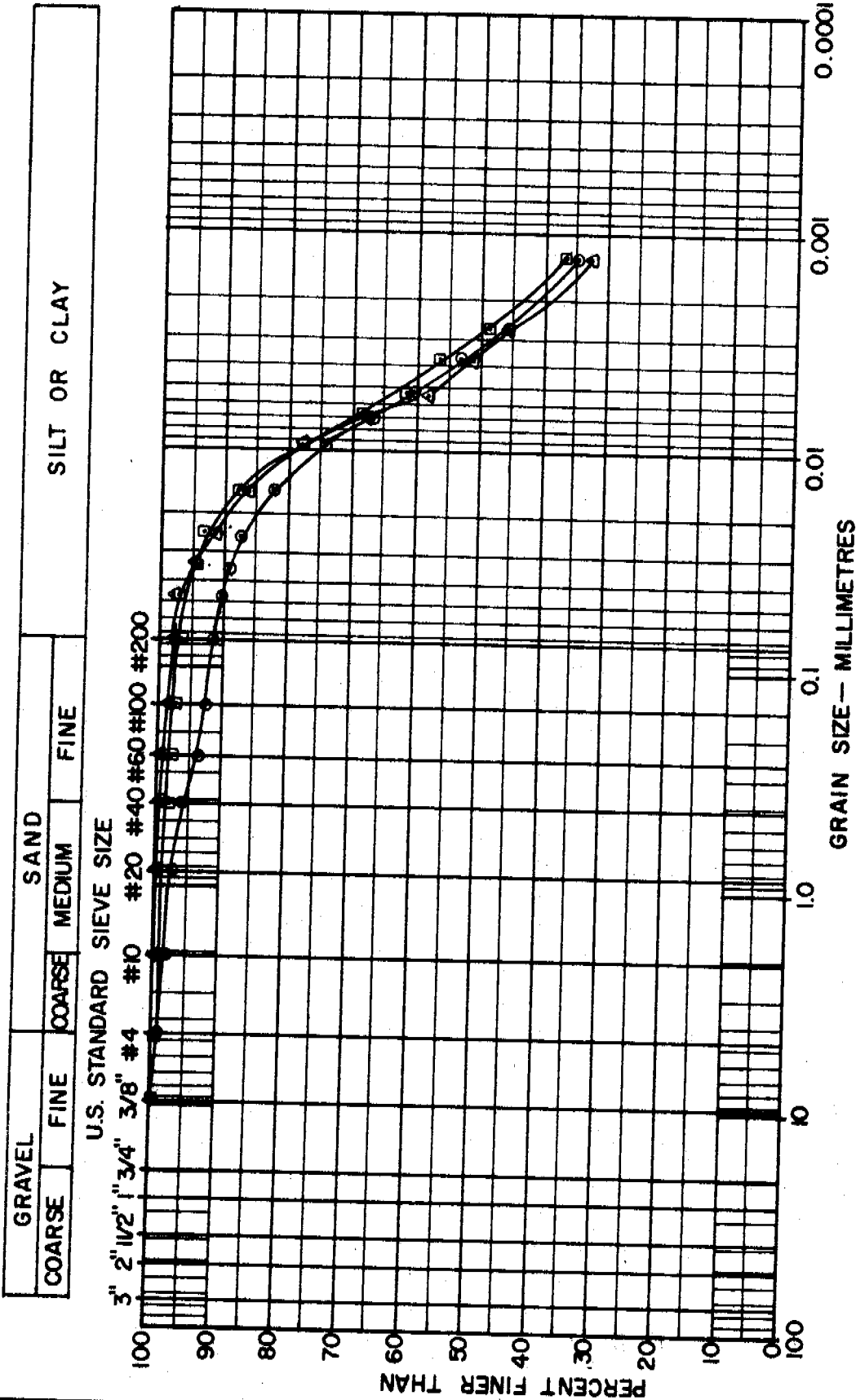
LOCATION 449-C-A

HOLE No.

DEPTH

DATE

GRAIN SIZE CURVE



REMARKS: ○ Sample No. 1 - 5 ft.

□ Sample No. 2 - 10 ft.

△ Sample No. 3 - 15 ft.



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JOB No. AL0307

PROJECT

LOCATION 449-C-D

HOLE No.

DEPTH

DATE

SPECIALIZED LABORATORY TESTING



Ripley, Kohn & Leonoff International Ltd.

CONSULTING GEOTECHNICAL ENGINEERS

E. W. SPEER
Manager

D. M. DAVISON
Director Prairie Region

140 1st AVENUE S.W. CALGARY 1, ALBERTA • PHONE (403) 263-7830
CABLE RIPSOIL CGY • TELEX 038-24621

May 8, 1973

Our File No.: AL0307

Acres Consulting Services Ltd.
990, 125 Palliser Square
Calgary, Alberta

Attention: Mr. D. Beckett, P. Eng.

Dear Sir:

Re: Shear Strength Test Results

Attached are triaxial test results on reconstituted till samples from your Mackenzie Highway program.

A summary of the results is given below:

LOCATION	TYPE OF TRIAXIAL TEST	SOIL TYPE	C'	ϕ'
Mile 438-450	Consolidated undrained	Silty till	0	33.2°
Mile 430-437	Consolidated drained	Sandy till	2.5 psi	38°
Mile 400-430	Consolidated drained	Clayey till	1.5 psi	30.5°

