

Data for Natural Condition Survey Report
for
The Study
on
Maintenance Dredging
in Access Channel of Banjarmasin Port
In
The Republic of Indonesia

[Vol. 7/9 - 4. Others Survey]

4.1 Echo-sounding(Wide Area)

March 1990

Japan International Cooperation Agency

4. Others

4.1 Echo-sounding in Wide area

- 4.1-1(1)-(6) Tracking Maps(2 sheets)
 Contour Maps (2 sheets)
 Bathymetric Map(2 sheets)
4.1-2(1)-(19) Longitudinal(N-S) and Cross(E-W) Profile

Echo-sounding survey(Narrow Area) in each stage was conducted in the following Date

1st stage : th January - th June 1989

2nd stage : th June - th August 1989

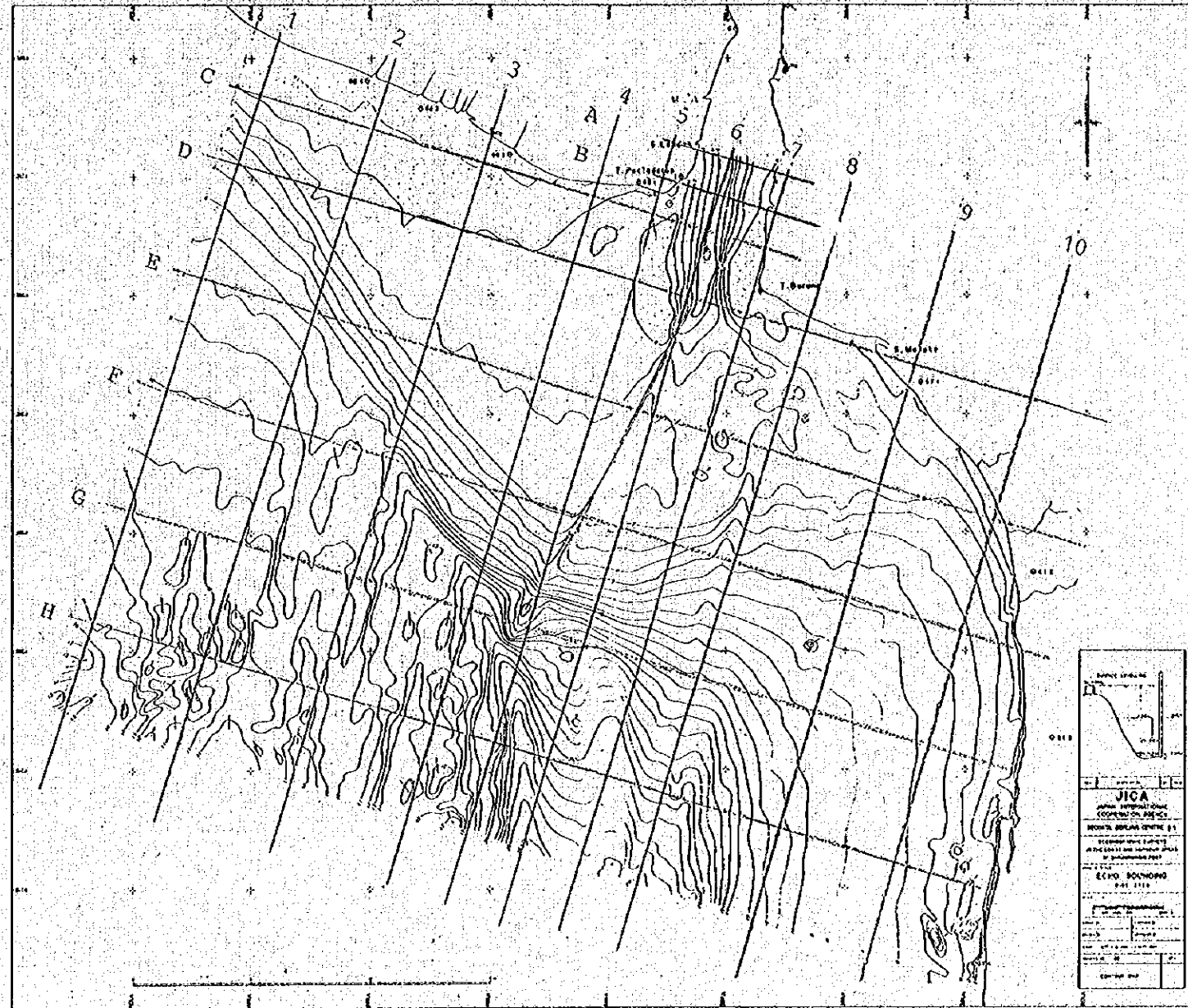
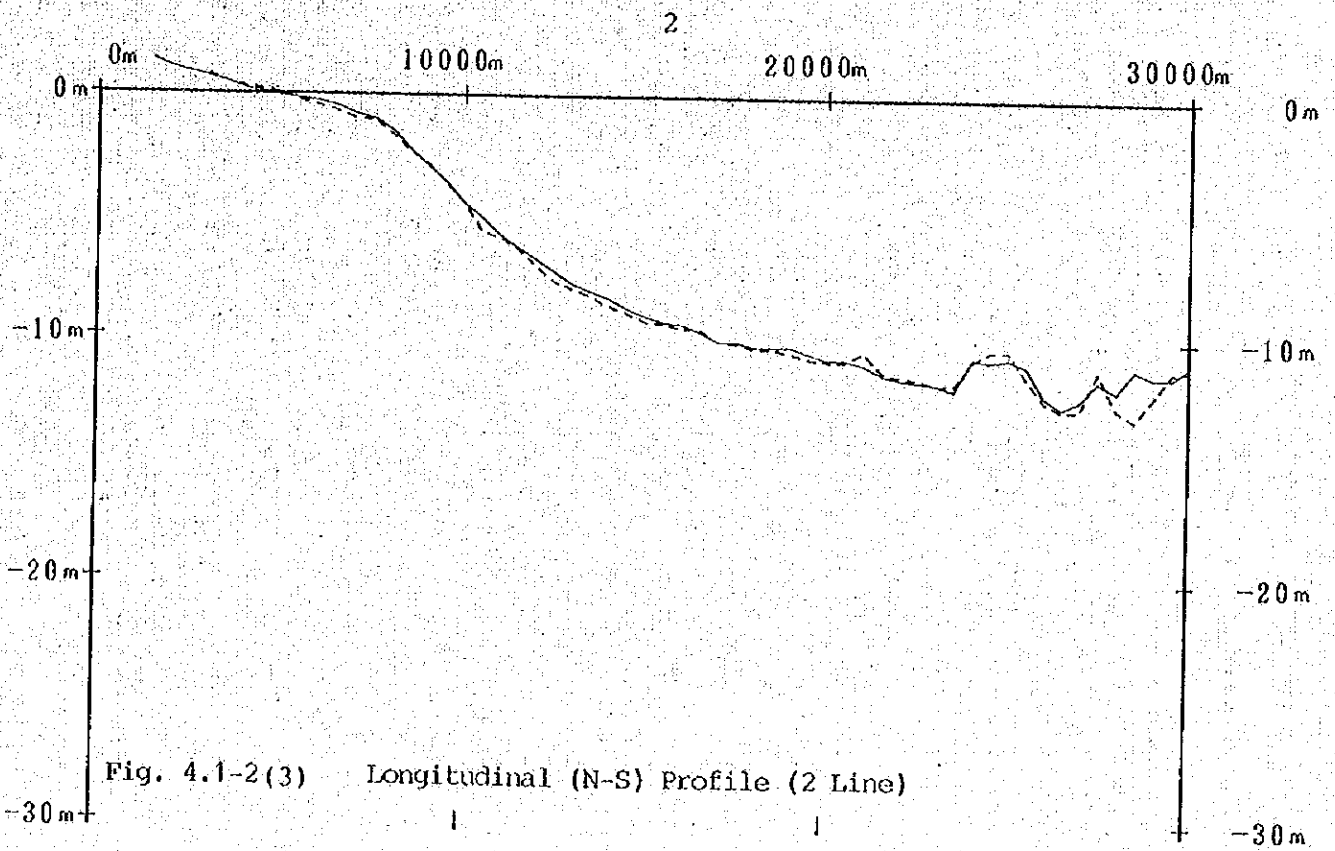
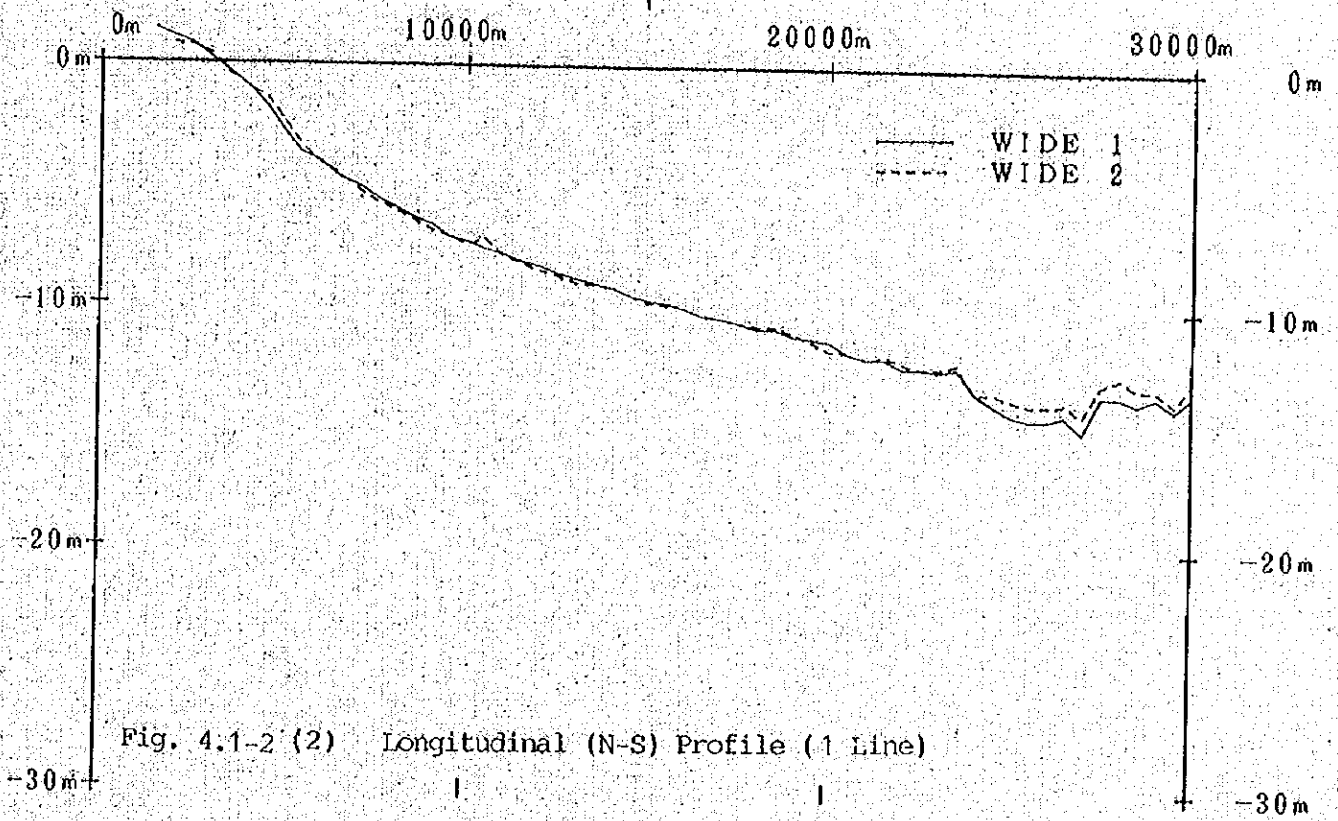


Fig. 4.1-2(1) Survey Lines for Longitudinal (N-S) and Cross (E-W) Profile

H=1: 20000

V=1: 300



H=1: 20000 V=1: 300

3

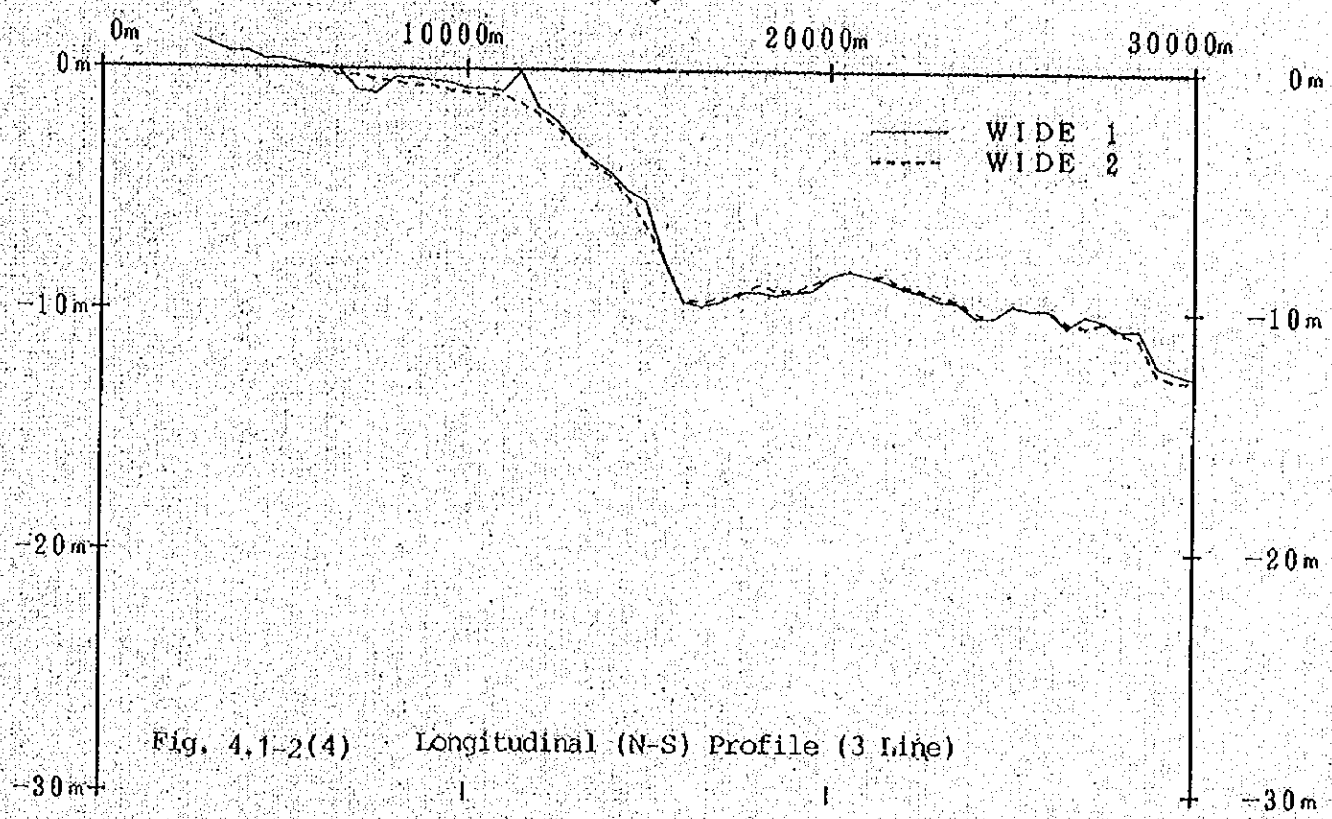


Fig. 4.1-2(4) Longitudinal (N-S) Profile (3 Line)

4

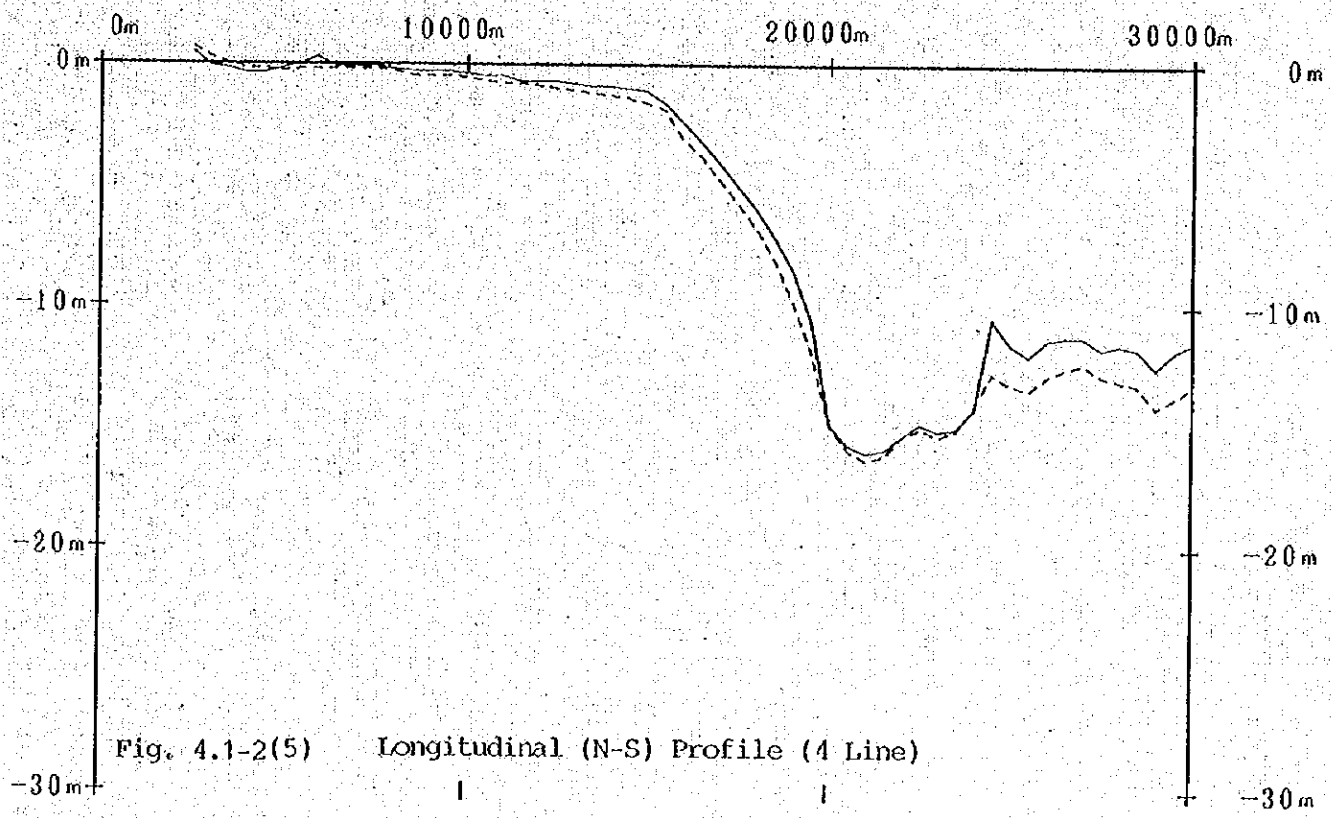
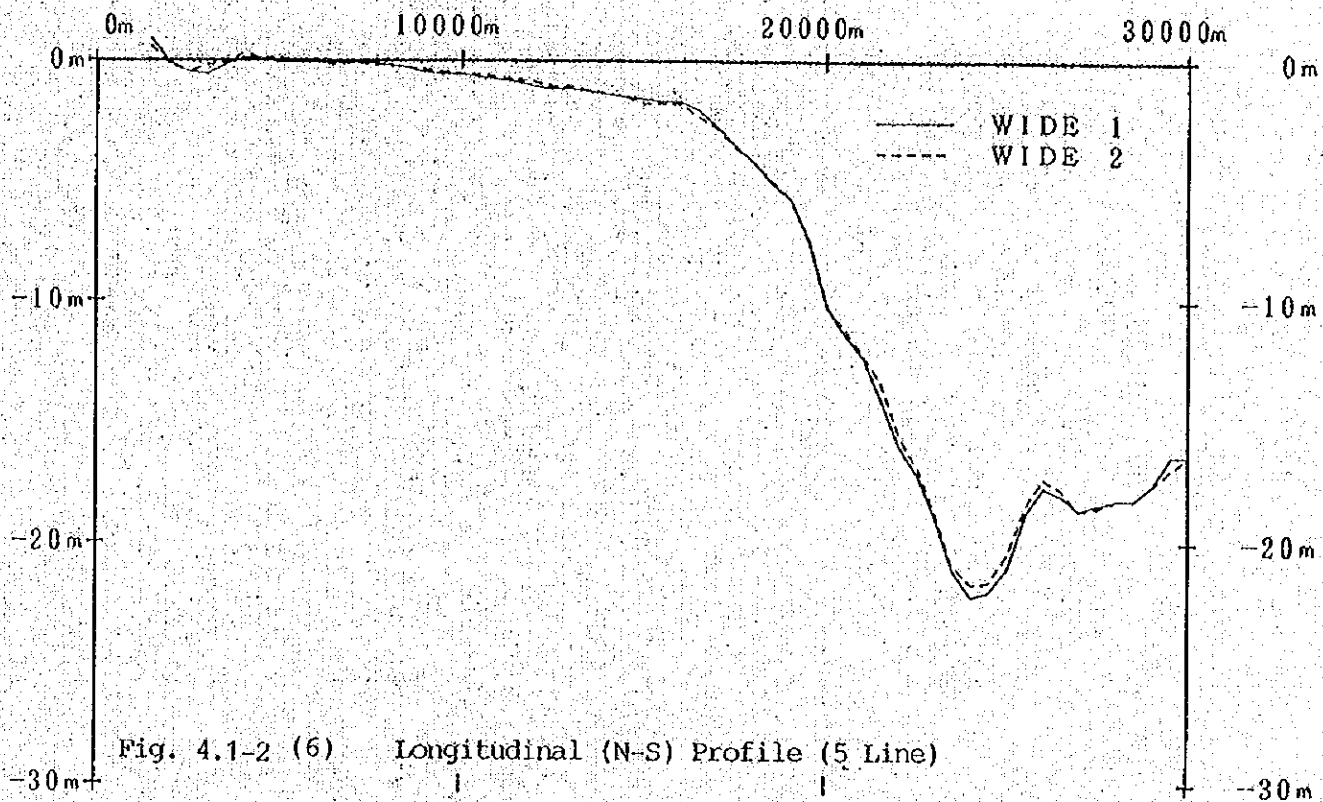


