



Northern Indiana Public Service Company

Nuclear Staff
RR #3, Box 501
Chesterton, IN 46304
November 10, 1978

BAILLY GENERATING STATION N-1

Mr. Ronald Ballard
Environmental Projects Branch No. 1
Directorate of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20545

50-367 A

RE: NORTHERN INDIANA PUBLIC SERVICE COMPANY
BAILLY GENERATING STATION NUCLEAR 1
DOCKET 50-367

Dear Mr. Ballard:

Enclosed are ten (10) copies of the following:

1. Well Charts for 10/25/78 - 11/1/78
2. Bailly Wells Without Recorders for 11/1/78
3. Pond Levels for 11/1/78
4. Pneumatic Pressure Transducers for 11/1/78
5. Sump Pump Discharge and Well Point Discharge for 10/25/78, 10/26/78, 10/27/78, 10/30/78 and 11/1/78
6. USGS Wells for 11/1/78
7. Rainfall Flint Lake Pump Station for 9/13/78 - 10/31/78
8. Dewatering Installation for 10/18/78 - 10/25/78
(inadvertently omitted last week)

Sincerely,

R. J. Bohn
Manager, Nuclear Staff

MD/me

Enclosures

File: Ground Water Observation Monitoring Wells

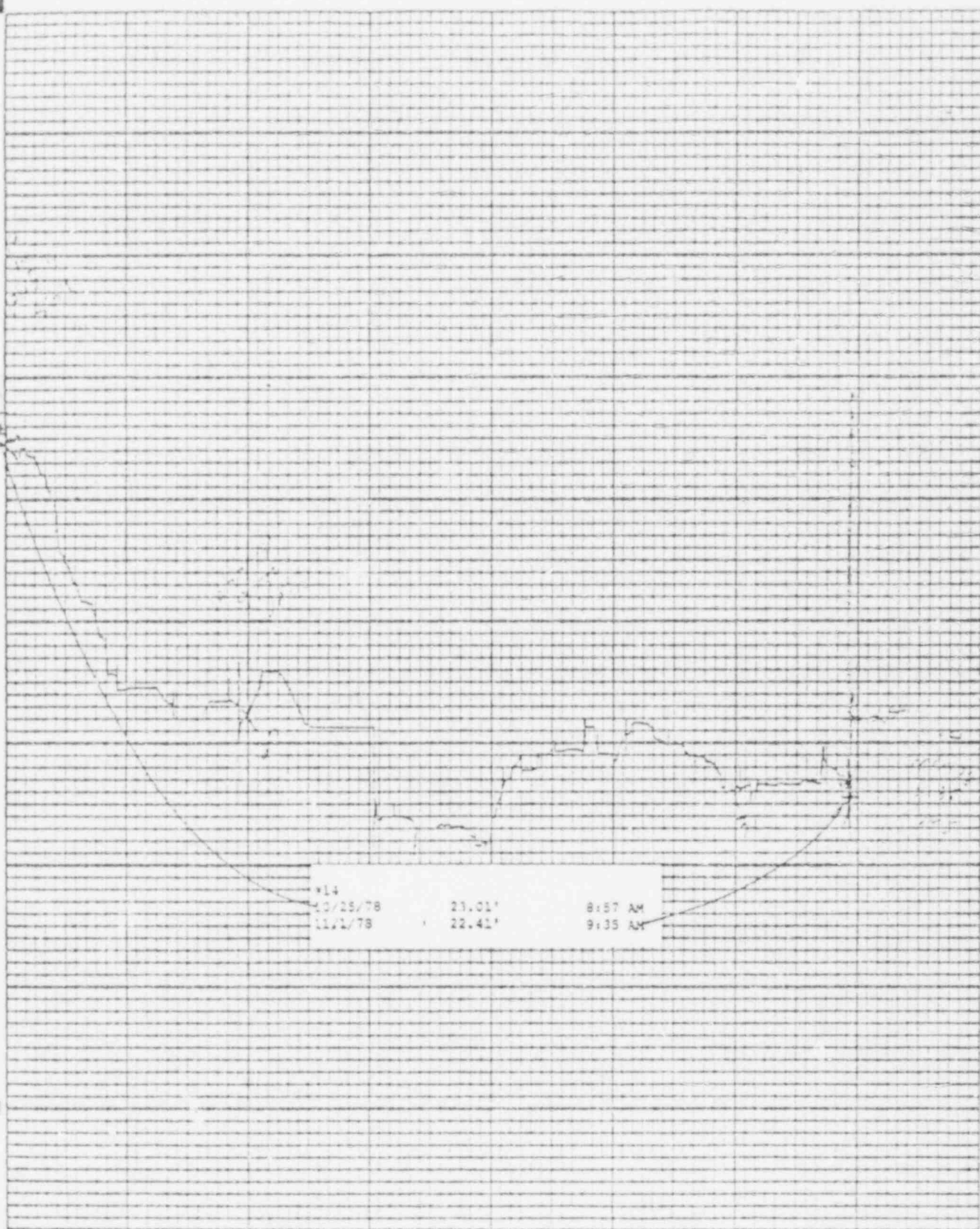
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11

Form No. 115-A

Leopold & Stevens, Inc., Beaverton, Ore.

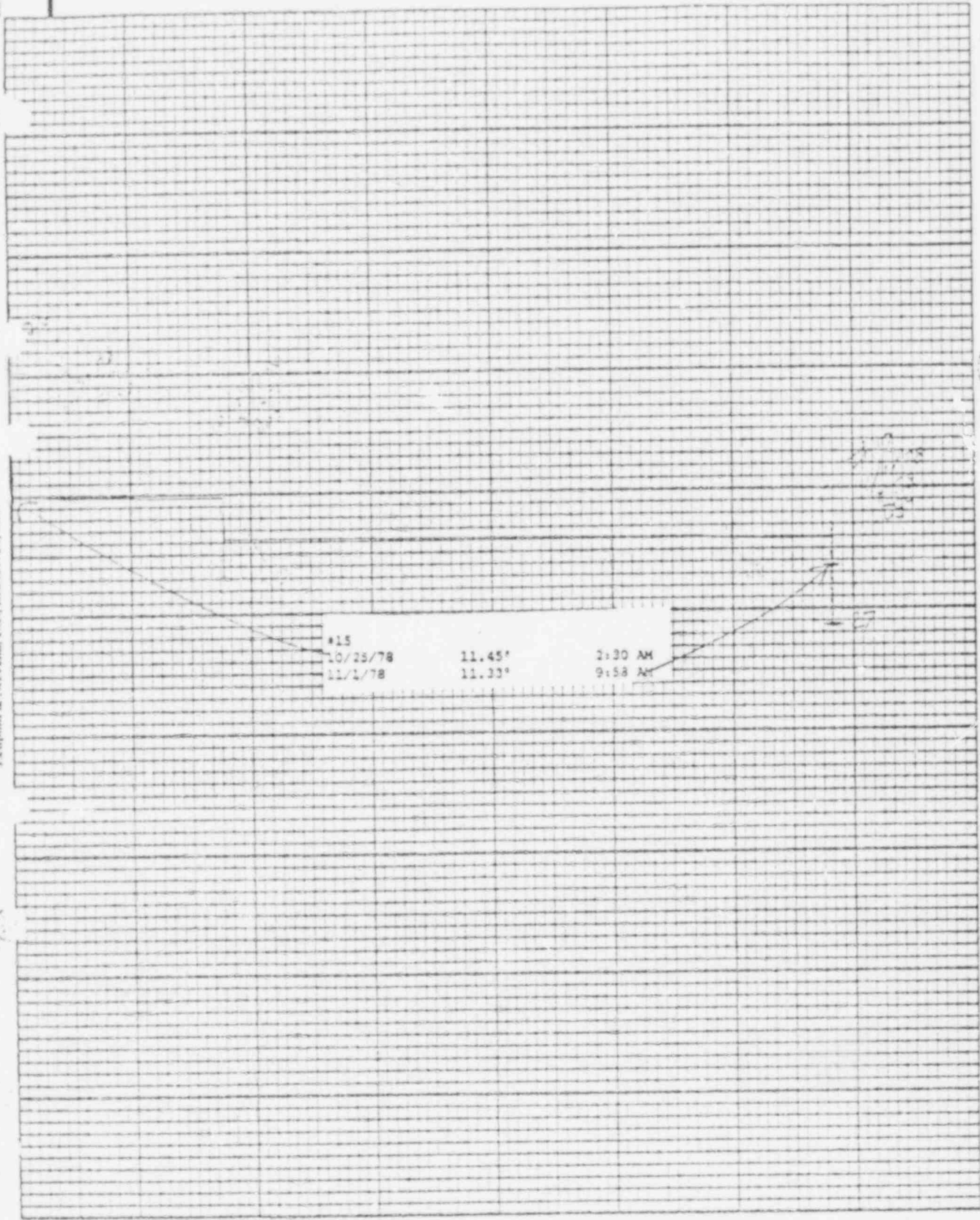


Leupold & Stevens, Inc., Beaverdam, Ore.

Chart F-1

(S)

Stevens Water Level Recorder — Type F



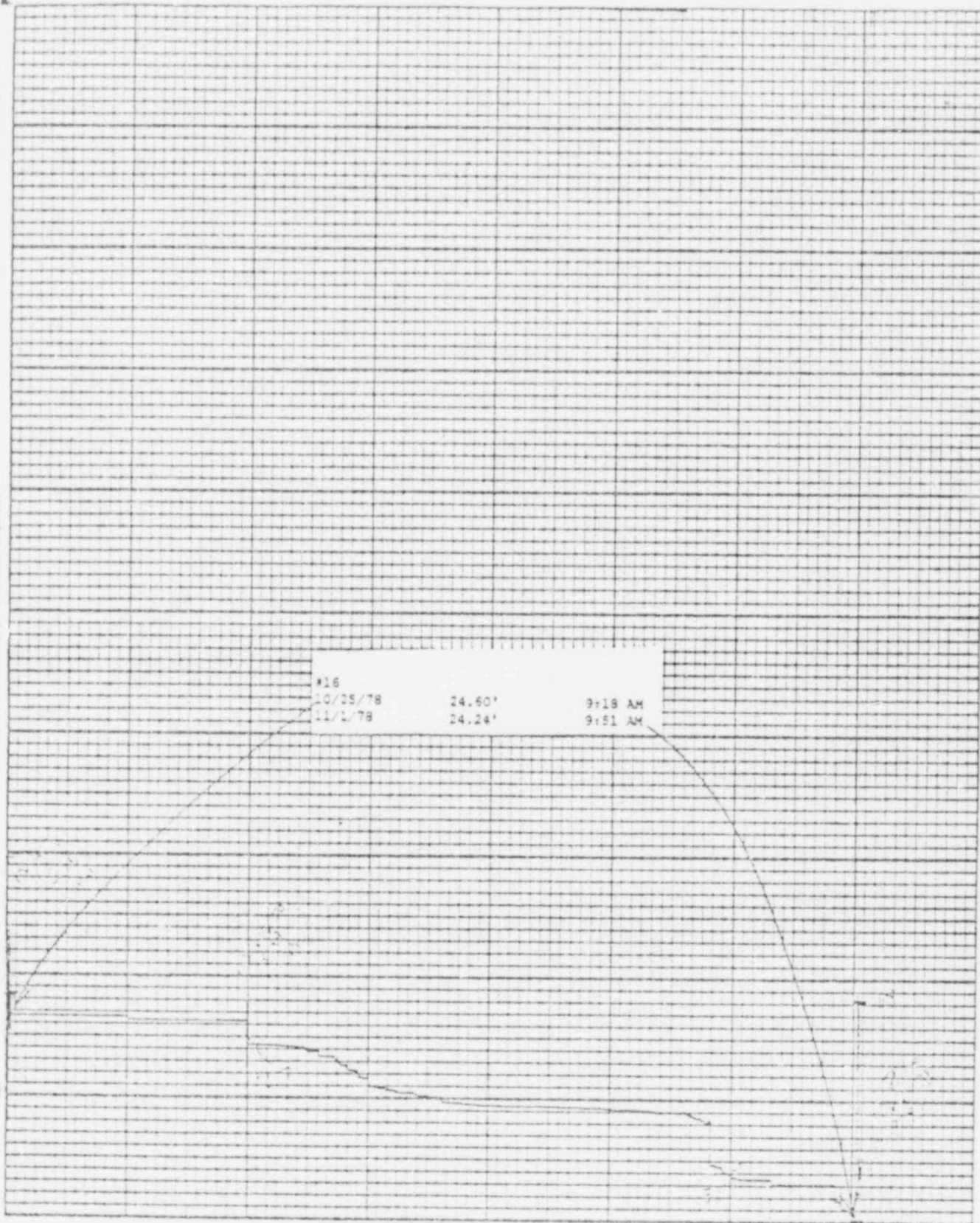
| | | |
|----------|--------|---------|
| #15 | 11.45' | 2:30 AM |
| 10/25/78 | 11.33' | 9:58 AM |
| 11/1/78 | | |

Printed on 10 1/2 x 14

Leupold & Stevens, Inc., Beaverlton, Ohio.

24

10



Stevens Water Level Recorder — Type F

Chart F-1

Leupold & Stevens, Inc., Heaverston, Ore.

