

IOWA DEPARTMENT OF NATURAL RESOURCES
LAND & WATERS BUREAU
WALLACE STATE OFFICE BUILDING

ADDENDUM No. 2

HICKORY GROVE LAKE
LOW WATER DRAIN PIPE AND VALVE
STORY COUNTY, IOWA
PROJECT NUMBER: 16-02-85-03

May 21, 2018

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

ADDENDUM #2:

- A. Please find attached the Addendum #2 and associated attachments.

ADDENDUM NO. 2

to
Specifications and Contract Documents
for

Hickory Grove Lake
Low Water Drain Pipe and Valve
16-02-85-03

FROM: WHKS & Co.

May 21st, 2018

The bidder shall make the following changes, modifications and additions to the pertinent sheets, pages and paragraphs of the specifications and drawings, and shall take the same into consideration in the bid prices:

SPECIFICATION ITEMS:

1. ITEM 1 – RESERVOIR DRAWDOWN

Plan Sheets A-2 (Project Sequencing Note 1) and R-1 (Drawdown Note 1), states that Story County will lower the reservoir to elevation 961.0 using the existing outlet gate.

Contractor shall change these notes to read: "Contractor will lower the reservoir to elevation 961.0 using the existing outlet gate. Lowering of the reservoir may be started beginning on September 4th, 2018."

Comment: After further consideration Story County has decided allow the contractor to be in control of all dewatering operations. This will allow for greater flexibility and overall project coordination. As stated in the plan sheets, the pool elevation must be lowered to elevation 950.0 by November 1, 2018. This is to allow for viewing and bidding of the future dredge project to begin after the outlet has been constructed.

A revised plan sheet will not be issued.

2. ITEM 2 – RESERVOIR DEWATERING

Plan Sheet A-2 (Project Sequencing Note 2) states that the contractor shall pump the reservoir empty. Empty shall be understood as a water elevation low enough to allow for work within the defined construction area. The defined construction area (launch pit) is near the bottom of the reservoir. Historically the original stream channel is believed to have been located to the south of the launch pit. The degree of siltation within the original channel is unknown. If necessary, the contractor shall excavate a pit, trench, or combination of the two in the existing reservoir bottom to divert inflow to the intake of the dewatering pump(s). Spoil material may be cast adjacent to the pit/trench, and the area does not need to be restored.

A revised plan sheet will not be issued, however a schematic from the original plan set and bathymetric map of the pool area is provided as Attachment 1 and Attachment 2 respectively. The original plan set for the dam indicates that the original channel may have been near elevation 933.0, and the proposed launch pipe is near elevation 937.0 based on the bathymetry.

3. ITEM 3 – Specification 31 23 19 Part 1.3 C

This item required the contractor to maintain a standby capacity to handle a 1-year 24-hour rainfall event (approximately 180 cfs).

This item shall be changed to read: "At a minimum, the contractor shall maintain adequate capacity to keep the site dewatered during a 1-year 24-hour rainfall event (approximately 180 cfs). If construction occurs between December 1st, 2018, and February 28th, 2019 the contractor may reduce the minimum standby pumping capacity to 75 cfs. Additional pumping capacity may be provided. The contractor is responsible for keeping the site dewatered at all times during construction. Damages occurred due to flooding of the work site shall be the contractor's responsibility."


Comment: The original timeline allowed for construction in the fall of 2018. If construction should occur in the winter months the likelihood of a significant rainfall event is reduced.

4. ITEM 4 – Specification 33 05 23.13 Part 2 Materials

Fusible PVC shall be allowed as an acceptable alternate to HDPE pipe. Fusible PVC shall be 24" DR 21.

- A. Fusible polyvinylchloride pipe shall conform to AWWA C900, AWWA C905, ASTM D2241 or ASTM D1785 for standard dimensions, as applicable. Testing shall be in accordance with the referenced AWWA standards for all pipe types.
- B. Fusible polyvinylchloride pipe shall be extruded with plain ends. The ends shall be square to the pipe and free of any bevel or chamfer. There shall be no bell or gasket of any kind incorporated into the pipe.
- C. Fusible polyvinylchloride pipe shall be blue in color.
- D. Pipe shall be marked as follows:
 - a. Nominal pipe size
 - b. PVC
 - c. Dimension Ratio, Standard Dimension Ratio, or Schedule
 - d. AWWA pressure class,
 - e. AWWA standard designation number
 - f. Extrusion production-record code
 - g. Trademark or trade name
 - h. Cell Classification 12454 and/or PVC material code 1120 may also be included
- E. Pipe shall be homogeneous throughout and be free of visible cracks, holes, foreign material, blisters, or other visible deleterious faults.

