

**PLAN SYMBOLS**

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPERTY LINE
- CORPORATE OR CITY LIMITS
- RETAINING WALL
- RAILROAD
- RAILROAD RIGHT-OF-WAY

- RIVER OF CREEK
- CULVERT
- GUARDRAIL
- BARBED WIRE FENCE
- WOVEN WIRE FENCE
- CHAIN LINK FENCE
- STONE WALL
- HEDGE
- RAILROAD CROSSING SIGN
- CROSSING GATE
- MEANDER CORNER
- SLOPE EASEMENT (CONST. LIMITS)

- MARSH
- DECIDUOUS TREE
- CONIFEROUS TREE
- WOODS
- CATCH BASIN
- BRIDGE
- IRON PIPE OR ROD
- MONUMENT (STONE, CONCRETE OR METAL)
- WOODEN HUB

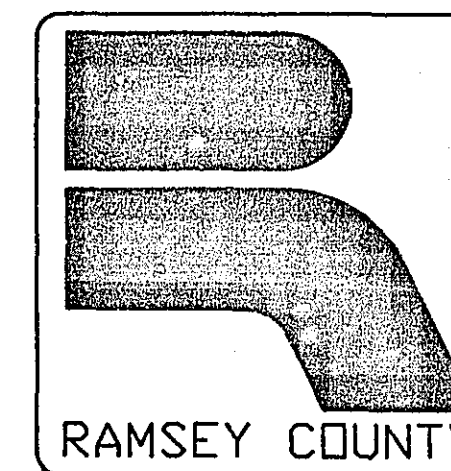
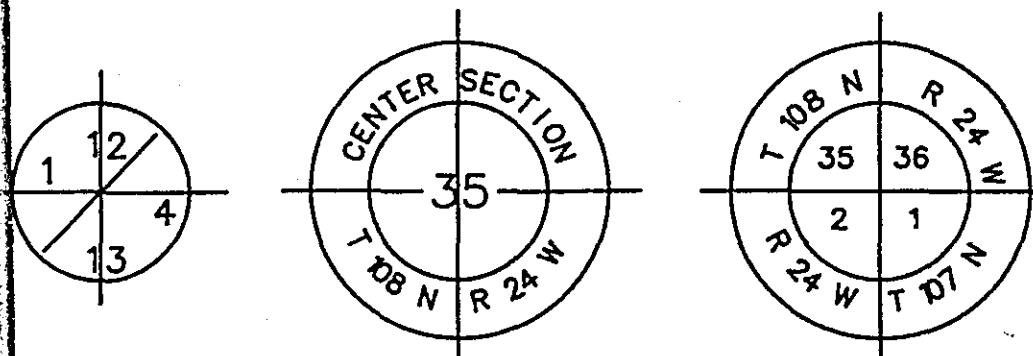
**UTILITY SYMBOLS**

- UTILITY POLE
- GUY OR ANCHOR
- STREET LIGHT
- TELEPHONE PEDESTAL
- GAS MAIN
- WATER MAIN
- TELEPHONE VAULT
- ELECTRIC VAULT
- BURIED TELEPHONE CABLE
- BURIED ELECTRIC CABLE
- SEWER (SANITARY OR STORM)
- SEWER MANHOLE
- GATE VALVE
- CONTROLLER CABINET
- EXISTING HYDRANT

FOR PLANS AND UTILITIES SYMBOLS SEE MN/DOT TECHNICAL MANUAL.

**-GOVERNING SPECIFICATIONS-**

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" AS AMENDED BY THE 1-2-91 SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.



**RAMSEY COUNTY**

DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION PLAN FOR: GRADING AND  
STORM SEWER

**BATTLE CREEK WETLAND MITIGATION AND  
GULLY RESTORATION PROJECT**

S.A.P. No. 62-651-32

LOCATION: SE 1/4 OF SECTION 1, TOWNSHIP 28, RANGE 22

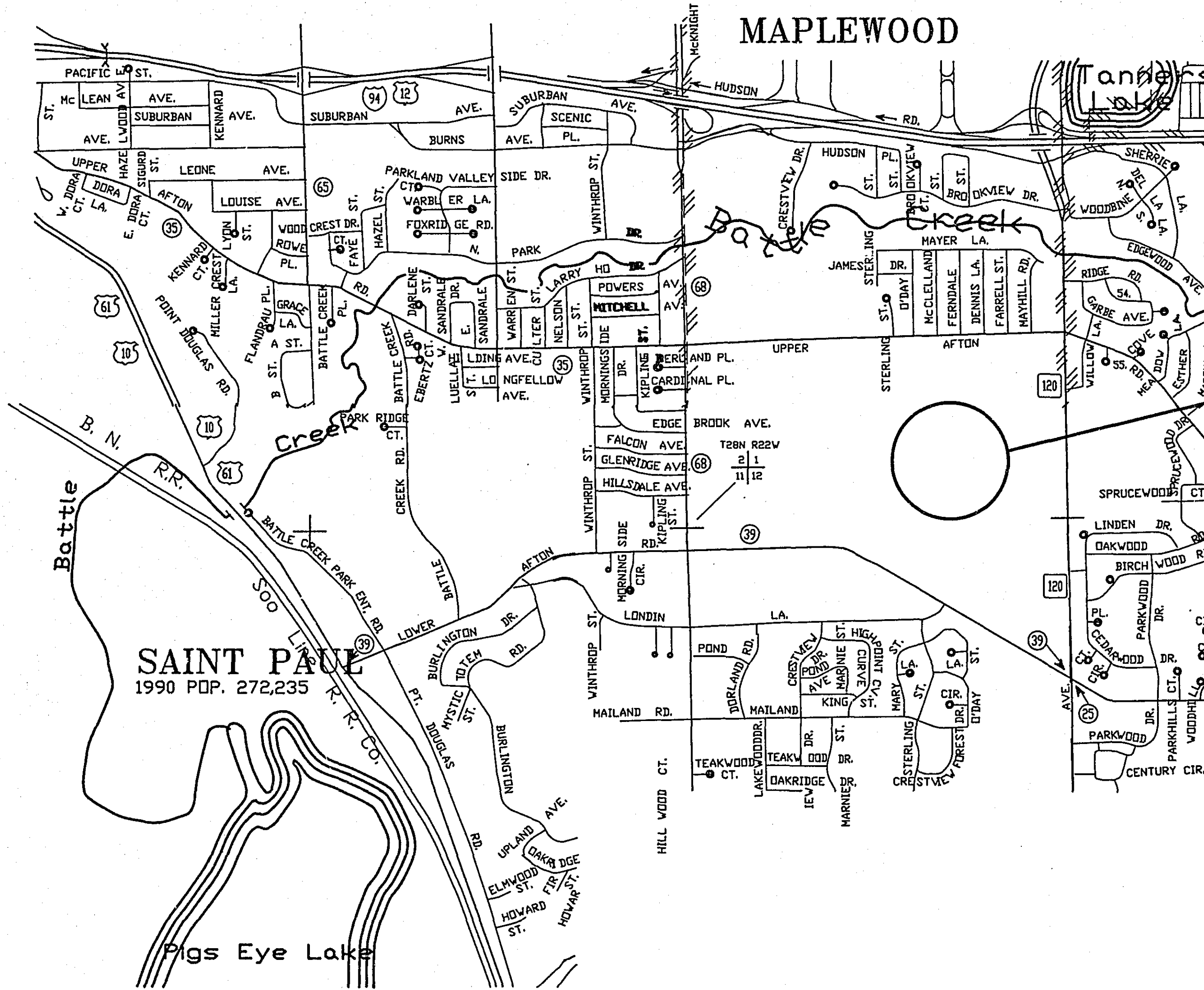
MITIGATION FOR:

LEXINGTON AVENUE (CSAH 51)  
BETWEEN ROYAL OAKS DRIVE AND COUNTY ROAD J (CSAH 1)  
S.A.P. 62-651-26

**INDEX**

SHEET NO.	DESCRIPTION
1	TITLE
2	ESTIMATED QUANTITIES
3	DETAILS
4	SITE PLAN
5	REMOVALS, SALVAGES AND INSTALLS
6	GRADING
7	STORM SEWER
8	PROFILE
9	BERM
10-12	CROSS SECTIONS

THIS PLAN CONTAINS 13 SHEETS



As Built  
7/25/96

DESIGN SQUAD \_\_\_\_\_ DATE \_\_\_\_\_  
DRAWN BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

**RAMSEY COUNTY**

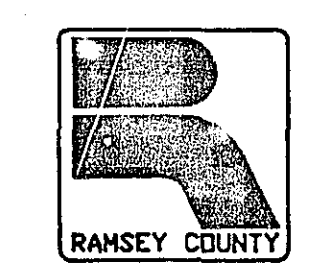
- RECOMMENDED FOR APPROVAL RHP DATE 9-8-92  
CONST. ENGR.
- RECOMMENDED FOR APPROVAL DLR DATE 9-8-92  
DESIGN ENGR.
- RECOMMENDED FOR APPROVAL KMR DATE 9-8-92  
ENVR. ENGR.
- RECOMMENDED FOR APPROVAL DSJ DATE 9-8-92  
MAINT. ENGR.
- RECOMMENDED FOR APPROVAL TAM DATE 4/9/92  
PLANNER
- RECOMMENDED FOR APPROVAL JAB DATE 9-8-92  
R.O.W. ENGR.
- RECOMMENDED FOR APPROVAL DES DATE 9-9-92  
TRAFFIC ENGR.
- RECOMMENDED Wynne Lomark DATE 9-8-92  
COORDINATING ENGR.
- RECOMMENDED James J. Lohr DATE 9/2/92  
PROGRAM ENGR.
- RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

- Kathy Rantala REG. NO. 21864 DATE 9/9/92
- RECOMMENDED FOR APPROVAL Paul Kelly DATE 9/9/92  
COUNTY ENGINEER
- APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
CHAIR OF THE RAMSEY COUNTY BOARD
- APPROVED David B. ... DATE 9/9/92  
CITY OF MAPLEWOOD
- APPROVED Wynne Lomark DATE 9/9/92  
DIRECTOR OF PARKS AND RECREATION
- APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DEPARTMENT OF COUNTY CORRECTIONS
- APPROVED James J. Lohr DATE 9/8/92

PLAN REVISIONS		
DATE	SHEET NO. & DESCRIPTION	BY
9/16/92	Sheet 2 - quantities & notes	KMR
7/25/96	As Built	Dennis Bodin, Kathy Jaschke, Katie Lessard

- MINNESOTA DEPARTMENT OF TRANSPORTATION
- RECOMMENDED FOR APPROVAL Wynne Lomark DATE 10/19/92  
STATE AID PLANS & SPEC. ENGR.
- RECOMMENDED FOR APPROVAL Mary J. Bieringer DATE 9/22/92  
DISTRICT STATE AID ENGINEER
- RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_
- APPROVED Dennis C. Carlson DATE 10/20/92  
STATE AID ENGINEER



ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	100% S.A.P.	100% COUNTY
(1) 2021.501	MOBILIZATION	L.S.	1	0.35	0.65
2101.501	CLEARING	ACRE	3.37 <del>2.35</del>	2.27 <del>1.5</del>	1.1 <del>0.85</del>
2101.506	GRUBBING	ACRE	3.37 <del>2.35</del>	2.27 <del>1.5</del>	1.1 <del>0.85</del>
2104.501	REMOVE BARBED WIRE FENCE	L.F.	320 <del>440</del>	90 <del>8</del>	230 <del>440</del>
2104.507	REMOVE TRASH	C.Y.	0 <del>10</del>	0	0 <del>10</del>
(2) 2104.521	SALVAGE METAL CULVERTS	L.F.	0 <del>32</del>	0 <del>32</del>	0
2104.521	SALVAGE BARBED WIRE FENCE	L.F.	0 <del>150</del>	0 <del>75</del>	0 <del>75</del>
(2) 2104.523	SALVAGE METAL APRONS	EA.	0 <del>8</del>	0 <del>8</del>	0
(3) 2105.501	COMMON EXCAVATION (P)	C.Y.	32476 <sup>10,000</sup> <del>10,000</del>	18420 <sup>10,000</sup> <del>10,000</del>	14056 <del>8</del>
(4) 2105.523	COMMON BORROW (LV)	C.Y.	0 <del>4000</del>	0	0 <del>4000</del>
(5) 2105.525	TOPSOIL BORROW (LV)	C.Y.	0 <del>6400</del>	0 <del>1785</del>	0 <del>4875</del>
(6) 0105.603	CONSTRUCT BERM	C.Y.	4349 <del>3400</del>	0	4349 <del>3400</del>
2211.501	AGGREGATE BASE, CLASS V	TON	282.17 <del>278</del>	0	282.17 <del>278</del>
2340.501	CONTRACTOR TESTING	TON	6.04 <del>8</del>	0	6.04 <del>8</del>
(7) 2340.508	TYPE 31 WEARING COURSE MIXTURE	TON	6.04 <del>8</del>	0	6.04 <del>8</del>
2501.511	24" CM PIPE CULVERT	L.F.	60	60	0
2501.515	15" CM PIPE APRON	EA.	1	0	1
2501.515	24" CM PIPE APRON	EA.	1	1	0
2501.573	INSTALL METAL APRON	EA.	1	1	0
2502.541	10" PERF. PVC PIPE DRAIN, SDR 35	L.F.	109 <del>100</del>	0	109 <del>100</del>
2503.511	15" PVC PIPE SEWER, SDR 35	L.F.	1058 <del>1013</del>	0	1058 <del>1013</del>
2503.511	24" PVC PIPE SEWER, SDR 35	L.F.	159 <del>157</del>	0	159 <del>157</del>
(8) 2506.506	CONSTRUCT SURFACE DRAIN DES. A	L.F.	49.5 <del>58</del>	0	49.5 <del>58</del>
(9) 2511.501	RANDOM RIPRAP, CLASS III	C.Y.	11.6	11.6	0
<del>2511.515</del>	<del>GEOTEXTILE FILTER, TYPE II</del>	<del>S.Y.</del>	<del>0</del>	<del>0</del>	<del>0</del>
0557.603	INSTALL BARBED WIRE FENCE	L.F.	206 <del>150</del>	90 <del>75</del>	116 <del>75</del>
2573.502	SILT FENCE, HEAVY DUTY	L.F.	40 <del>200</del>	40 <del>200</del>	0
2575.501	SEEDING	ACRE	11.9 <del>6.8</del>	4.7 <del>2</del>	7.2 <del>4.9</del>
2575.502	SEED MIXTURE 500	POUND	700 <del>215</del>	310 <del>8</del>	390 <del>215</del>
2575.502	SEED MIXTURE, SPECIAL 1	POUND	0 <del>78</del>	0 <del>78</del>	0
2575.511	MULCH MATERIAL, TYPE 1	TON	24 <del>12.8</del>	10 <del>4</del>	14 <del>8.8</del>

QUANTITY NOTES

1. INCLUDES PATH DETOUR. SEE SPECIAL PROVISIONS.
2. DELIVER EXCESS SALVAGED ITEMS TO RAMSEY COUNTY PARKS AND REC., 2015 VAN DYKE STREET, MAPLEWOOD
3. INCLUDES EXCAVATION OF MATERIAL FROM APPROXIMATELY STA. 9+00 TO STA. 11+00 AND PLACEMENT OF MATERIAL FROM APPROXIMATELY STA. 1+00 TO STA. 9+00, TO THE SPECIFIED CROSS SECTION. ALSO INCLUDES SALVAGE TOPSOIL, REMOVE BITUMINOUS PAVEMENT, AND TEMPORARY SEEDING.
4. COMMON BORROW INCLUDES MATERIAL WHICH MAY OR MAY NOT BE NECESSARY TO COMPLETE THE FINISHED GROUND TO THE DESIRED CROSS SECTION.
5. DOES NOT INCLUDE SALVAGE TOPSOIL.
6. INCLUDES EXCAVATION OF MATERIAL FROM ONE OF TWO BORROW SITES SHOWN ON SHEET 4 AND PLACEMENT OF MATERIAL FOR THE BERM FOR THE WATER AND SEDIMENTATION BASIN. ALSO INCLUDES RESTORATION OF THE BORROW AREAS AND GRADING SOUTH OF BERM.
7. INCLUDES BITUMINOUS MATERIAL FOR MIXTURE AND TACK COAT.
8. INCLUDES STOOL GRATE, SHORT CONE, AND STEPS. SEE SPECIAL PROVISIONS.
- (9) GRAN. OR GEO. FILTER MATERIAL WILL BE CONSIDERED INCIDENTAL TO RIPRAP CONSTRUCTION AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR.

CONSTRUCTION NOTES

IN ADDITION TO THE MN/DOT SPECIFICATIONS, THE SOIL CONSERVATION SERVICE "CONSTRUCTION AND MATERIAL SPECIFICATIONS" SHALL ALSO APPLY. SEE THE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL EXAMINE THE SITE PRIOR TO SUBMITTING A BID. BEFORE CLEARING AND GRUBBING BEGINS, TREES TO BE SAVED SHALL BE SAFEGUARDED. SEE THE SPECIAL PROVISIONS.

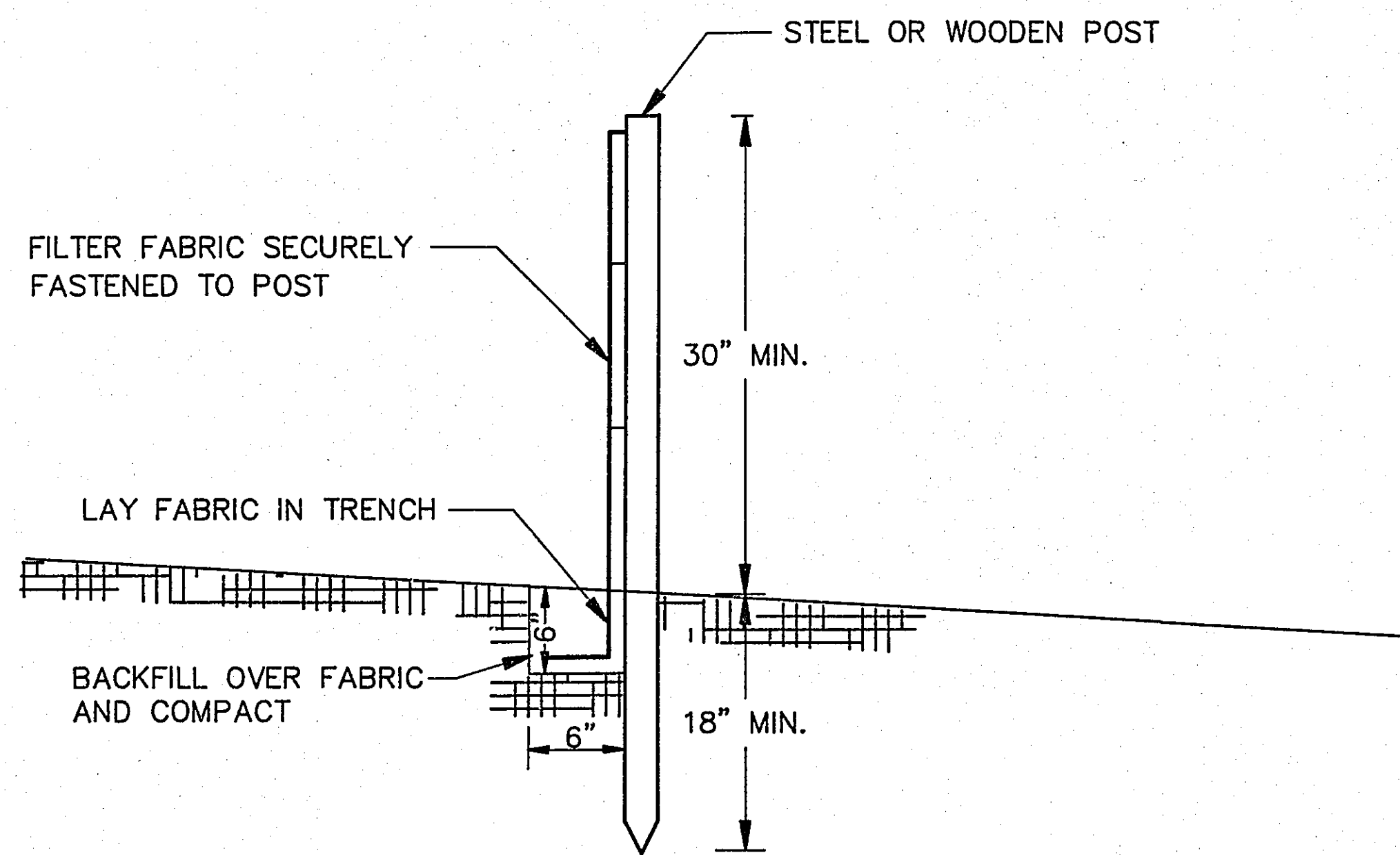
STANDARD PLATES

THE FOLLOWING STANDARD PLATES AS APPROVED BY THE FHWA SHALL APPLY

NO.	DESCRIPTION
0005A	SPECIFICATION REFERENCE TO STANDARD PLATES
3040F	CORRUGATED METAL PIPE CULVERT
3123J	METAL APRON FOR C.S. PIPE
3124B	METAL APRON CONNECTION
3134B	RIPRAP AT CMP OUTLETS
3221C	CORRUGATED STEEL PIPE COUPLING BAND
4000I	MANHOLE OR CATCH BASIN
4010G	CONC. SHORT CONE & ADJUSTING RING
4143D	STOOL GRATE & CONCRETE FRAME
4180H	MANHOLE OR CATCH BASIN STEP