Fig. 4.1-2(5) Longitudinal (N-S) Profile (4 Line)

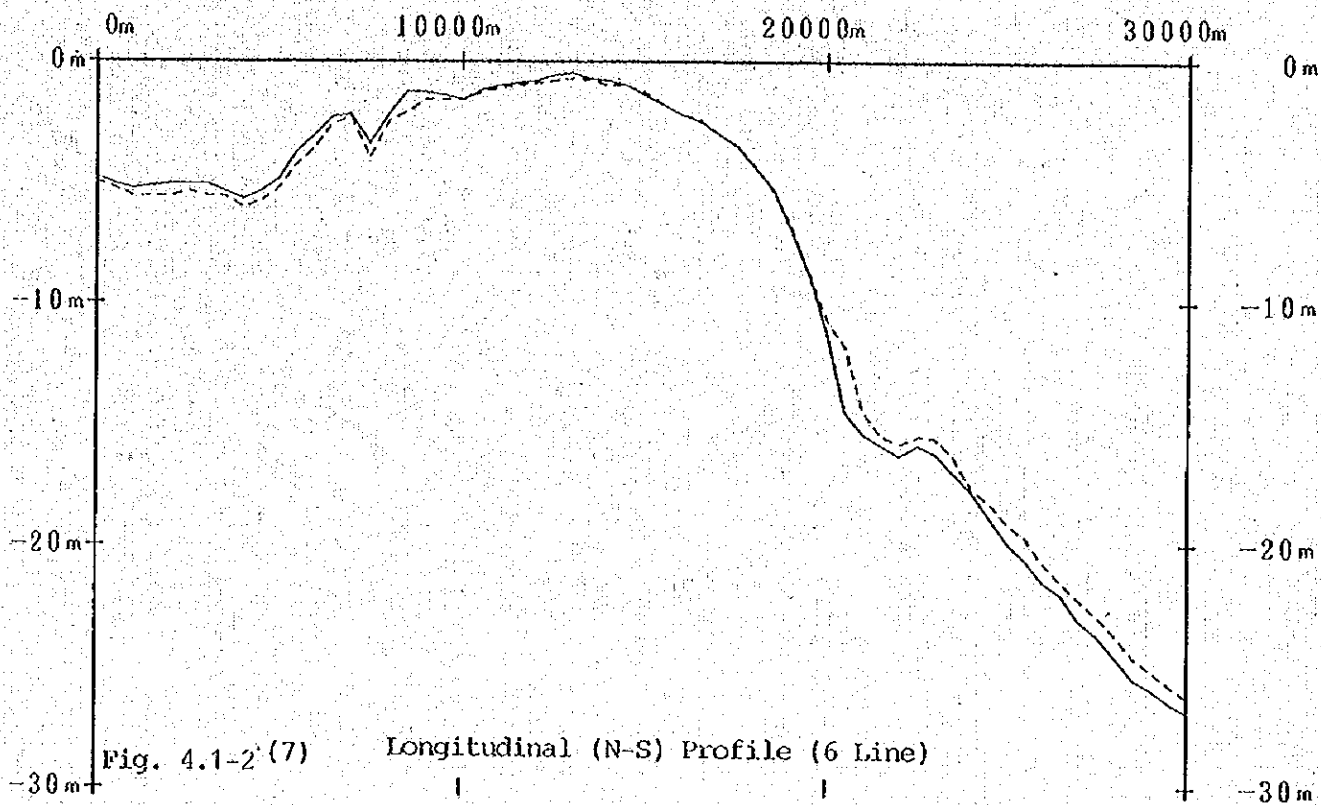
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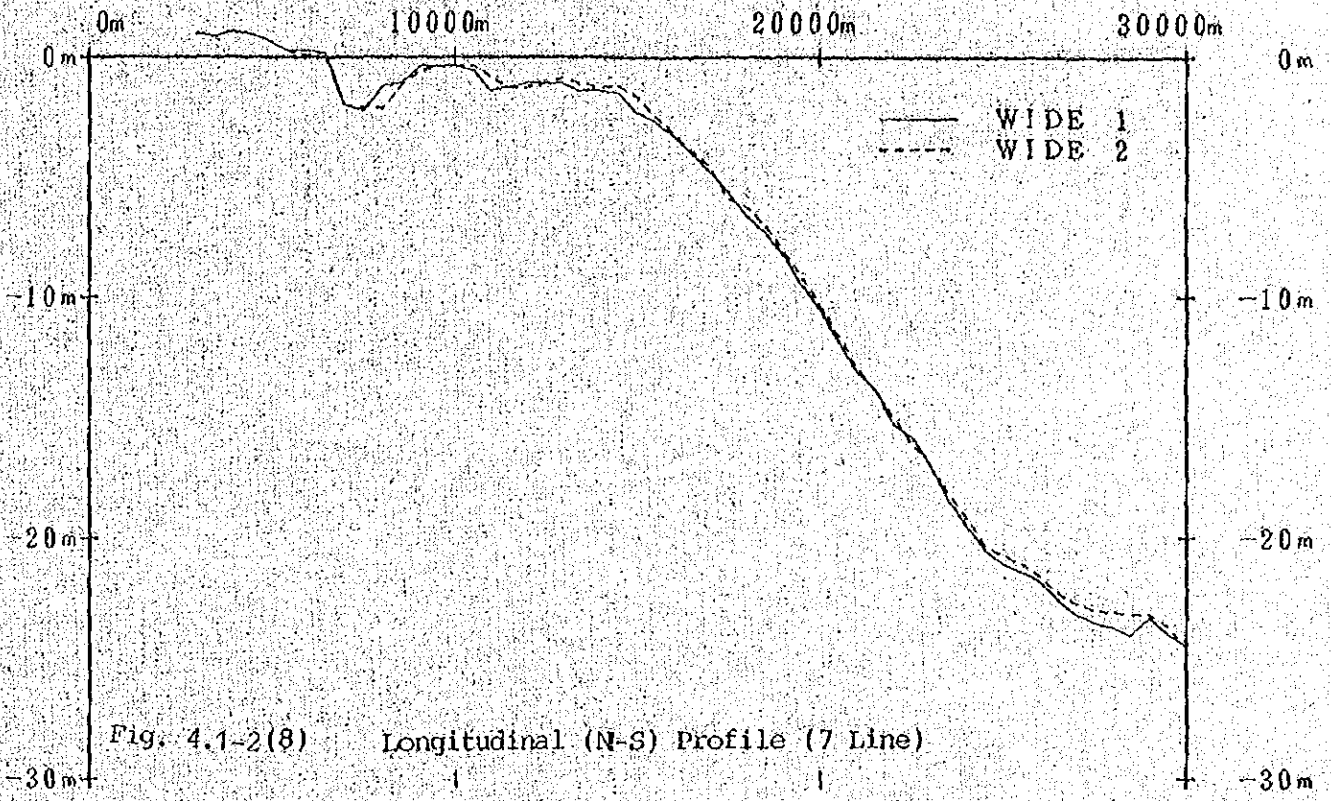
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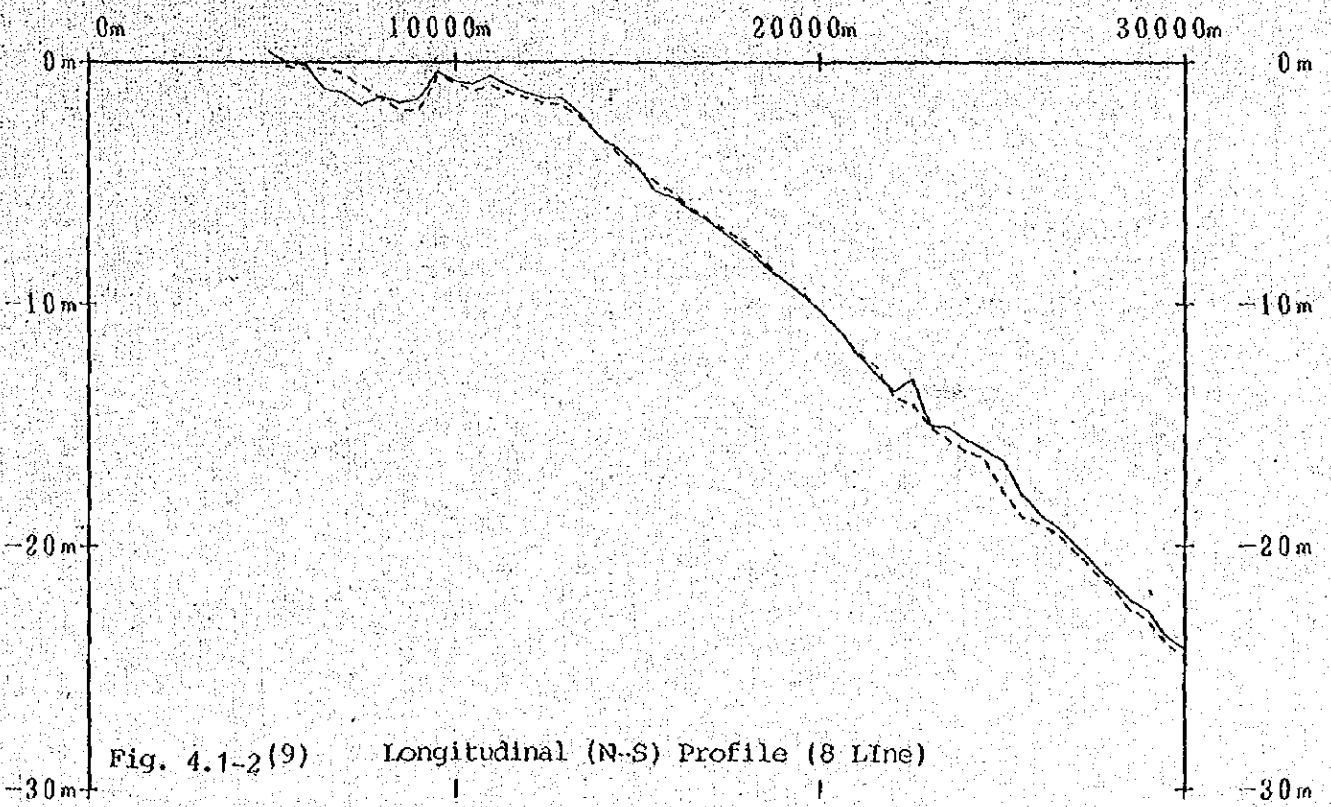
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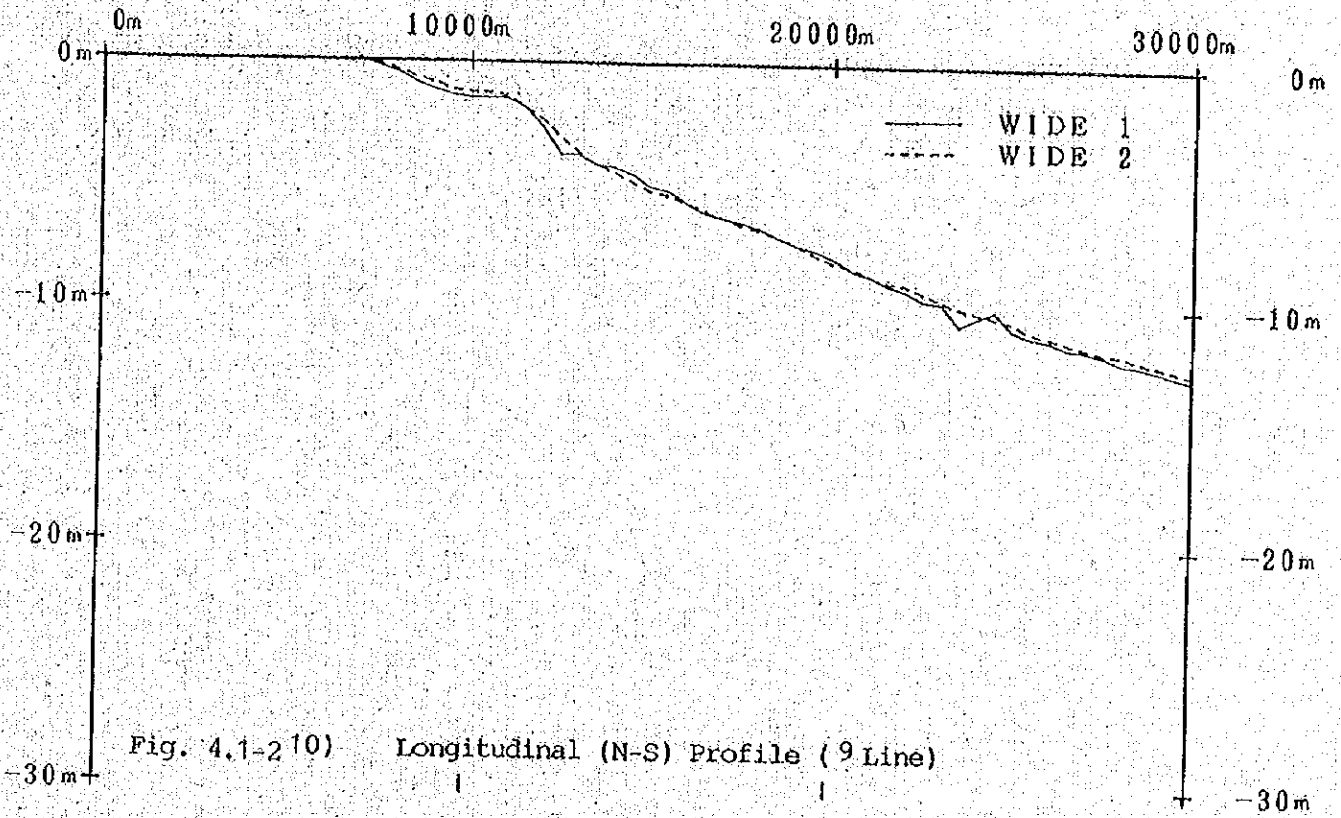
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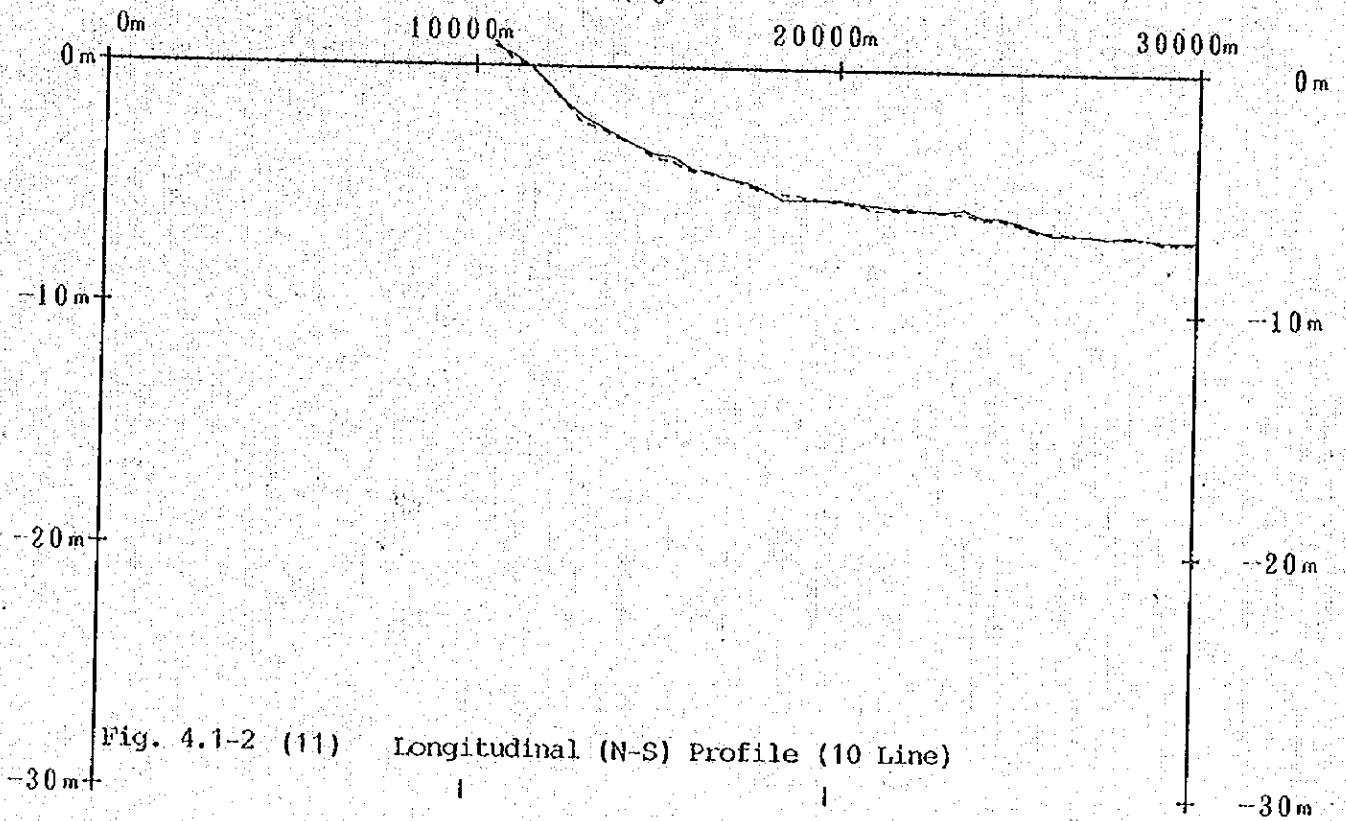
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V=1: 300