- F. Polyvinylchloride pipe lengths shall be assembled in the field with butt-fused joints. The Contractor shall follow the pipe supplier's written guidelines for this procedure.
- G. Connections shall be defined in conjunction with the coupling of project piping according to the plans. Appropriate transition fittings shall be supplied and installed accordingly. All connection joints shall be fully restrained.
- H. Contractor shall submit pipe deflection calculations for review.

	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p>
	<p><u>Nathan Anderson</u> 5/21/18 Nathan W. Anderson, P.E. Date</p>
	<p>License number <u>18920</u></p>
	<p>My license renewal date is December 31, 2019.</p>
	<p>Pages or sheets covered by this seal: <u>Addendum 2</u> _____ _____</p>



HICKORY GROVE PARK

STORY COUNTY, IOWA

1965

STORY COUNTY CONSERVATION BOARD

GEORGE H. CLARK, SR.—PRES.

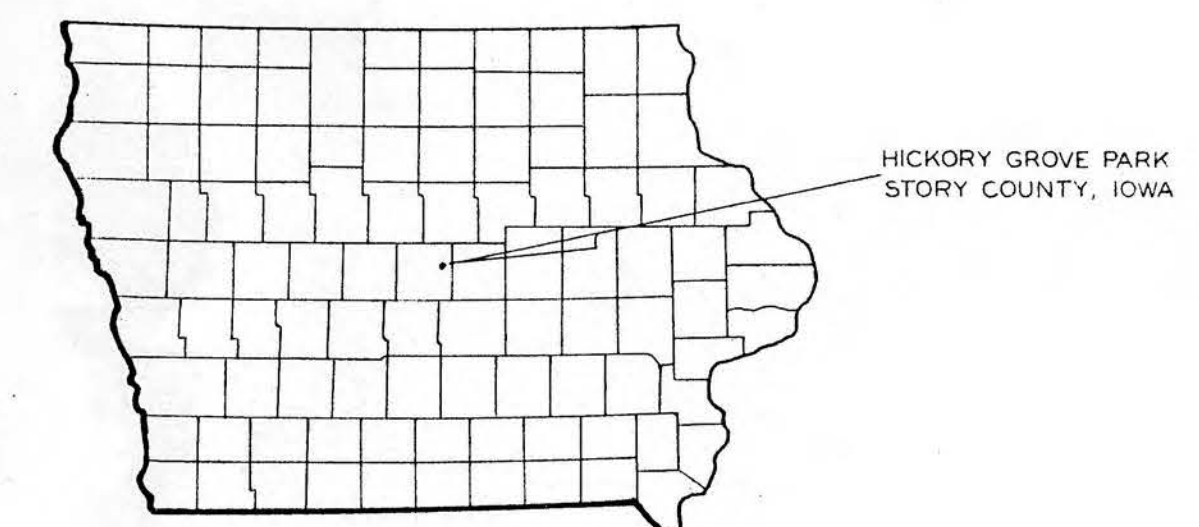
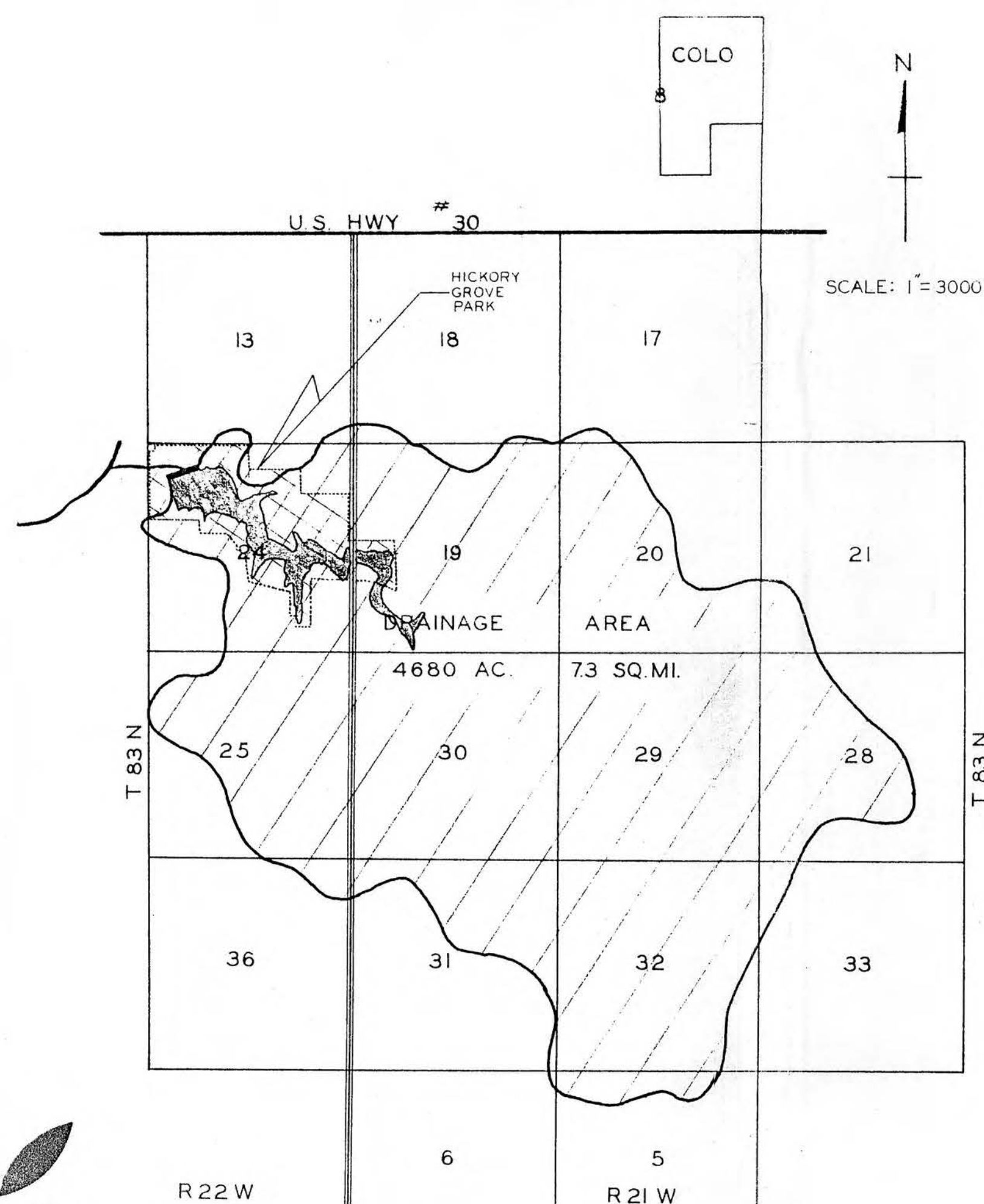
CLAY ROBISON — SEC.

HAROLD KIMBERLEY

DR. KEITH McNURLEN

WILBUR E. HORINE

McClure Engineering Co.
Consulting Engineers
Fort Dodge, Iowa



I hereby certify that this Application - Plan is an accurate and correct copy of the Application - Plan made a part of Iowa Natural Resources Council Order No. 65-102, Approved MAY 6, 1965.

