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STABILITEIT VAN STORTSTEEN
NA UITSTROOMKONSTRUKTIES

Figuren S 1 t/m 89

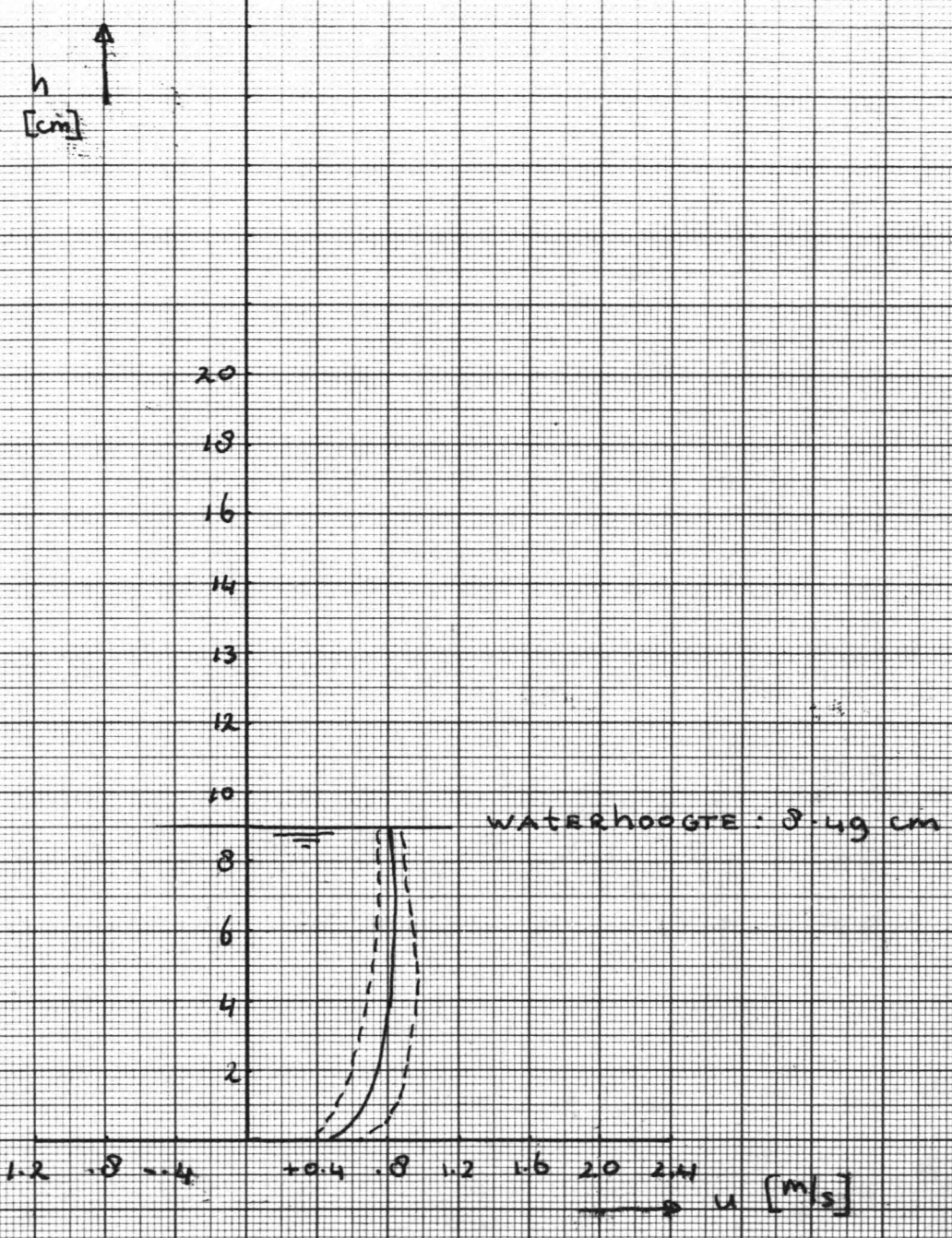
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Stabiliteit van stortsteen
na uitstroomkonstrukties

Figuren S 1 t/m 89

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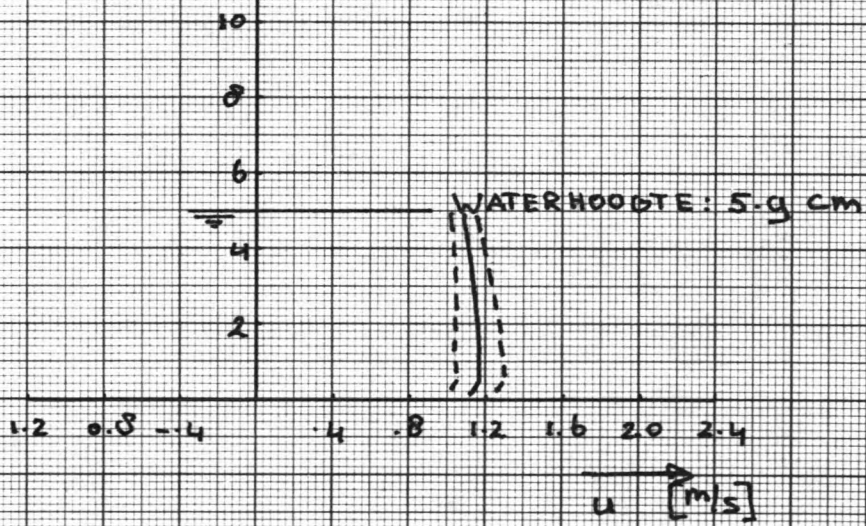
RUN I

PLAATS T.O.V. SPRONG: - 70 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG. S1

h
[cm]

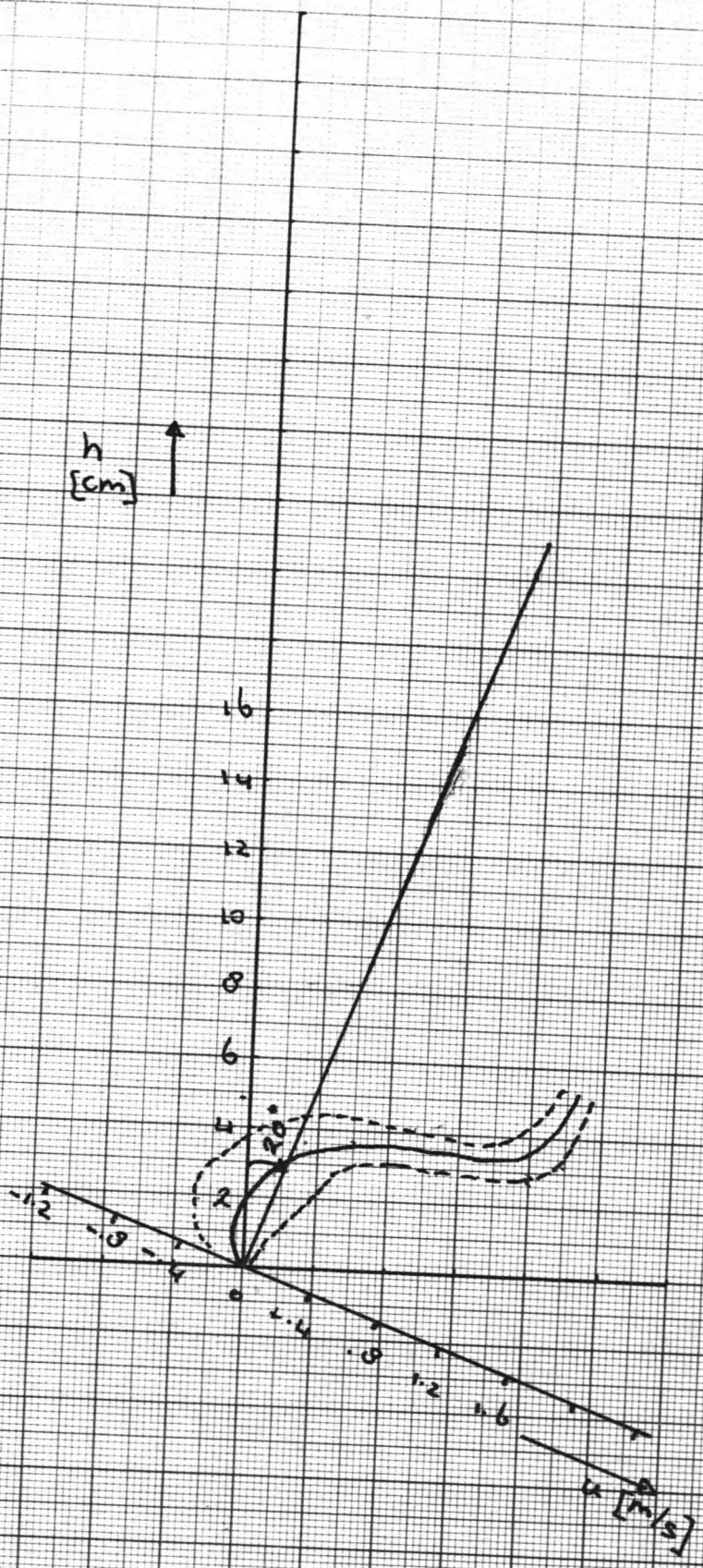


RUN I

PLAATS T.O.V. SPRONG: 0 cm

$D_{50} = 0.02$ m
 $h_s = 0.03$ m

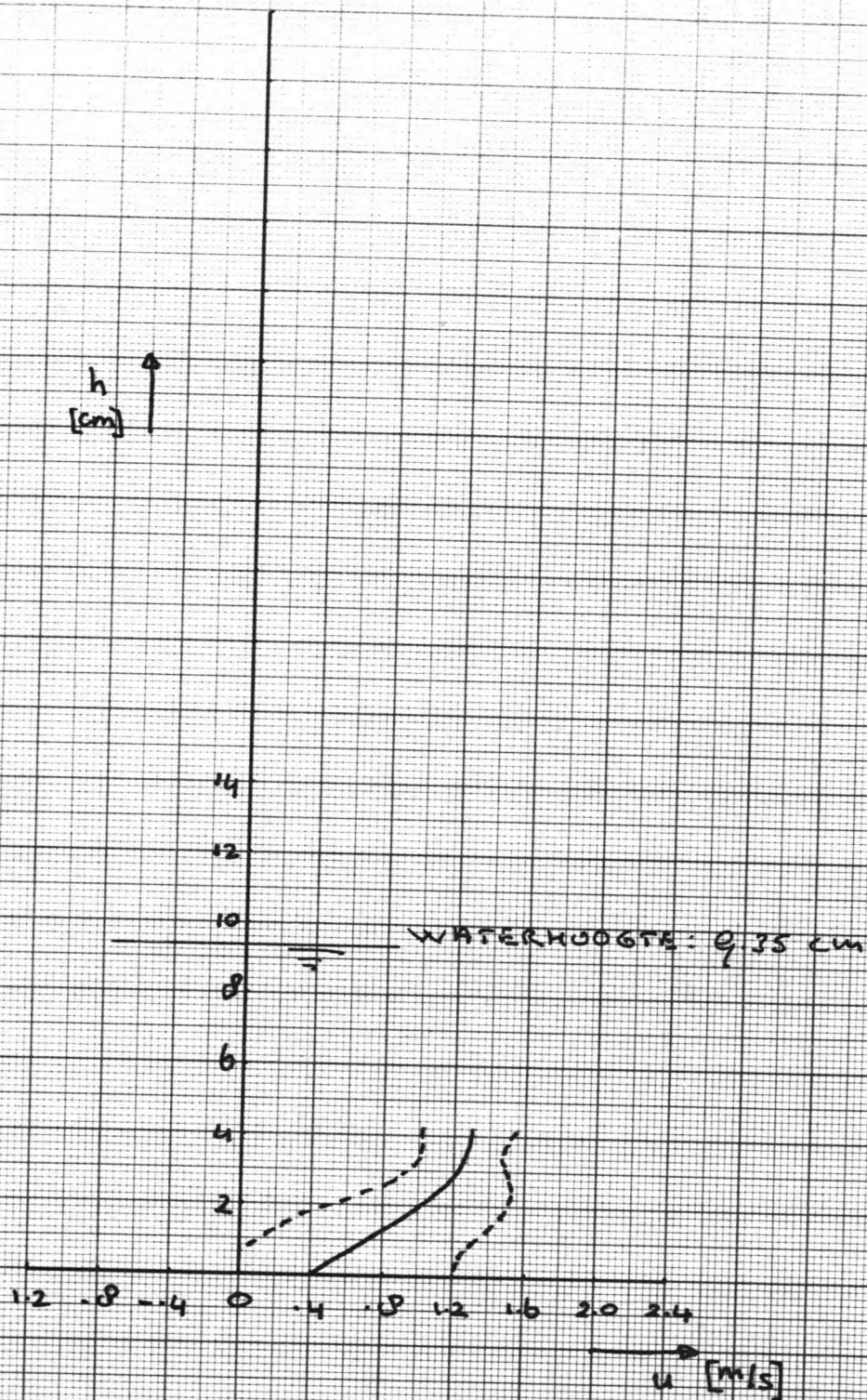
Fig. 52



RUN I
 PLAATS T.O.V. SPRONG: 8.25 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG. 53

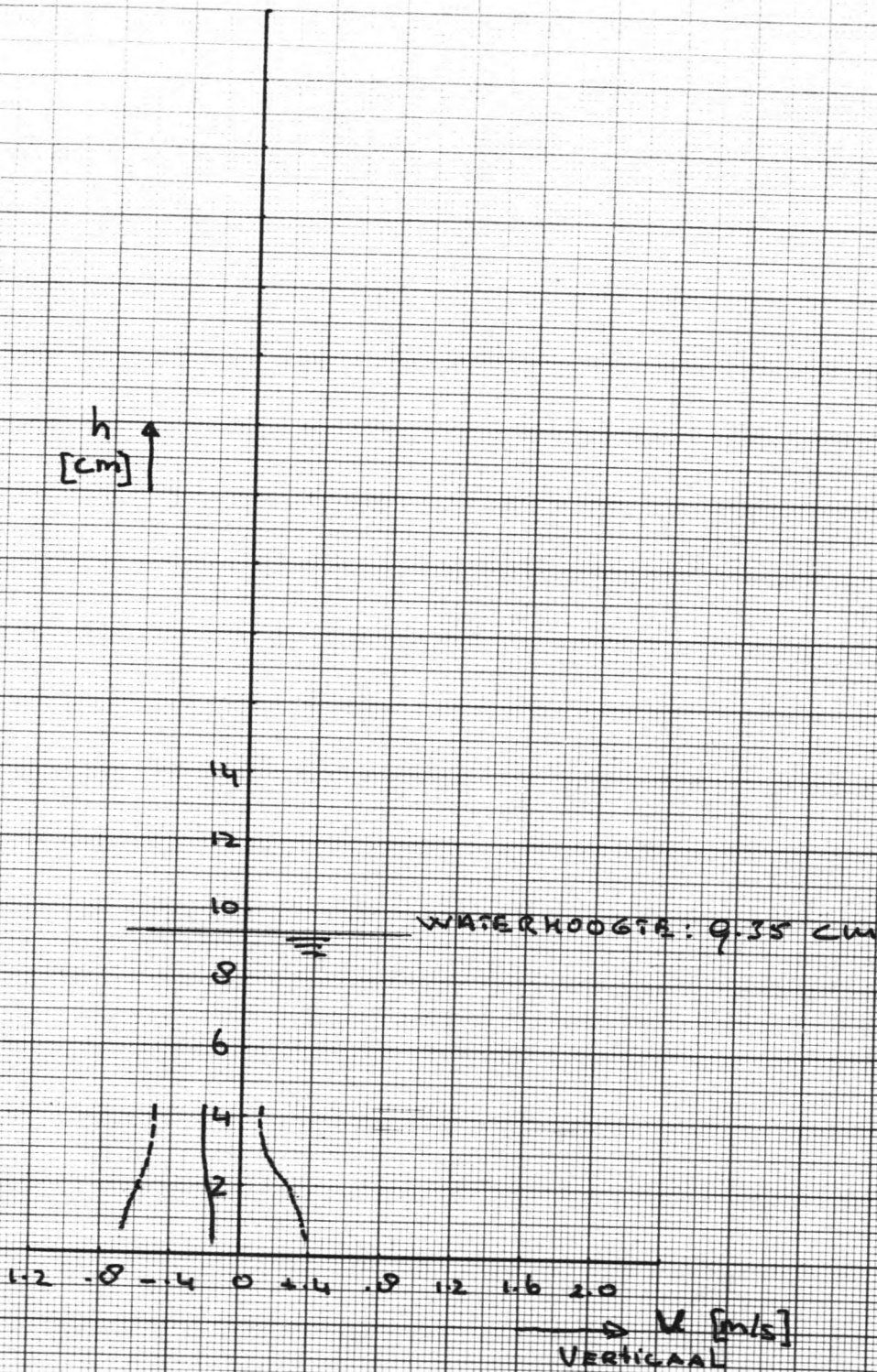


RUN I

PLAATS T.O.V. SPRONG: +23.5 cm

$D_{50} = 0.03$
 $h_s = 0.08$

FIG: 54

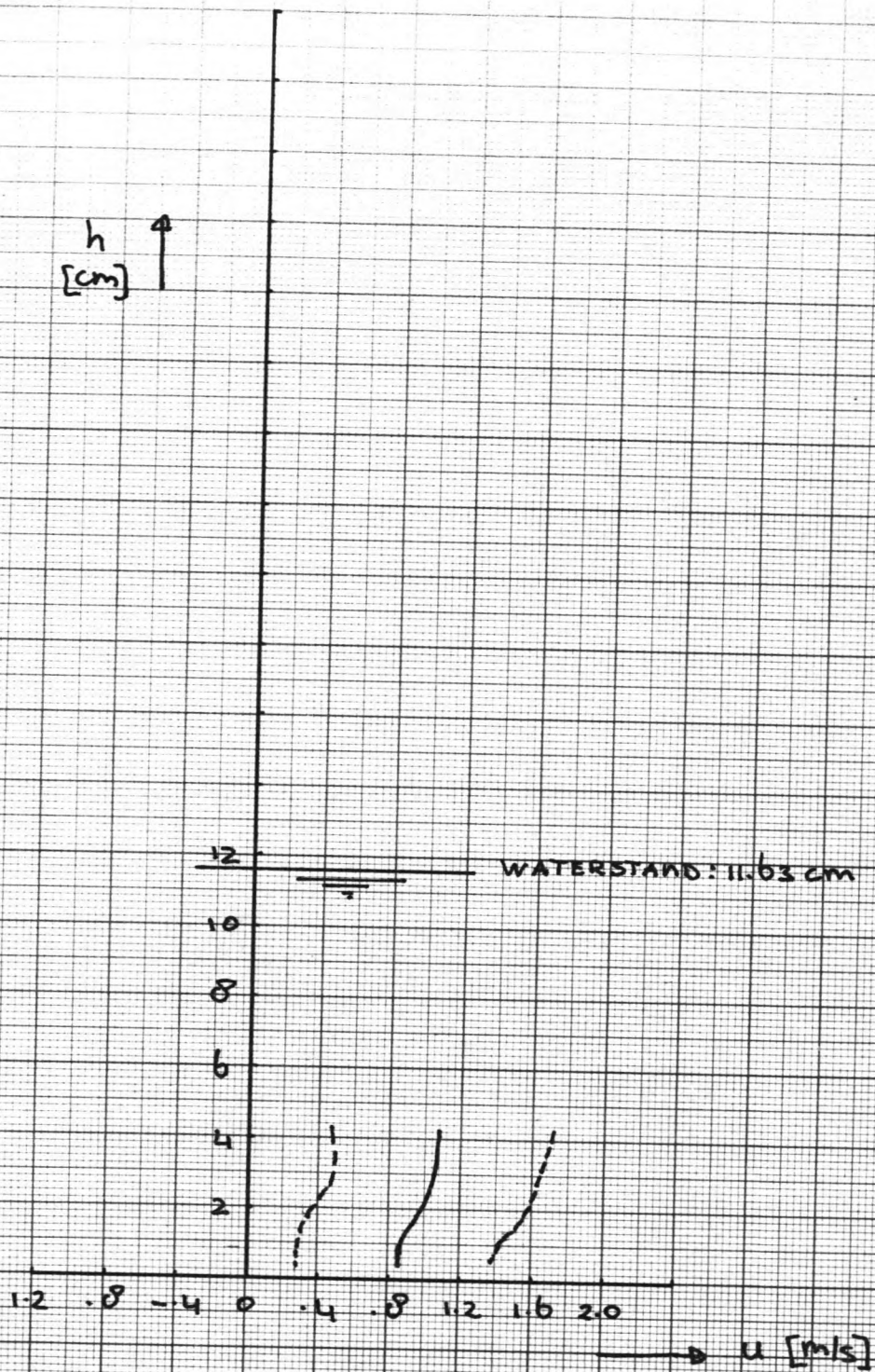


RUN I

PLAATS T.O.V. SPRONG: + 23.5 cm

$D_{50} = 0.03$ m
 $h_s = 0.00$ m

FIG: S5

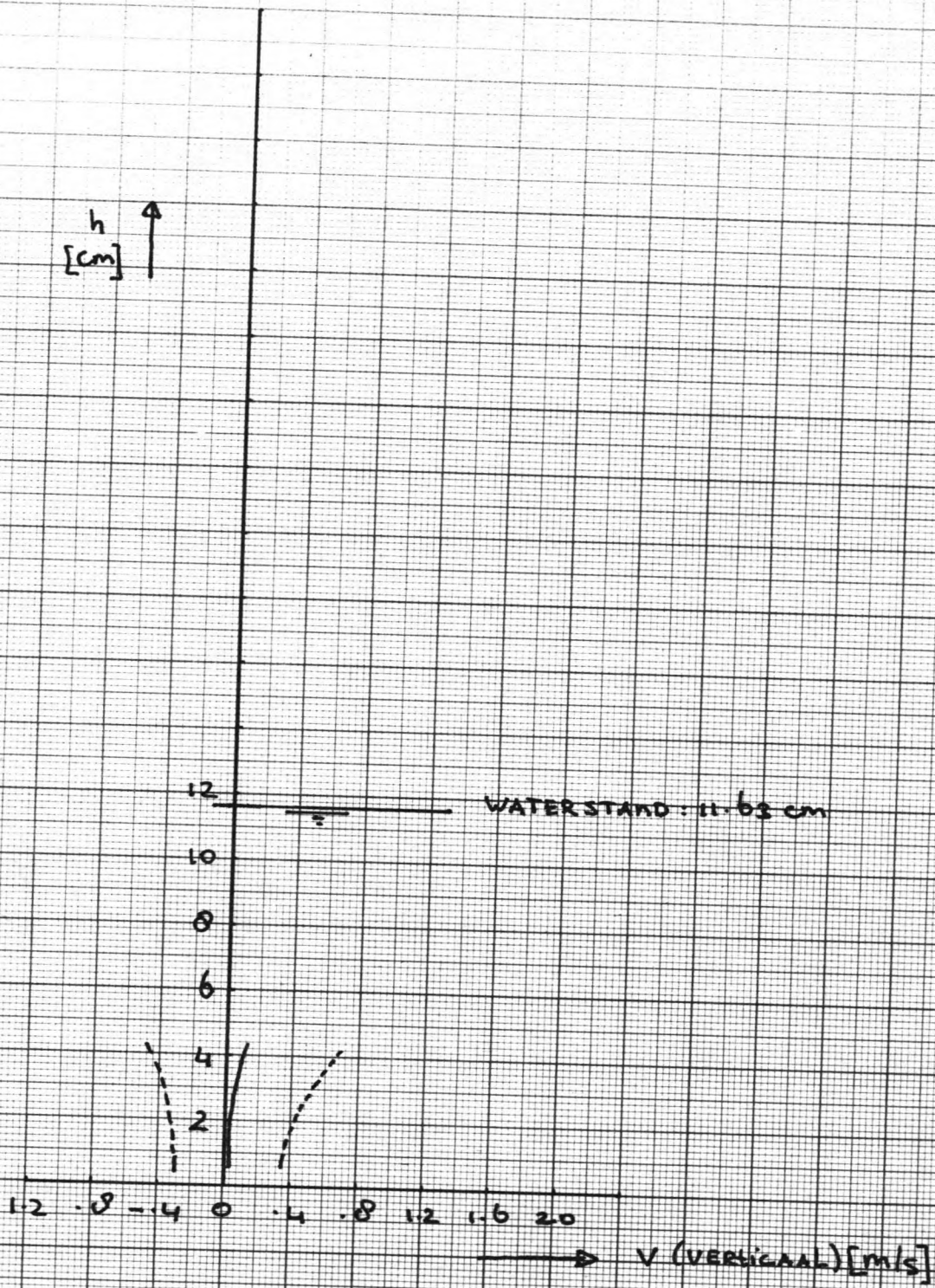


RUN I

PLAATS T.O.V. SPRONG: 36 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG: S6

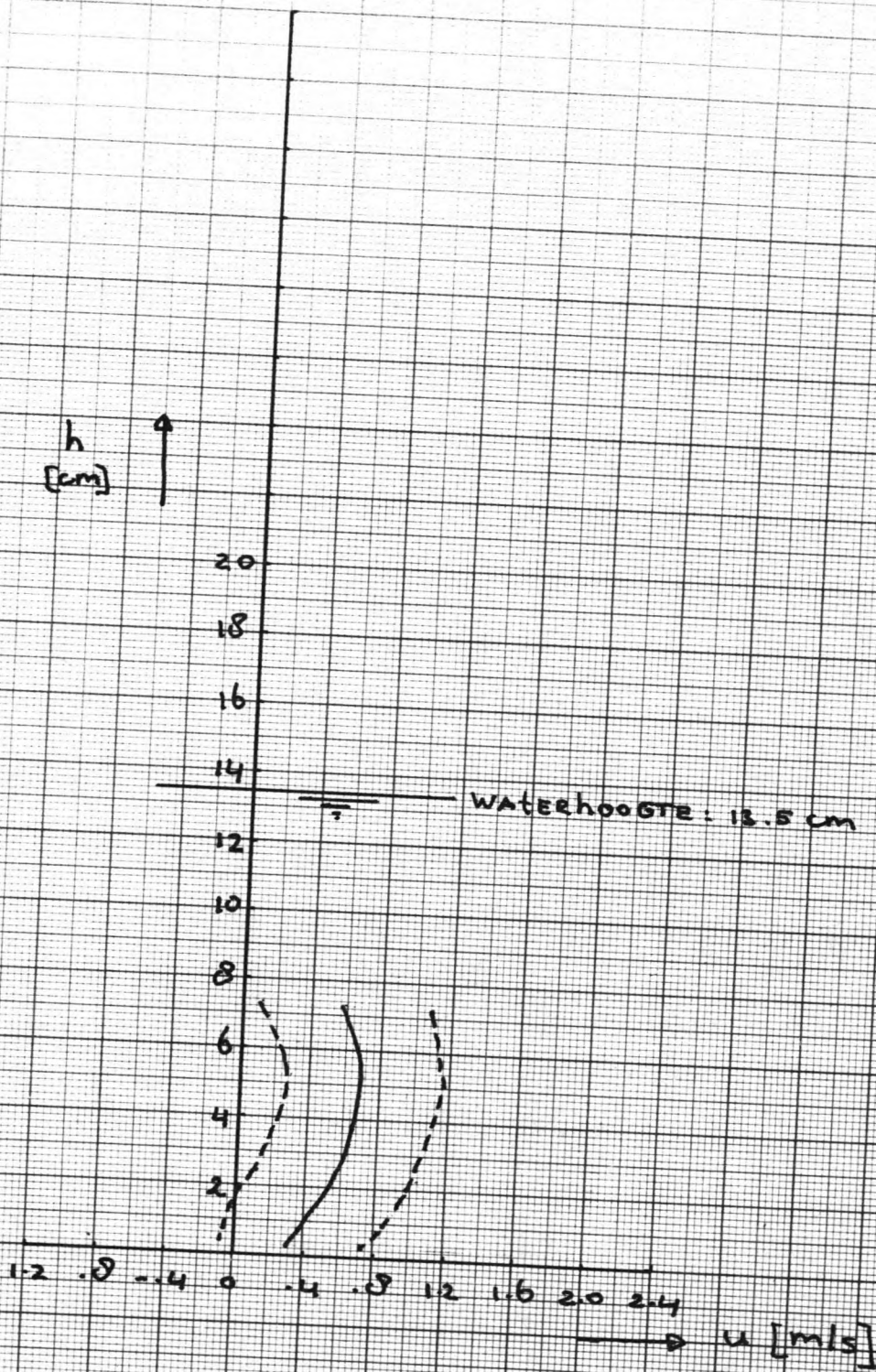


RUN I

PLAATS T.O.V. SPRONG: 36 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

Fig: S7

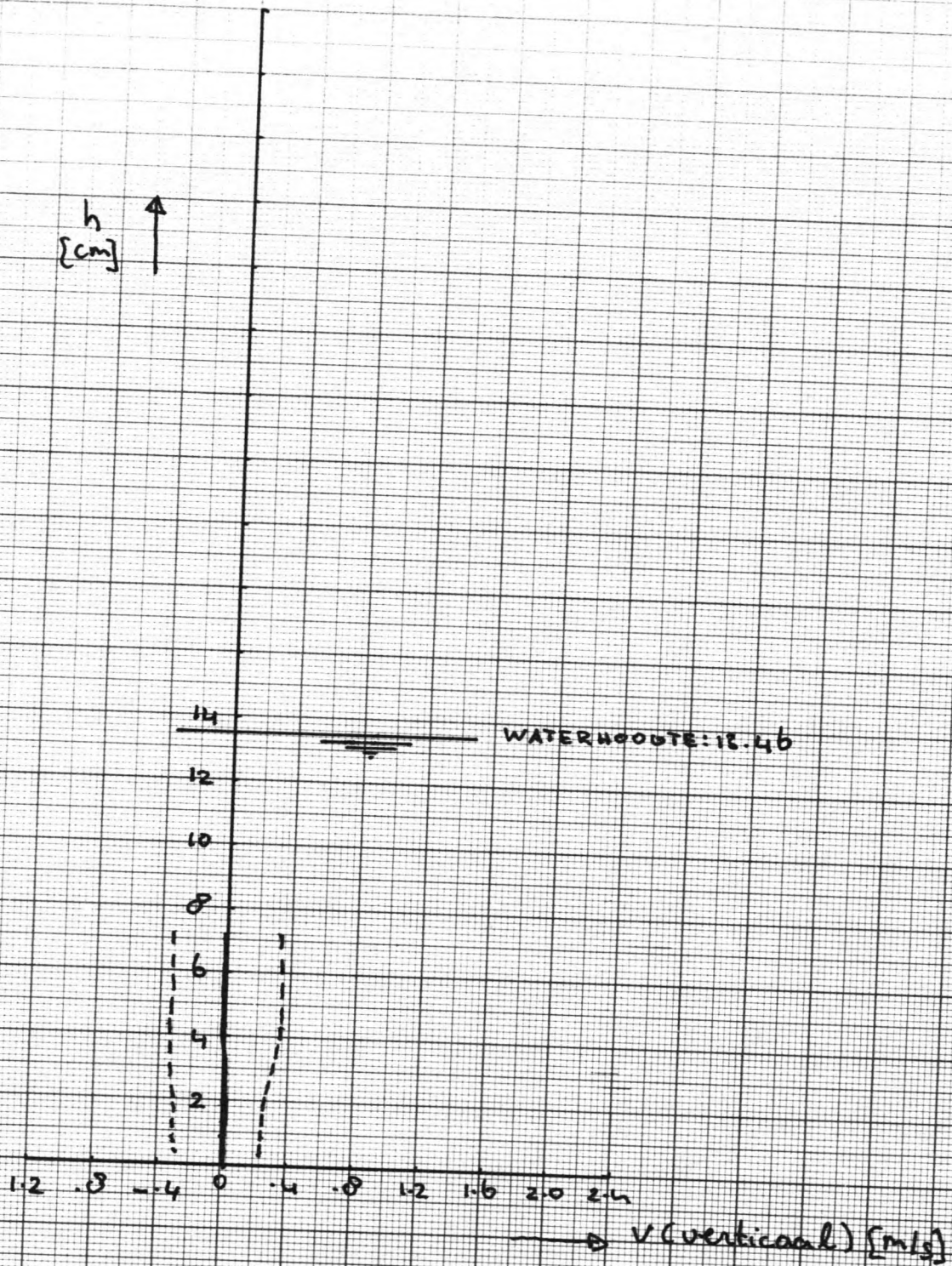


RUN I

PLAATS T.O.V. SPRONG: 64.2 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG. 58

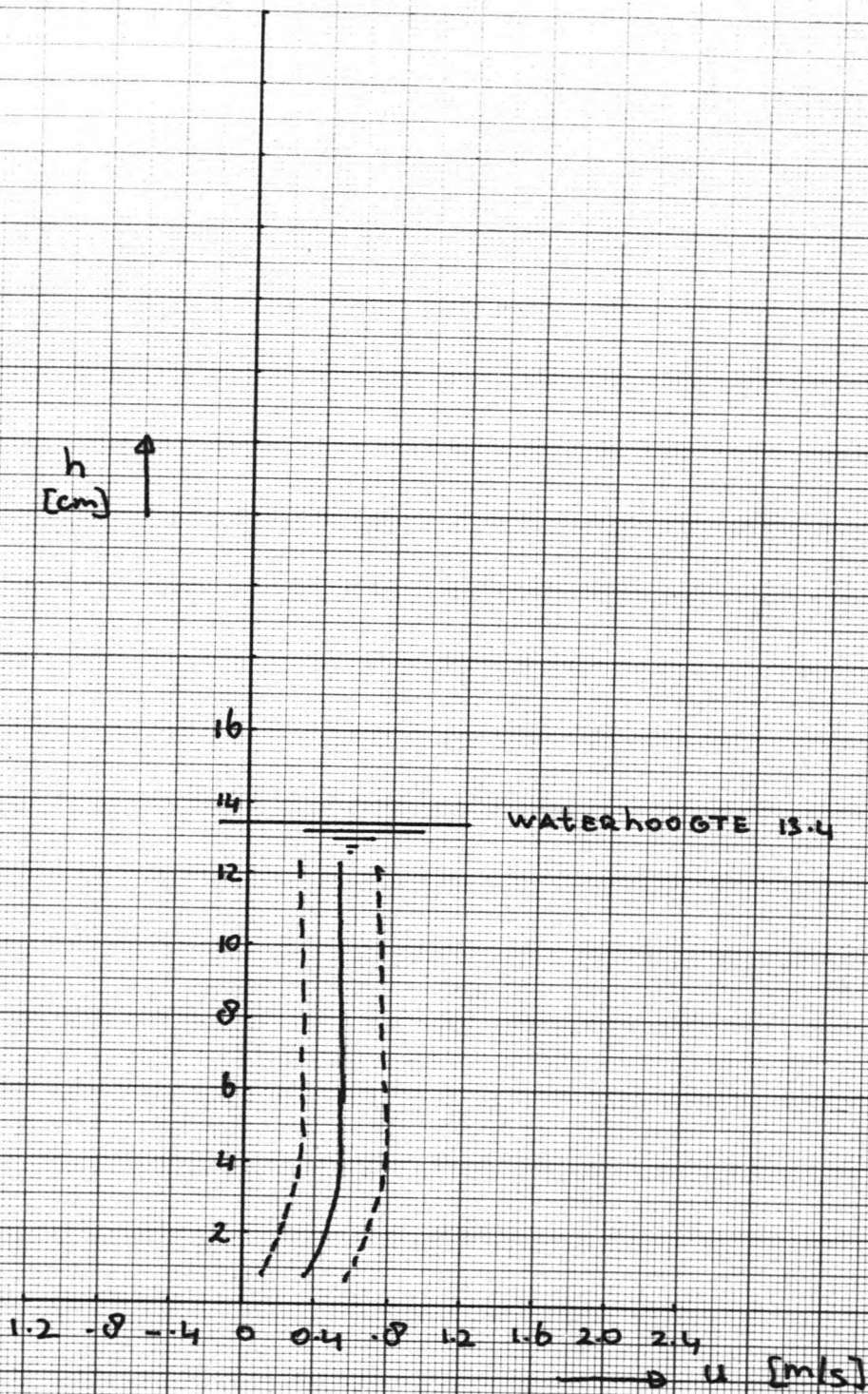


RUN I

PLAATS T.O.V. SPRONG: 64.2 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG: S9

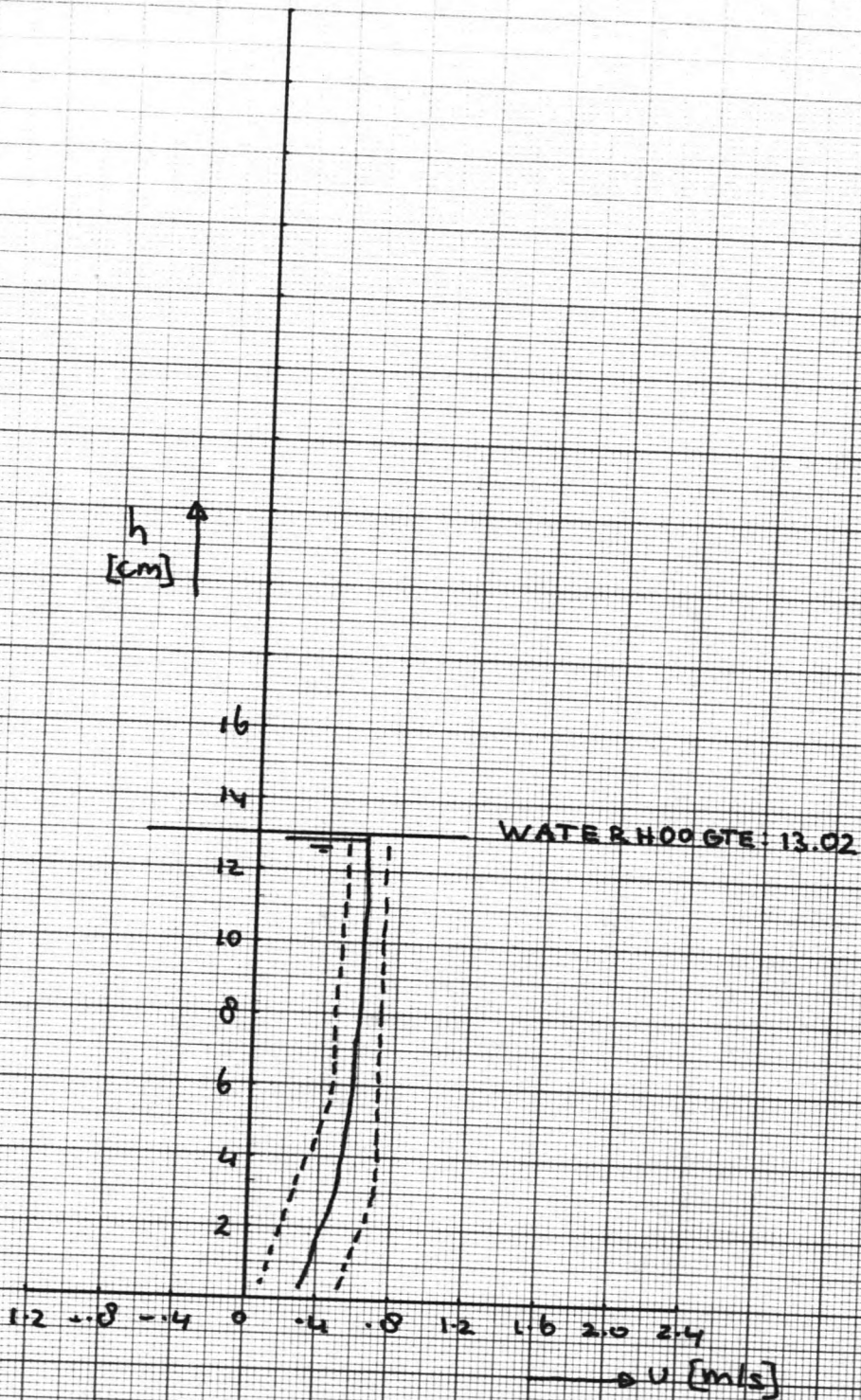


RUNI

PLAATS T.O.V. SPRONG: 105.5 cm

$D_{50} = 0.03$
 $h_s = 0.08$

Fig. S10

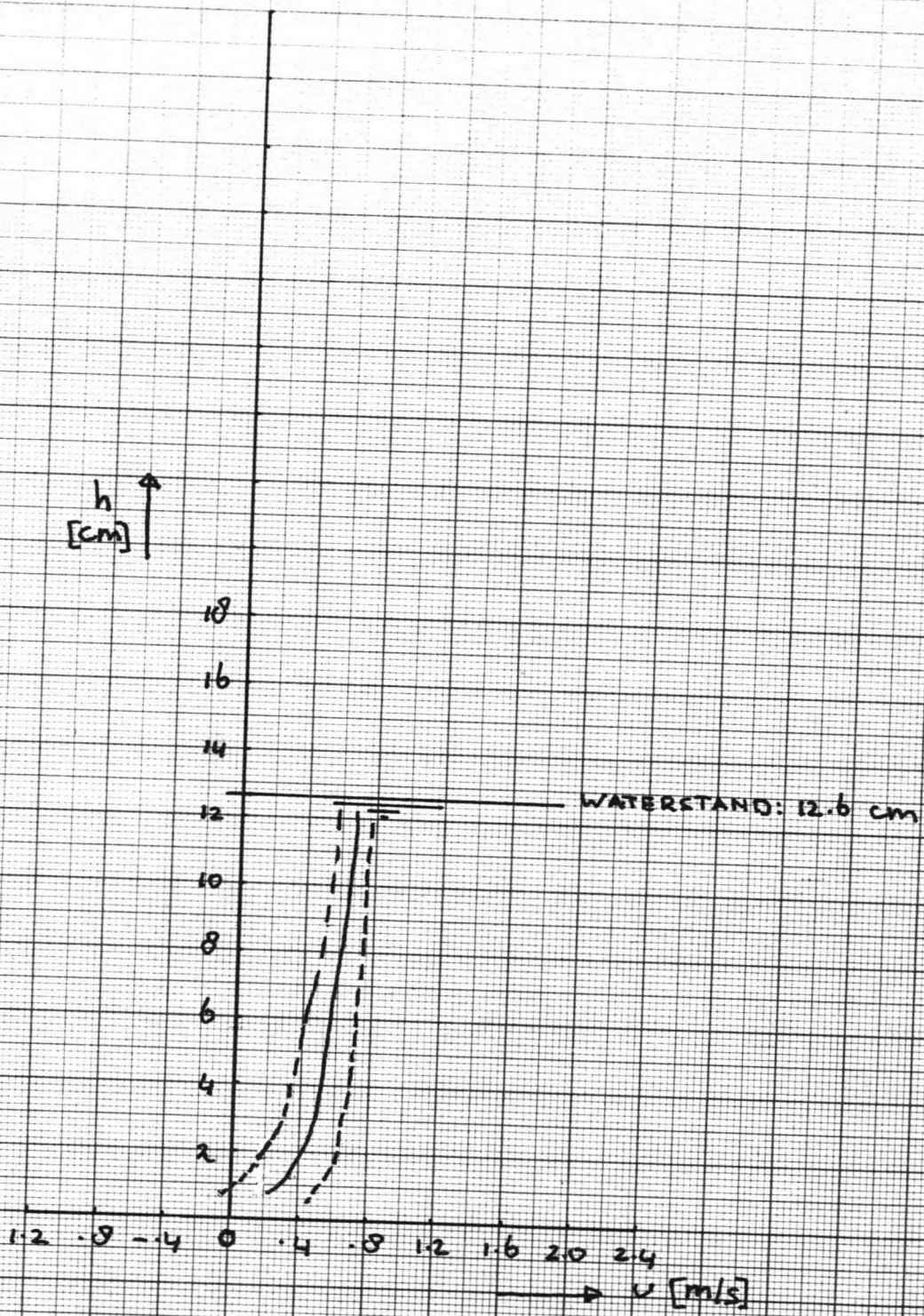


RUN I

PLAATS T.O.V. SPRONG: 200cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG. S11