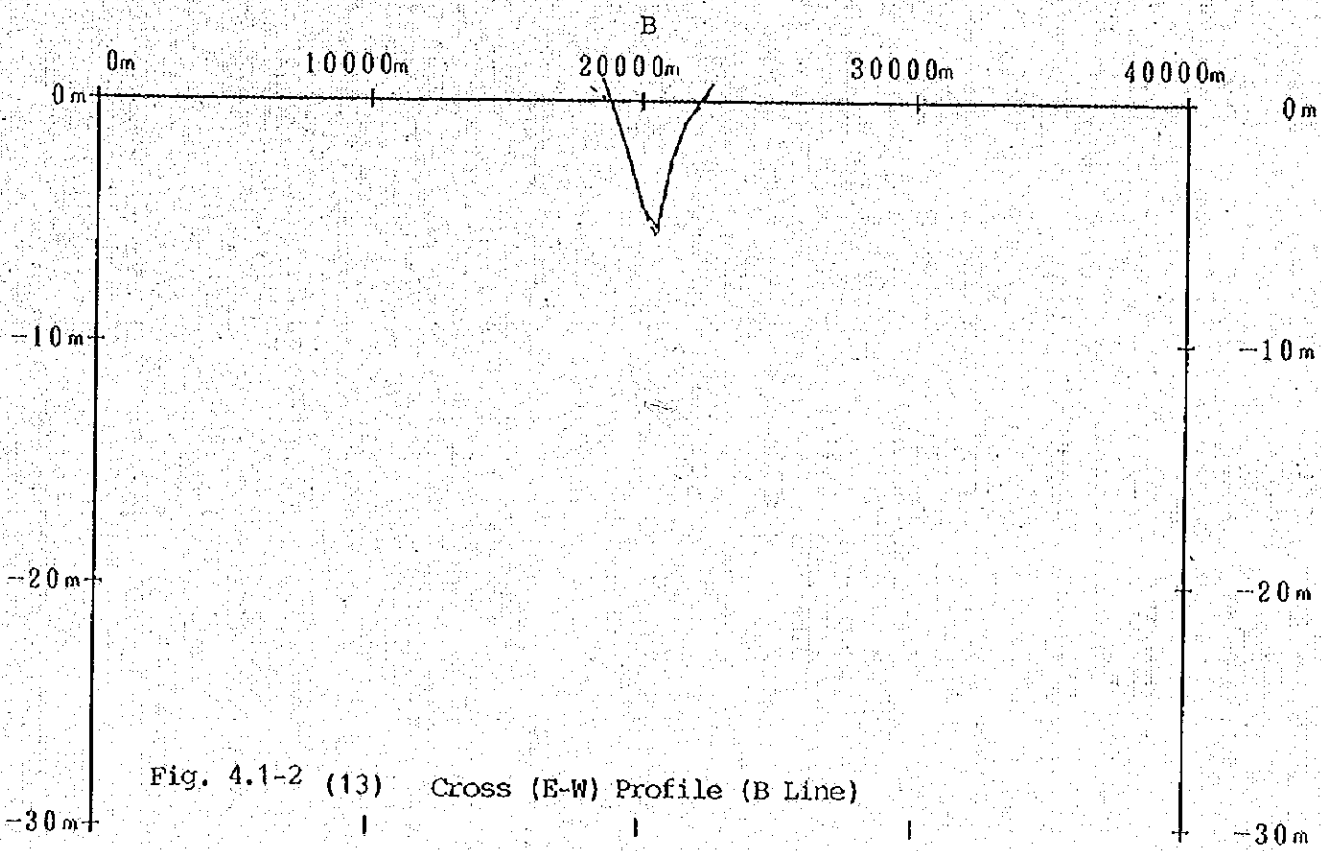
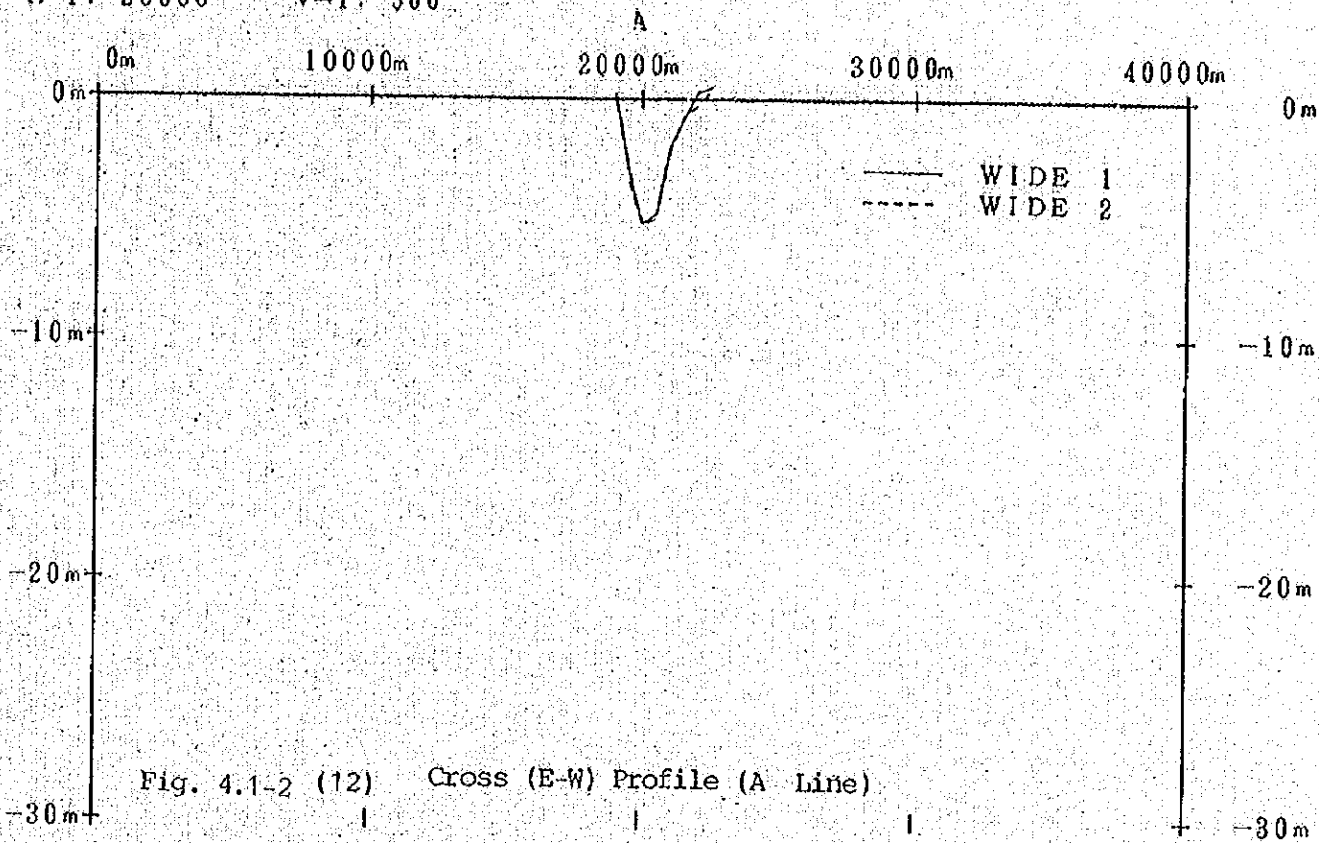
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10

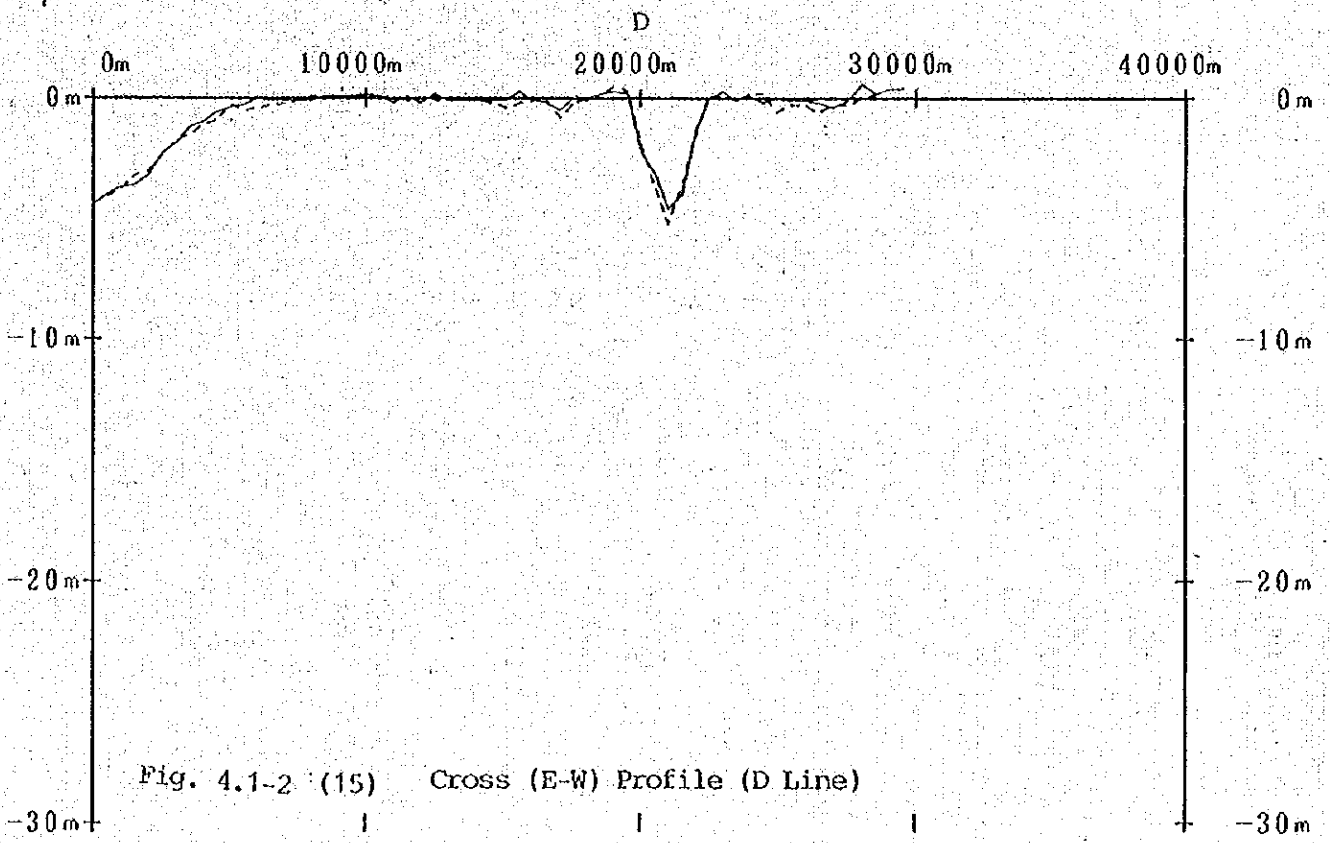
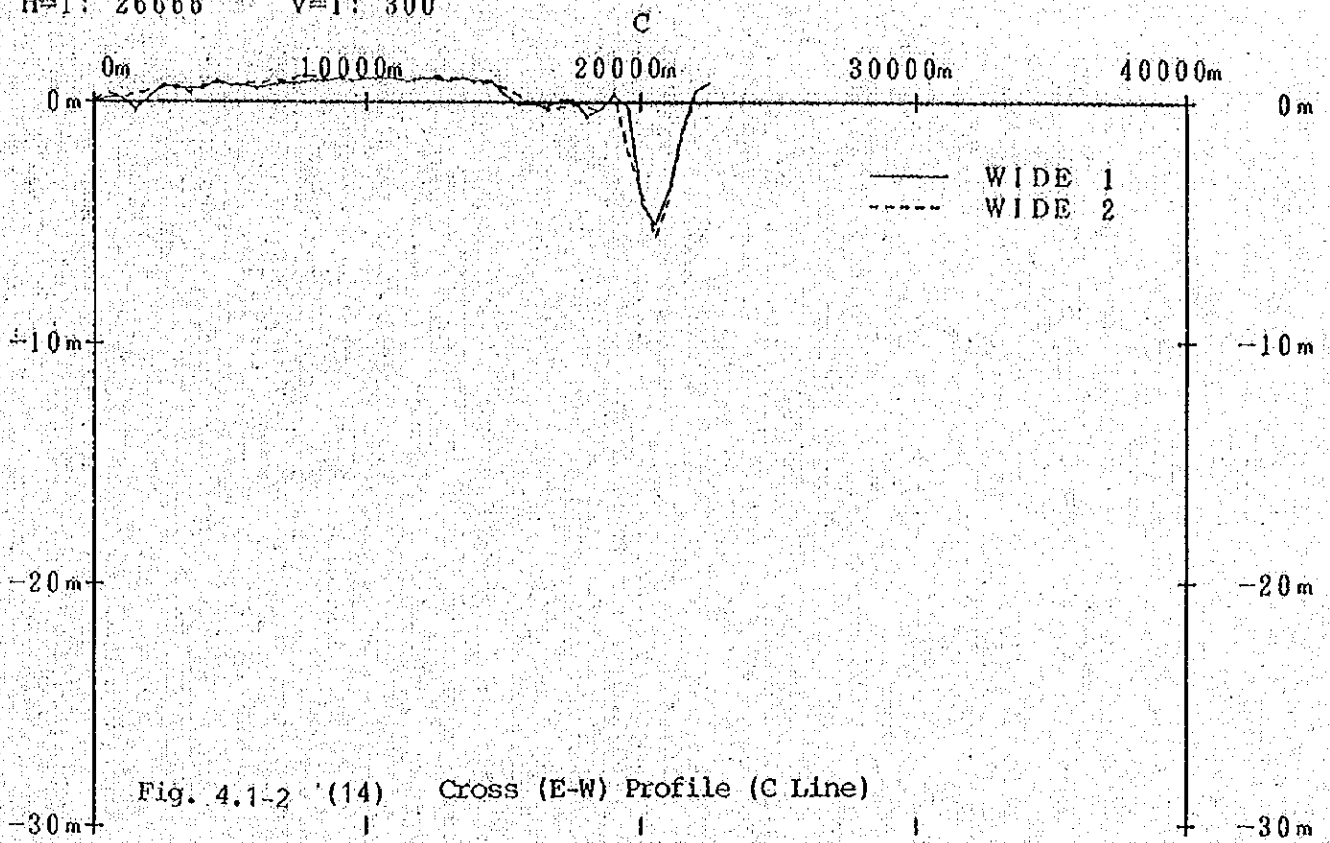


H=1: 26666 V=1: 300



H=1: 26666

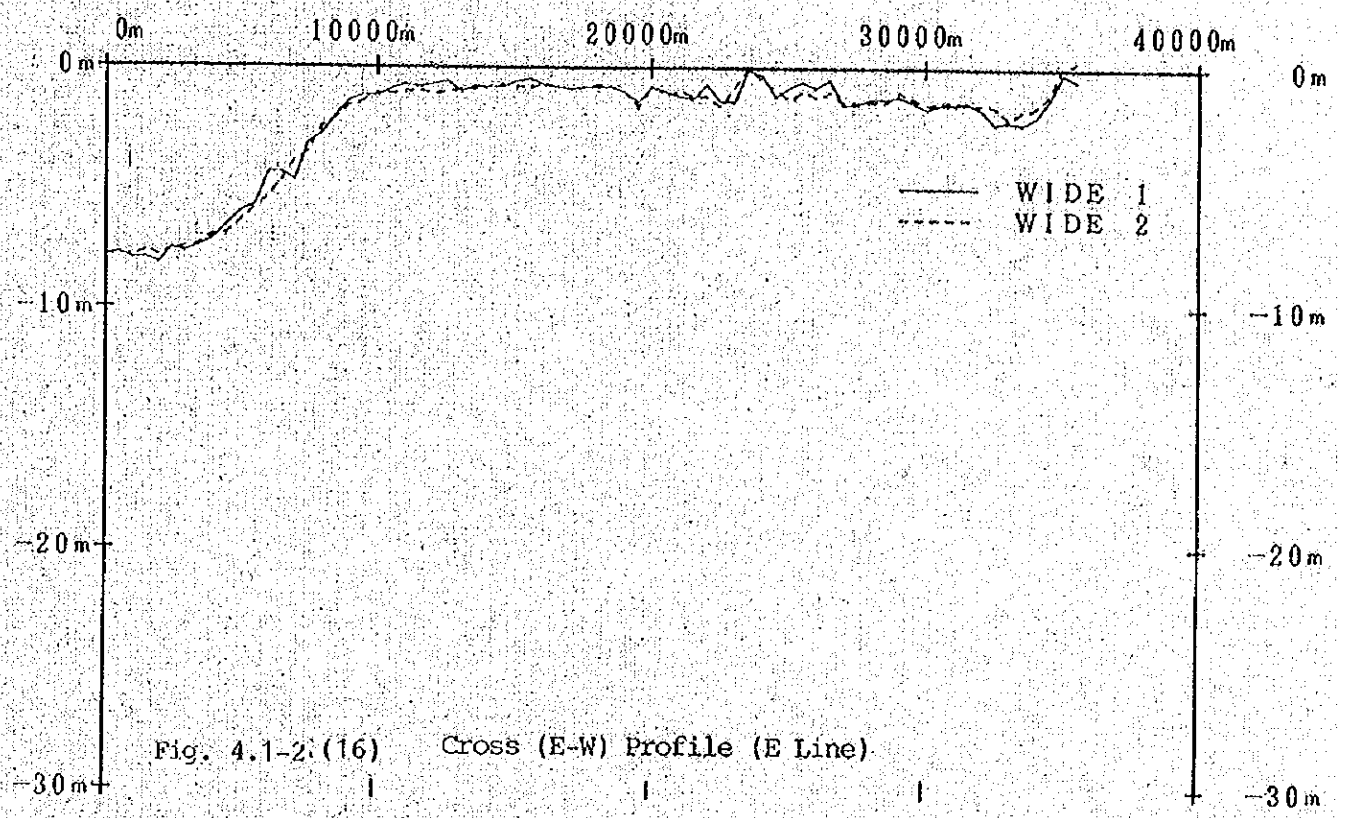
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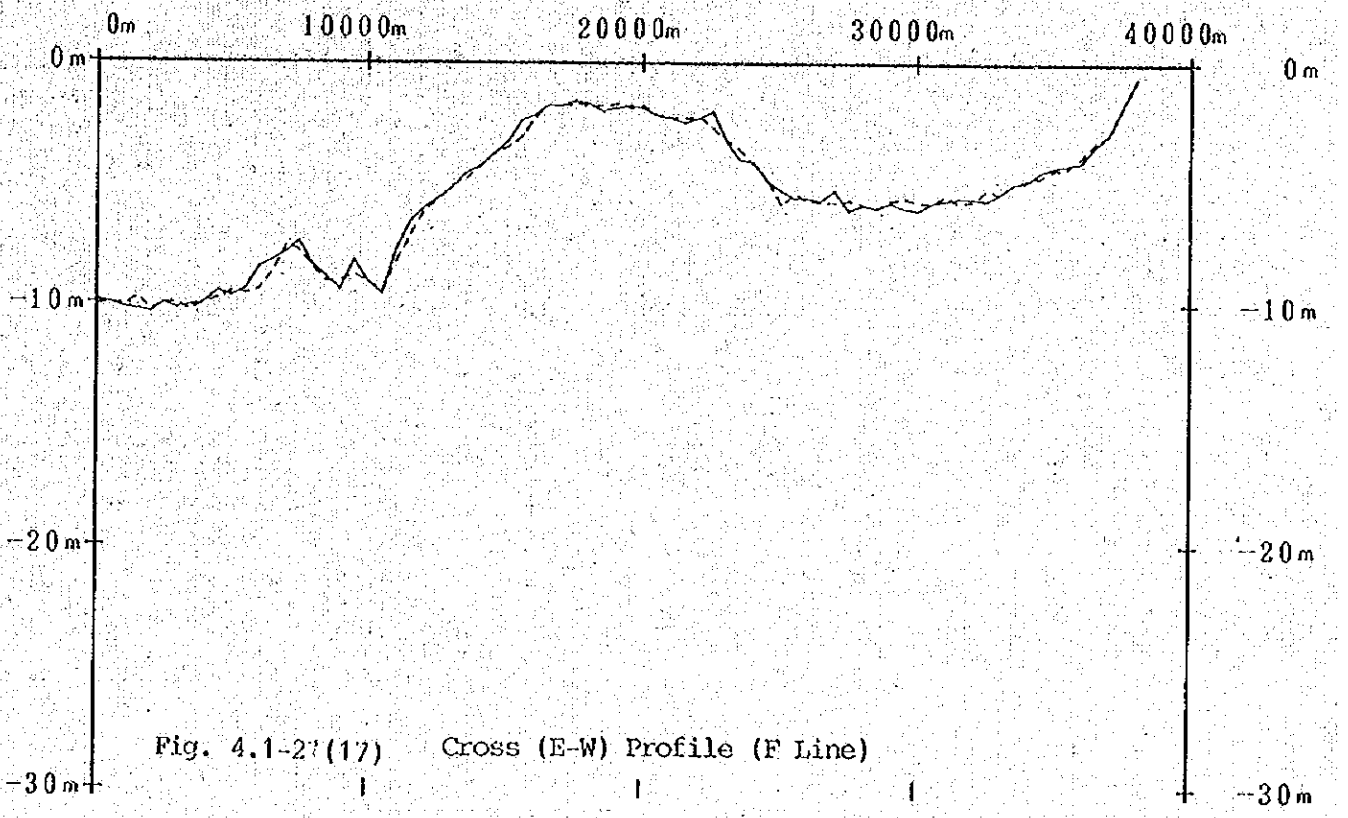
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E