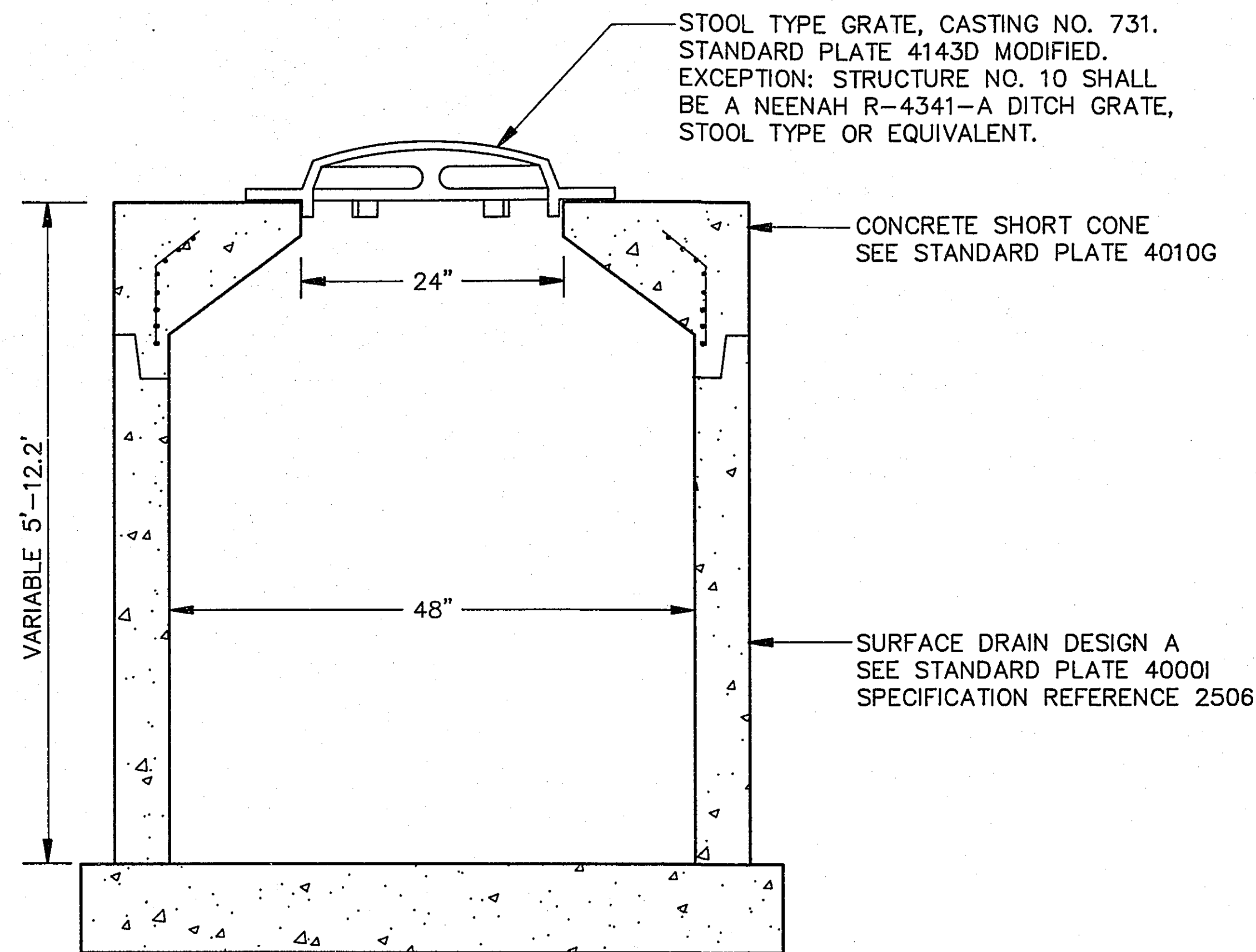
As-Built  
7/25/96  
KL





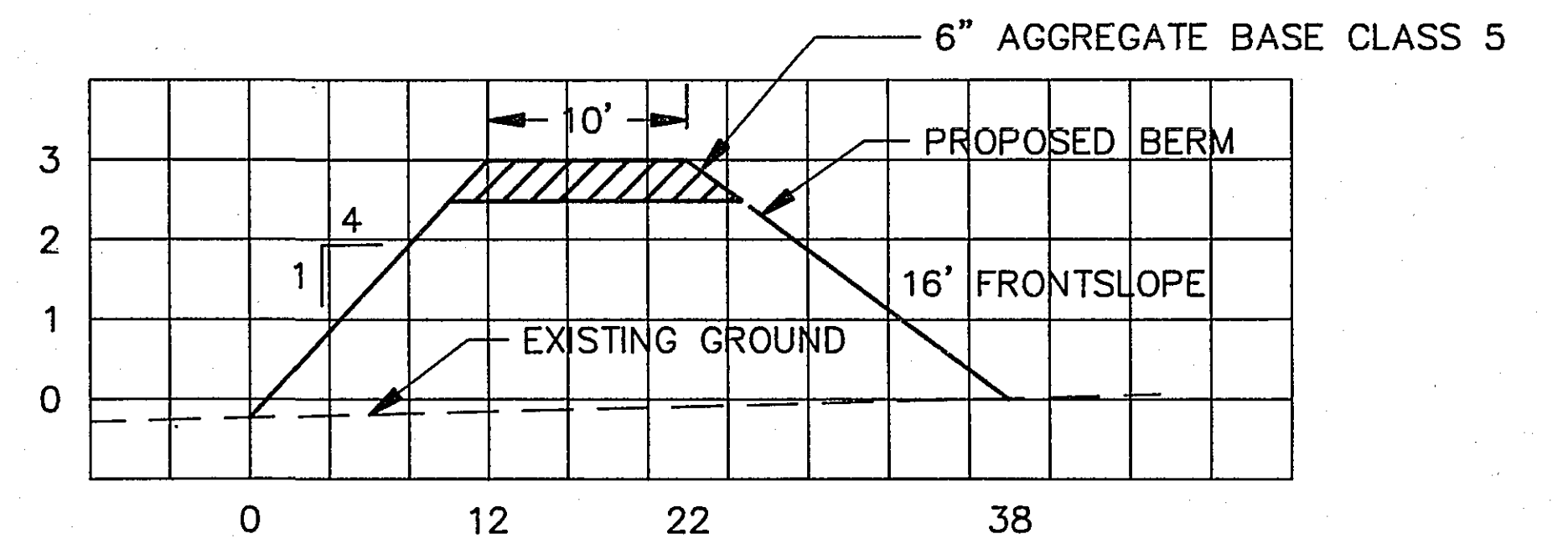
**SILT FENCE DETAIL**

NO SCALE  
SEE PLAN SHEETS FOR SILT FENCE LOCATIONS



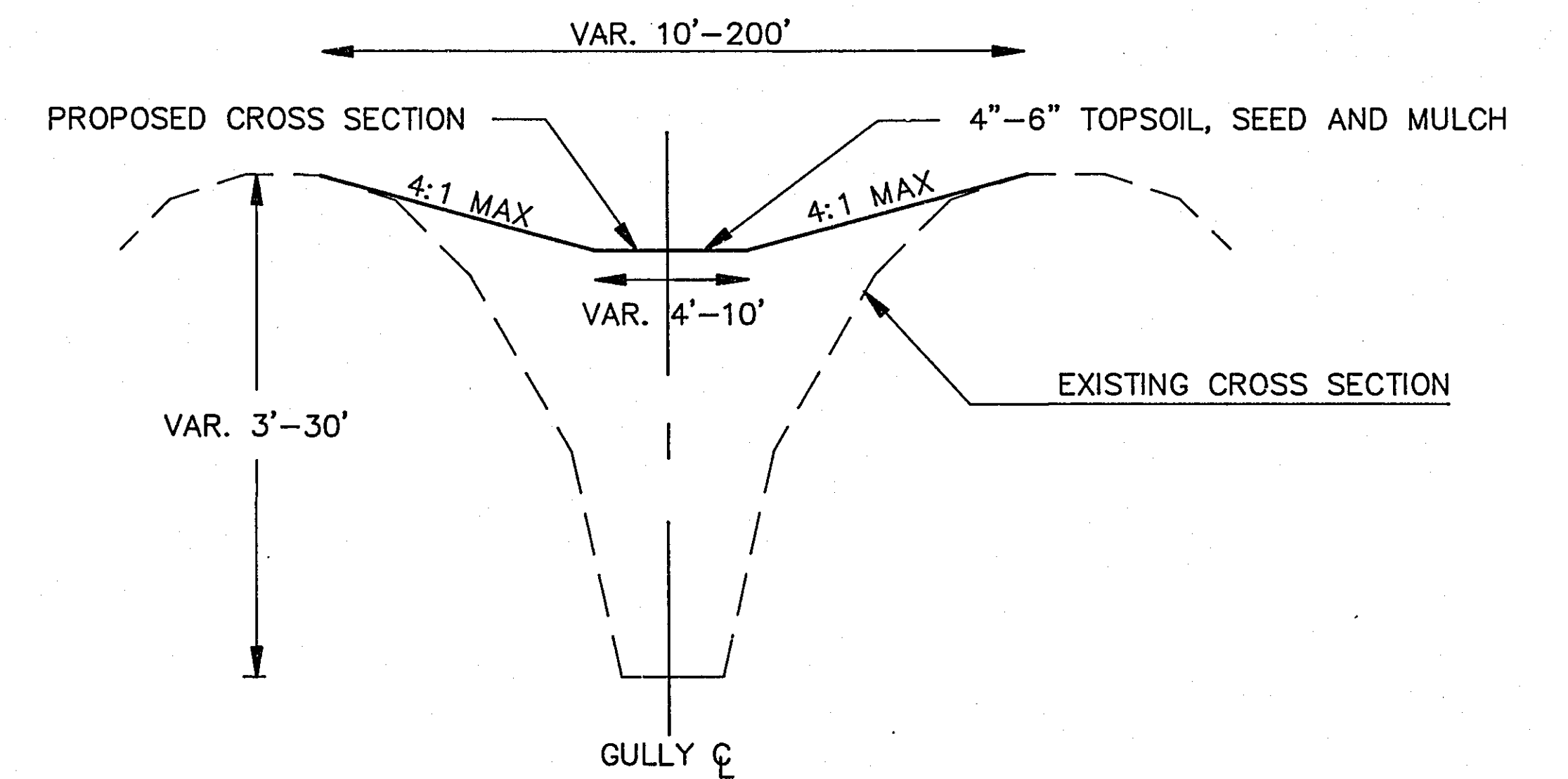
**SURFACE DRAIN DETAIL**

SCALE: 1" = 1'