Chart F-1

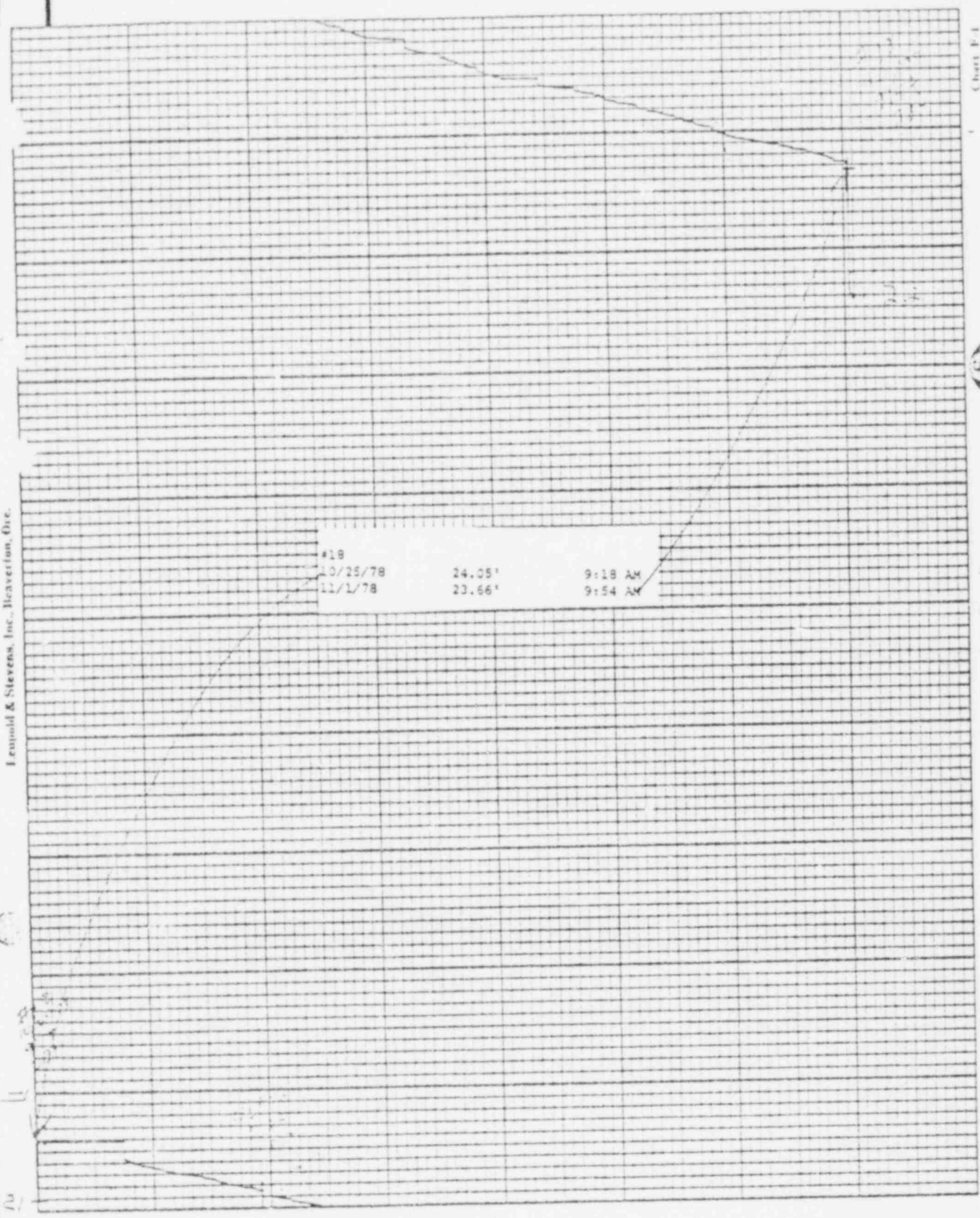


Stevens Water Level Recorder — Type F

#17
10/25/78 21.59' 9:30 AM
Bead hung up
11/1/78 21.30' 10:08 AM

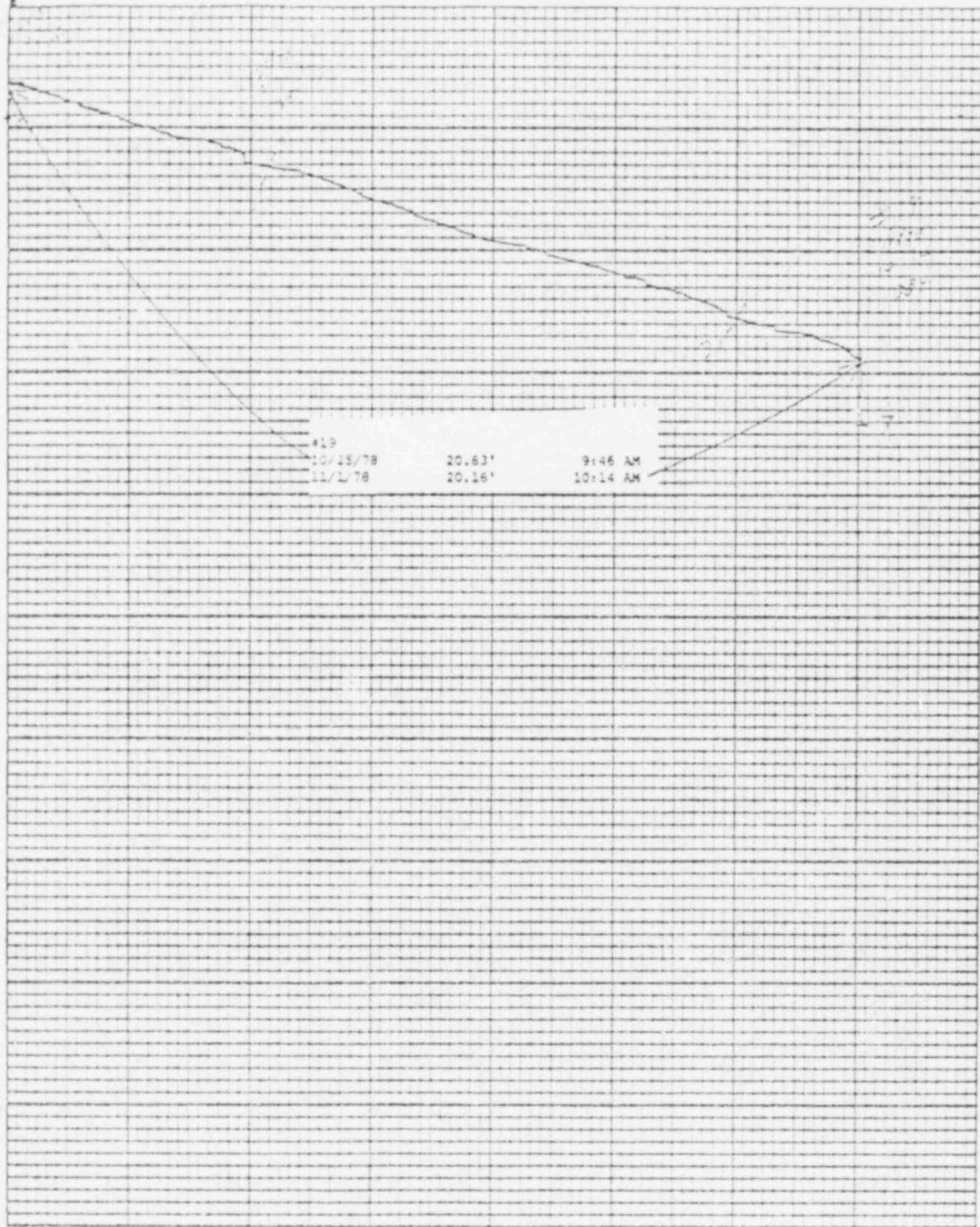


Irvin & Stevens, Inc., Beaverton, Ore.



Leupold & Stevens, Inc., Beaverton, Ore.

Pressure in ft.

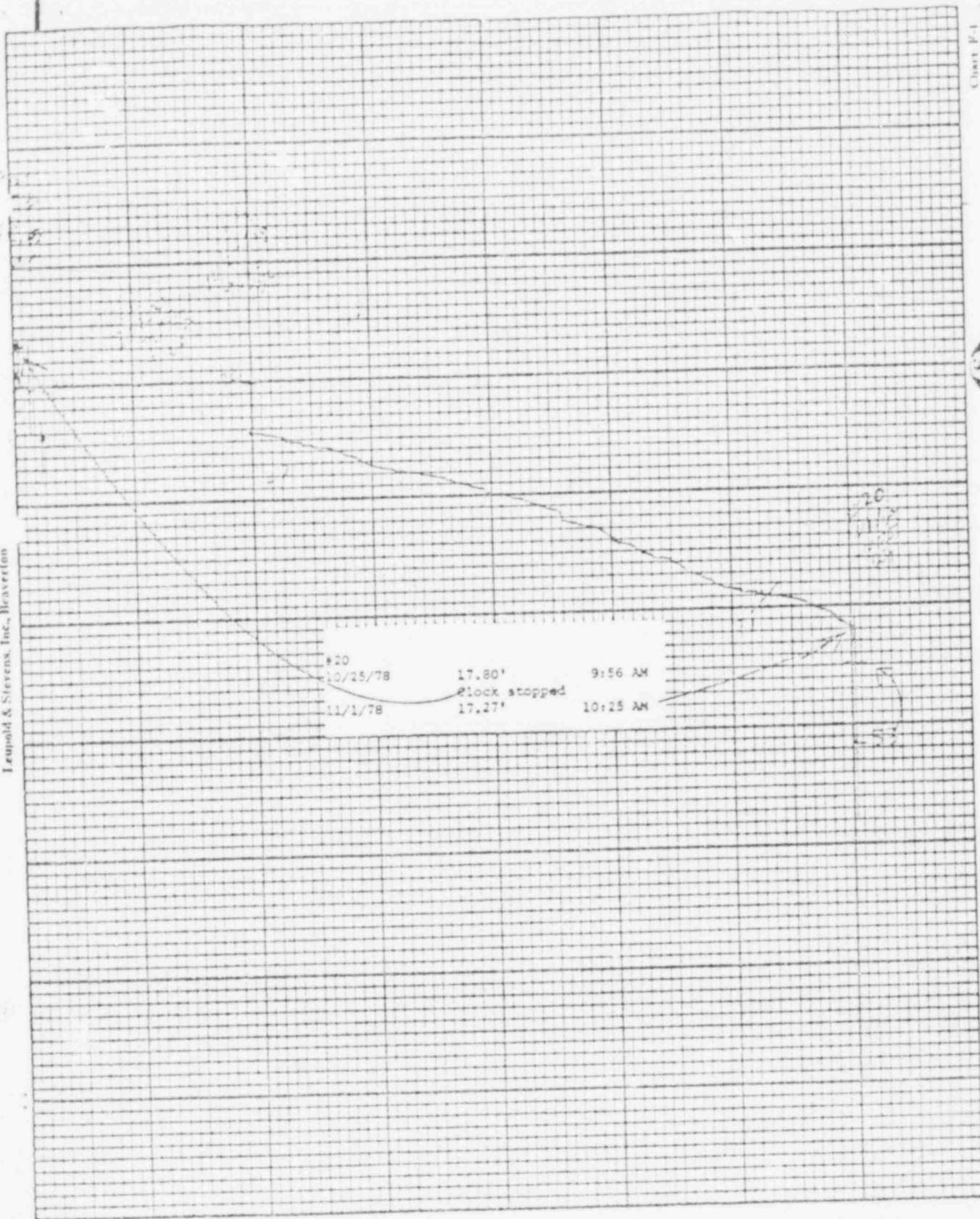


Sievers Water Level Recorder — Type F

(5)

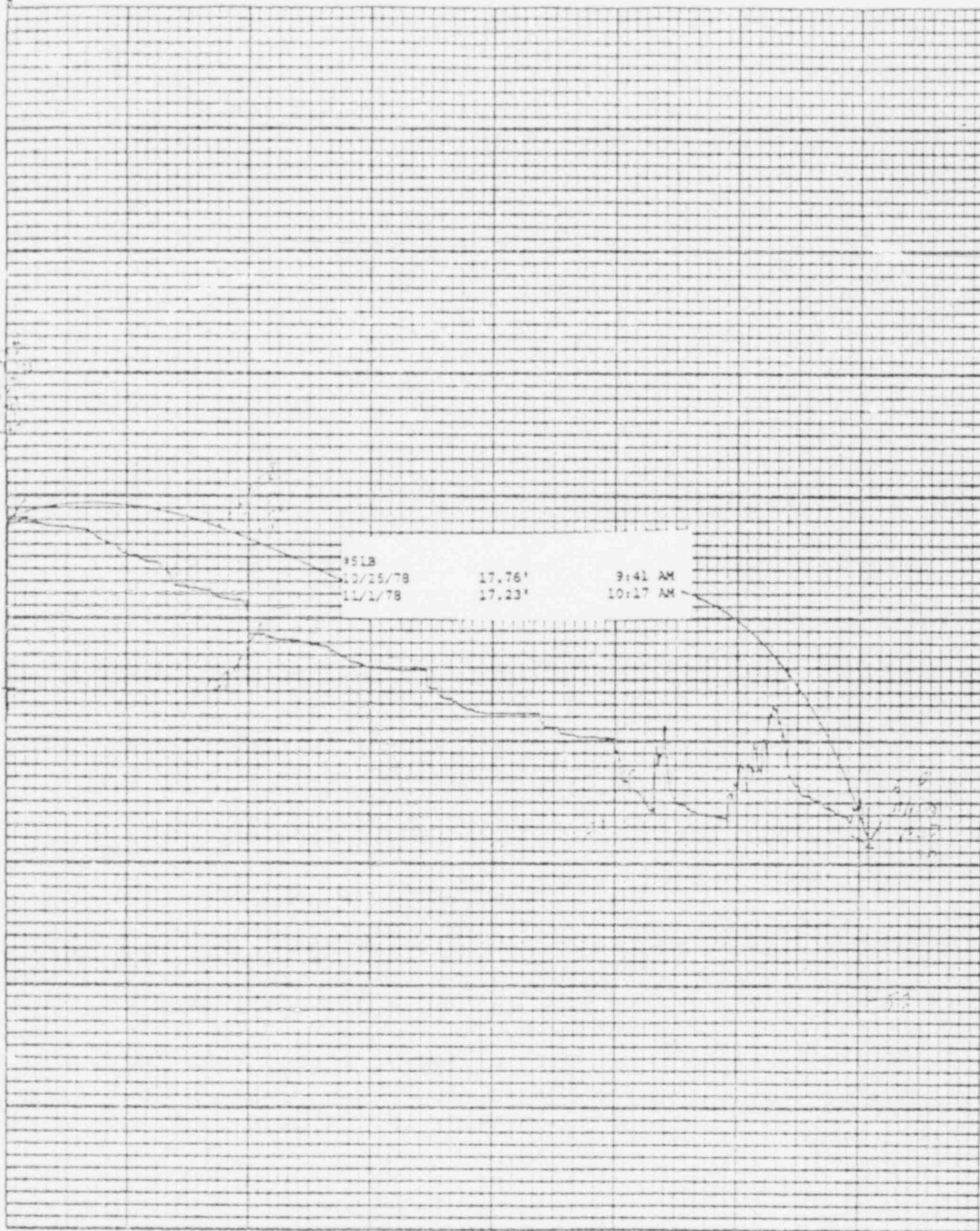
Chart F-1

Leupold & Stevens, Inc., Beaverston



Leunig & Stevens, Inc., Beaverton, Ore.