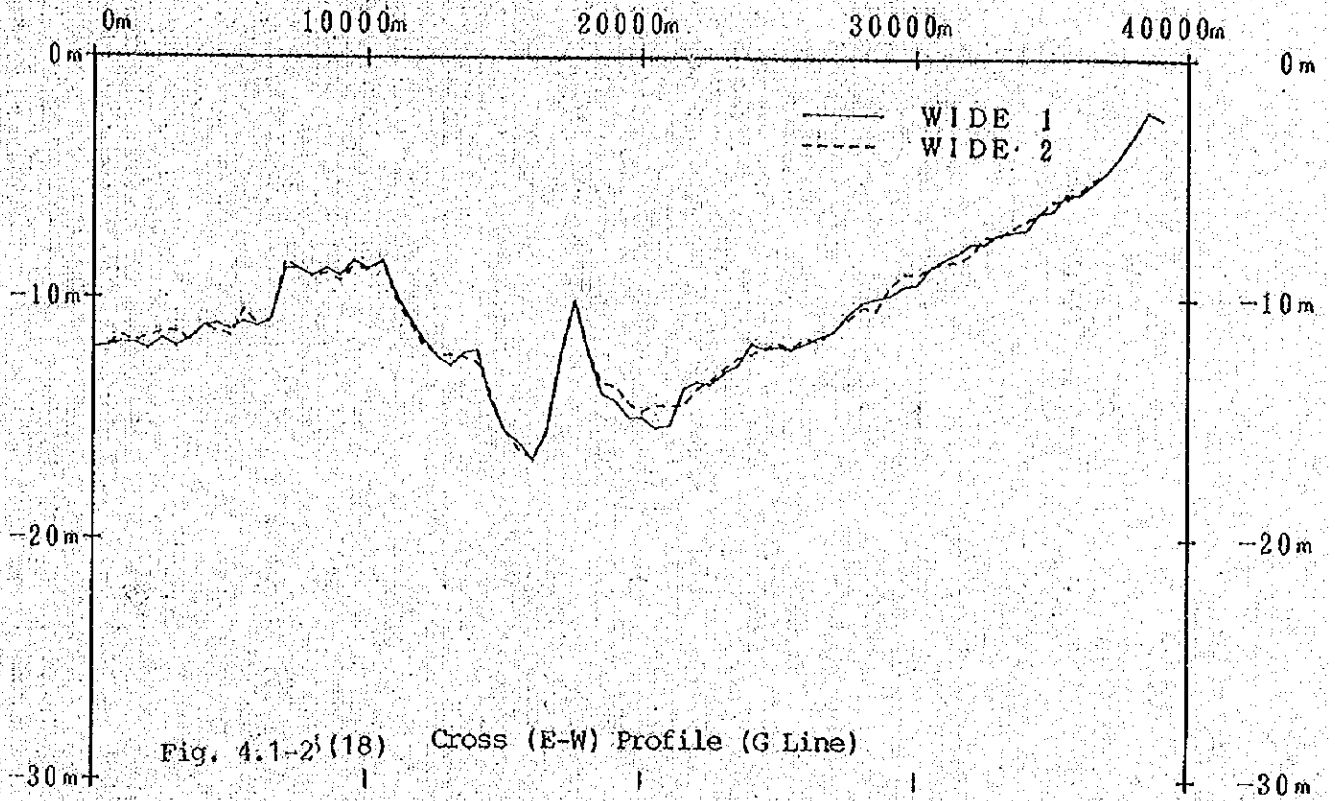
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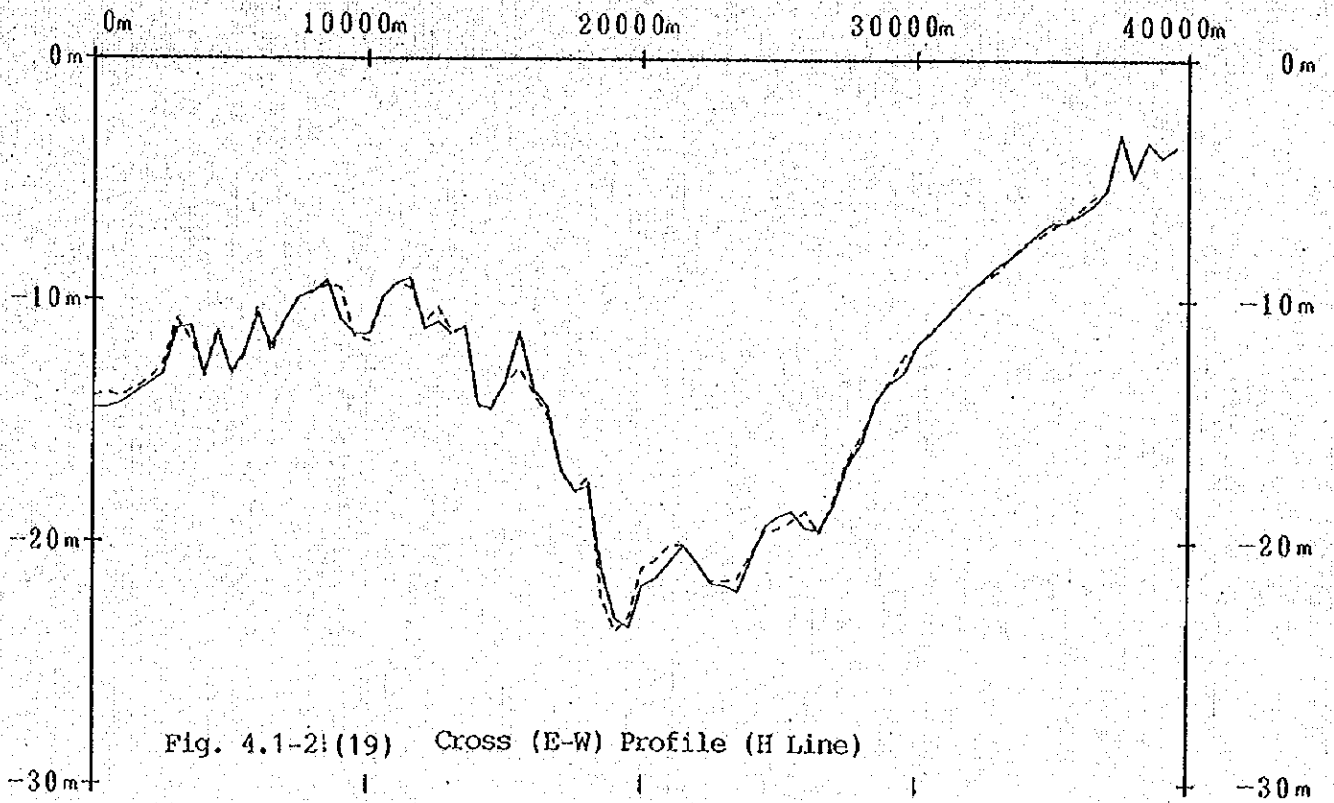
H=1: 26666

V=1: 300

G



H



-382.000

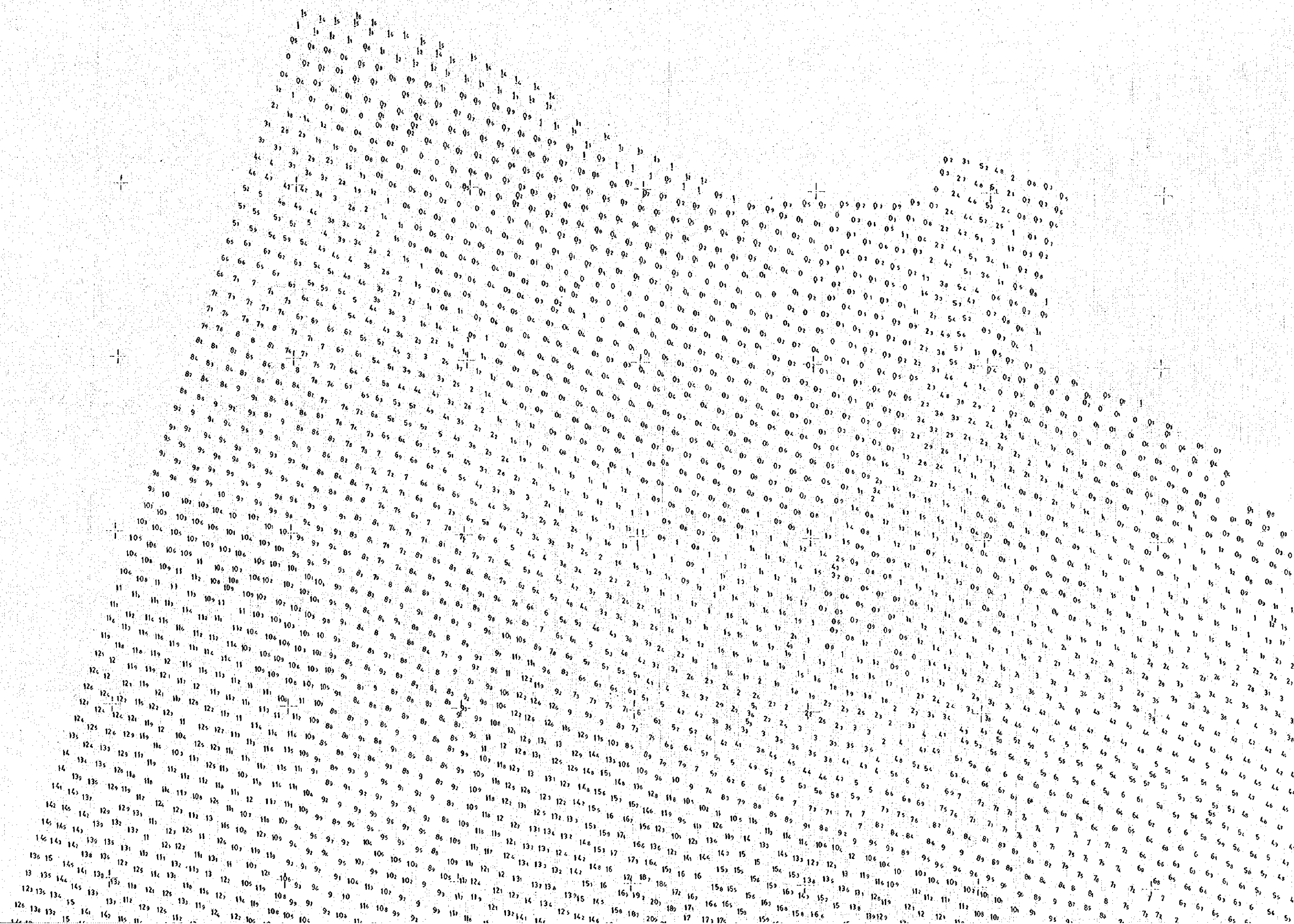
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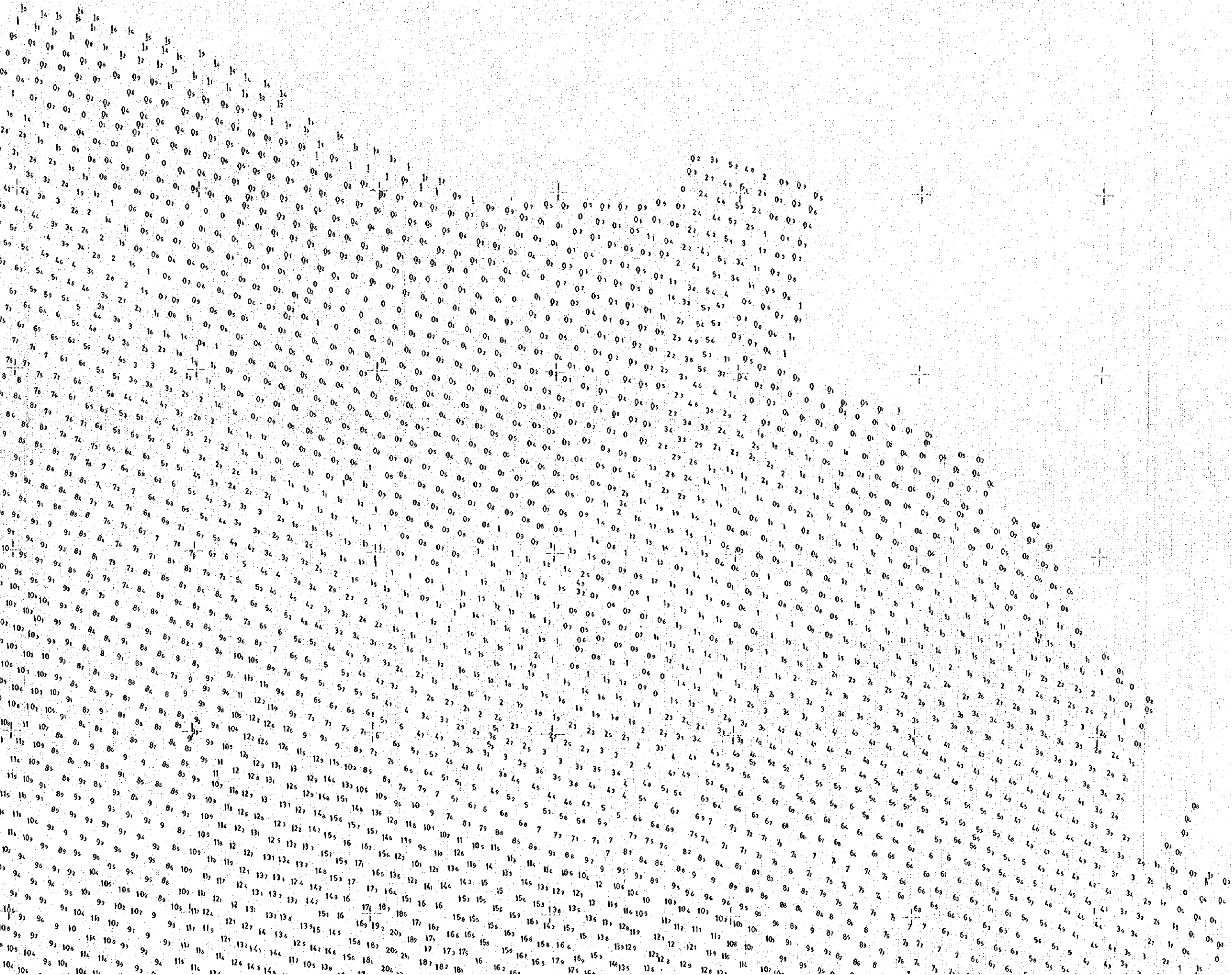
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-397.000

-402.000

-407.000





-397.000

-402.000

-407.000

-412.000

-417.000

Line 01

Line 05

Line 10

Line 15

Line 20

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Line 30

Line 35

Line 40

Line 45

Line 50

Line 55

Line 60

Line 65

Line 70

470.000

475.000

480.000

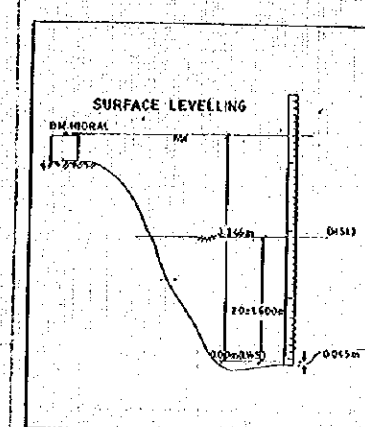
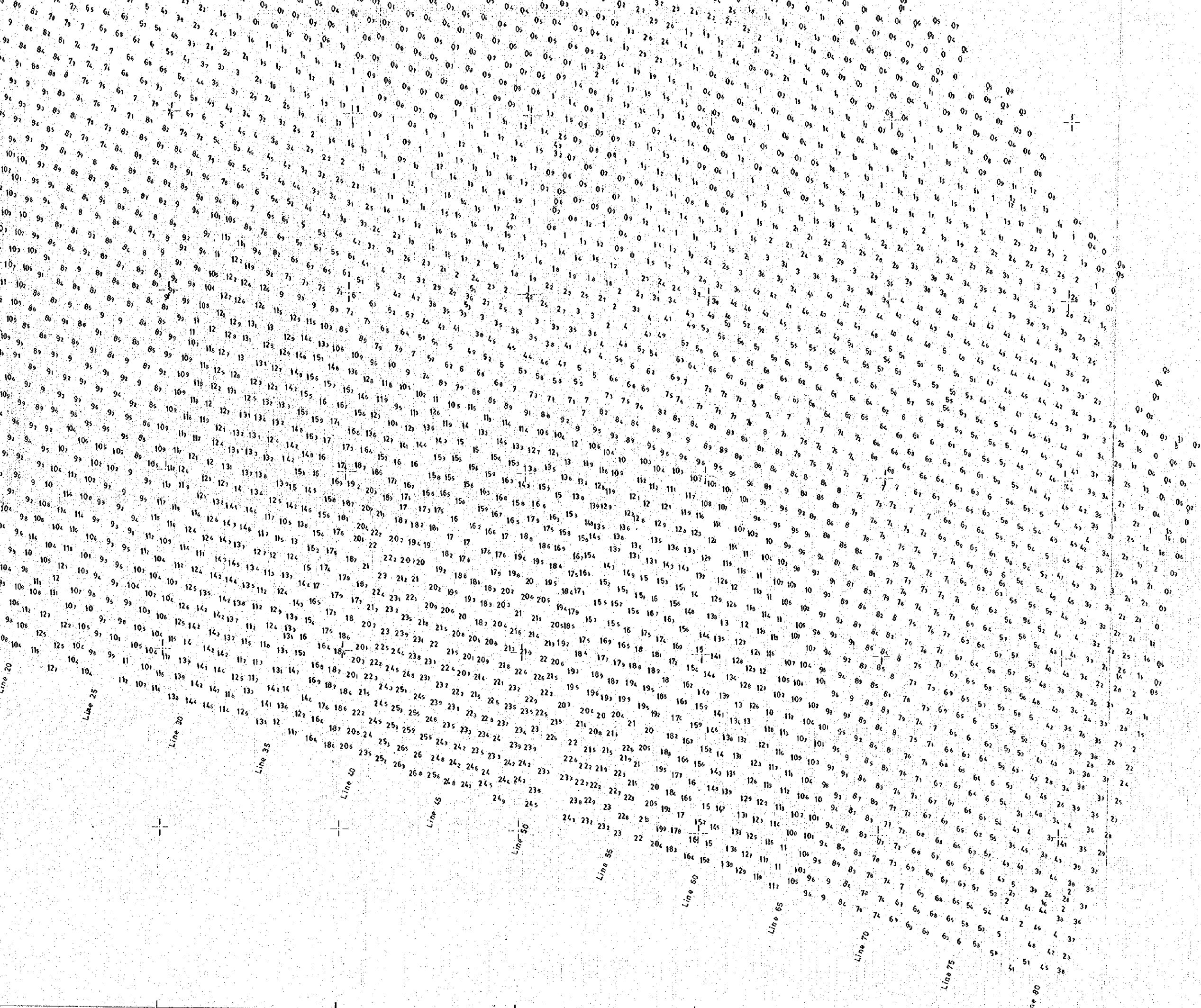
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490.000