**TYPICAL SECTION - BERM**

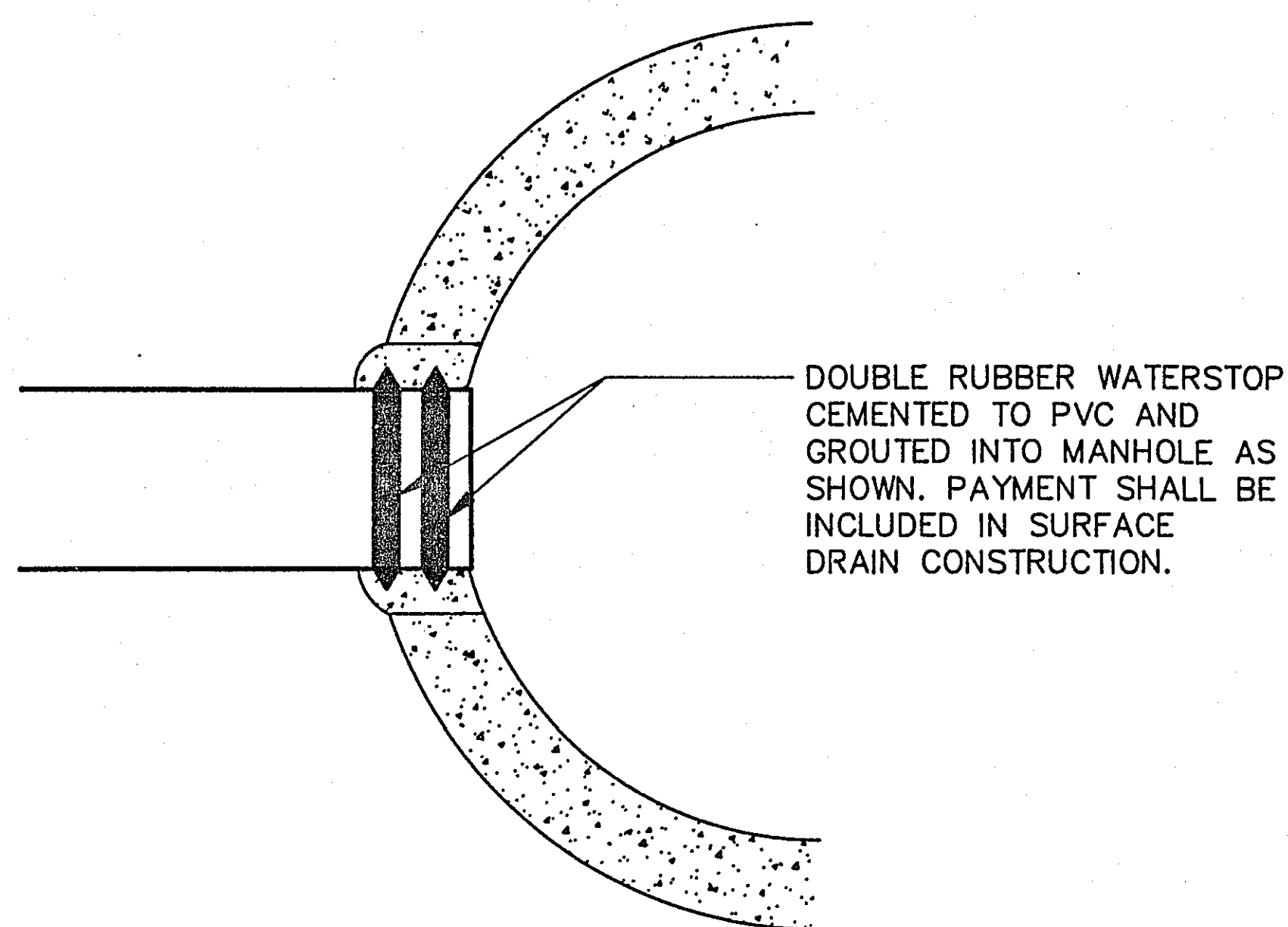
NO SCALE



**TYPICAL SECTION - GULLY**

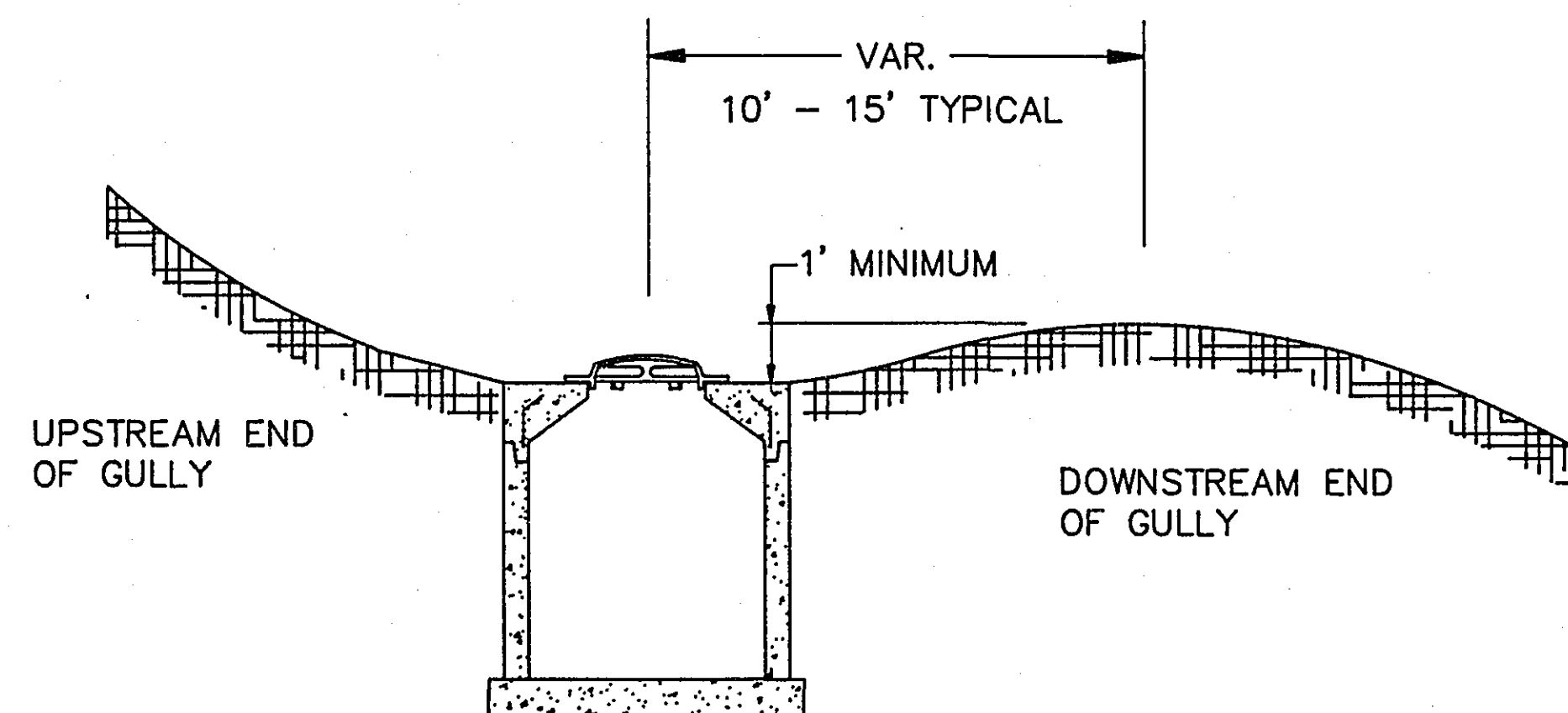
STATION 1+00± TO 9+00±

NO SCALE



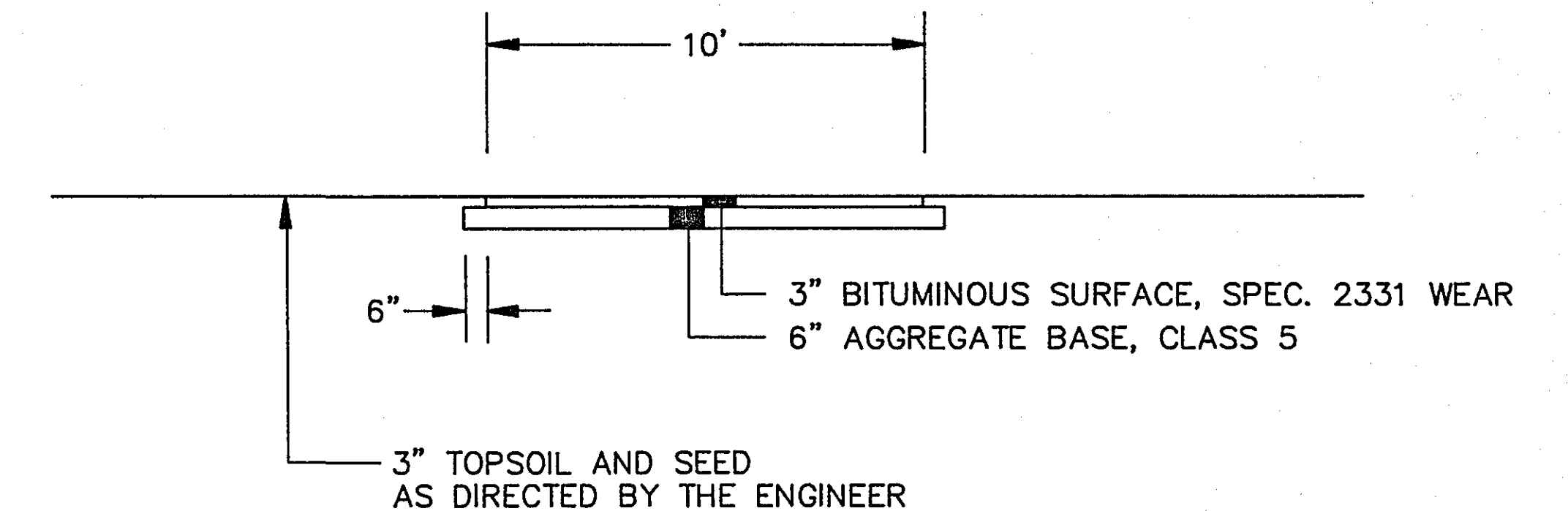
**P.V.C. MANHOLE CONNECTION DETAIL**

NO SCALE



**TYPICAL GRADING AROUND SURFACE DRAINS**

NO SCALE



**EXISTING AND PROPOSED TYPICAL SECTION BITUMINOUS PATH**

NO SCALE

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7/25/96  
KL

ENV39

UPPER AFTON ROAD

ACCESS ROAD FOR TREE WORK ONLY

BIT. PATH

BIT. PATH

WETLAND MITIGATION SEE SHEET 6

BATTLE CREEK REGIONAL PARK

ACCESS TO WETLAND AND GULLY

GULLY RESTORATION SEE SHEET 6,7,8

\* BORROW SITE

ACCESS ROADS

BERM AND SEDIMENTATION BASIN SEE SHEET 9

BORROW SITE \*

RAMSEY COUNTY CORRECTIONAL FACILITY

ACCESS ROAD

WORKHOUSE

SAINT PAUL

MAPLEWOOD

McKNIGHT ROAD

MAPLEWOOD

WOODBURY

CENTURY AVENUE

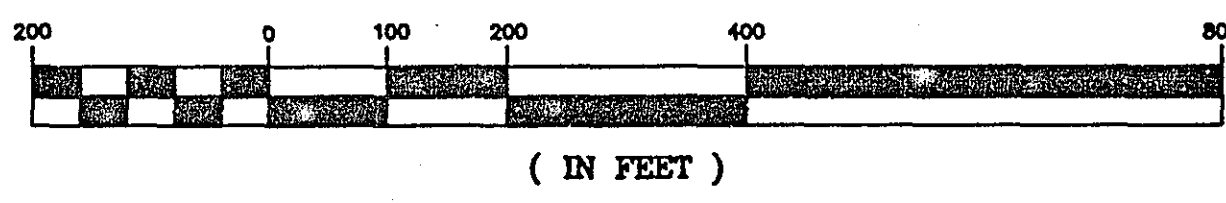
RAMSEY COUNTY

WASHINGTON COUNTY

LOWER AFTON ROAD

- PROPERTY LINE
- BIT. PATH
- - - GRAVEL PATH
- ~~~~ TREE LINE

GRAPHIC SCALE



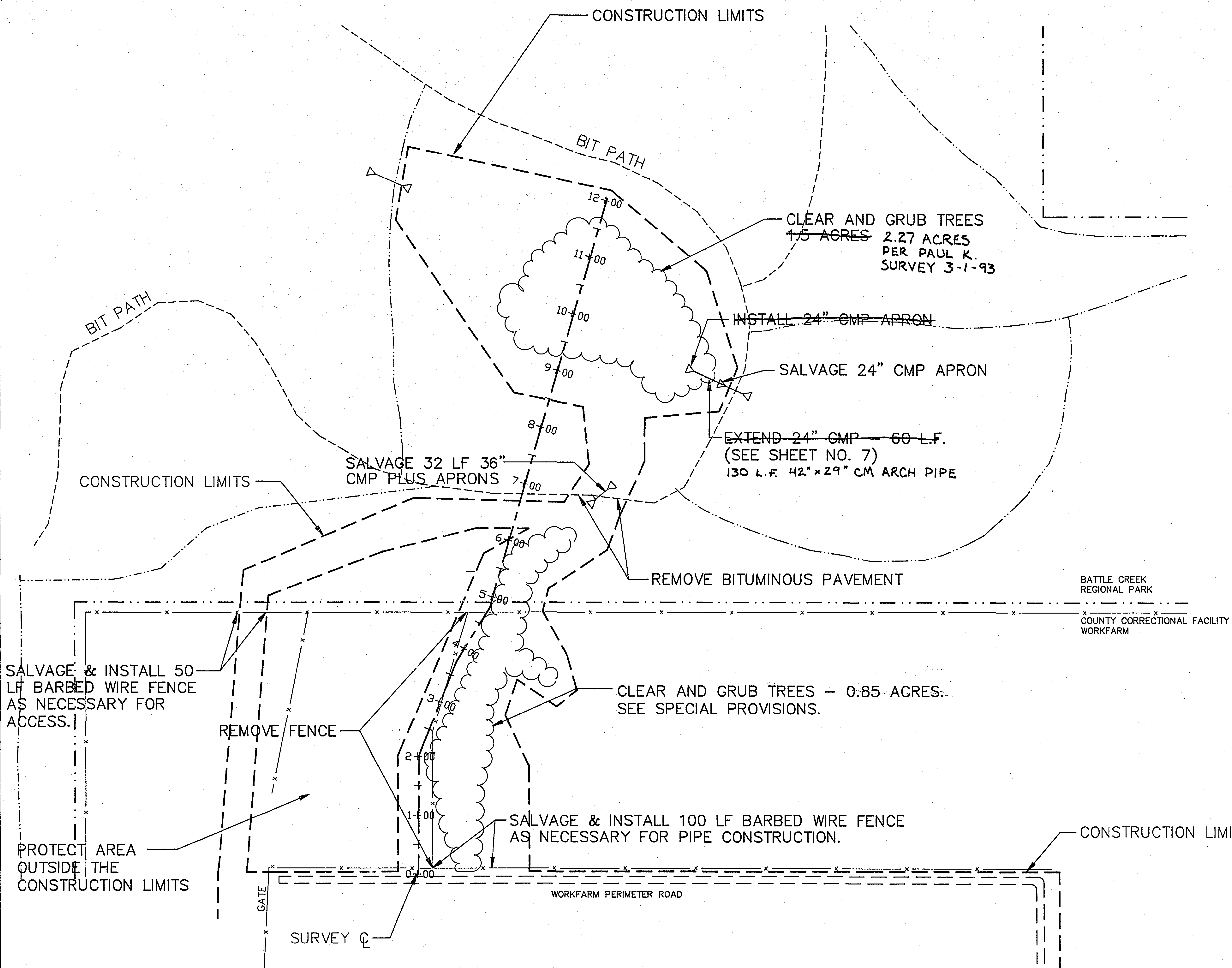
BATTLE CREEK GULLY RESTORATION PROJECT

S.A.P. NO. 62-651-32

AS BUILT  
7/25/90  
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SITE PLAN  
ENV.39

SHEET NO. 4 OF 12 SHEETS



**CONSTRUCTION NOTES:**

TREES, INCLUDING ALL DEADFALL, TO BE CLEARED AND GRUBBED SHALL BE MARKED BY THE ENGINEER.

THE CONTRACTOR SHALL PLACE SNOW FENCE AROUND THE DRIP LINE OF TREES TO BE SAVED. THIS WORK IS INCLUDED IN THE COST OF CLEARING AND GRUBBING.

TREES MAY BE CHIPPED AND CHIPS TAKEN TO BOYS TOTEM TOWN, 398 TOTEM ROAD. SEE THE SPECIAL PROVISIONS.

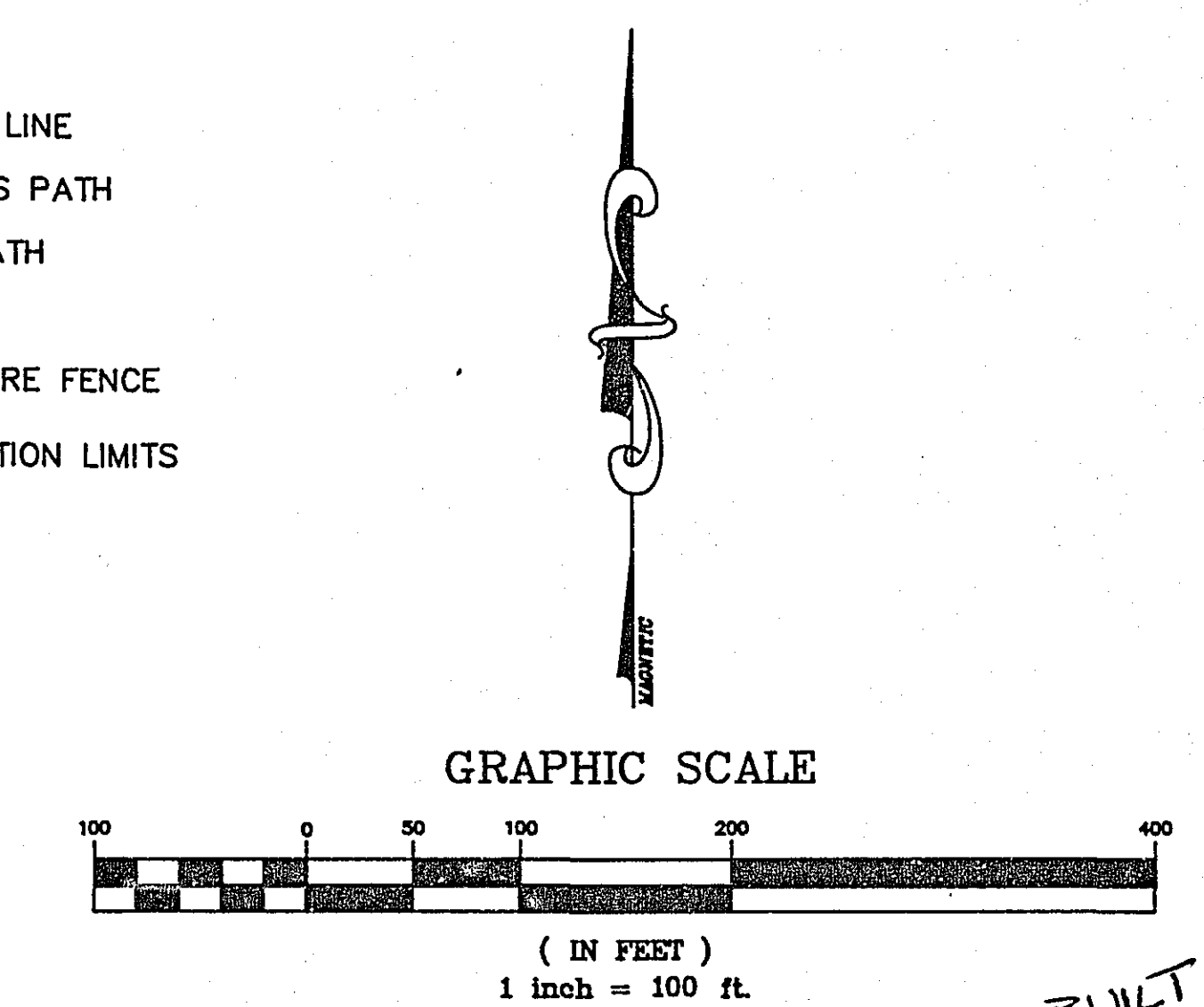
TRASH TO BE REMOVED SHALL BE MARKED BY THE ENGINEER.

TRASH REMOVAL, WITHIN THE FILL AREAS, SHALL INCLUDE WHOLE TIRES AND INTACT APPLIANCES.

NON-HAZARDOUS TRASH FOUND WITHIN THE FILL AREAS MAY BE BURIED AS IS. ALL OTHER TRASH WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.

THE 36" APRONS AND CMP TO BE SALVAGED SHALL BE DELIVERED TO RAMSEY COUNTY PARKS AND REC., 2015 VAN DYKE, MAPLEWOOD

- ..... PROPERTY LINE
- BITUMINOUS PATH
- GRAVEL PATH
- ~~~~~ TREE LINE
- x----- BARBED WIRE FENCE
- CONSTRUCTION LIMITS



AS BUILT  
7/25/90  
KL

BATTLE CREEK GULLY RESTORATION PROJECT REMOVALS, SALVAGES AND INSTALLS

S.A.P. NO. 62-651-32

SHEET NO. 5 OF 12 SHEETS

ENV 39



CONSTRUCTION NOTES:

INSTALL SILT FENCE PRIOR TO ANY GRADING. SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED WHEN THE SILT FENCE IS REMOVED.

COMPACTION SHALL BE BY THE ORDINARY COMPACTION METHOD.

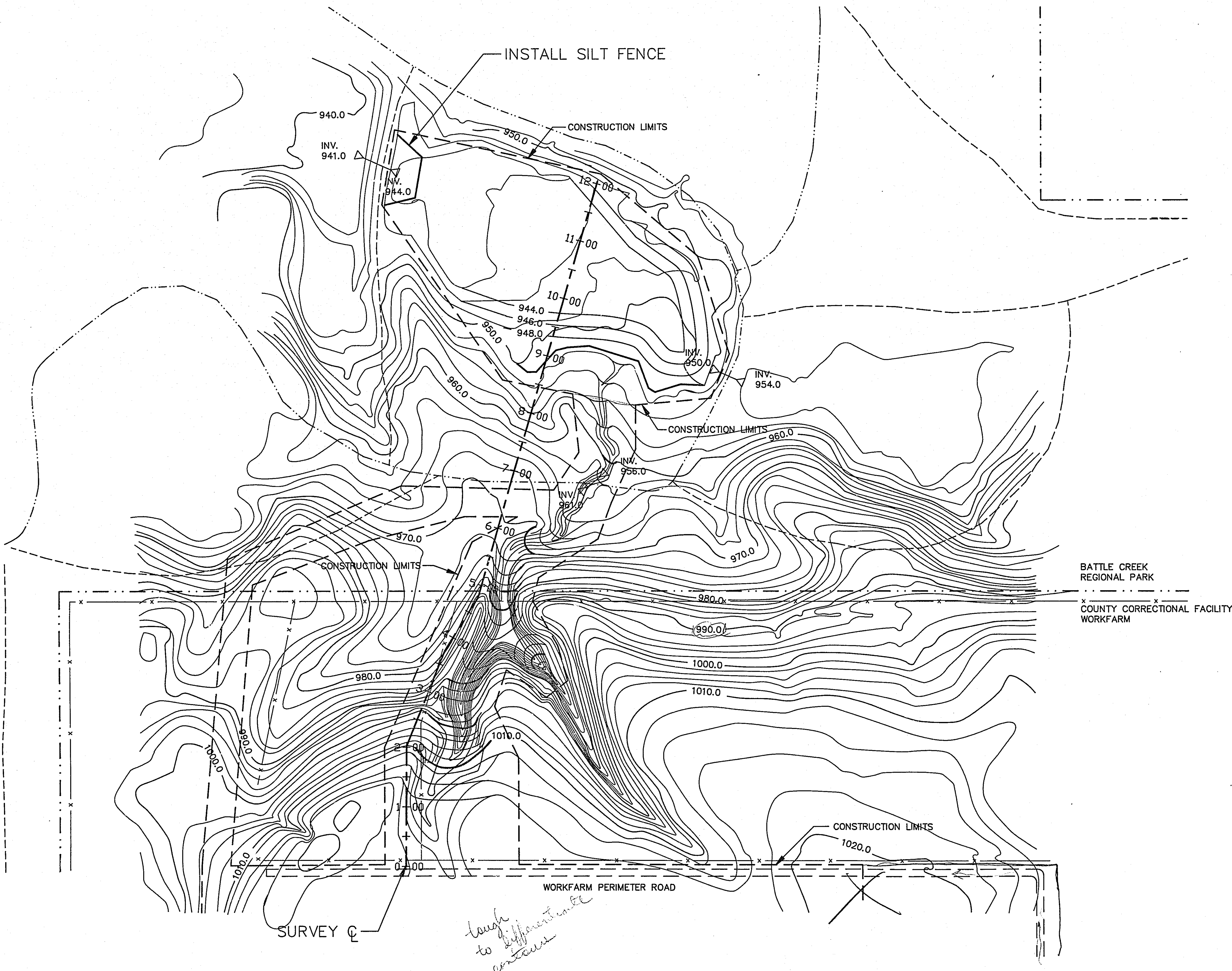
MATERIAL UNDER THE PIPES AND MANHOLES SHALL BE PLACED IN ONE FOOT INCREMENTS AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.

STRIP TOPSOIL AND STOCKPILE FOR LATER USE.

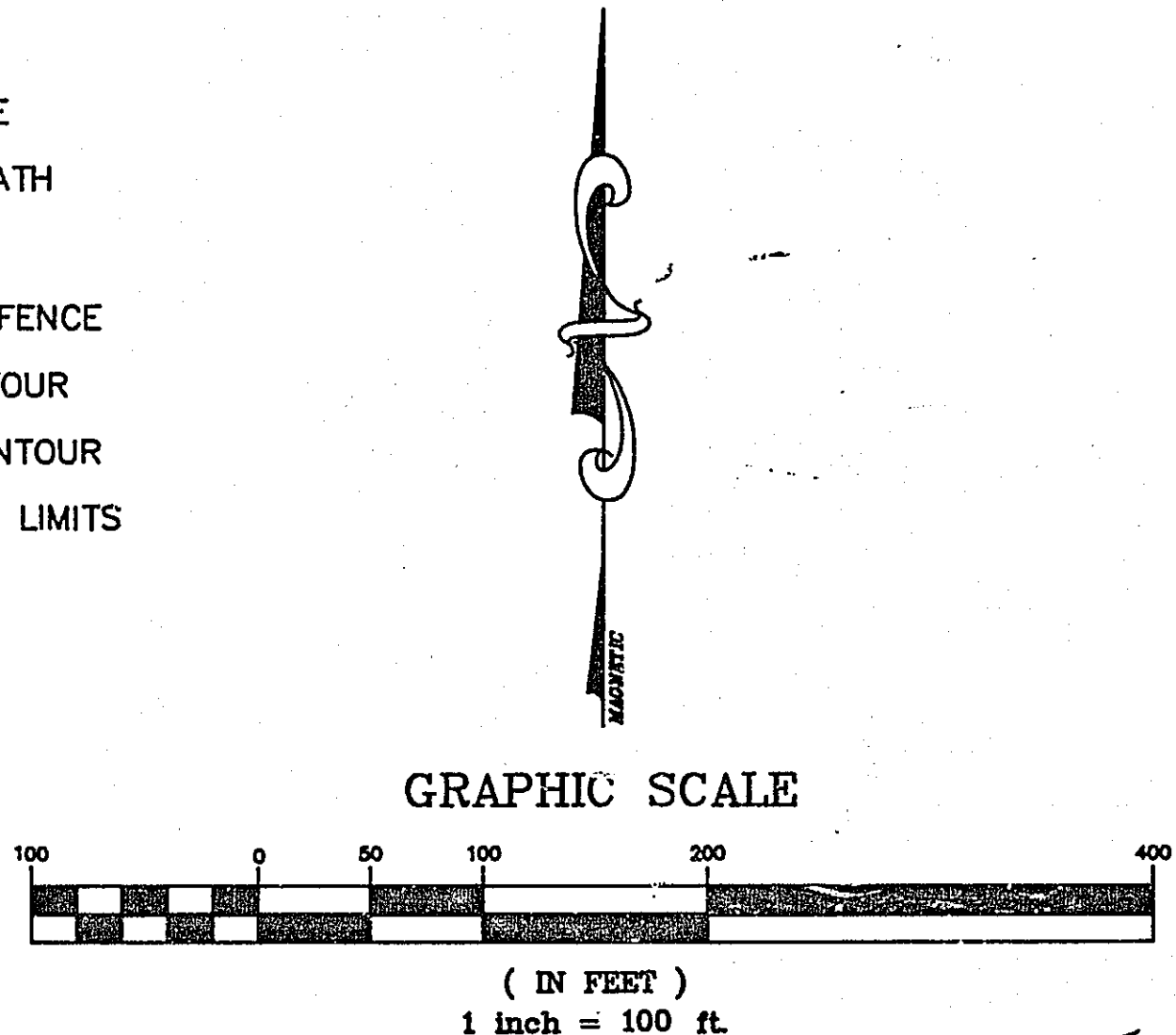
X-SECTS FROM STA. 9400+ TO STA. 12+00, THE <sup>width</sup> <sub>width</sub> <sup>of the</sup> <sub>of the</sub> <sup>work</sup> <sub>work <sup>area</sup> <sub>area</sub> MAY BE ALTERED</sub>

SUITABLE <sup>as determined by the engineer</sup> MATERIAL EXCAVATED FROM STA. 9400+ TO STA. 12+00+ SHALL BE USED AS FILL MATERIAL FOR AT STA. 0+00+ TO STA. 9400+.

UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.