Printed on 11 x 14



Stevens Water Level Recorder — Type B

Chart F-1

Lemuel & Stevens, Inc., Beaverton, Ore.

Printed

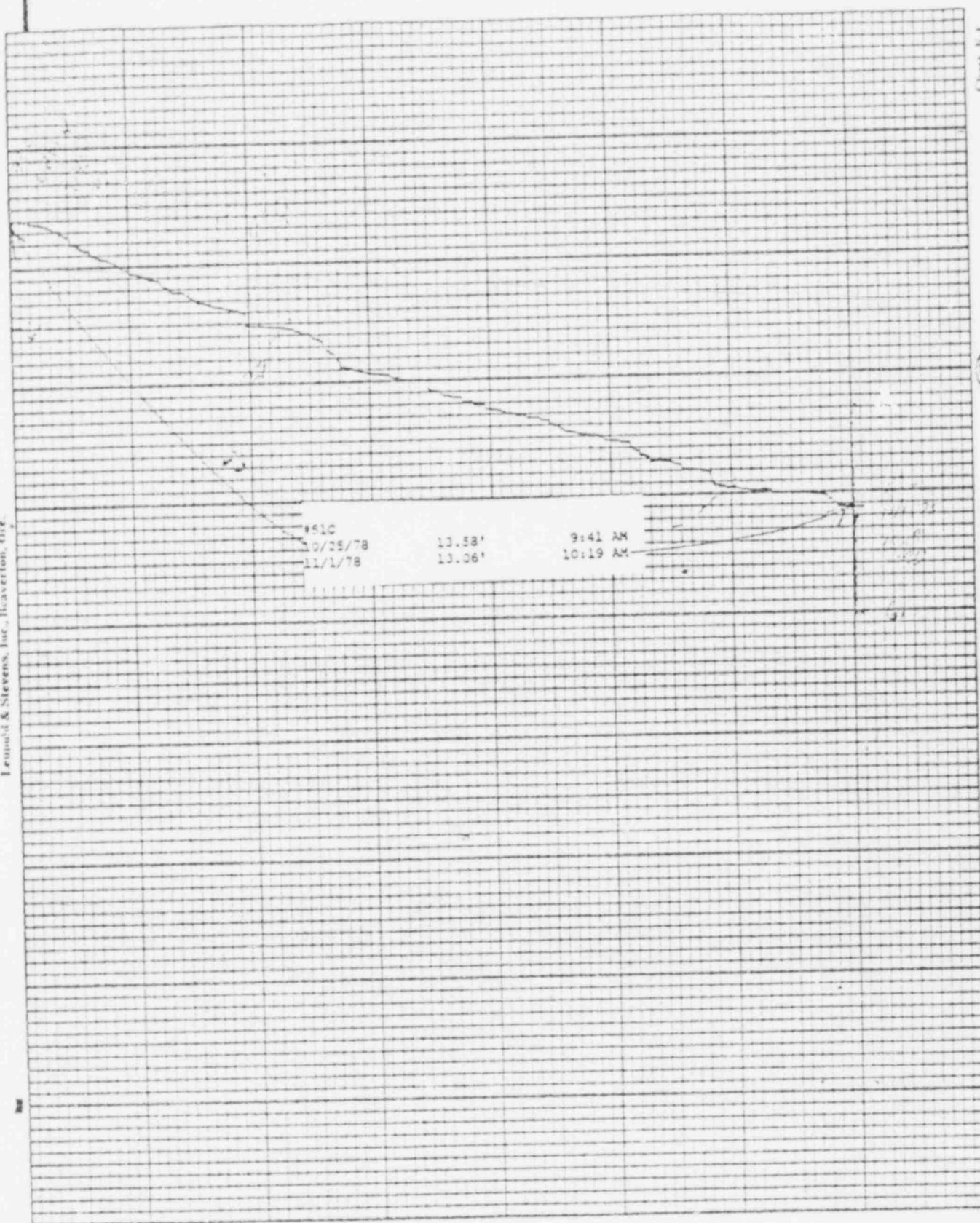
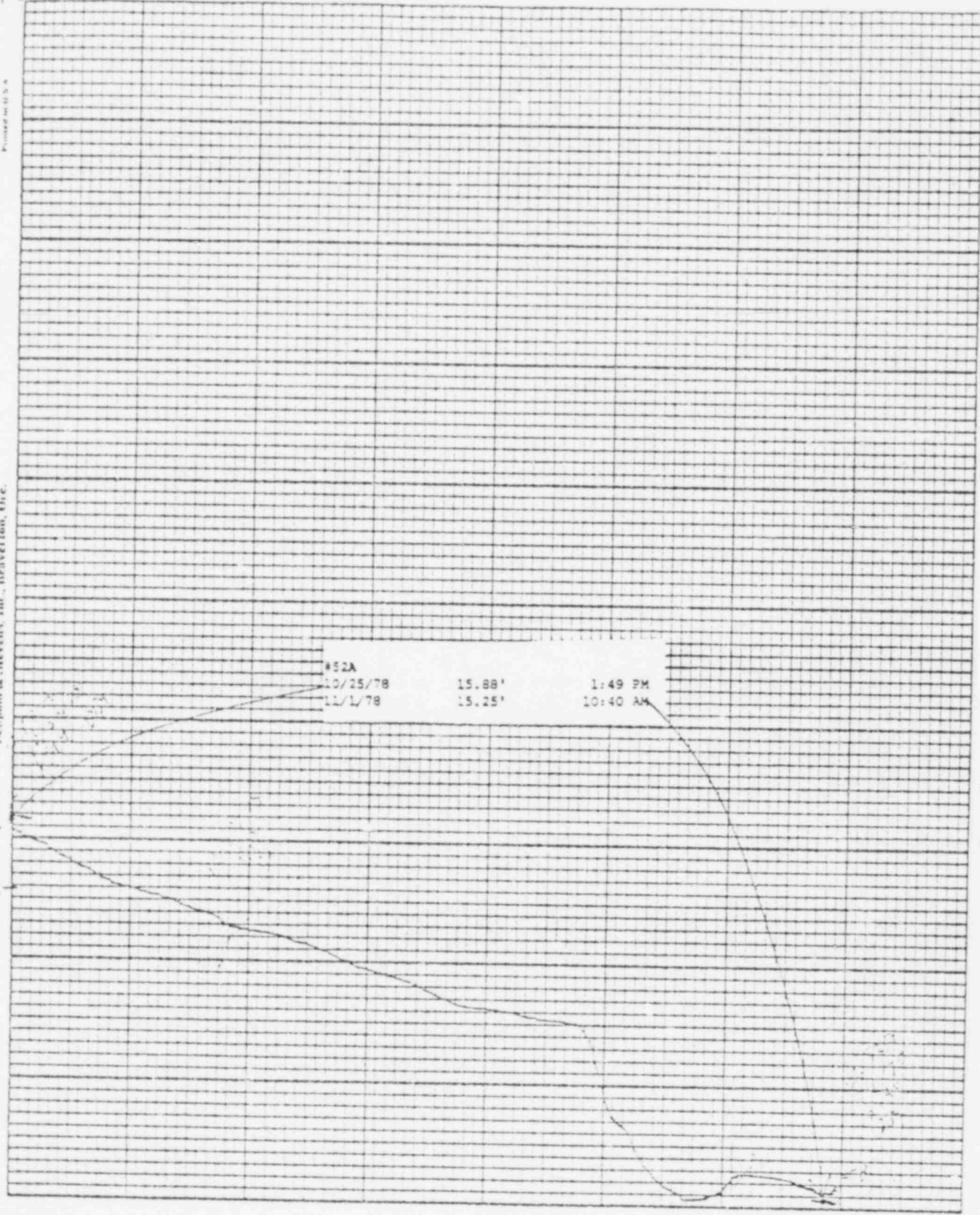


Chart F-1

Stevens Water Level Recorder - Type F

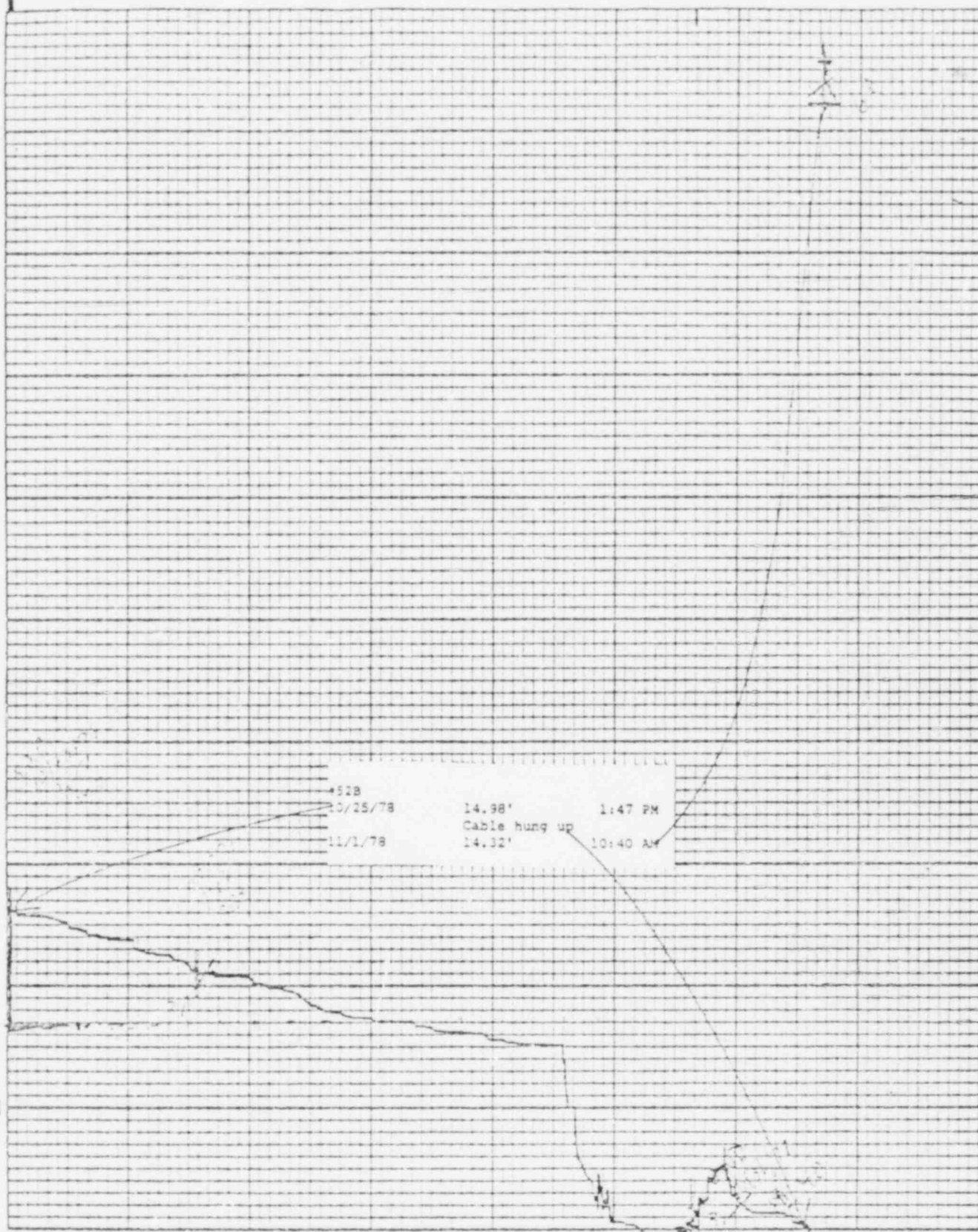
Leupold & Stevens, Inc., Beaverlton, Ore.