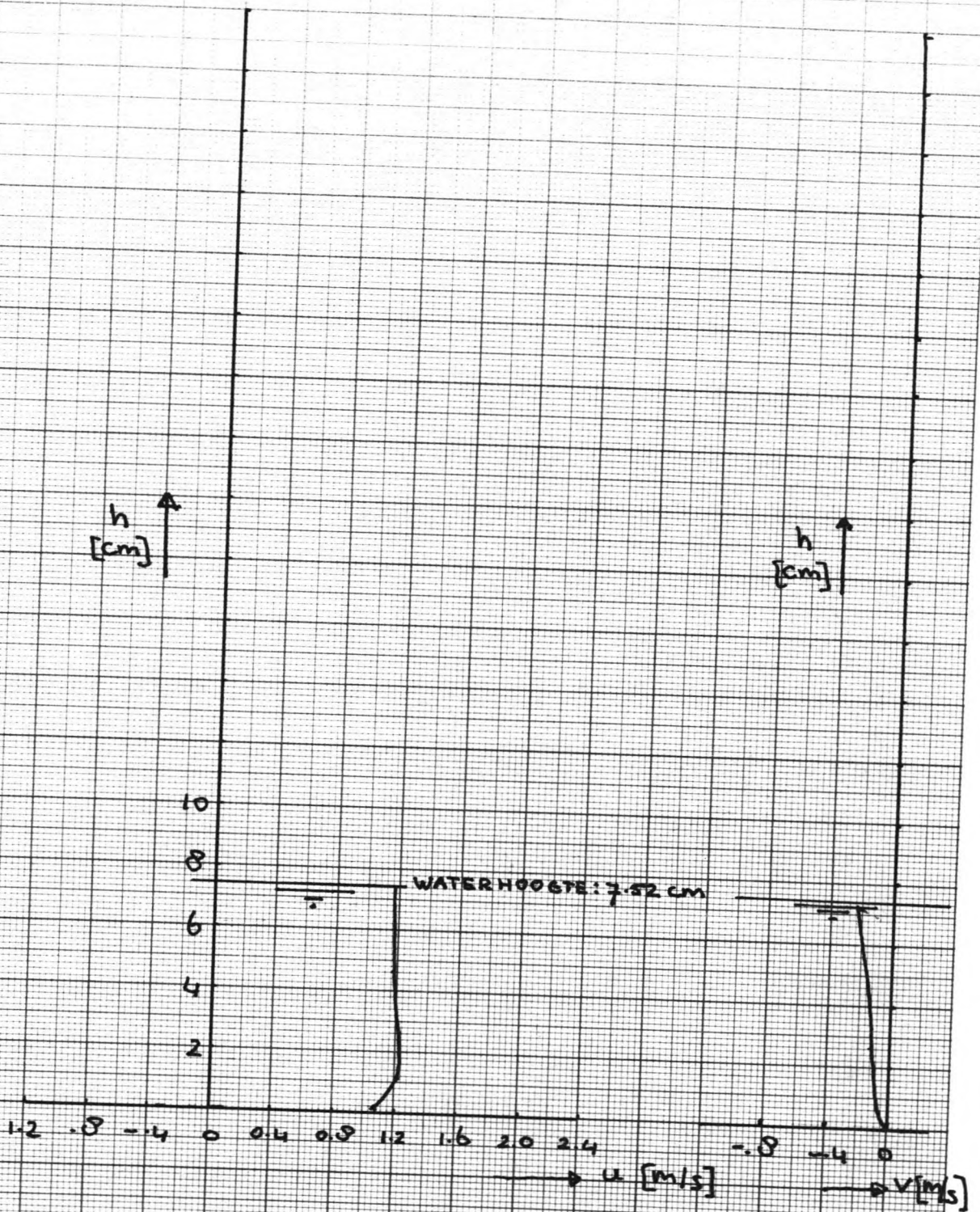


RUN I

PLAATS T.O.V. SPRONG θ : 300 cm

$D_{50} = 0.03$ m
 $h_s = 0.08$ m

FIG. S12

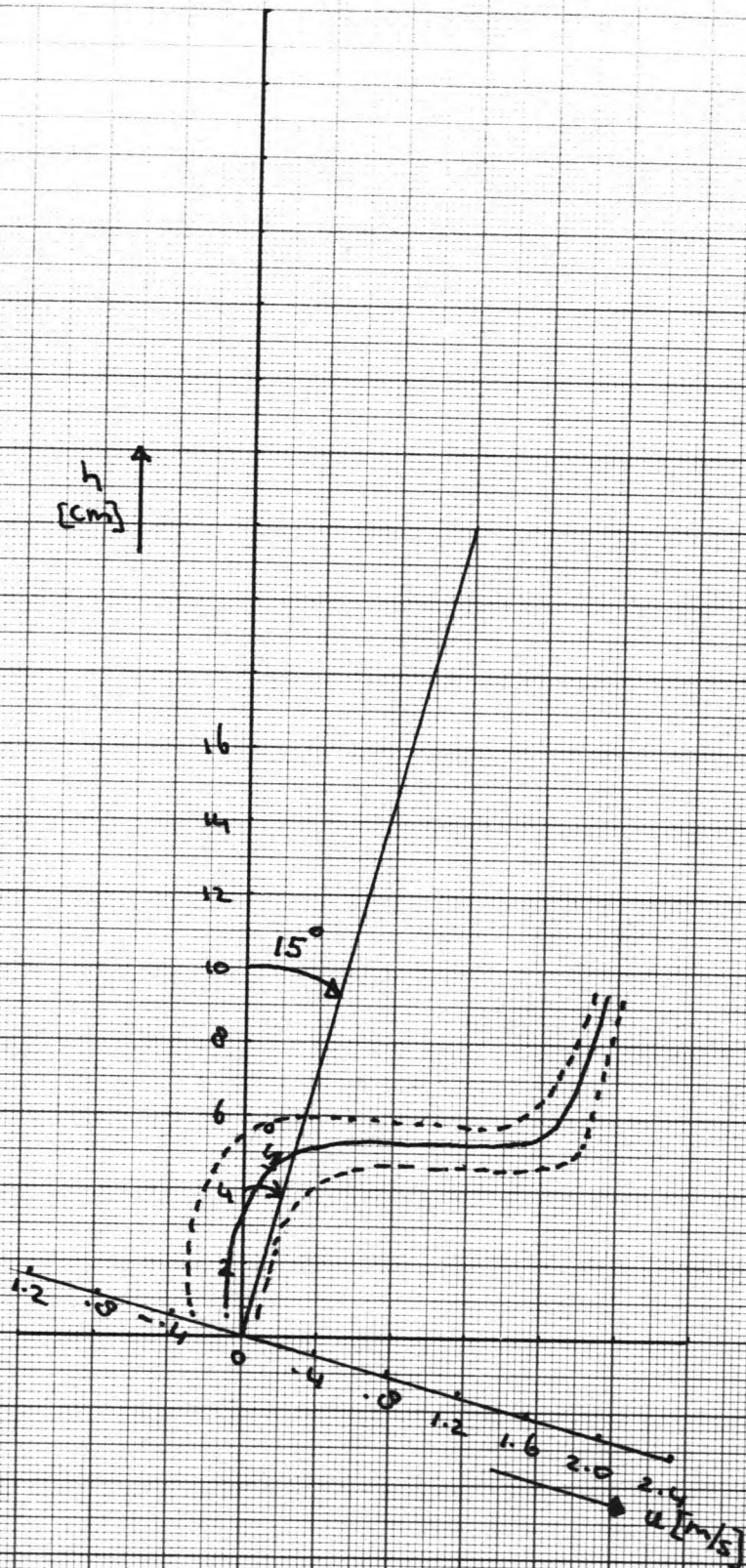


RUN II

PLAATS T.O.V. SPRONG: 0 cm

$D_{50} = 0.03$ m
 $h_s = 0.00$ m

FIG. S13

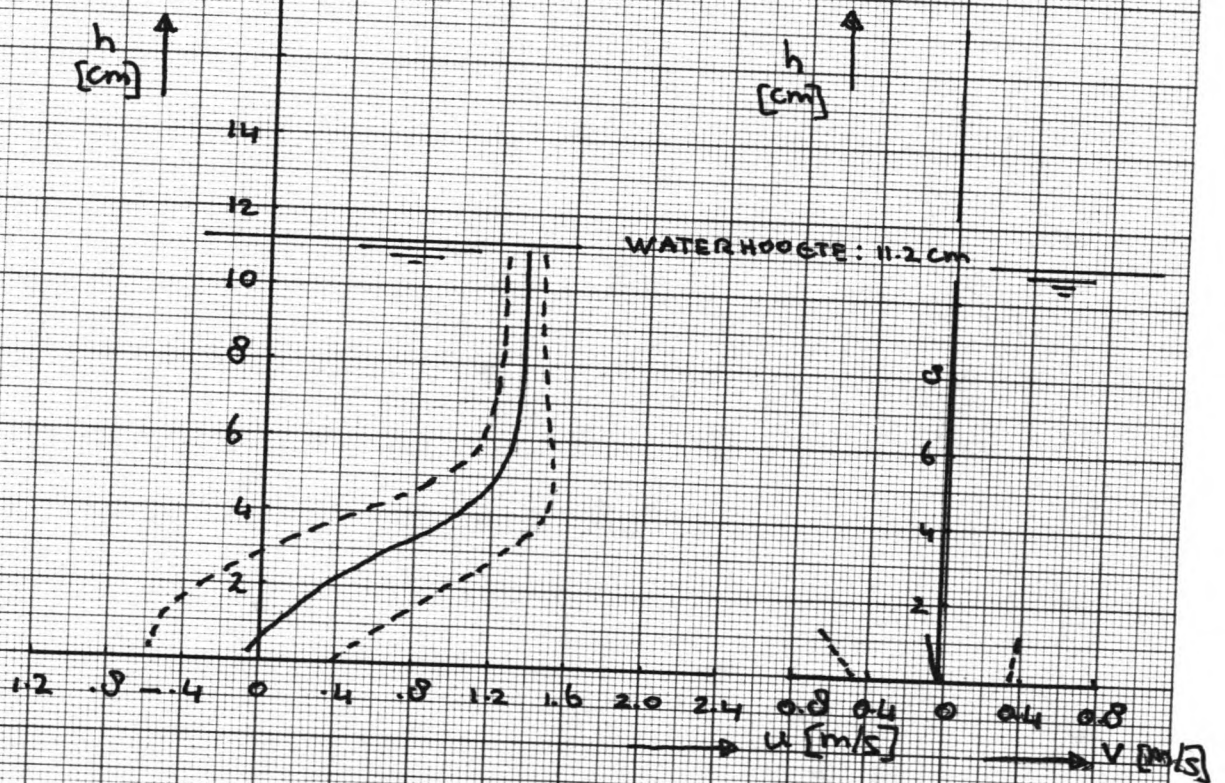


RUN II

PLAATS T.O.V. SPRONG: $\varnothing 1 \text{ cm}$

$D_{50} = 0.03$
 $h_s = 0.009$

FIG. S14

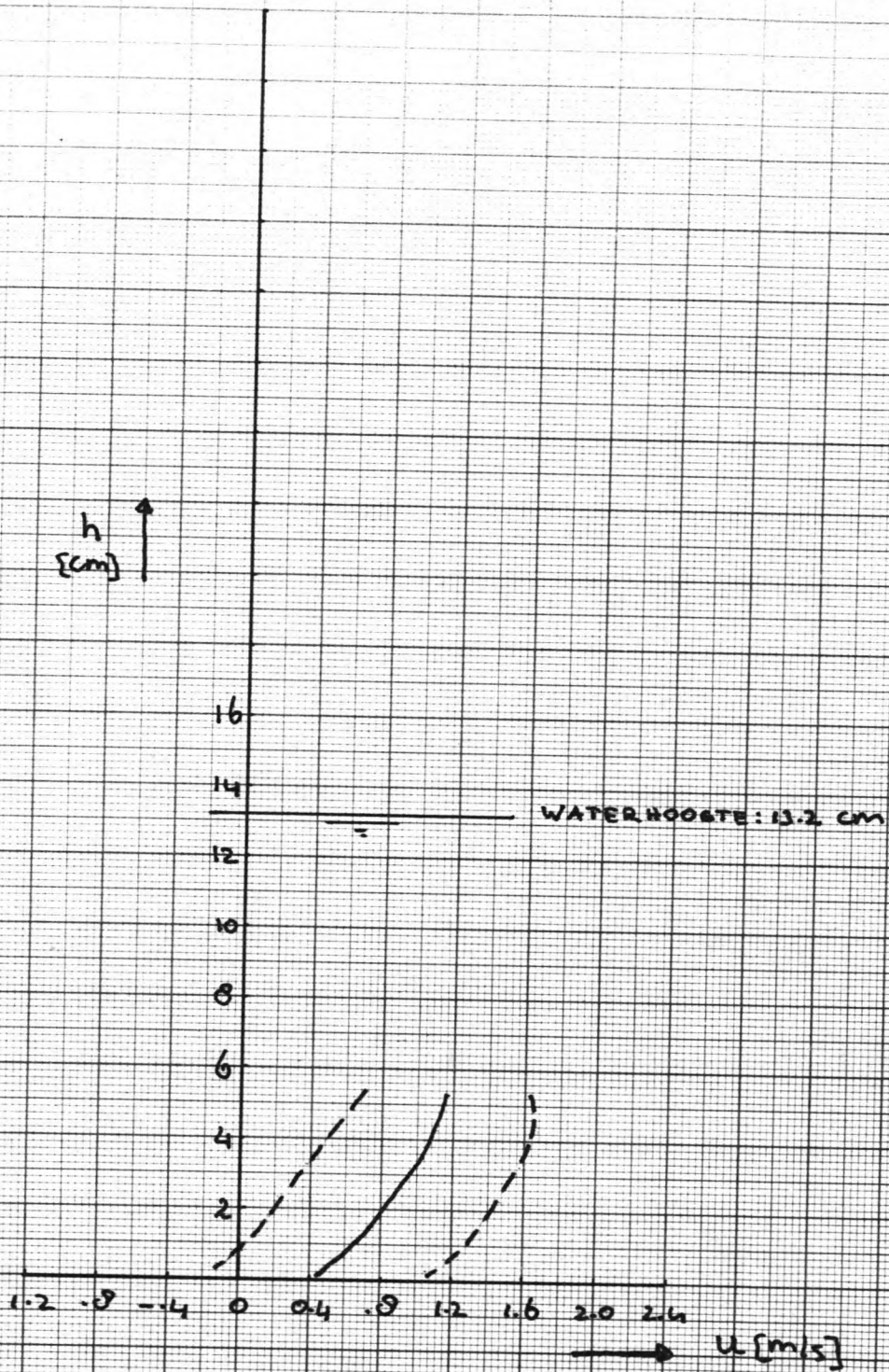


RUNII

PLAATS T.O.V. SPRONG: 21.5 cm

$D_{50} = 0.03$ m
 $h_s = 0.08$ m

FIG: S15

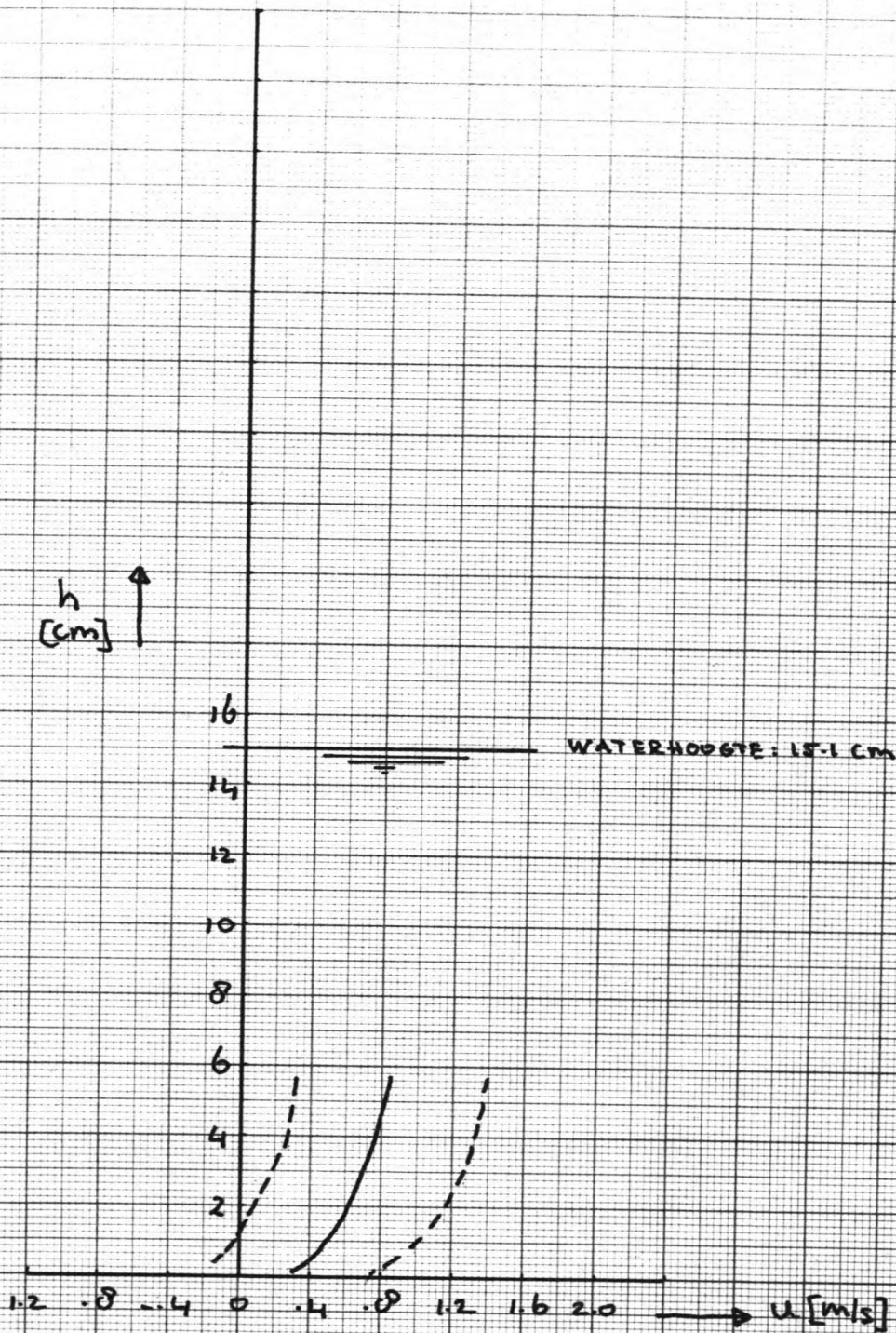


RUN II

PLAATS T.O.V. SPRONG: 38 cm

$D_{50} = 0.03$ m
 $h_s = 0.08$ m

FIG. S16

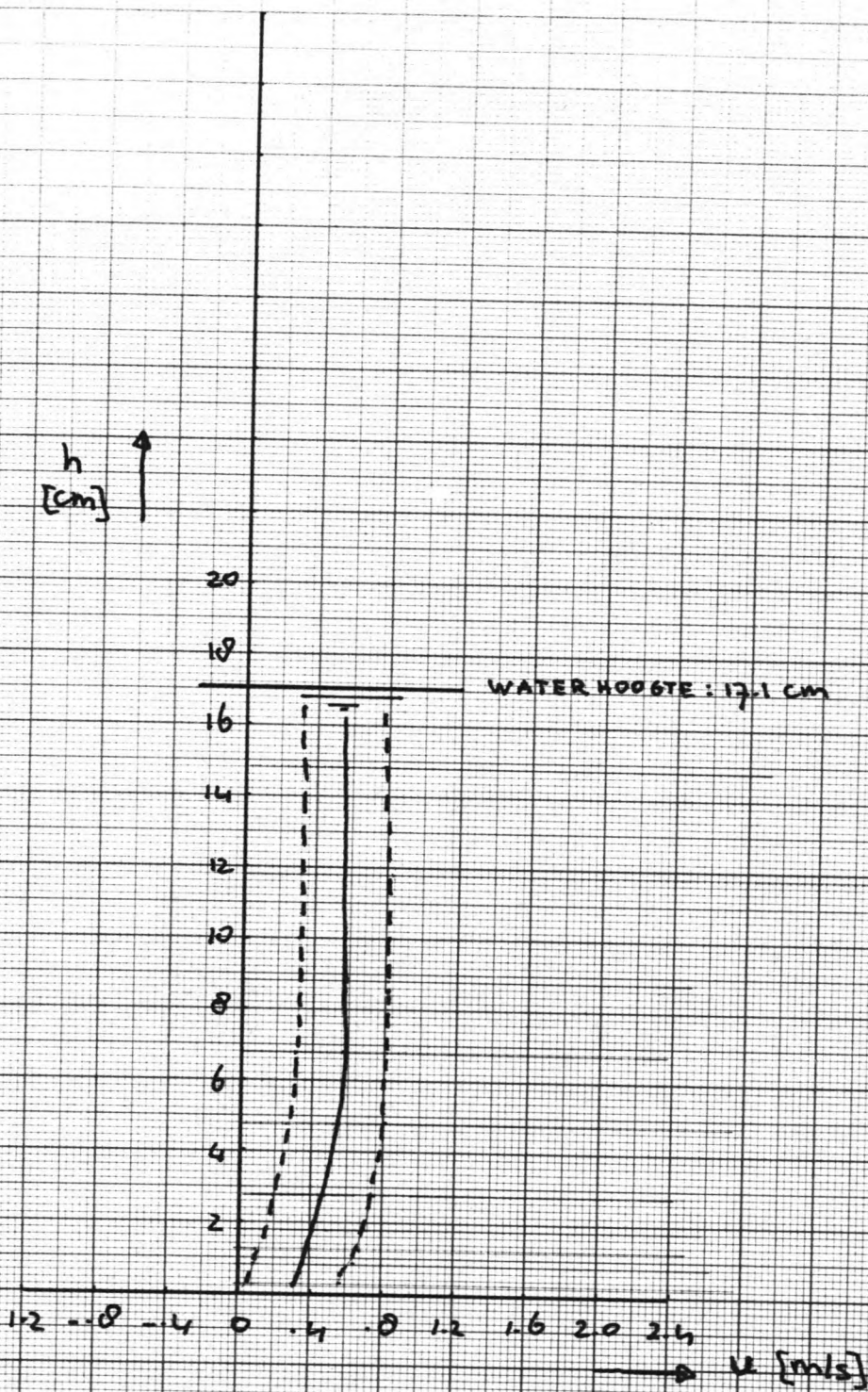


RUN II

PLAATS T.O.V. SPRONG: 59 cm

$D_{50} = 0.03$
 $h_s = 0.00$

FIG. S17

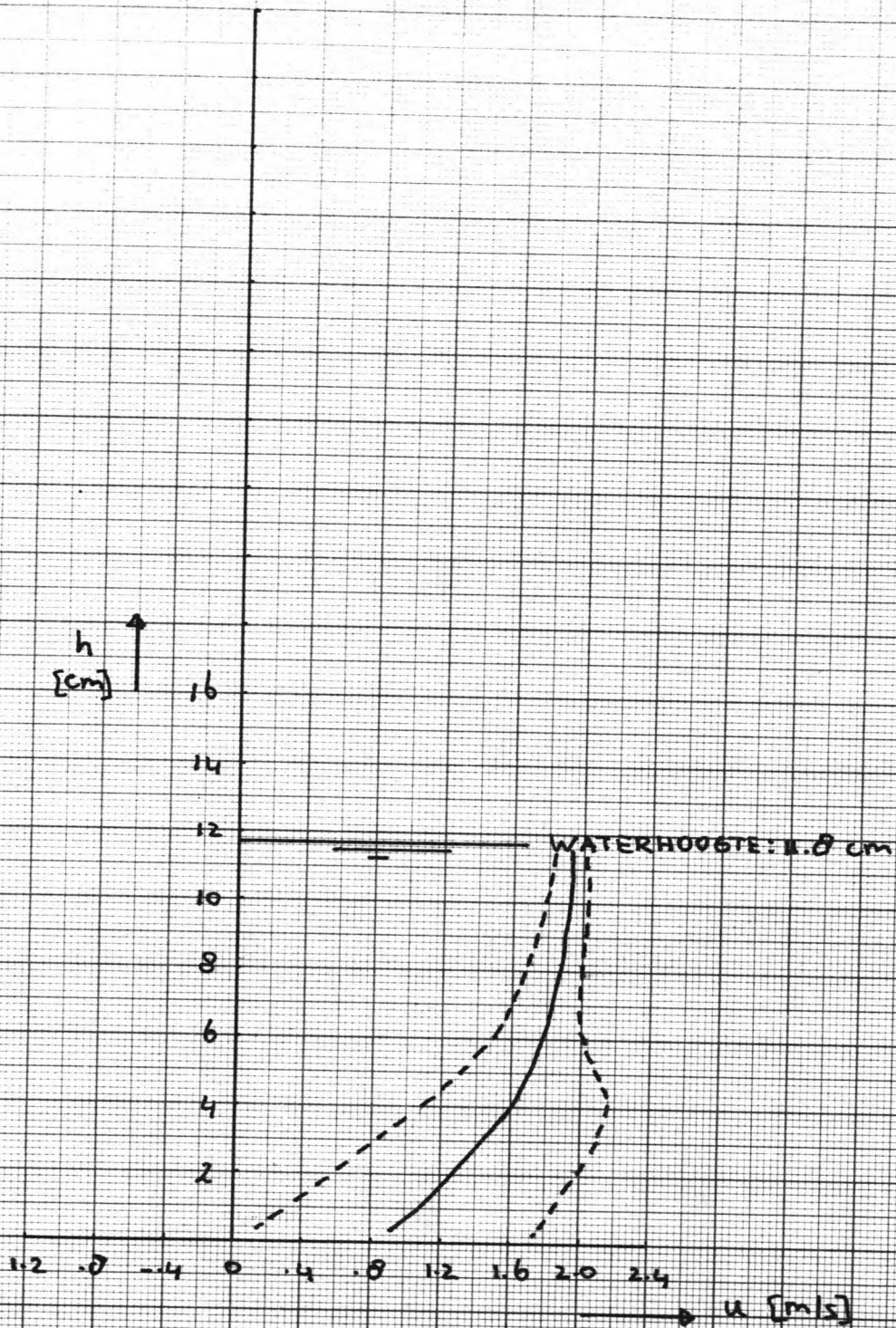


RUN II

PLAATS T.O.V. SPRONG: 120 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG. S18

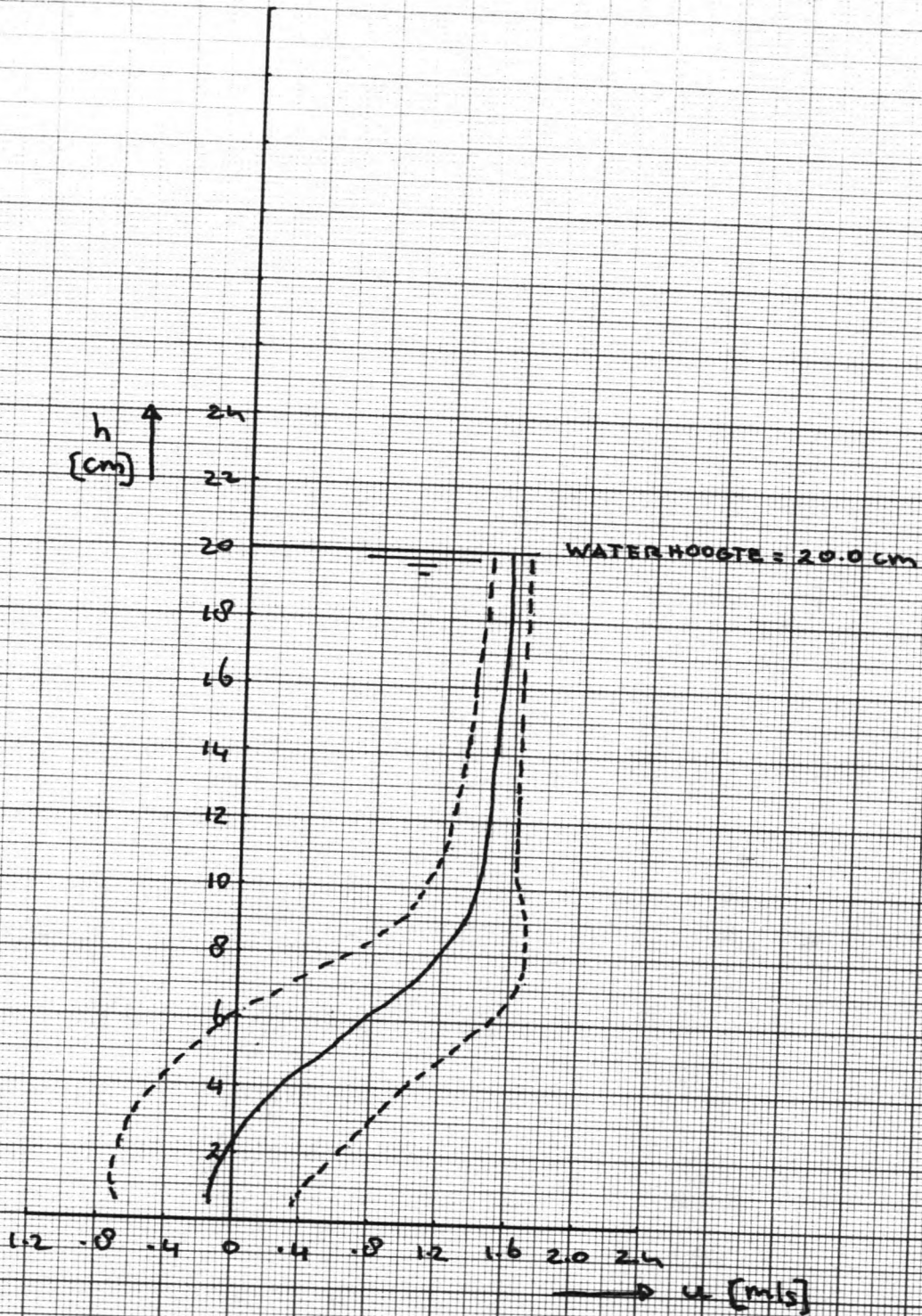


RUN III

PLAATS T.O.V. SPRONG: 35cm

$D_{50} = 0.03 \text{ m}$
 $h_{sc} = 0.08 \text{ m}$

FIG. 519

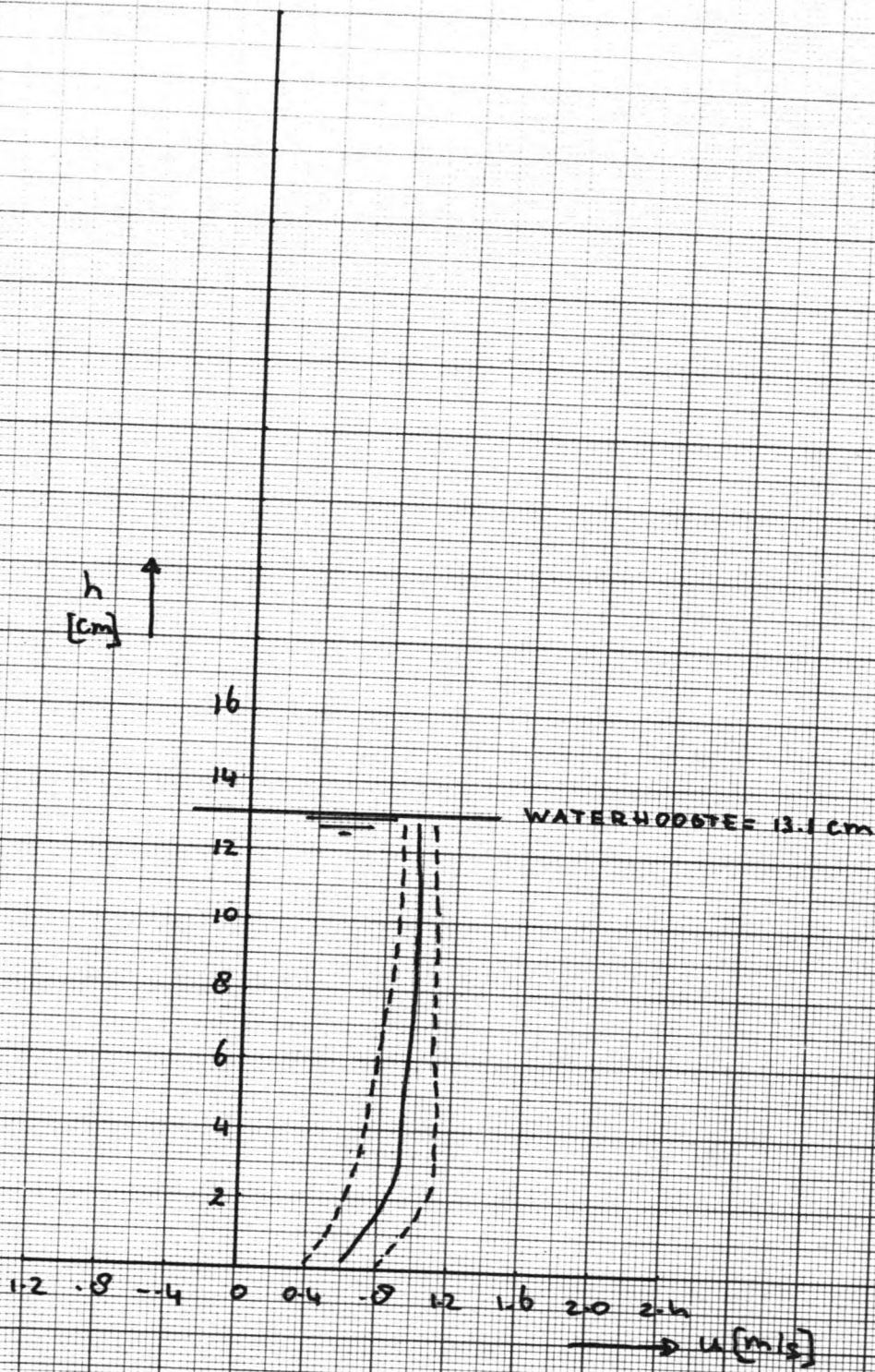


RUN IV

PLAATS T.O.V. SPRONG: 35cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG: S20

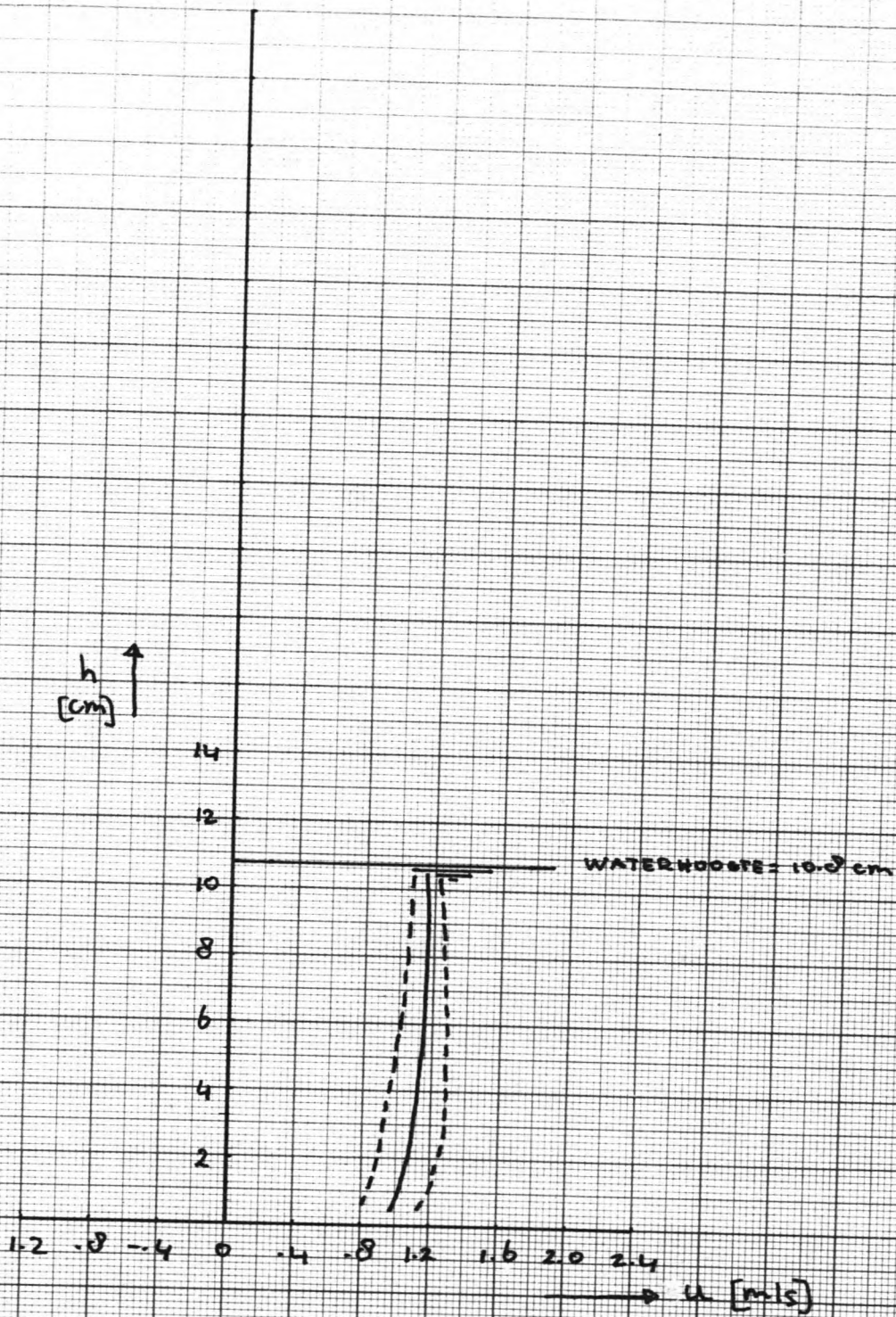


RUN V

PLAATS T.O.V. SPRONG : - 70 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