John McManis Director
IOWA NATURAL RESOURCES COUNCIL

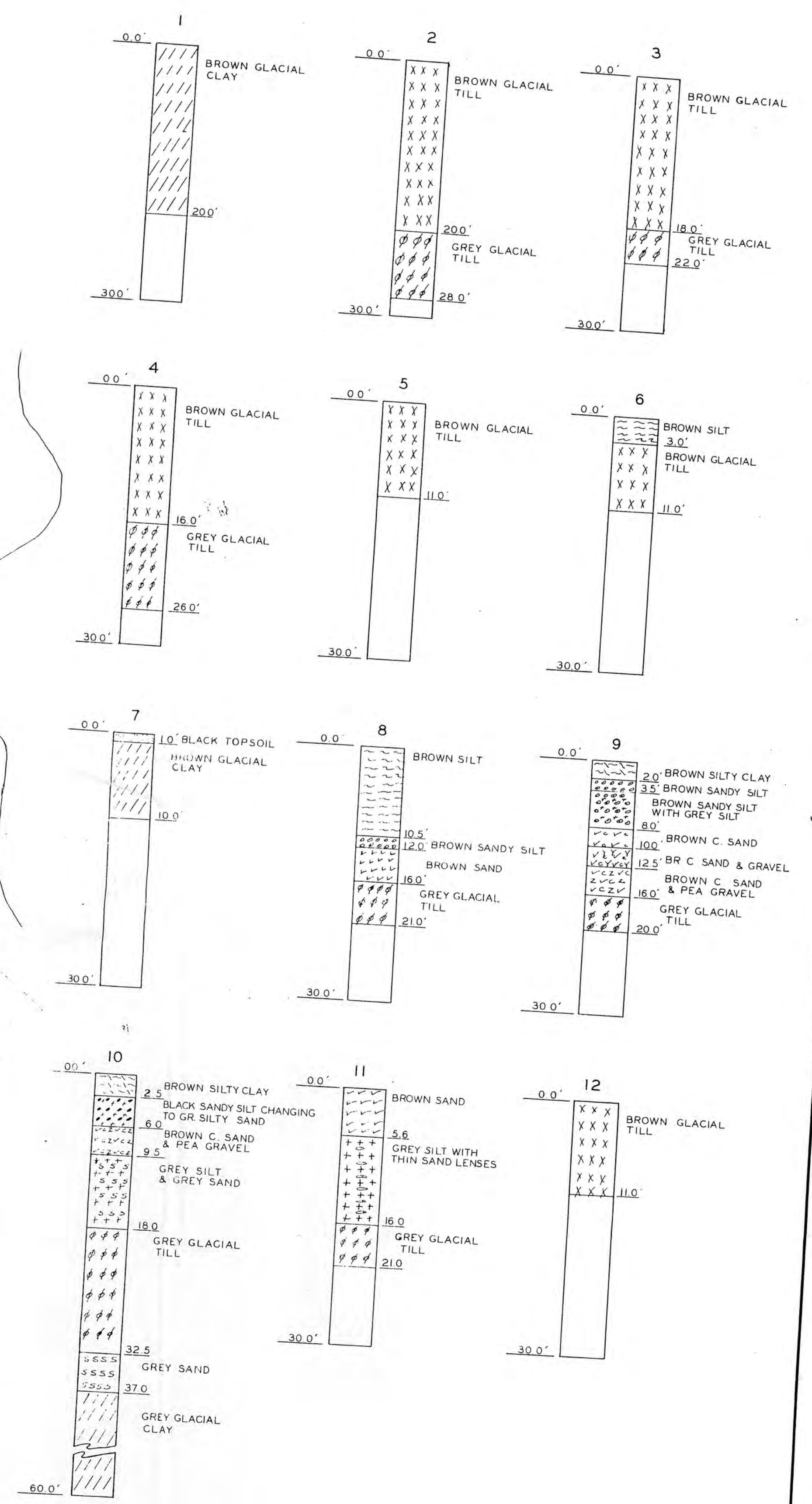
Con 3-4-1-1
Doc # 2933

OFFICE COPY





NOTE:
 1. SEE PAGE 3 FOR
 SECTIONS A-A THRU H-H
 2. SHADED AREA REPRESENTS AREA
 TO BE CLEARED & GRUBBED IN
 SECTION I OF PROPOSAL