Printed on 41 1/2 x 41 1/2



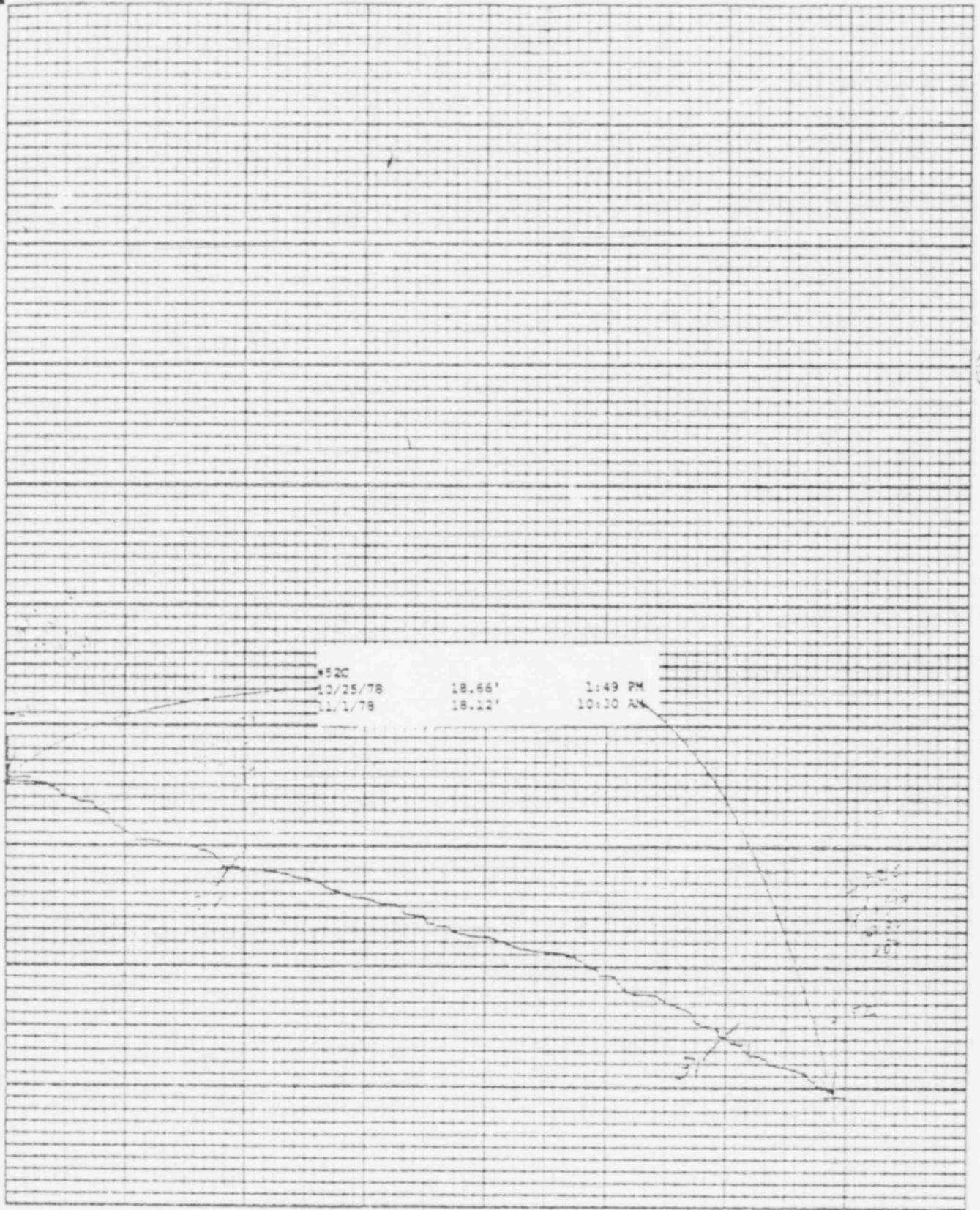
Stevens Water Level Recorder — Type F

Chart E-1



Lemond & Stevens, Inc., Beaverton, Ore.

Printed on V.L.A.

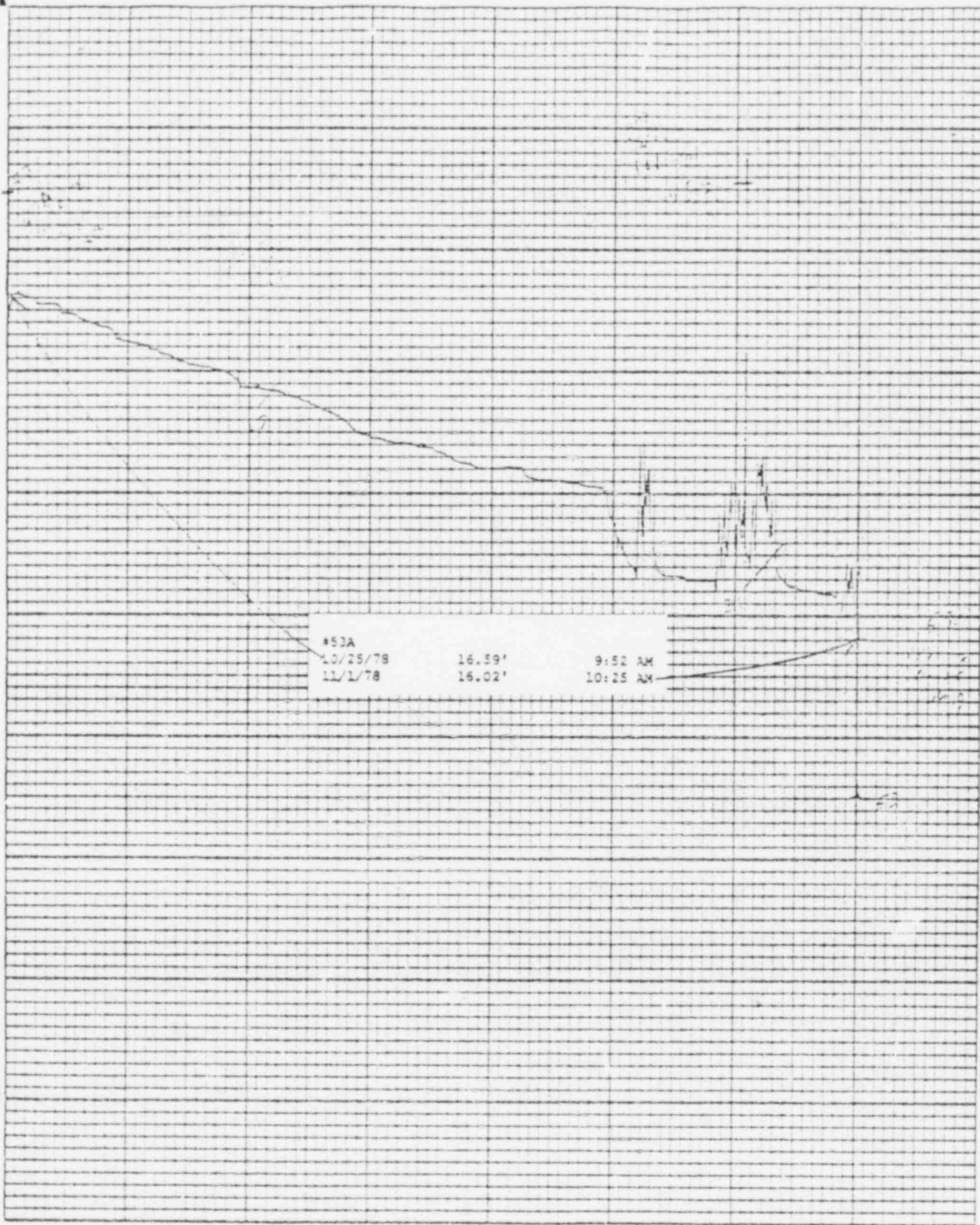


Stevens Water Level Recorder — Type F

Chart F-1

Leupold & Stevens, Inc., Beaverton, Ore.

Printed in U.S.A.



#53A

10/25/78

11/1/78

16.59'

16.02'

9:52 AM

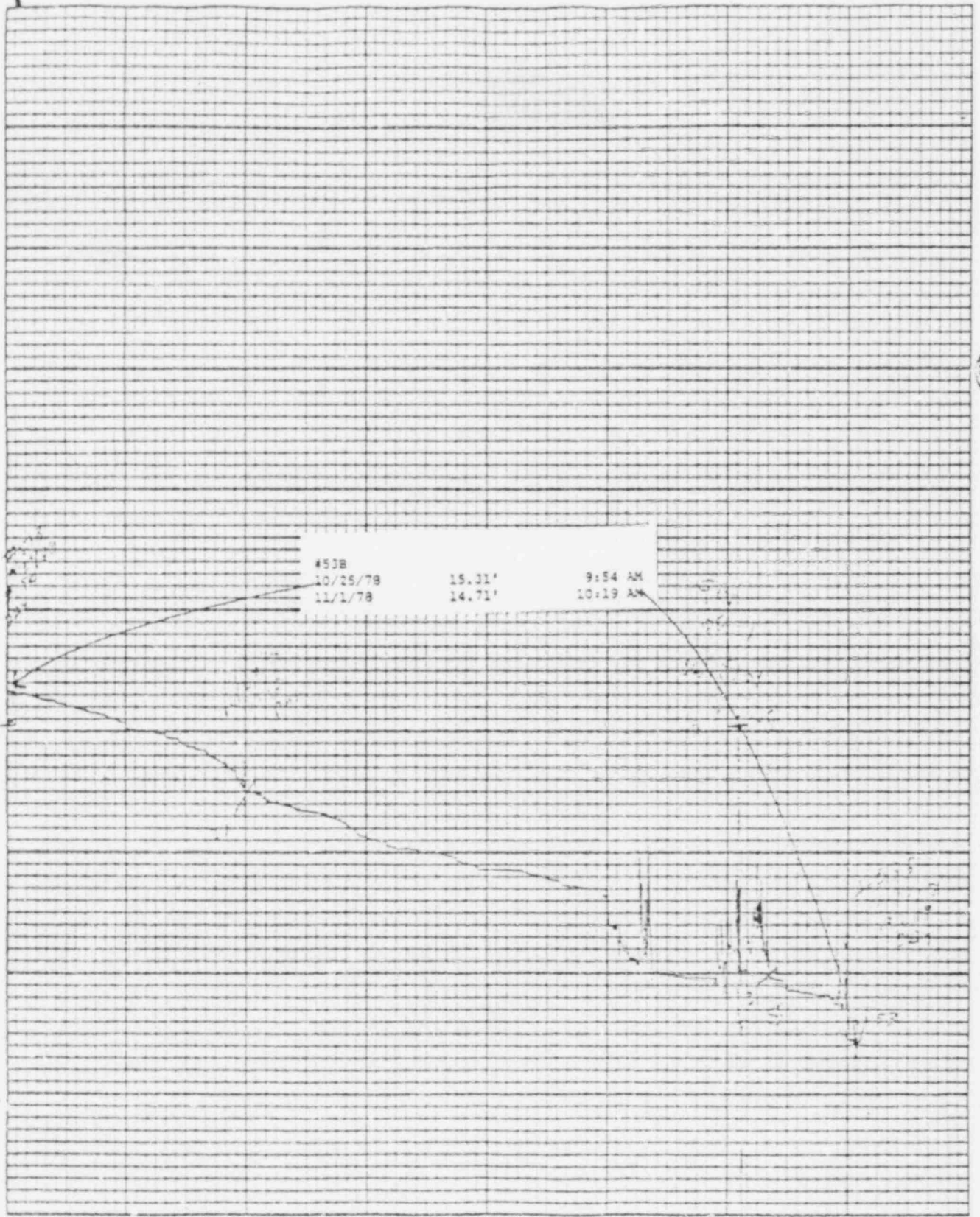
10:25 AM

Stevens Water Level Recorder — Type F

(S)

Chart F-1

Leitch & Stevens, Inc., Beaverton, Ore.