495.000

500.000

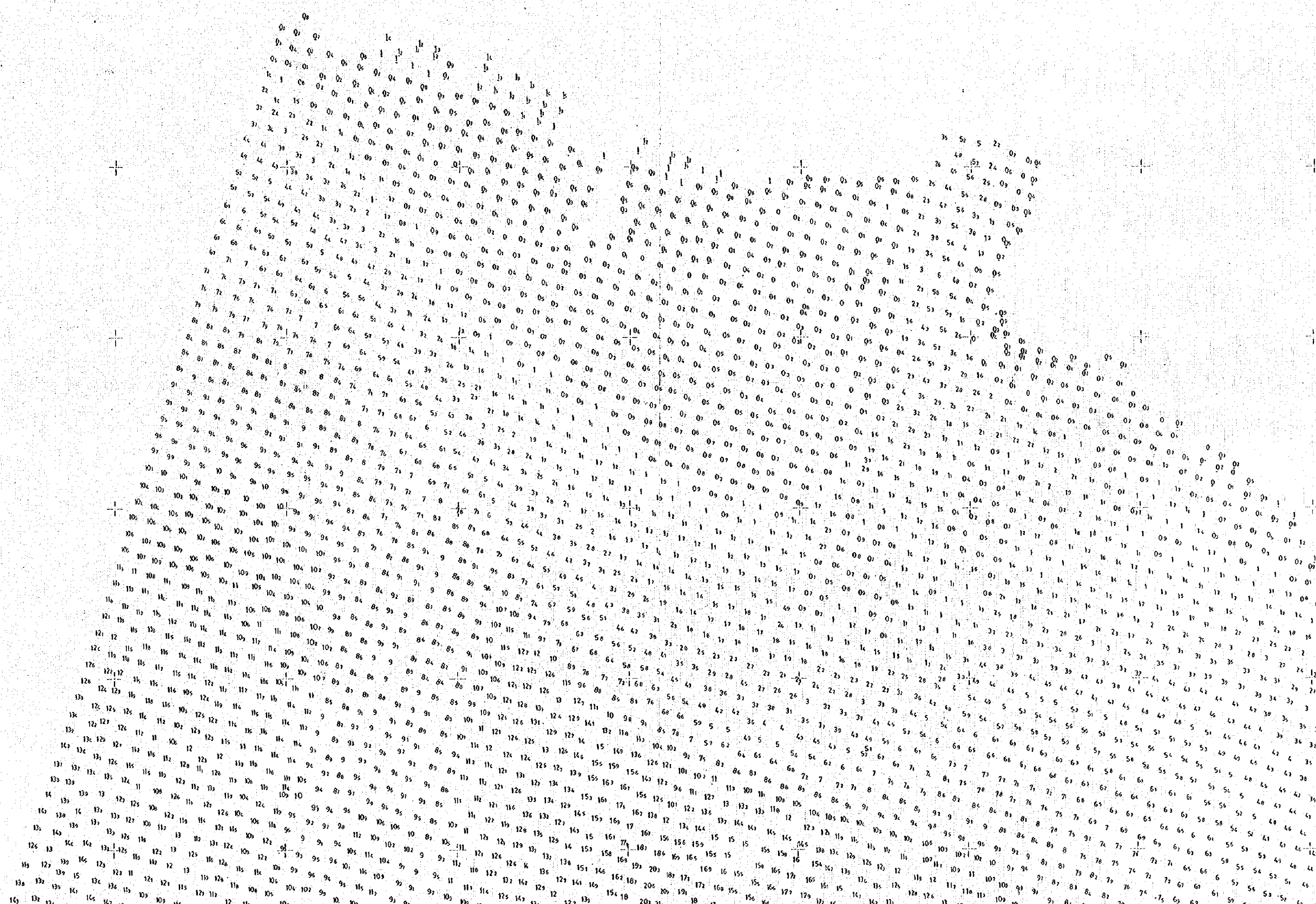
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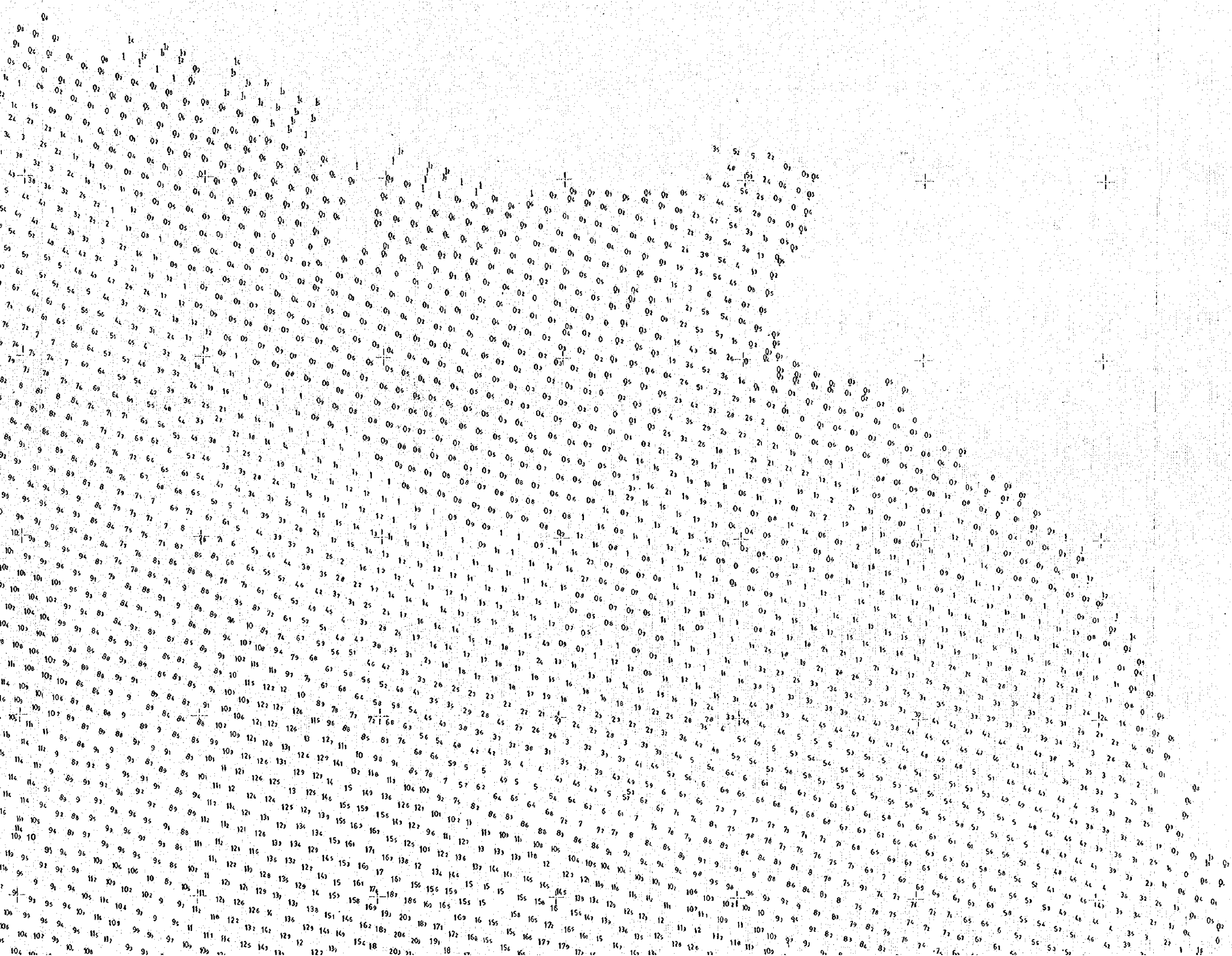
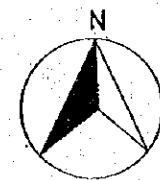


REV.	DESCRIPTION	BY	DATE
JICA JAPAN INTERNATIONAL COOPERATION AGENCY			
GEODATA BERLIAN CENTRE p.t.			
OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT			
DRAWN BY: ECHO SOUNDING WIDE AREA			
SCALE: 1 : 50000			
DRAWN BY: Emom Purnomo		CHECKED BY:	
DESIGN BY:		APPROVED BY:	
STAGE: 1 st & 2 nd (19 DEC. 1988 - 31 AUG. 1989)			
DRAWING NO.: 01		REV.	
DATHYMETRIC MAP		L75 - L81 TRACED FROM STAGE 2 nd	

485.000 490.000 495.000 500.000 505.000 510.000 515.000 520.000

-380.000
-382.000
-387.000
-392.000
-397.000
-402.000
-407.000





-397.000

-402.000

-407.000

-412.000

-417.000

-422.000

470000

475000

480000

485000

490000

495000

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505000

Line 01

Line 05

Line 10

Line 15

Line 20

Line 25

Line 30

Line 35

Line 40

Line 45

Line 50

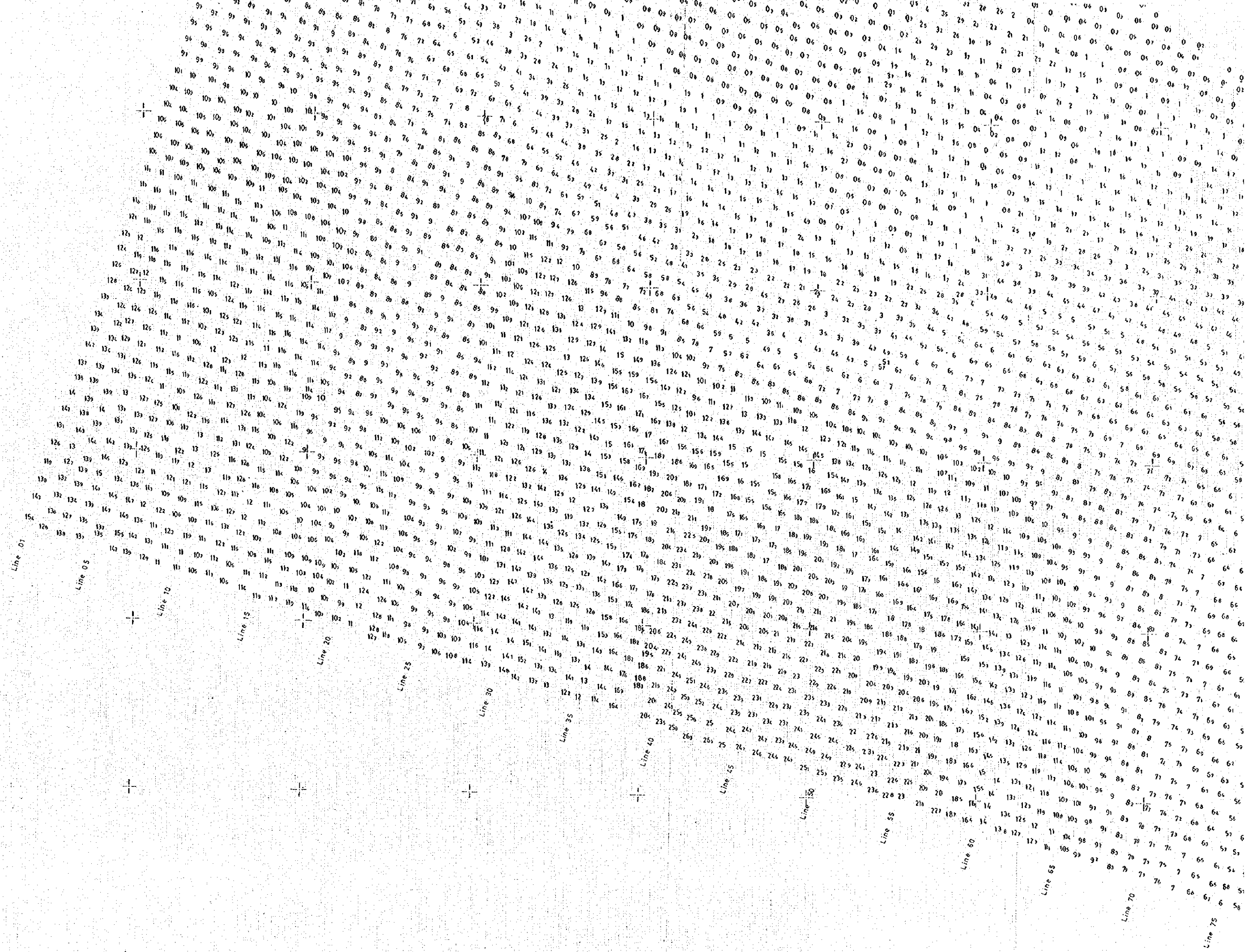
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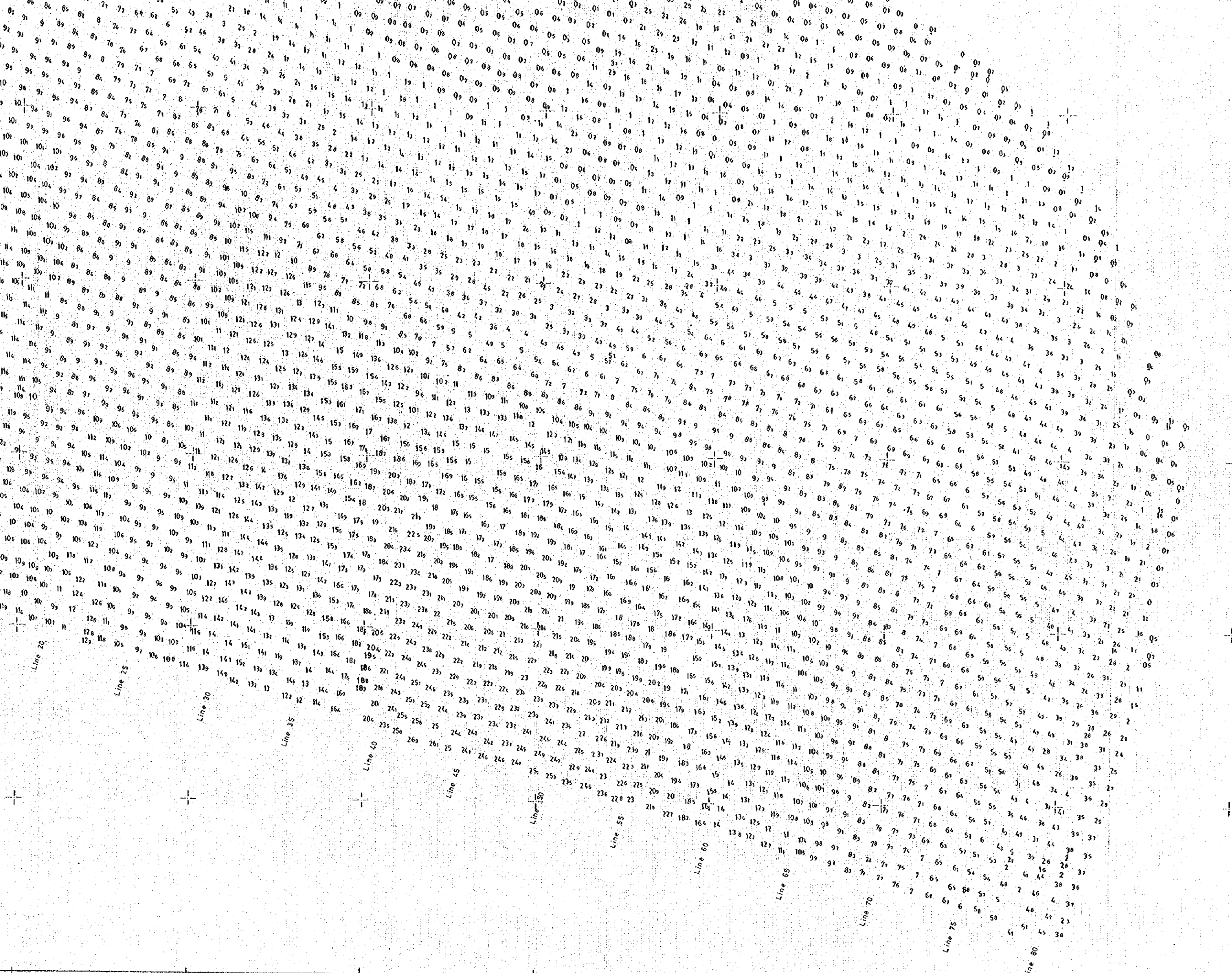
Line 60

Line 65

Line 70

Line 75





SURFACE LEVELLING

REV.	DESCRIPTION	BY	DATE
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY</p>			
<p>GEODATA BERLIAN CENTRE p.l.</p>			
<p>OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT</p>			
<p>DRAWING TITLE: ECHO SOUNDING WIDE AREA</p>			
<p>SCALE: 1:50,000</p>			
DRAWN BY: Umam Purwono		CHECKED BY:	
DESIGN BY:		APPROVED BY:	
<p>STAGE: 2nd (16 JUNI - 1 SEPT 1982)</p>			
DRAWING NO. 02			REV.
<p>BATHYMETRIC MAP</p>			

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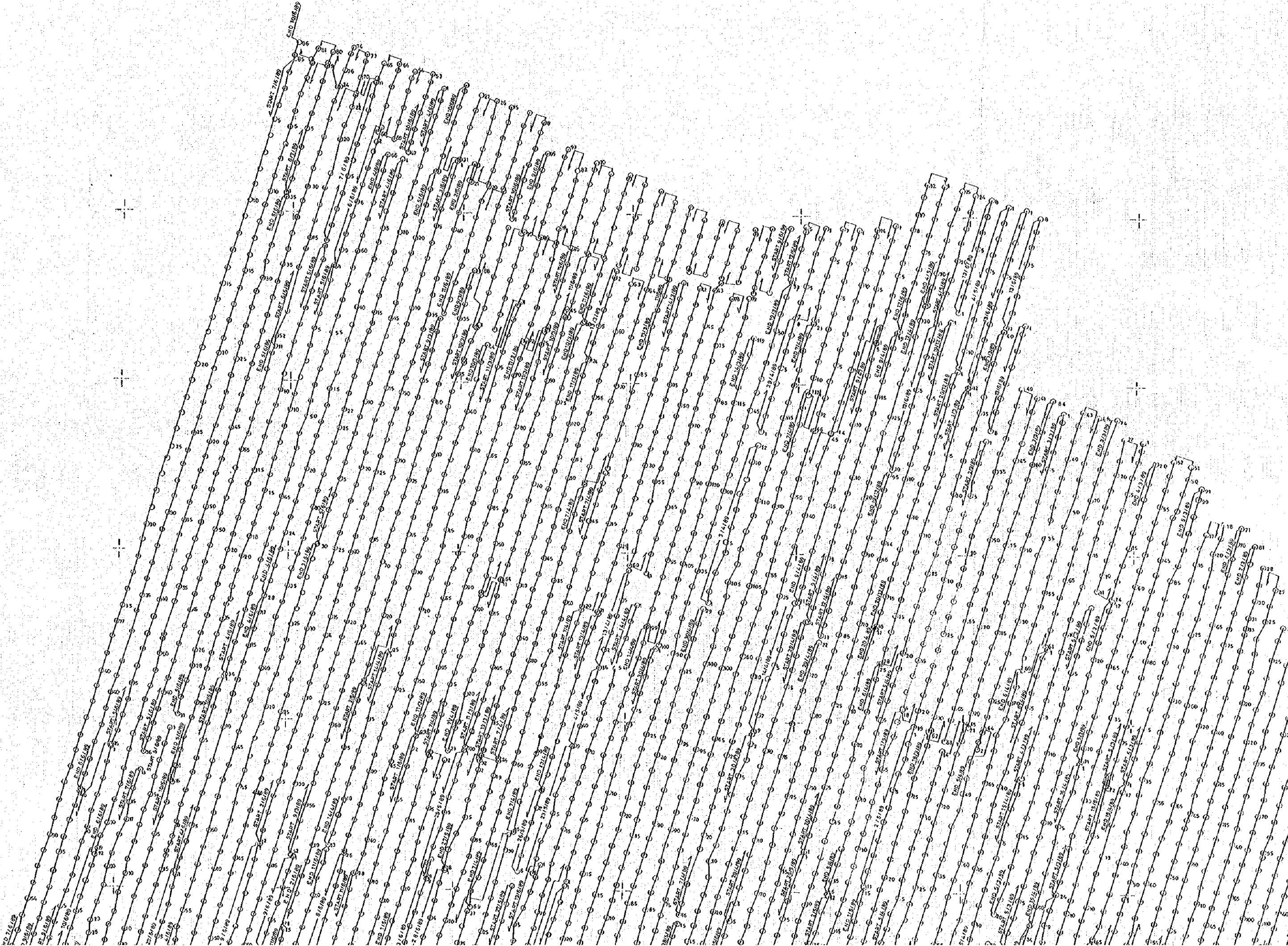
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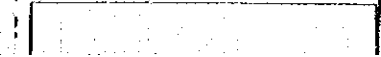
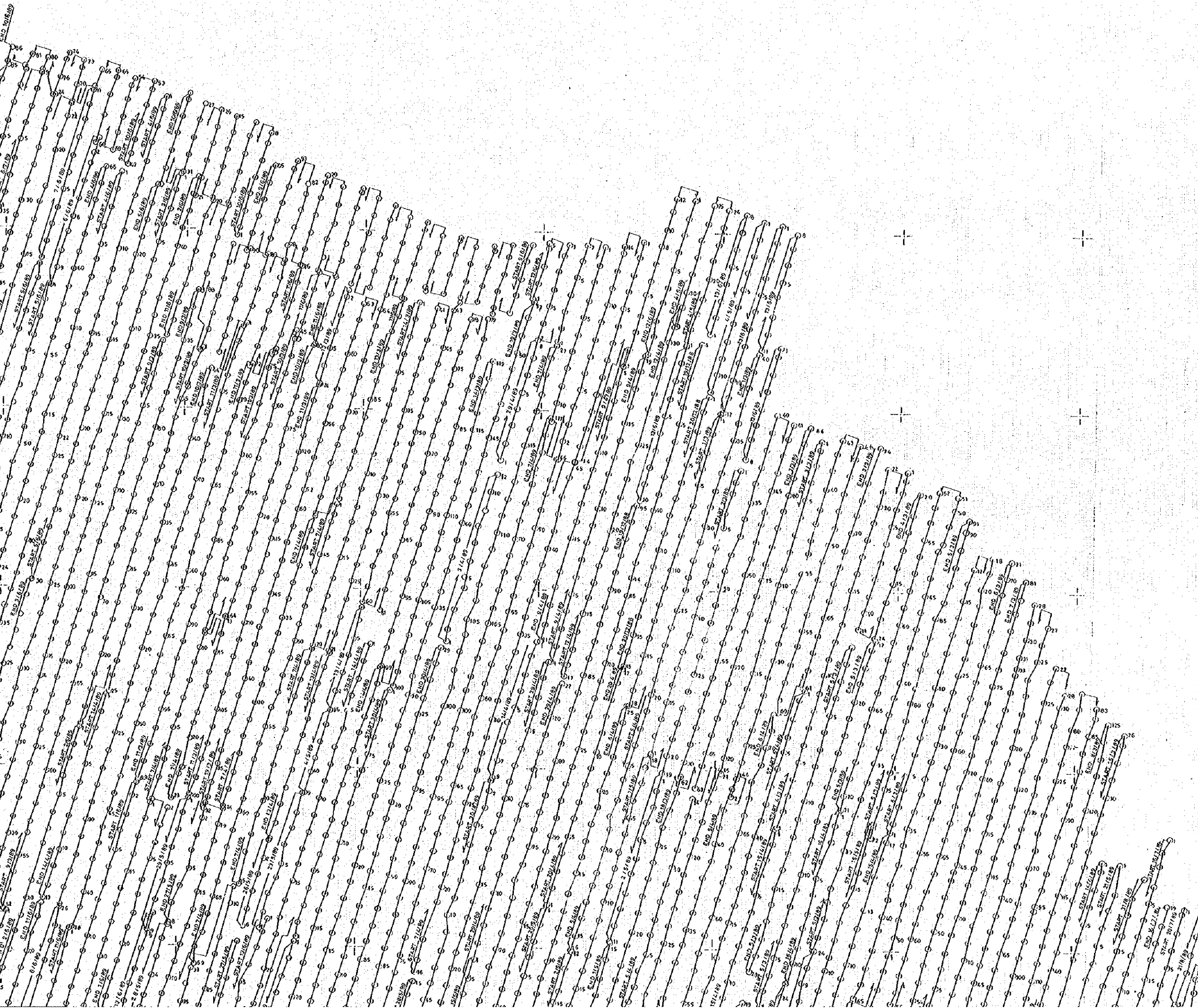
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-397.000