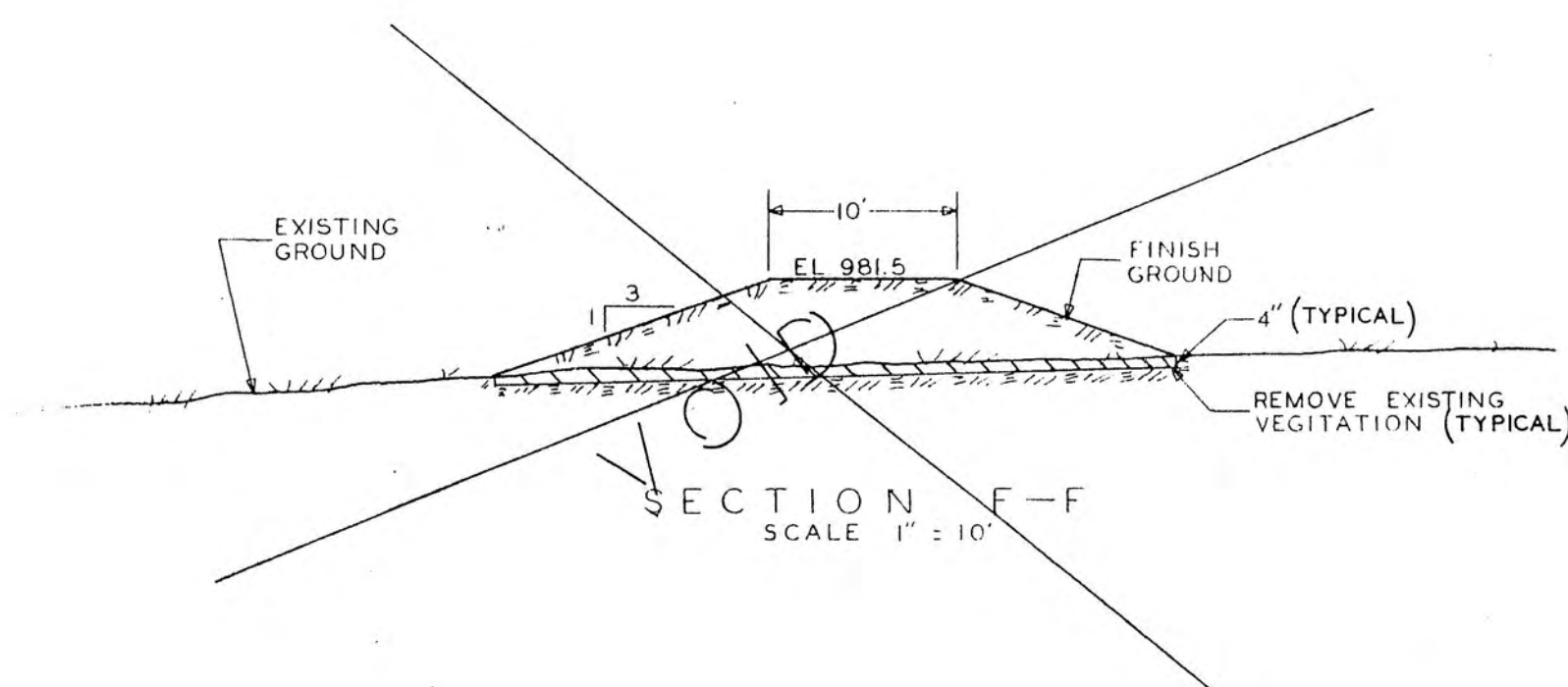
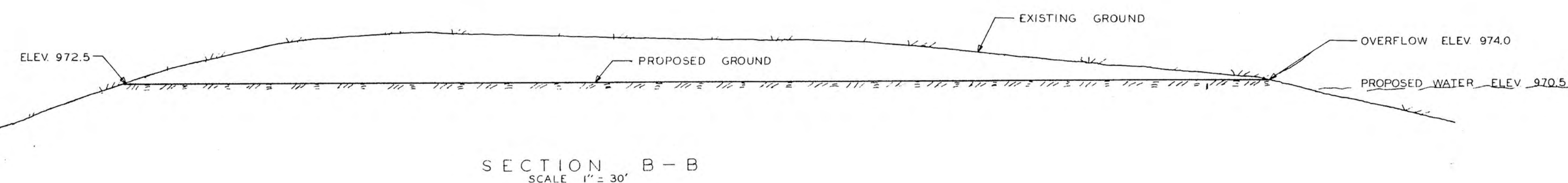
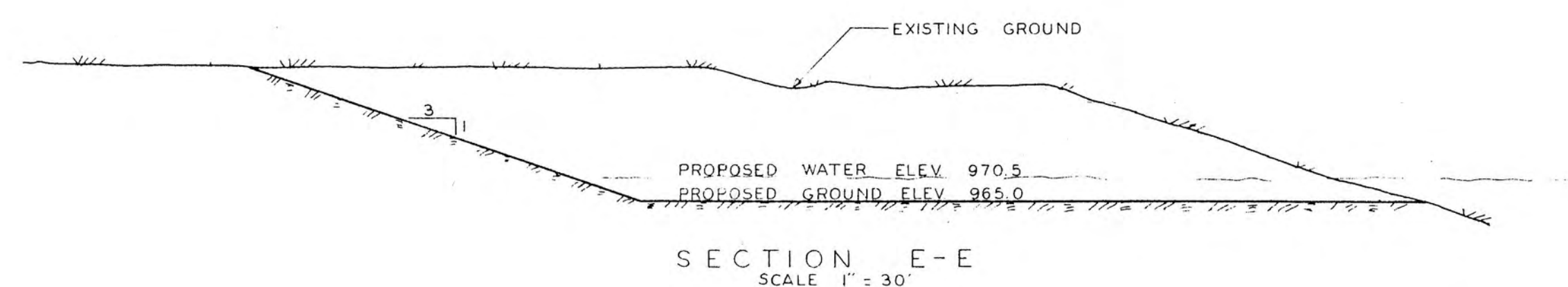
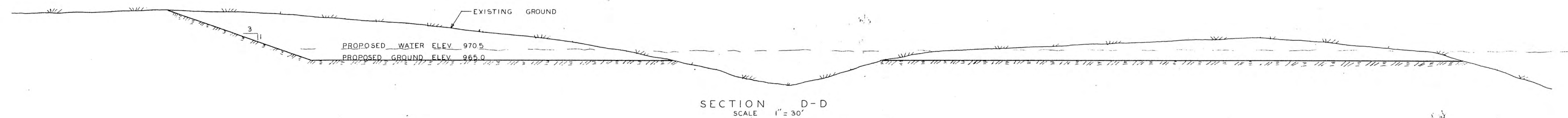