Fig. S21

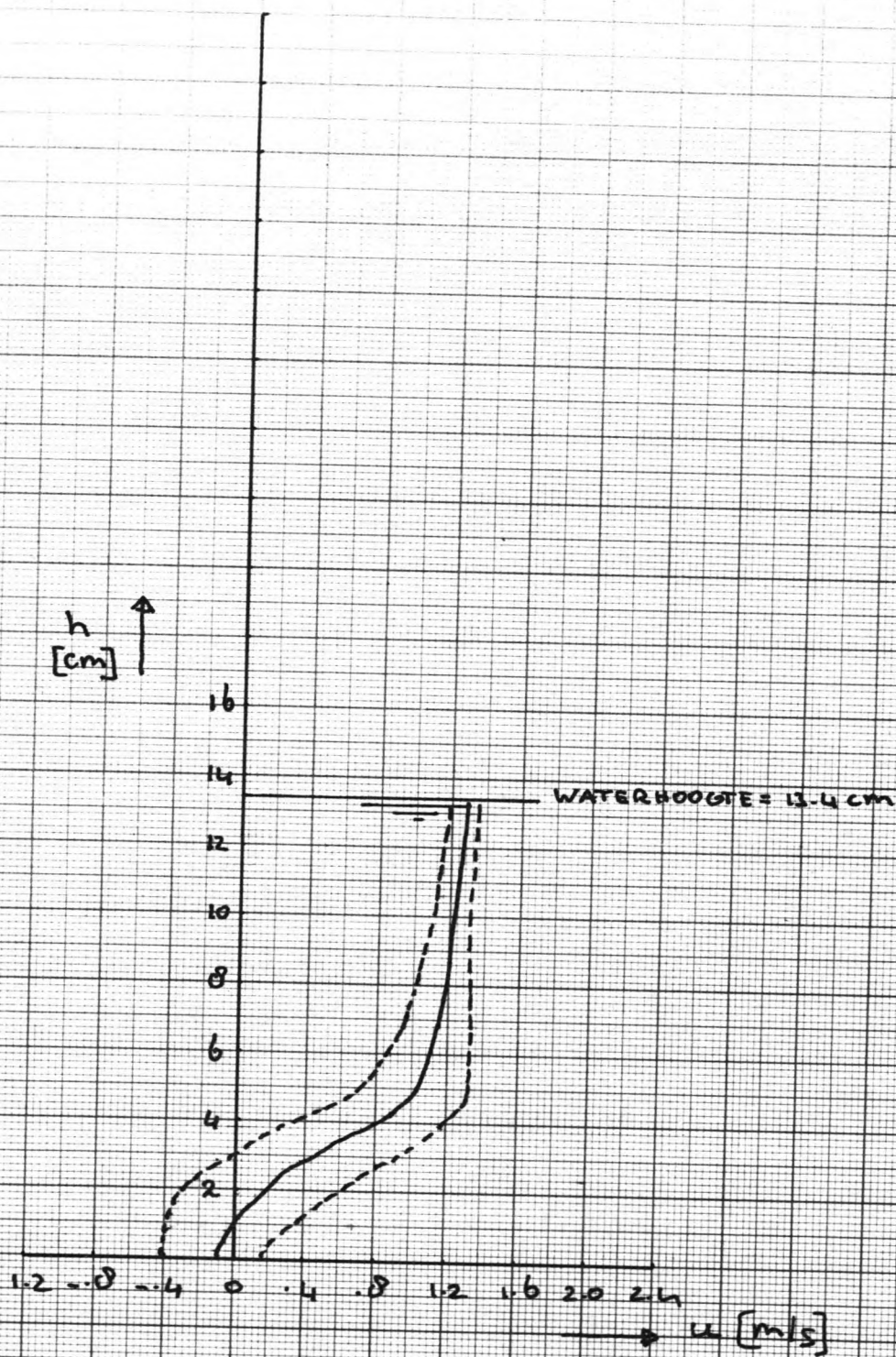


RUN V

PLAATS T.O.V. SPRONG: 0 [cm]

$D_{50} = 0.03$ m
 $h_s = 0.04$ m

FIG. S22



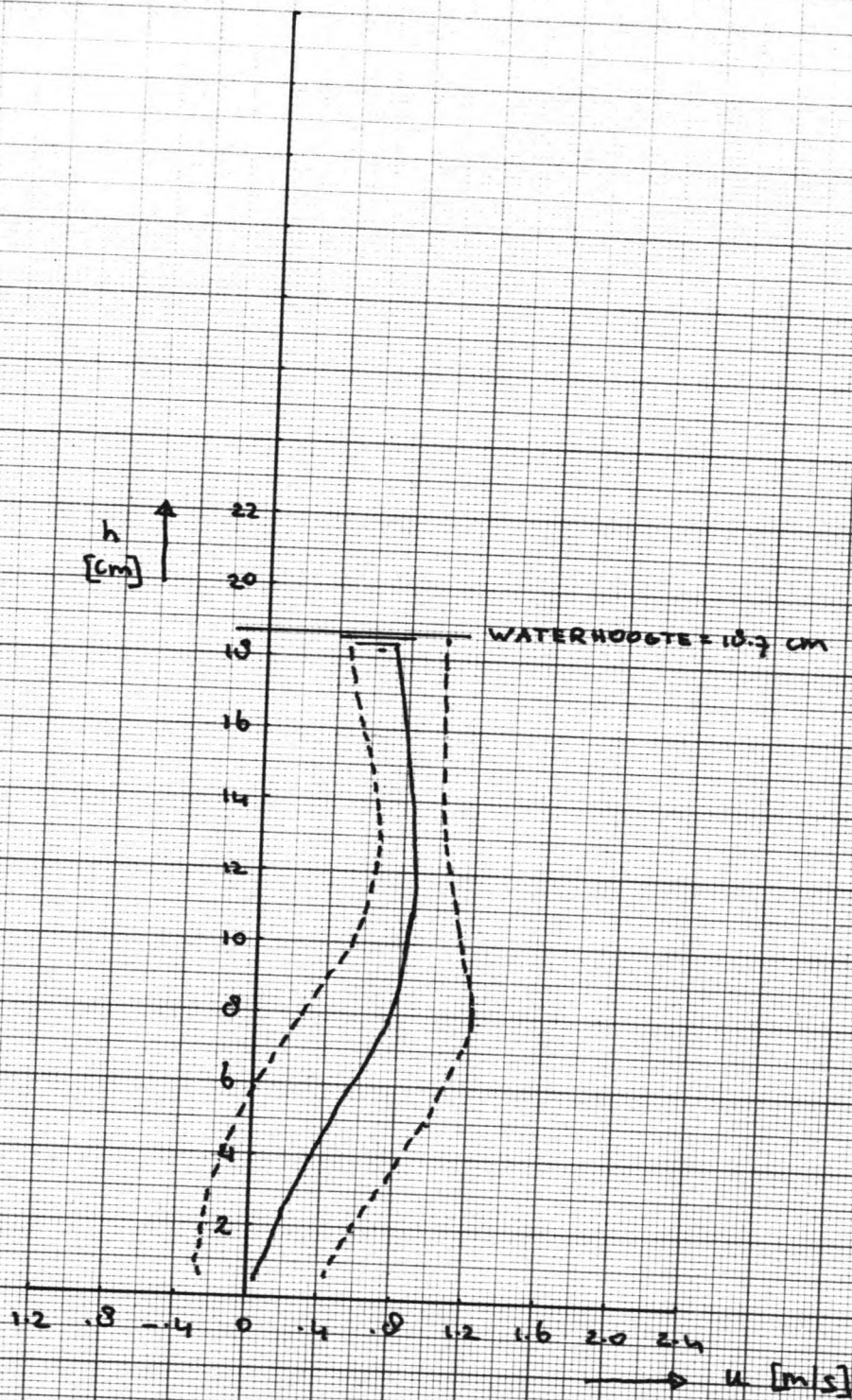
RUN V

PLAATS T.O.V. SPRONG: 19 cm

$D_{50} = 0.03 \text{ m}$

$h_s = 0.04 \text{ m}$

FIG. S25



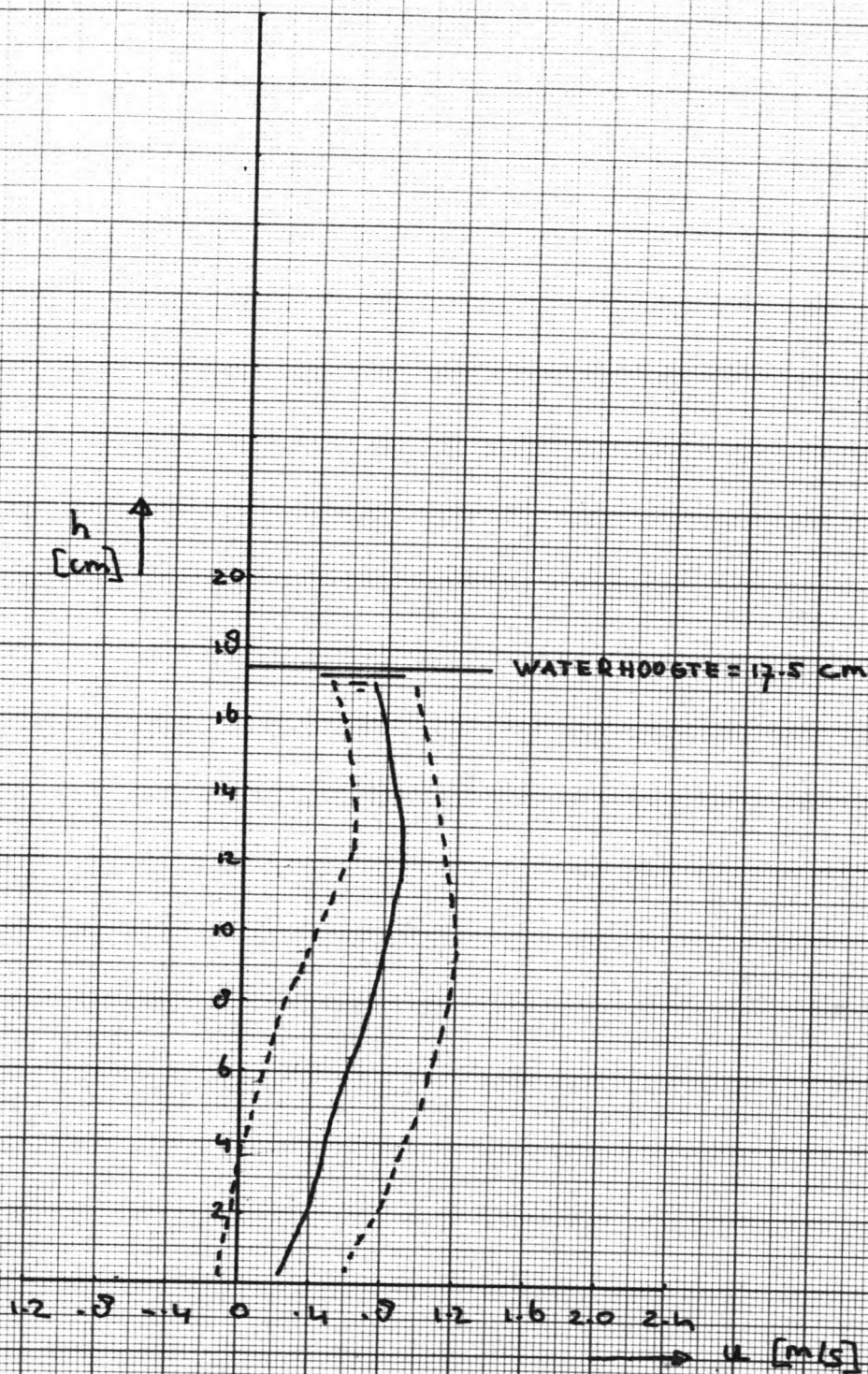
RUN V

PLAATS T.O.V. SPRONG: 50cm

$D_{50} = 0.03$ m

$h_s = 0.04$ m

FIG. S24

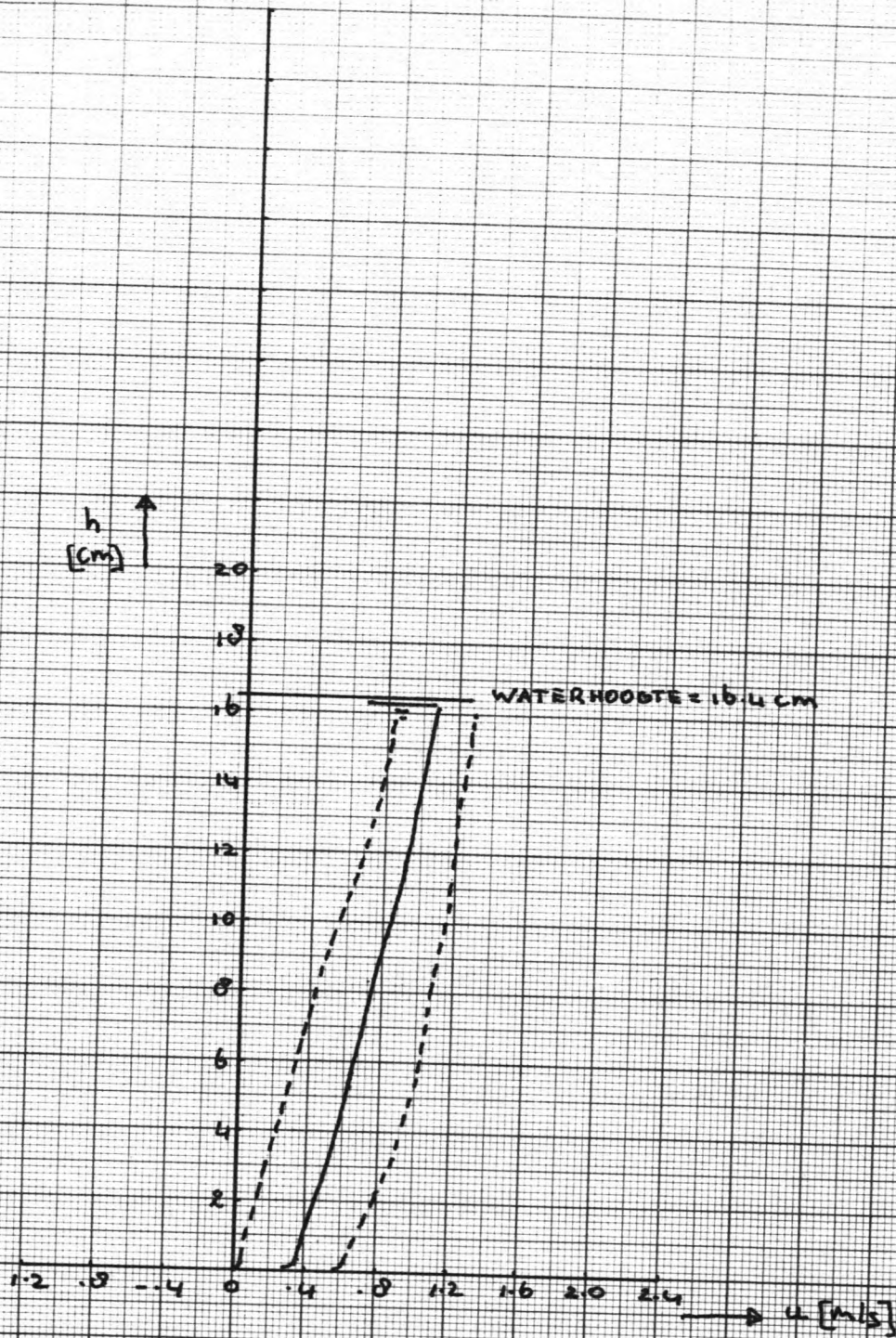


RUN V

PLAATS T.O.V. SPRONG: $\varnothing 5$ cm

$D_{50} = 0.03$
 $h_s = 0.04$

FIG. S25

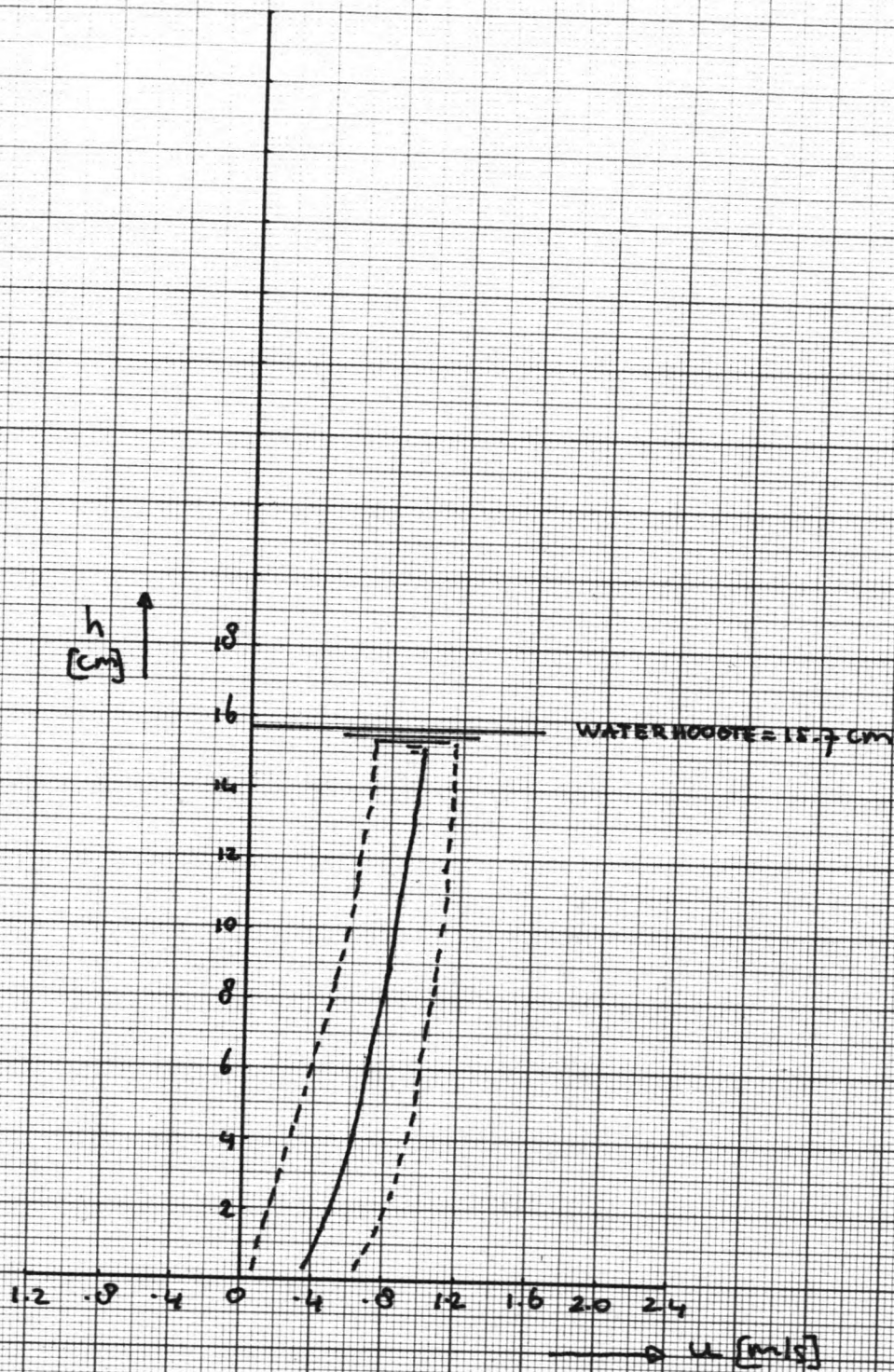


RUN V

PLAATS T.O.V. SPRONG: 120 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S26

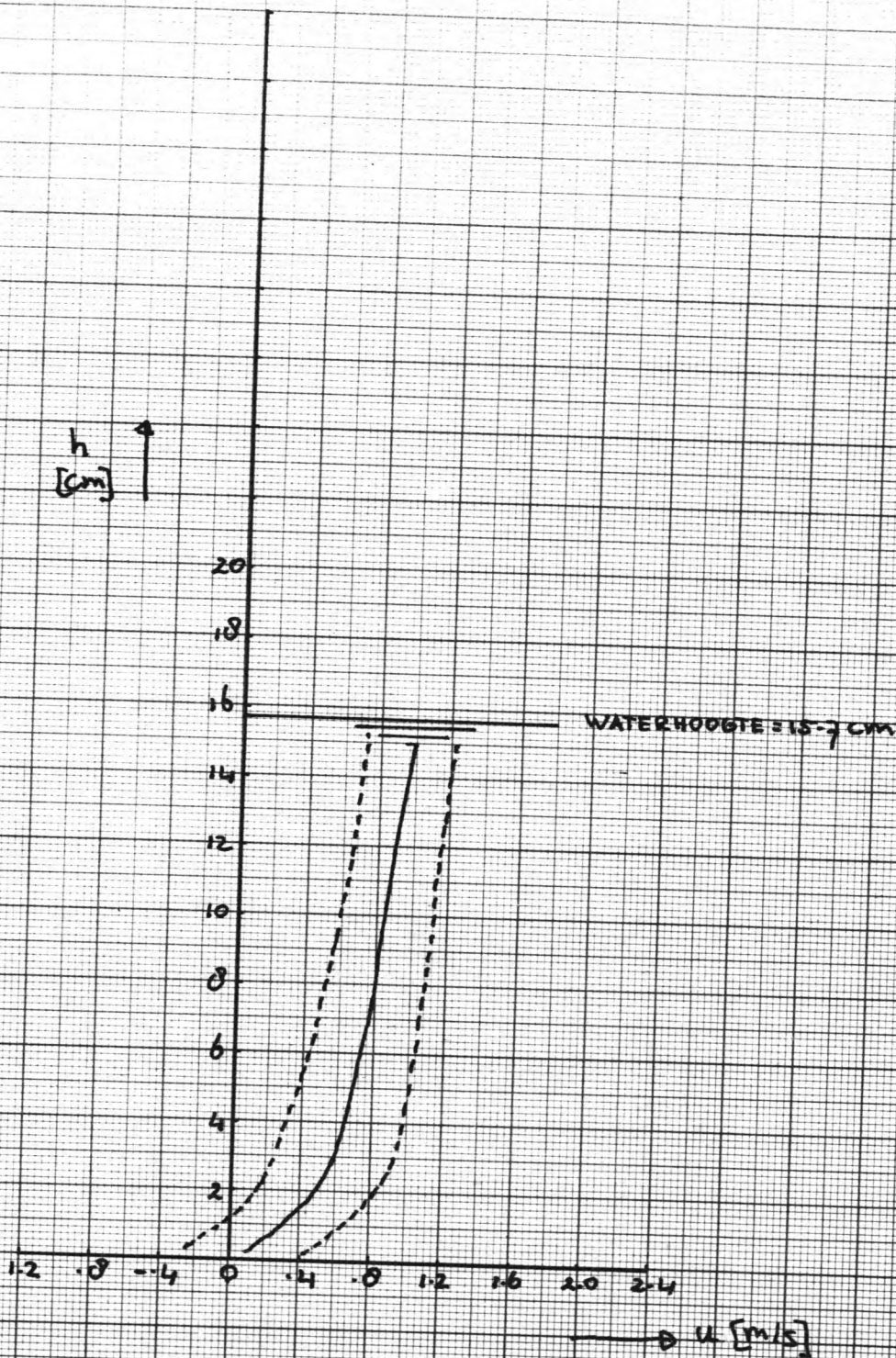


RUN V

PLAATS T.O.V. SPRONG: 200 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S27

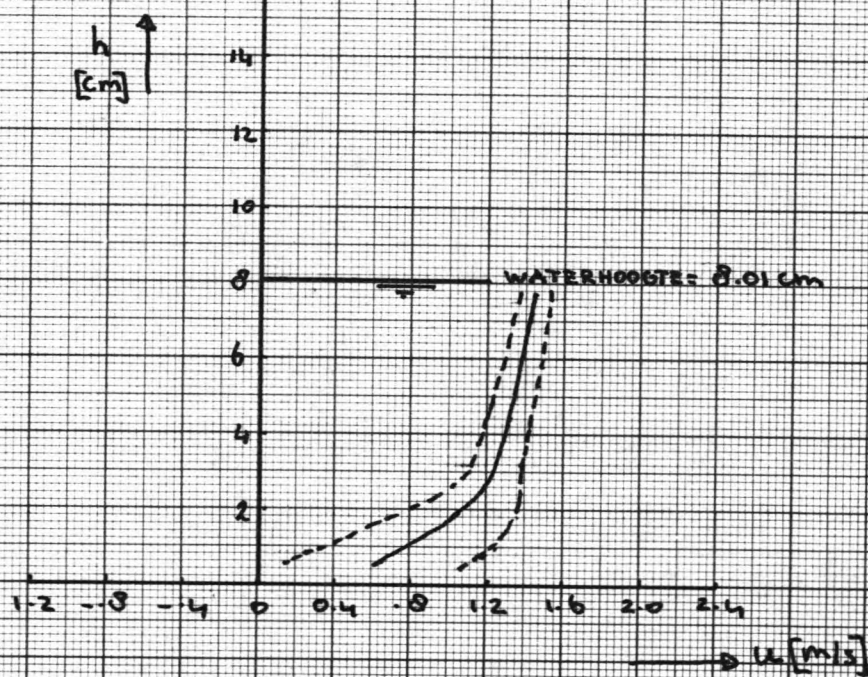


RUN V

PLAATS T.O.V SPRONG: 300cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S23

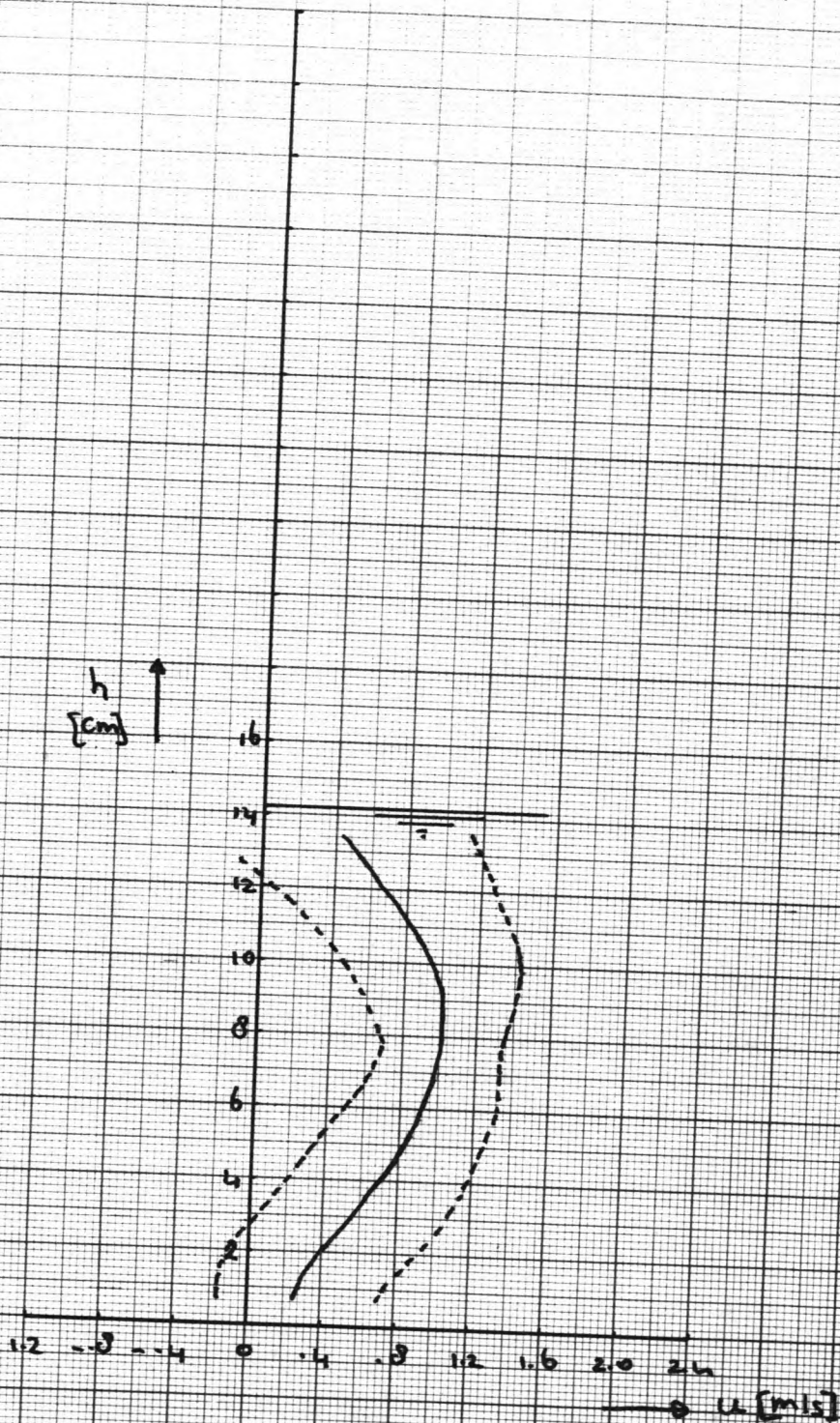


RUN VII

PLAATS T.O.V. SPRONG: 22cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S29

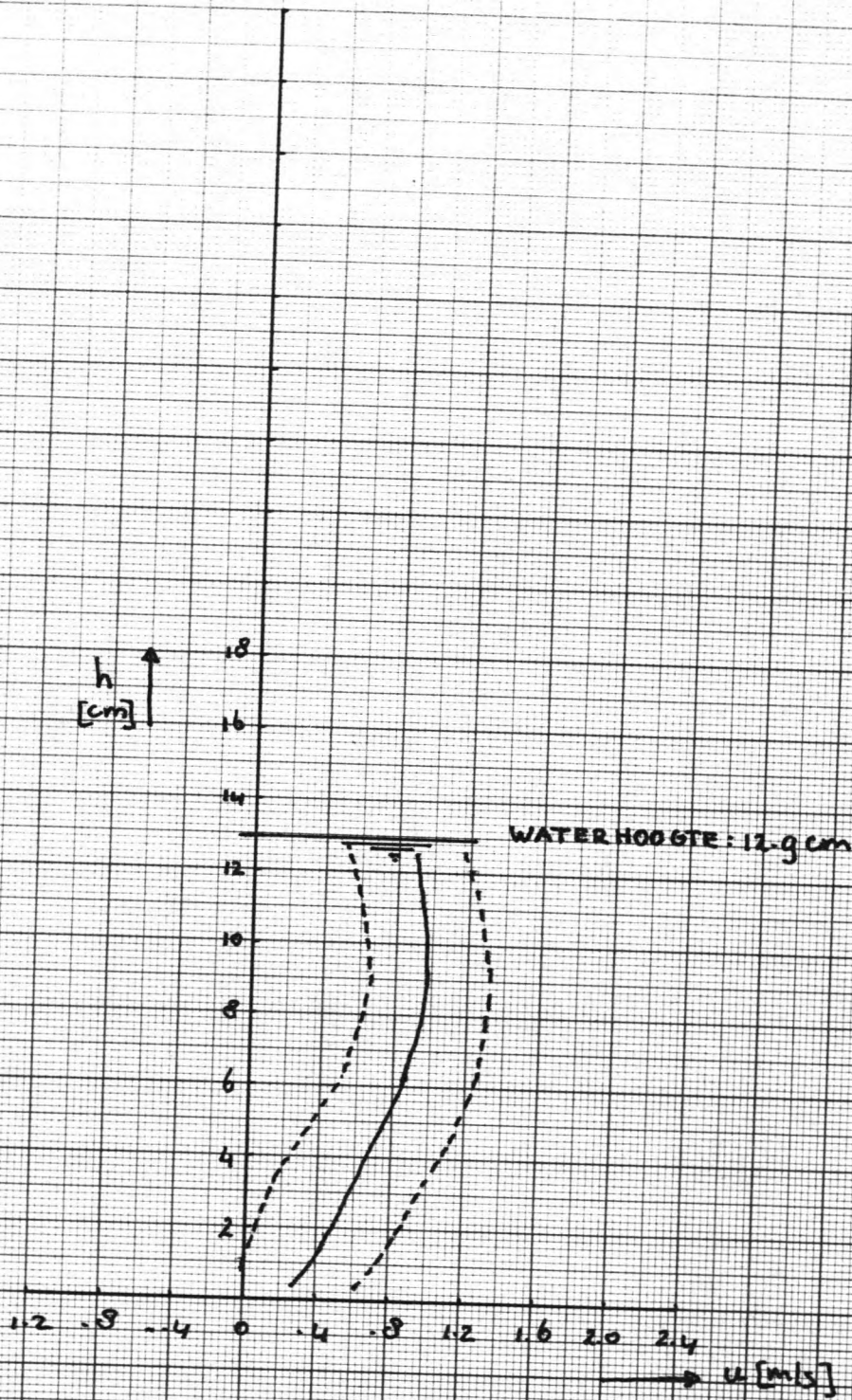


RUN VII

PLAATS T.O.V. SPRONG: 50 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S30

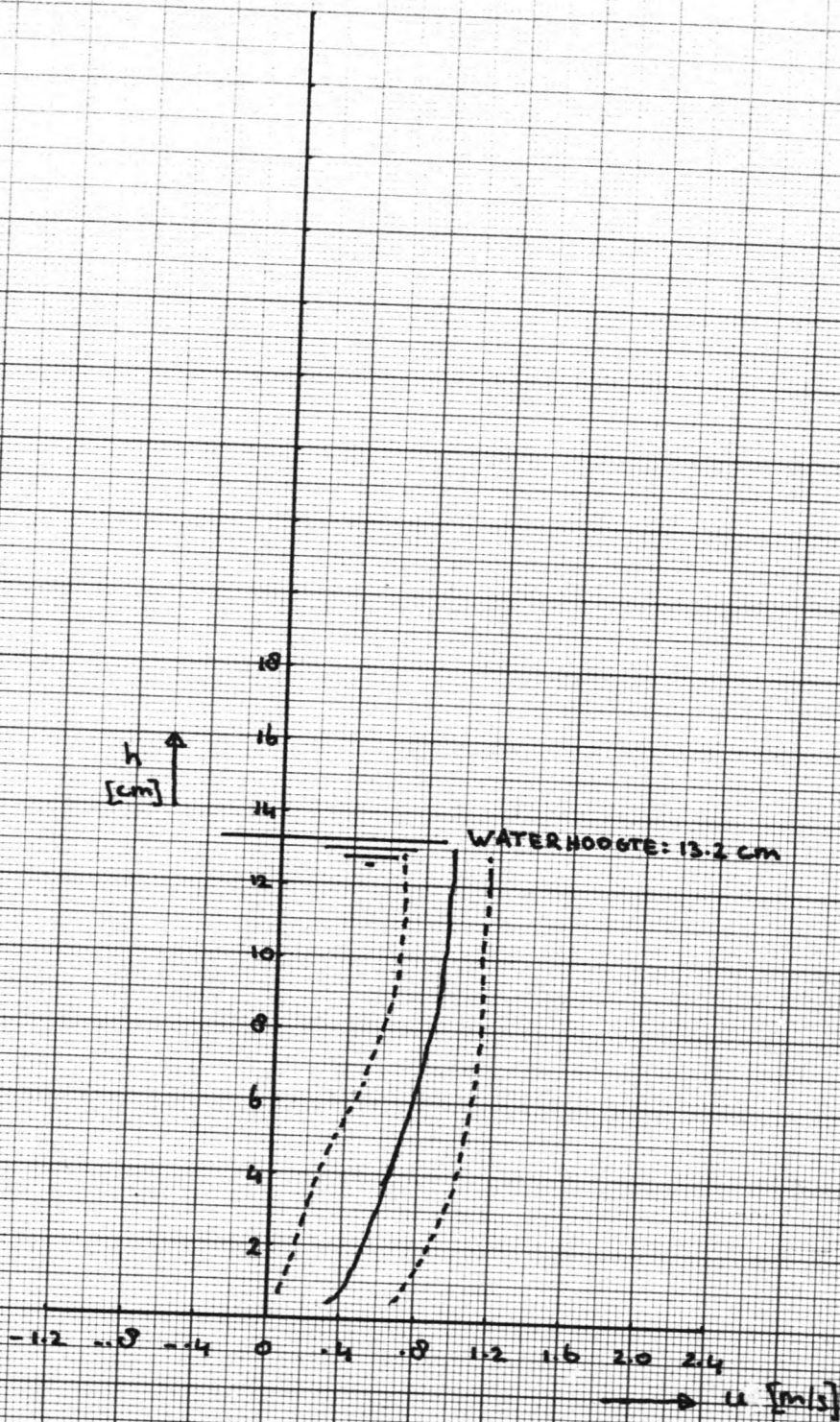


RUN VII

PLAATS T.O.V. SPRONG: 75 cm

$D_{50} = 0.03$ m
 $h_s = 0.04$ m

FIG. S31

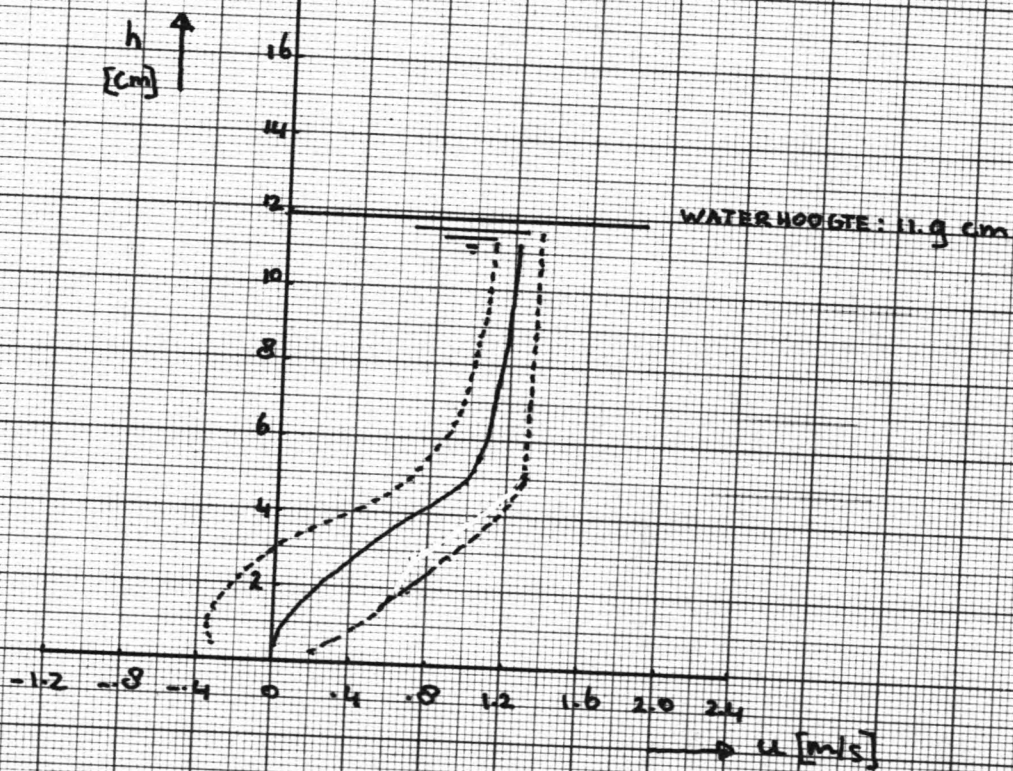


RUN VII

PLAATS T.O.V. SPRONG: 105 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. 532