Yours very truly,

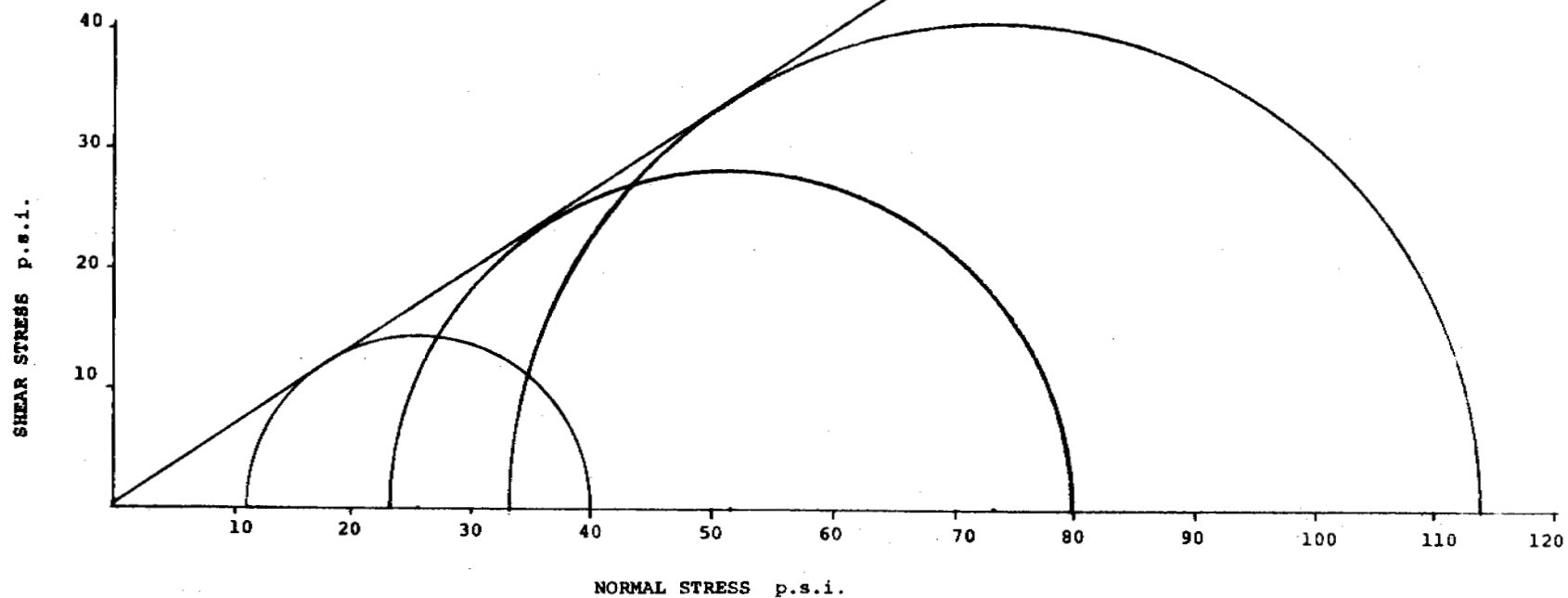
RIPLEY, KLOHN & LEONOFF INTERNATIONAL LTD.

E. W. Speer, P. Eng.,
Manager

EWS/fj
Encl.

COMPACTION			TRIAXIAL STRESS		
BULK DENSITY p.s.i.	MOISTURE %	DRY DENSITY p.s.i.	p.s.i.	p.s.i.	STRAIN %
137.8	11.7	123.3	11.0	39.4	4.4
136.1	11.7	122.1	23.0	56.2	8.0
136.4	11.7	122.3	32.8	80.7	10.1

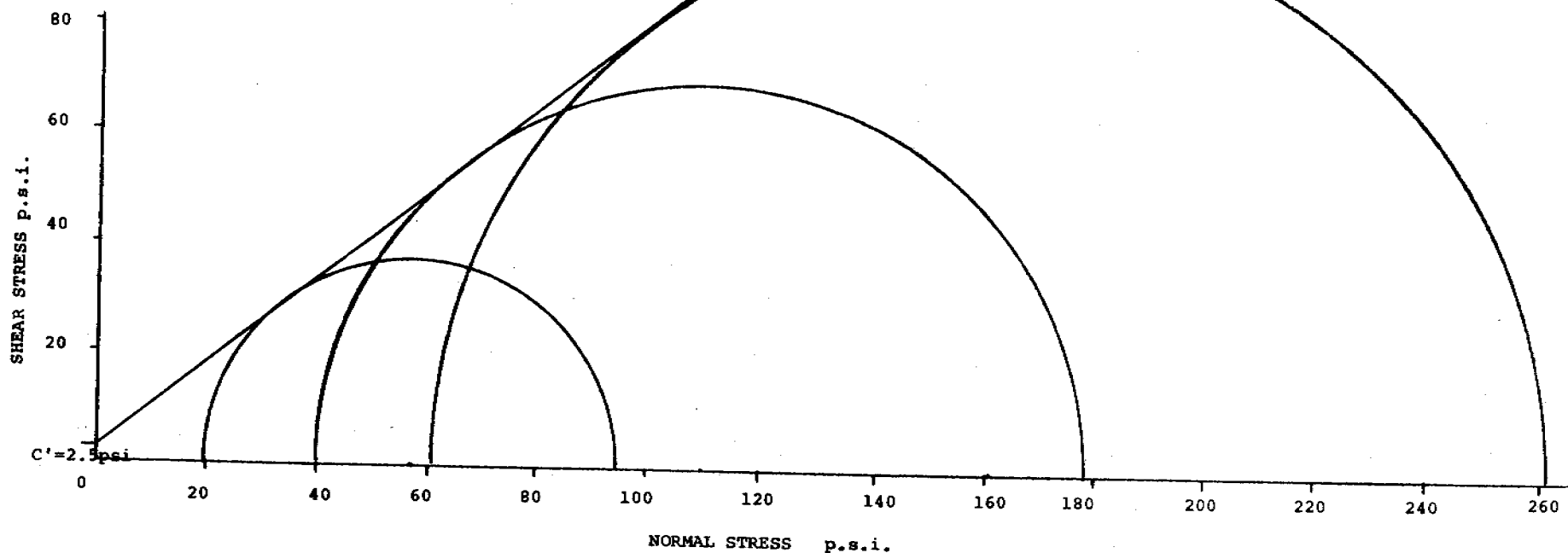
Note: Stress values at maximum principle stress ratio.



UNDRAINED TRIAXIAL
SILTY TILL
LOCATION - MILE - 438-450

COMPACTION			TRIAXIAL STRESS		
BULK DENSITY p.s.i.	MOISTURE %	DRY DENSITY p.s.i.	p.s.i.	p.s.i.	FAILURE STRAIN %
140.7	9.5	128.5	20	73.3	4.3
139.2	9.5	127.3	40	137.8	8.7
139.8	9.5	127.6	60	202.0	11.8