-402.000

-407.000





-397.000

-402.000

-407.000

-412.000

-417.000

470.000

475.000

480.000

485.000

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505.000

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LINE 05

LINE 10

LINE 15

LINE 20

LINE 25

LINE 30

LINE 35

LINE 40

LINE 45

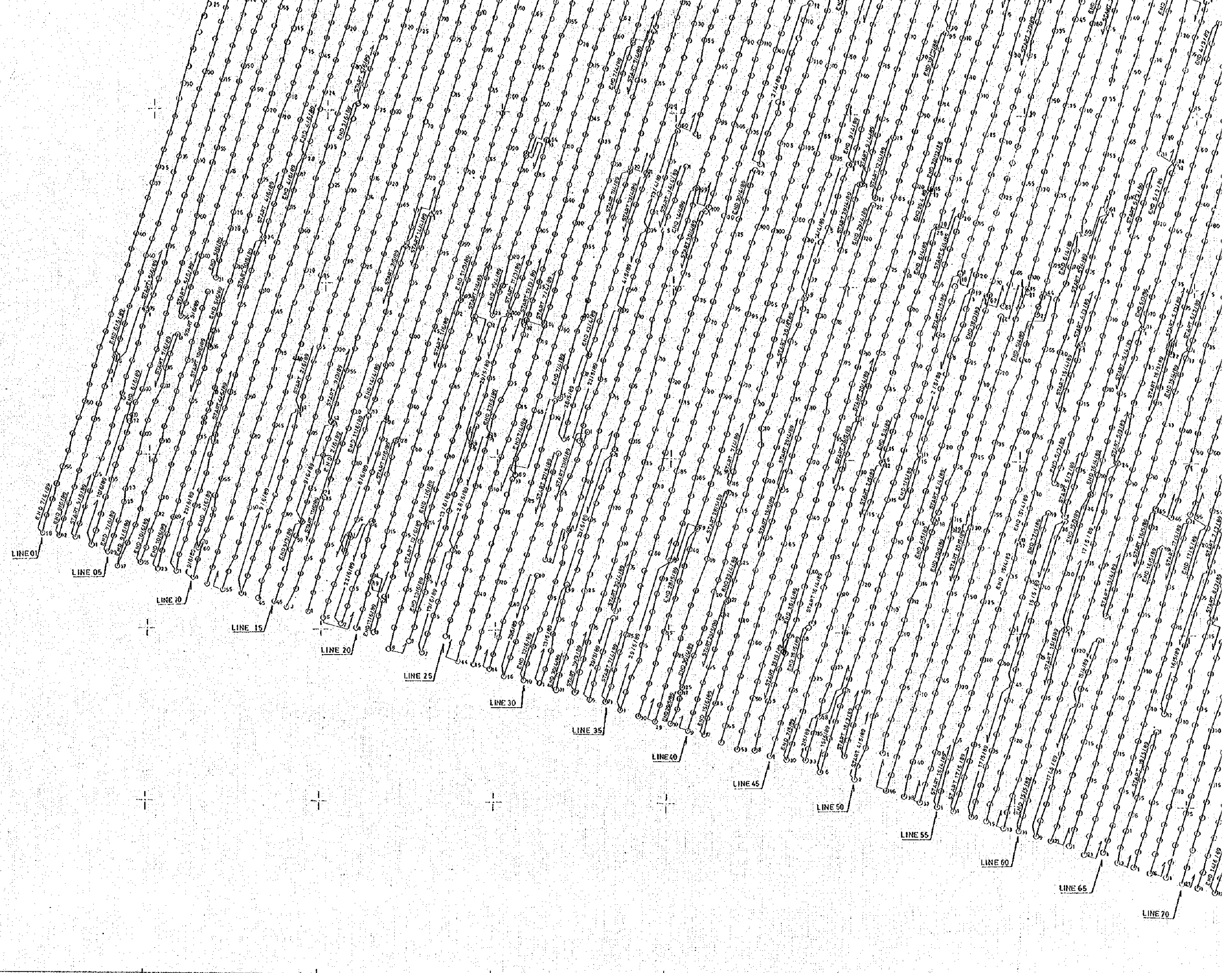
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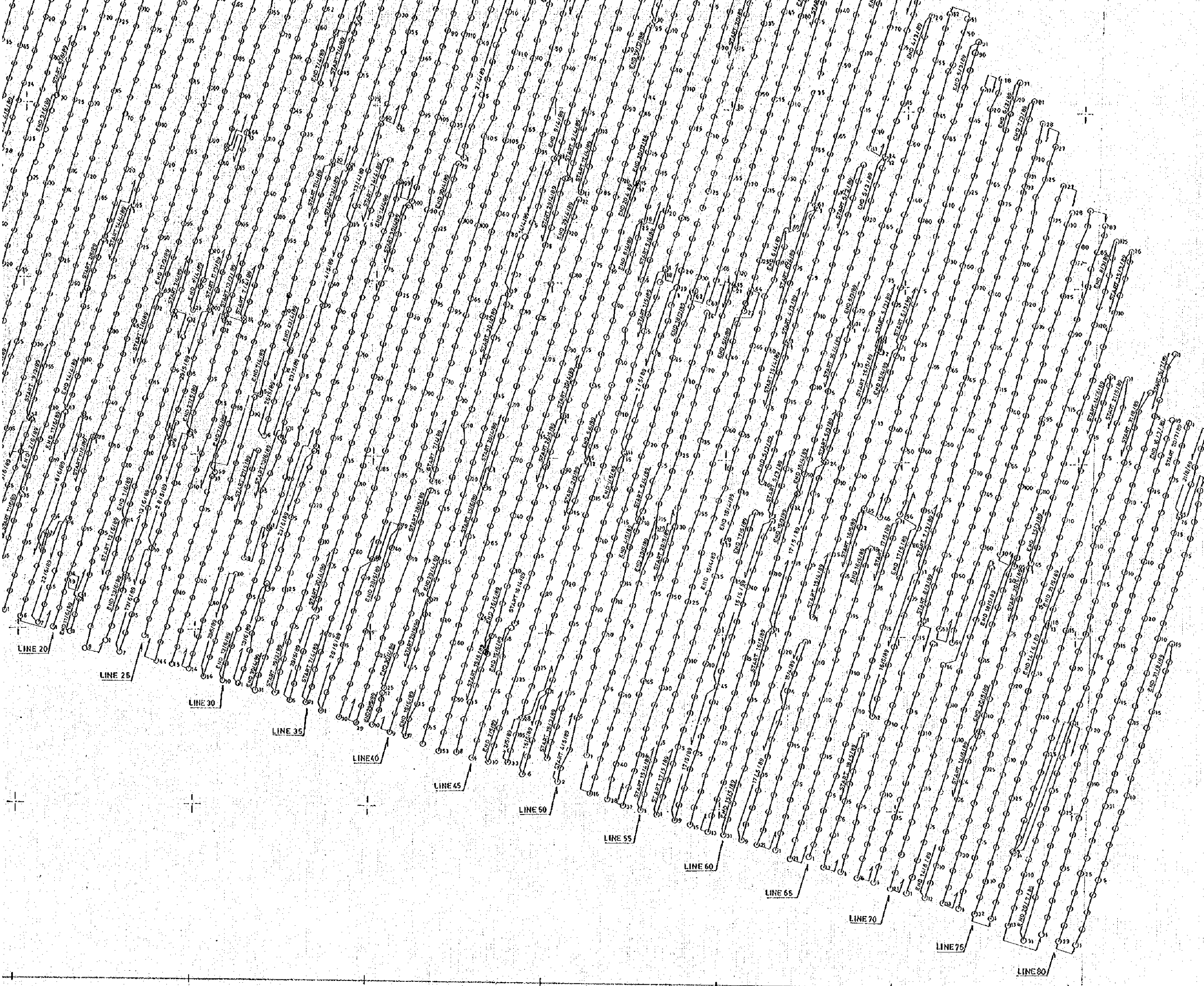
LINE 55

LINE 60

LINE 65

LINE 70





SURFACE LEVELLING

REV.	DESCRIPTION	BY	DATE
JICA JAPAN INTERNATIONAL COOPERATION AGENCY			
GEODATA BERLIAN CENTRE p.t.			
OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT			
DRAWING TITLE:			
ECHO SOUNDING WIDE AREA			
SCALE 1:50,000			
DRAWN BY: ODINGS		CHECKED BY: P. HANOHAN	
DESIGN BY: J. DENIE		APPROVED BY:	
STAGE: 1st & 2nd (19 Dec 1988 - 31 Aug 1989)			
DRAWING NO. 01		REV.	
TRACKING MAP		L75 - L84 TRACED FROM STAGE 2nd	

480.000 485.000 490.000 495.000 500.000 505.000 510.000 515.000 520.000

-380.000

-382.000

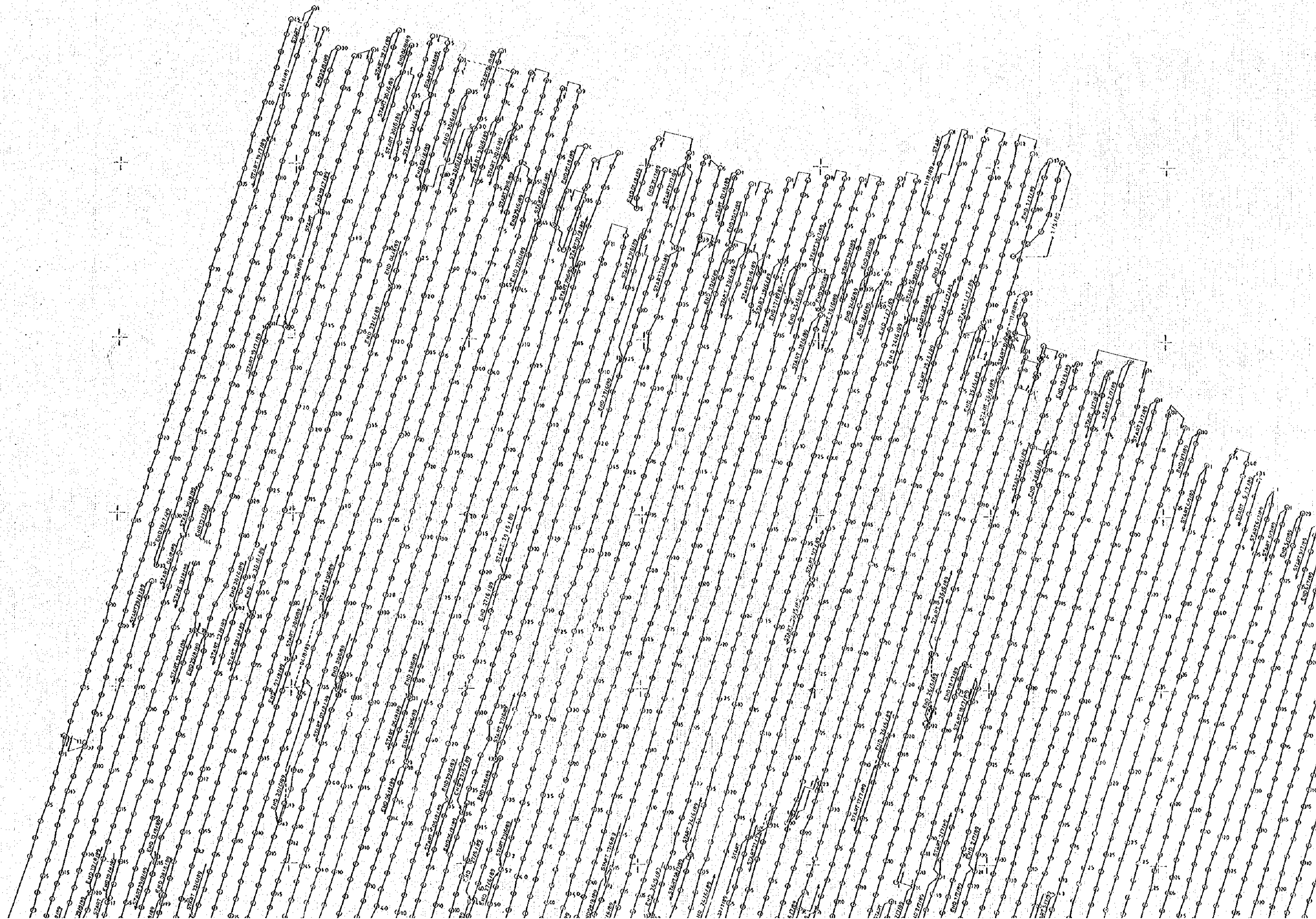
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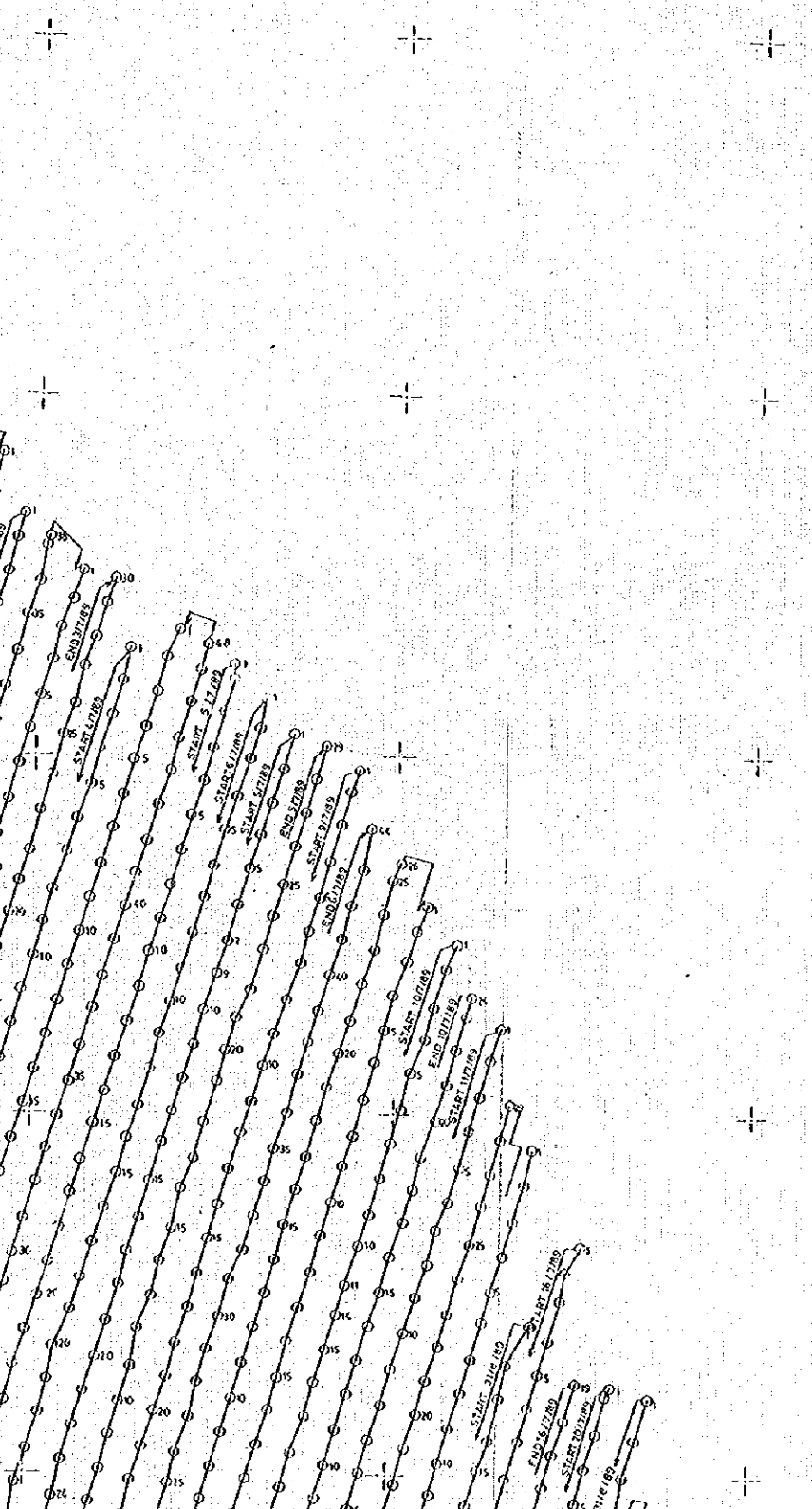
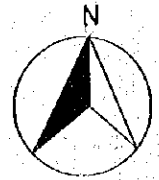
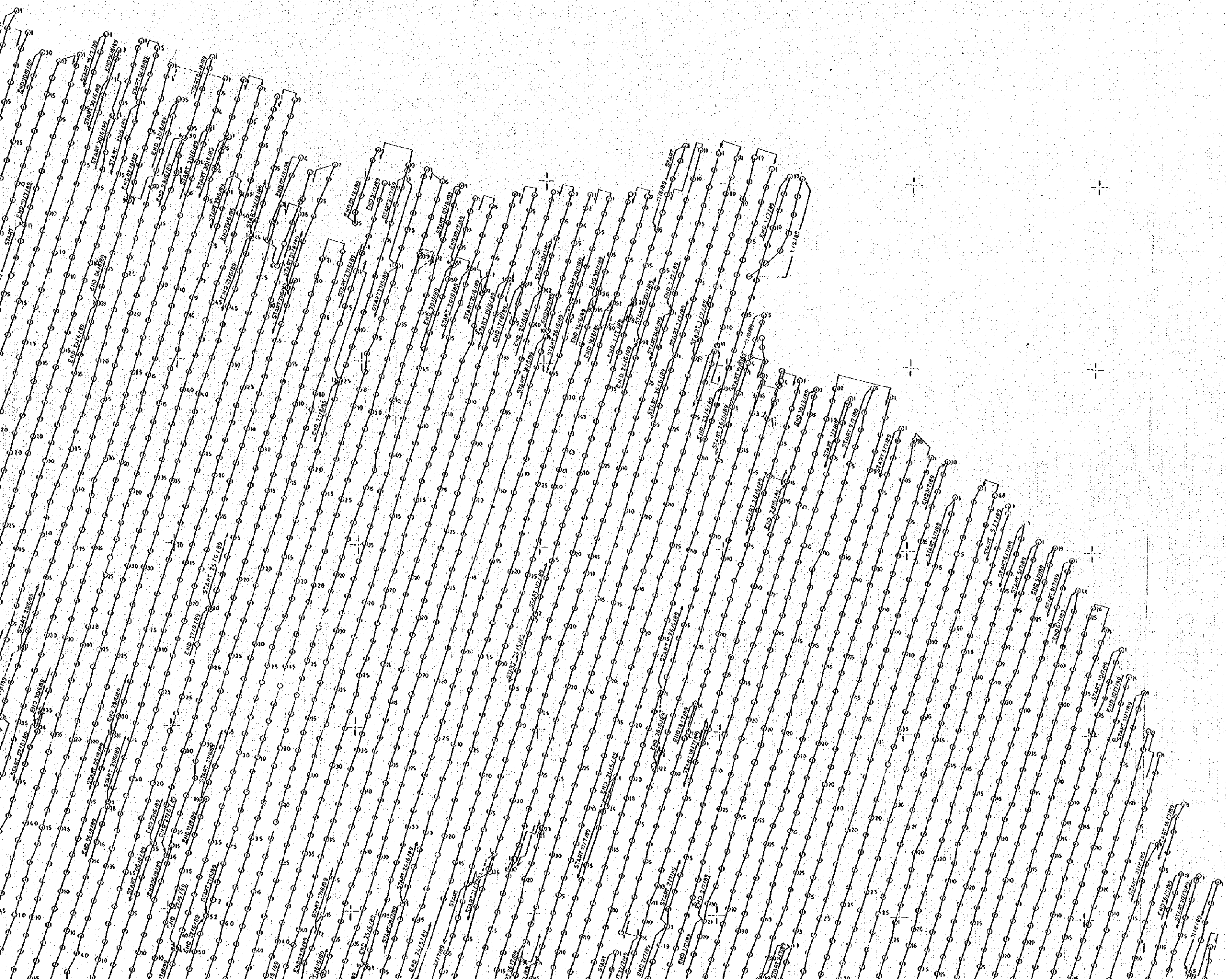
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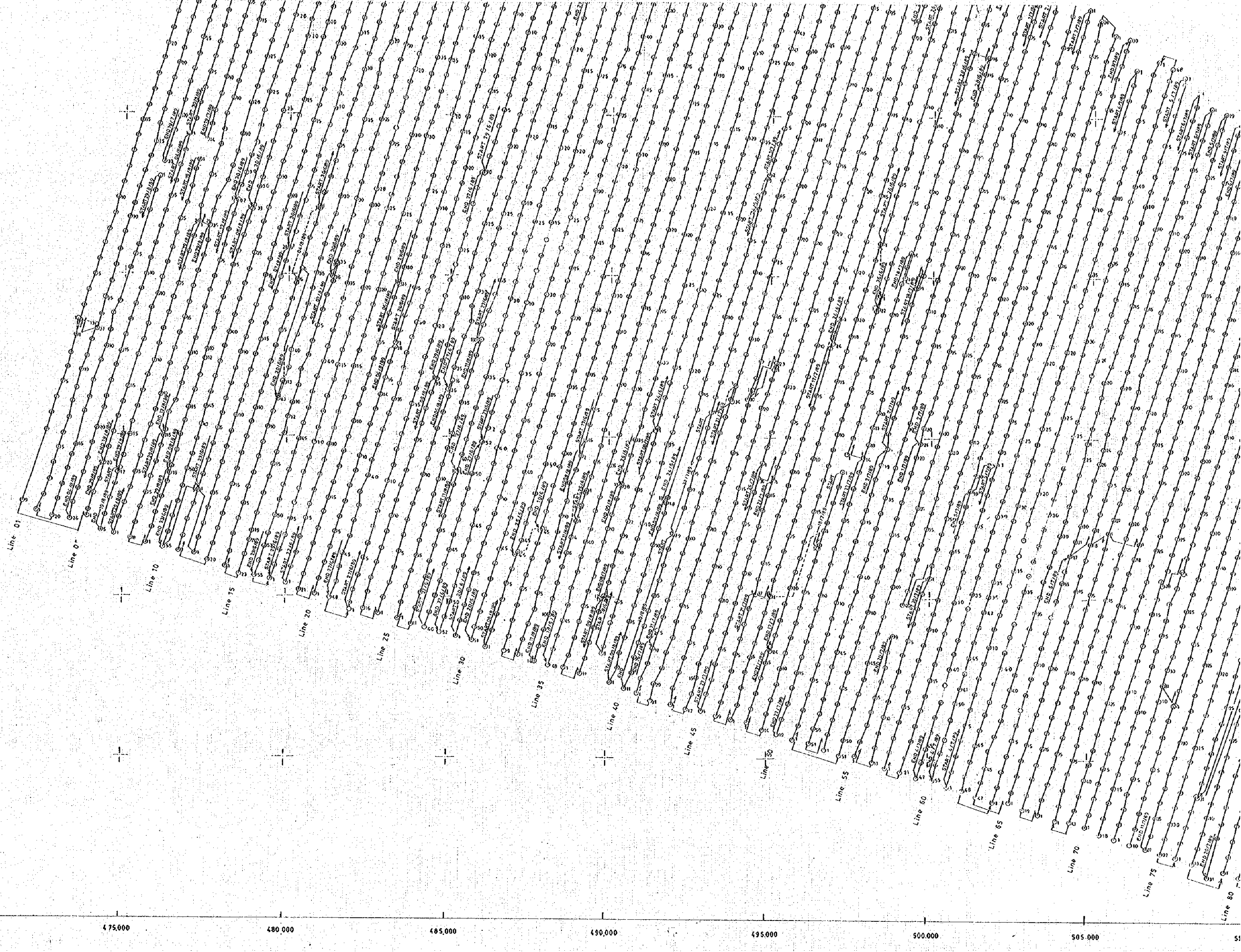
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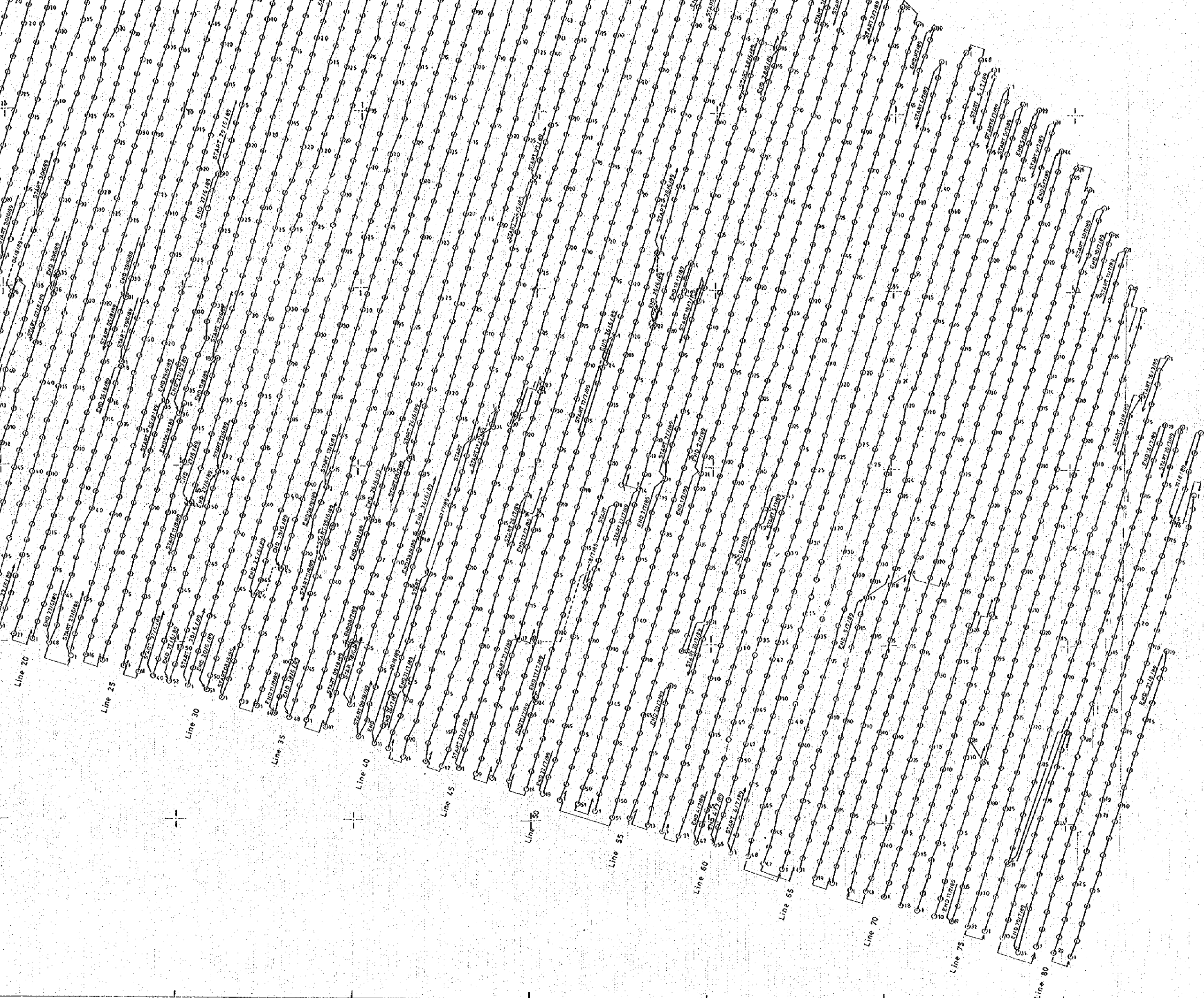