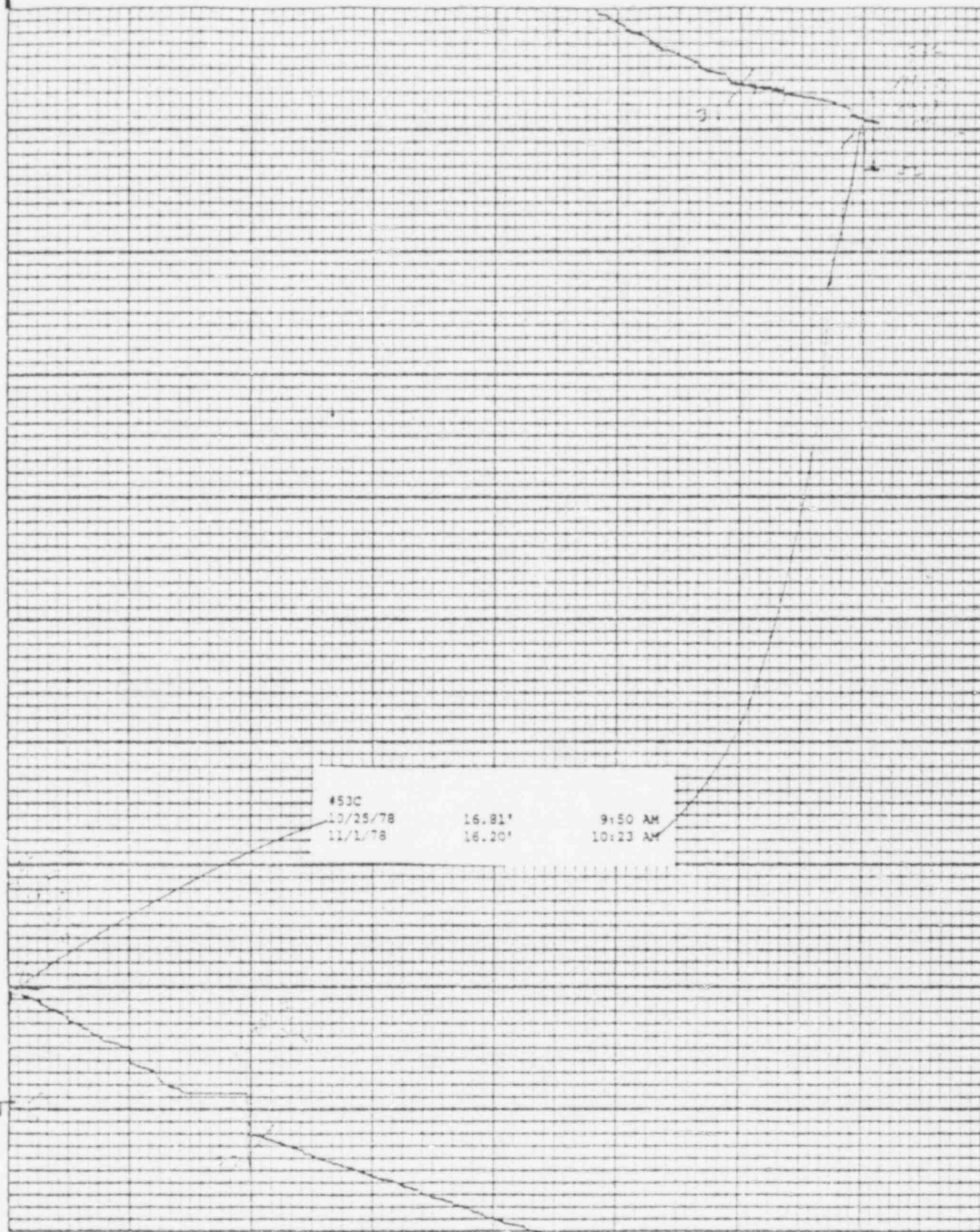
Stevens Water Level Recorder — Type F

(S)

Chart F-1

Reynold & Stevens, Inc., Beaverton, Ore.

Printed on 11 x 8 1/2

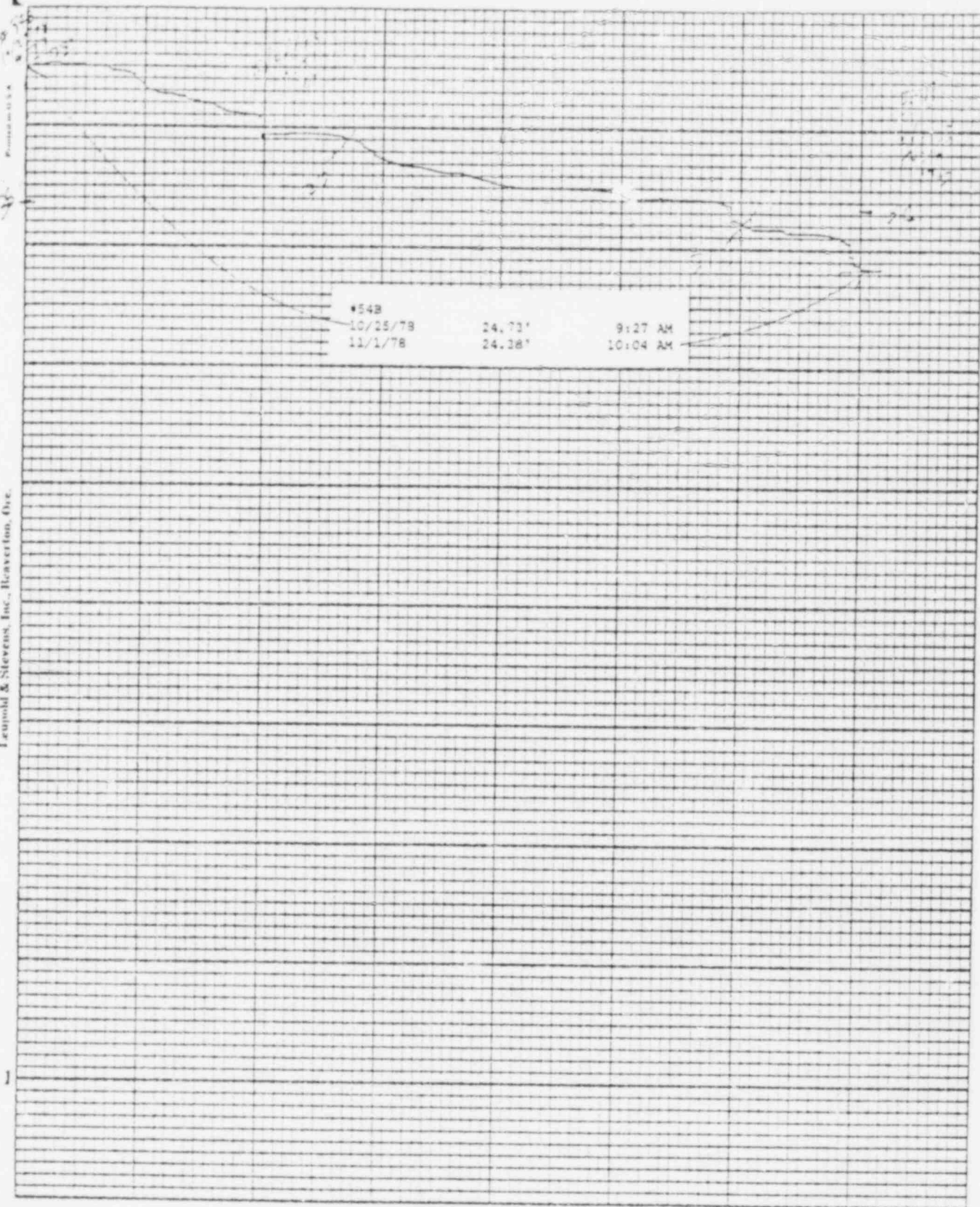


Stevens Water Level Recorder — Type F

(S)

Chart F-1

Leupold & Stevens, Inc., Beaver Dam, Wis.



Printed in U.S.A.

Temple & Stevens, Inc. - Beaverton, Ore.

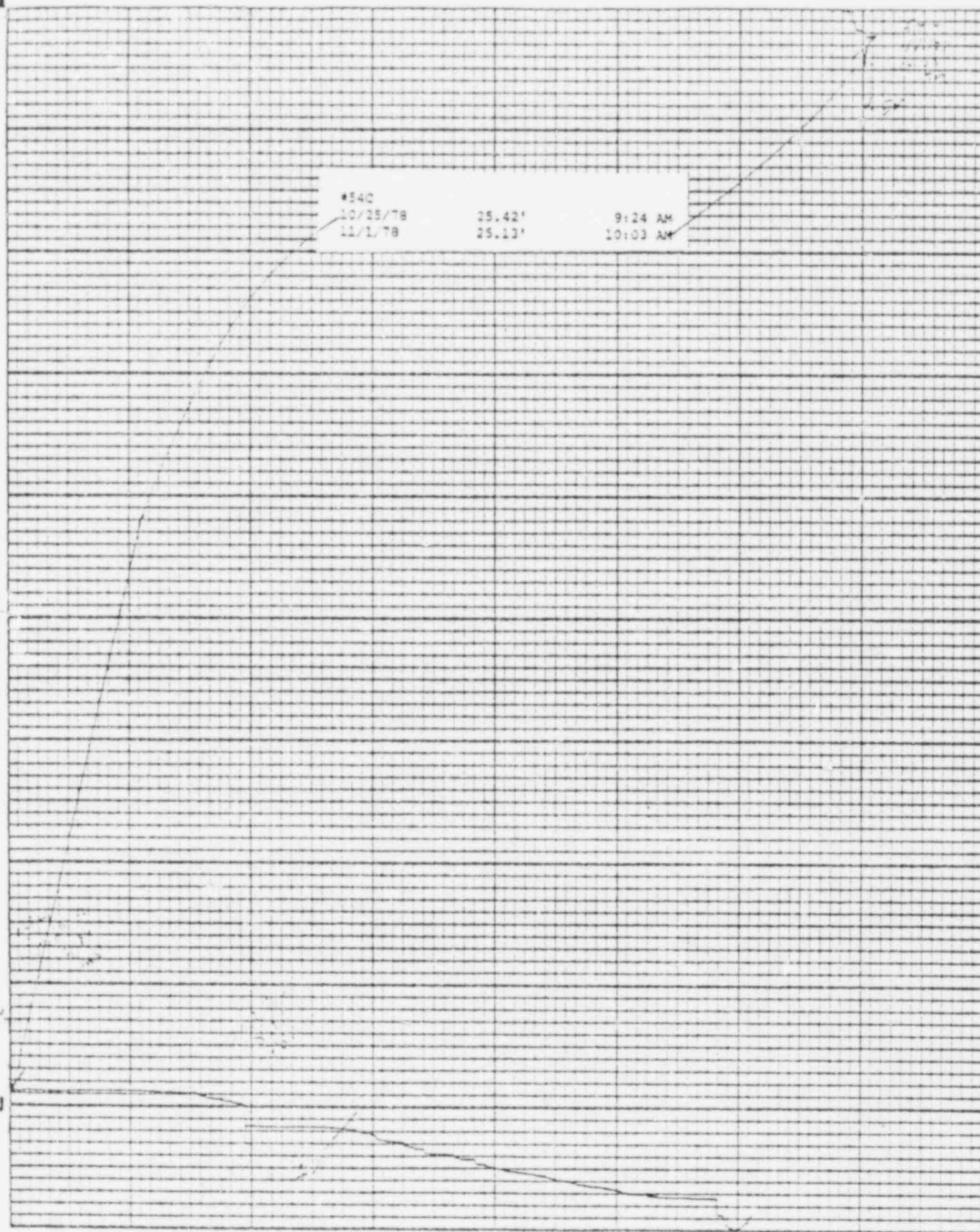
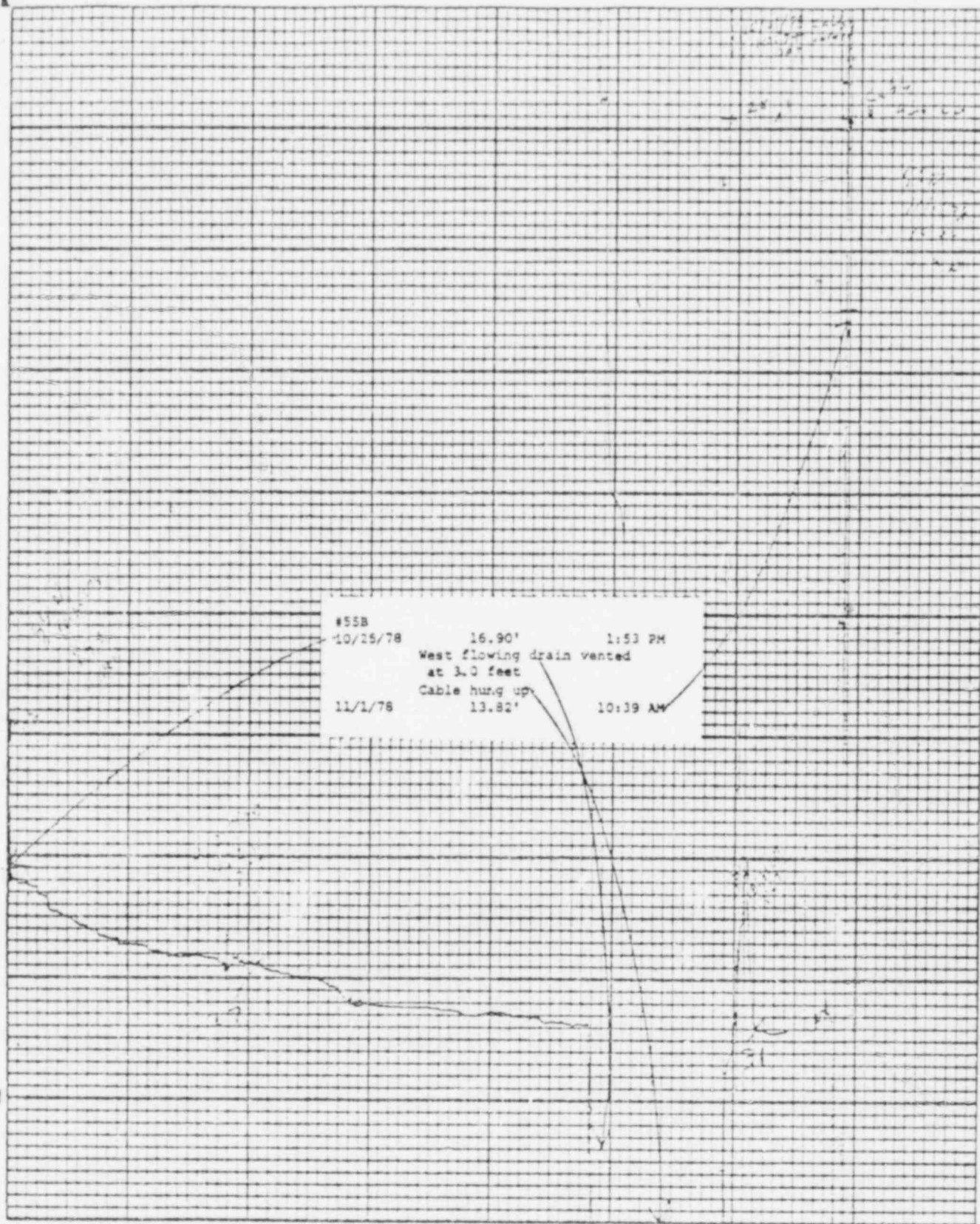


Chart F-1

Stevens Water Level Recorder - Type F



Printed in U.S.A.