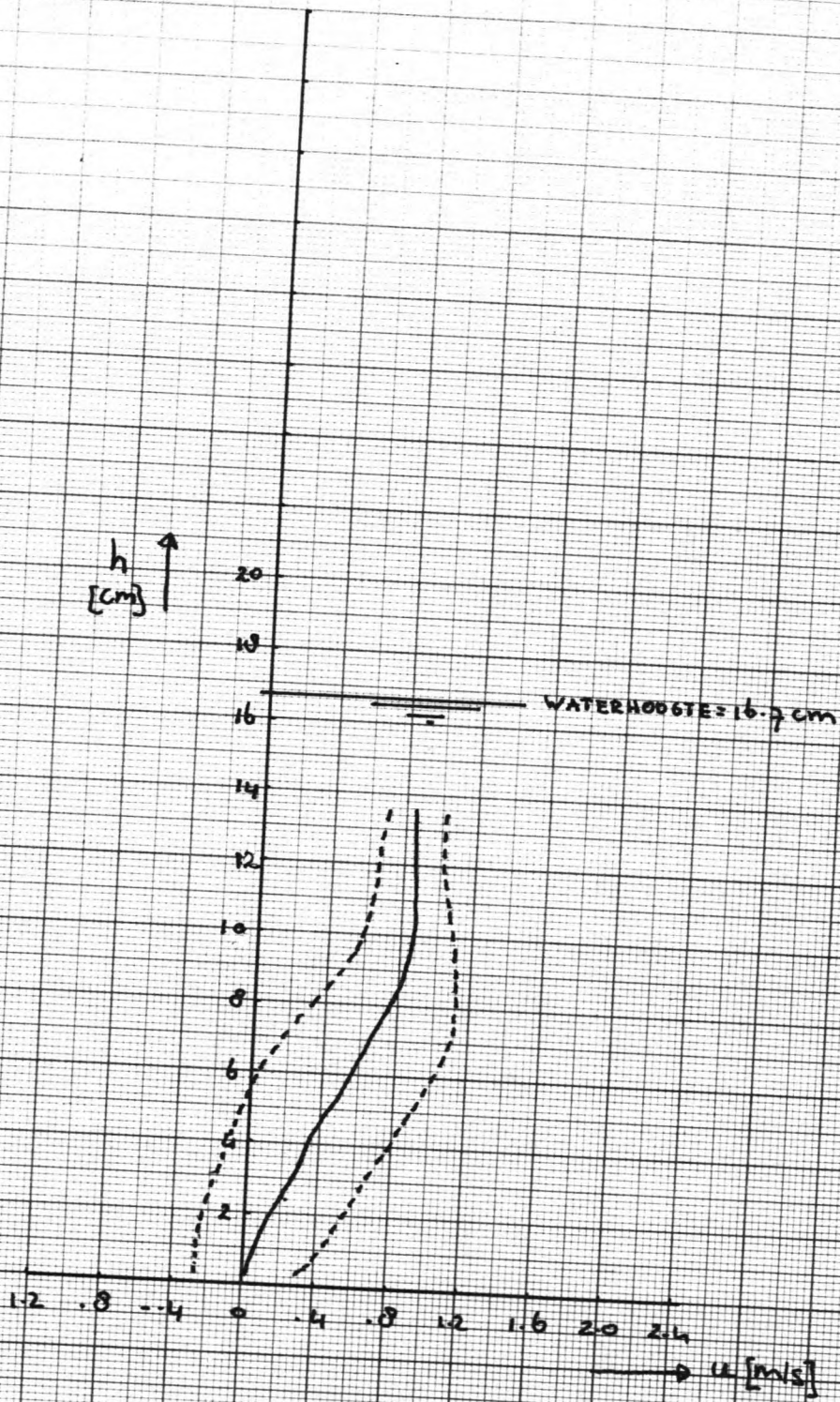


RUN VIII

PLAATS T.O.V. SPRONG: 21 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

FIG. S33

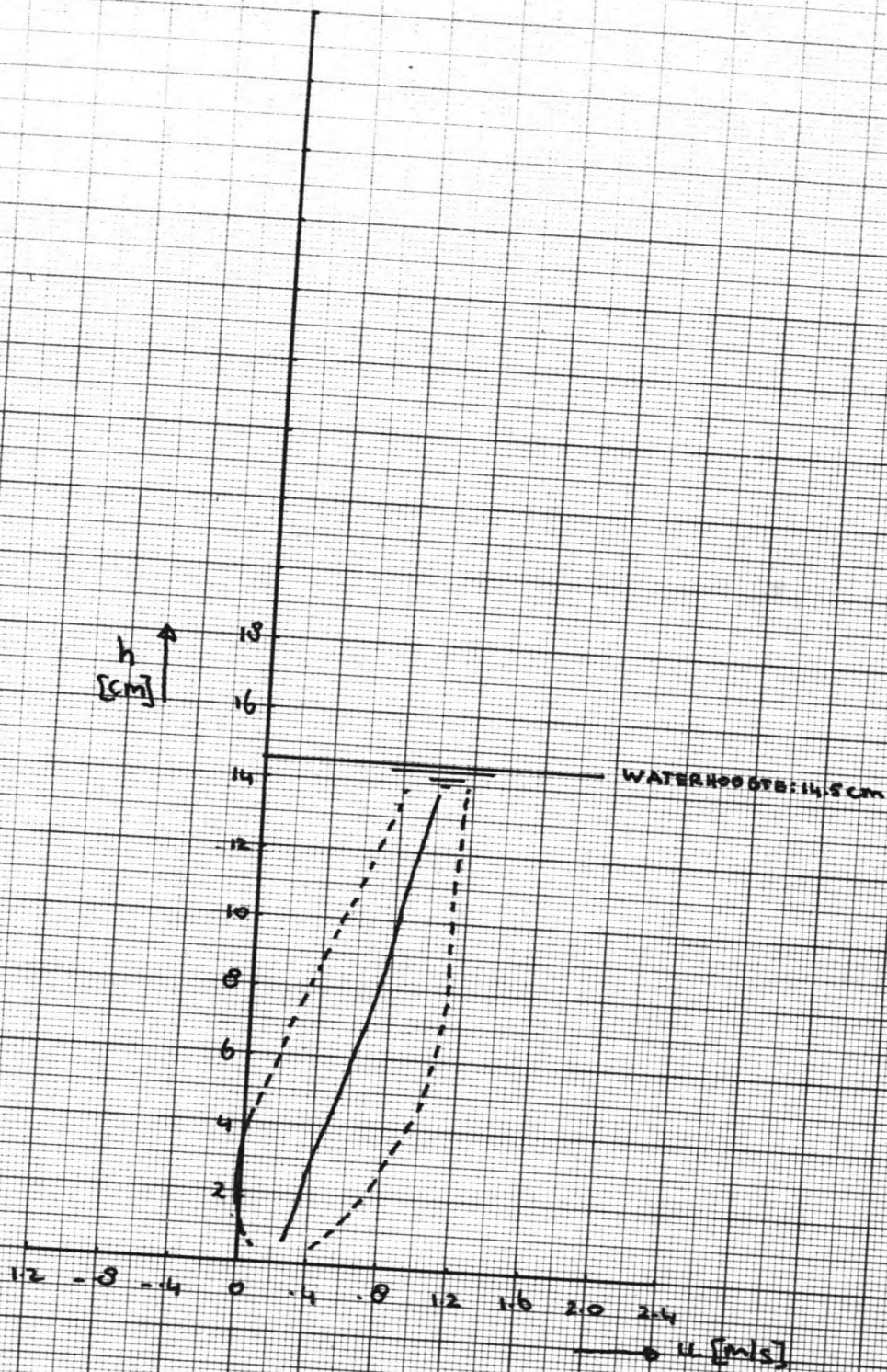


RUN VIII

PLAATS T.O.V. SPRONG: 50 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.02 \text{ m}$

FIG: S24

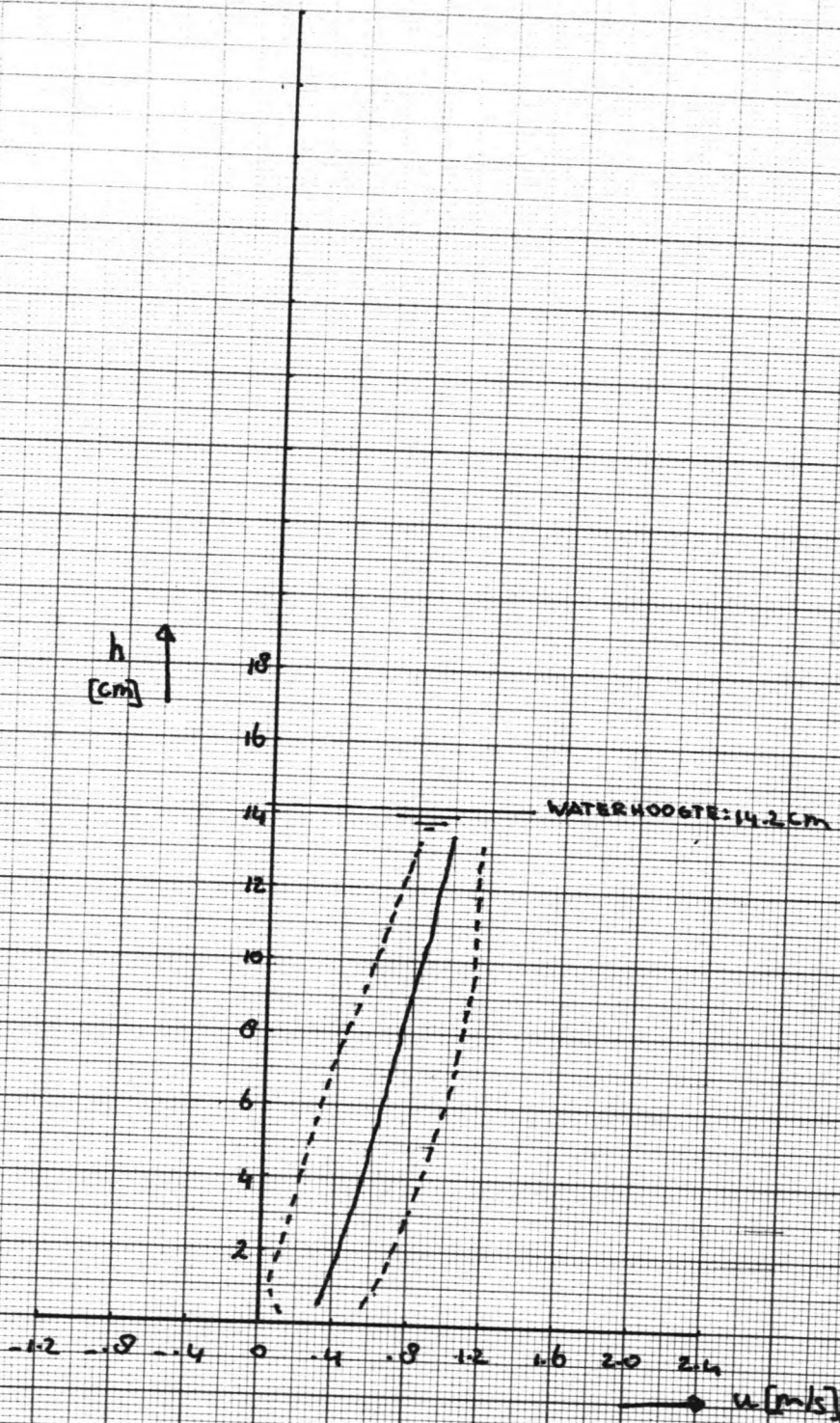


RUN VIII

PLAATS T.O.V. SPRONG: 75 cm

$D_{50} = 0.03 \text{ m}$
 $h_{sc} = 0.04 \text{ m}$

FIG. 535

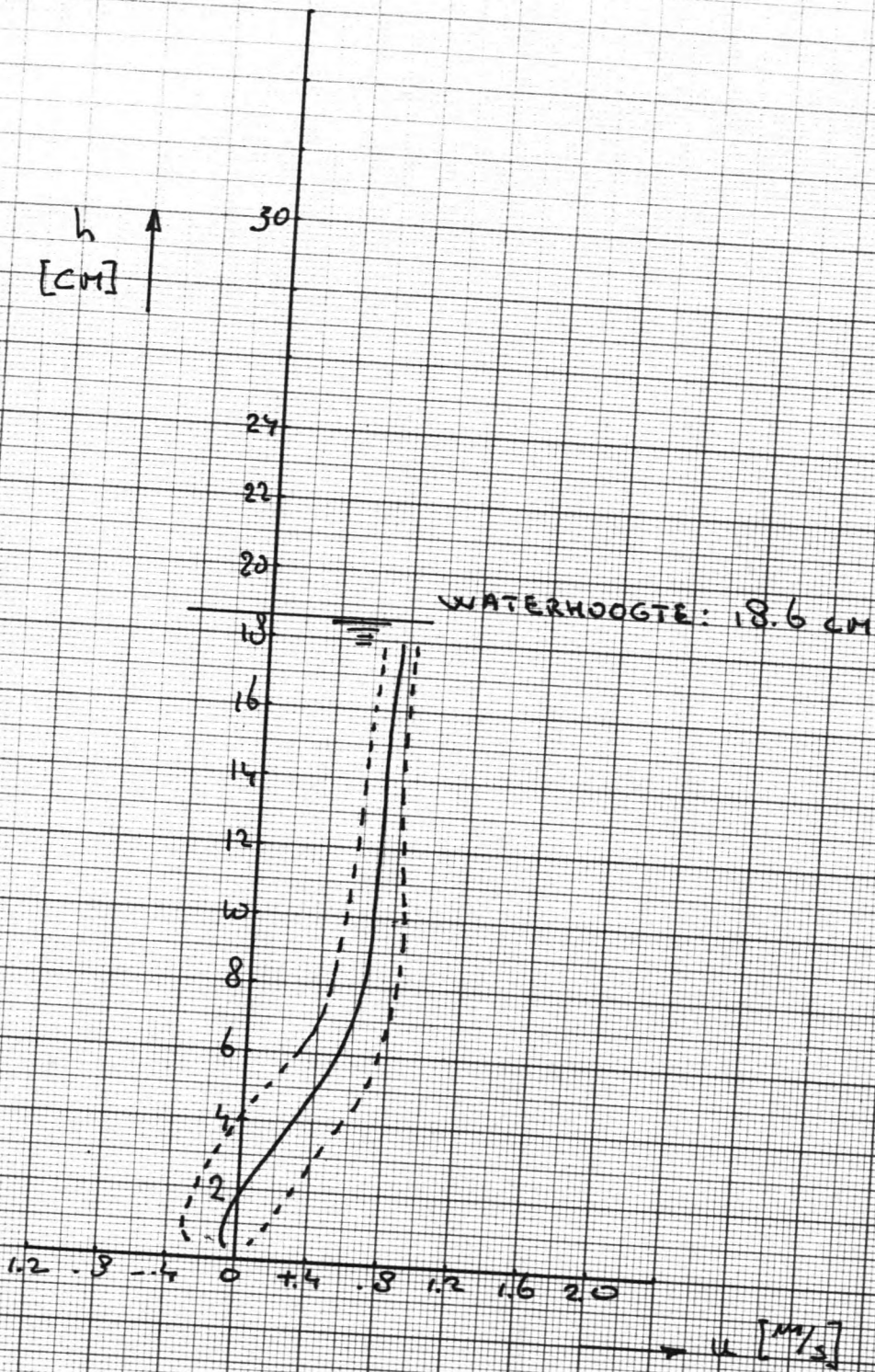


RUN VIII

PLAATS T.O.V. SPRONG: 105 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

Fig: S36



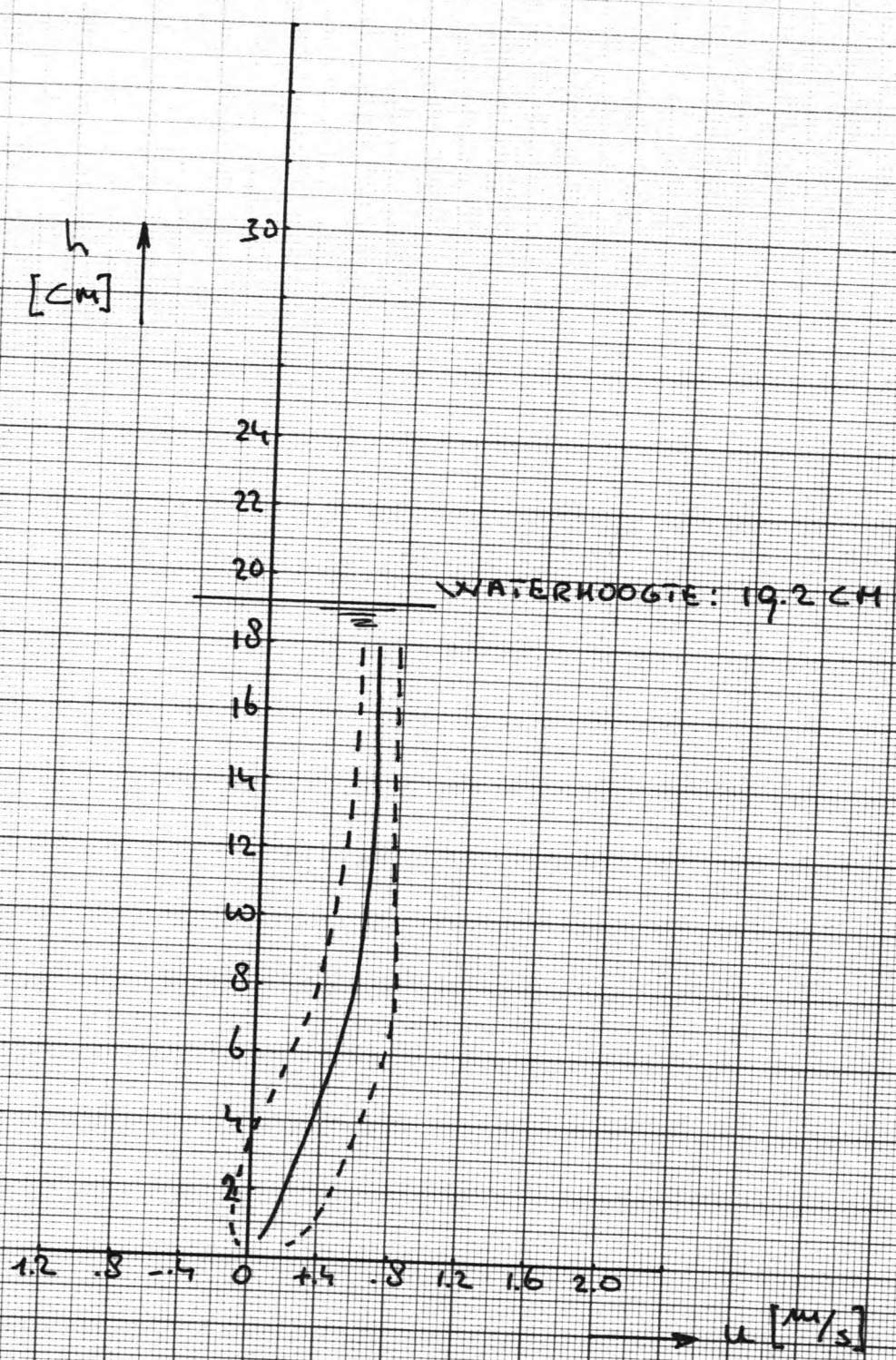
RUN IX

PLAATS T.O.V. SPRONG: 21 cm

$D_{50} = 0.03$

$h_s = 0.04$

FIG. S37



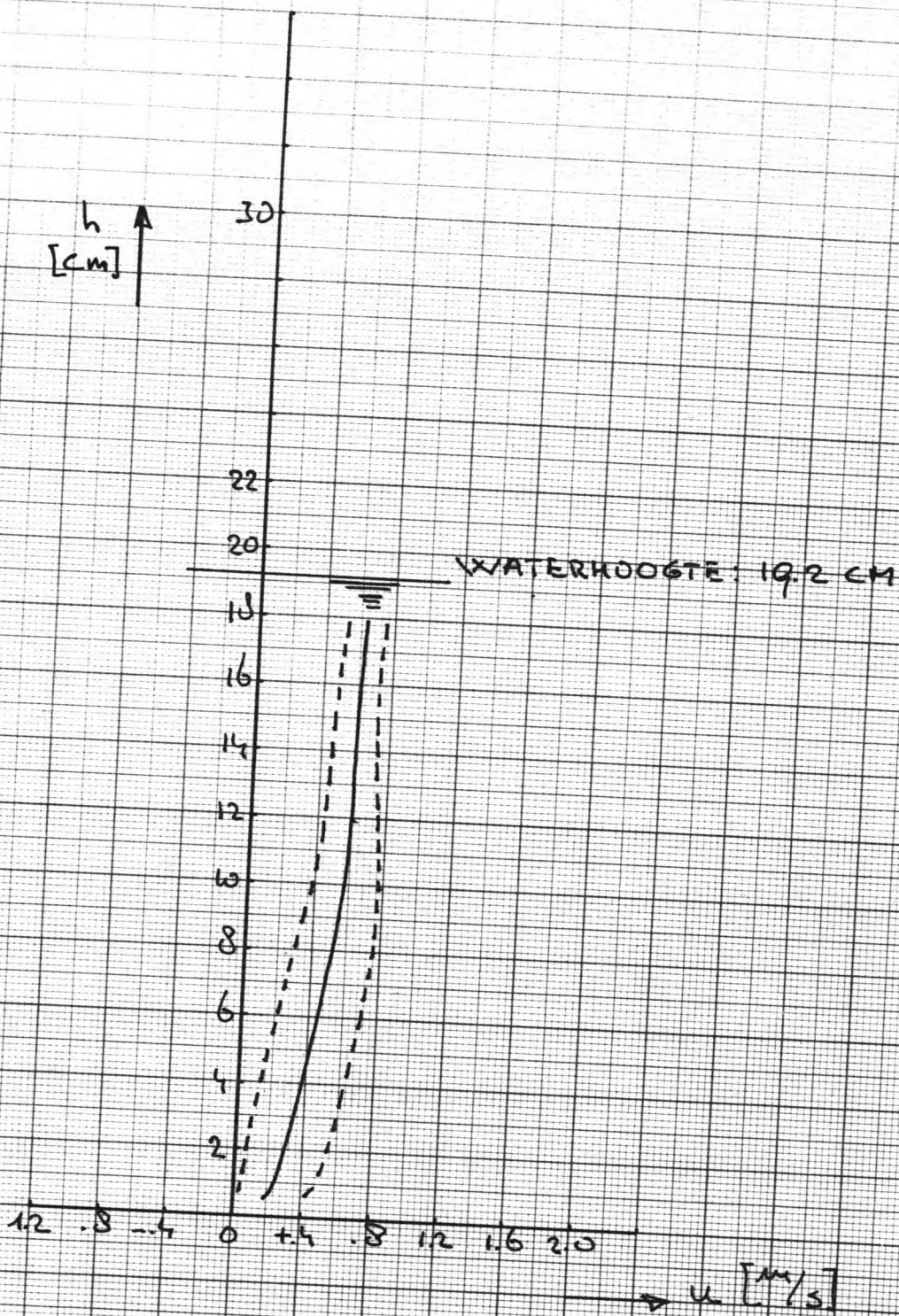
RUN IX

PLAATS T.O.V. SPRONG: 50 CM

$D_{50} = 0.03$

$h_s = 0.04$

FIG. S38



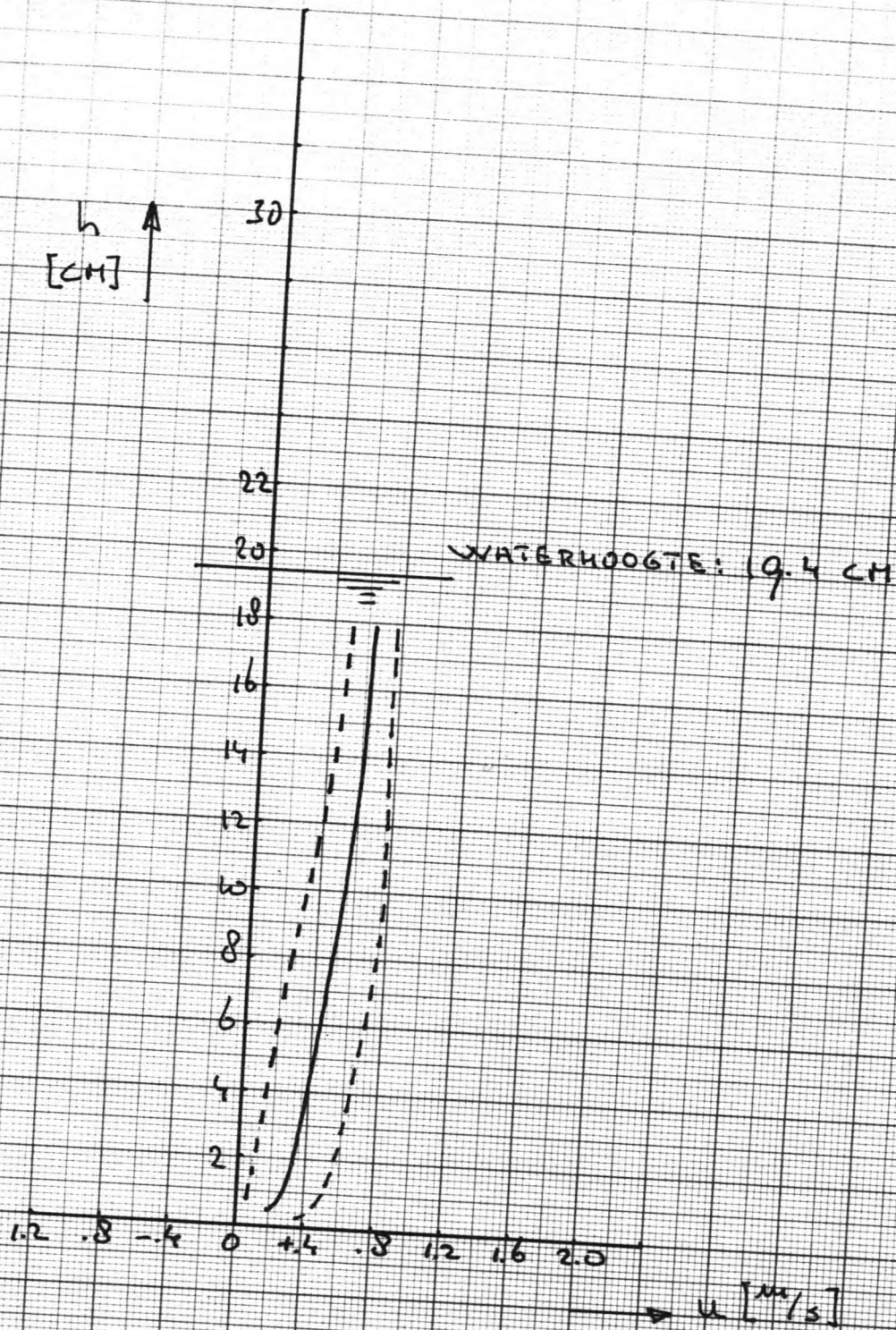
RUN IX

PLAATS T.O.V. SPRONG: 75 CM

$D_{50} = 0.03$

$h_s = 0.04$

Fig. S39



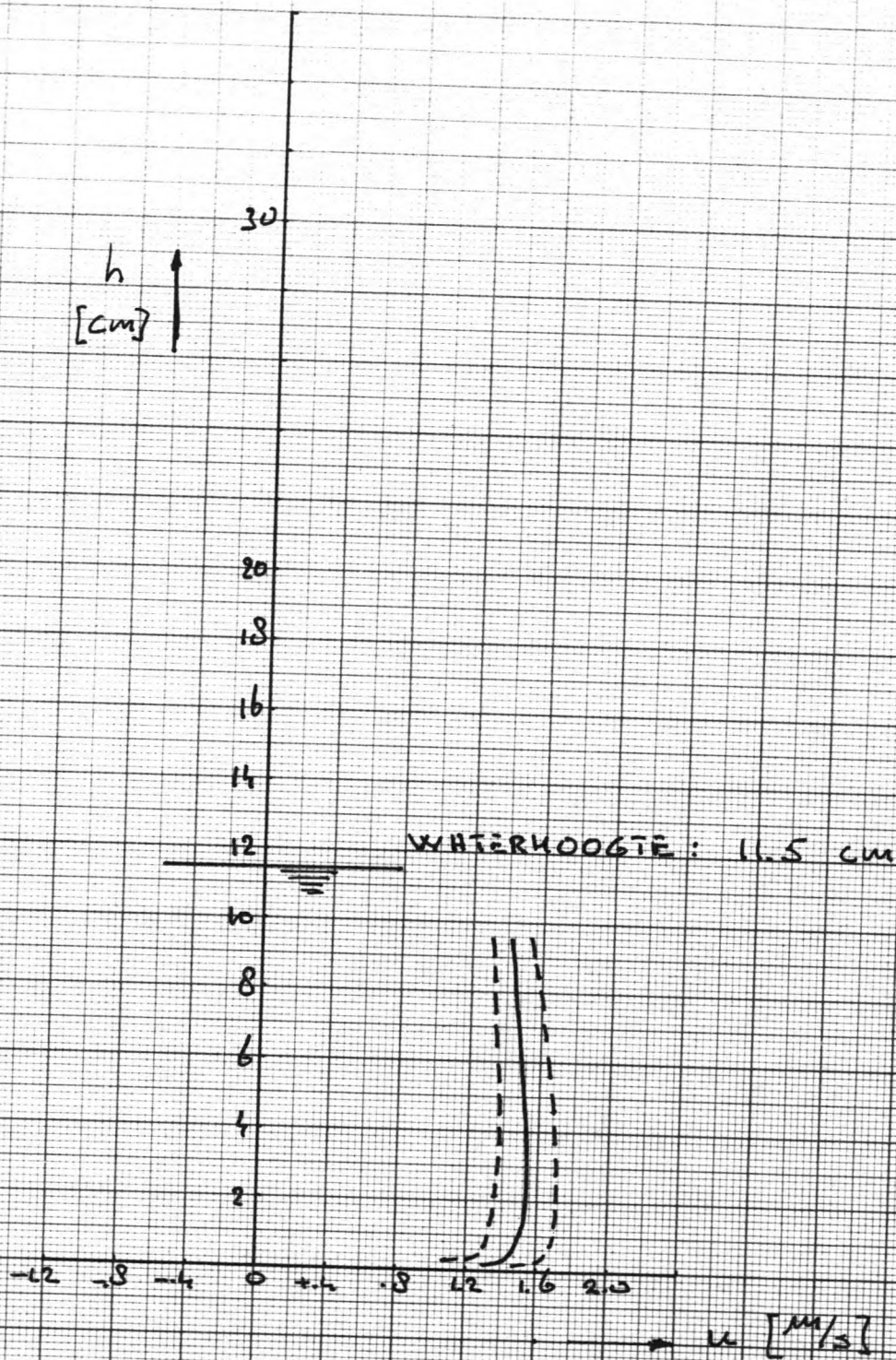
RUN IX

PLAATS T.O.V. SPRONG: 105 CM

$D_{50} = 0.03$

$h_s = 0.04$

FIG. S40



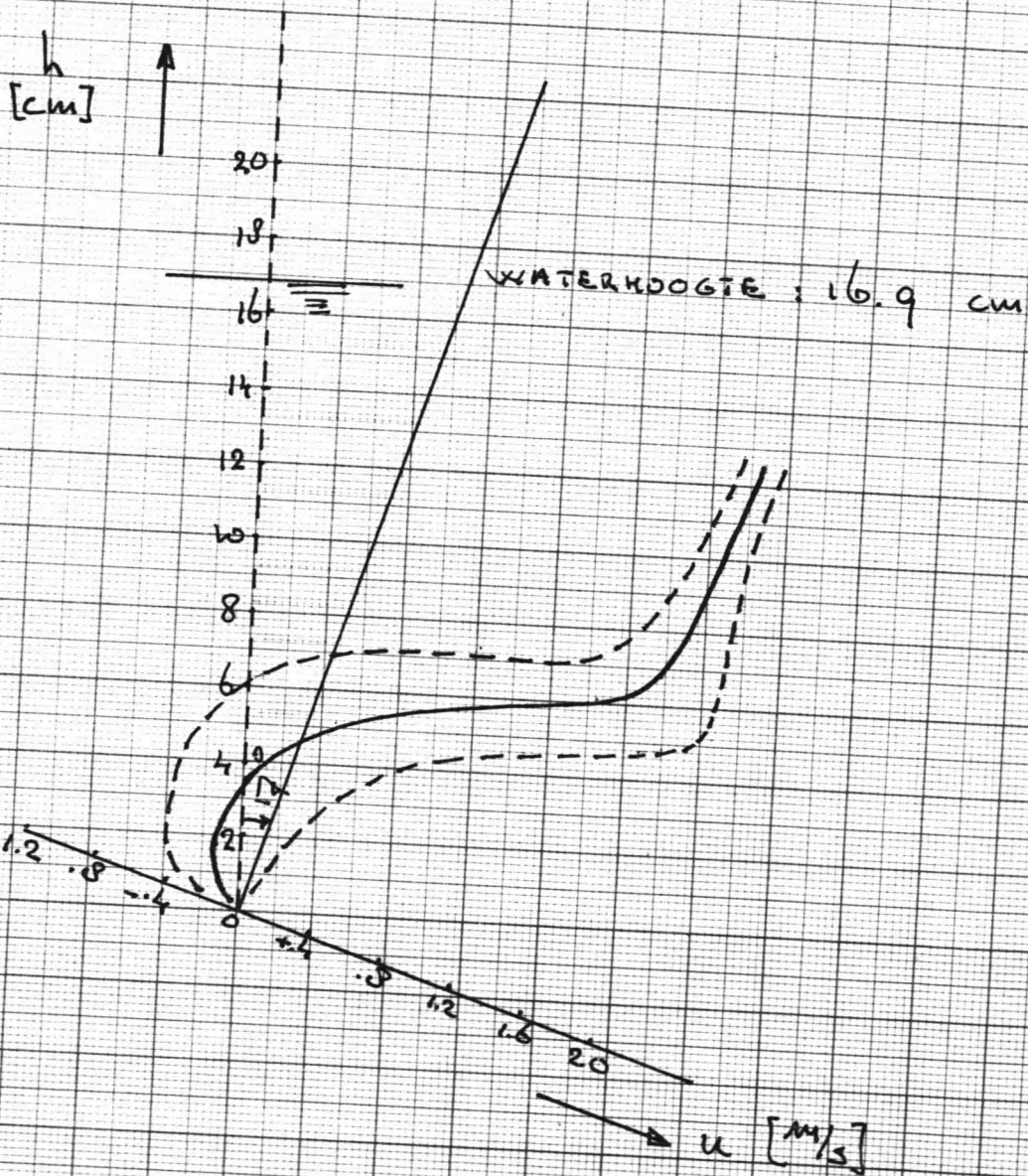
RUN X

PLAATS T.O.V. SPRONG: 0 CM

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S41



RUM X

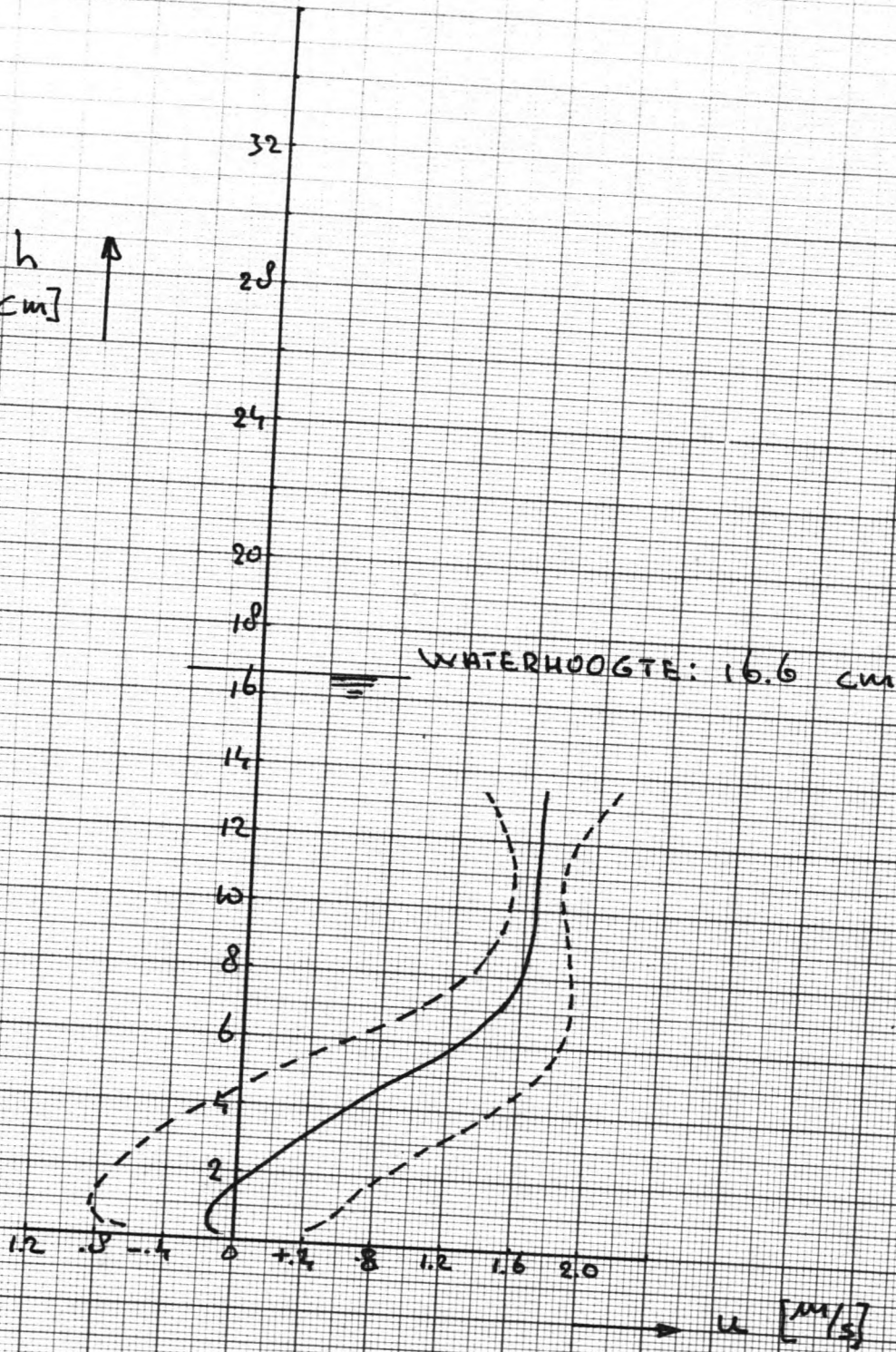
PLAATS T.O.V. SPRONG : 18 cm

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S42

h
[cm]