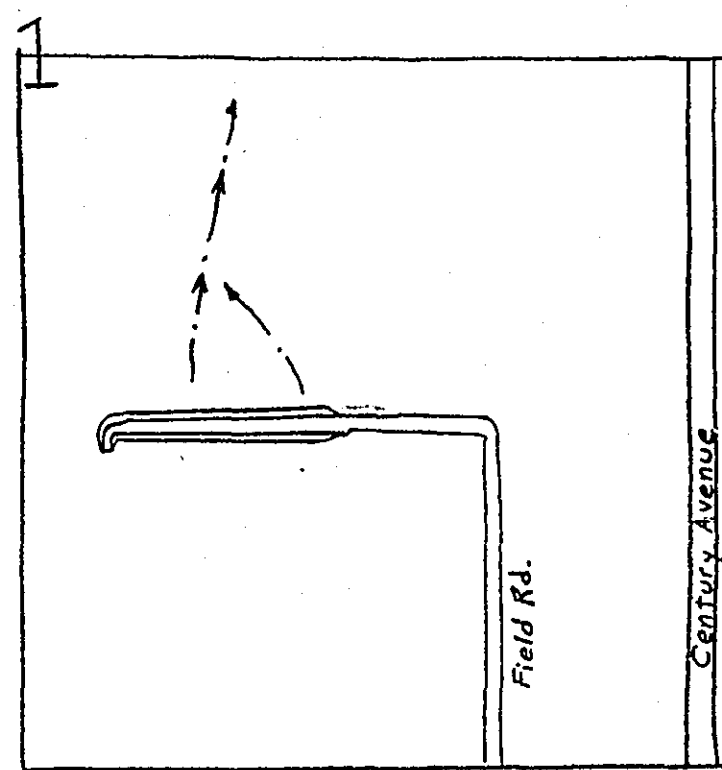
- PROPERTY LINE
- BITUMINOUS PATH
- GRAVEL PATH
- x- BARBED WIRE FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- CONSTRUCTION LIMITS



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KL

ENV 39  
GRADING PLAN





R. 22 W.  
LOCATION MAP

T. 28 N.

B.M. - Spike in dead tree approx.  
50' East of WC Fence Corner.  
Elevation = 1018.92

Wood Lath Marking  
End of E Fill

Wood Lath Marking  
End of E Fill

ESTIMATED QUANTITIES

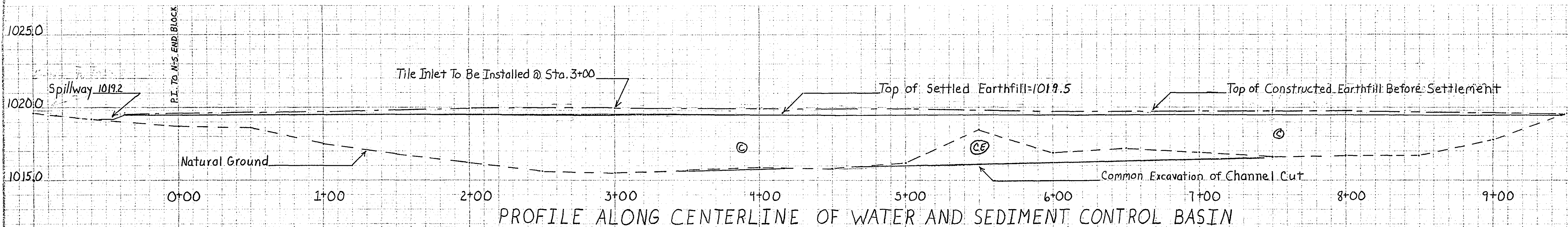
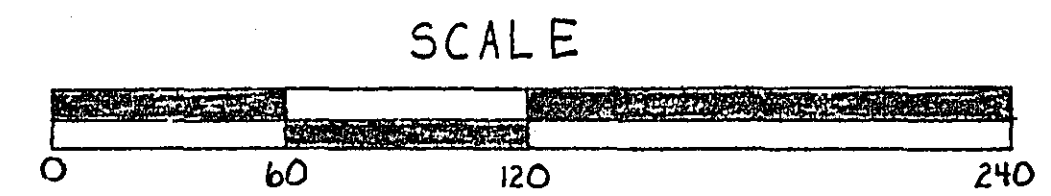
SEEDING, FERTILIZING AND MULCHING	1.3 AC.
EARTH FILL	3,400 CU. YDS.
COMMON EXCAVATION	65 CU. YDS.
SALVAGING AND SPREADING TOPSOIL	800 CU. YDS.
CLEARING AND GRUBBING	1 L. S.
8" NON-PERFORATED PLASTIC DRAINAGE TUBING	215 LIN. FT.
8" PERFORATED PLASTIC DRAINAGE TUBING	100 LIN. FT.
10" TILE INLET W/OFFSET	1 EA.

BARBED WIRE FENCE

Intake

Drainage Tubing

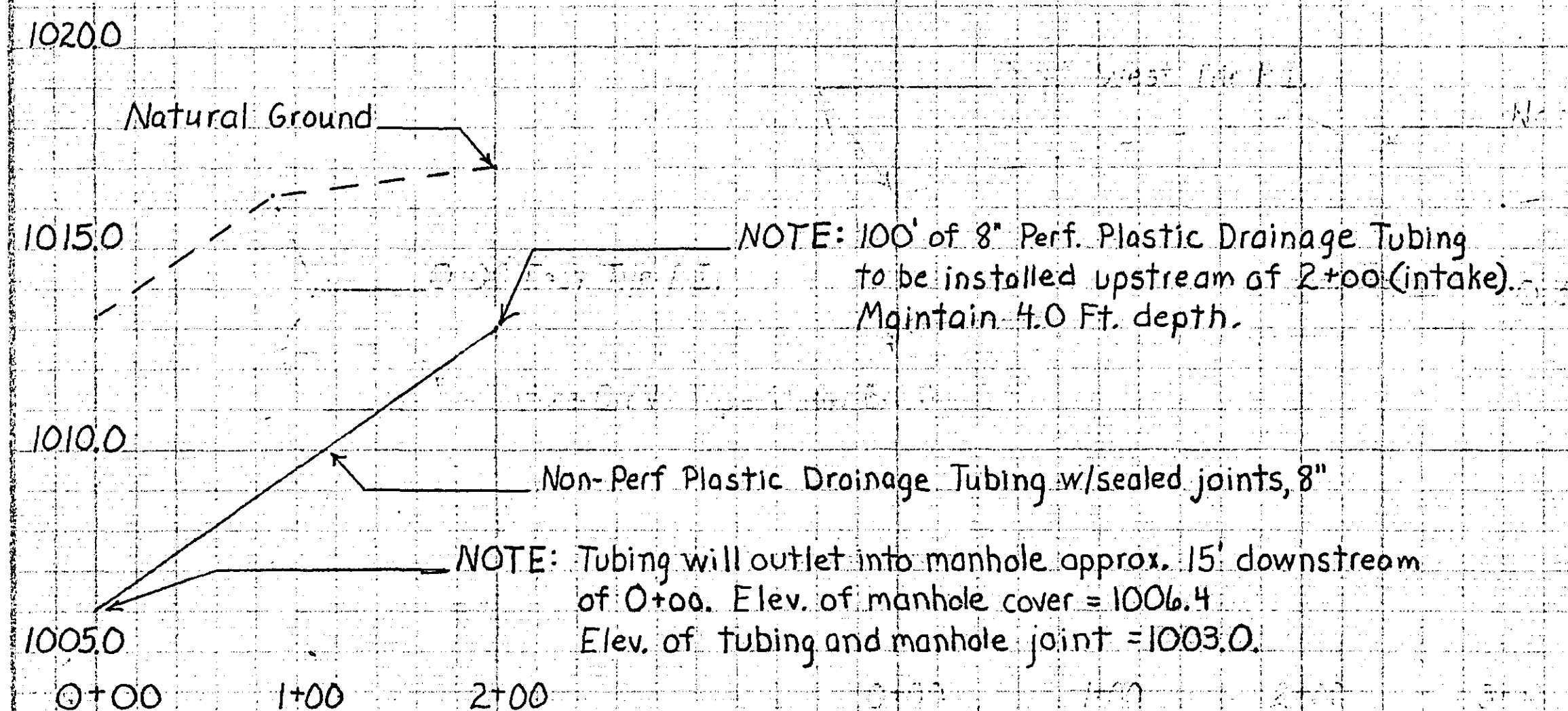
PLAN VIEW



PROFILE ALONG CENTERLINE OF WATER AND SEDIMENT CONTROL BASIN

MINNESOTA SPECIFICATIONS FOR CONSERVATION PRACTICES APPLY FOR ALL MATERIALS AND CONSTRUCTION WORK. THESE SPECIFICATIONS ARE PART OF THIS PLAN.

NOTE: CHANGES IN THE PLAN OR SPECIFICATIONS MUST BE APPROVED BY THE OWNER AFTER CONSULTATION WITH THE APPROPRIATE SCS TECHNICIAN PRIOR TO IMPLEMENTING THE CHANGE.



PROFILE-TILE LINE PRINCIPAL SPILLWAY

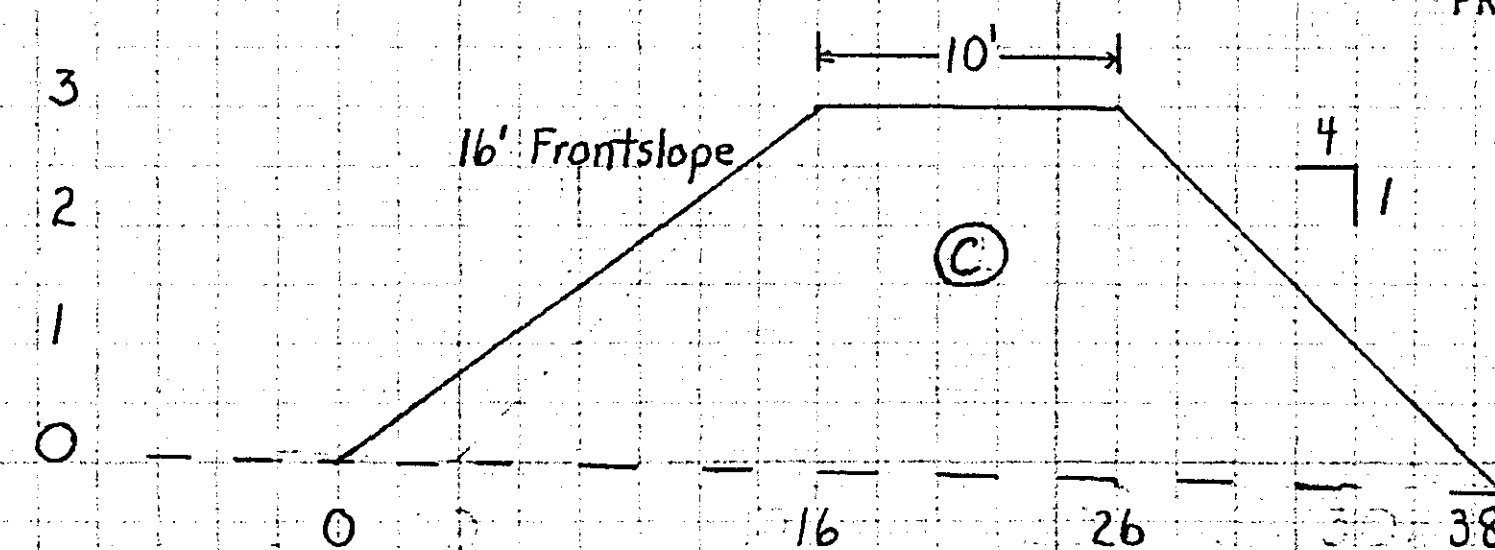
NOTE: 100' of 8" Perf. Plastic Drainage Tubing to be installed upstream of 2+00 (intake). Maintain 4.0 Ft. depth.

Non-Perf Plastic Drainage Tubing w/sealed joints, 8"

NOTE: Tubing will outlet into manhole approx. 15' downstream of 0+00. Elev. of manhole cover = 1006.4. Elev. of tubing and manhole joint = 1003.0.

BEFORE START OF CONSTRUCTION, THE OWNER(S) OF ANY UTILITIES INVOLVED MUST BE NOTIFIED. THE EXCAVATOR IS RESPONSIBLE FOR GIVING THIS NOTICE BY CALLING "GOPHER STATE ONE-CALL" AT (612) 454-0002 (TWIN CITIES METRO AREA) OR (800) 252-1166 (ALL OTHER LOCATIONS) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

THE OWNER IS RESPONSIBLE FOR OBTAINING LAND RIGHTS AND LOCAL, STATE, AND FEDERAL PERMITS OR OTHER PERMISSION NECESSARY TO PERFORM AND MAINTAIN THE PRACTICE.



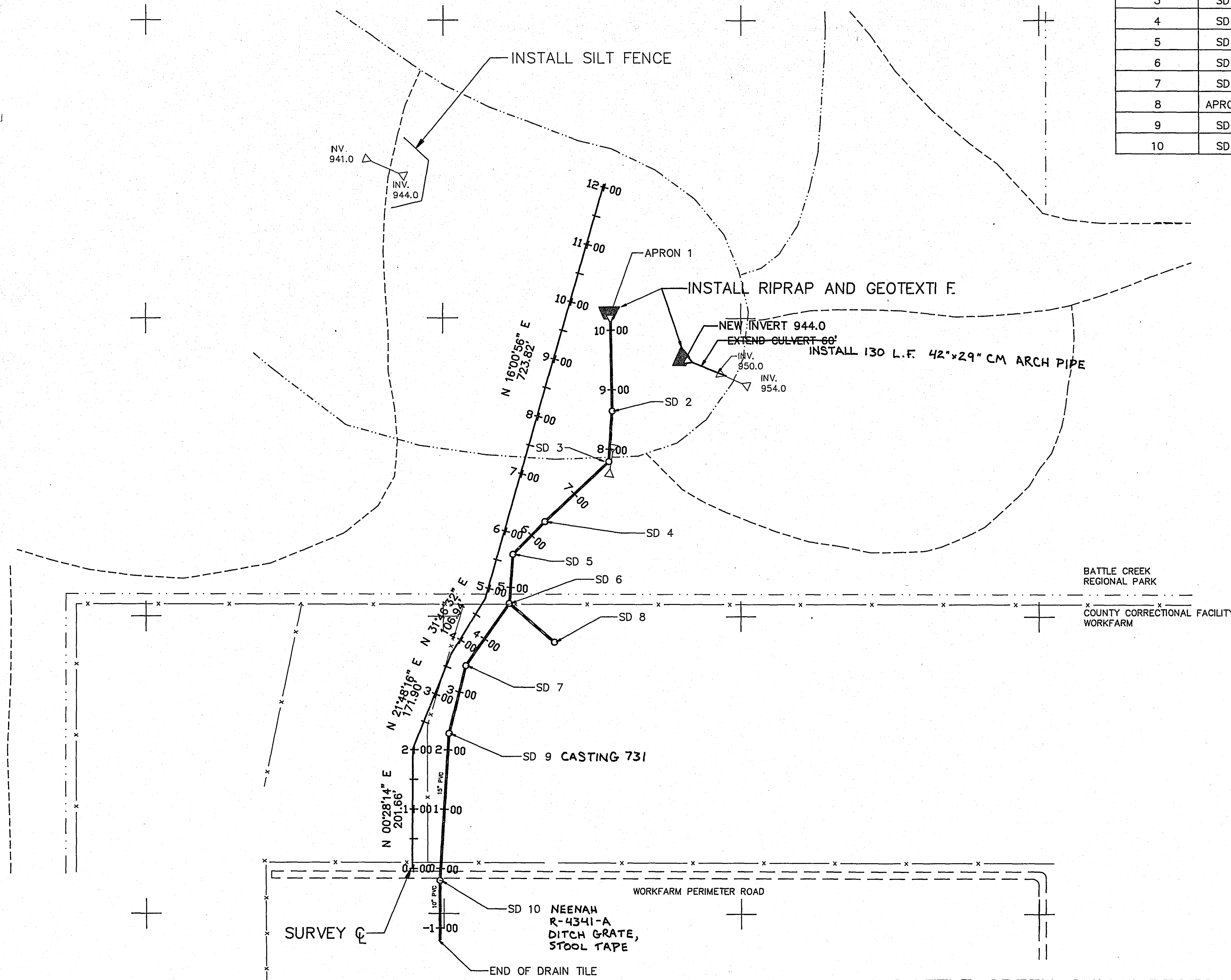
TYPICAL CROSS SECTION

AS BUILT  
7/25/90  
ENV 39

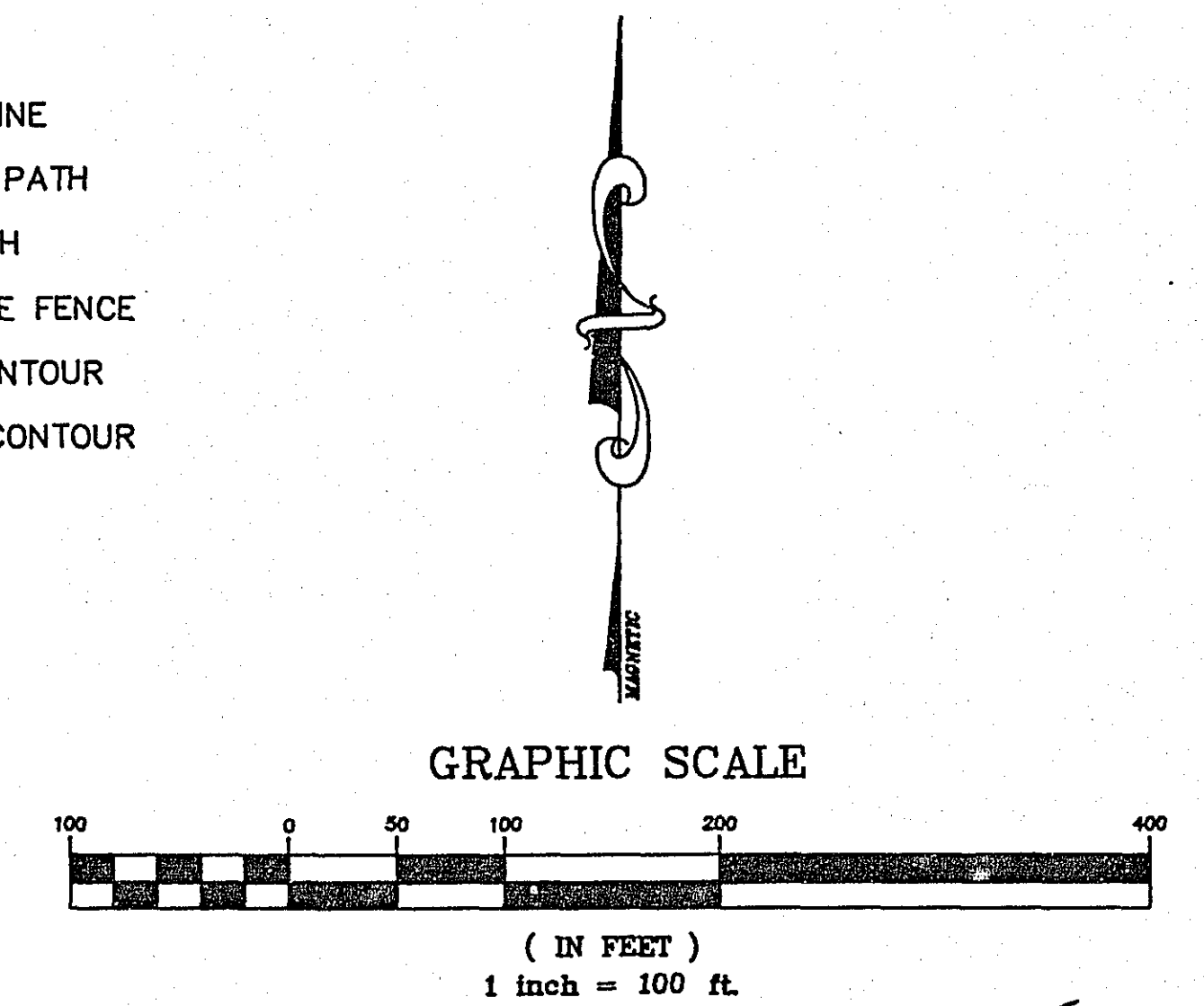
EJC-3			
RAMSEY COUNTY WORK FARM			
BATTLE CREEK GULLY RESTORATION PROJ.			
RAMSEY SWCD & RAMSEY CO. PUBLIC WORKS			
SE 1/4 SEC. 1, T. 28 N., R. 22 W.			
U. S. DEPARTMENT OF AGRICULTURE			
SOIL CONSERVATION SERVICE			
Designed	Copeland	Date	5-92
Drawn	Copeland	Approved by	W. R. Anderson
Checked		Title	Civil Eng. Tech.
		Date	6-10-92
		Sheet	No. 1
		of	12

# DRAINAGE CHART

STRUCTURE NUMBER	TYPE	STATION SURVEY C	LOCATION LT./RT.	INVERT ELEV.	RIM ELEV.	15" PVC L.F.	24" PVC L.F.	DRAINS TO STRUCTURE NO.	ELEVATION
1	APRON	9+92	RT. 70'	943.92 944.0	-----	-----	-----	POND	943.92 944.0
2	SD	8+43	RT. 116'	943.96 944.5	956.16 956.7	-----	159	156	943.92 944.0
3	SD	7+60	RT. 134	954.9 956.0	959.9 961.0	88	85	-----	950.46 951.0
4	SD	6+34	RT. 59'	959.4 960.6	964.4 965.6	148	147	-----	954.9 956.0
5	SD	5+66	RT. 22'	966.83 966.7	971.83 971.7	82	77	-----	959.4 960.6
6	SD	4+85	RT. 39'	975.16 977.5	980.86 983.2	87	82	-----	966.83 966.7
7	SD	3+63	RT. 28'	983.16 985.0	986.16 988.0	136	128	-----	977.66 978.0
8	APRON	4+80	RT. 135'	985.28 978.5	-----	98	100	-----	975.16 977.5
9	SD	2+47	RT. 44'	1002.20 1004.0	1007.20 1006.6	149	118	-----	986.16 988.0
10	SD	(-)0+20	RT. 44'	1010.01 1011.0	1015.01 1016.0	270	267	-----	1002.20 1004.0



- PROPERTY LINE
- BITUMINOUS PATH
- GRAVEL PATH
- x - BARBED WIRE FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR



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## BATTLE CREEK GULLY RESTORATION PROJECT