Leopold & Stevens, Inc., Revere, Mass., U.S.A.

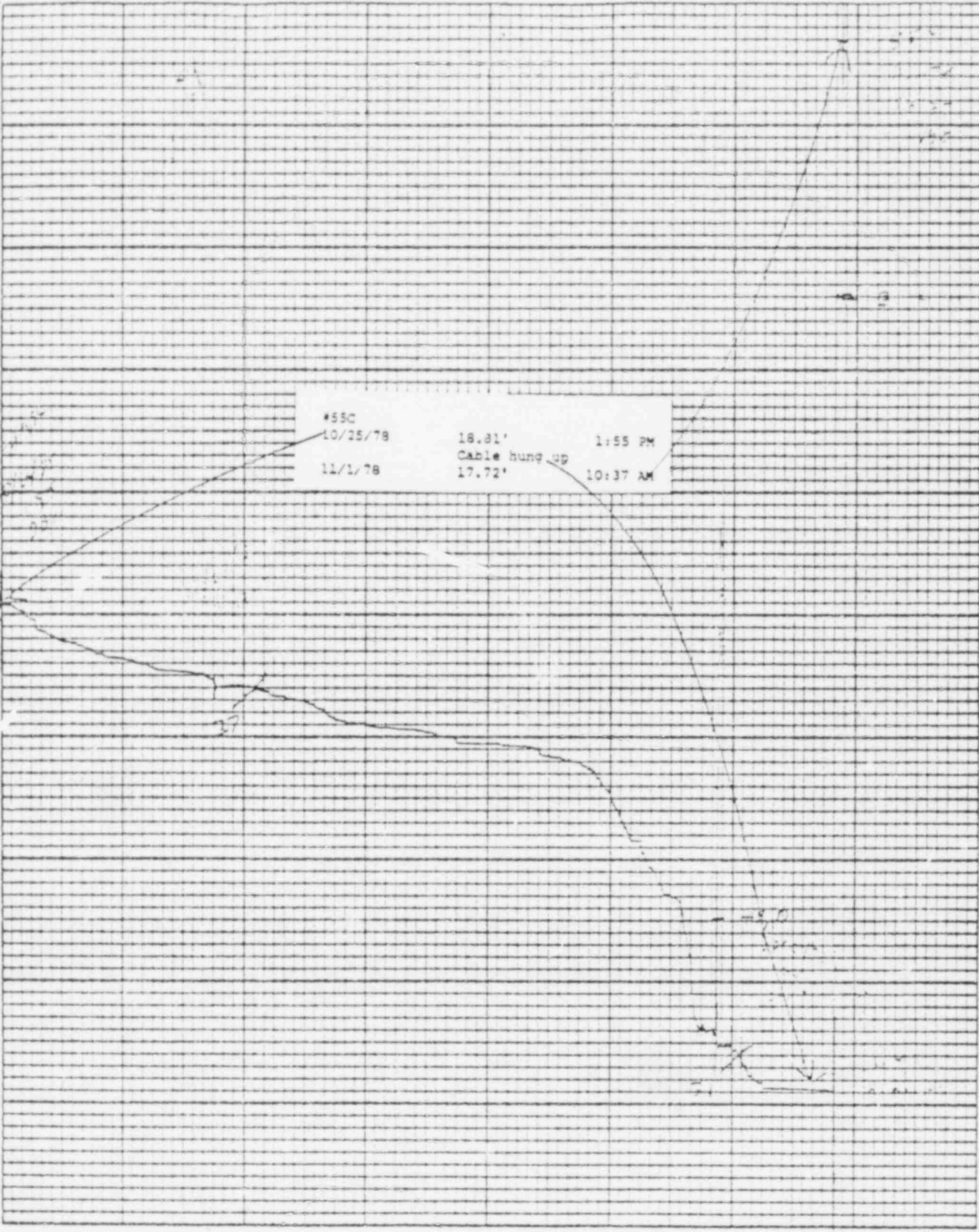


Chart F-1

Stevens Water Level Recorder — Type F

Printed on U.S.N.

Leopold & Stevens, Inc., Beaverlton, Ore.

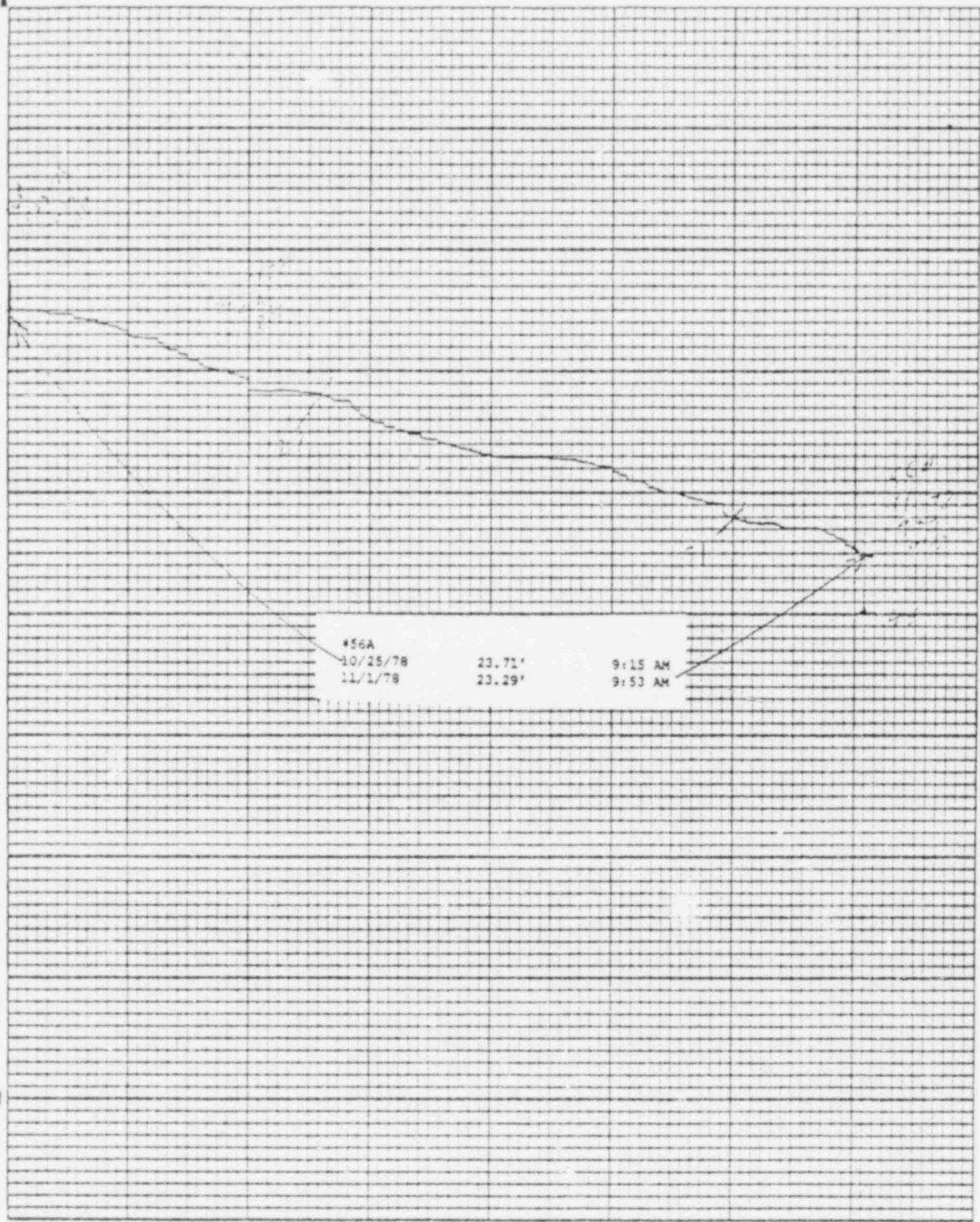


Chart F-1

Stevens Water Level Recorder — Type B

Printed in U.S.A.

Leasold & Stevens, Inc., Denver, Colo.

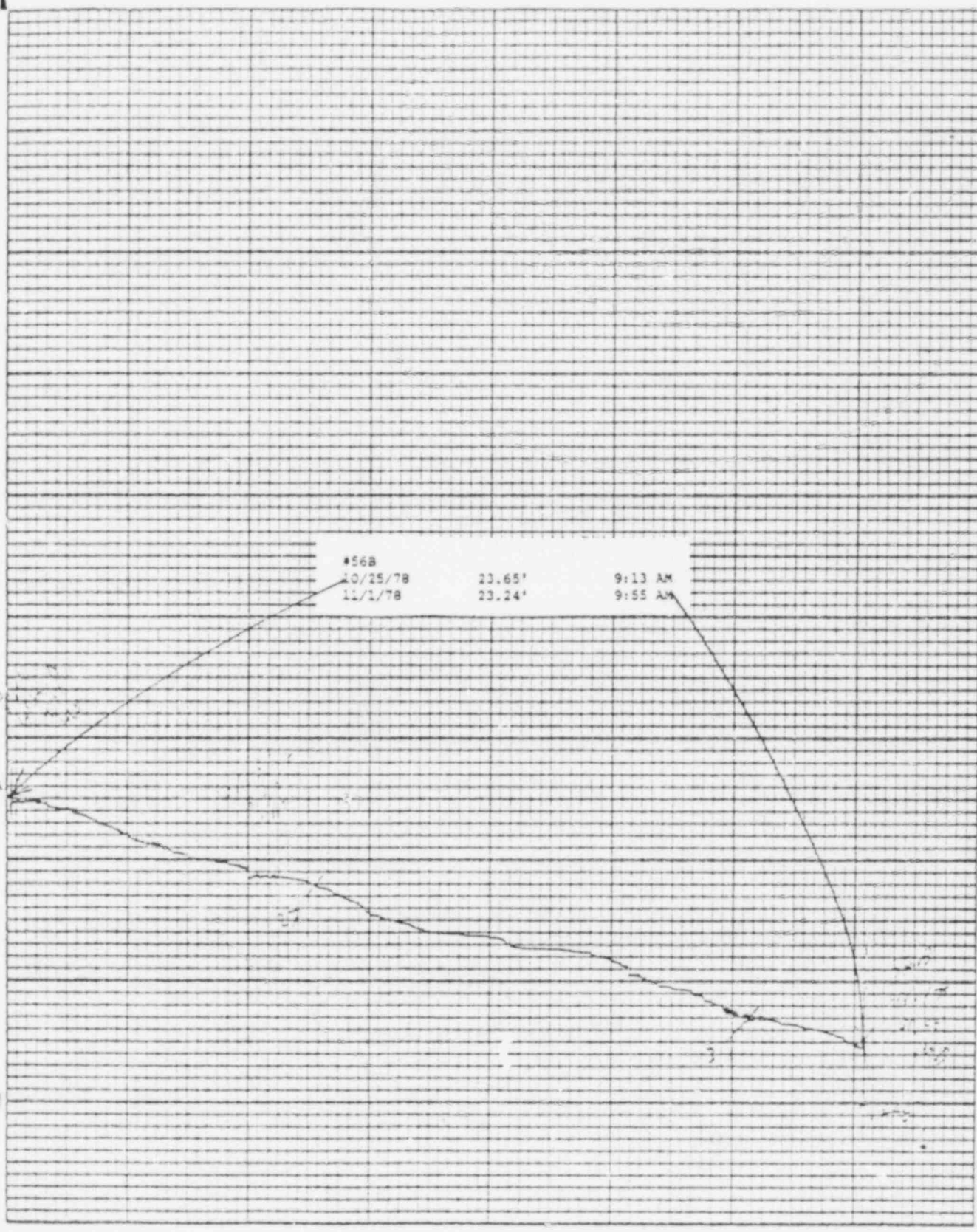
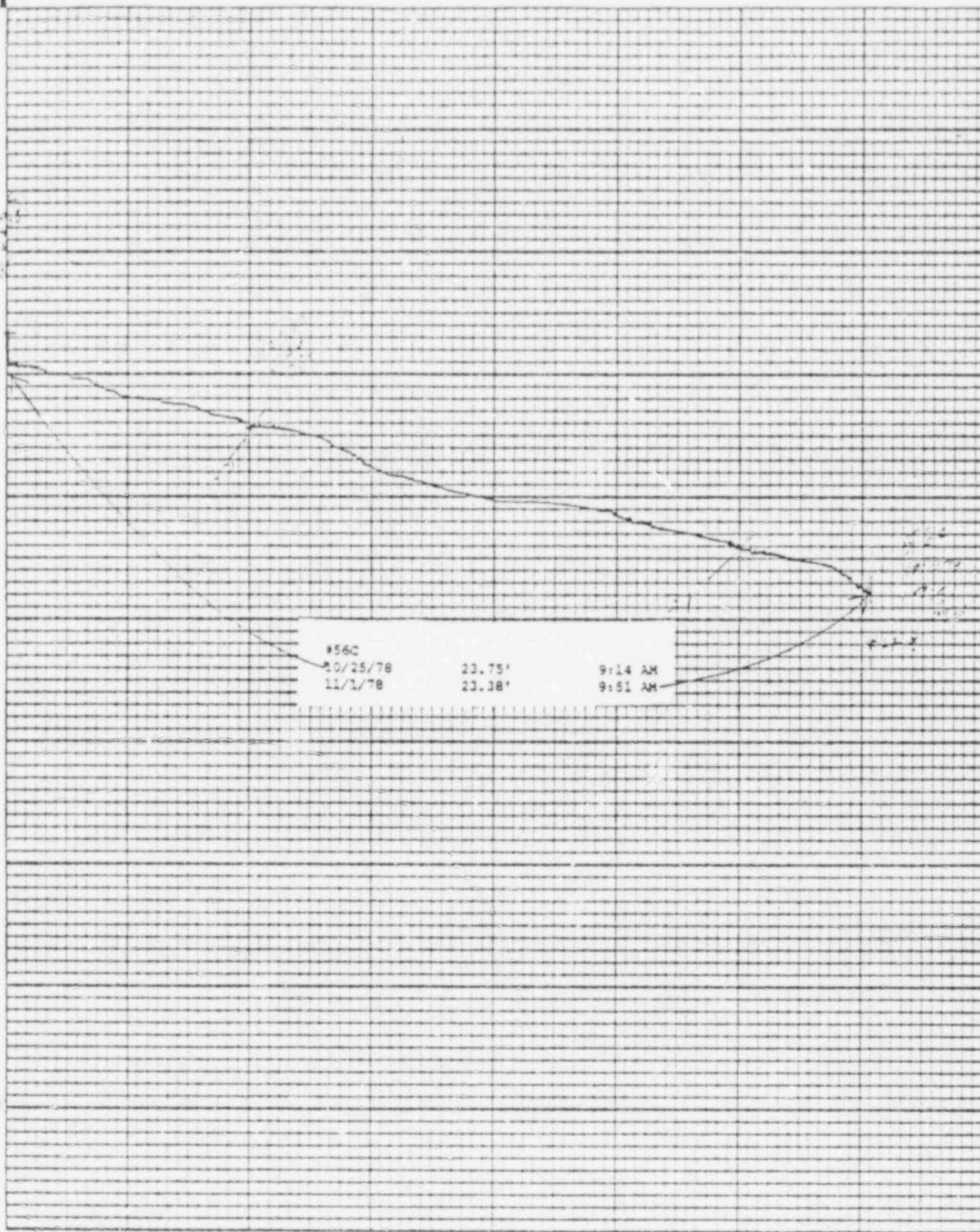