McCLURE ENGINEERING CO.
 CONSULTING ENGINEERS
 FT. DODGE, IA.

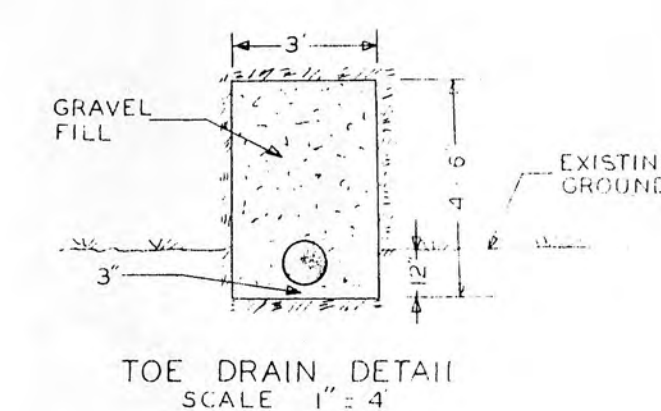
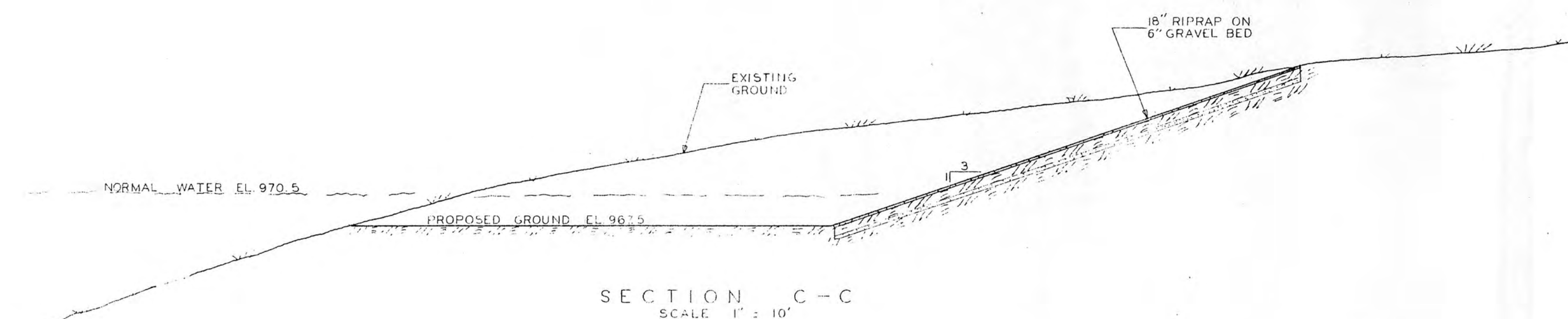