## REVISED STORM SEWER PLAN

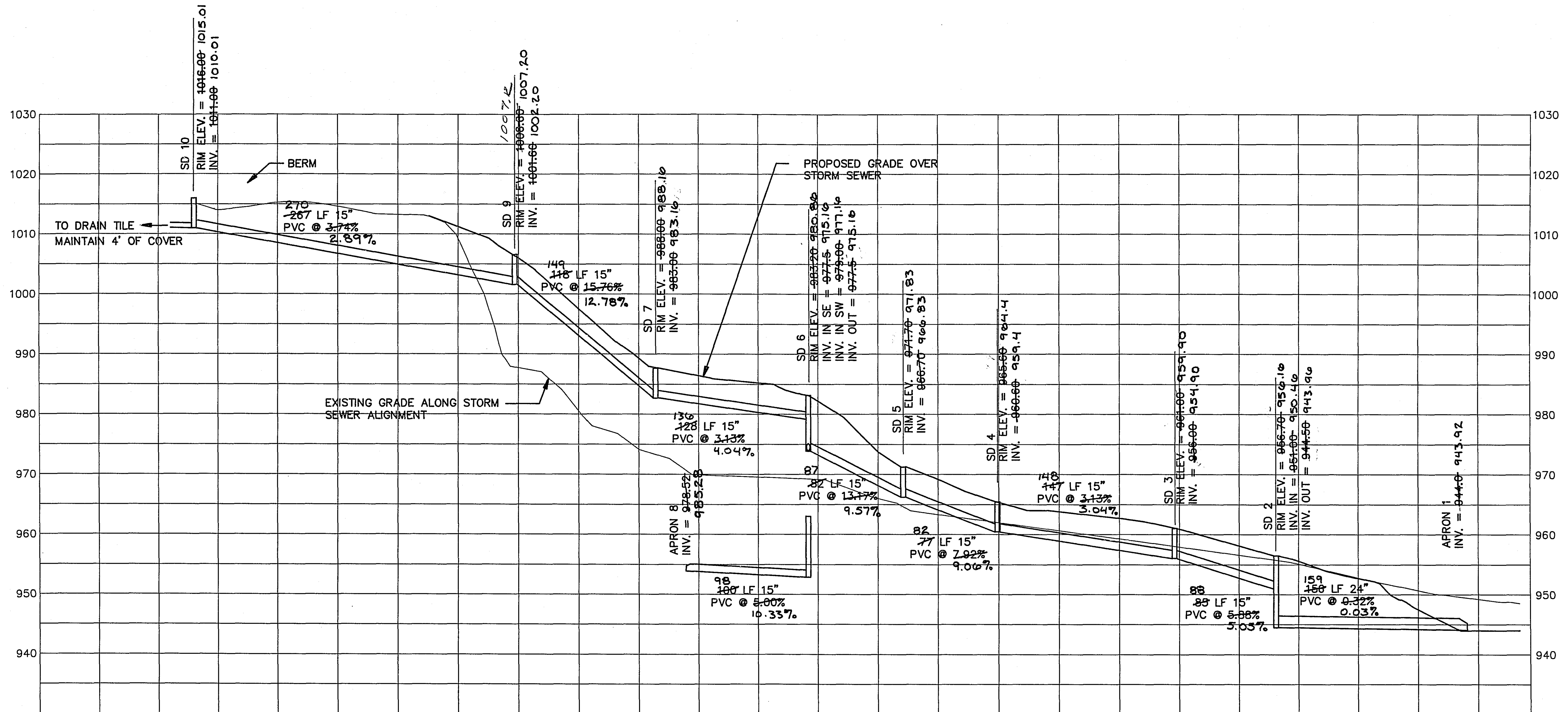
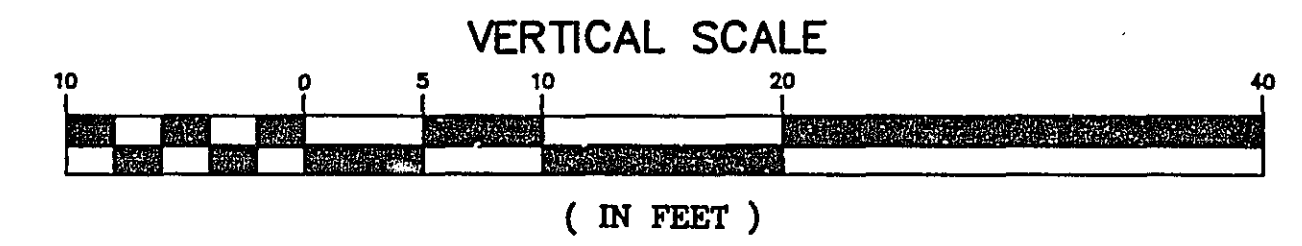
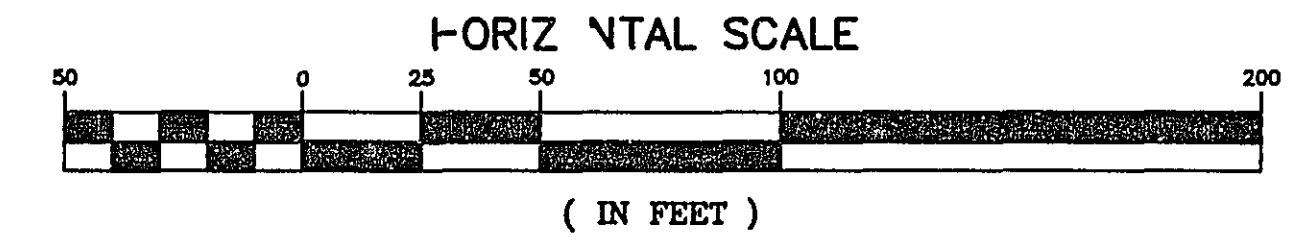
S.A.P. NO. 62-651-32

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NOTE: COMPACTION SHALL BE BY THE ORDINARY COMPACTION METHOD.

MATERIAL UNDER THE PIPES AND MANHOLES SHALL BE PLACED IN ONE FOOT INCREMENTS AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.