-397,000
-402,000
-407,000
-412,000
-417,000
-422,000

470,000 475,000 480,000 485,000 490,000 495,000 500,000 505,000 510,000

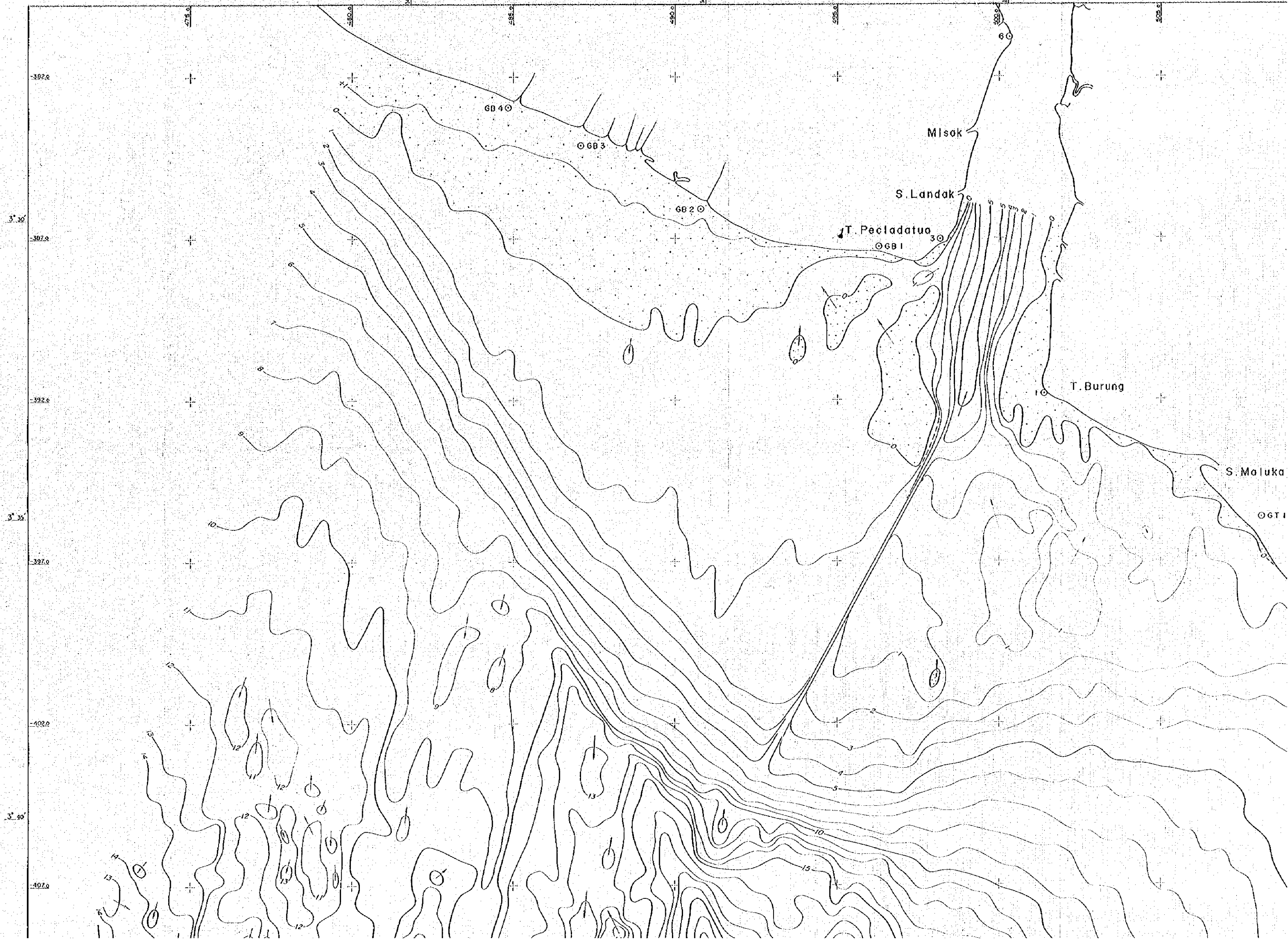




SURFACE LEVELLING

REV.	DESCRIPTION	BY DATE
JICA JAPAN INTERNATIONAL COOPERATION AGENCY		
GEODATA BERLIAN CENTRE p.t.		
OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT		
DRAWING TITLE: ECHO SOUNDING WIDE AREA		
SCALE 1:50,000		
DRAWN BY: Inga Purina	CHECKED BY:	
DESIGN BY:	APPROVED BY:	
STAGE: 2nd (18 JUNI - 1 SEPT 1989)		
DRAWING NO. 02	REV.	
TRACKING MAP		

00 485,000 490,000 495,000 500,000 505,000 510,000 515,000 520,000



392.0

307.0

392.0

397.0

402.0

407.0

104° 30'

104° 45'

105° 00'

105° 15'

105° 30'

105° 45'

106° 00'

Misak

S. Landak

T. Pecladatus

T. Burung

S. Maluka

GB 4

GB 3

GB 2

GB 1

GB T

1

2

3

4

5

6

7

8

9

10

11

12

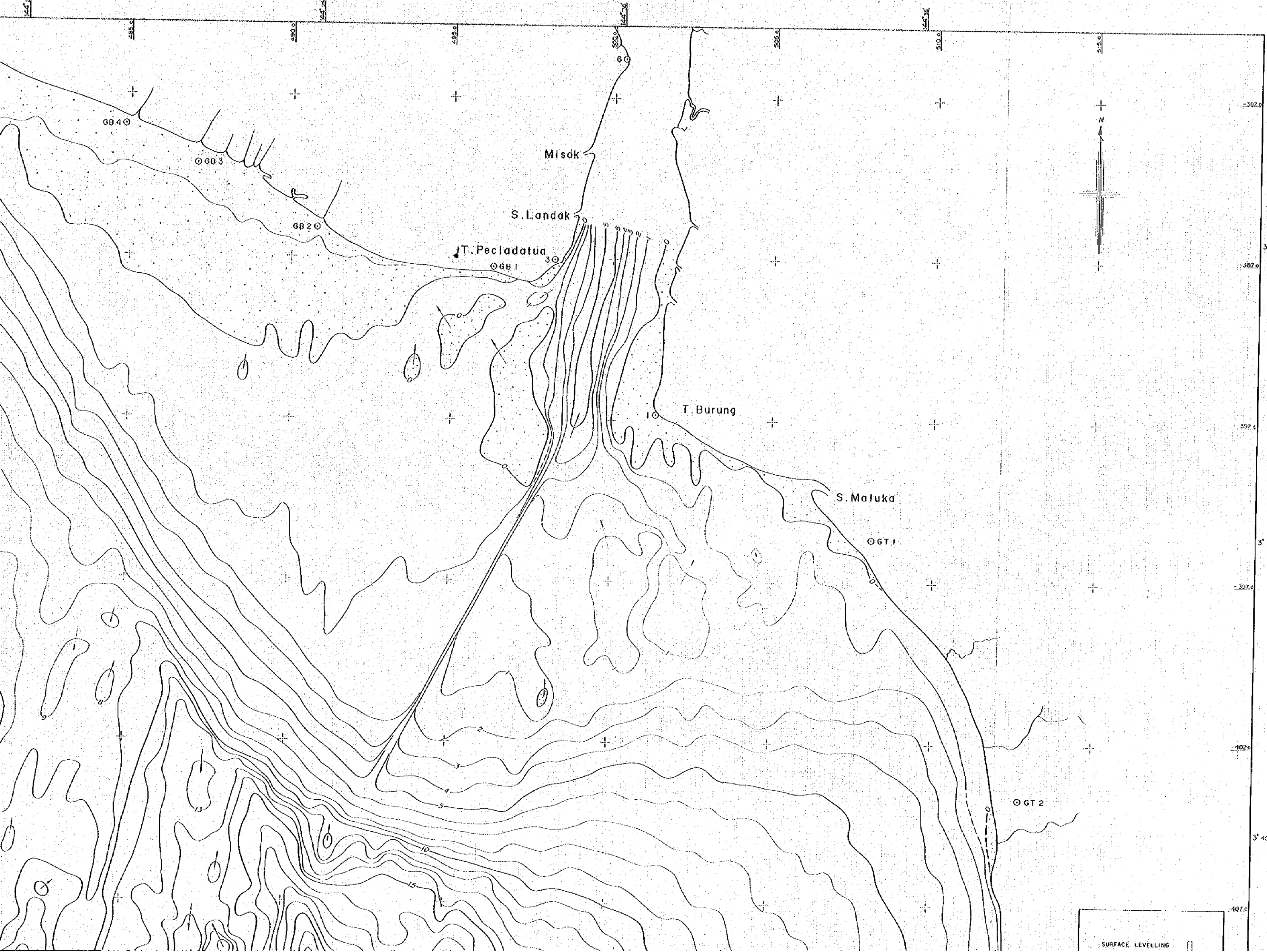
13

14

15

10

15



SURFACE LEVELLING

3° 35'

-392.0

-402.0

3° 40'

-407.0

-412.0

-417.0

475.0

480.0

485.0

490.0

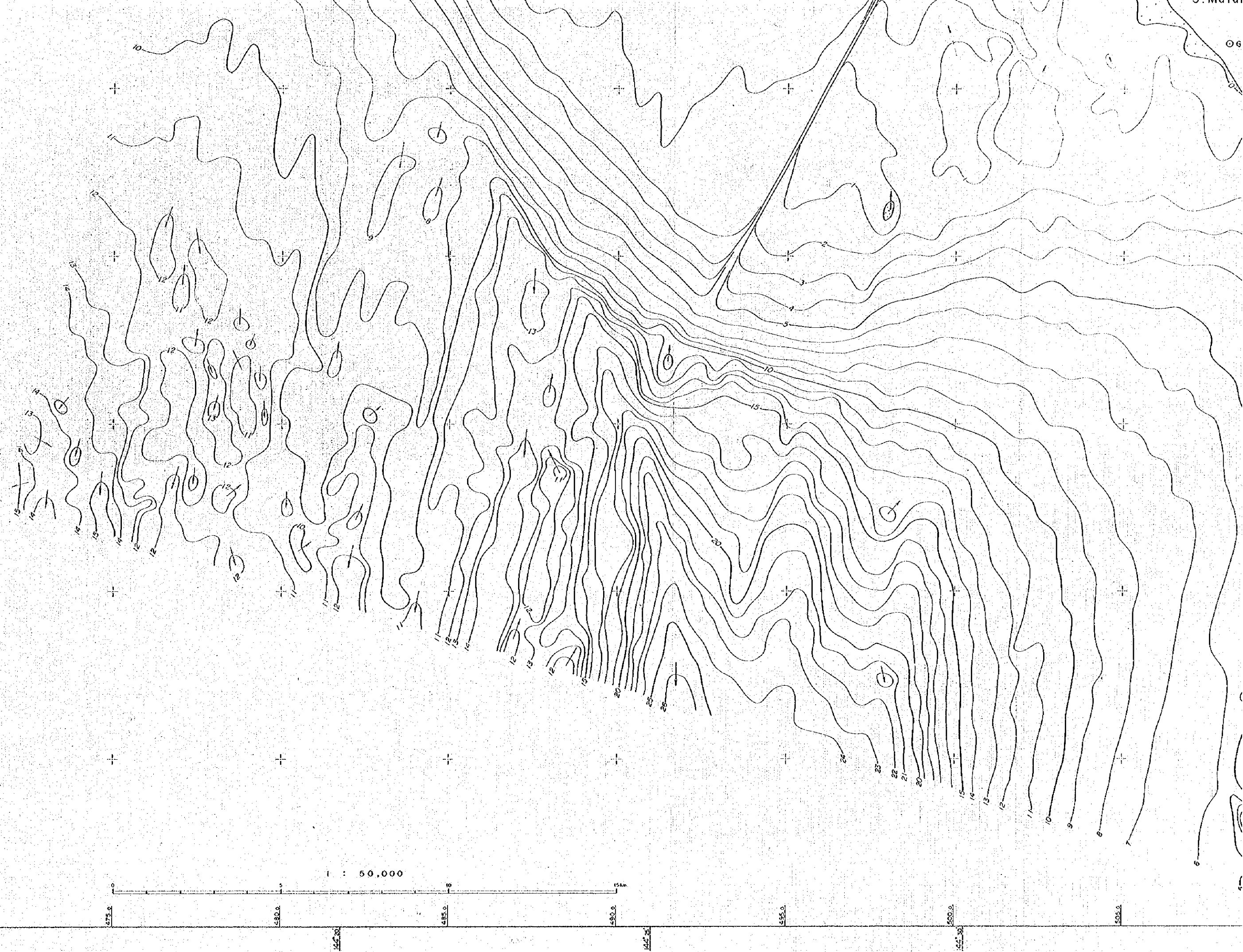
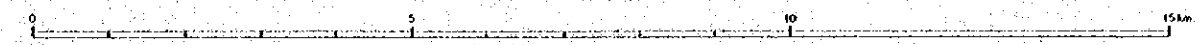
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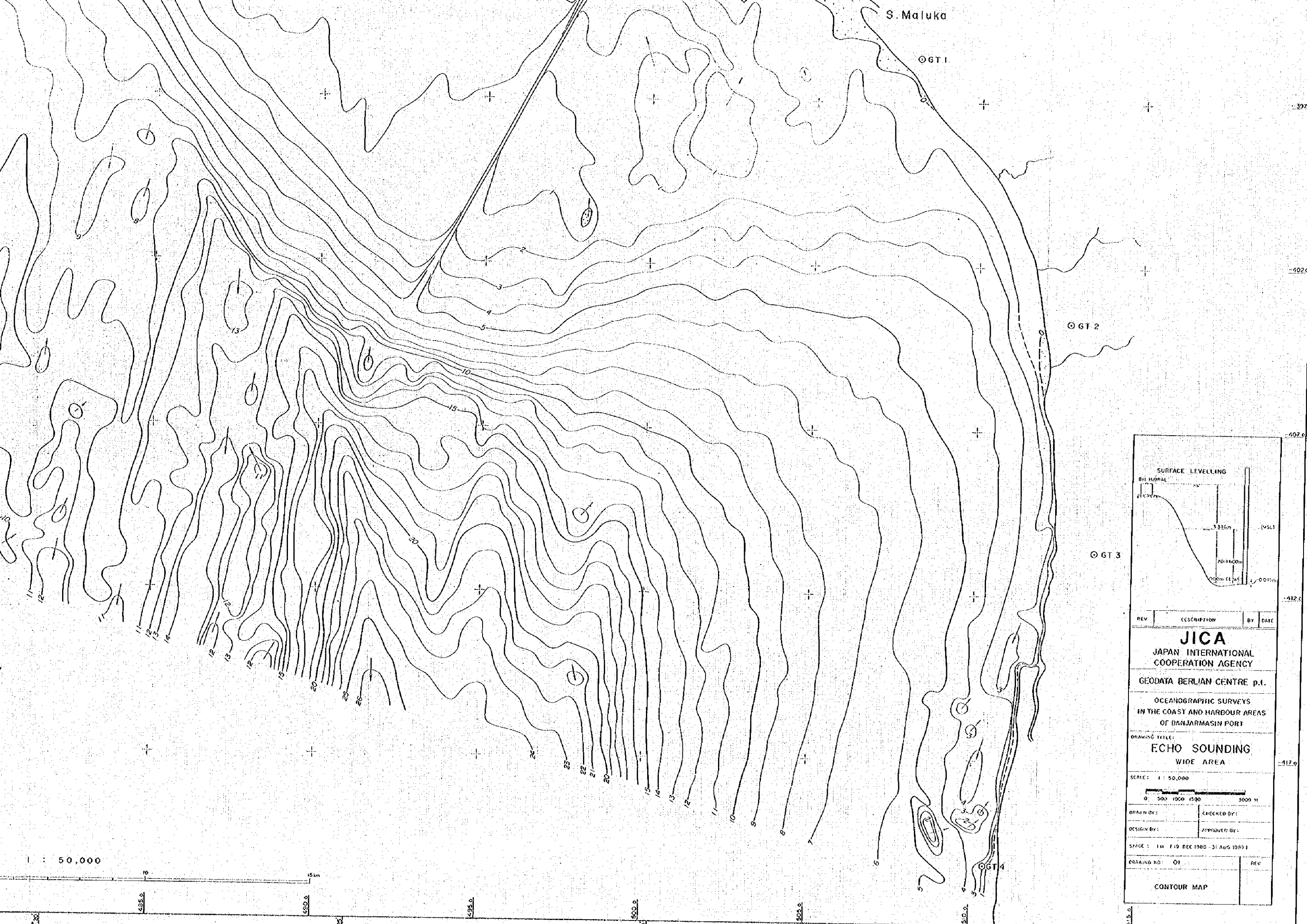
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505.0