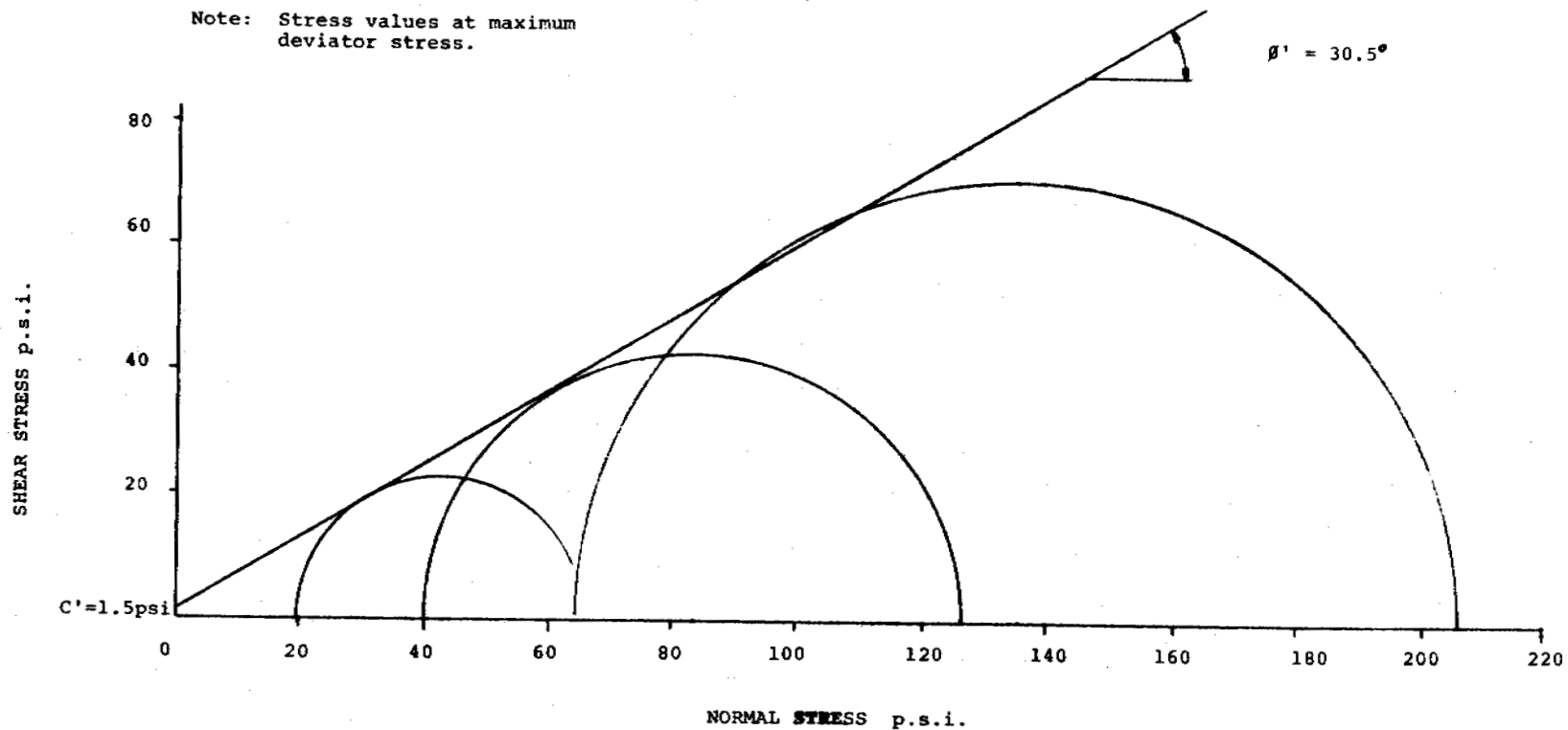
Note: Stress values at maximum deviator stress



DRAINED TRIAXIAL TEST
SANDY TILL
LOCATION - Mile - 430-437

COMPACTION			TRIAXIAL STRESS		
BULK DENSITY p.s.i.	MOISTURE %	DRY DENSITY P.S.I.	p.s.i.	p.s.i.	FAILURE STRAIN %
139.2	10.2	126.2	20	45.6	19.5
139.5	10.2	126.5	40	86.2	19.0
141.1	10.2	128.0	64	142.0	18.2

Note: Stress values at maximum deviator stress.