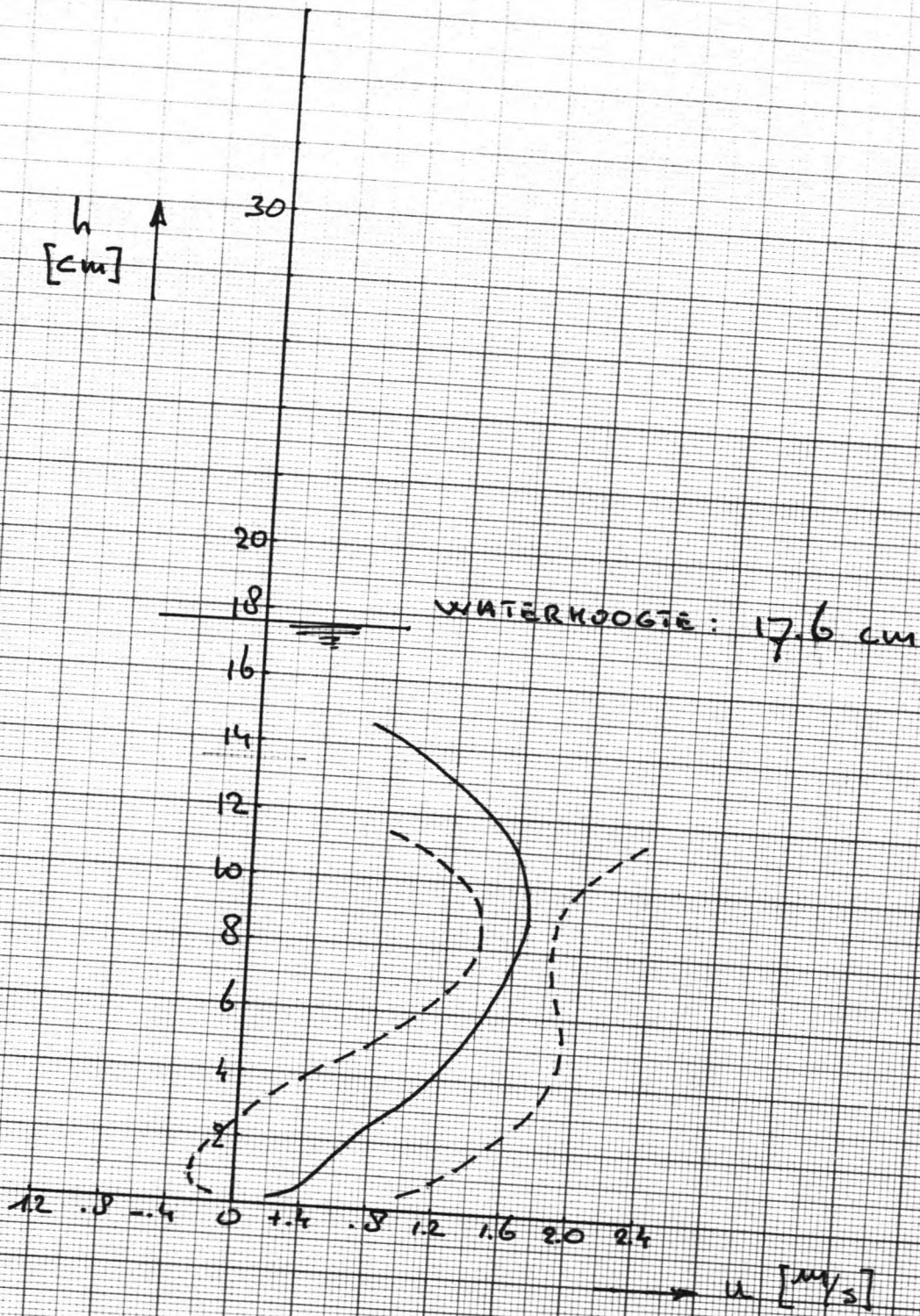
RUN X

PLAATS T.O.V. SPRONG: 30 CM

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S43



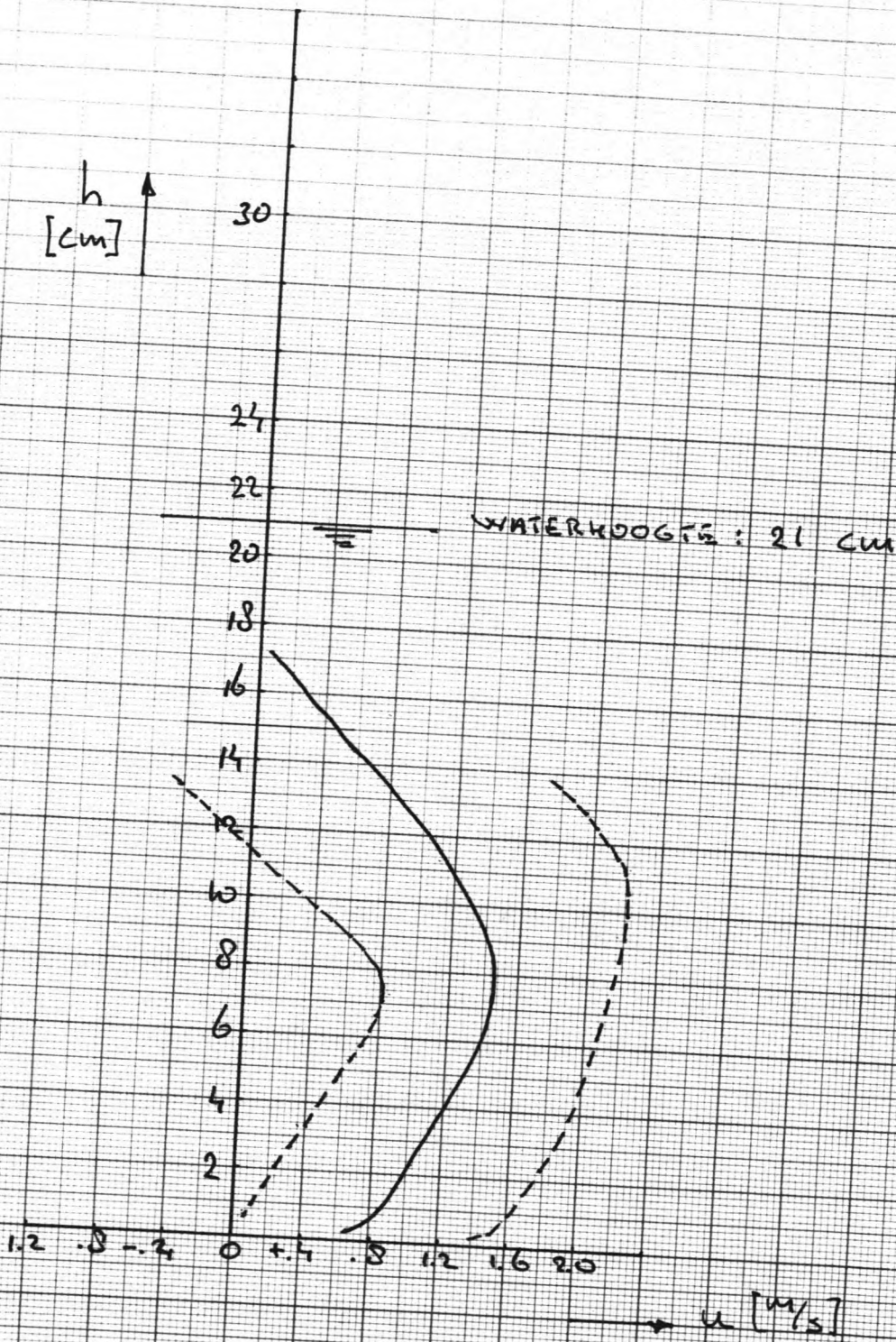
RUM X

PLAATS T.O.V. SPRONG: 40 CM

$D_{50} = 0.03$

$h_s = 0.12$

FIG. 544



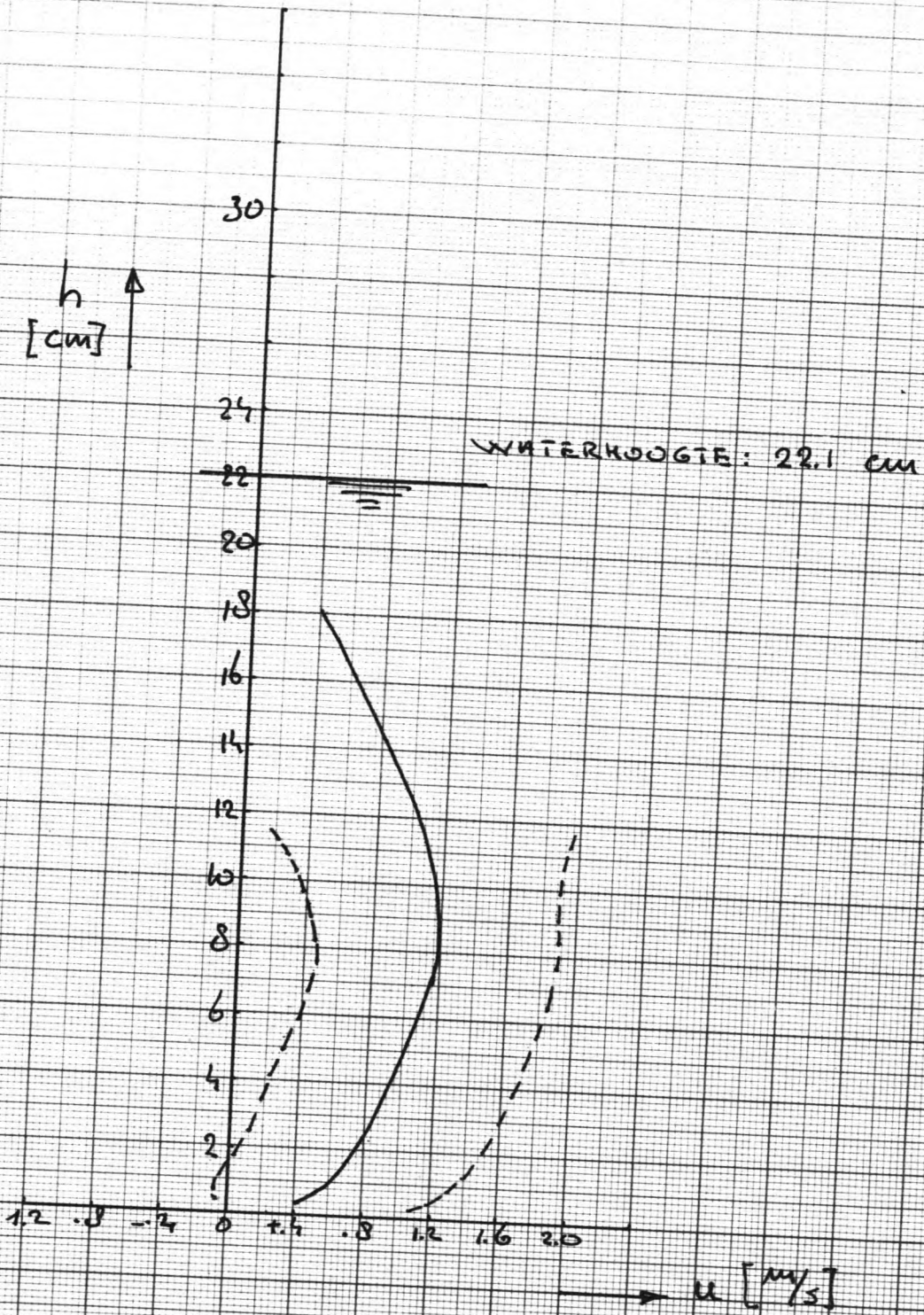
RUN X

PLAATS T.O.V. SPRONG: 60 cm

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S45



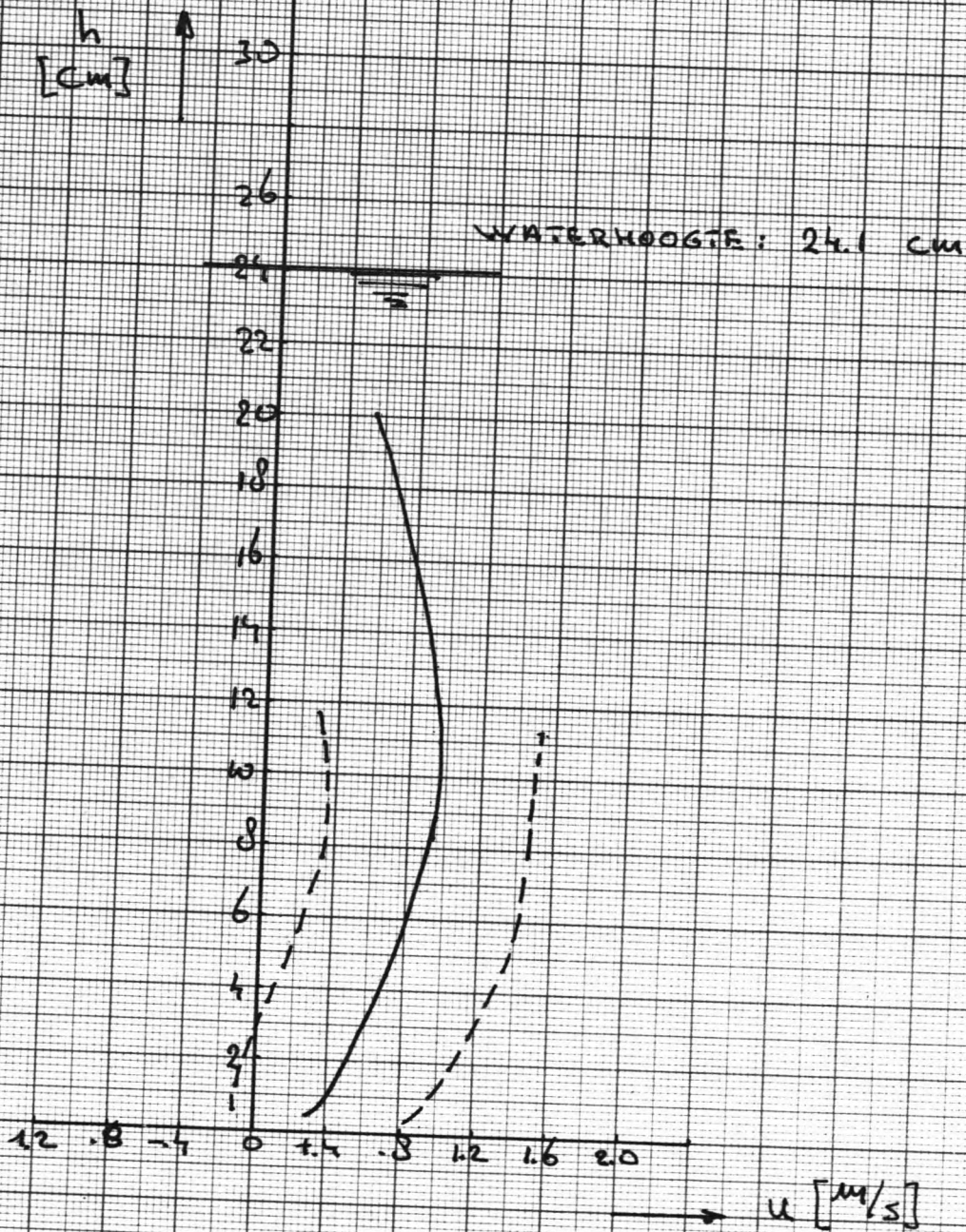
RUN X

PLAATS T.O.V. SPRONG: 80 cm

$D_{50} = 0.03$

$h_s = 0.12$

FIG. 546



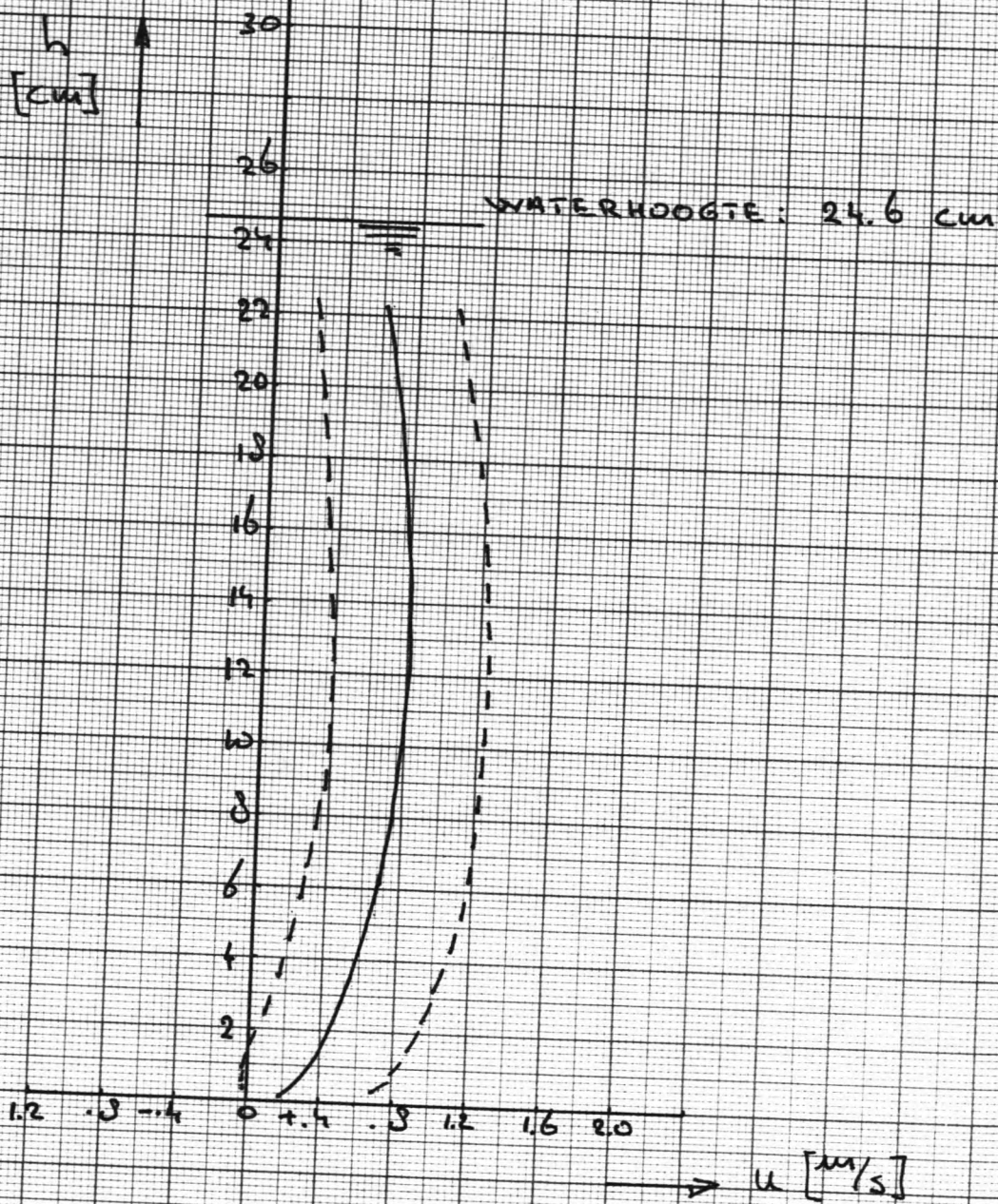
RUM X

PLAATS T.O.V. SPRONG: 110 cm

$$D_{50} = 0.03$$

$$h_s = 0.12$$

Fig. S47



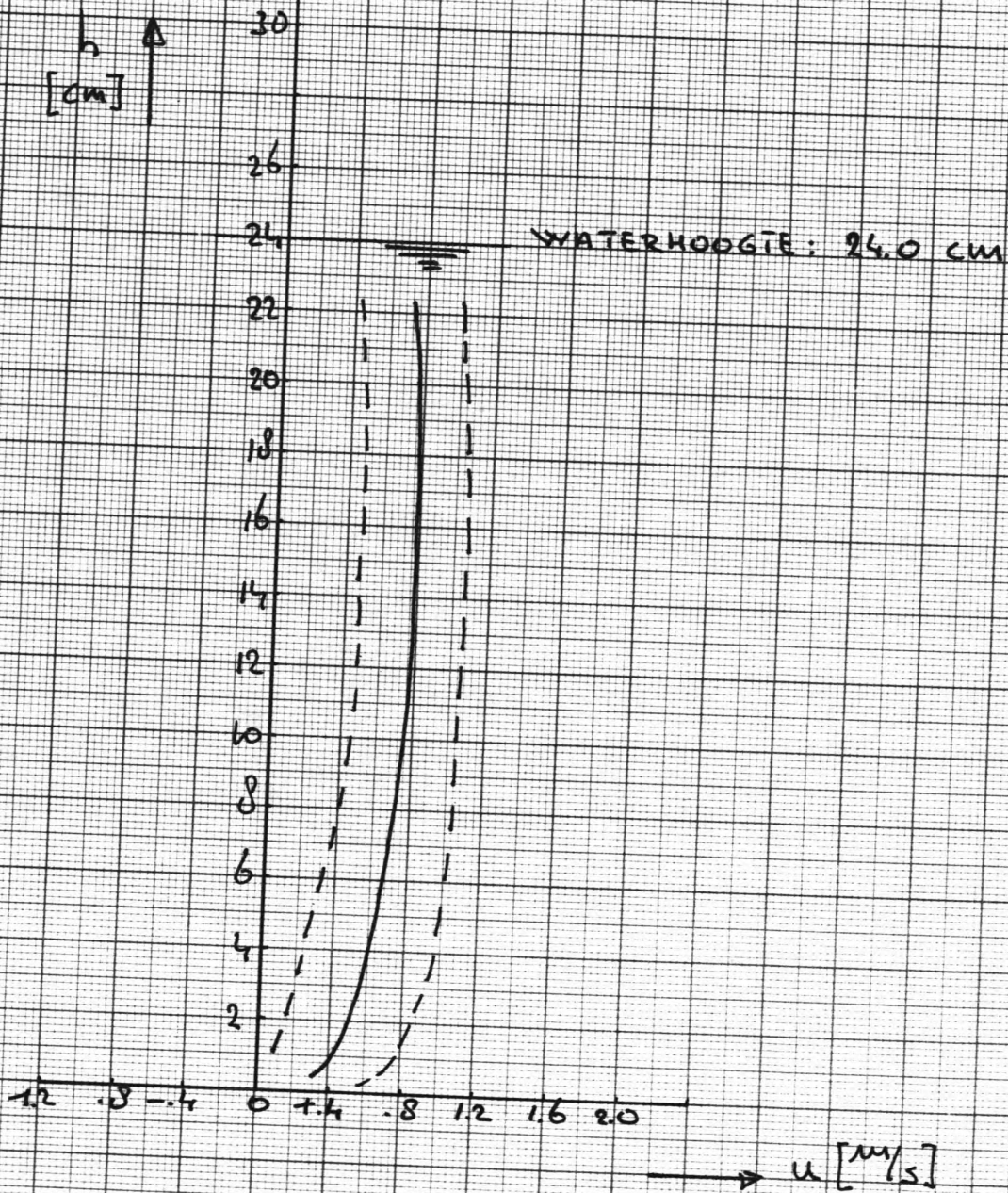
RUM X

PLAATS T.O.V. SPRONG: 150 cm

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S48



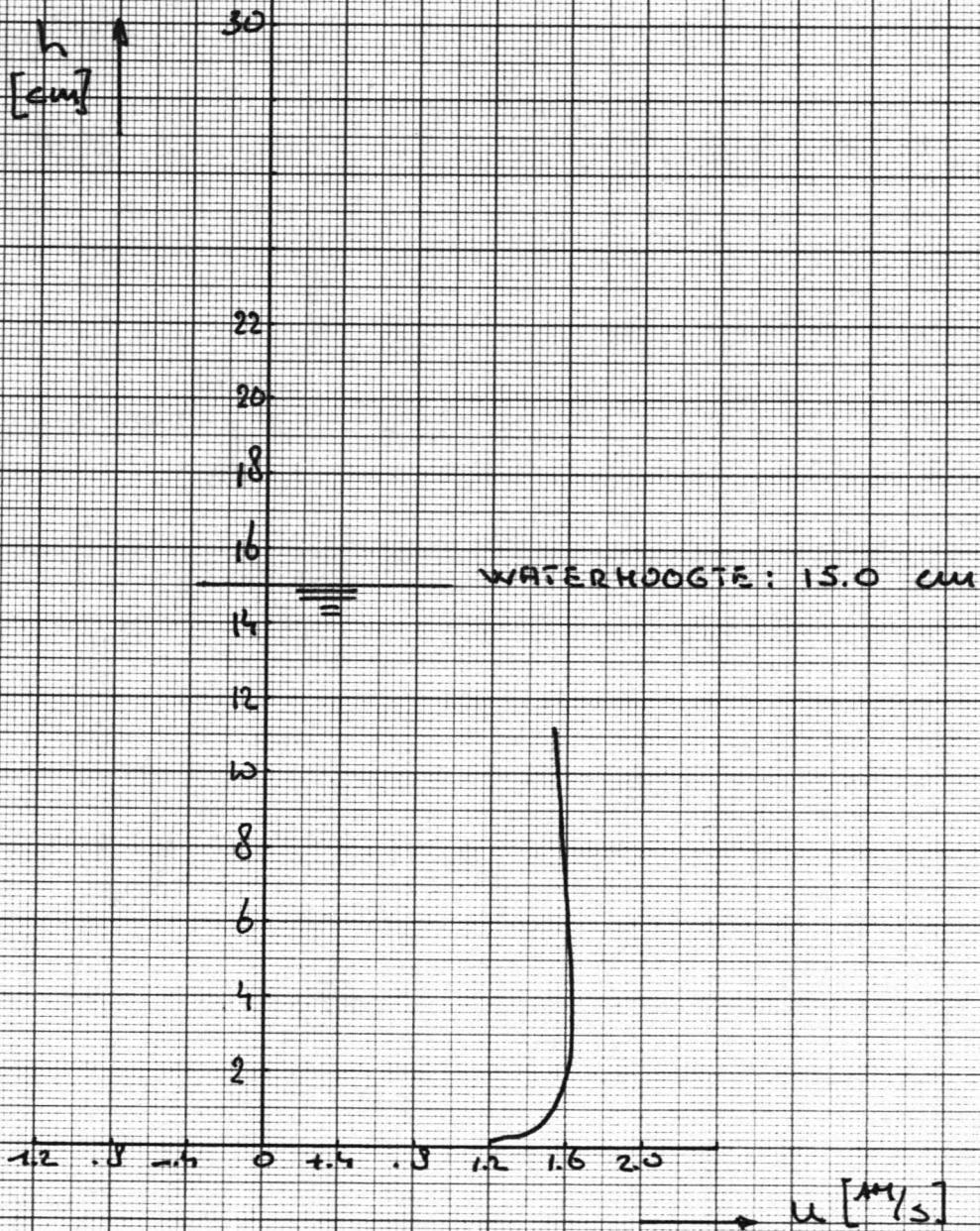
RUN X

PLAATS T.O.V. SPRONG: 200 CM

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S49

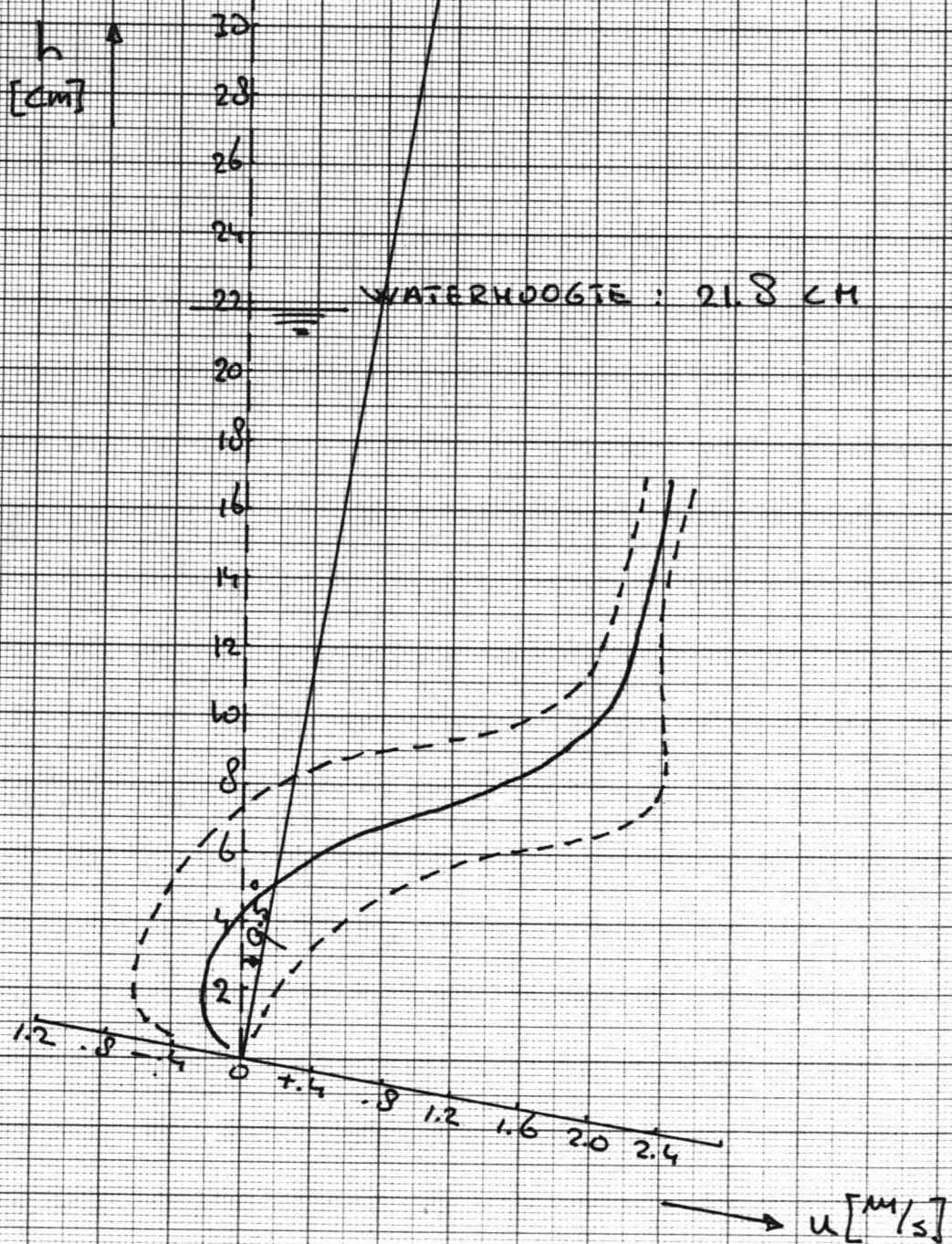


RUN XI

PLAATS T.O.V. SPRONG: 0 cm

$D_{50} = 0.03$
 $h_s = 0.12$

FIG. S50

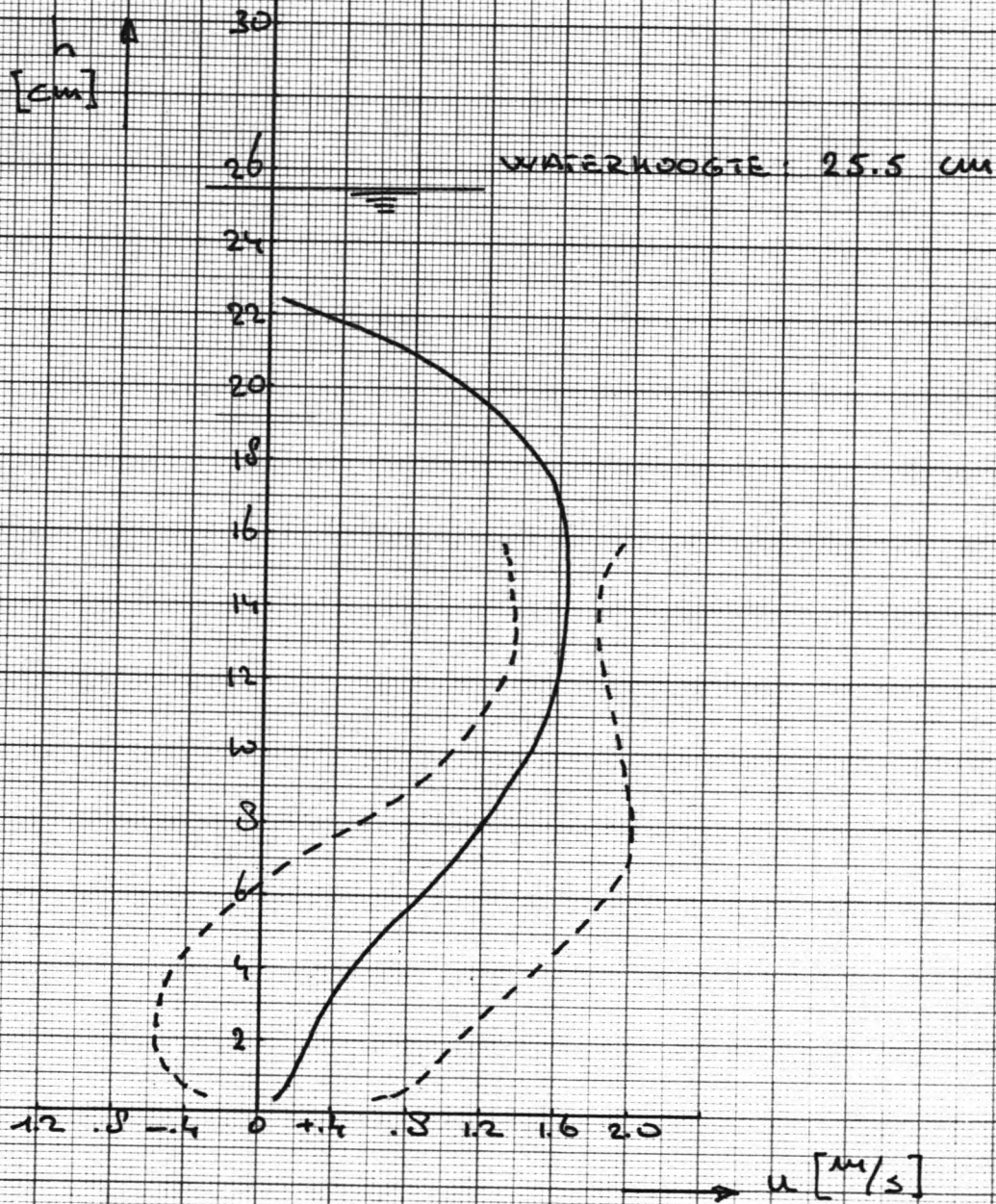


RUM XI

PLAATS T.O.V. SPRONG: 24.3 CM

$D_{50} = 0.03$
 $h_s = 0.12$

FIG. S51

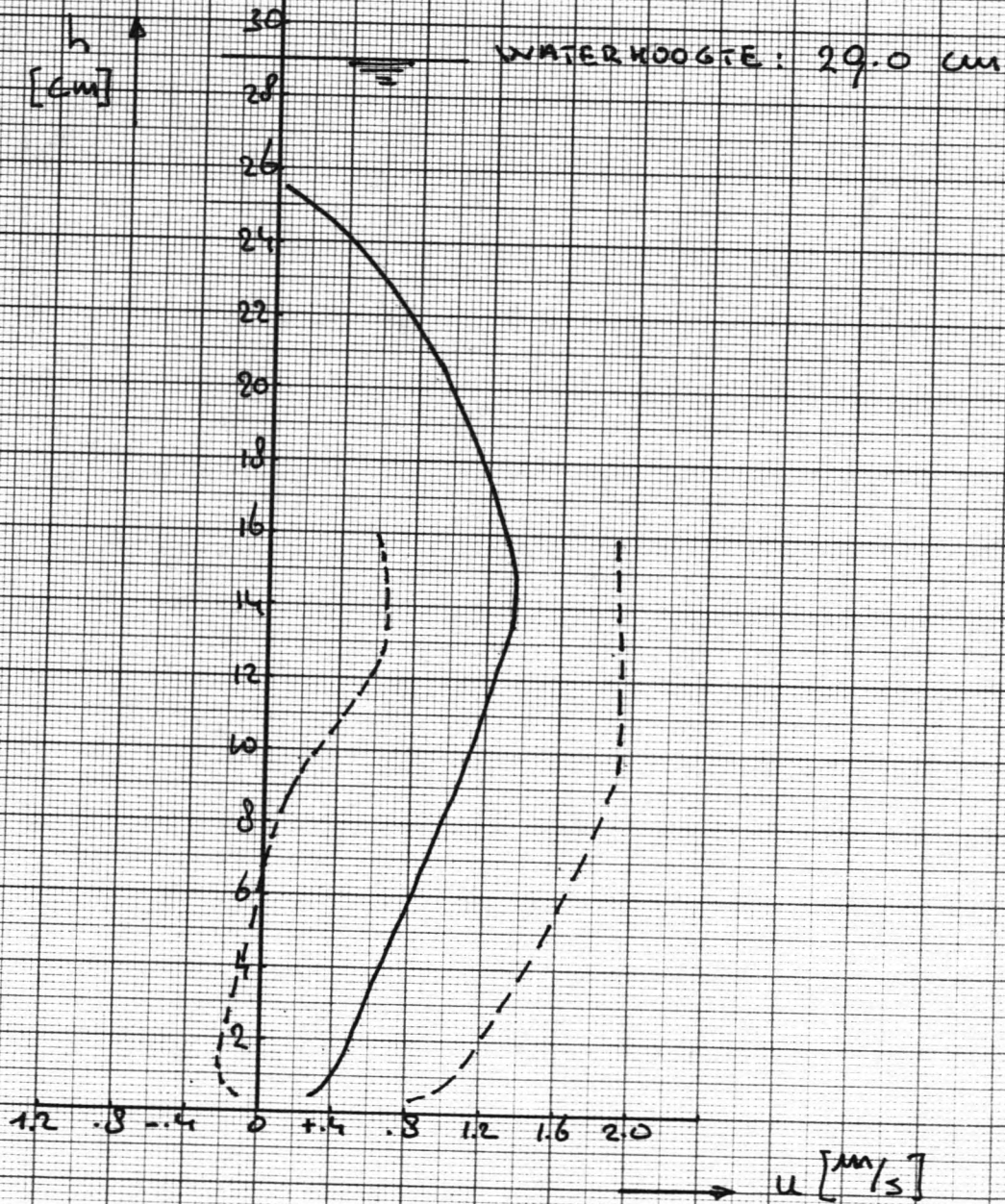


RUN XI

PLAATS T.O.V SPRONG: 50 CM

$D_{50} = 0.03$
 $h_s = 0.12$

FIG. S52



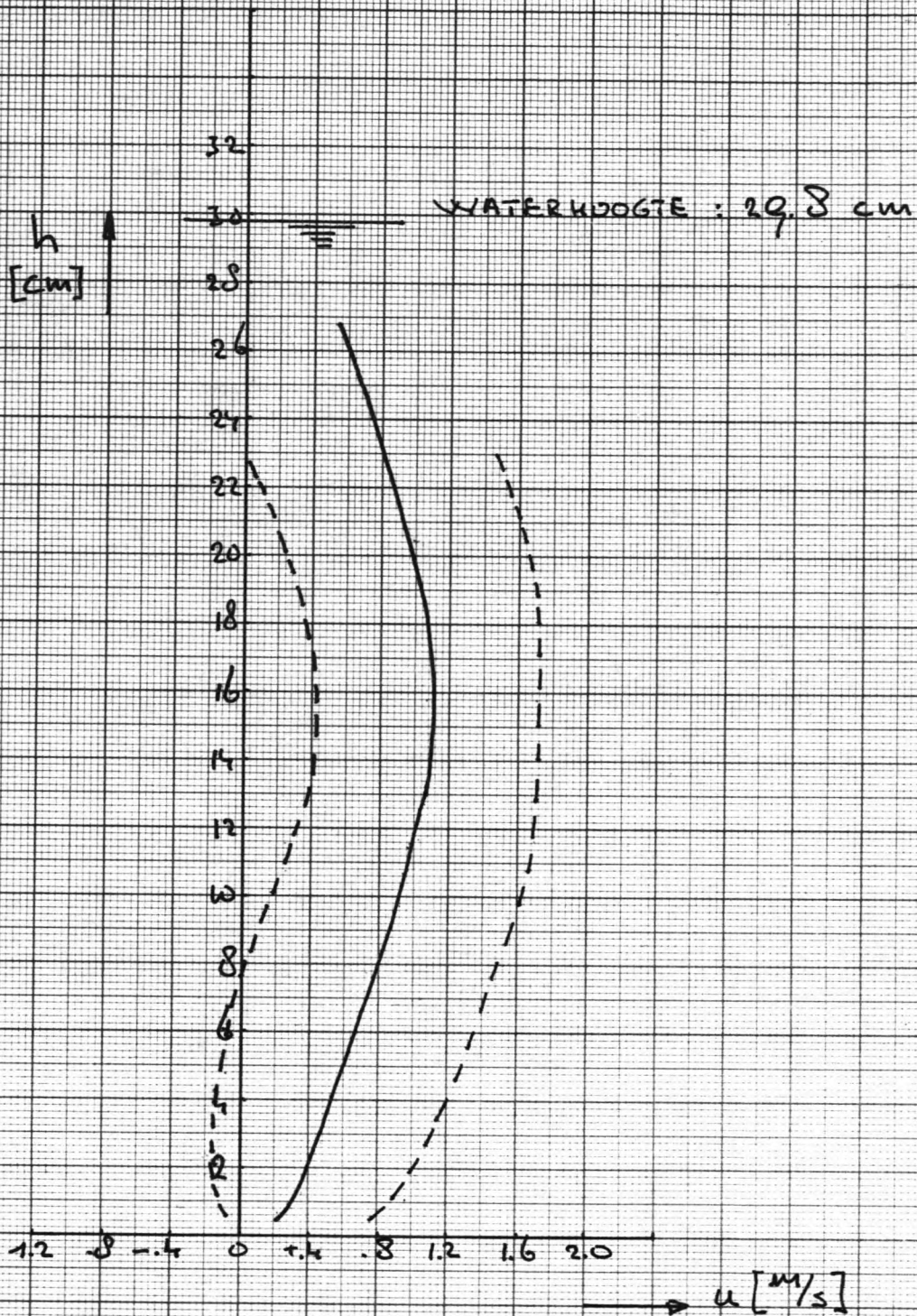
RUN XI

PLAATS T.O.V. SPRONG: 80 cm

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S53

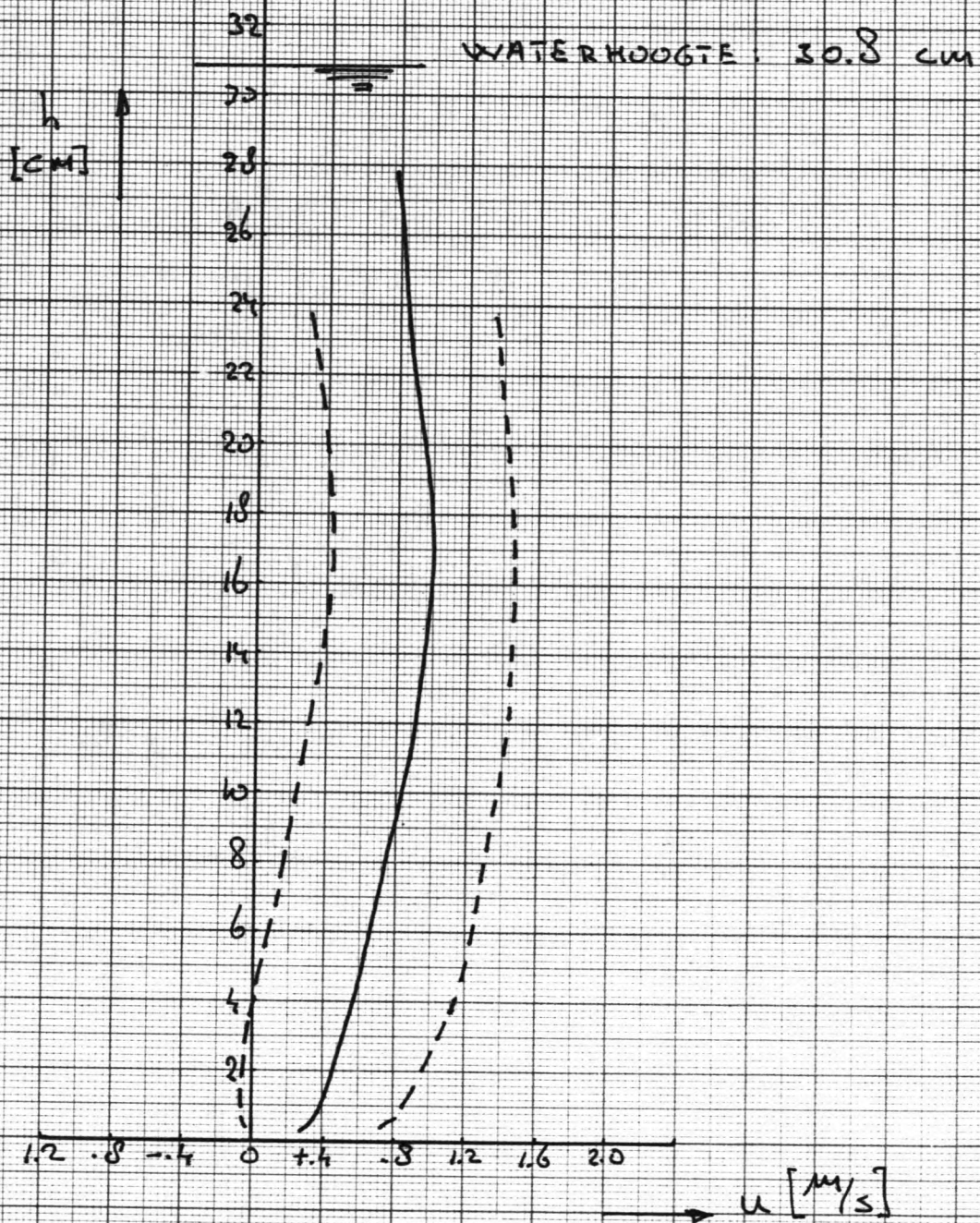


RUN XI

PLAATS T.O.V. SPRONG: 110 CM