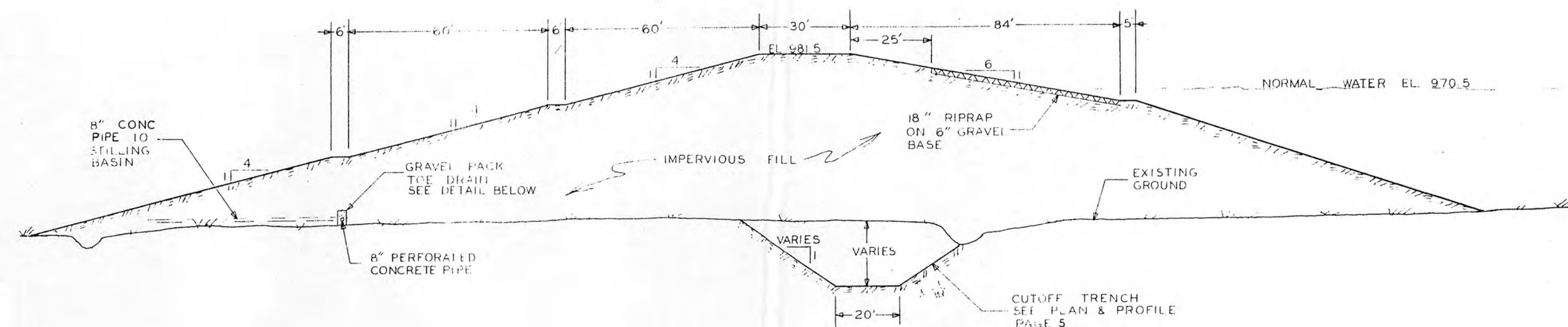
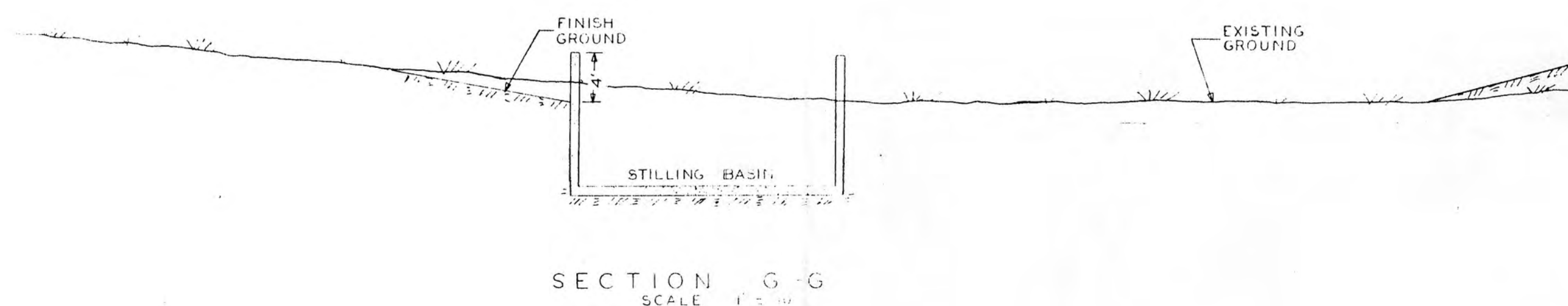
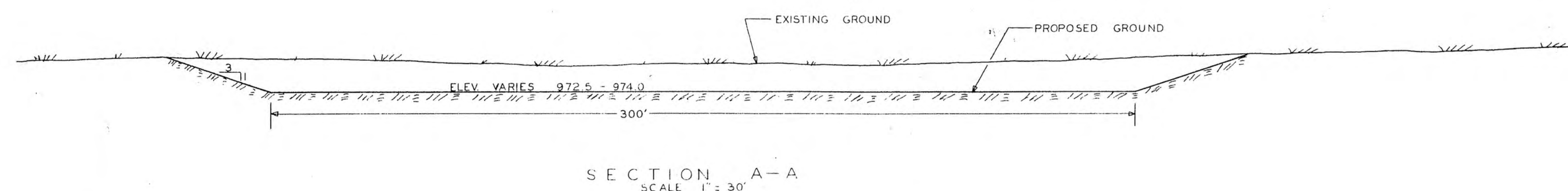
HICKORY GROVE PARK
 STORY COUNTY, IOWA