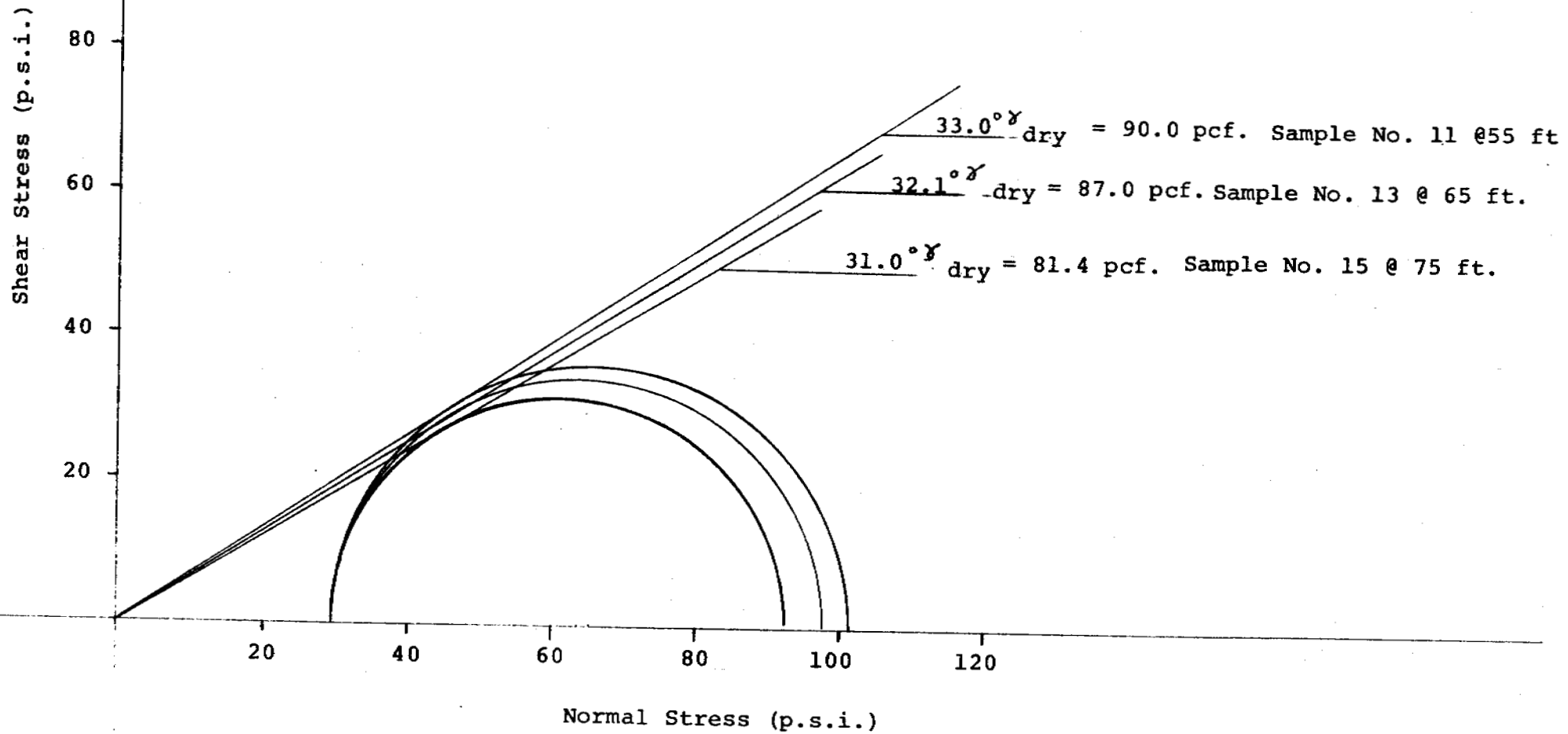


DRAINED TRIAXIAL
CLAYEY TILL
LOCATION - Mile - 400-430

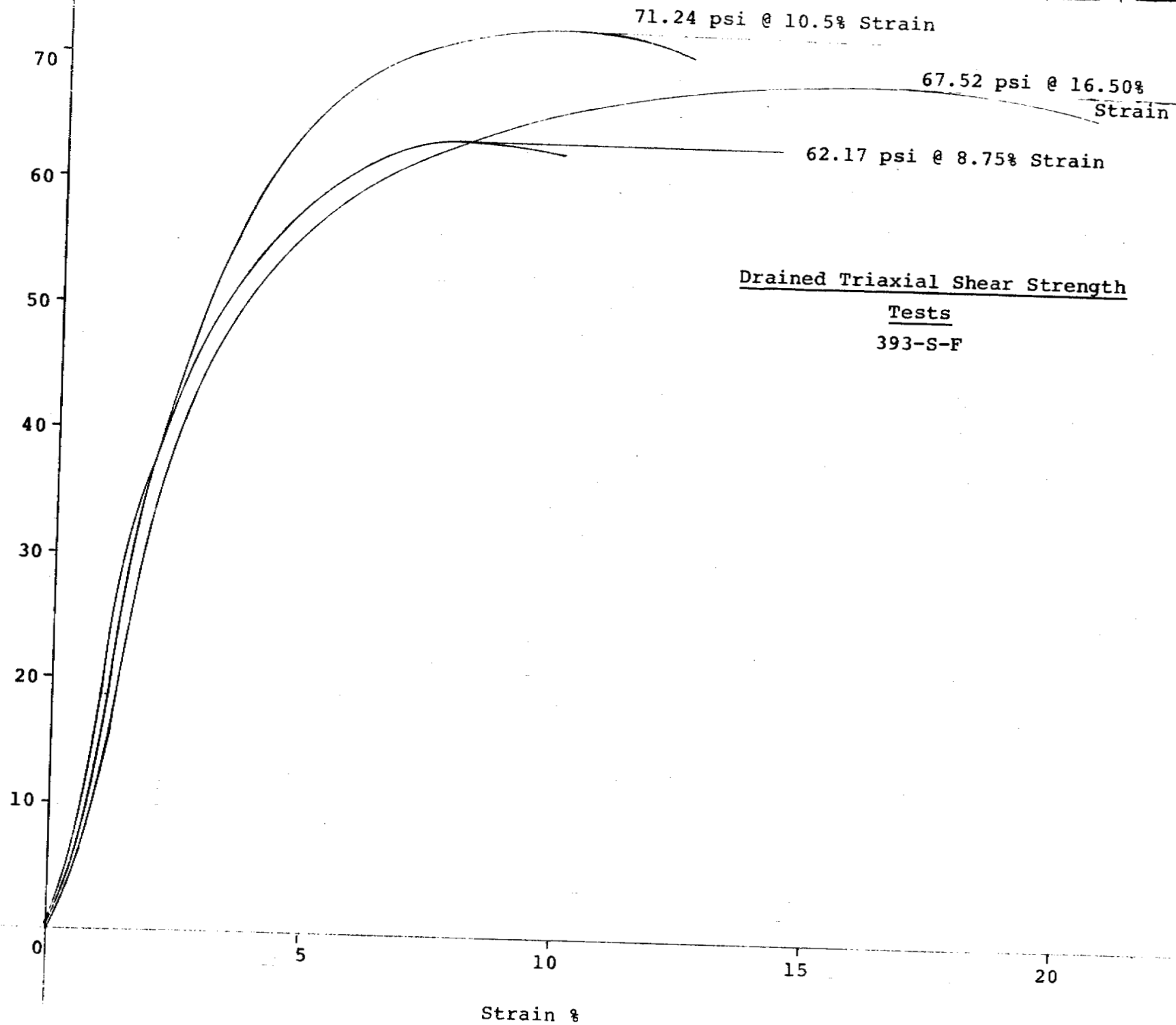
Drained Triaxial Shear Strengths

Mile - 393-S-F