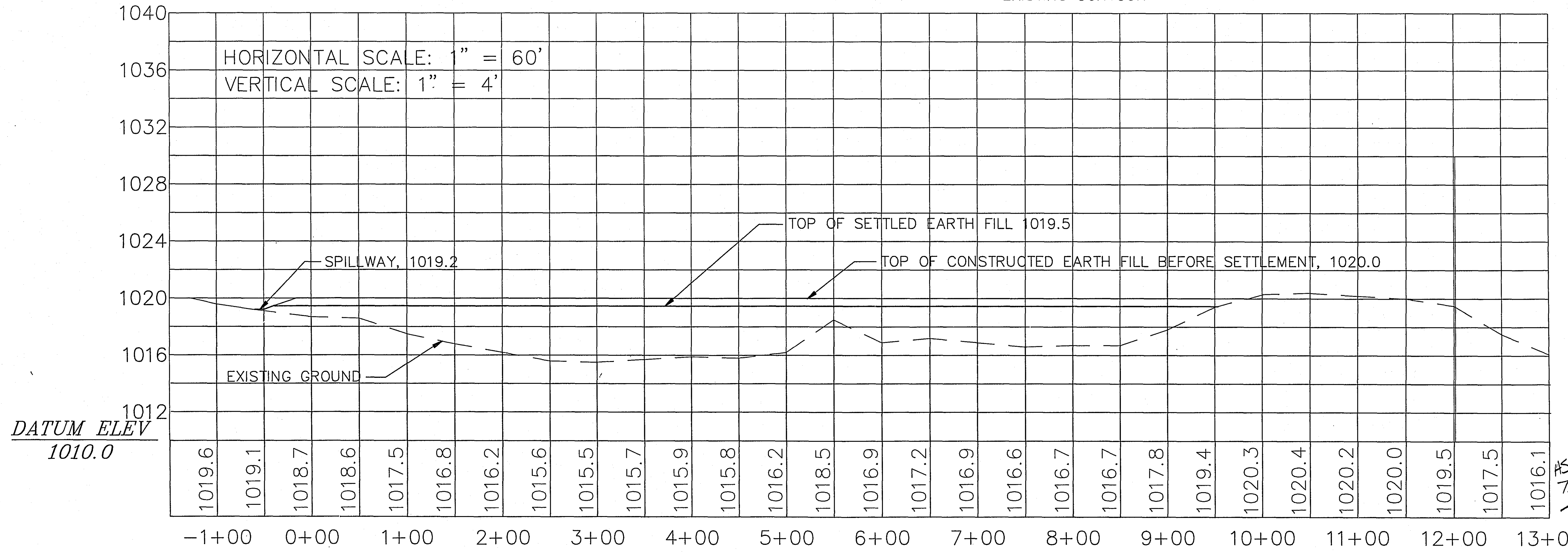
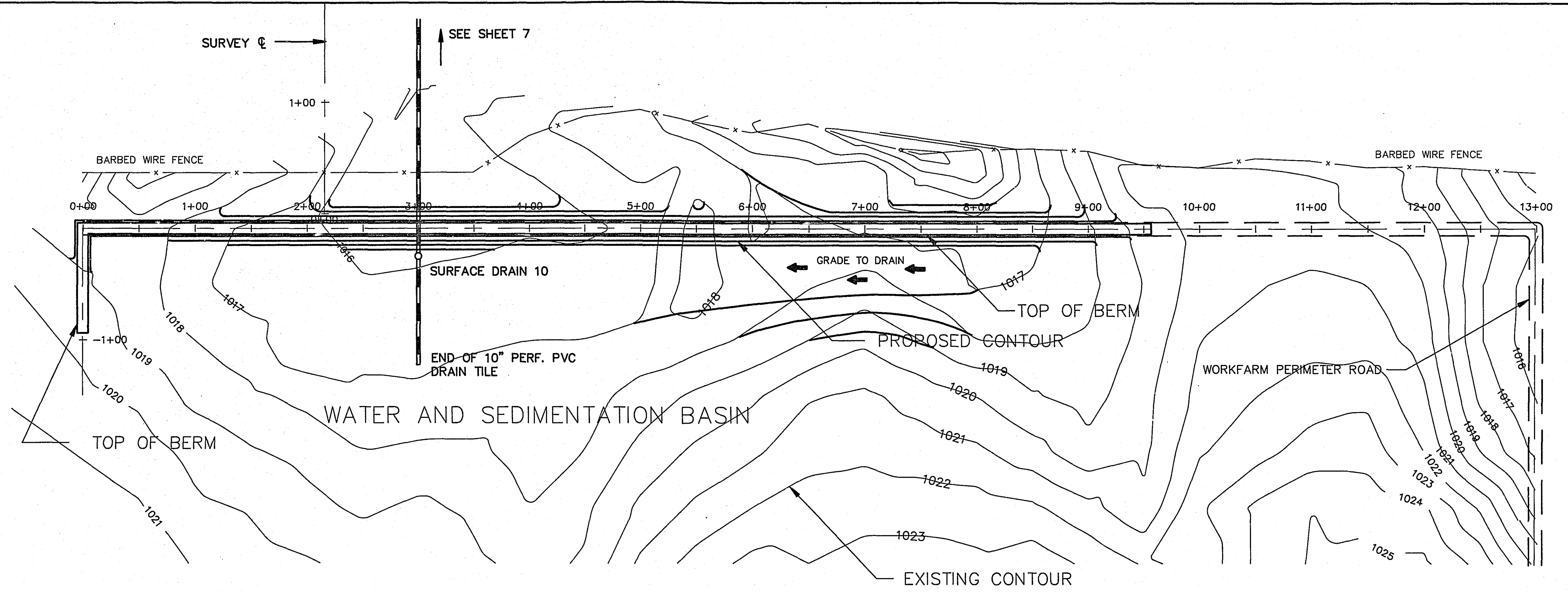
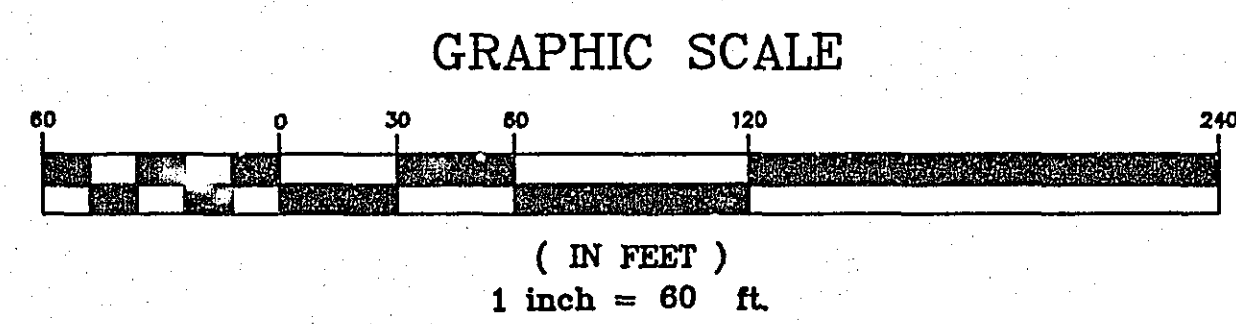
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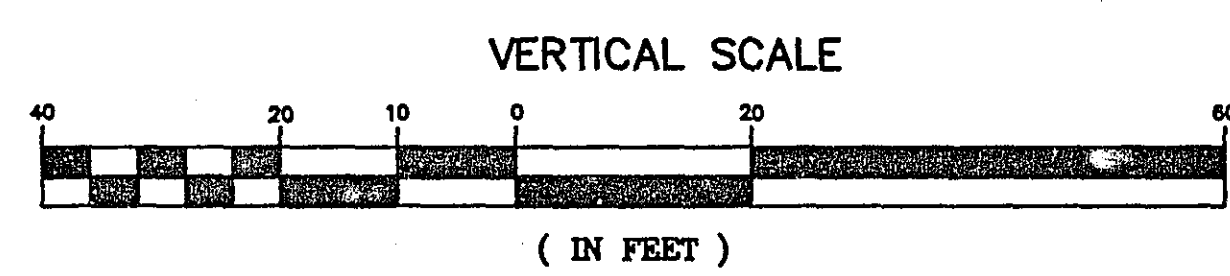
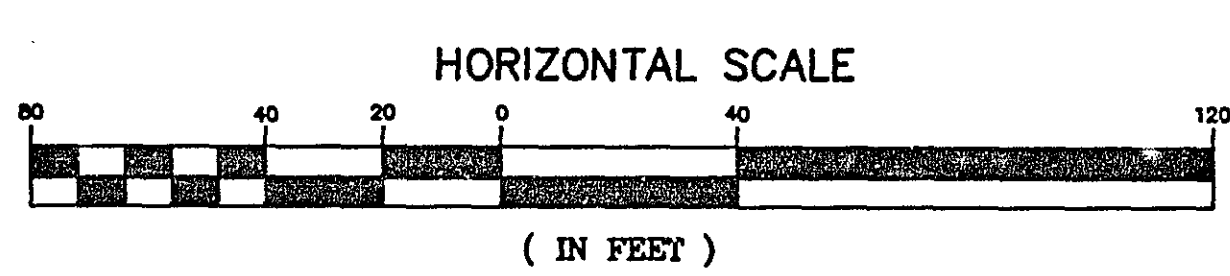
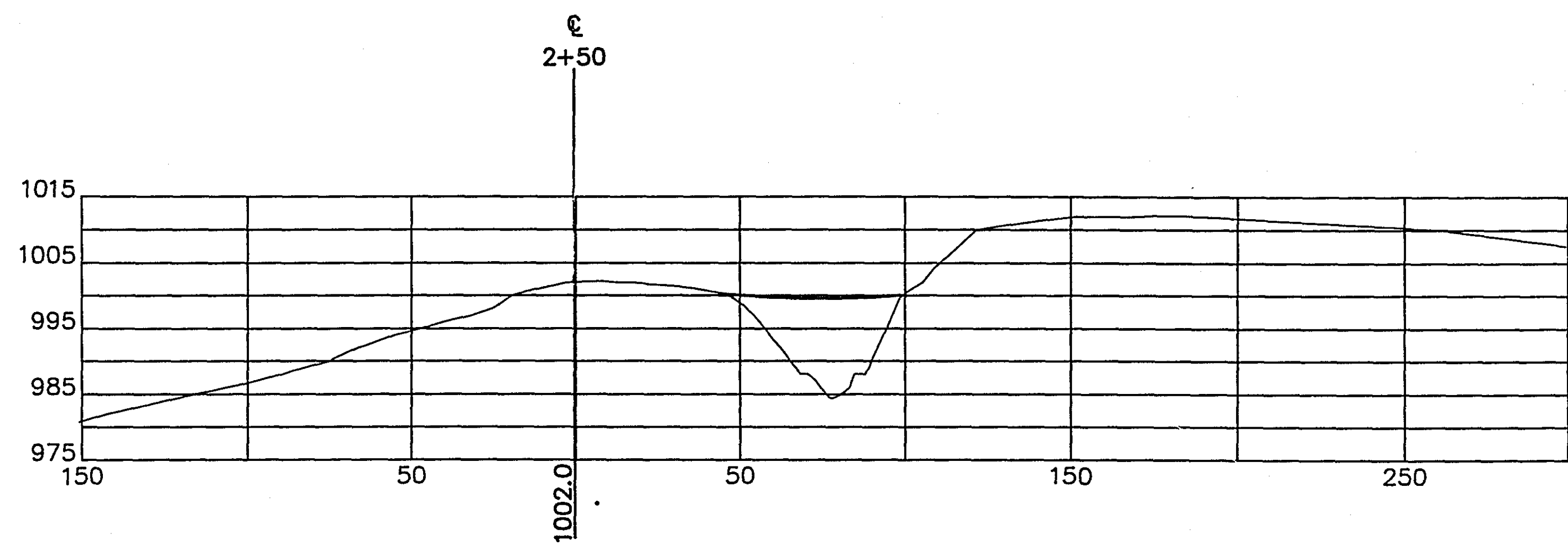
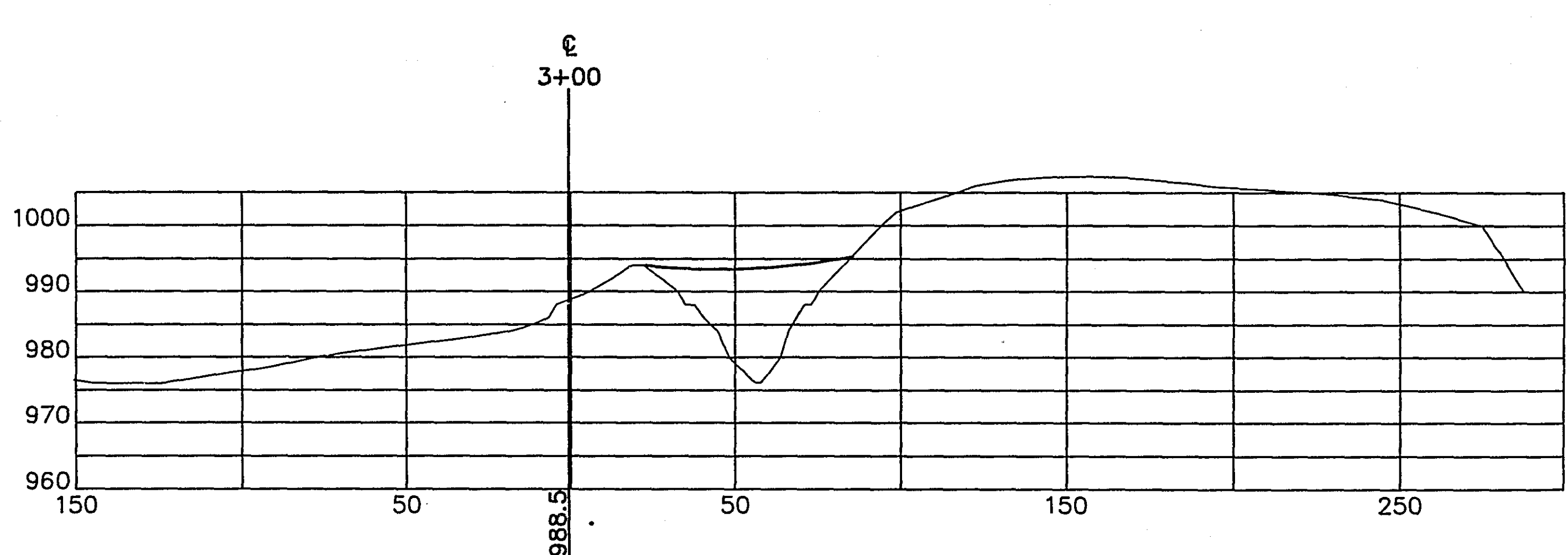
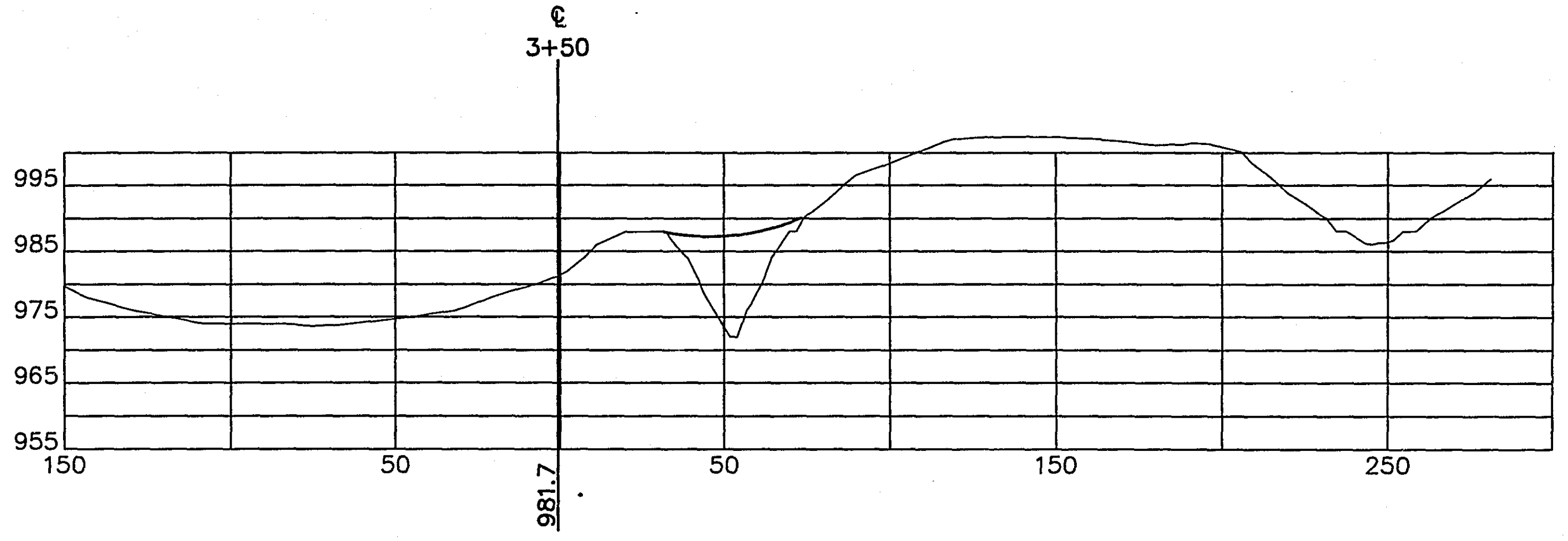
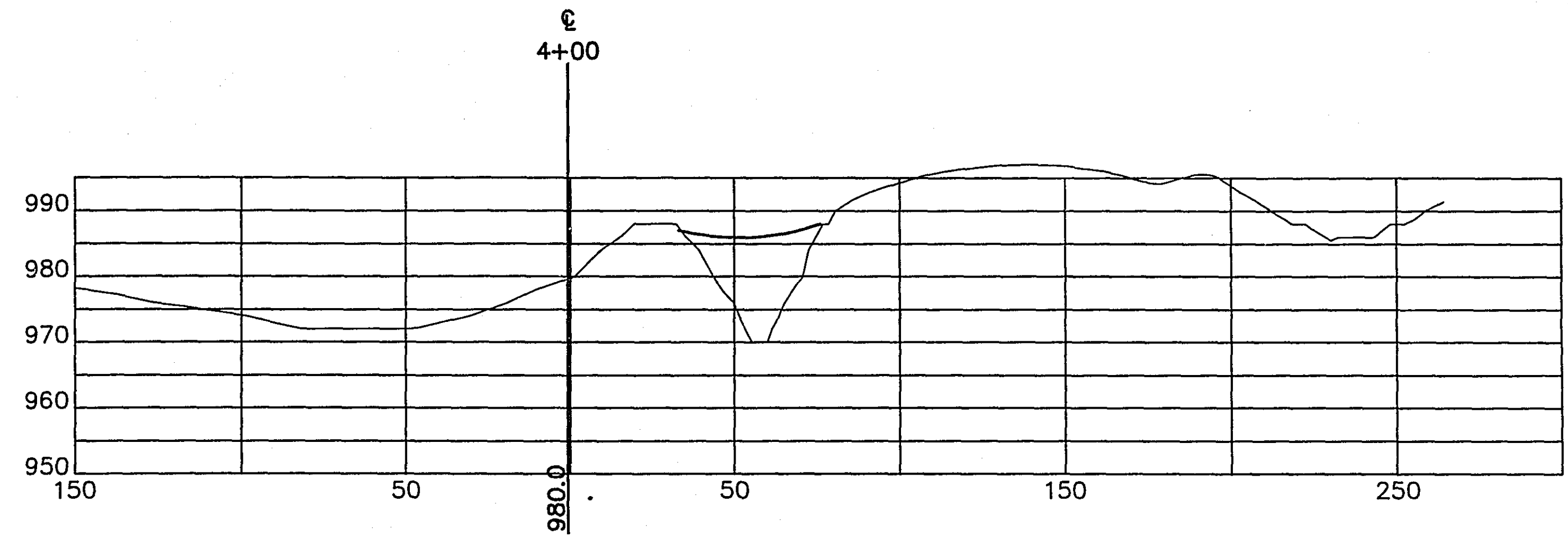
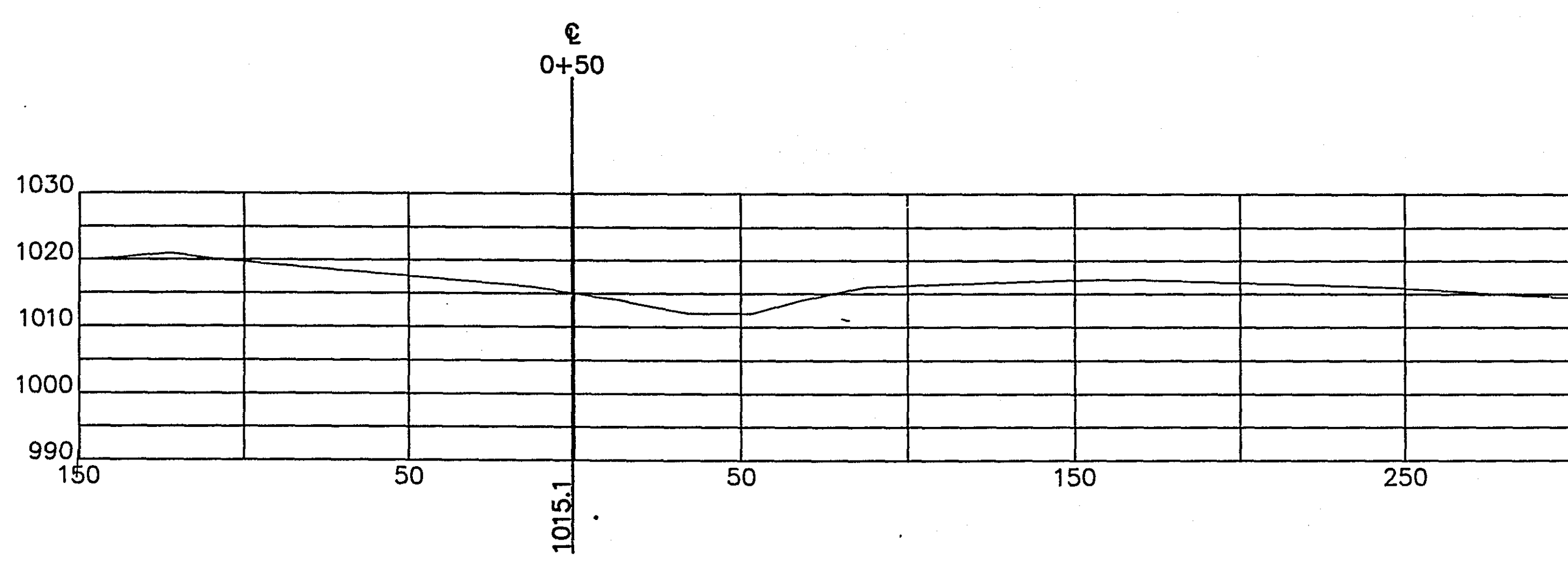
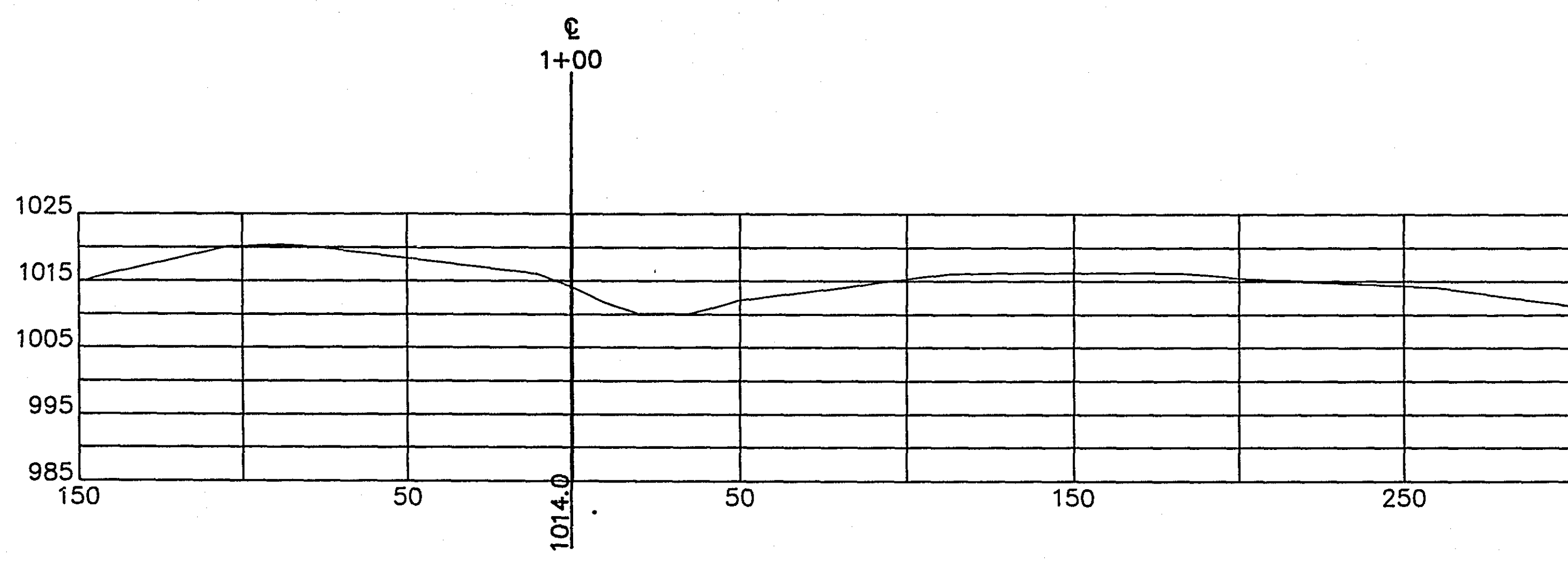
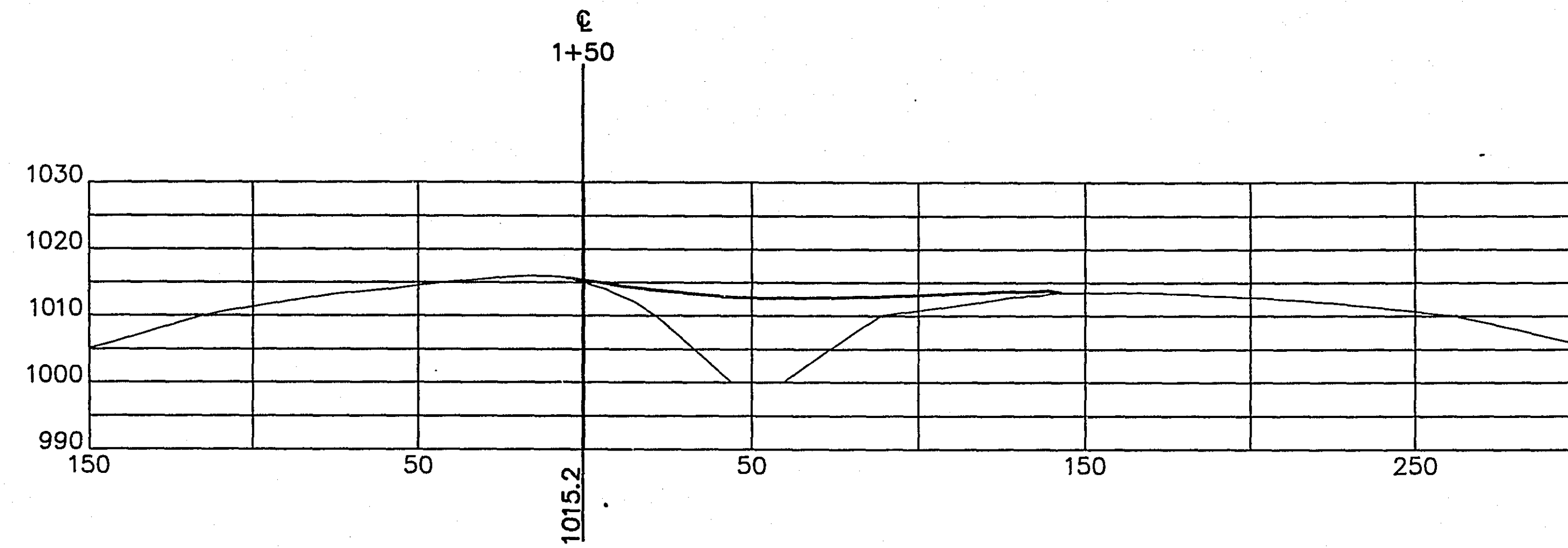
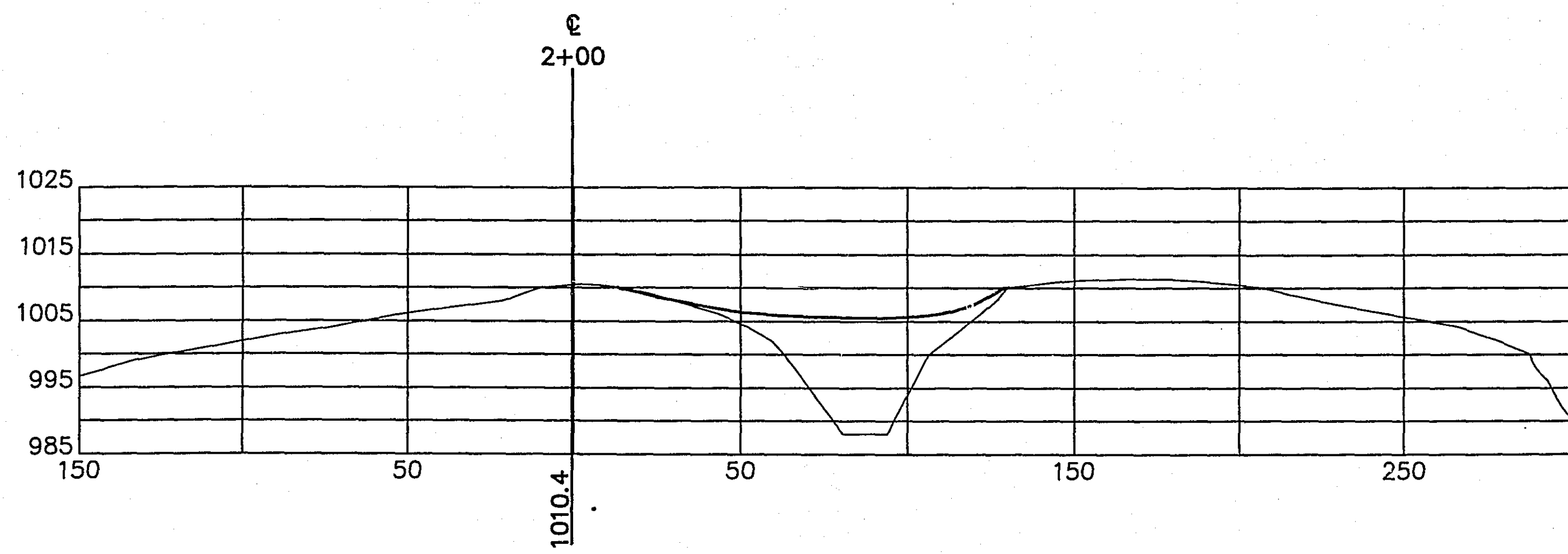
S.A.P. NO. 62-651-32