Chart F-4

Stevens Water Level Recorder — Type F

Printed on U.S.S.

Leopold & Stevens, Inc., Haverton, Ore.

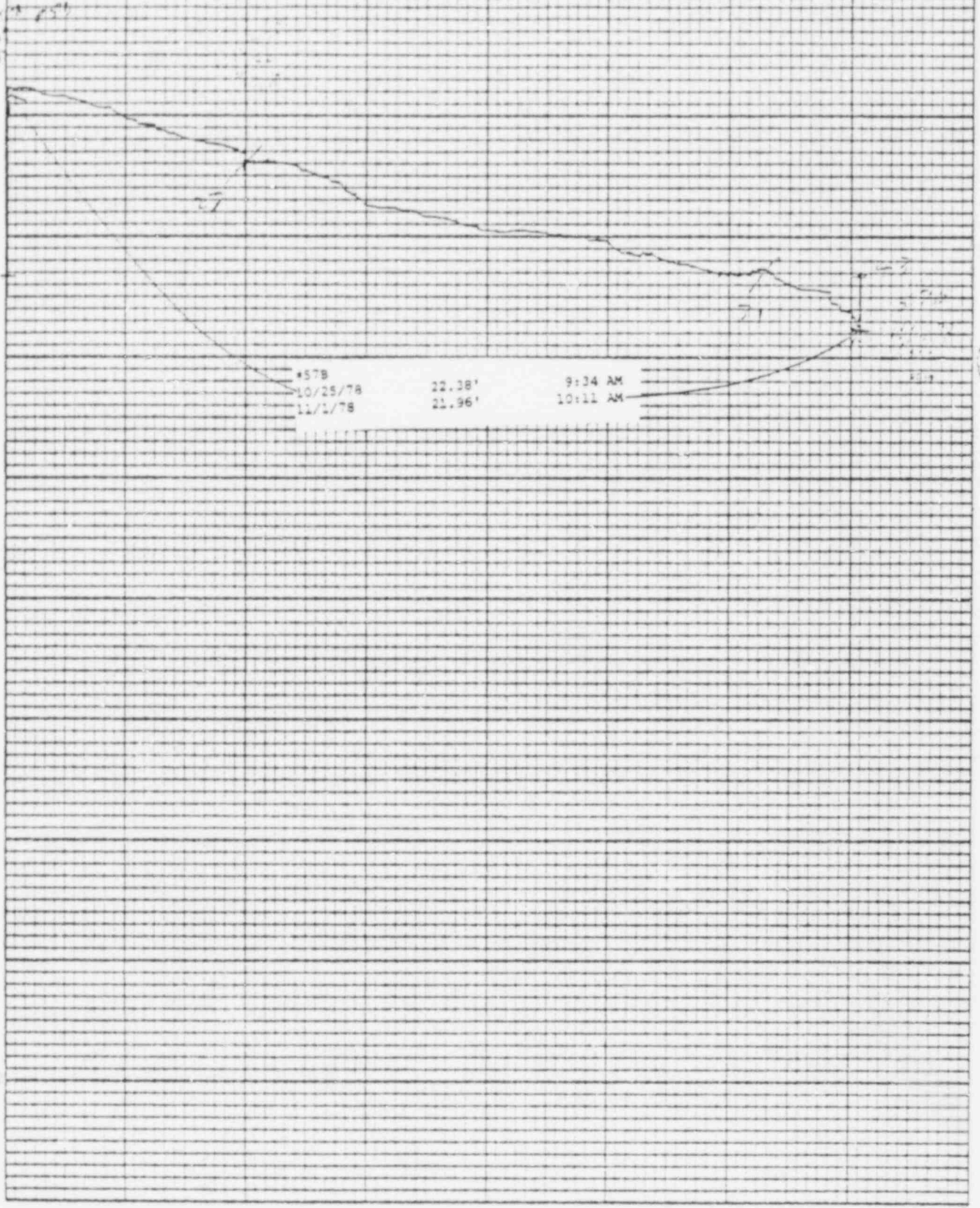


Stevens Water Level Recorder — Type F

Chart F-1

Leupold & Stevens, Inc., Beaverton, Ore.

Printed in U.S.A.

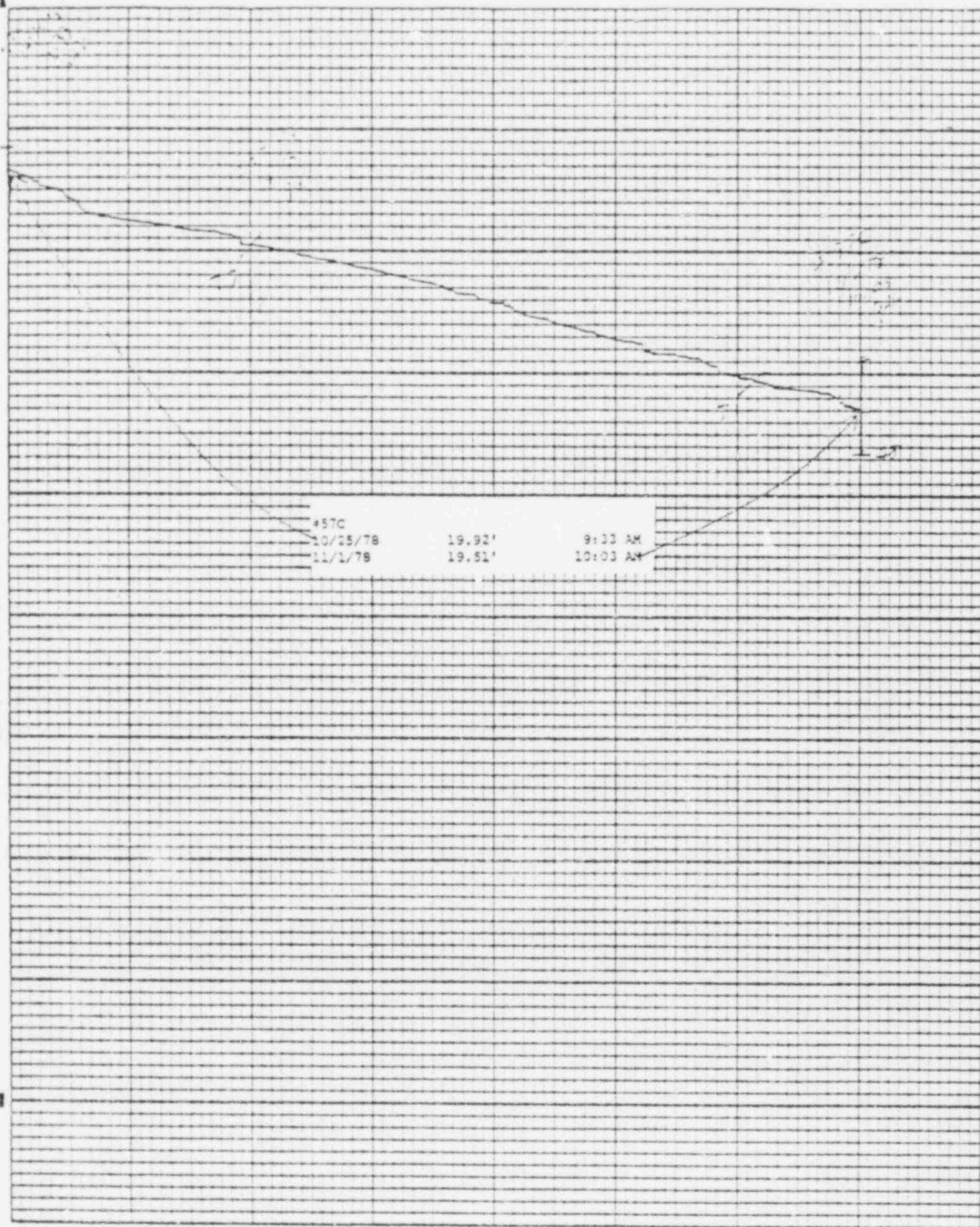


Stevens Water Level Recorder — Type P

Chart P-1

Leupold & Stevens, Inc., Beaver Dam, Wis.

1942-1954



Stevens Water Level Recorder — Type P

(5)

Chart P-1

Printed in U.S.A.

Leupold & Stevens, Inc., Beaverton, Ore.

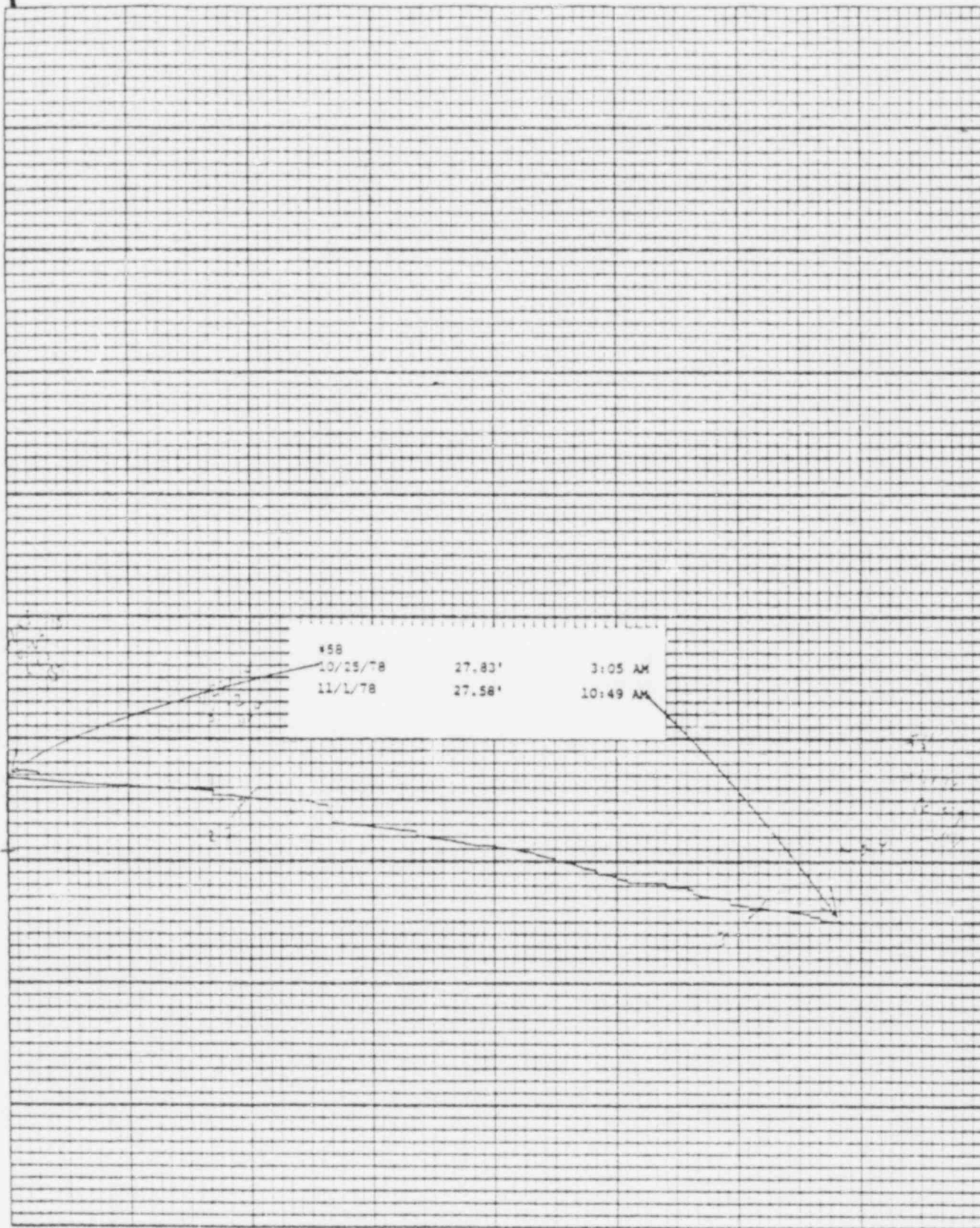


Chart F-1

Stevens Water Level Recorder — Type F

Product

Leopold & Stevens, Inc., Beaverton, Ore.