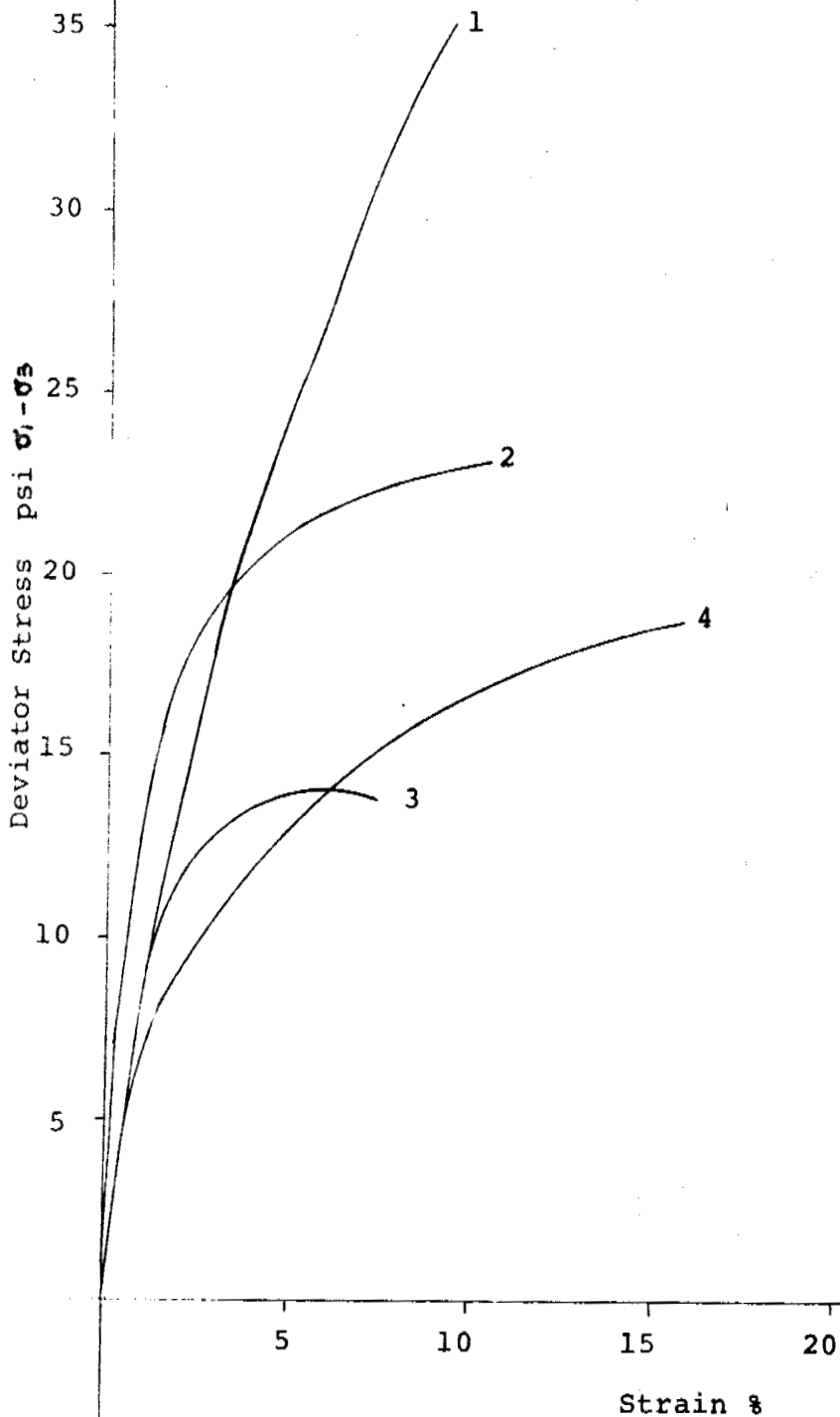
AL-0307



$\sigma_1 - \sigma_3$
psi

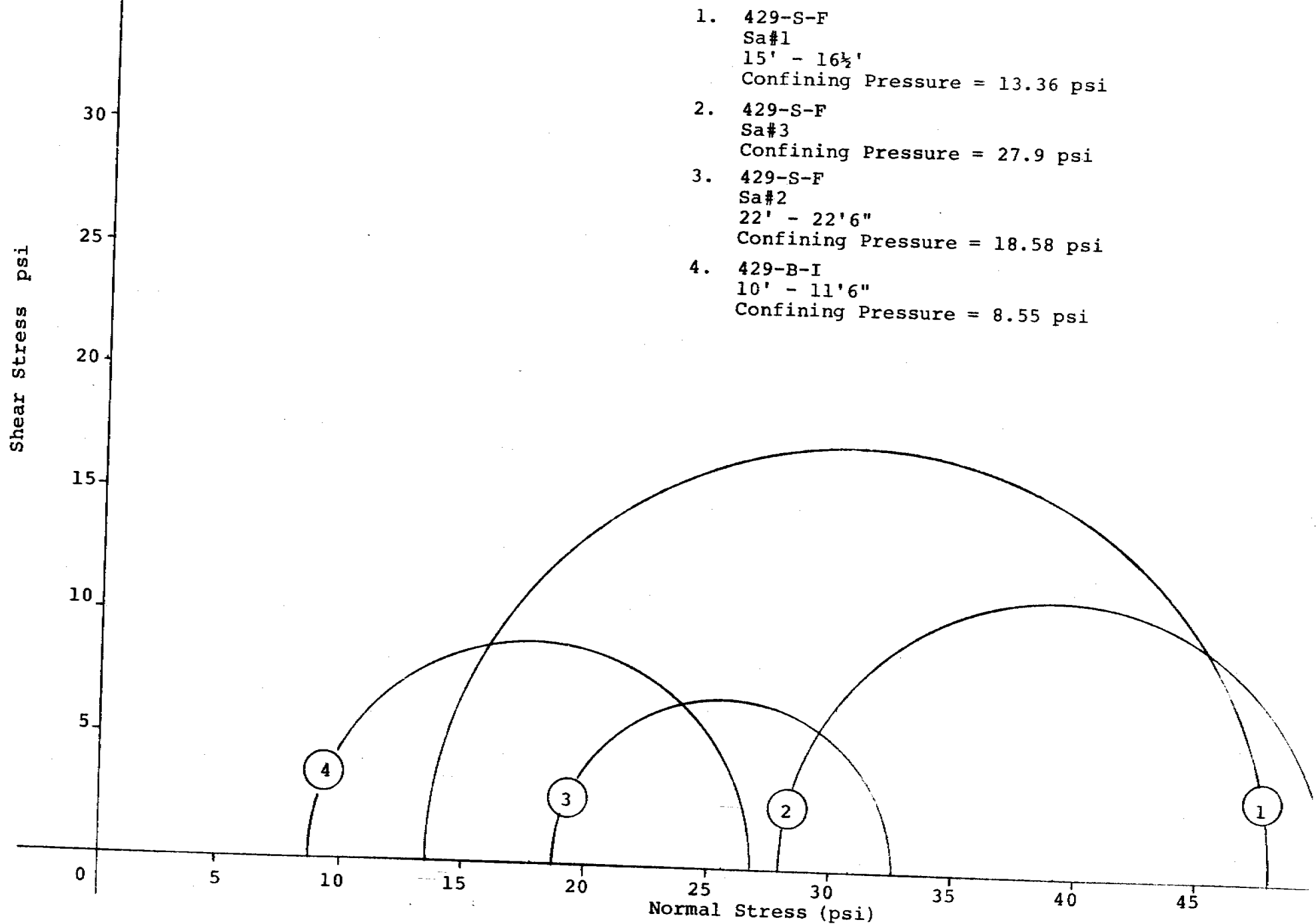


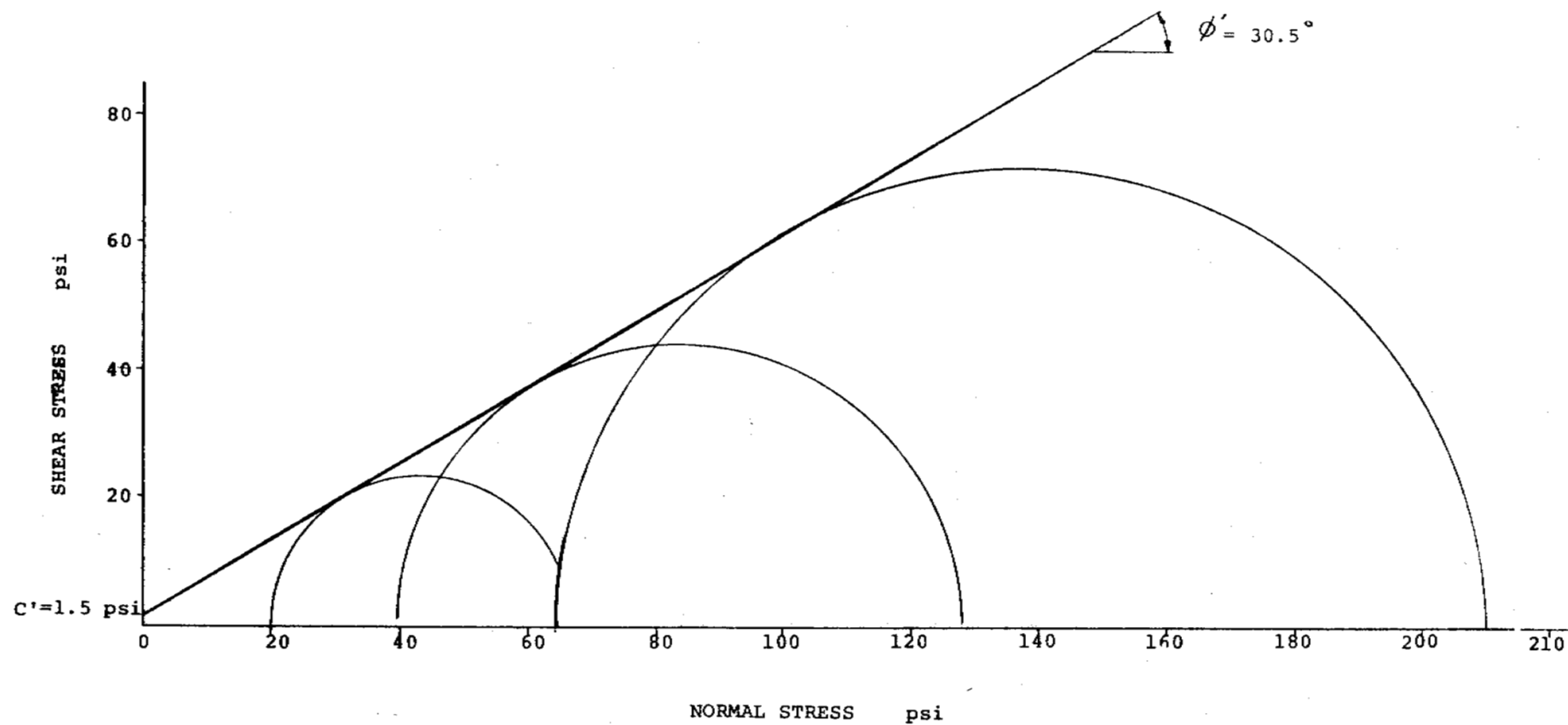
Undrained "Quick" Triaxial Shear Strength