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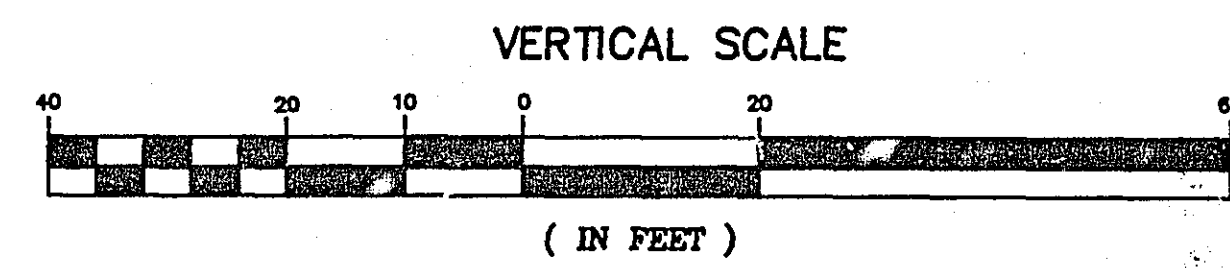
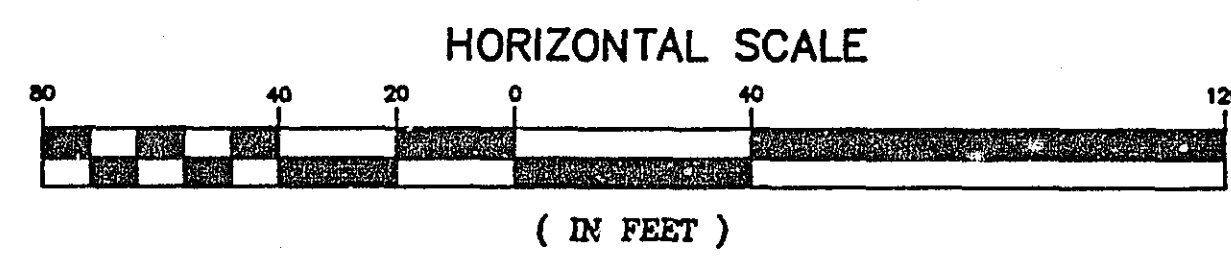
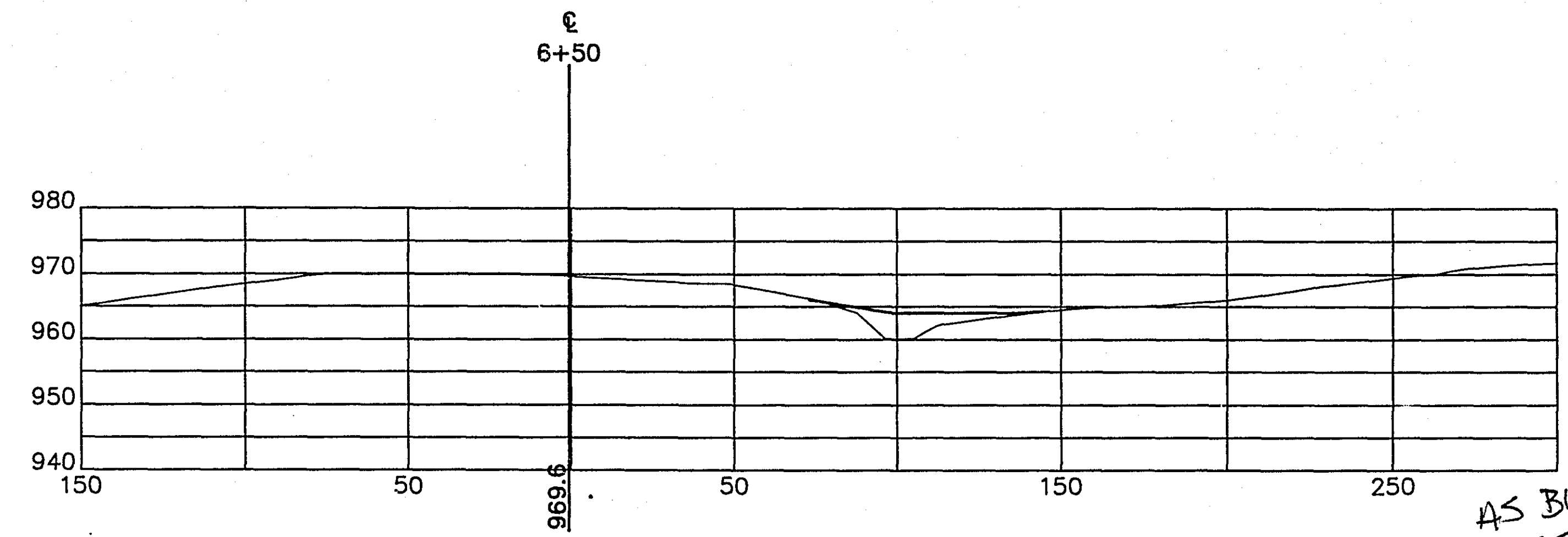
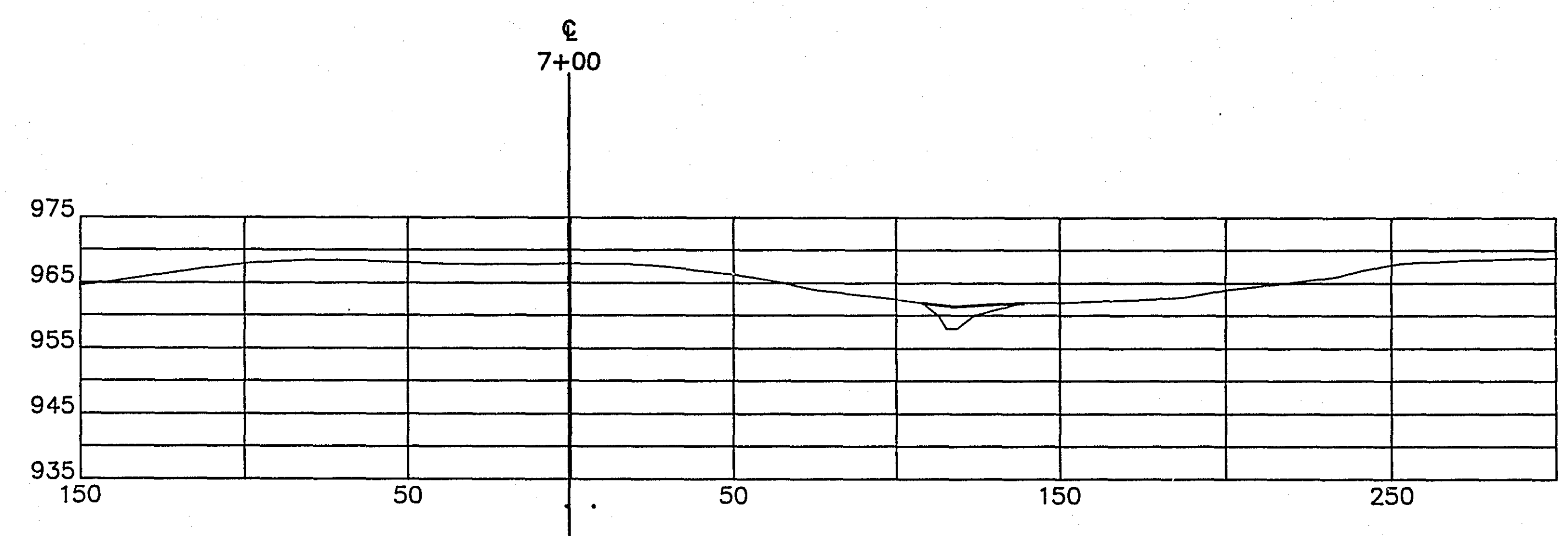
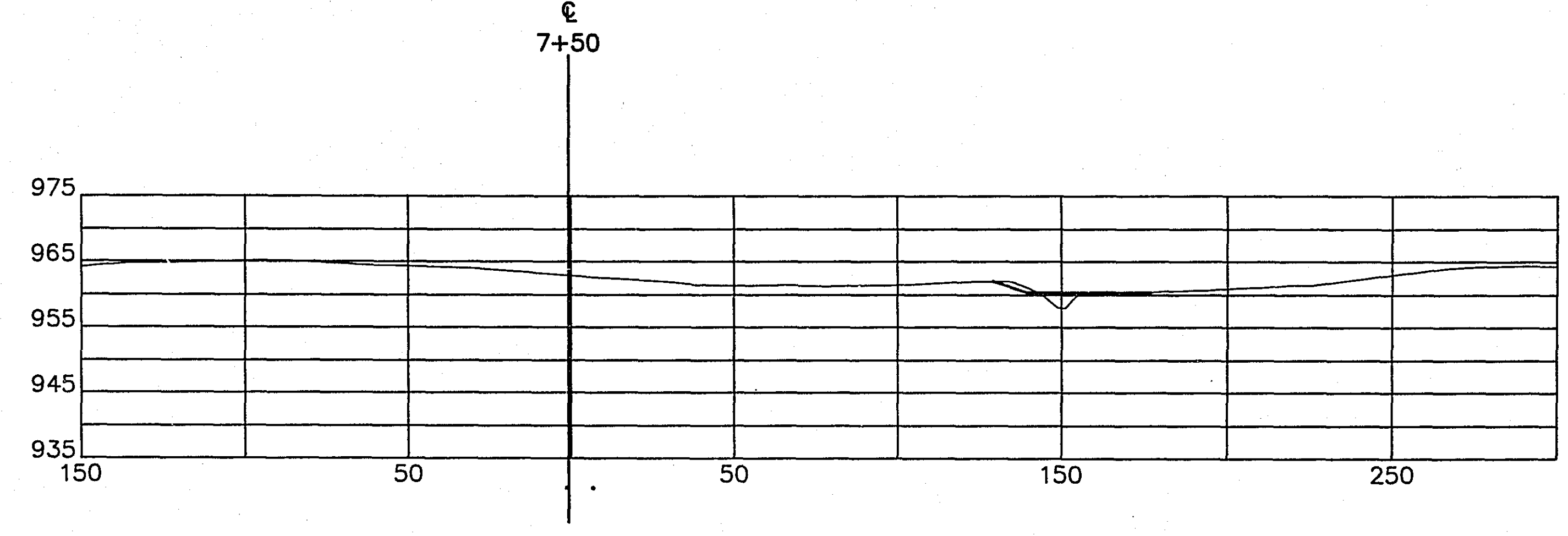
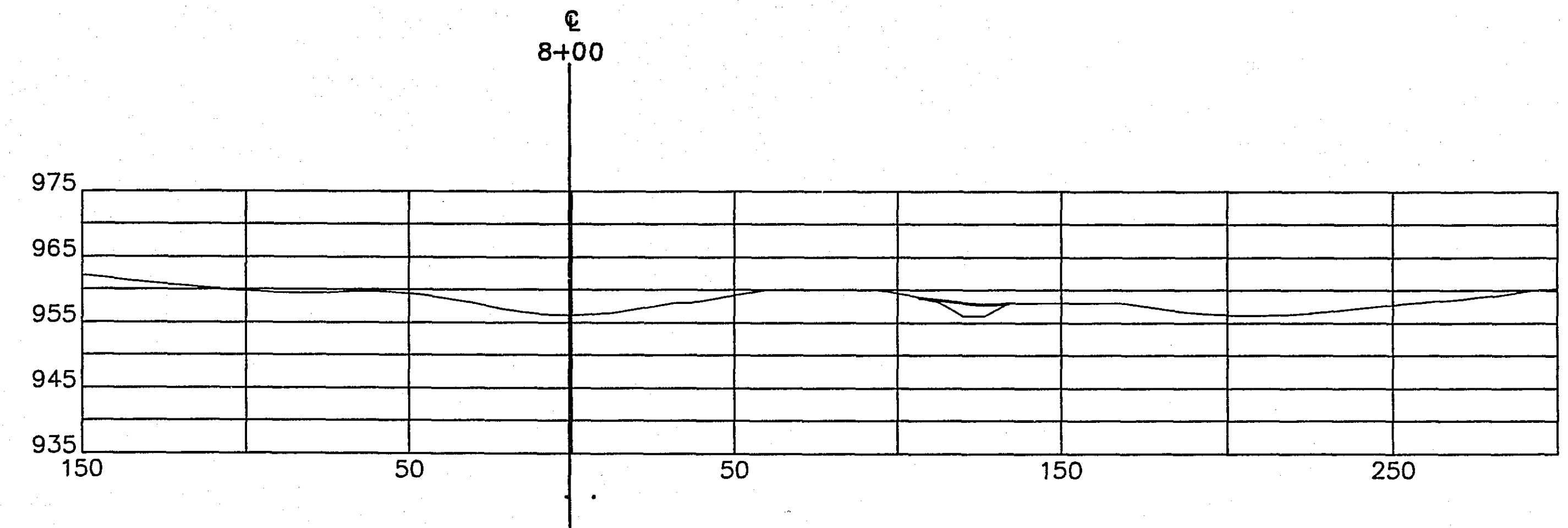
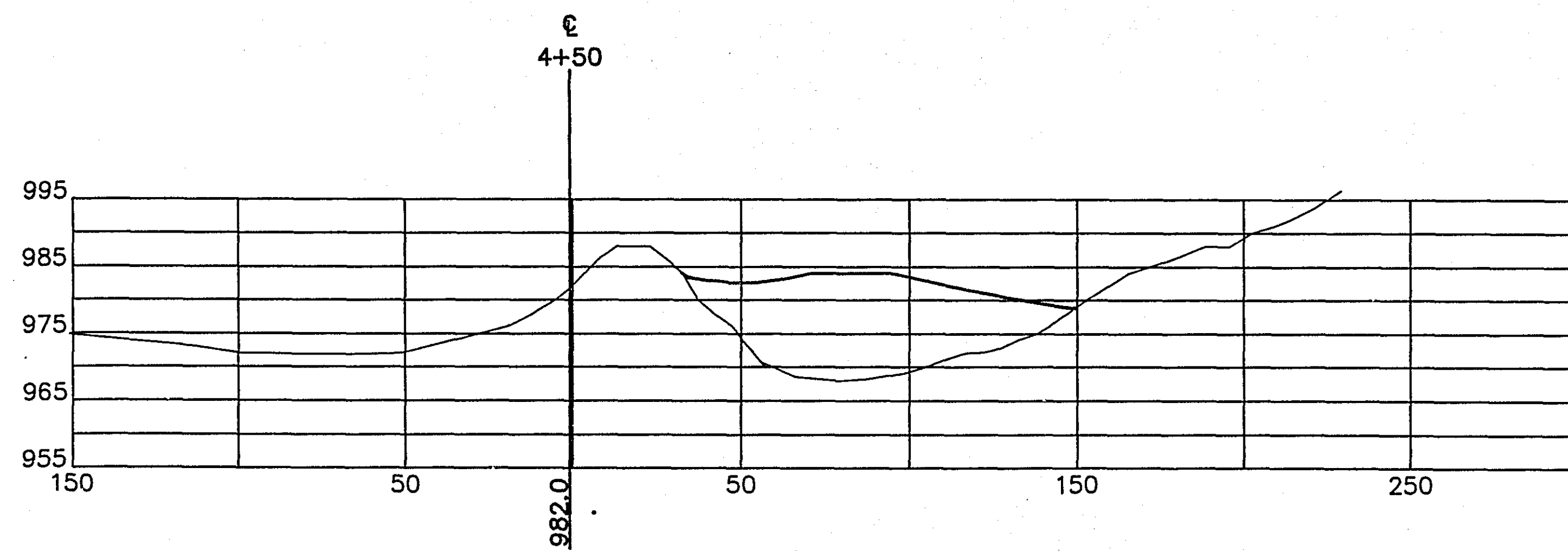
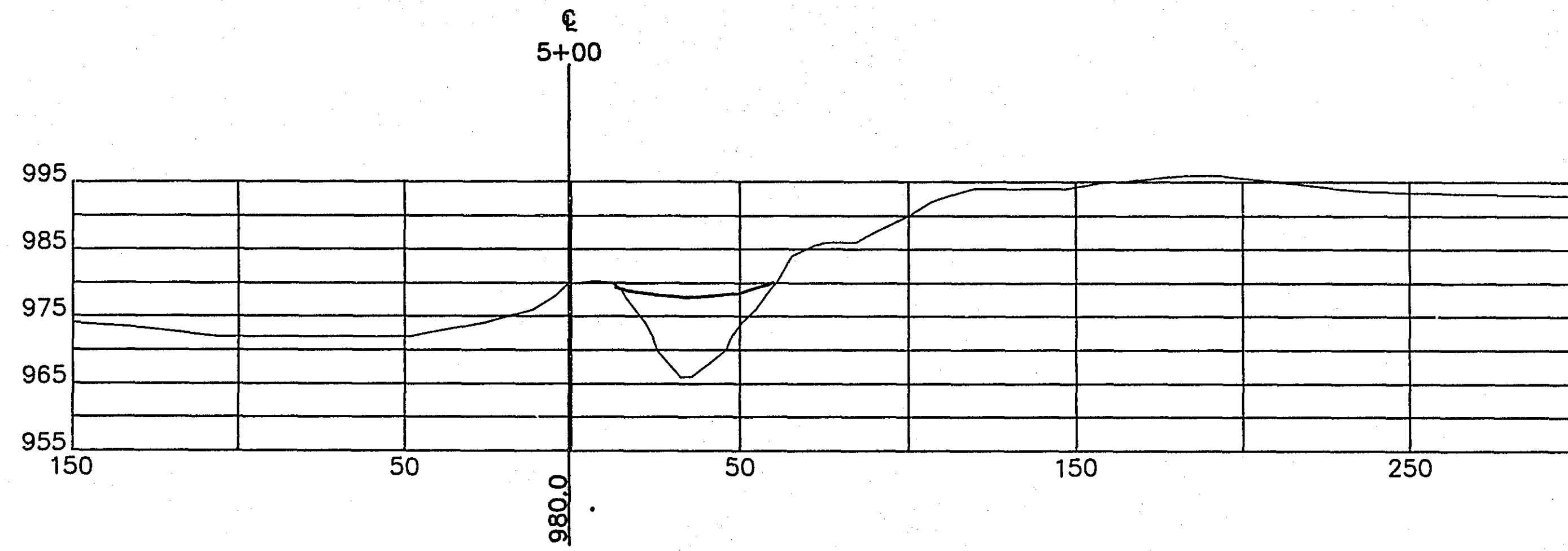
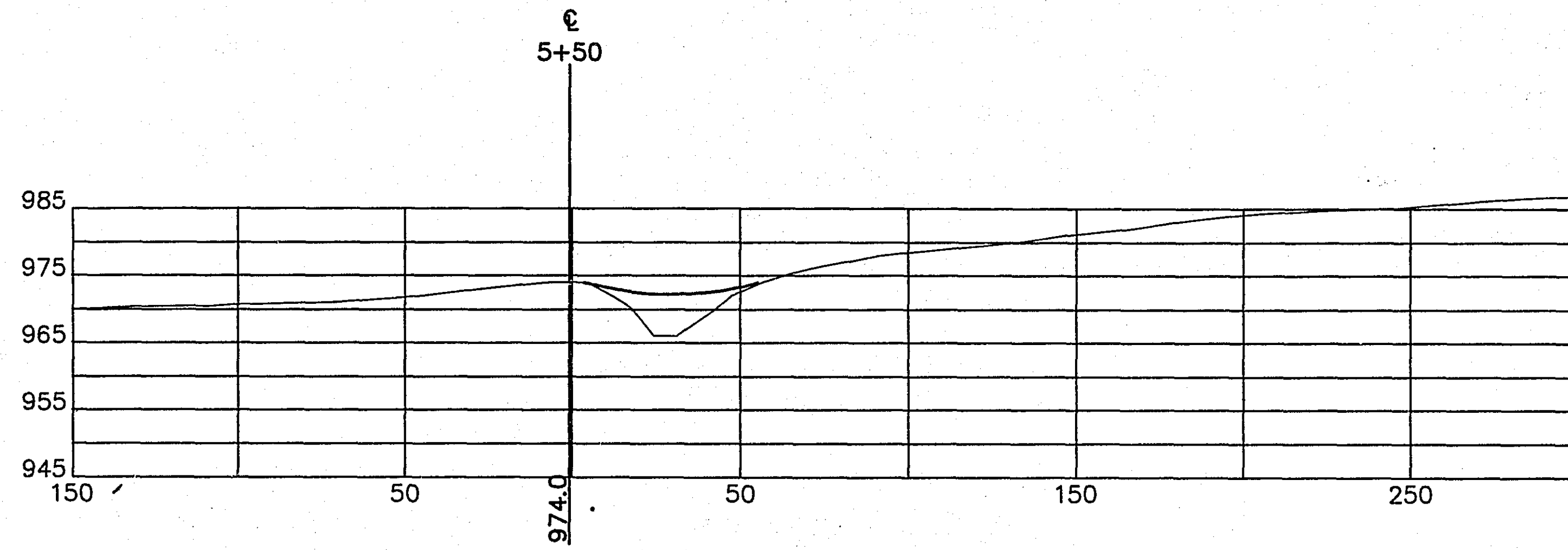
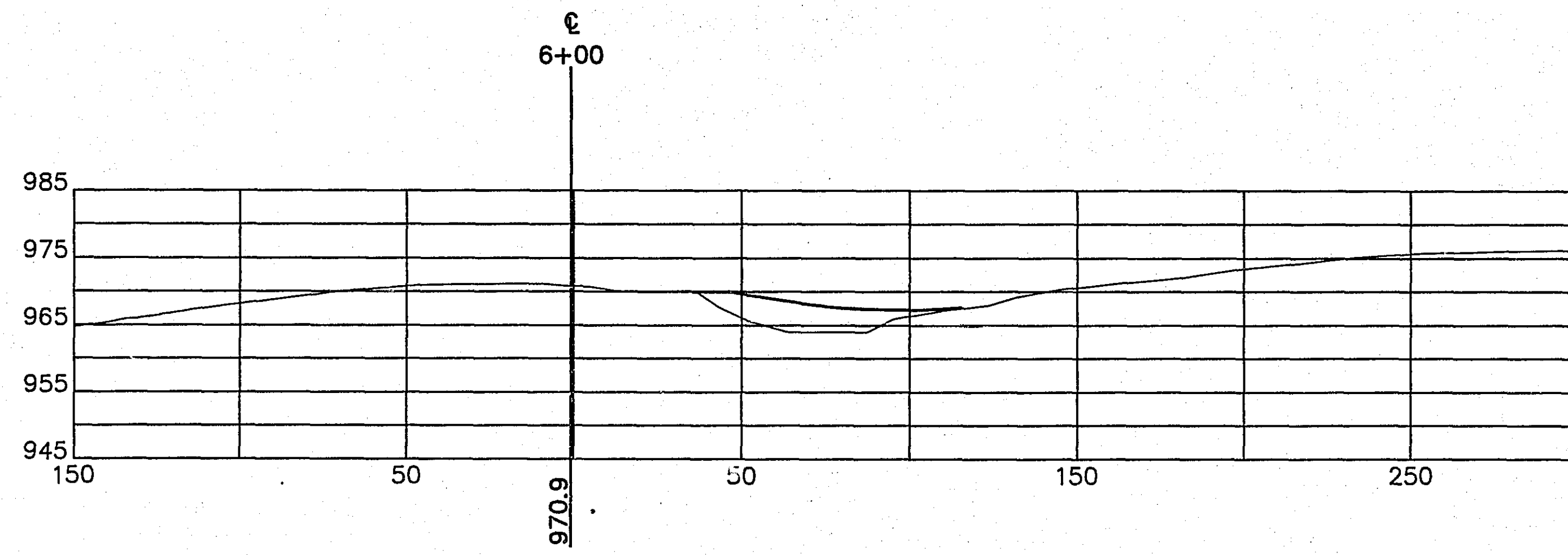