$D_{50} = 0.03$
 $h_s = 0.12$

FIG. S54



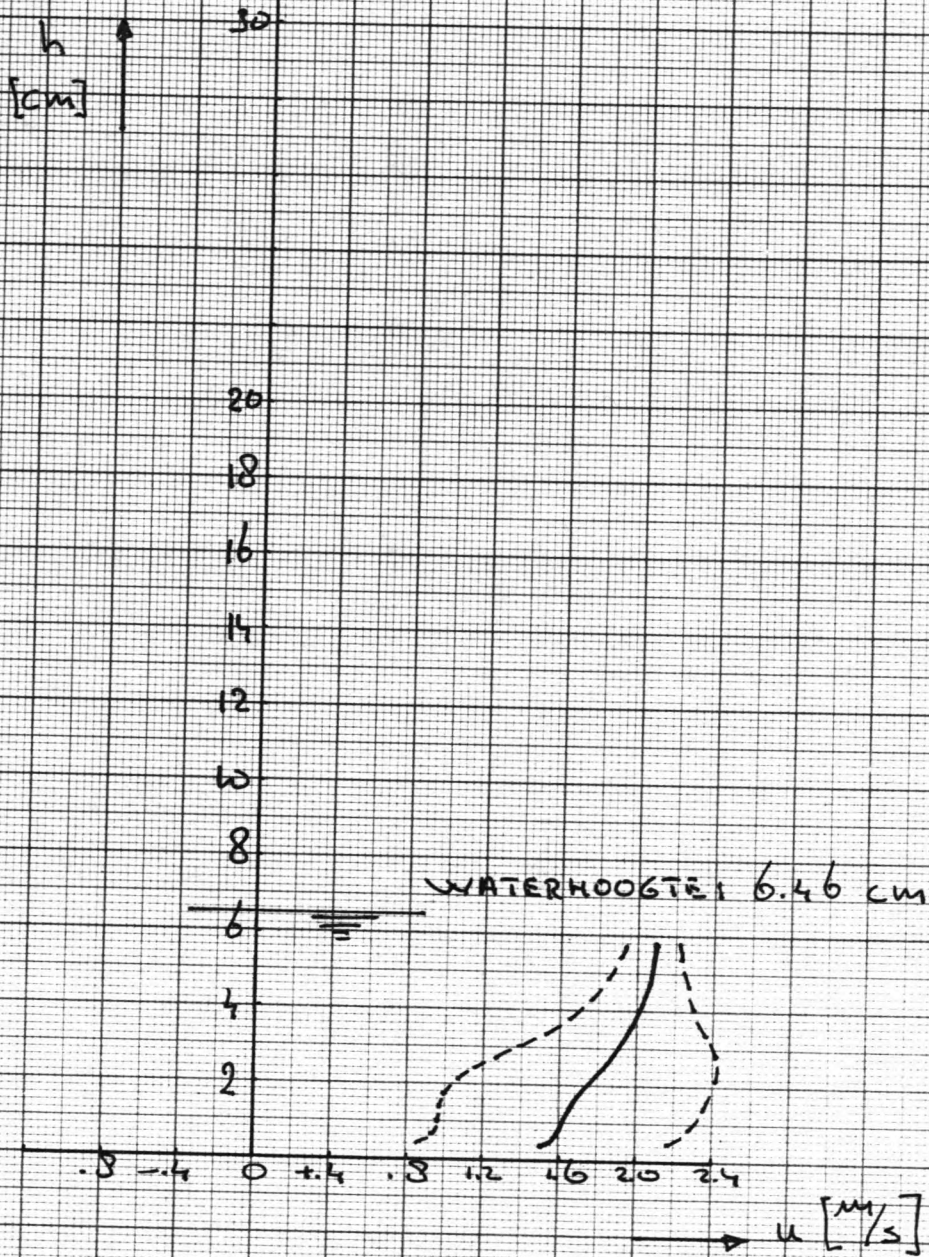
RUN XI

PLAATS T.O.V. SPRONG: 150 CM

$D_{50} = 0.03$

$h_s = 0.12$

FIG. S55



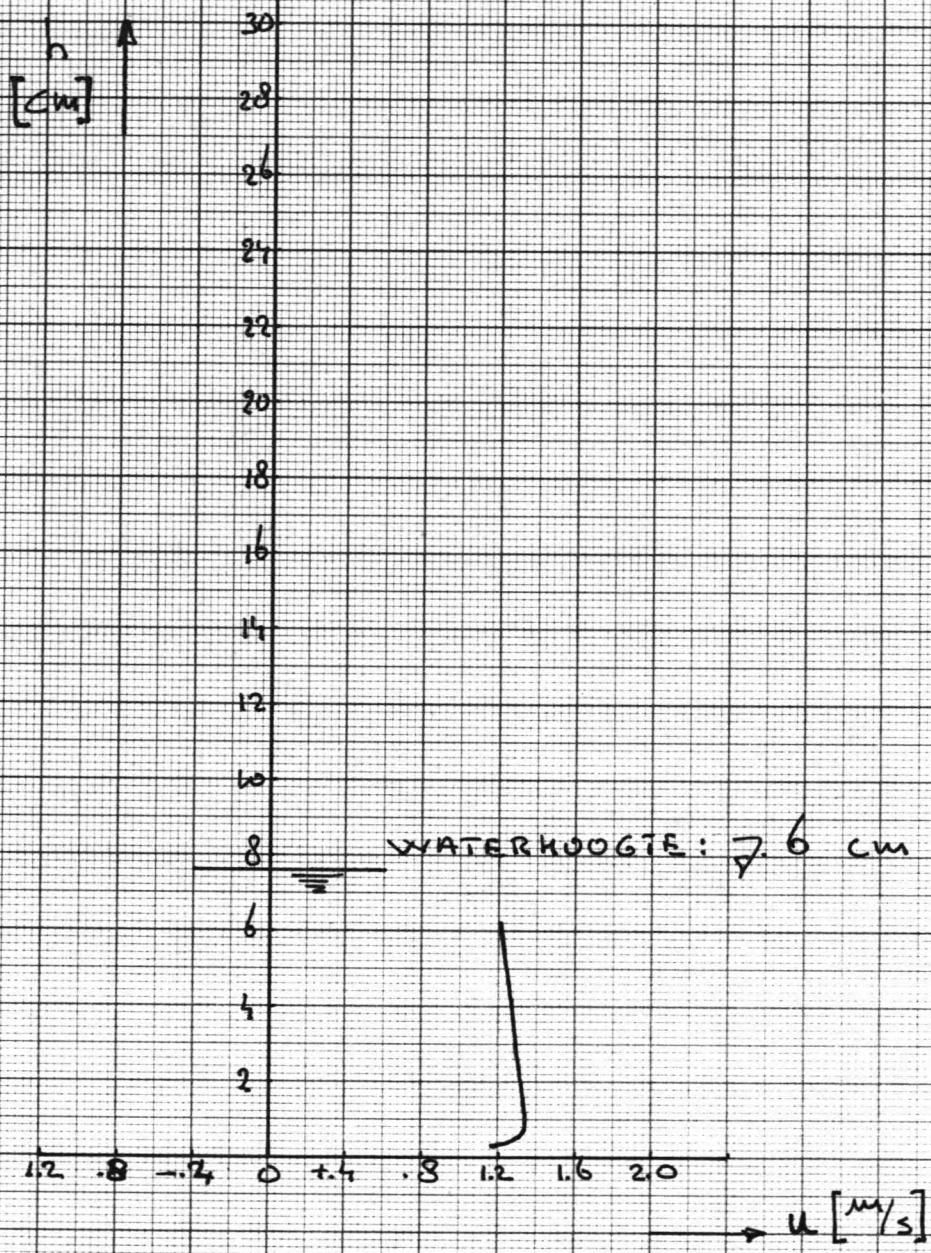
RUN XII

PLAATS T.O.V. SPRONG: 37 cm

$$D_{50} = 0.03$$

$$h_s = 0.12$$

Fig. S56

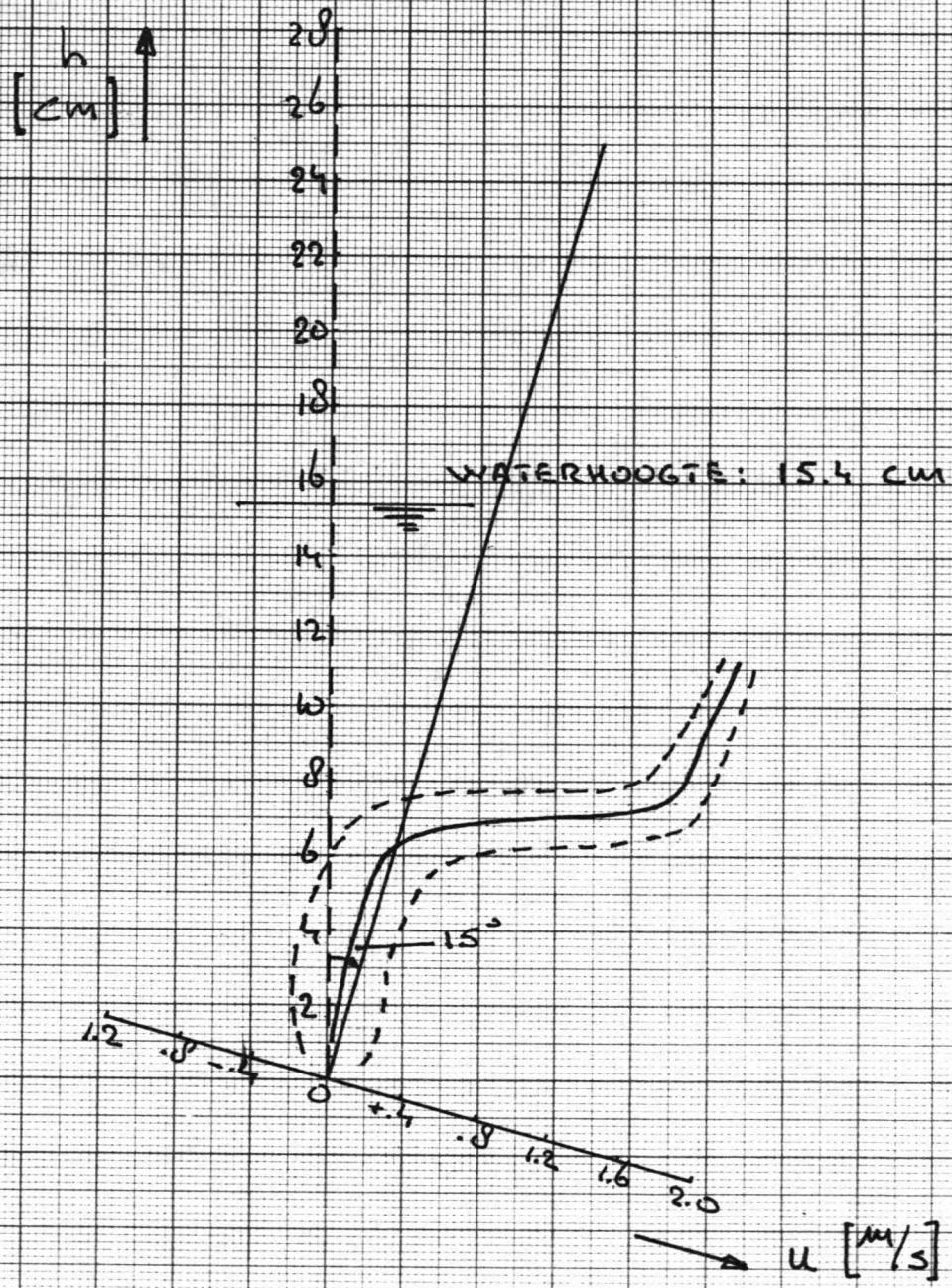


RUN XIII

PLAATS T.O.V. SPRONG: 0 cm

$D_{50} = 0.02$
 $h_s = 0.12$

FIG. S57



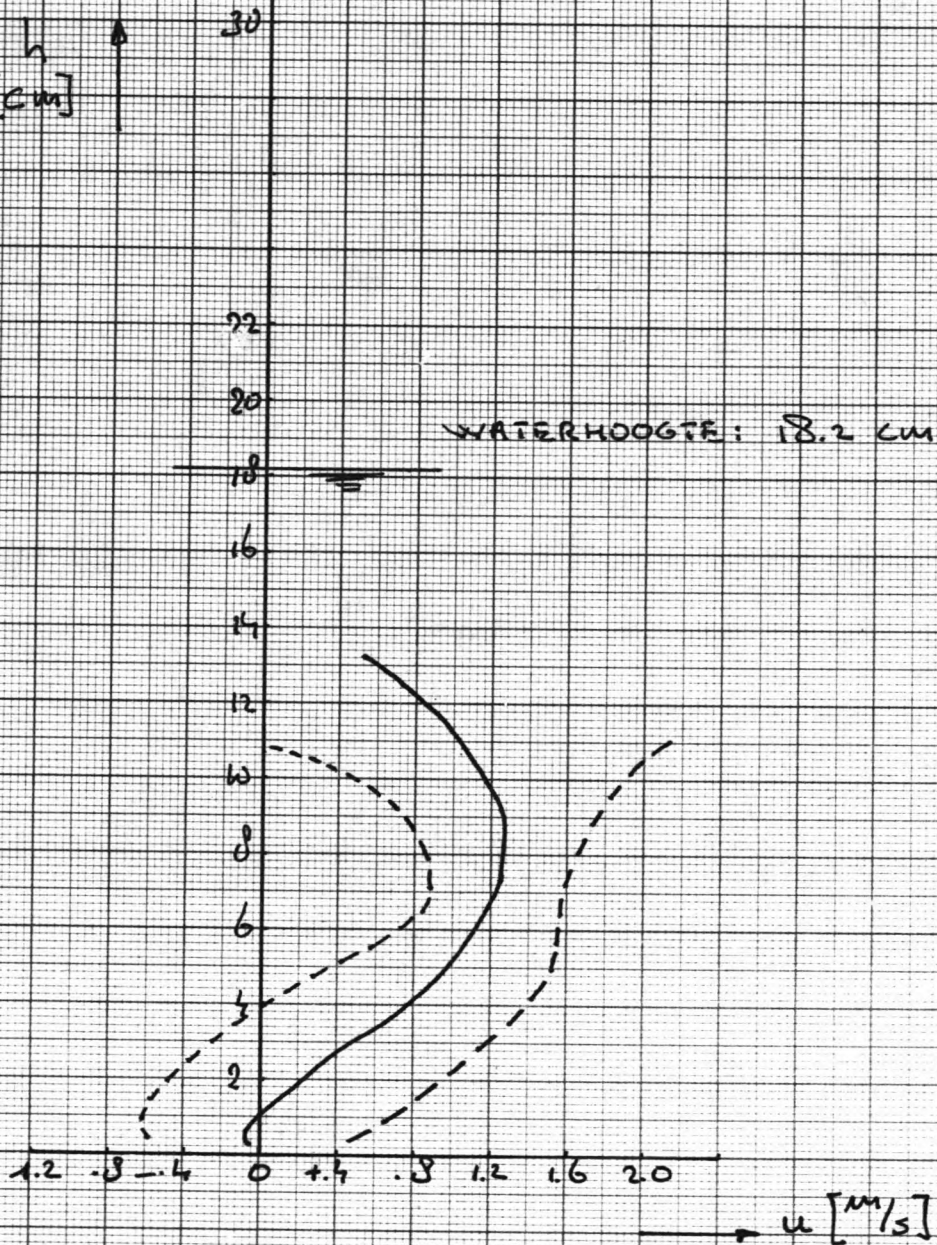
RUN XIII

PLAATS T.O.V. SPRONG: 12.2 CM

$D_{50} = 0.02$
 $h_s = 0.12$

Fig. S58

h
[cm]

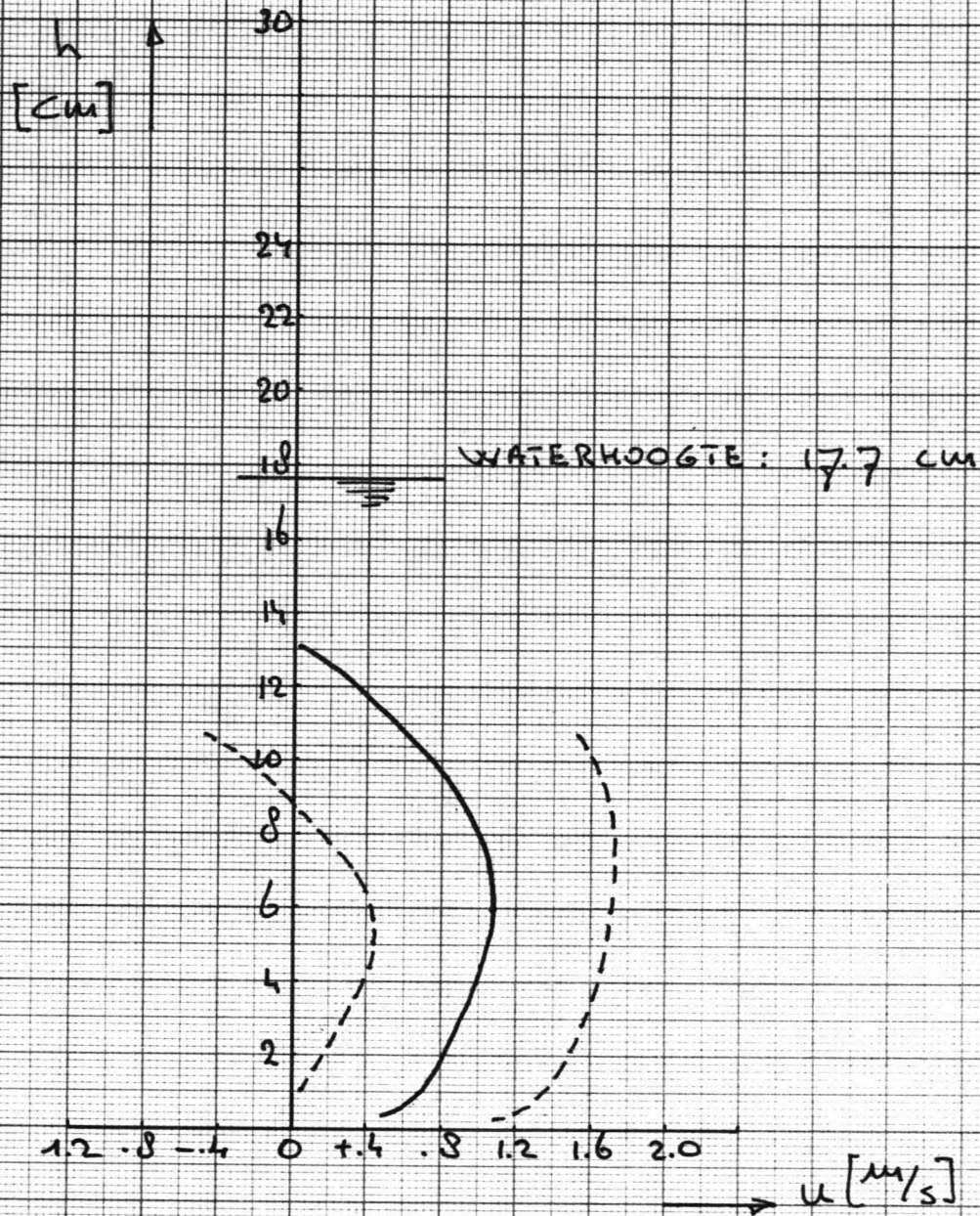


RUN XIII

PLAATS T.O.V. SPRONG: 34 CM

$D_{50} = 0.02$
 $h_s = 0.12$

Fig. S59



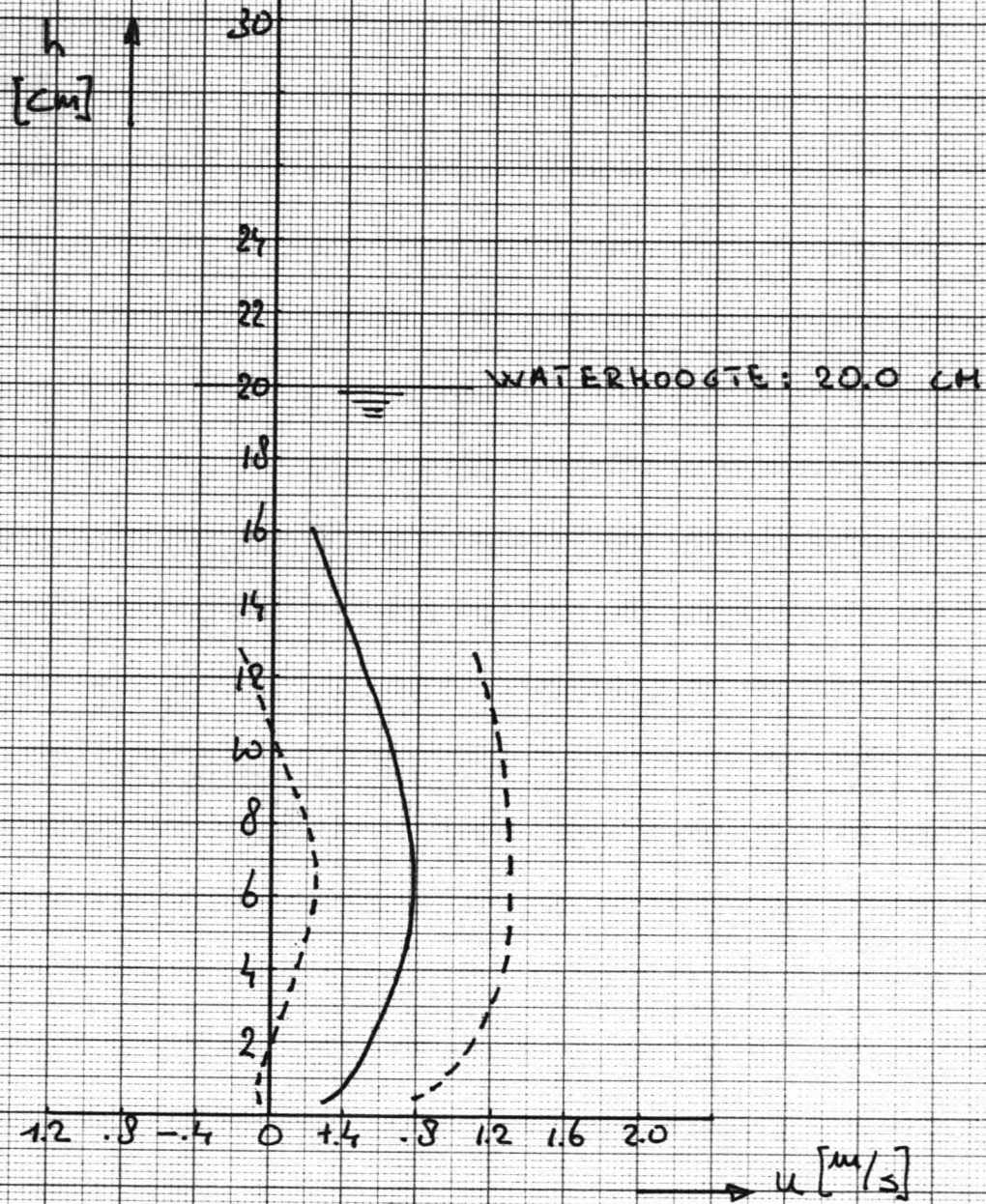
RUN XIII

PLAATS T.O.V. SPRONG: 50 CM

$$D_{50} = 0.02$$

$$h_s = 0.12$$

FIG. S60



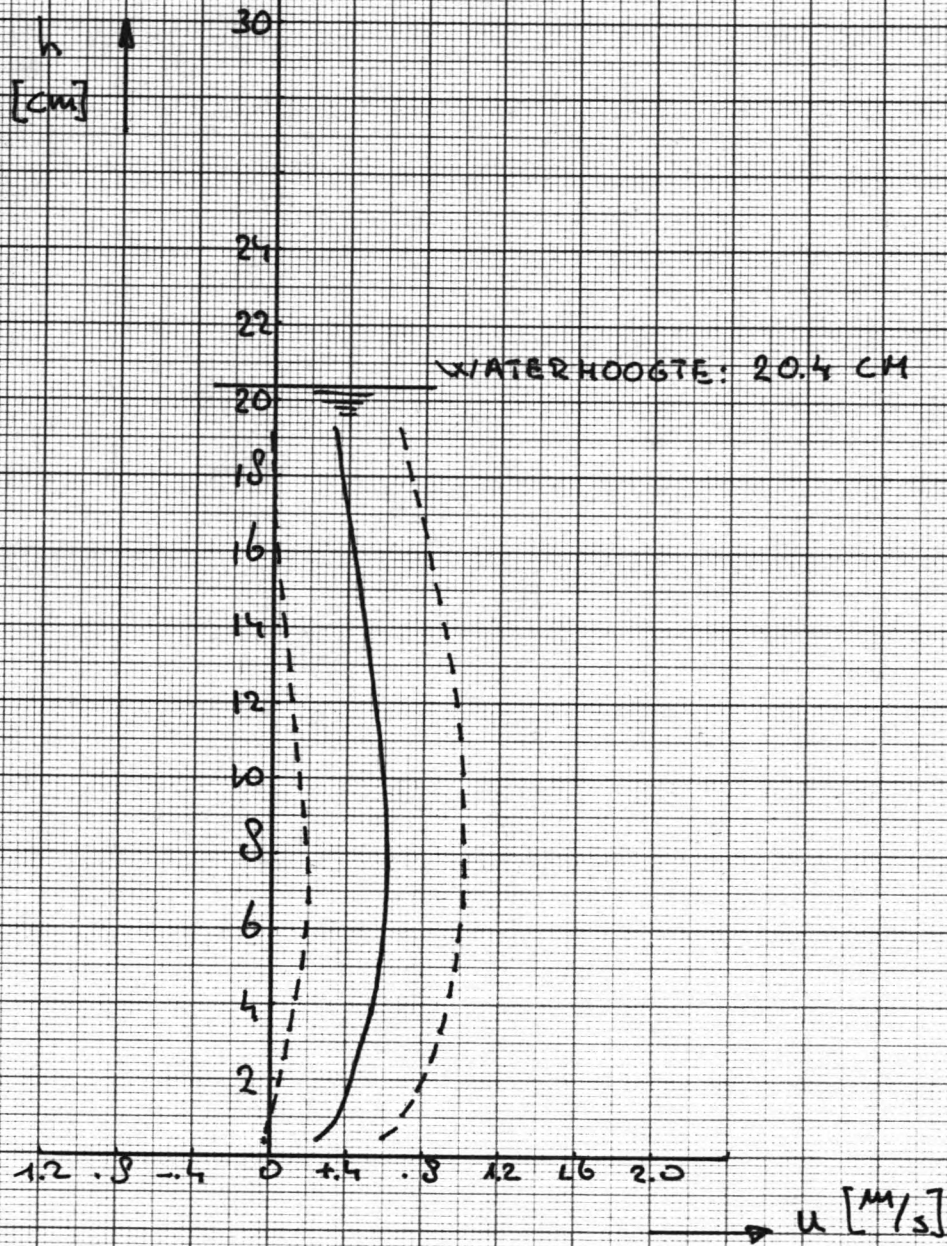
RUN XIII

PLAATS T.O.V. SPRONG: 80 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. 561



RUN XIII

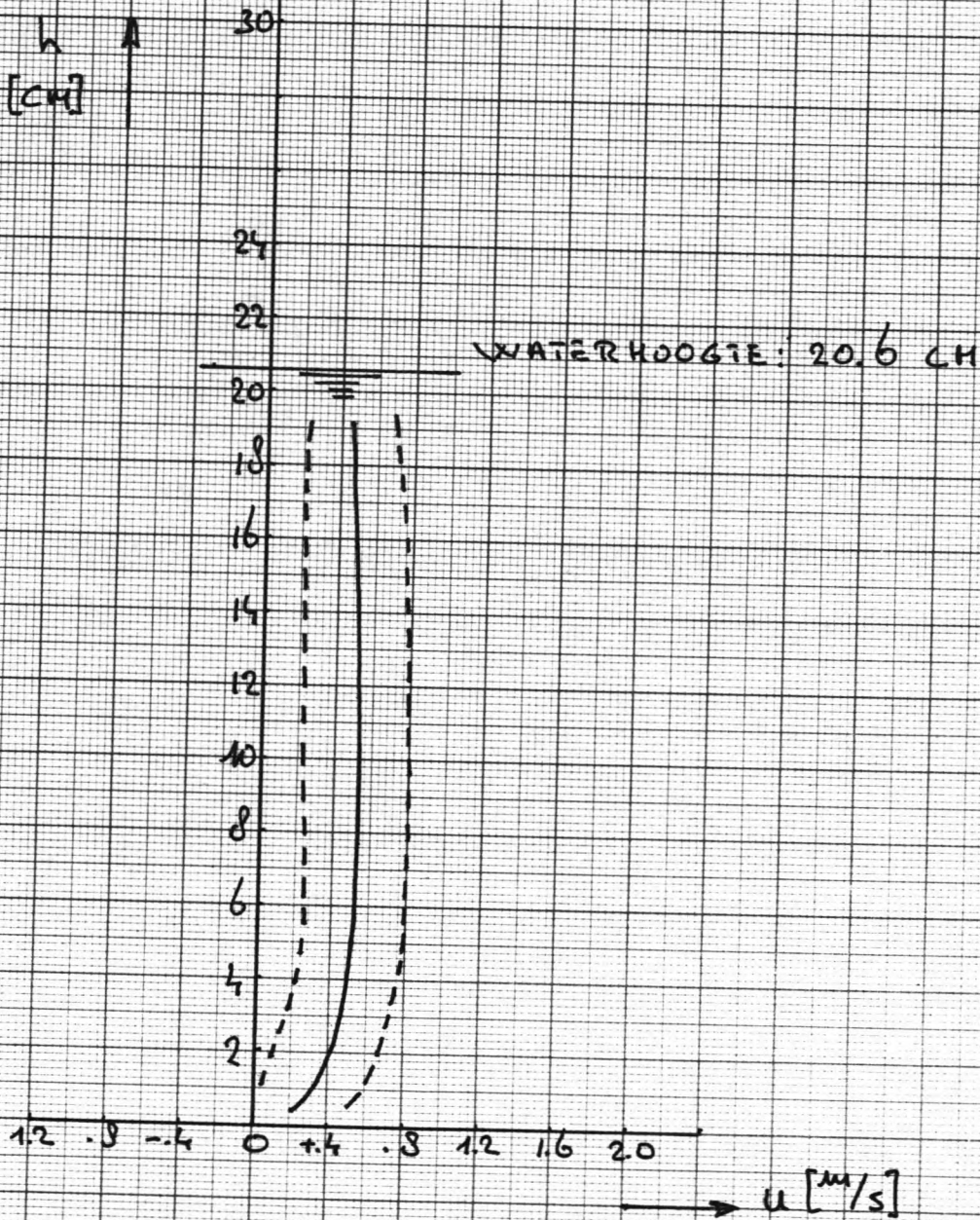
PLAATS T.O.V. SPRONG: 110 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. S62

h
[cm]



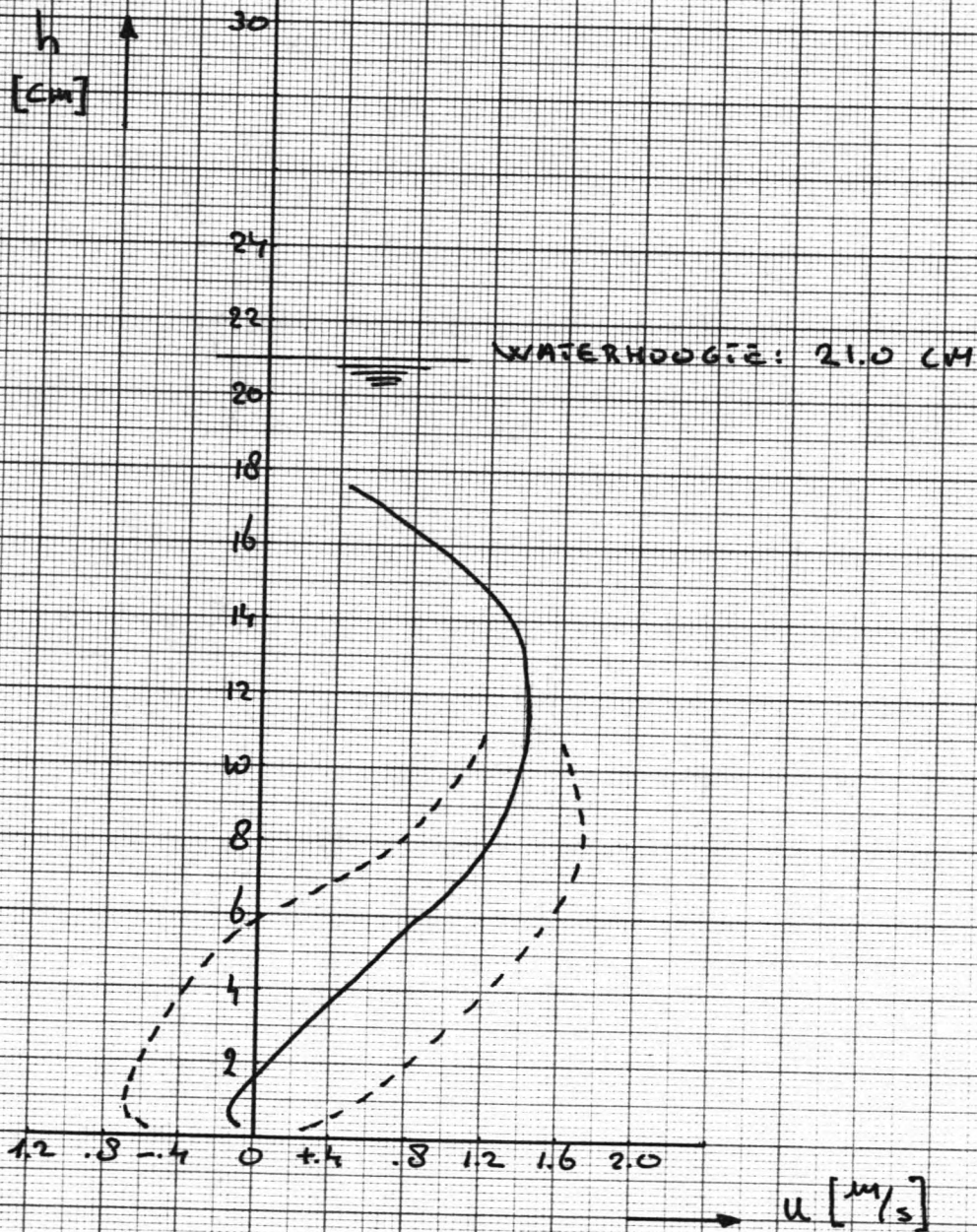
RUN XIII

PLAATS T.O.V. SPRONG: 150 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. S63



RUN XIV

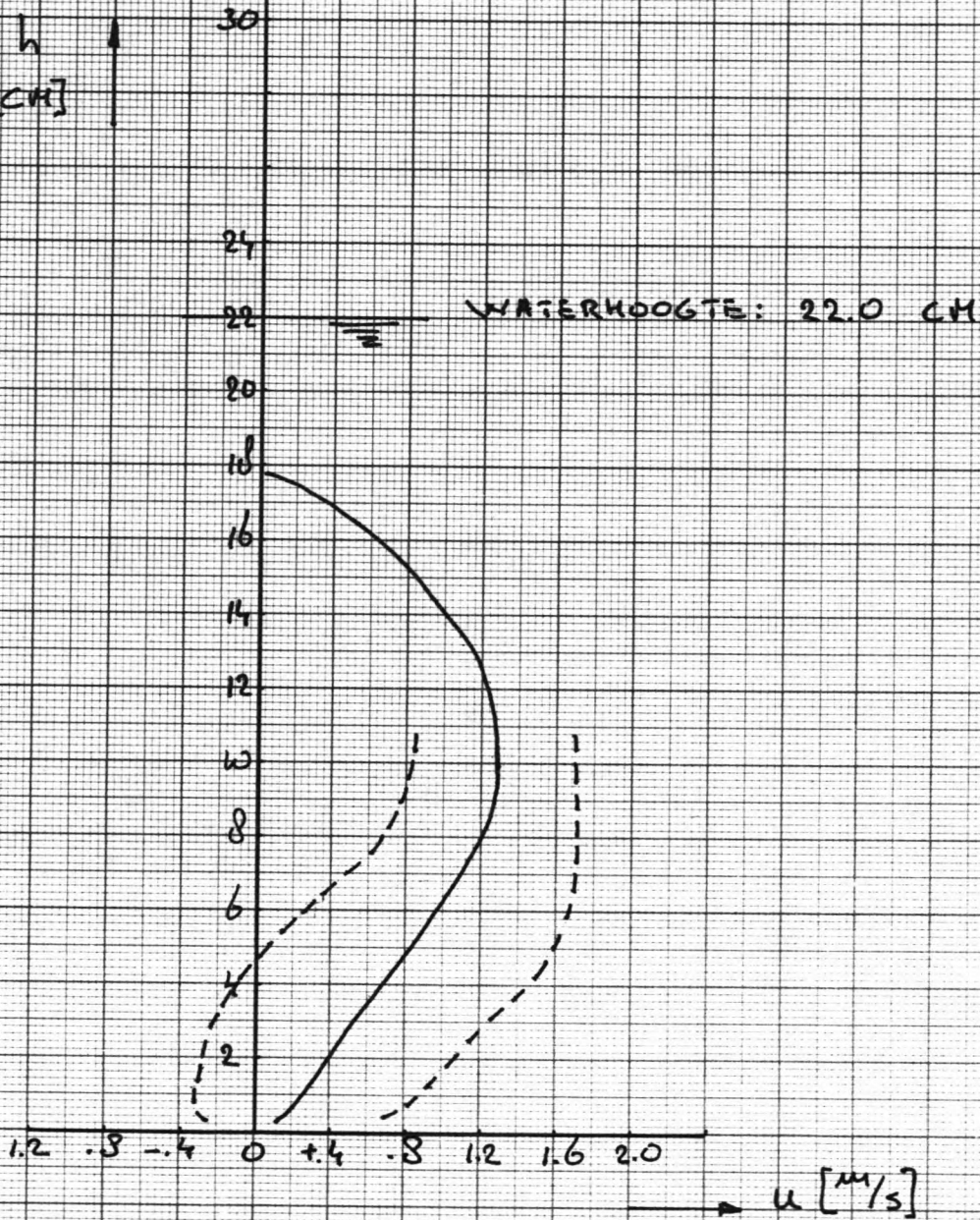
PLAATS T.O.V. SPRONG: 40 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. S64

h
[cm]



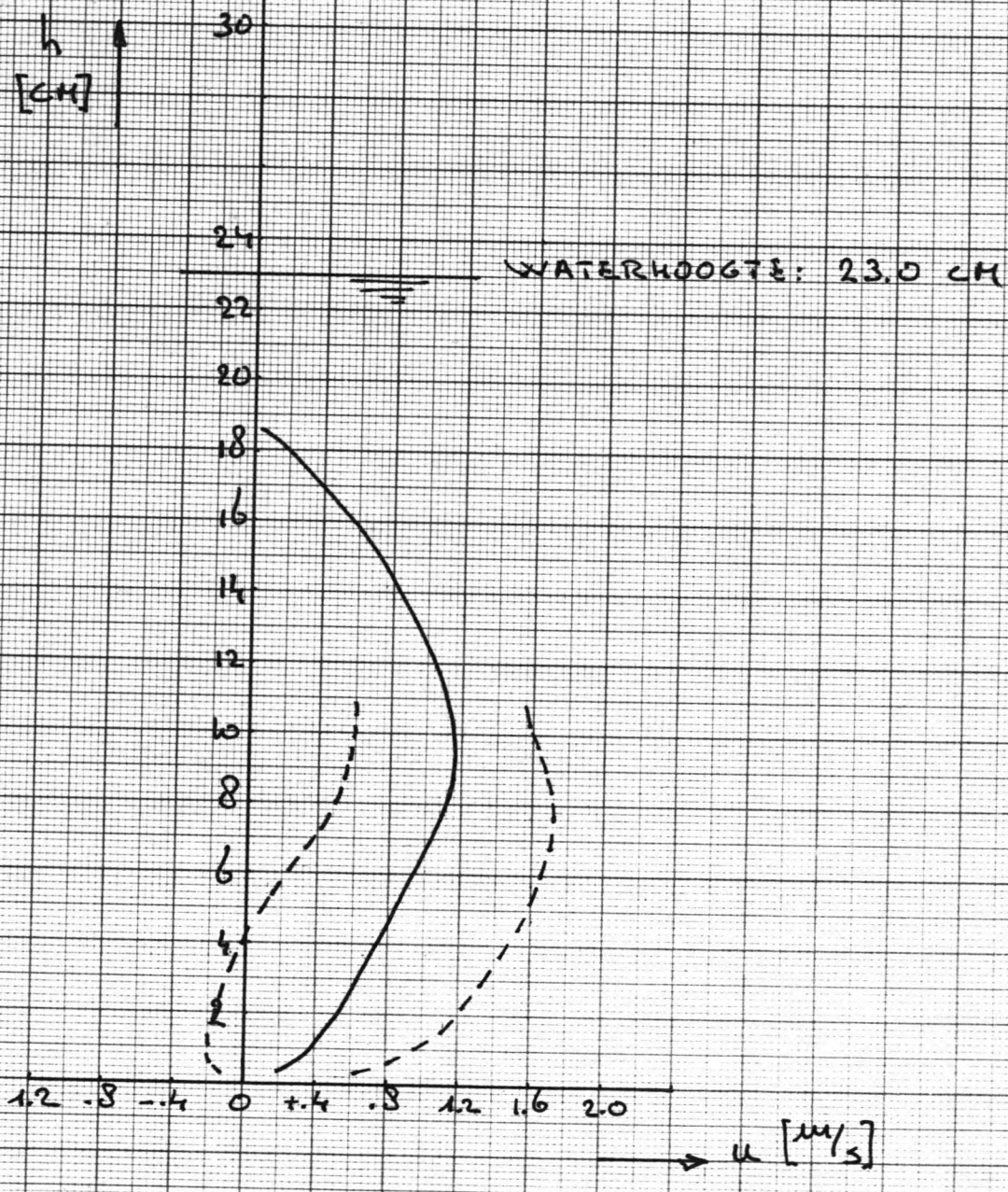
RUN XIV

PLAATS T.O.V. SPRONG: 50 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. S65