510.0

1 : 50,000





3° 35'

-397.0

-402.0

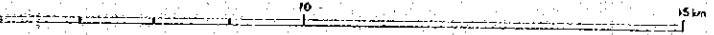
3° 40'

-407.0

-412.0

-417.0

1 : 50,000



SURFACE LEVELLING

REV	DESCRIPTION	BY	DATE
JICA			
JAPAN INTERNATIONAL COOPERATION AGENCY			
GEO DATA BERLIAN CENTRE p.l.			
OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT			
DRAWING TITLE:			
ECHO SOUNDING			
WIDE AREA			
SCALE: 1 : 50,000			
DRAWN BY:		CHECKED BY:	
DESIGN BY:		APPROVED BY:	
STAGE: 1st F19 DEC 1980 - 31 AUG 1981			
DRAWING NO: 01		REV	
CONTOUR MAP			

S. Maluka

OGT 1

OGT 2

OGT 3

OGT 4

145.20

145.50

145.80

146.10

146.40

146.70

147.00

147.30

11

12

13

14

15

20

25

10

15

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24

25

22

21

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15

14

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12

11

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8

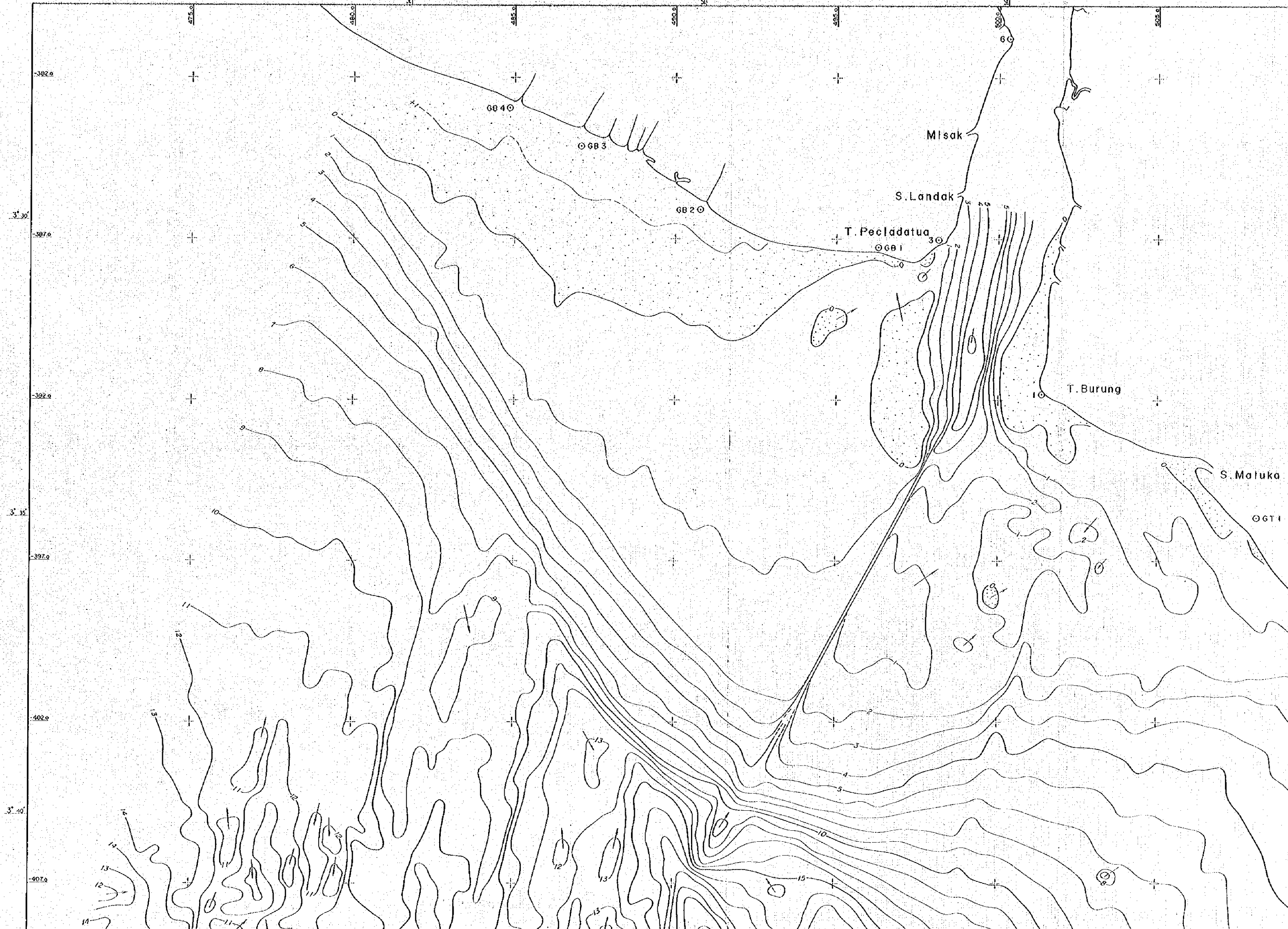
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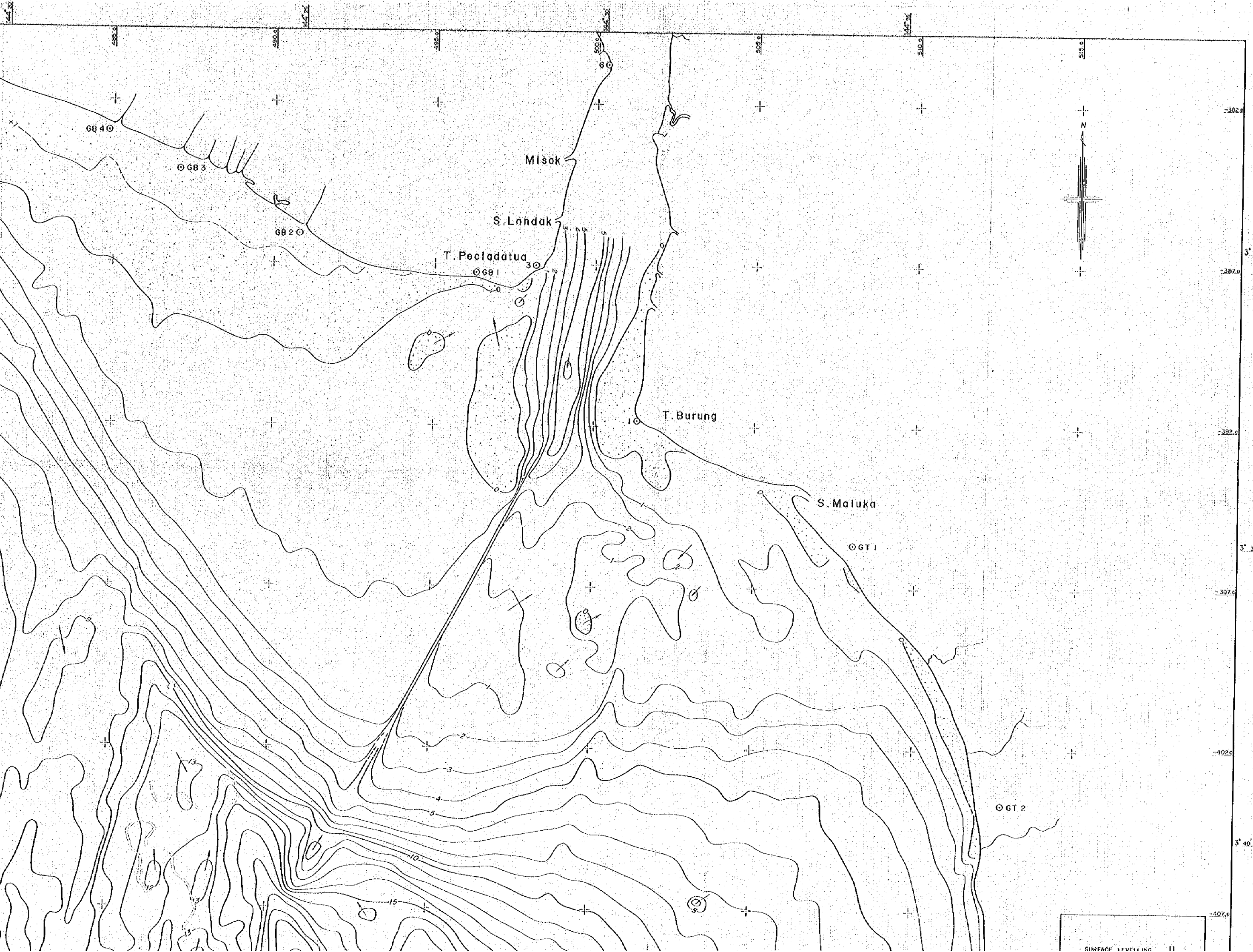
147.30

147.30

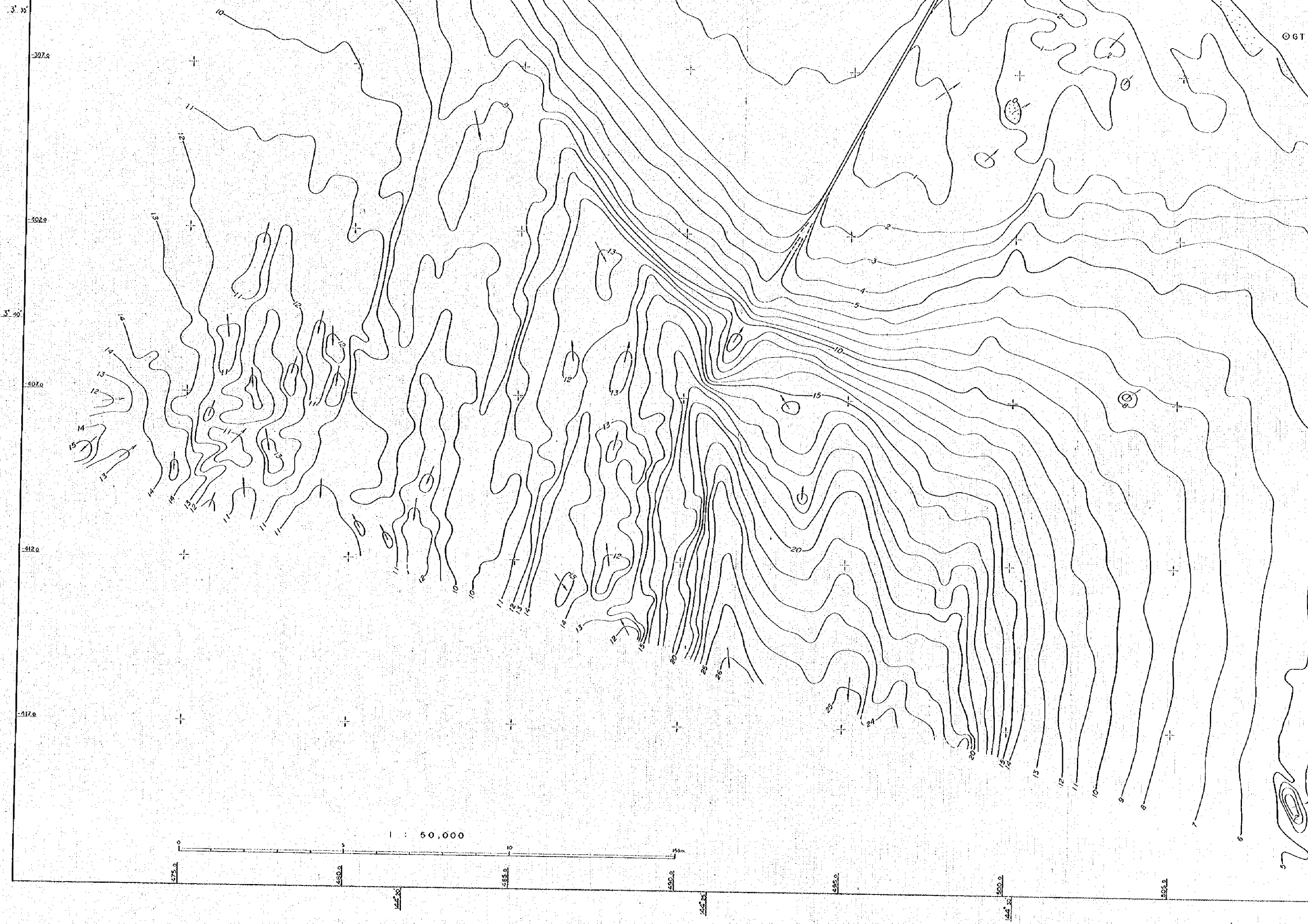
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147.60

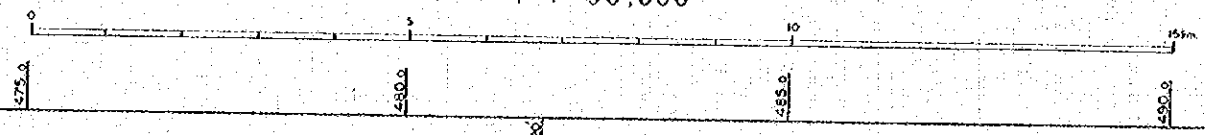


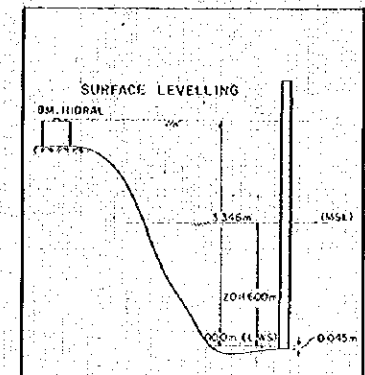
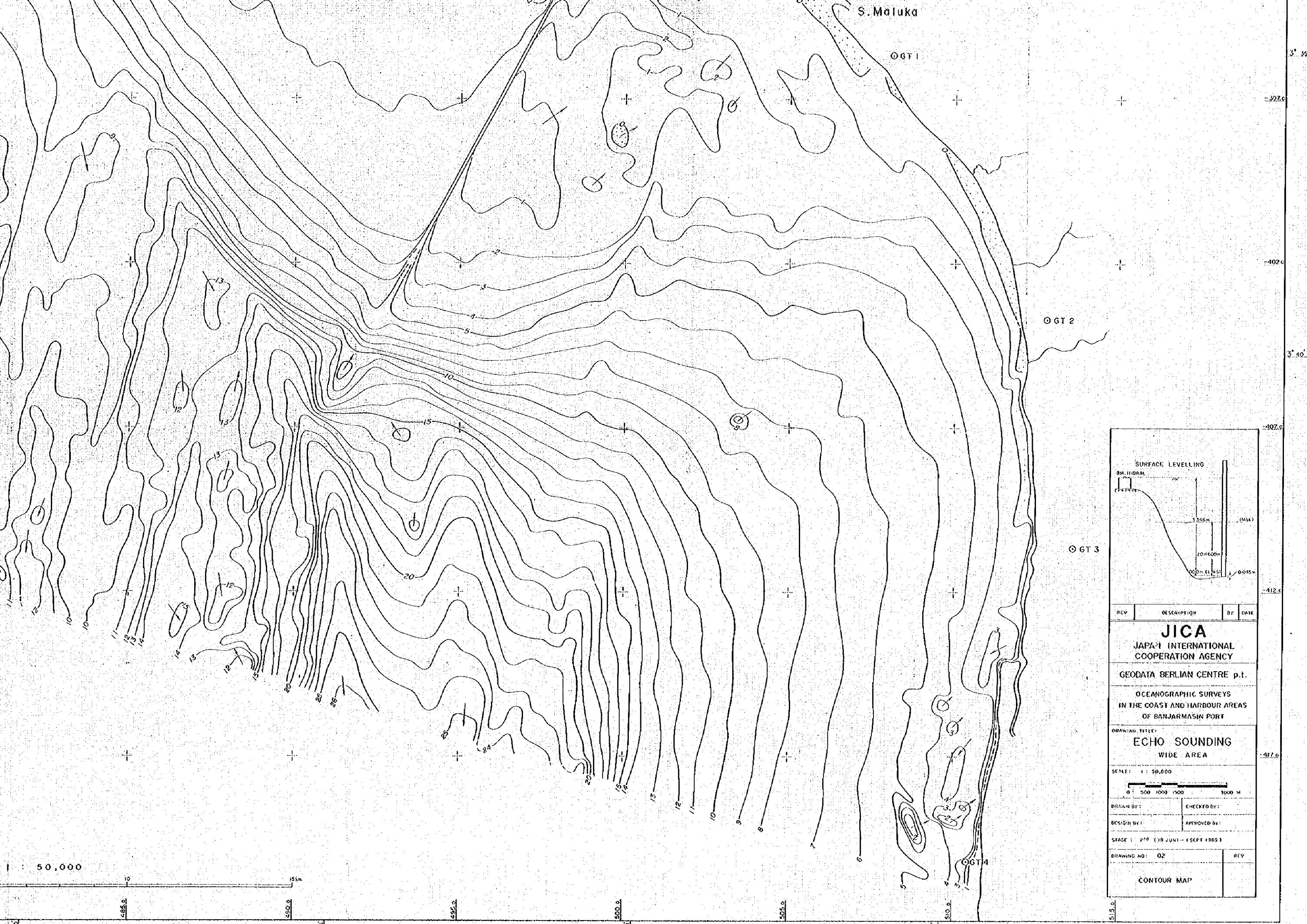


SURFACE LEVELING II



1 : 50,000





REV	DESCRIPTION	BY	DATE
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JAPAN INTERNATIONAL COOPERATION AGENCY			
GEODATA BERLIAN CENTRE p.t.			
OCEANOGRAPHIC SURVEYS IN THE COAST AND HARBOUR AREAS OF BANJARMASIN PORT			
DRAWING TITLE:			
ECHO SOUNDING WIDE AREA			
SCALE: 1 : 50,000			
DRAWN BY:		CHECKED BY:	
DESIGN BY:		APPROVED BY:	
STAGE : 2 nd (18 JUNI - 4 SEPT 1989)			
DRAWING NO: 02		REV	
CONTOUR MAP			