1. 429-S-F
Sa# 2
15' - 16½'
Confining Pressure = 13.36 psi
2. 429-S-F
Sa# 4 22' - 23'
30' - 31'6"
Confining Pressure = 27.9 psi
3. 429-S-F
Sa# 3
22' - 22'6"
Confining Pressure = 18.58 psi
4. 429-B-I
10' - 11'6"
Confining Pressure = 8.55 psi

Undrained Triaxial Shear Strength





TYPICAL EMBANKMENT FILL MATERIALS

SILTY TILL
LOCATION - Mile - 400 - 430

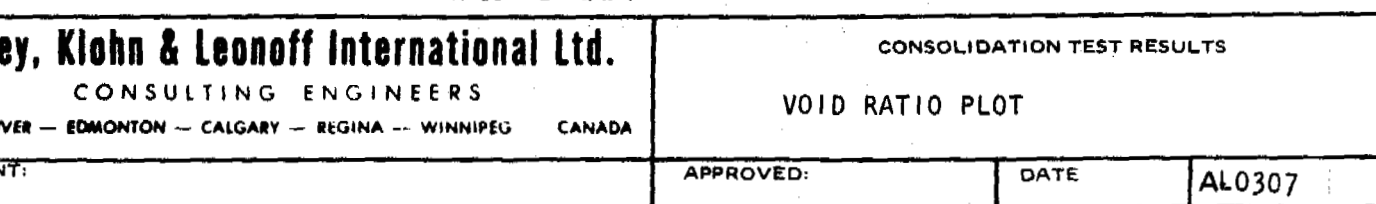
RESULTS OF THAW CONSOLIDATION TESTS RUN
ON FROZEN COHESIVE SAMPLES

HOLE NO.	SAMPLE NO.	DEPTH	% CONSOLIDATION	MOISTURE CONTENT
394-S-F	4	15-16'	0.34	4.9
396-S-B	3	15-16.5'	0.36	4.1
396-S-B	4	20-21'	2.27	8.6
396-S-B	5	25-26'	2.37	7.2

396-S-B sample 2 at 10' - 11.5', thaw consolidation test not done
as Shelby Tube was damaged not possible to get undisturbed sample.

By Ripley, Kohn & Leonoff International Limited

--



AL0307



COMPACTION TEST

LAB. ORDER -

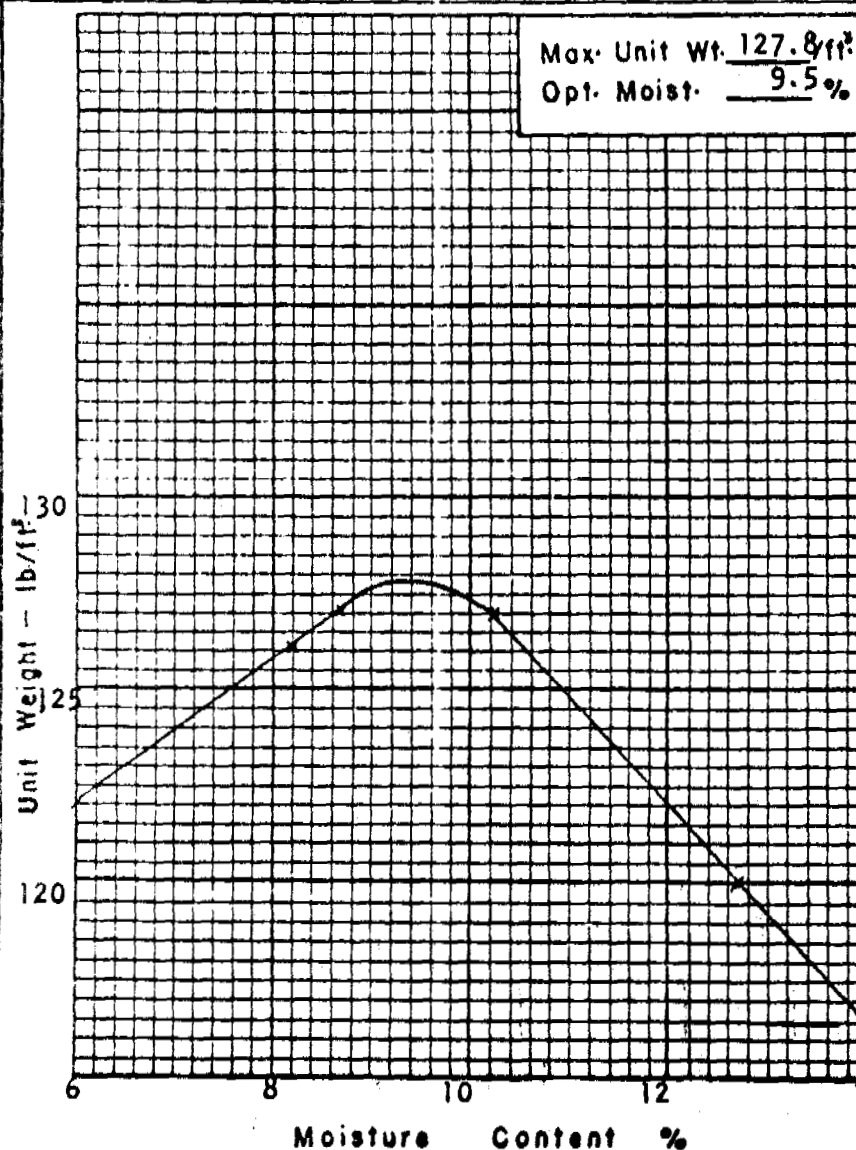
PROJECT AL0307

SAMPLE Sandy Till

HOLE DEPTH

TECHNICIAN I.A/D. DATE April 13, 1973

Trial Number							
Unit Weight Determination	Mold No.						
	Wt. Sample Wet + Mold						
	Wt. Mold						
	Wt. Sample Wet						
	Volume Mold						
	Wet Unit Weight lb/ft ³						
Moisture Content Determination	Dry Unit Weight lb/ft ³	122.1	126.2	127.0	120.3		
	Container No.						
	Wt. Sample Wet + Tare						
	Wt. Sample Dry + Tare						
	Wt. Water						
	Tare Container						
Moisture Content	Wt. Dry Soil						
	Moisture Content	6.0	8.2	10.2	12.7		



Method of Compaction

Standard Proctor

Diam. Mold

Height Mold

Volume Mold

No. of Layers

Blows per Layer

Ht. of Free Fall

Wt. of Tamper

Shape of Tamping Face

Description of Sample

Remarks Combination of
Various sandy till samples.