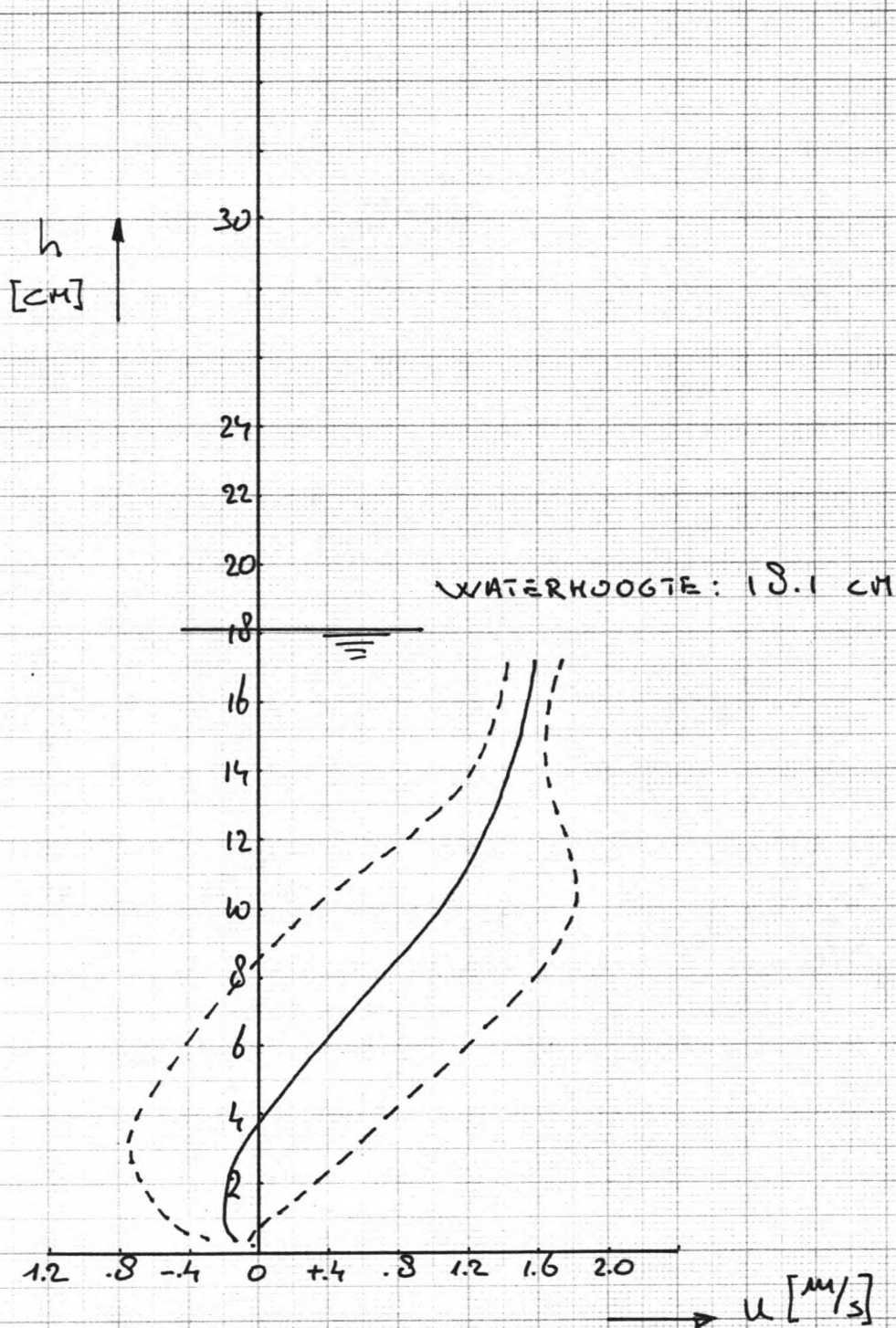


RUN XIV

PLAATS T.O.V. SPRONG: 60 CM

$D_{50} = 0.02$
 $h_s = 0.12$

FIG. 566



RUN XV

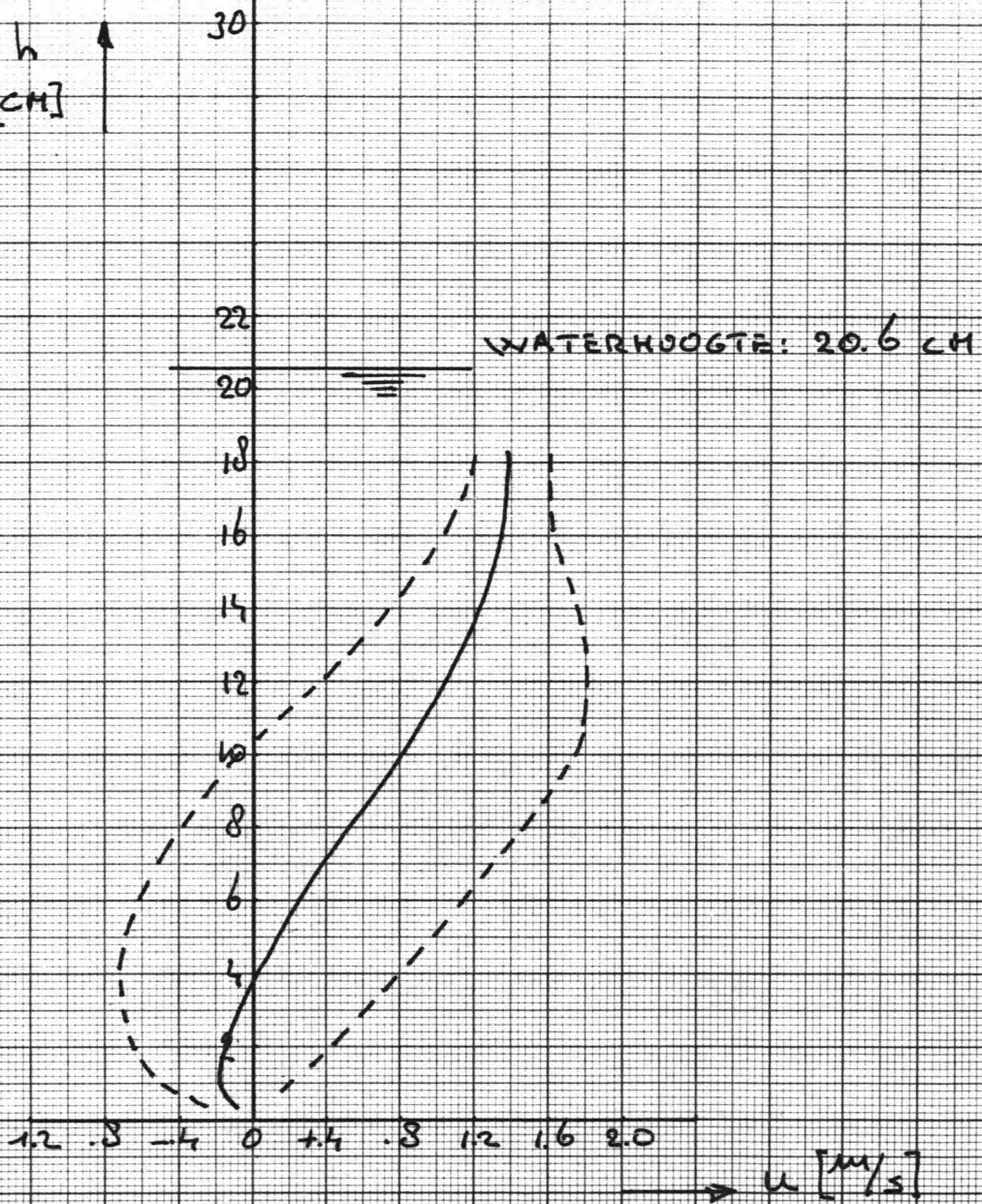
PLAATS T.O.V. SPRONG: 40 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. 567

h
[CM]

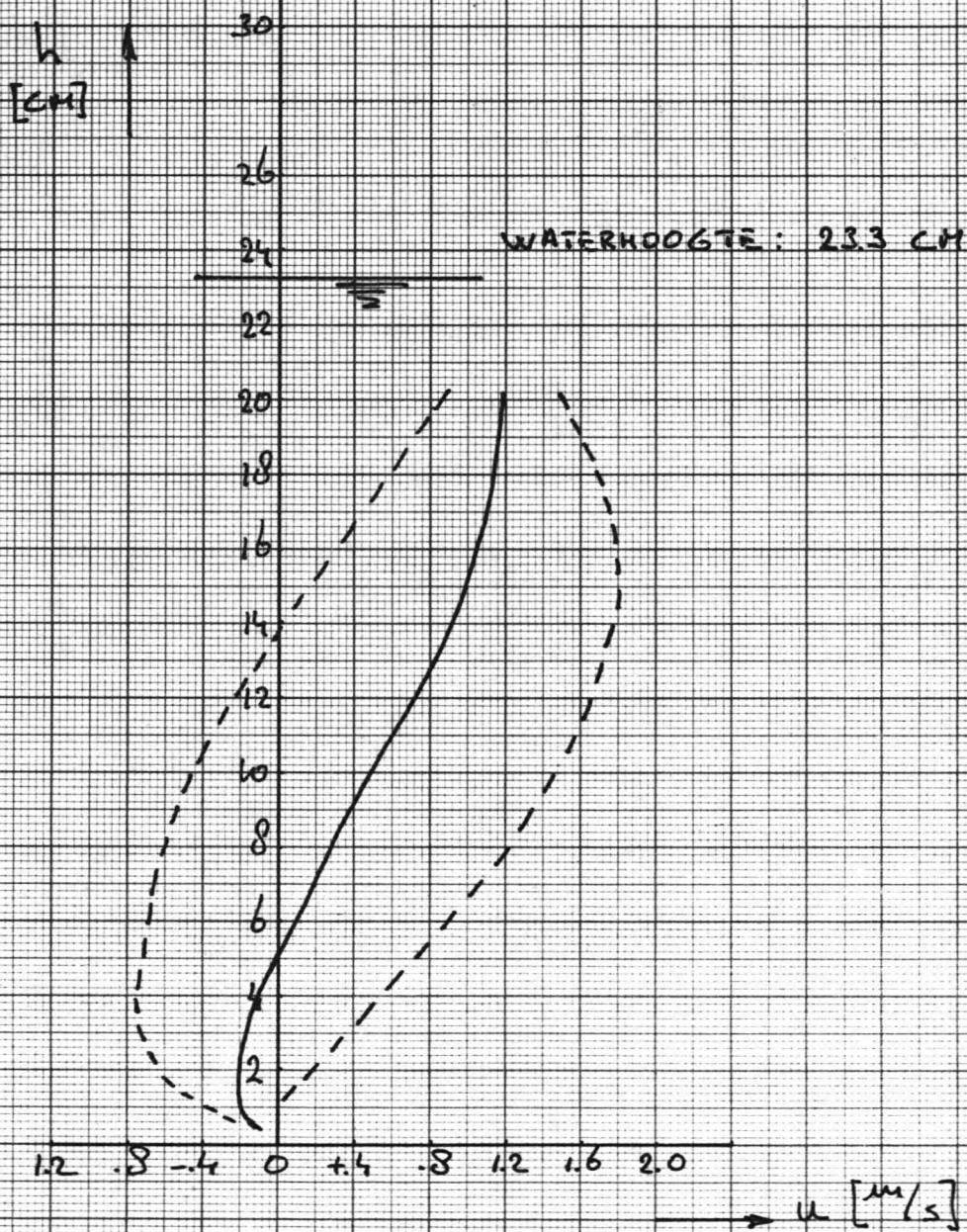


RUN XV

PLAATS T.O.V. SPRONG: 50 CM

$D_{50} = 0.02$
 $h_s = 0.12$

Fig. 568



RUN XV

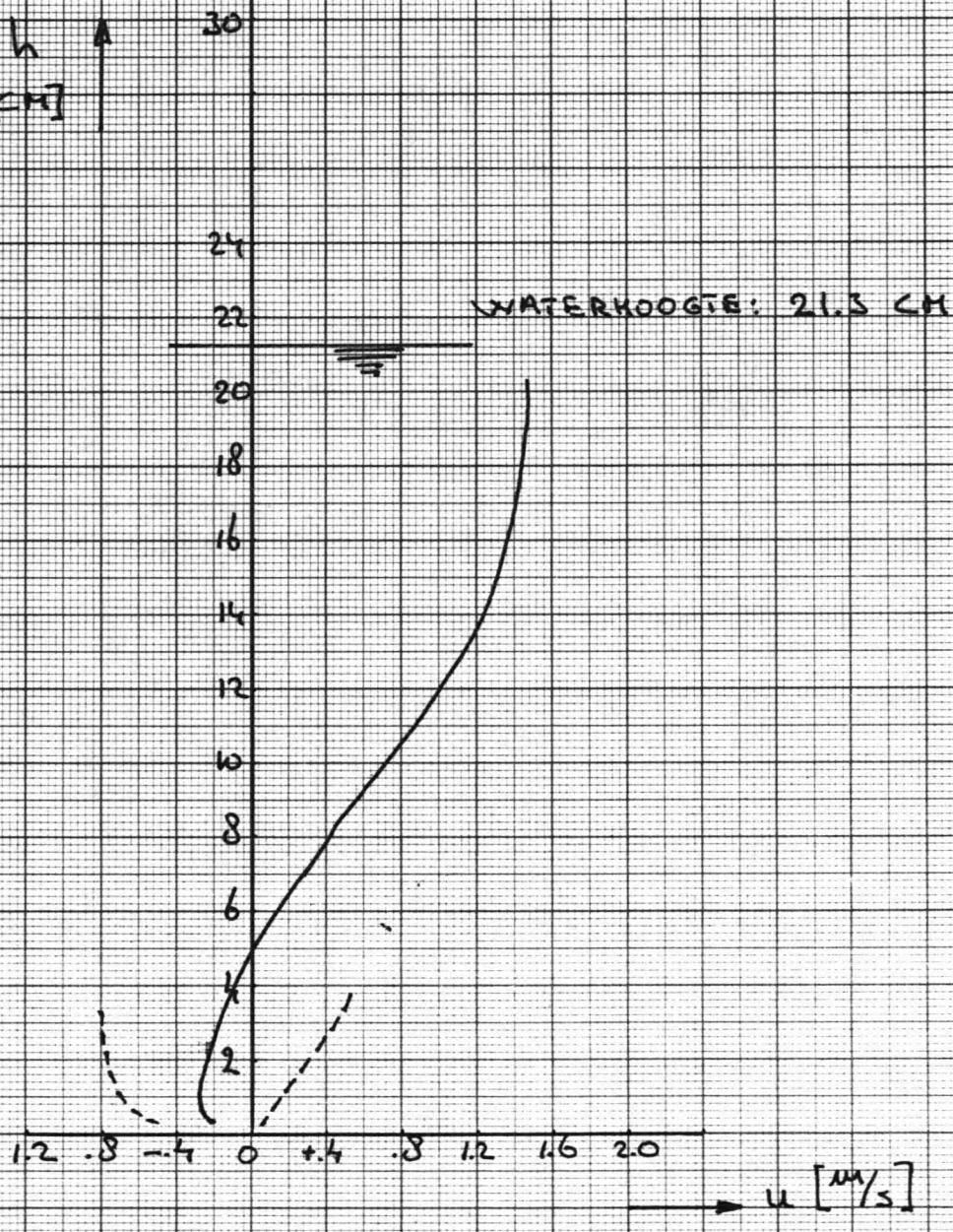
PLAATS T.O.V. SPRONG: 60 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. S69

h
[CM]

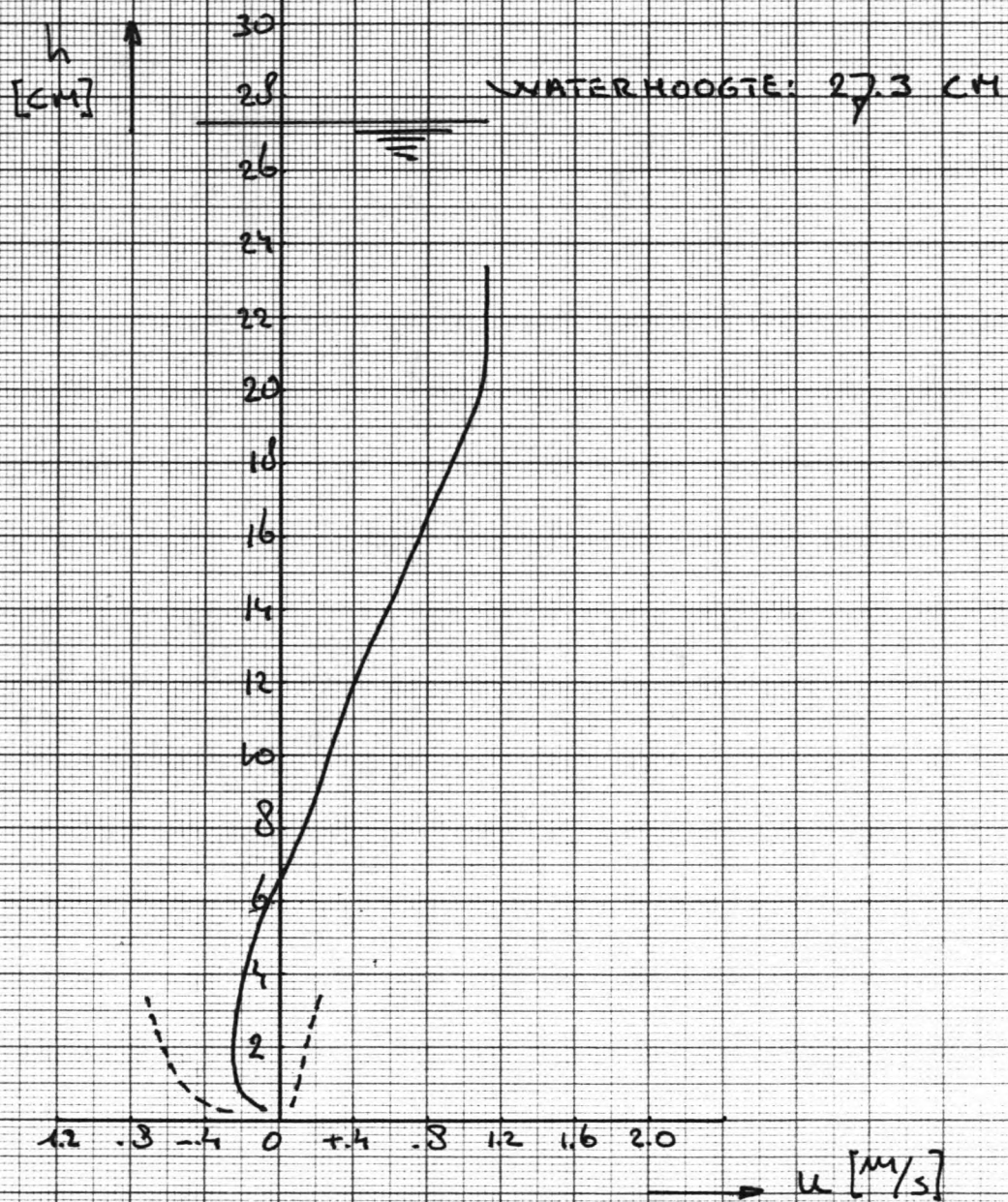


RUN XVI

PLAATS T.O.V. SPRONG: 50 CM

$D_{50} = 0.02$
 $h_s = 0.12$

FIG. S70



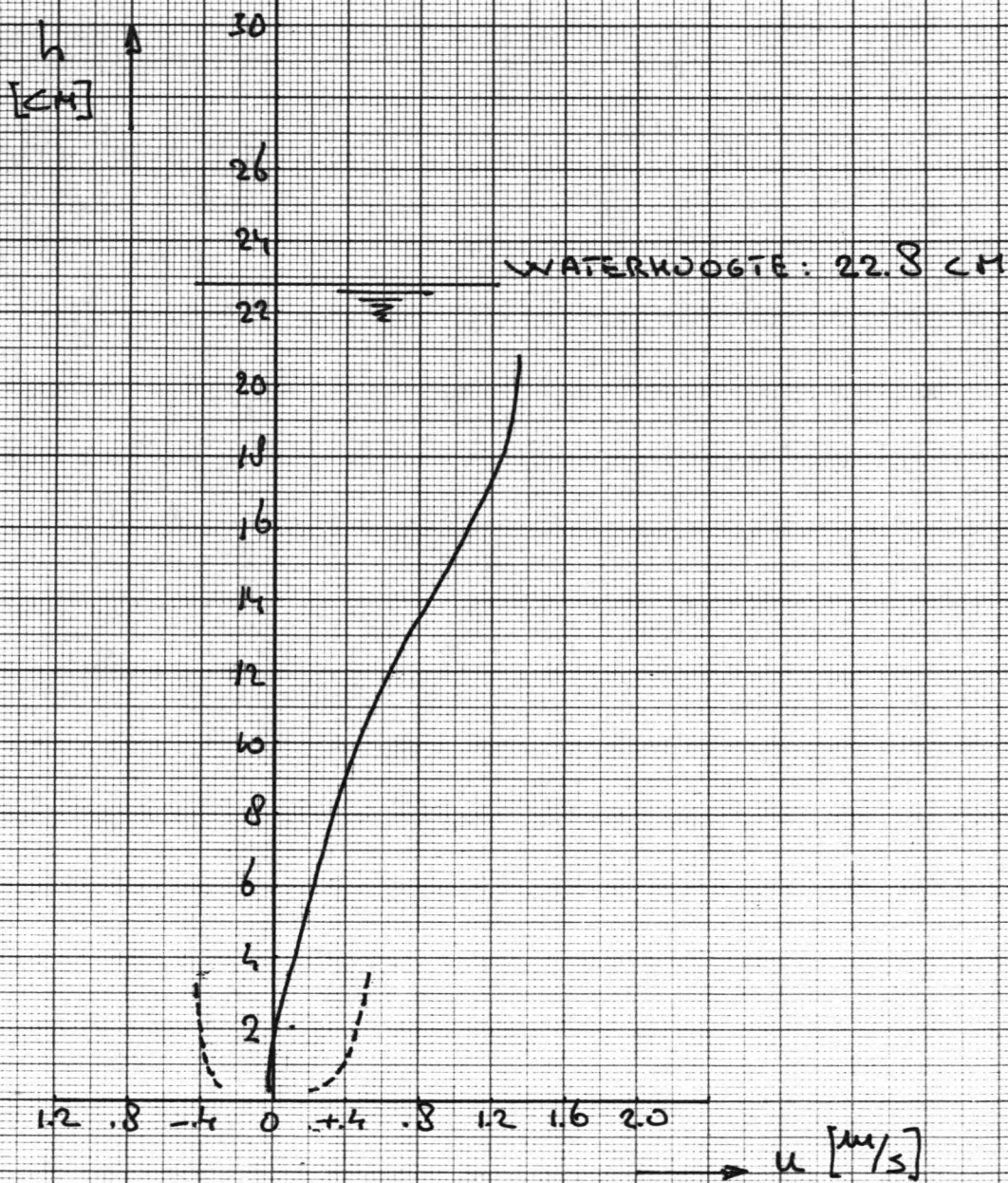
RUN XVI

PLAATS T.O.V. SPRONG: 80 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. S71

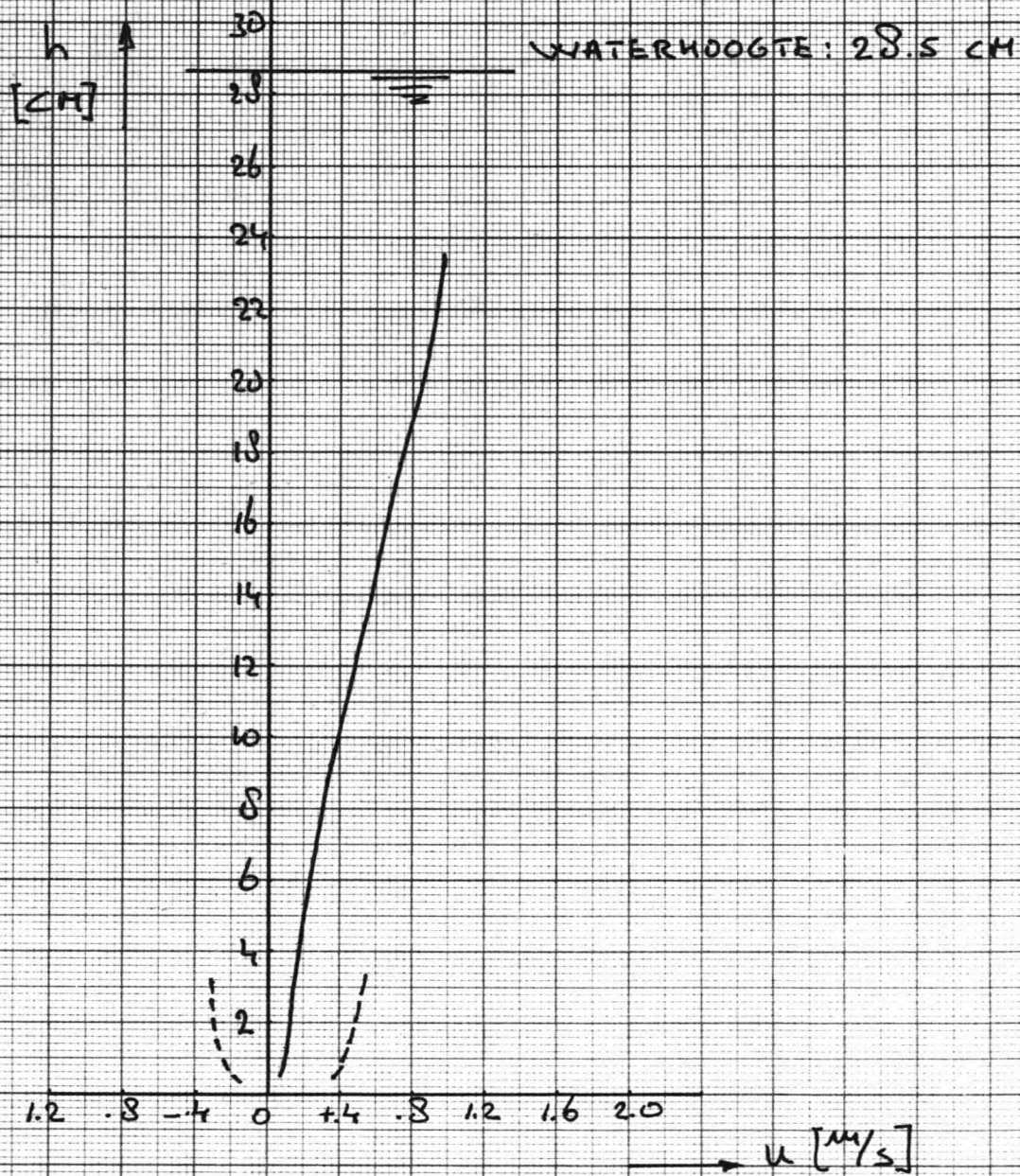


RUN XVI

PLAATS T.O.V. SPRONG: 110 CM

$D_{50} = 0.02$
 $h_s = 0.12$

Fig. S72



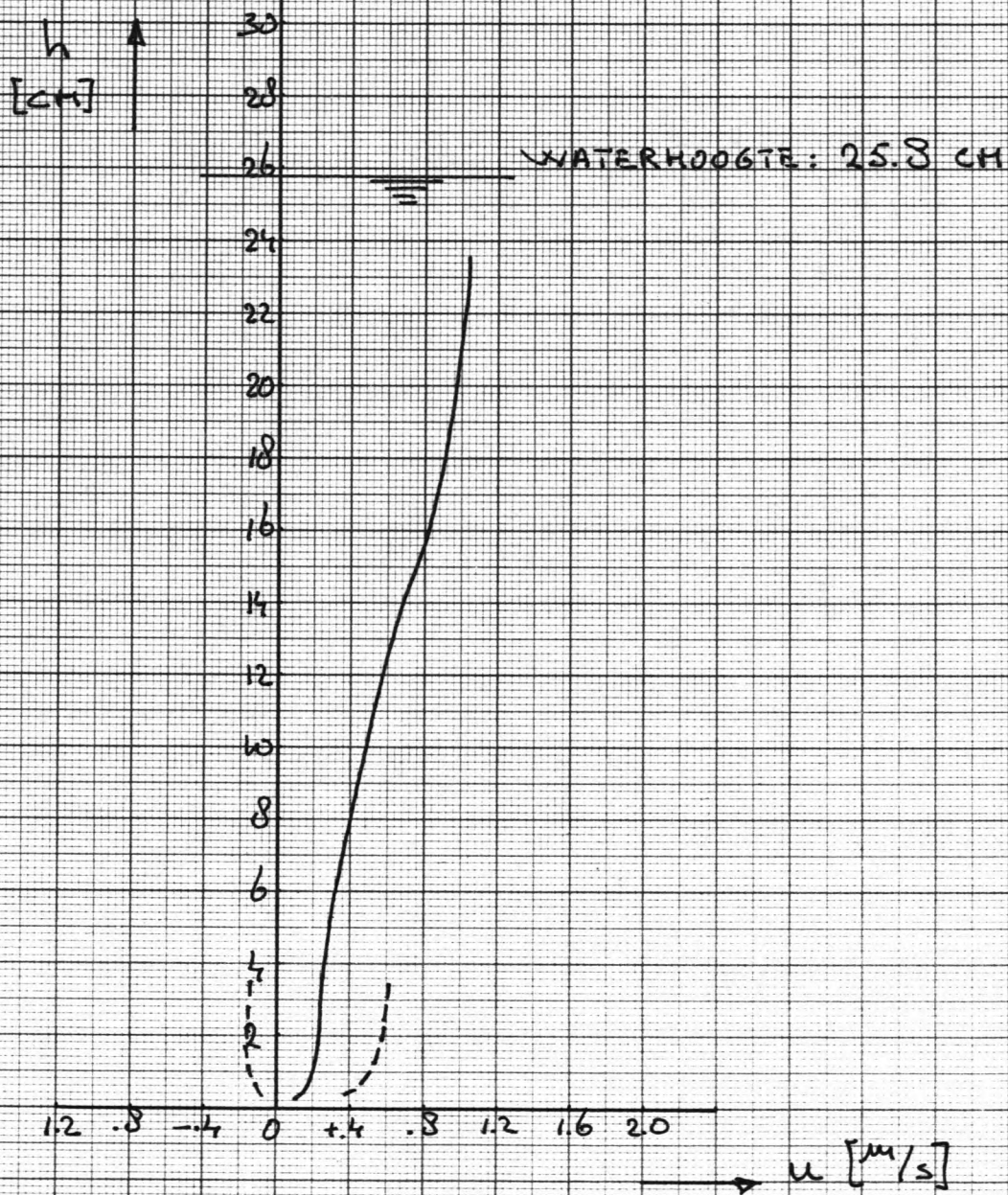
RUN XVI

PLAATS T.O.V. SPRONG: 140 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. S73



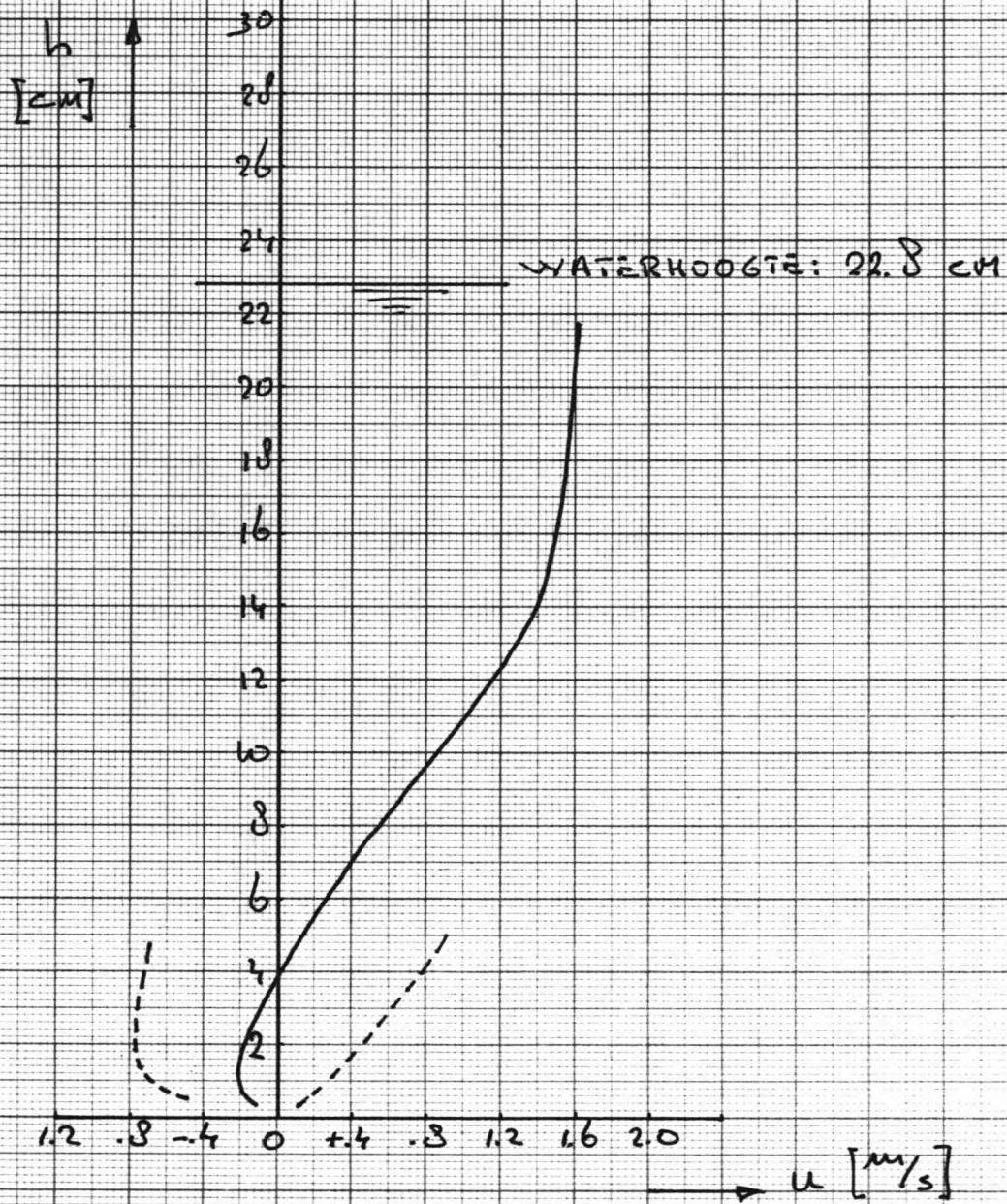
RUN XVI

PLAATS T.O.V. SPRONG: 170 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. S74



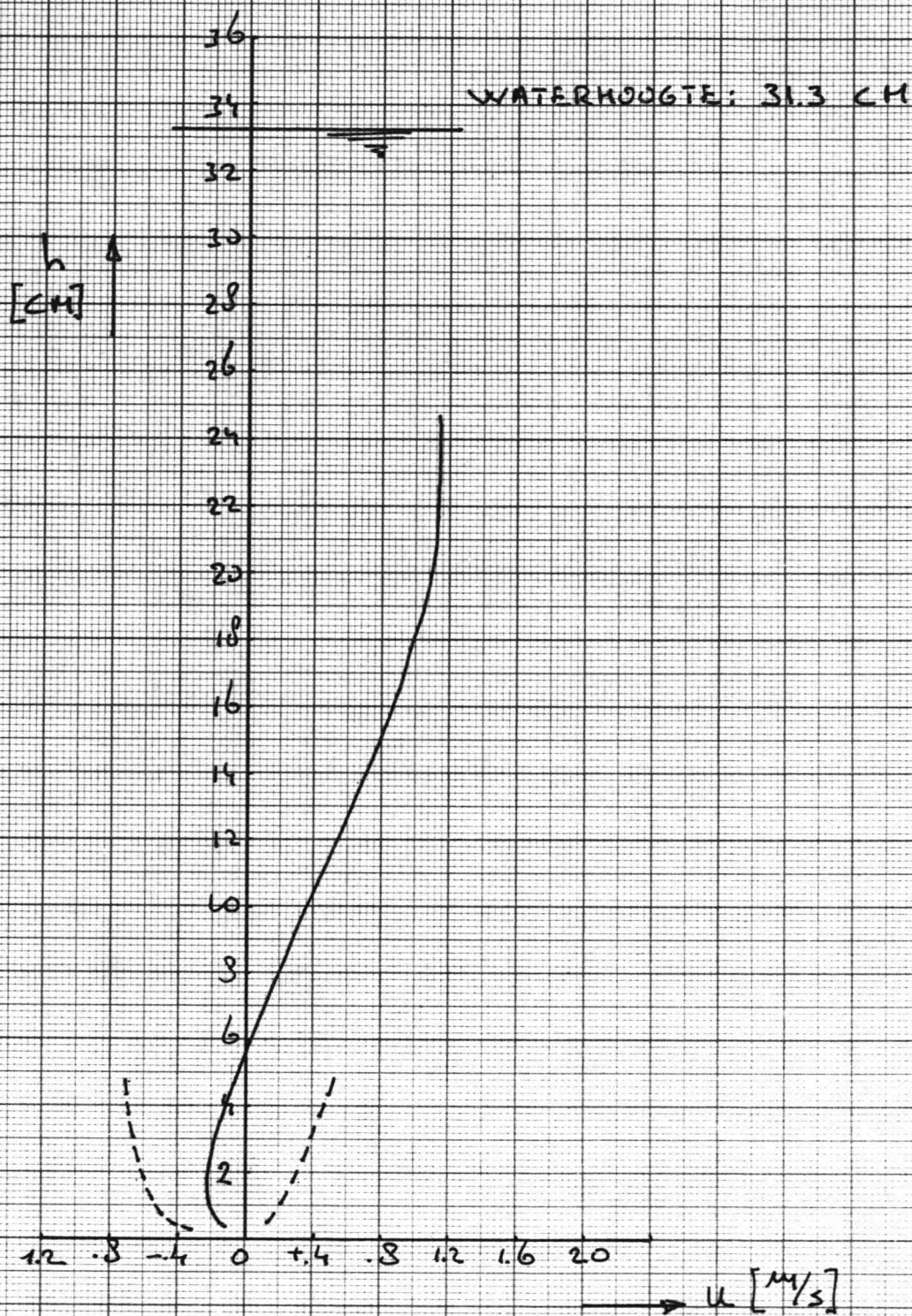
RUN XVII

PLAATS T.O.V. SPRONG: 50 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. S75



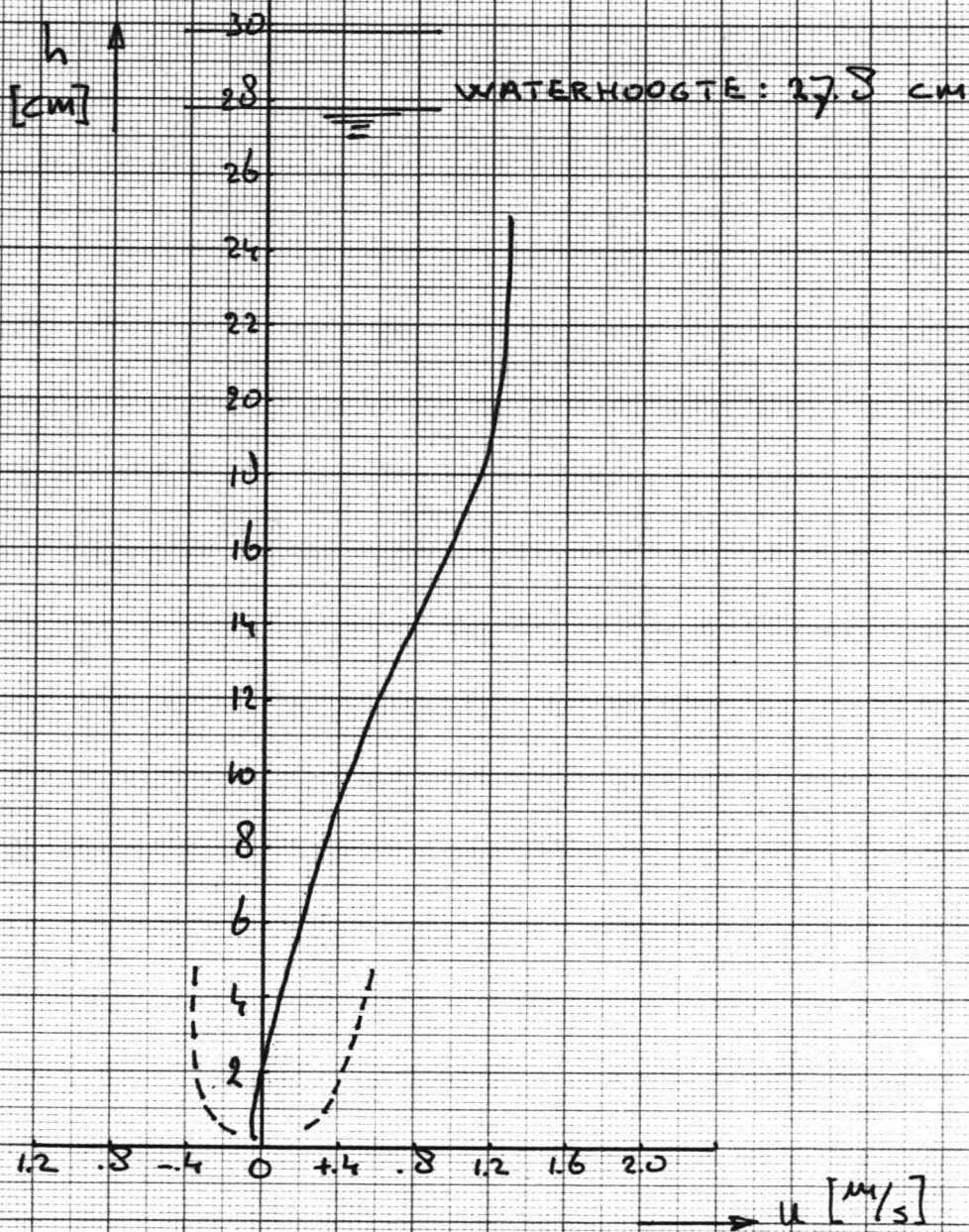
RUN XVII

PLAATS T.O.V. SPRONG: 80 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. S76