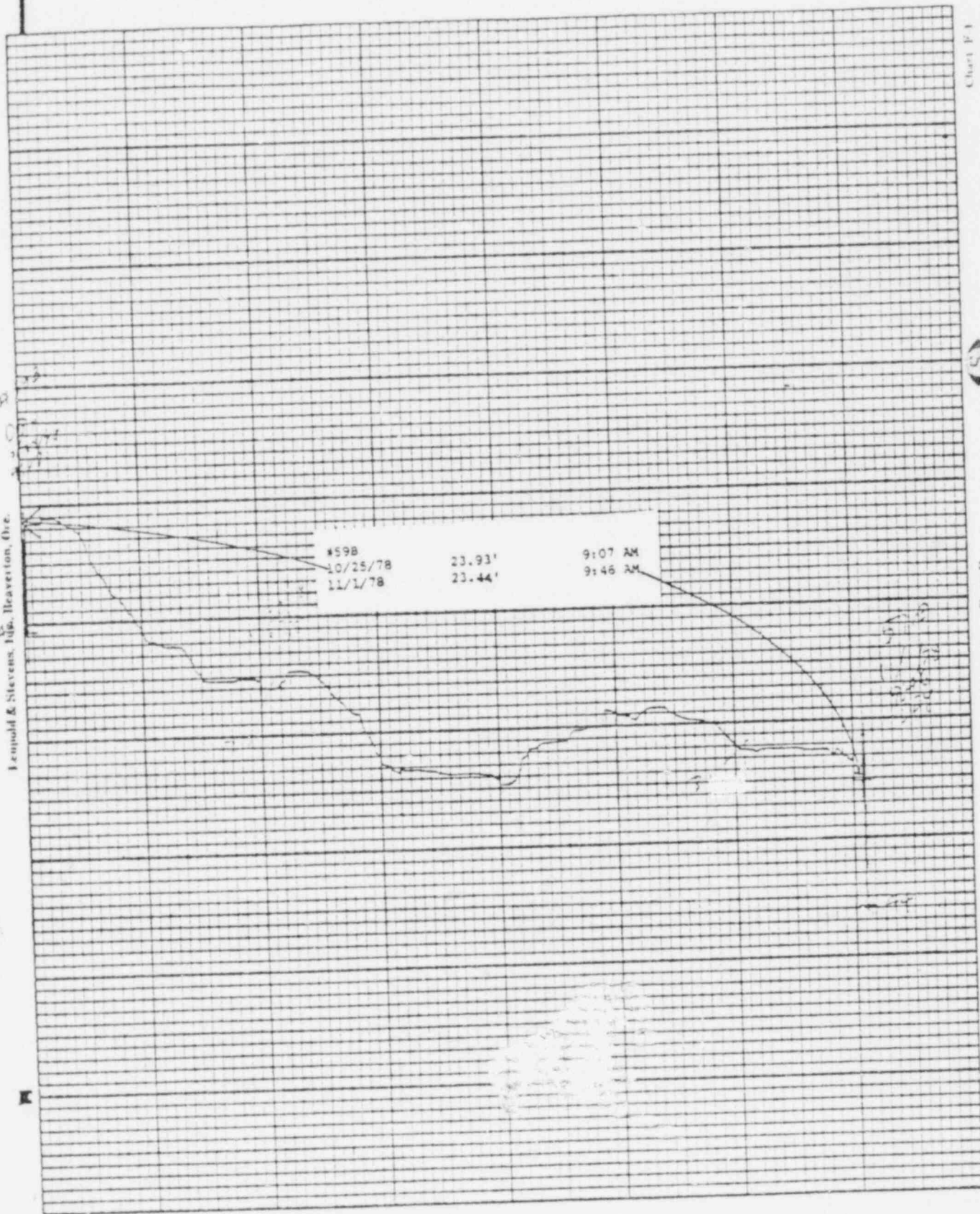


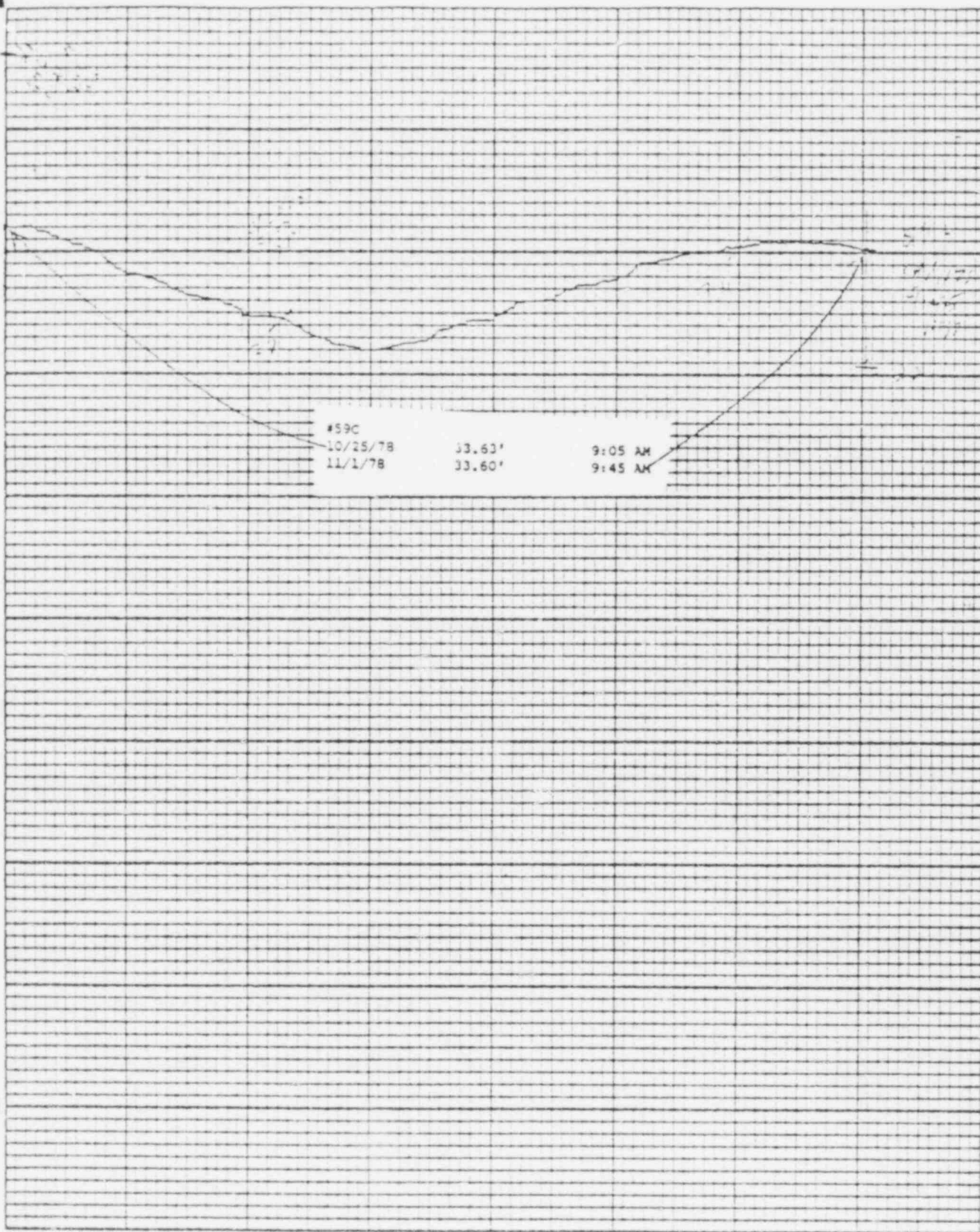
Chart F 1

(S)

Stevens Water Level Recorder — Type F

Printed in U.S.A.

Leopold & Stevens, Inc., Pleasanton, Cal.



BAILLY WELLS WITHOUT RECORDERS

11/1/78

| <u>WELL #</u> | <u>WATER ELEVATION IN FEET</u> |
|---------------|--------------------------------|
| 62 | 31.46 |
| 65 | 26.68 |
| 67 | 21.69 |
| 72 | 10.35 |
| 73 | 10.61 |
| 74 | 13.48 |

MD:lr
11/2/78

POND LEVELS

| <u>POND</u> | <u>11/1/78</u> |
|-------------|----------------|
| 1 | 28.87' |
| 2 | 30.49' |
| 3 | 28.83' |
| 4 | 23.91' |
| 5 | 23.49' |
| 6 | 23.73' |
| 7 | 28.47' |
| 8 | DRY |
| 9 | 28.56' |
| 10 | 38.71' |
| 11 | 39.87' |
| 12 | 36.64' |
| 13 | 37.31' |

MD:lr
11/2/78

PNEUMATIC PRESSURE TRANSDUCERS

11/1/78

| <u>TRANSDUCER</u> | <u>WATER ELEVATION IN FEET</u> |
|-------------------|--------------------------------|
| P-1 | 5.7 |
| P-2 | 7.4 |
| P-3 | 4.6 |
| P-4 | 12.1 |
| P-5 | 13.0 |
| P-6 | 13.7 |

MD:lr
11/2/78

WATER METER READINGS

| <u>DATE</u> | <u>TIME</u> | <u>METER READING (GALLONS)</u> | <u>INSTANTANEOUS FLOW RATE (GPM)</u> |
|----------------------------|-------------|--|--|
| <u>Sump Pump Discharge</u> | | | |
| 10/25/78 | 8:18 AM | 190263000 | 265 |
| 10/26/78 | 8:38 AM | 190649000 | 250 |
| 10/27/78 | 8:13 AM | 191018700 | 270 |
| 10/30/78 | 8:29 AM | 192144300 | 260 |
| 11/1/78 | 8:26 AM | 192871200 | 250 |

| <u>Well Point Discharge</u> | | | |
|-----------------------------|---------|---------|-----|
| 10/25/78 | 8:15 AM | 2021000 | 185 |
| 10/26/78 | 8:36 AM | 2264300 | 150 |
| 10/27/78 | 8:12 AM | 2501200 | 150 |
| 10/30/78 | 8:28 AM | 3182800 | 140 |
| 11/1/78 | 8:24 AM | 3741800 | 320 |

NOTE: The well point system was run continuously except for part of the day on 10/31/78.

MD:lr
11/2/78

USGS WELLS
(ELEVATION IN FEET ABOVE STATION DATUM)

11/1/78

| <u>WELL</u> | <u>WATER LEVEL</u> |
|-------------|--------------------|
| 19 | 23.75 |
| 20 | 24.05 |
| 21 | 30.20 |
| 22 | 29.98 |
| 23 | 29.72 |
| 101 | SEE NOTE |
| D-1 | 27.49 |
| D-2 | 24.00 |
| D-3 | 31.20 |
| G-1 | 35.29 |
| G-2 | 33.09 |
| G-3 | 34.10 |
| G-4 | 32.07 |
| G-5 | 34.74 |
| G-6 | 31.68 |

NOTE: The USGS has informed NIPSCO that USGS Well 101 was recording an incorrect number for 10/4/78. They think that the NIPSCO reading of Well 101 on 11/1/78 is also erroneous due to the recorder. When the questions on Well 101 are cleared up the water levels will be reported.

MD:lr
11/2/78

RAINFALL FLINT LAKE PUMP STATION

(RAINFALL IN INCHES)

SEPTEMBER 13, 1978 - OCTOBER 31, 1978

SEPTEMBER

DATE

| | |
|----|------|
| 13 | 0.45 |
| 14 | 0.44 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0.28 |
| 18 | 1.15 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0.26 |
| 22 | 0.02 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0.23 |

OCTOBER

DATE

| | |
|----|------|
| 1 | 0 |
| 2 | 0 |
| 3 | 0.4 |
| 4 | 0.10 |
| 5 | 0.21 |
| 6 | T |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0.11 |
| 13 | 0.06 |
| 14 | 1.38 |
| 15 | 0.04 |
| 16 | 0.21 |
| 17 | 0.02 |
| 18 | 0.15 |
| 19 | 0.02 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0.51 |
| 24 | 0.02 |
| 25 | 0.24 |
| 26 | 0.36 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |
| 31 | 0 |

T = Trace

DEWATERING INSTALLATION
10/18/78 - 10/25/78

A total of 47 well points were installed as shown on NSM-21, Rev. 5. Three additional points were installed as piezometers inside the excavation.

Well point system was run between 8:00 AM and 4:00 PM on 10/18/78, 10/19/78, and 10/20/78.

The well point system was turned on 12:00 midnight on Sunday 10/22/78 and was run continuously to 10/25/78.

The west flowing drain was installed on 10/23/78.

The east flowing drain was installed on 10/24/78.

The flowing drains were not piped to sump pump C as of 10/25/78.

MD/me

10/30/78