Test #3



COMPACTION TEST

LAB. ORDER -

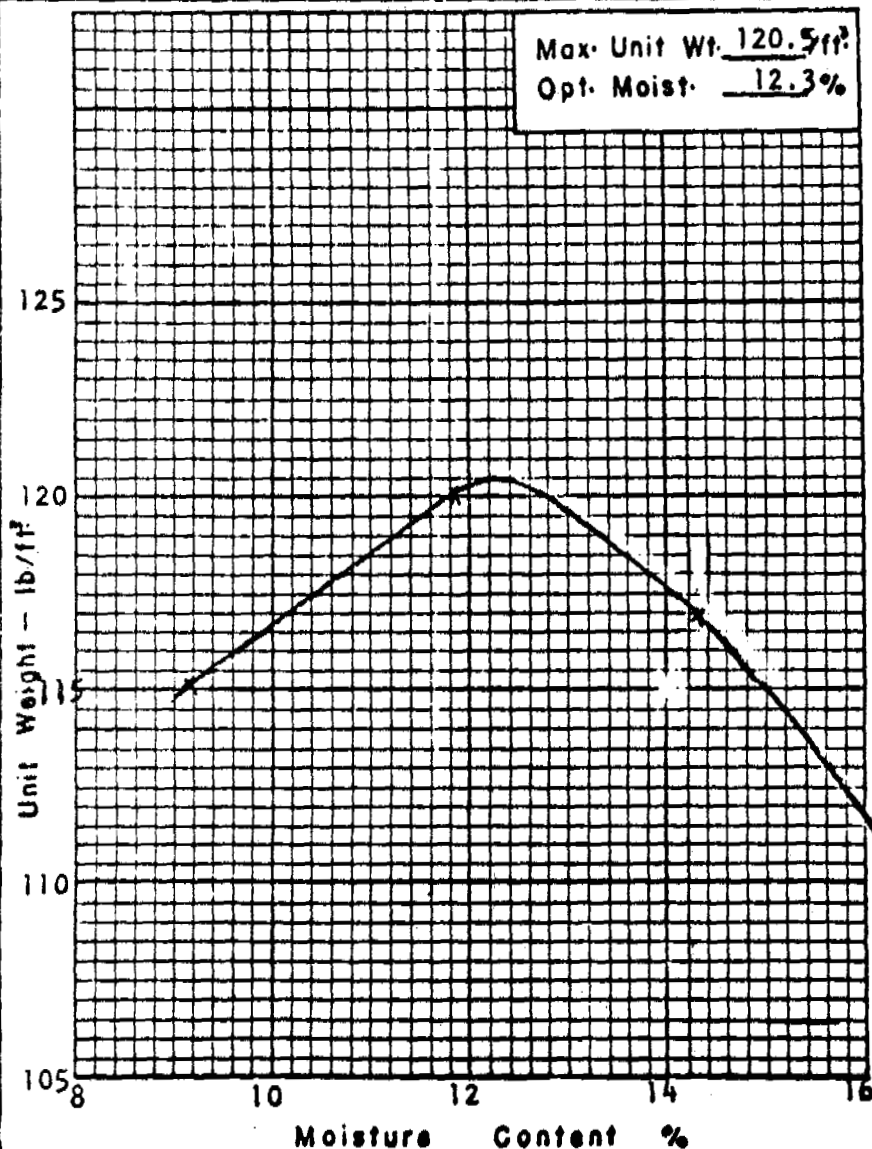
PROJECT AL0307

SAMPLE T111-(366-386)

HOLE DEPTH

TECHNICIAN A.D. DATE April 13, 1973

Trial Number							
Unit Weight Determination	Mold No.						
	Wt. Sample Wet + Mold						
	Wt. Mold						
	Wt. Sample Wet						
	Volume Mold						
	Wet Unit Weight lb/ft ³						
Moisture Content Determination	Dry Unit Weight lb/ft ³	120	117	115.2	109.5		
	Container No.						
	Wt. Sample Wet + Tare						
	Wt. Sample Dry + Tare						
	Wt. Water						
	Tare Container						
	Wt. Dry Soil						
	Moisture Content	11.8	14.3	9.2	16.6		

Method of Compaction _____
Standard Proctor

Diam. Mold _____
Height Mold _____
Volume Mold _____
No. of Layers _____
Blows per Layer _____
Ht. of Free Fall _____
Wt. of Tamper _____
Shape of Tamping Face _____
Description of Sample _____

Remarks Test #2



COMPACTION TEST

LAB. ORDER -

PROJECT AL0307

SAMPLE 400-430 (Silty Till)