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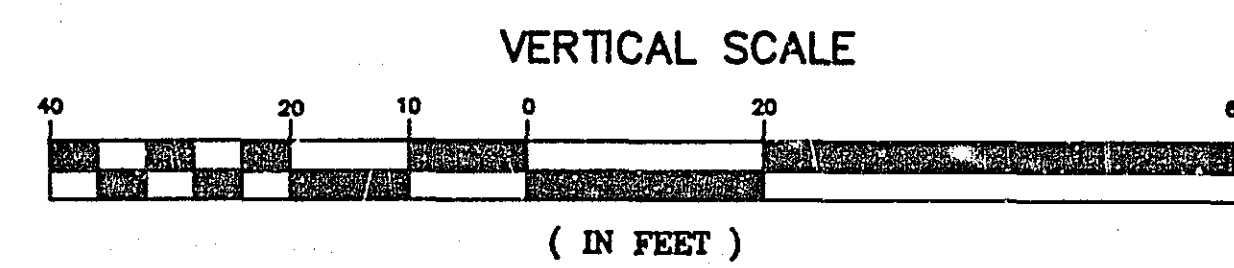
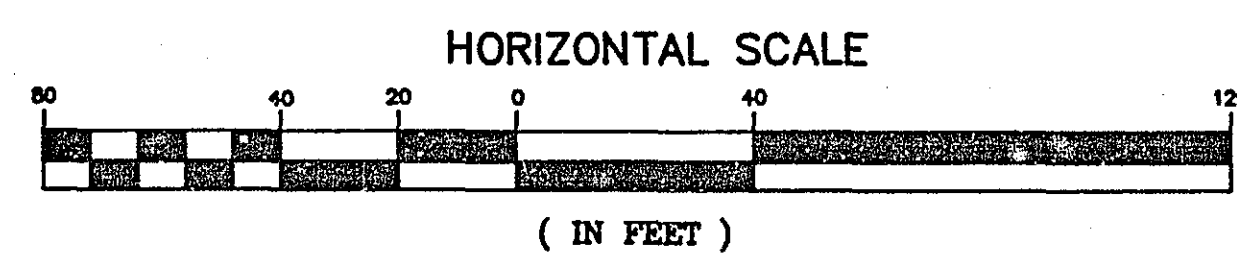
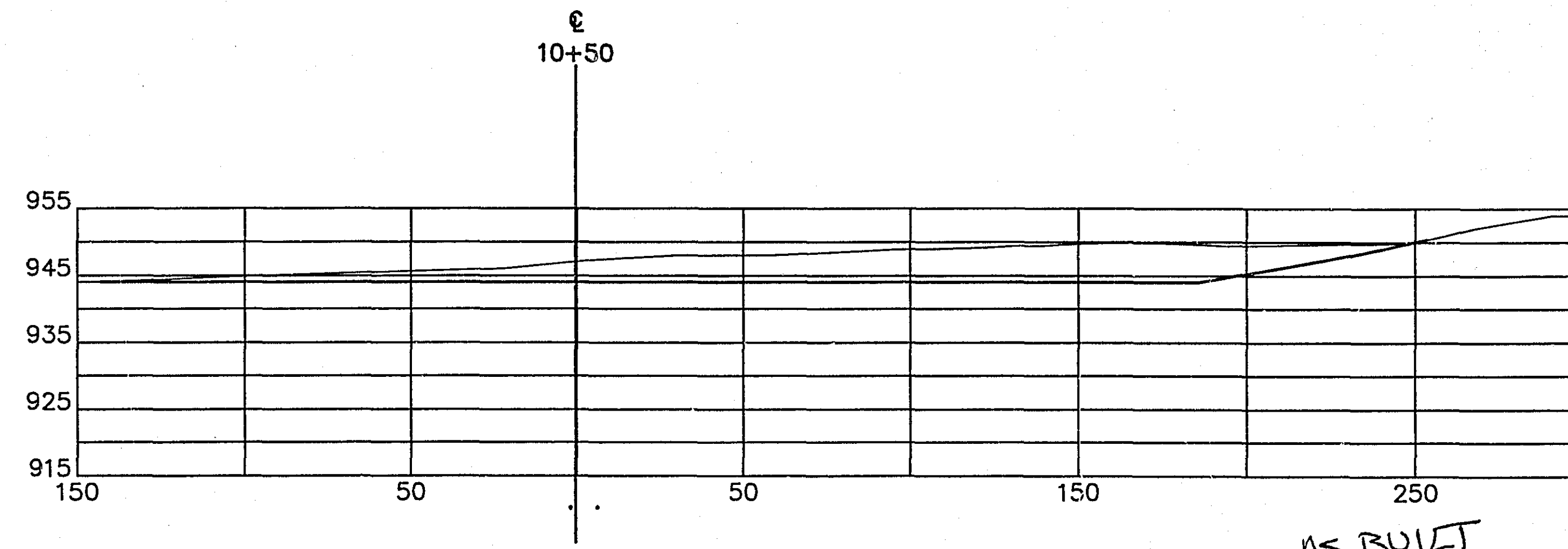
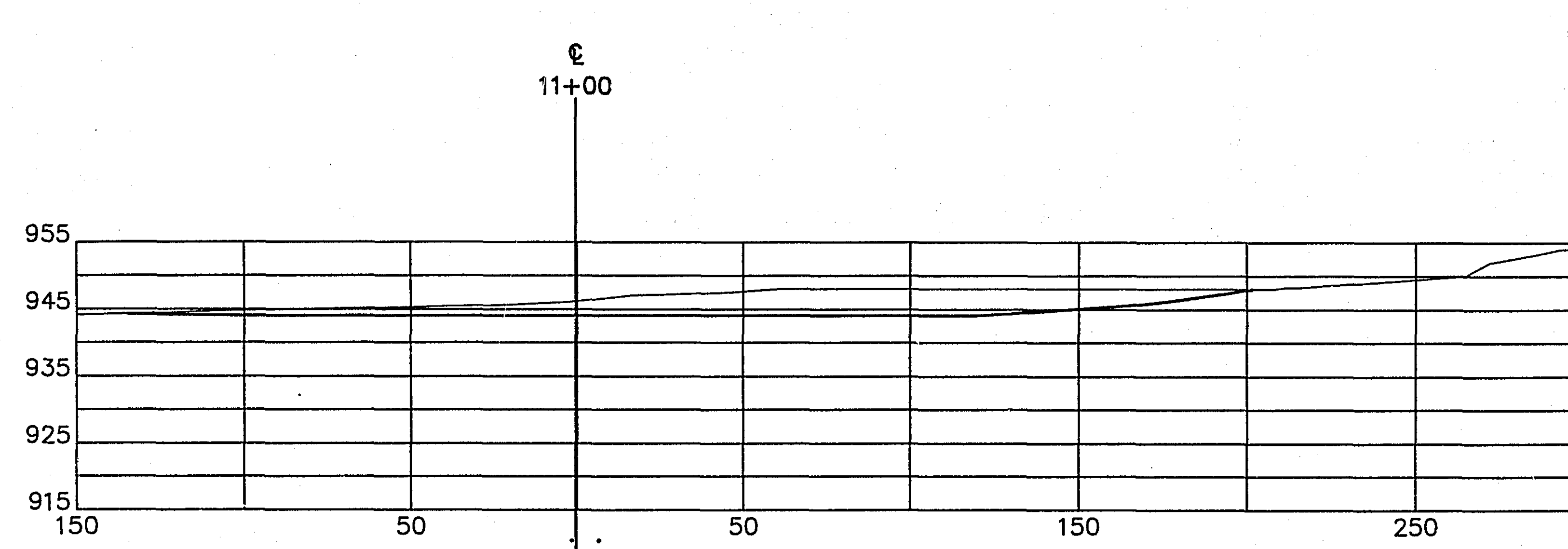
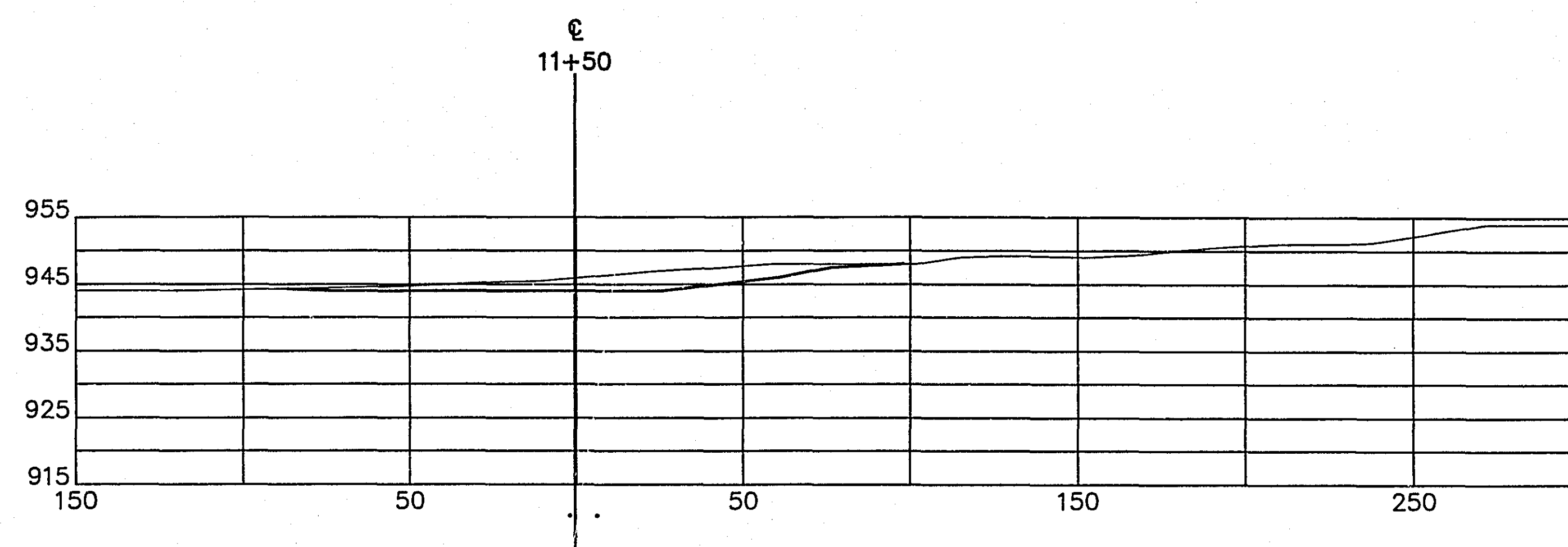
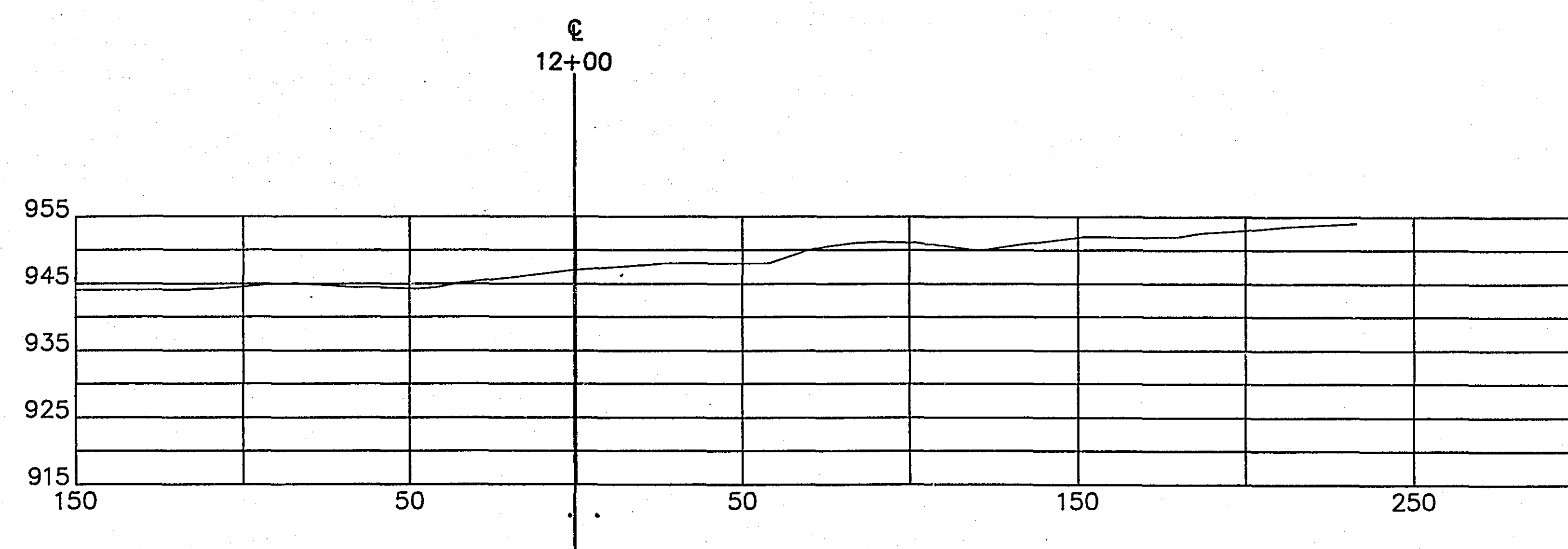
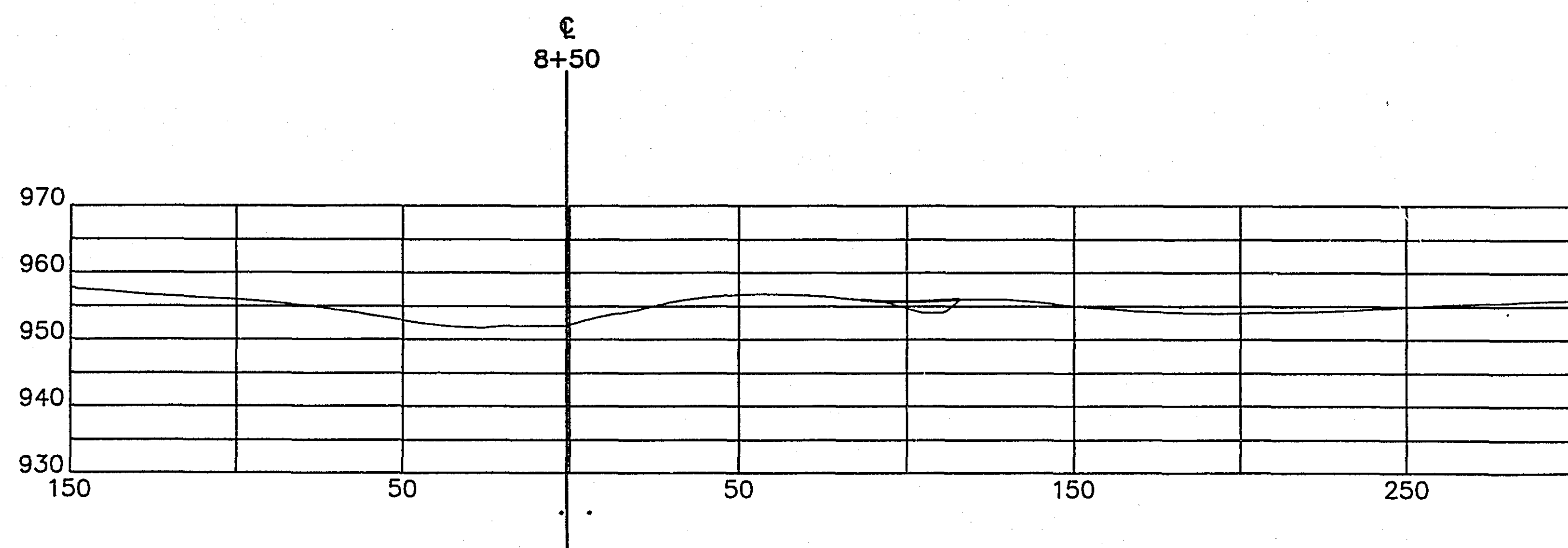
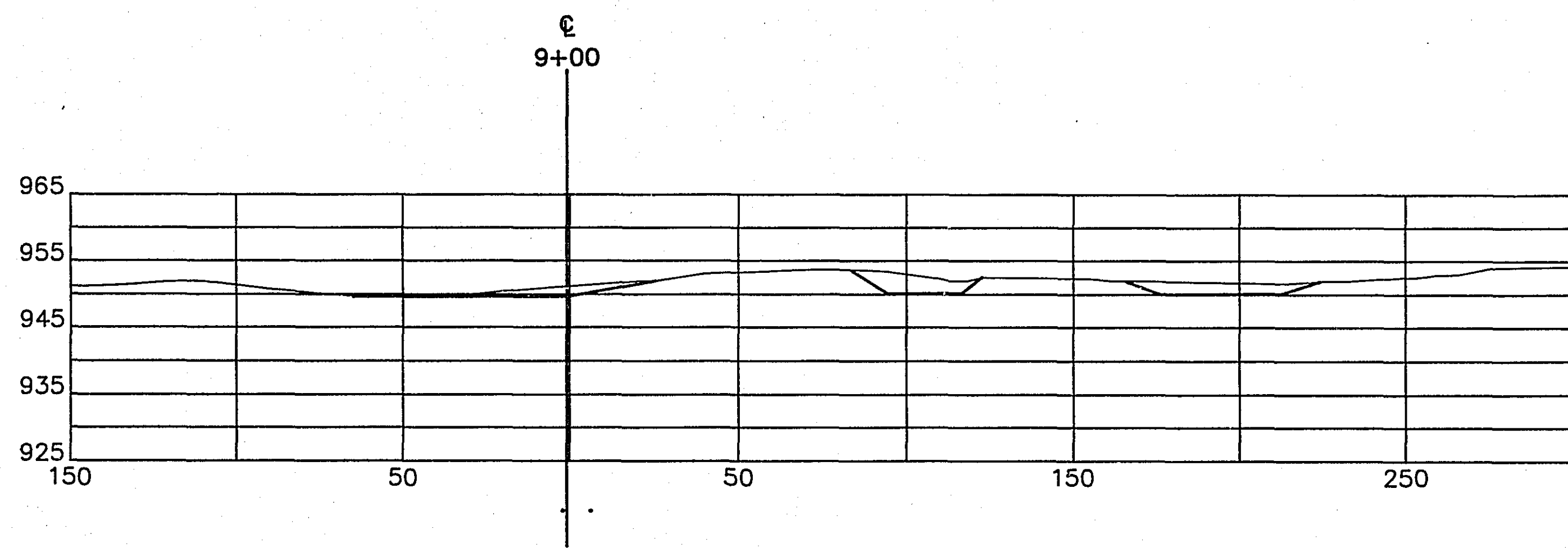
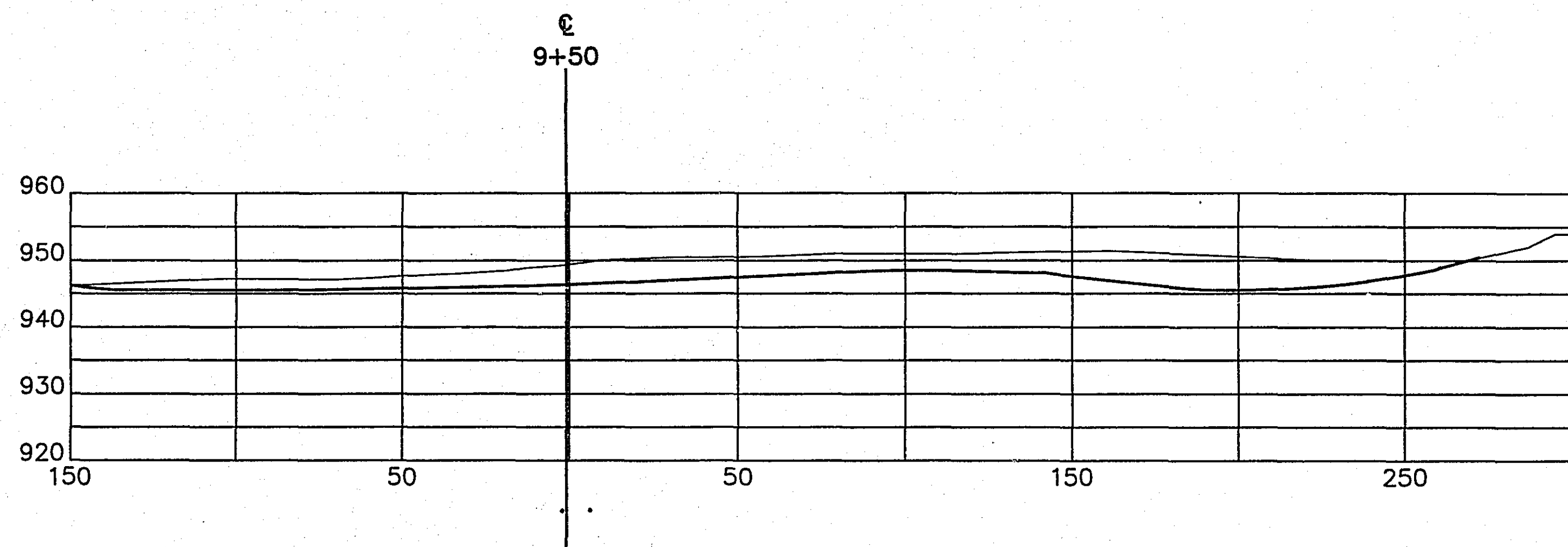
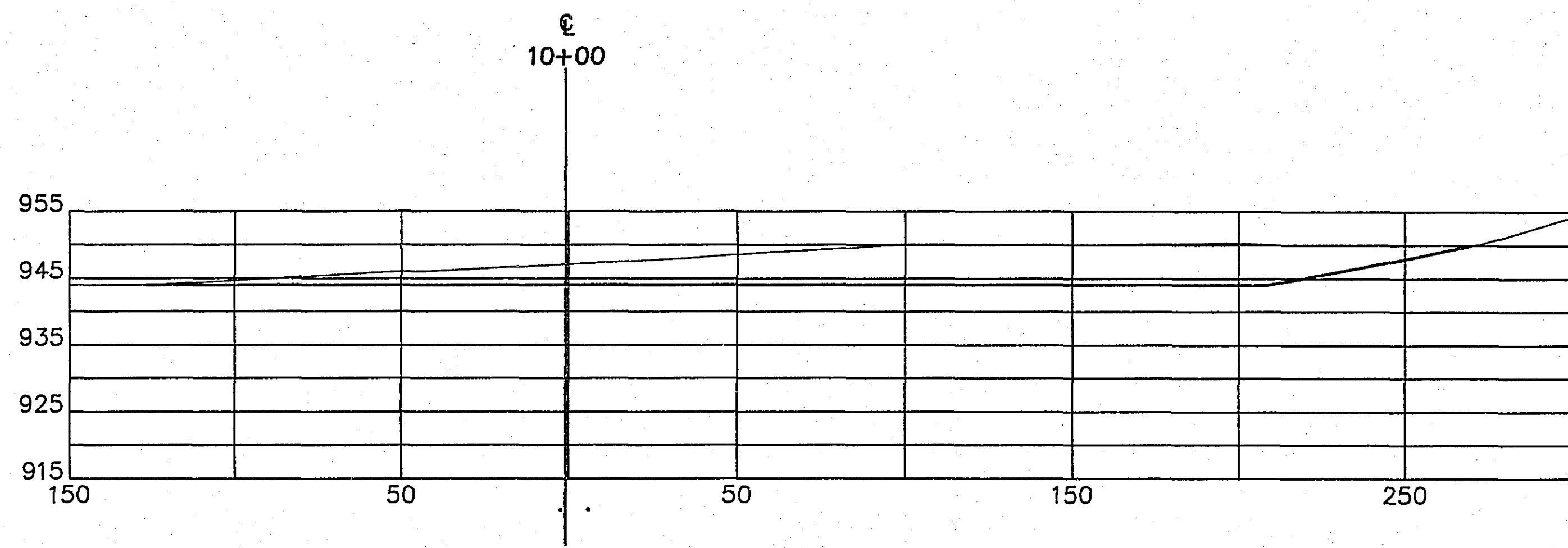
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