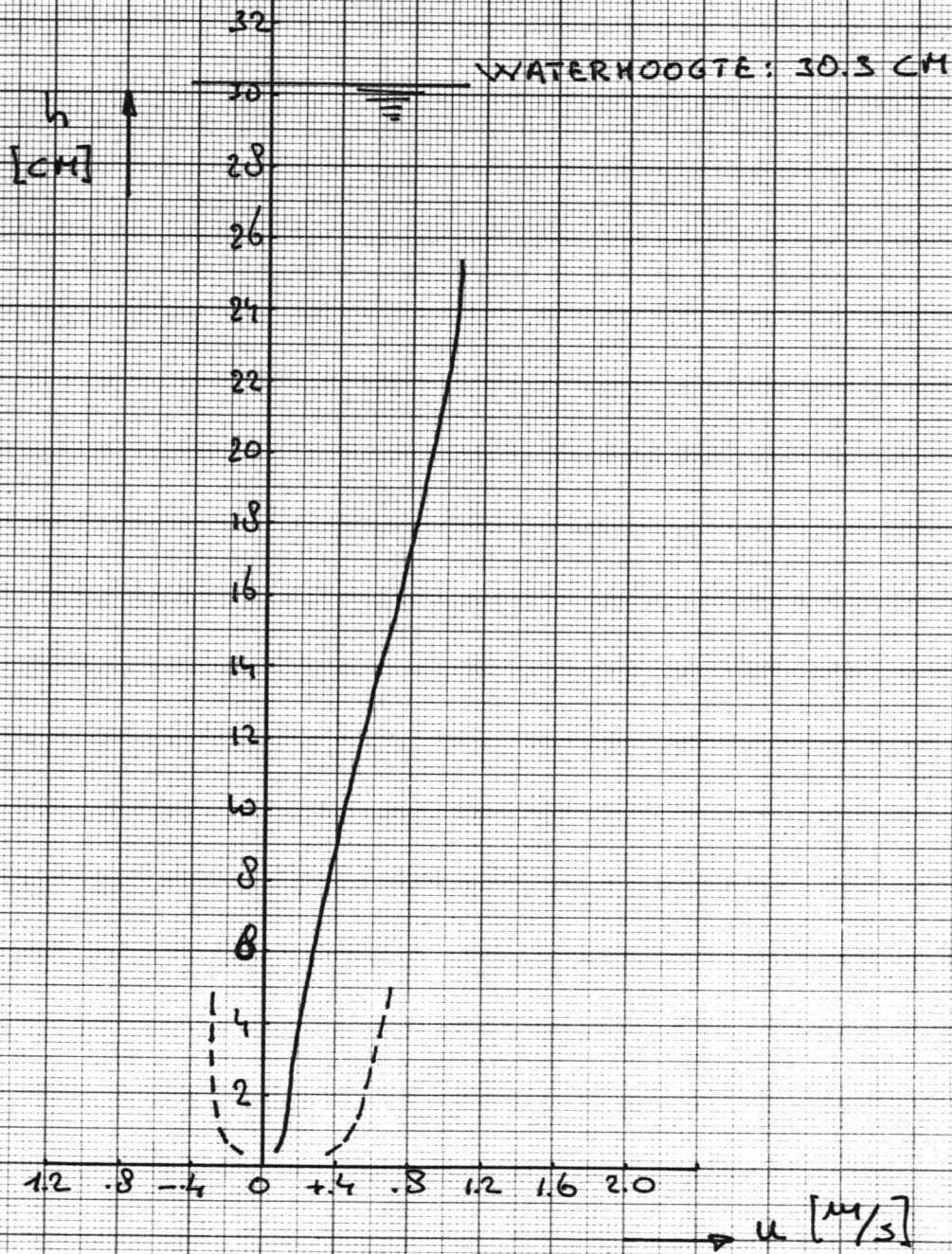
RUN XVII

PLAATS T.O.V. SPRONG: 110 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. 577



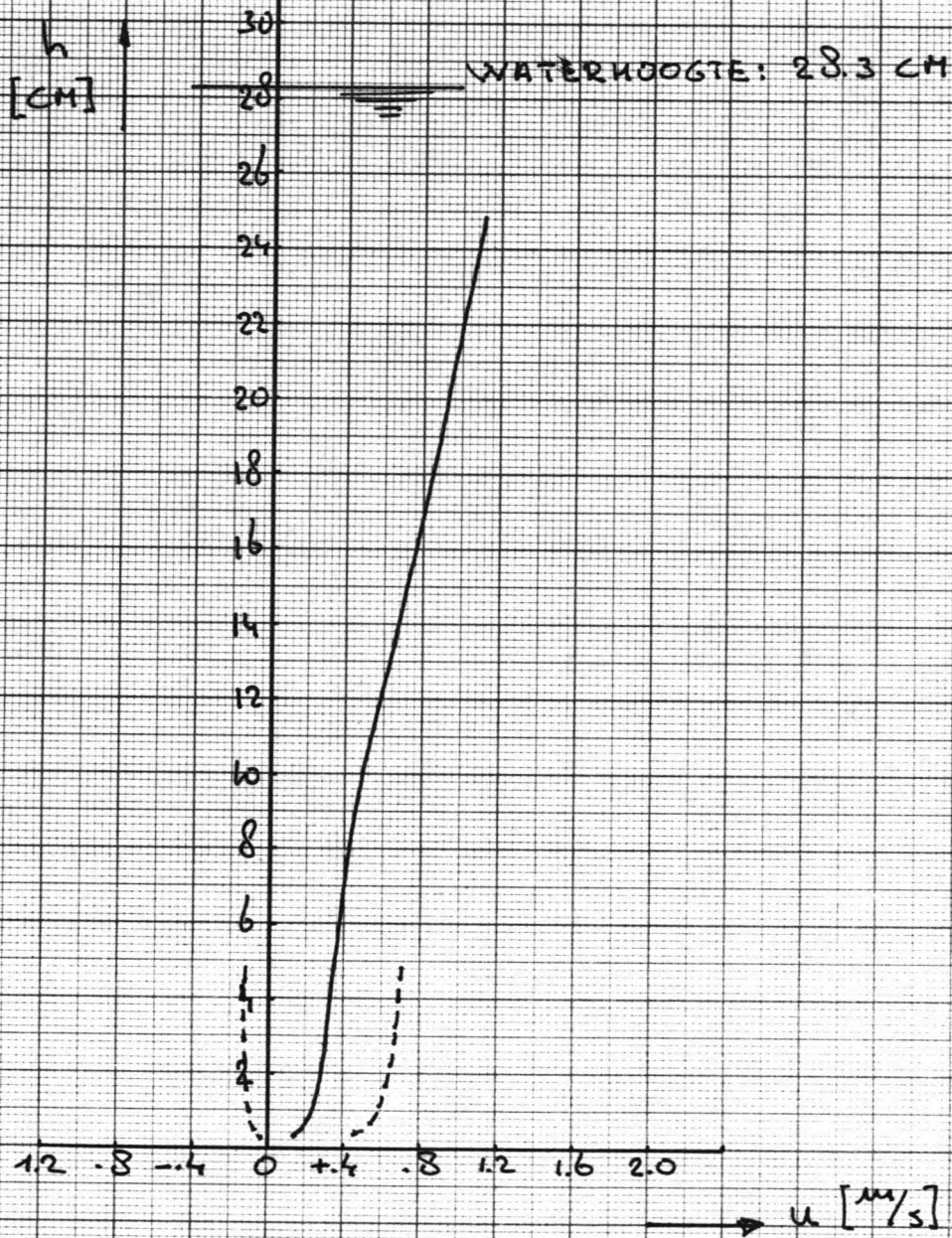
RUN XVII

PLAATS T.O.V. SPRONG: 140 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. 578



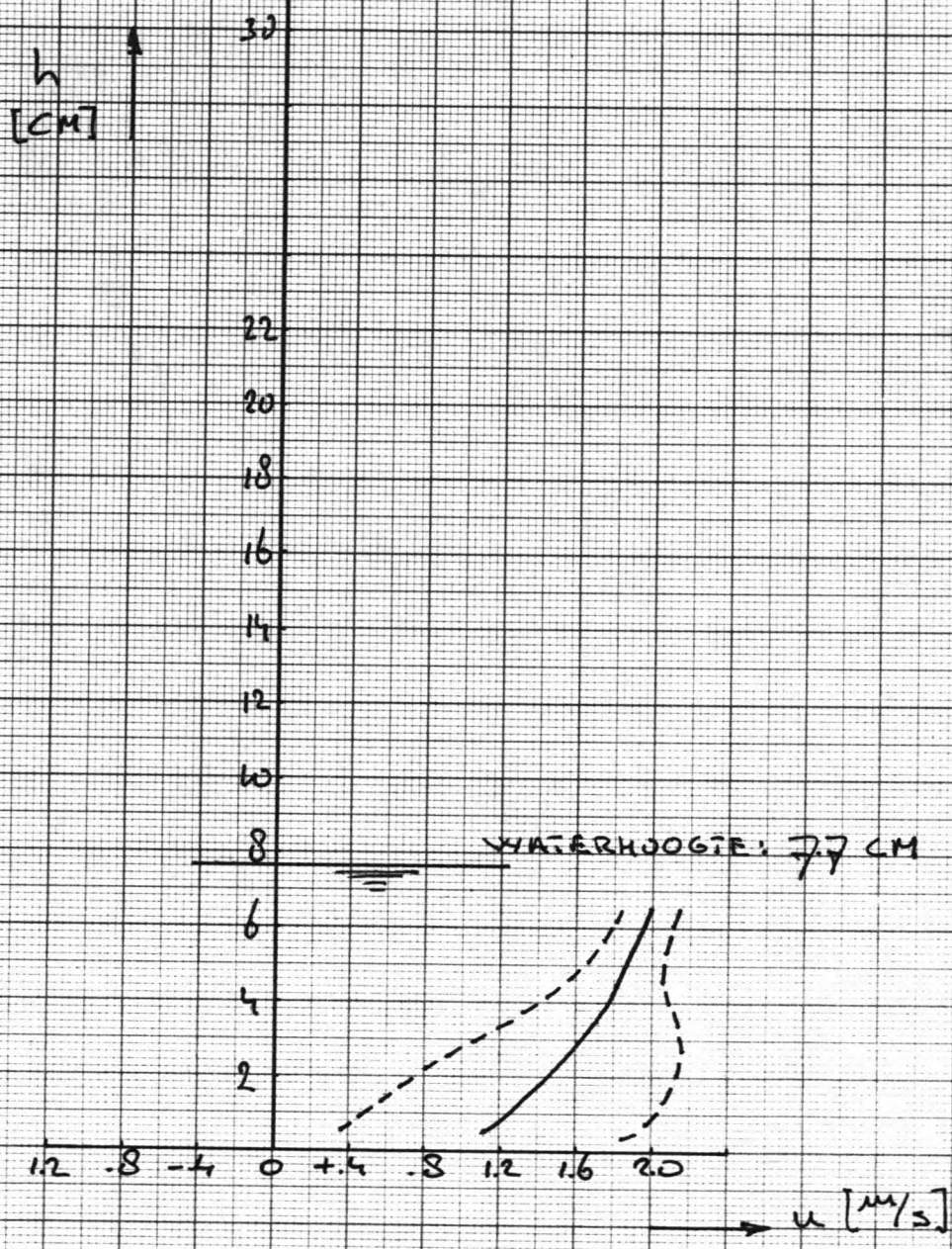
RUN XVII

PLAATS T.O.V. SPRONG: 170 CM

$D_{50} = 0.02$

$h_s = 0.12$

FIG. 579



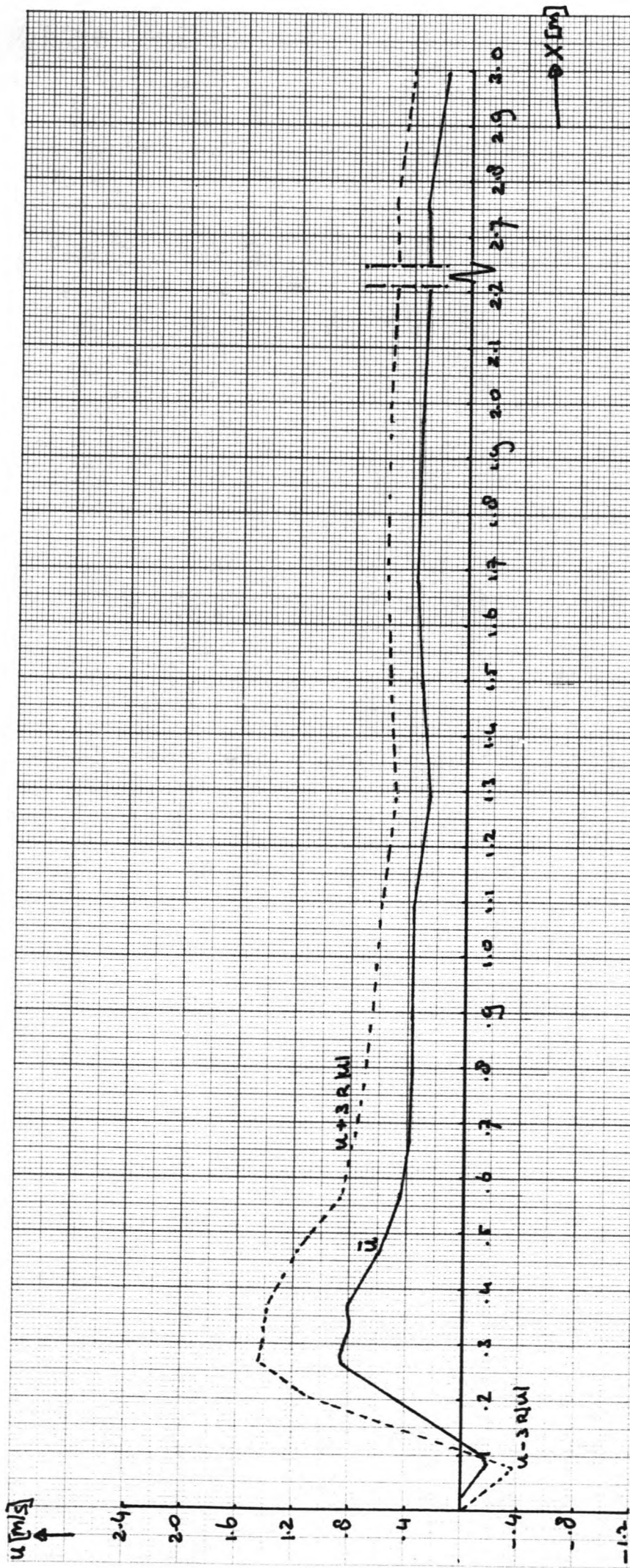
RUN XVIII

PLAATS T.O.V. SPRONG: 35 CM

$D_{50} = 0.02$

$h_s = 0.12$

Fig. 580

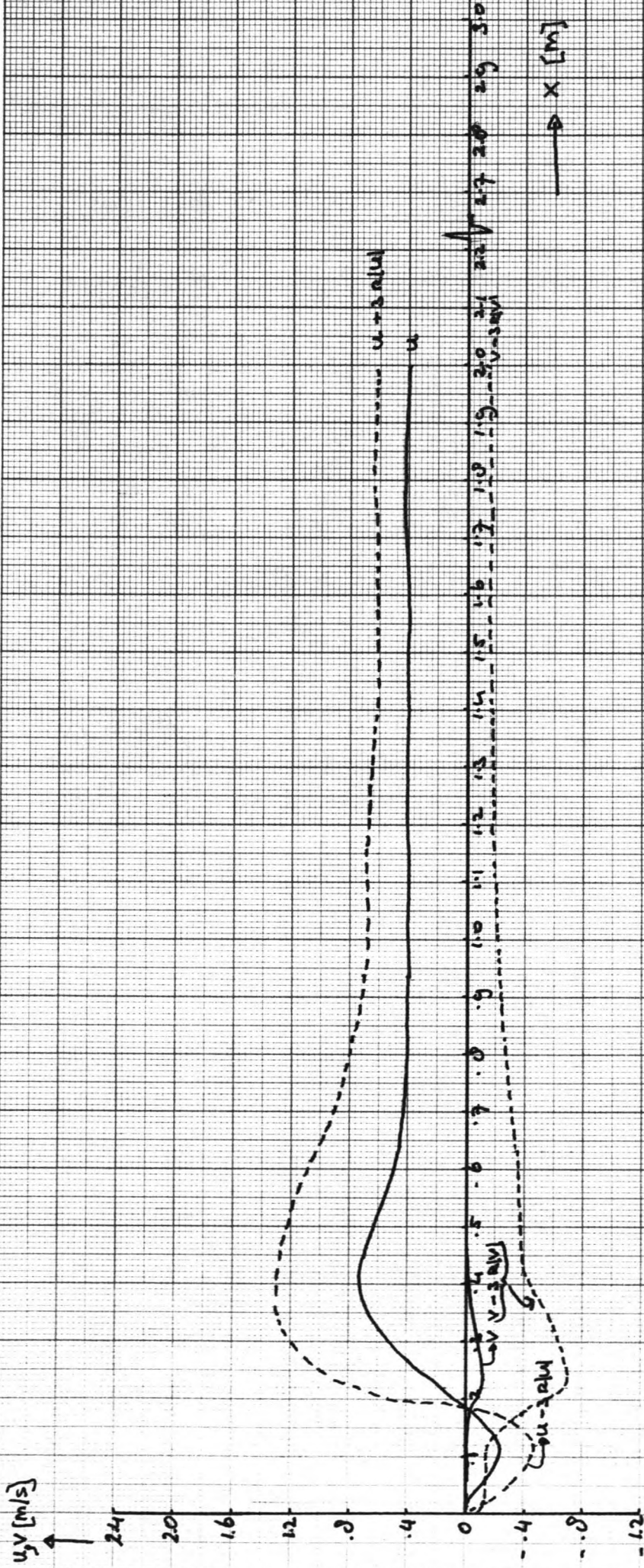


RUNI

HOOGTE BOVEN BESTORTING: 0.7 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.08 \text{ m}$

FIG: S81

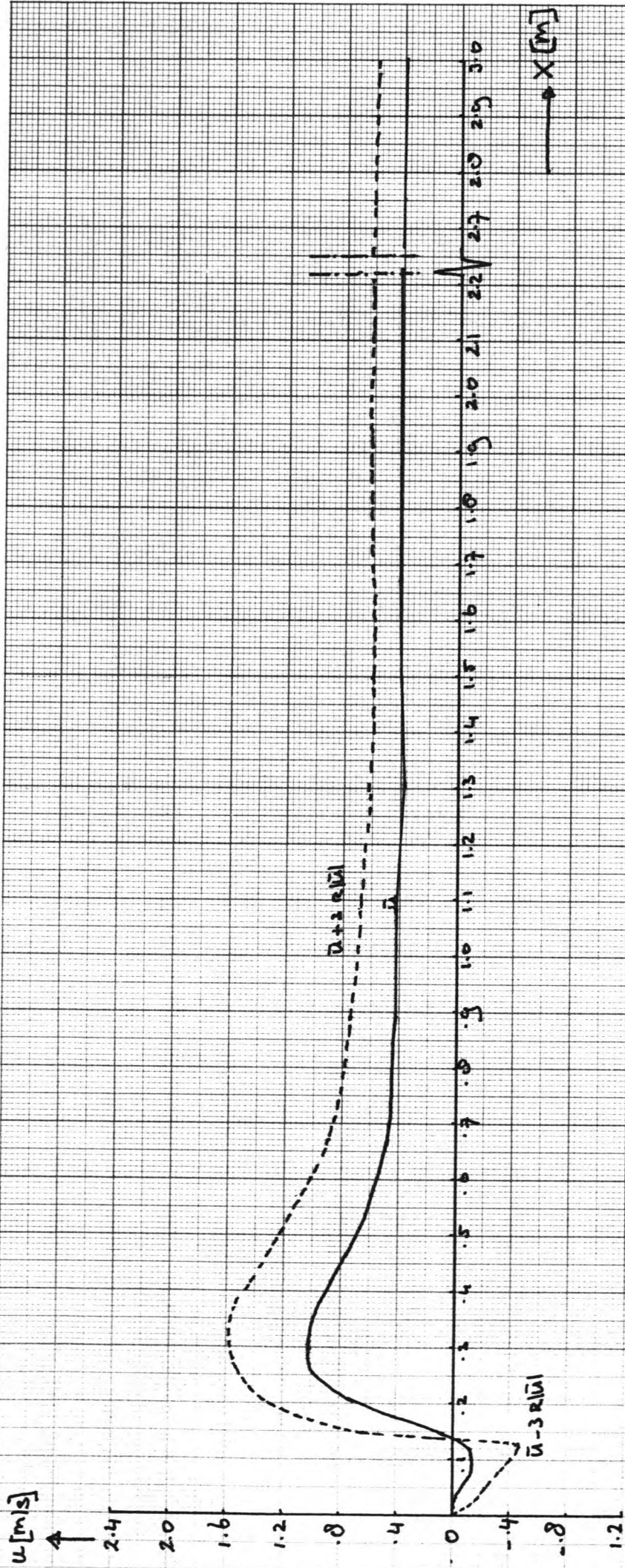


RUNII

HOOGTE BOVEN BESTORTING: 120 cm

$D_{50} = 0.03$ m
 $h_s = 0.08$ m

Fig: 582

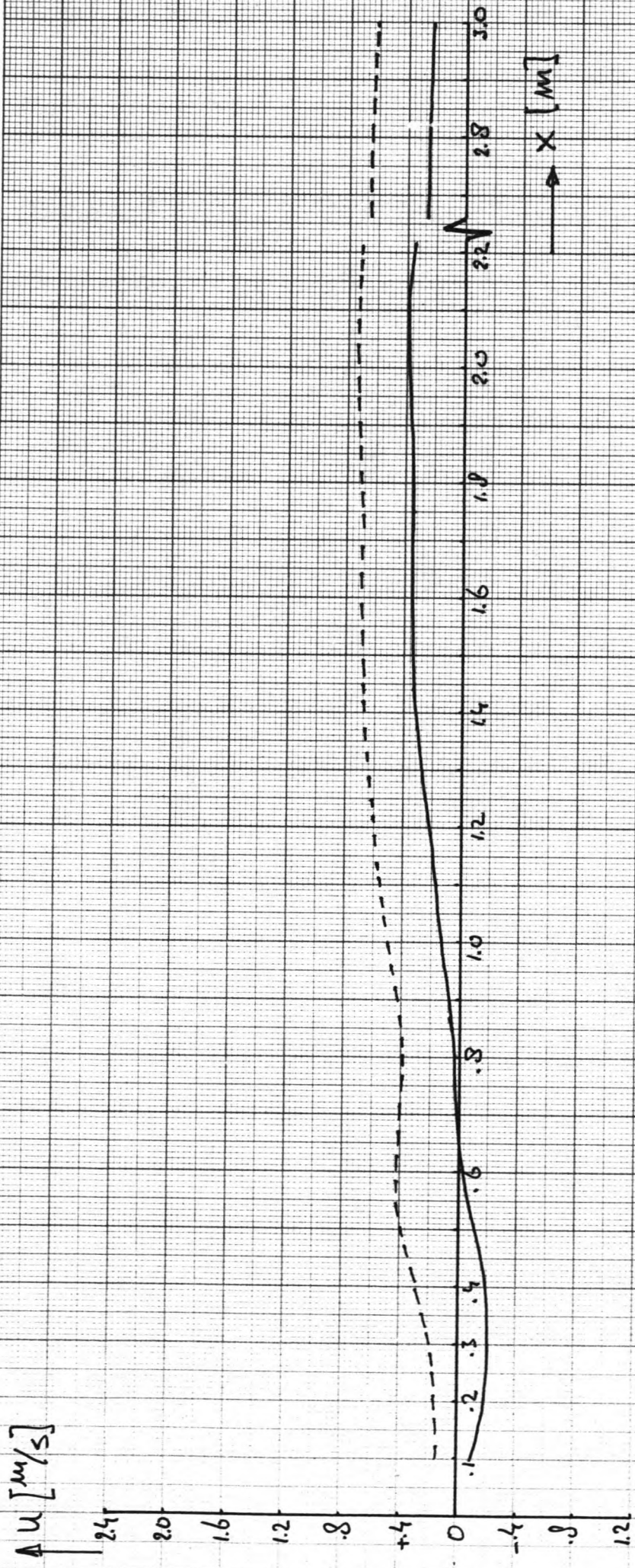


RUNI

HOOGTE BOVEN BESTORTING: 1.6 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.00 \text{ m}$

FIG. S83



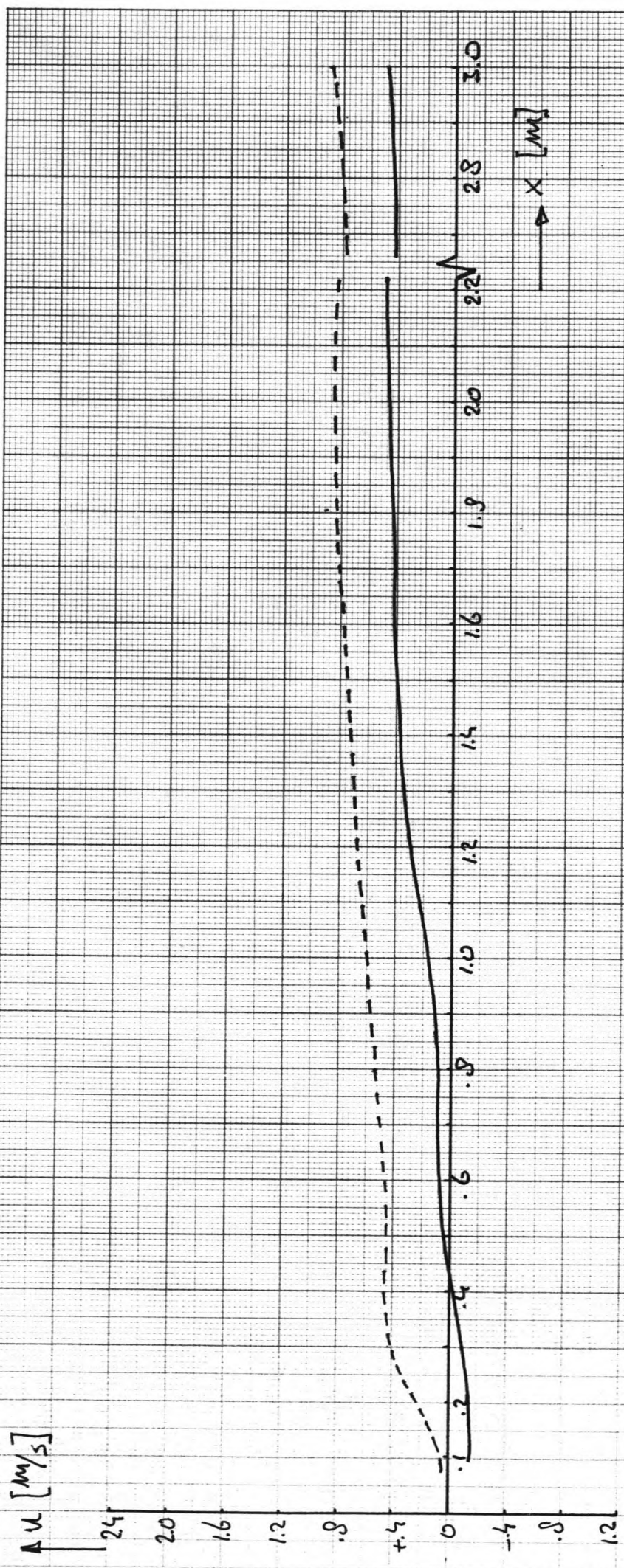
RUN IV

HUOGTE T.O.V. BËSTORTING: 0.79 CM

$D_{50} = 0.03$

$h_s = 0.08$

FIG. 584



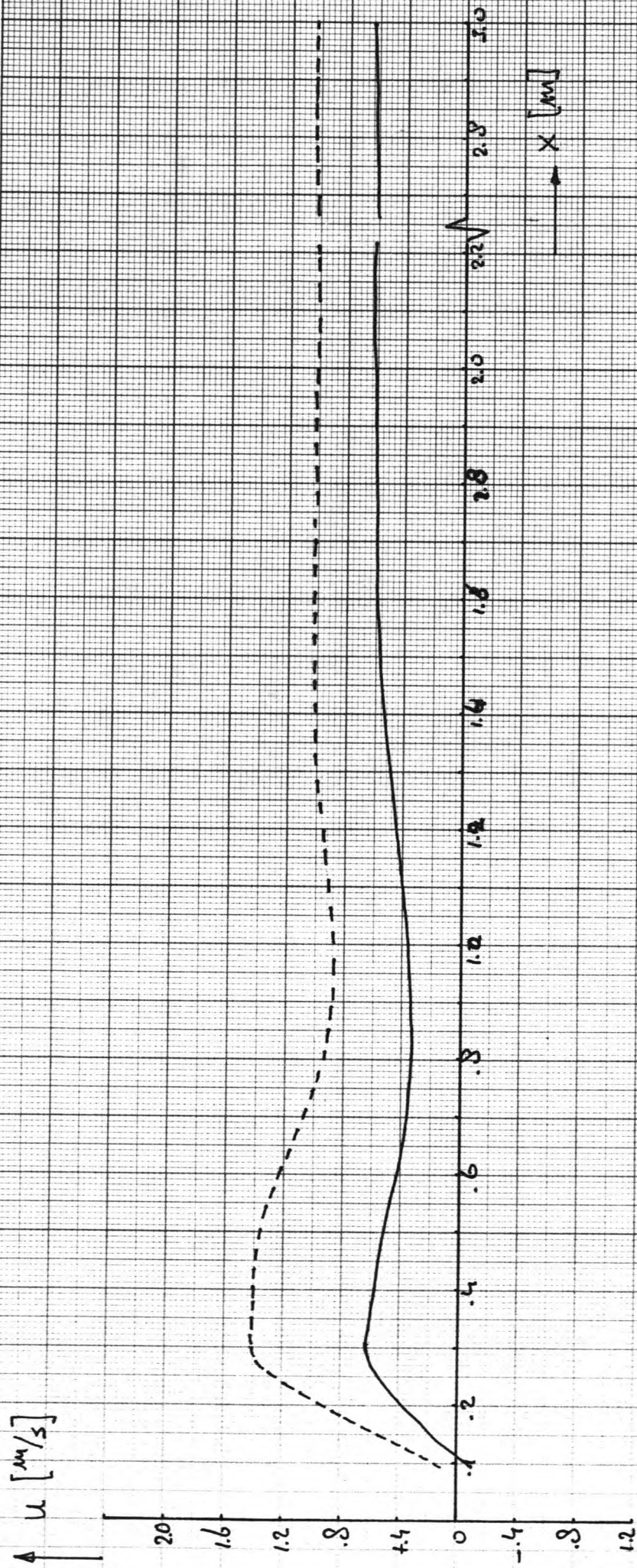
RUN IV

HOOGTE BOVEN BESTORTING: 1.79 cm

$D_{50} = 0.01$

$h_s = 0.08$

Fig. 58s



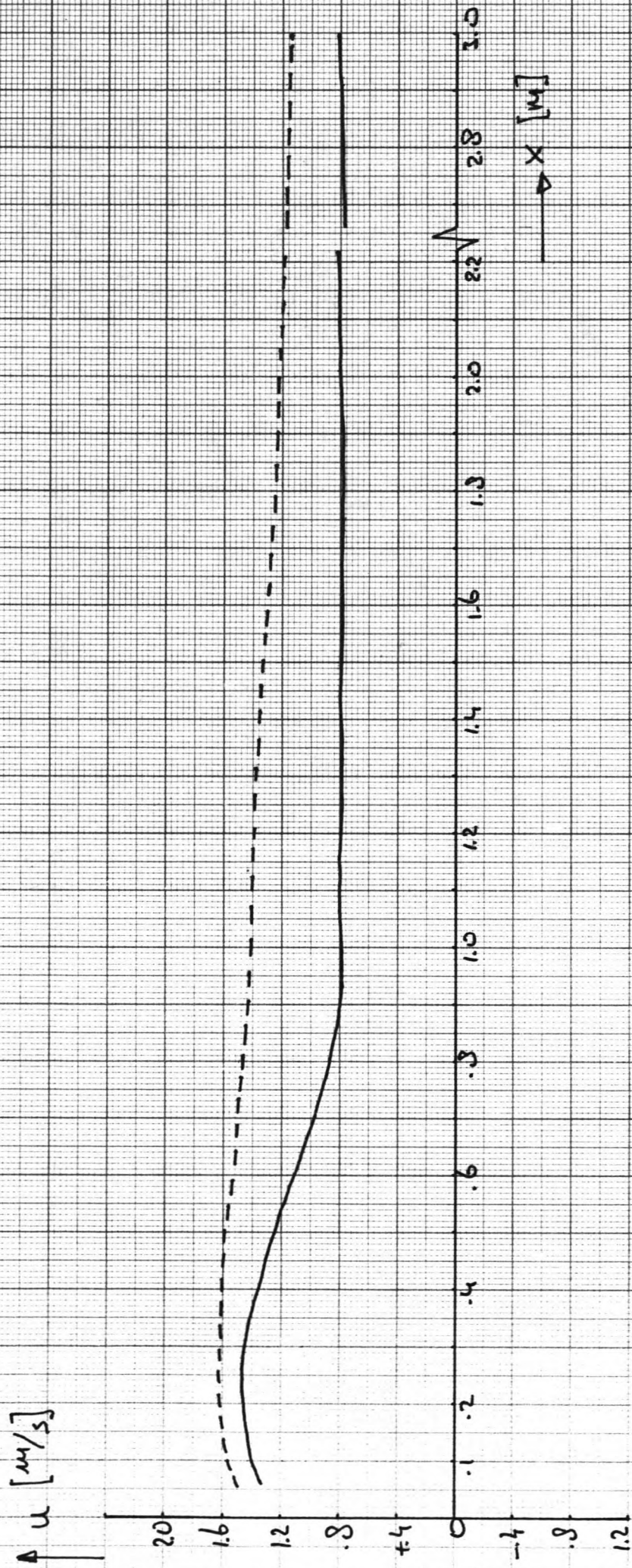
RUN IV

HOOGTE BOVEN BESTORTING: 5.79 CM

$D_{50} = 0.01$

$h_s = 0.08$

FIG. S86



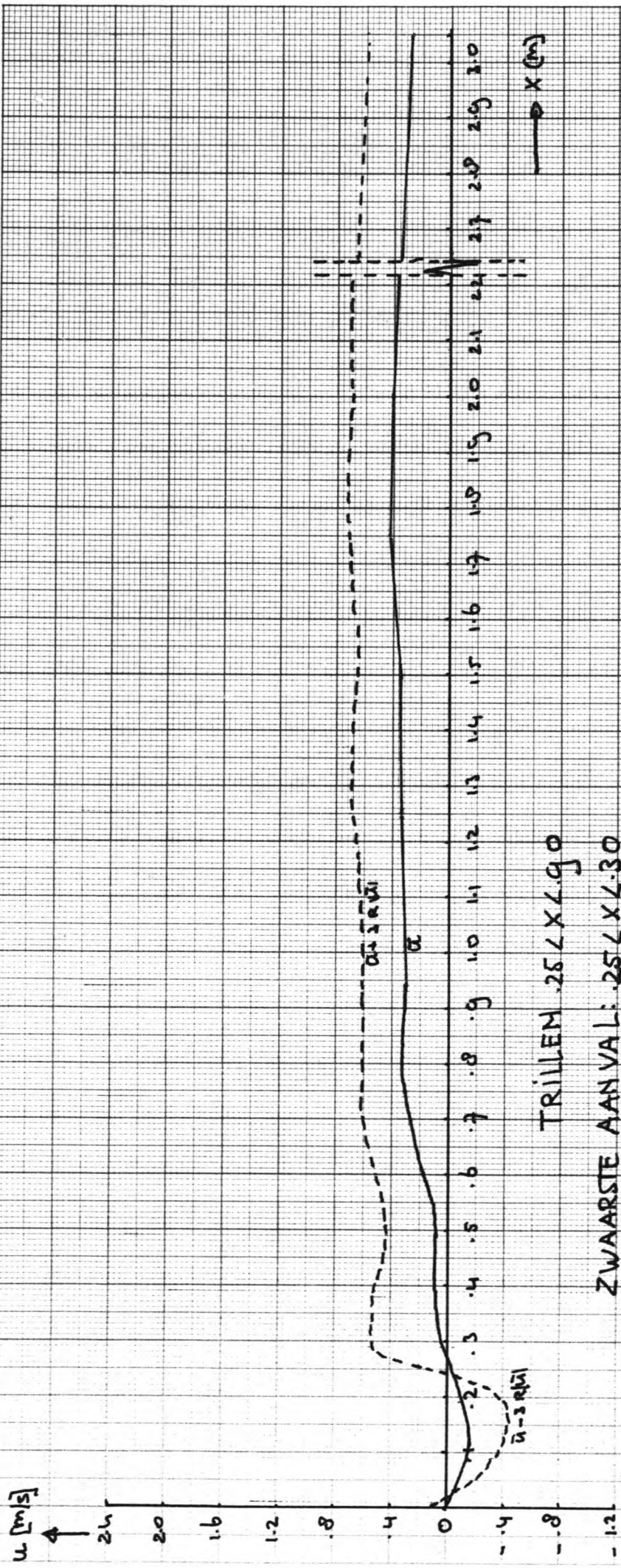
RUN IV

HOOGTE BOVEN RESTORTING: 12.79 CM

$D_{50} = 0.03$

$h_s = 0.08$

Fig. 587



TRILLEN 25 L X L 90

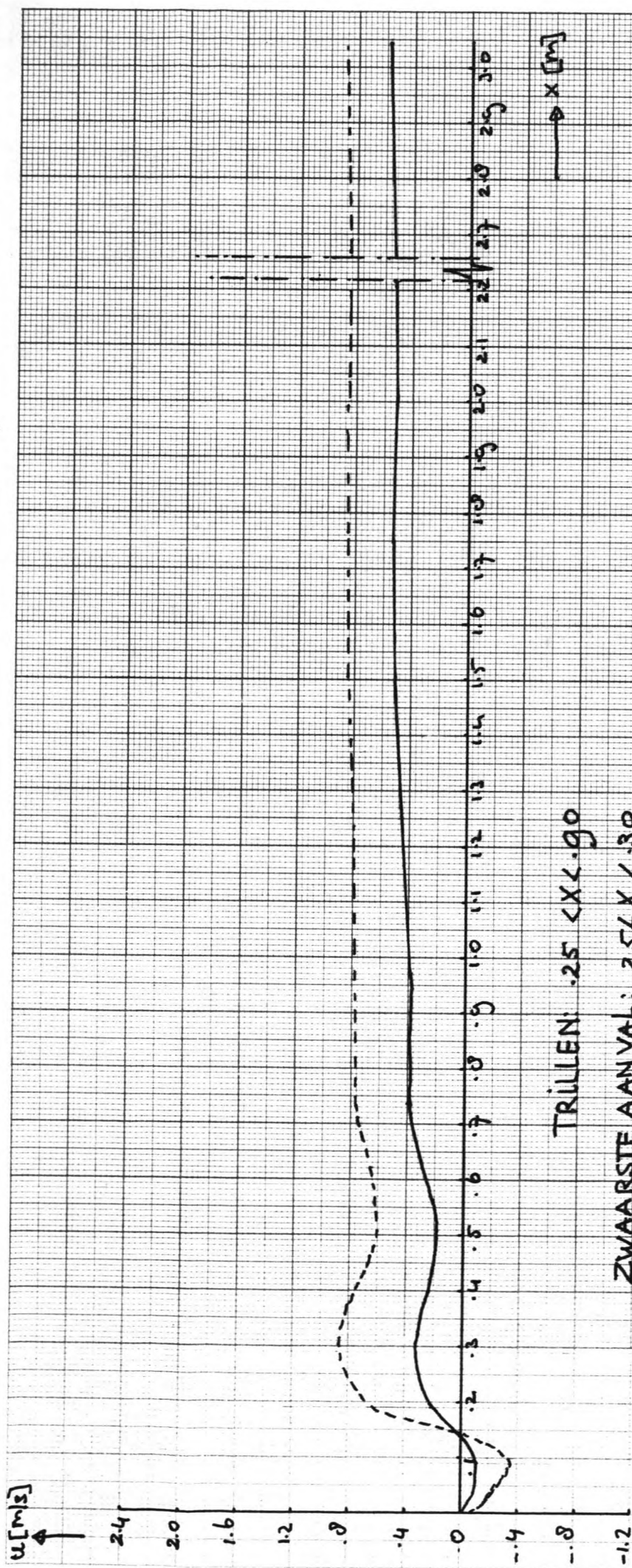
ZWAARSTE AANVAL: 25 L X L 30

RUNIV

HOOGTE BOVENBESTORTING: 0.9 cm

$D_{50} = 0.03 \text{ m}$
 $h_s = 0.04 \text{ m}$

Fig: 588



TRILLEN: .25 < x < .90

ZWAARSTE AANVAL: .25 < x < .30

RUN V

HOOGTE BOVEN BESTORTING: 2.38 cm

$D_{50} = 0.03$ m
 $h_s = 0.04$ m

FIG: S.89