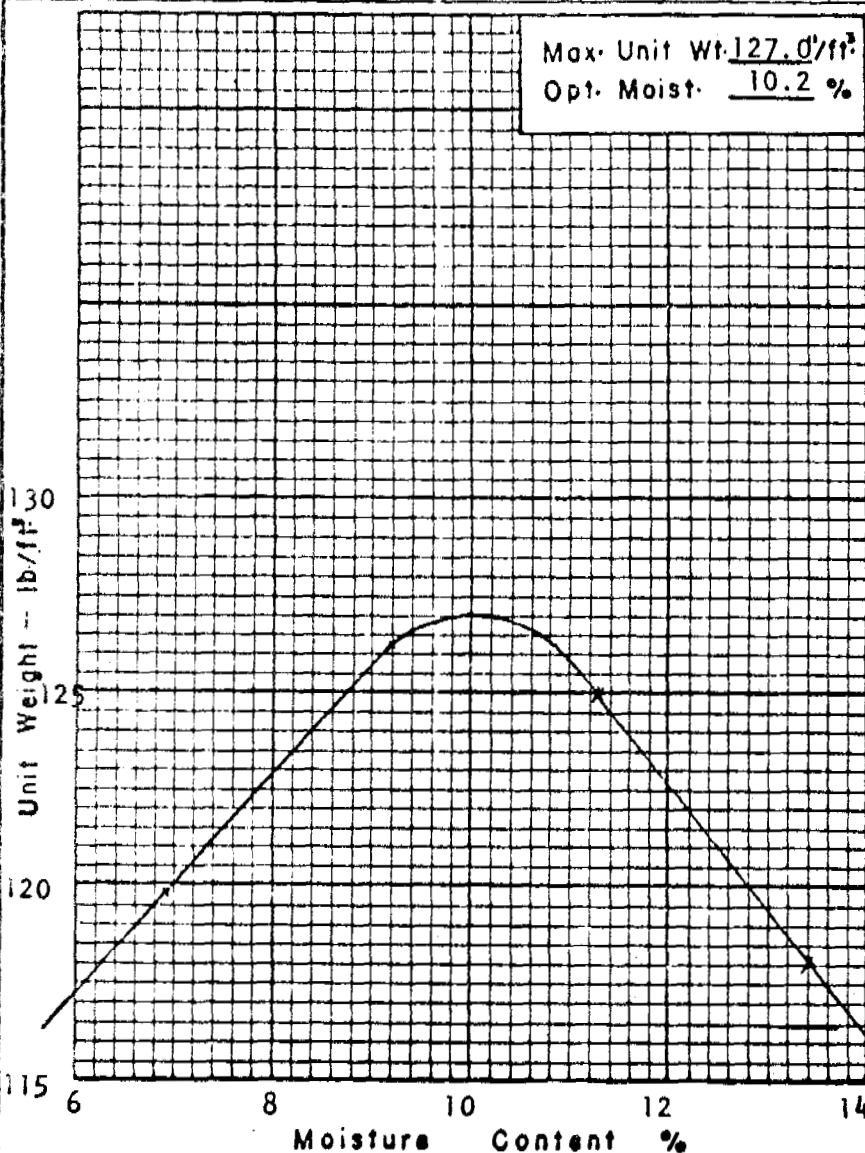
HOLE

DEPTH

TECHNICIAN

DATE

Trial Number							
Unit Weight Determination	Mold No.						
	Wt. Sample Wet + Mold						
	Wt. Mold						
	Wt. Sample Wet						
	Volume Mold						
	Wet Unit Weight lb/ft ³						
Moisture Content Determination	Dry Unit Weight lb/ft ³	119.8	126.3	125.0	118.2		
	Container No.						
	Wt. Sample Wet + Tare						
	Wt. Sample Dry + Tare						
	Wt. Water						
	Tare Container						
	Wt. Dry Soil						
	Moisture Content	6.9	9.2	11.3	13.4		

Method of Compaction _____
Standard Proctor

Diam. Mold _____

Height Mold _____

Volume Mold _____

No. of Layers _____

Blows per Layer _____

Ht. of Free Fall _____

Wt. of Tamper _____

Shape of Tamping Face _____

Description of Sample _____

Remarks Test #1



COMPACTION TEST

LAB. ORDER -

PROJECT AL0307

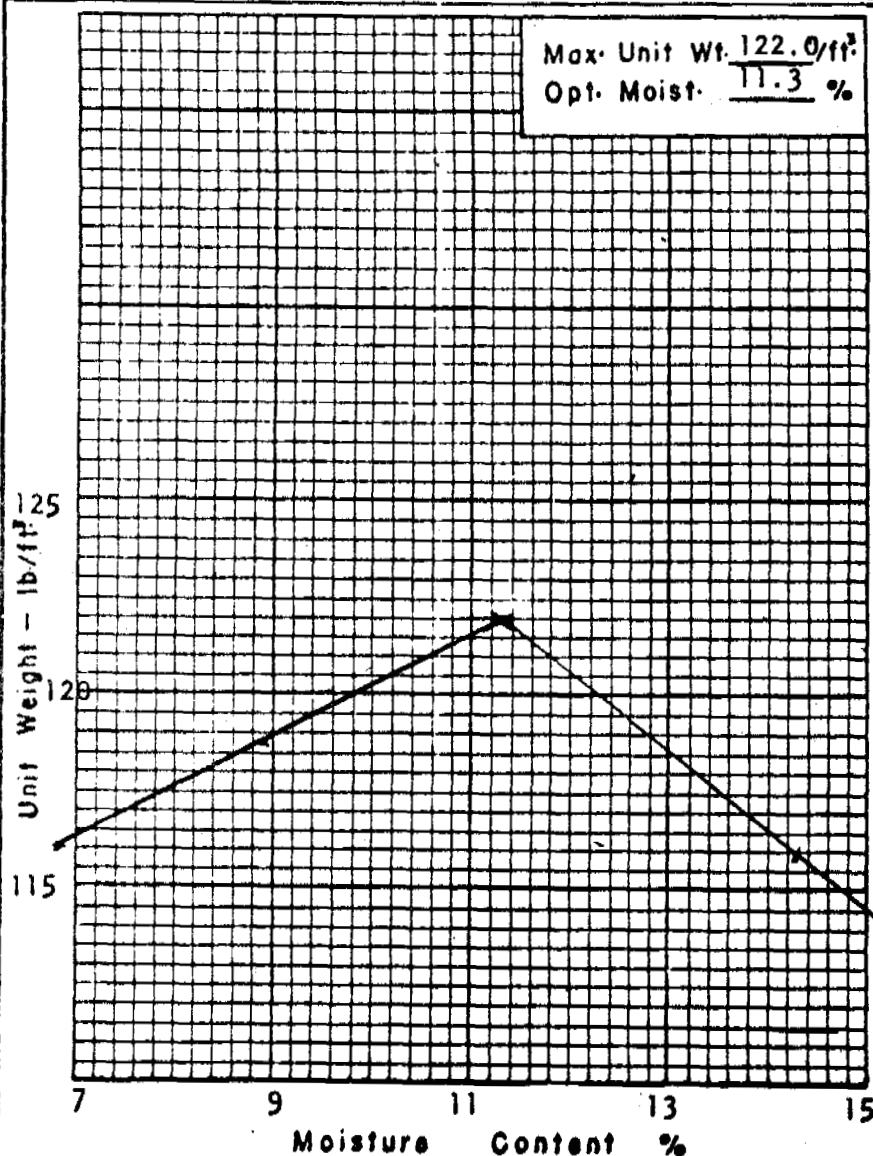
SAMPLE 438-450 (Silty Till)

HOLE

DEPTH

TECHNICIAN A.D. DATE April 13, 1973

Trial Number							
Unit Weight Determination	Mold No.						
	Wt. Sample Wet + Mold						
	Wt. Mold						
	Wt. Sample Wet						
	Volume Mold						
	Wet Unit Weight lb/ft ³						
Moisture Content Determination	Dry Unit Weight lb/ft ³	116.2	118.8	122.0	116.0		
	Container No.						
	Wt. Sample Wet + Tare						
	Wt. Sample Dry + Tare						
	Wt. Water						
	Tare Container						
	Wt. Dry Soil						
	Moisture Content	6.9	8.9	11.3	14.3		



Method of Compaction

Standard Proctor

Diam. Mold

Height Mold

Volume Mold

No. of Layers

Blows per Layer

Ht. of Free Fall

Wt. of Tamper

Shape of Tamping Face

Description of Sample

Remarks Test #4