DAM AND SPILLWAY PLAN

BY	DATE	REV.	SHEET
T. N.	JAN. 1965		2/10
CK. BY	SCALE		



NOTE: REMOVE AND STOCKPILE
TOP 4" OF ALL CUT AND
FILL AREAS. THIS MATERIAL
TO BE USED AS TOP 2" 4"
IN AREAS TO BE SEED.



PROFILE

SURVEYED _____ BY _____ DATE _____

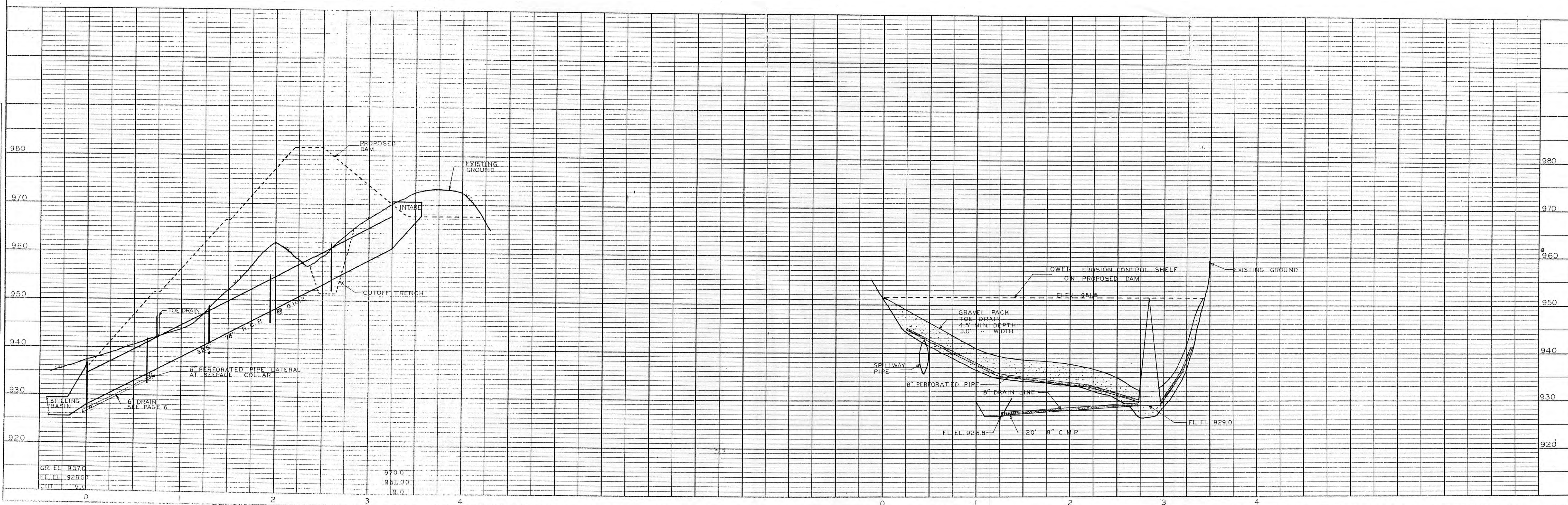
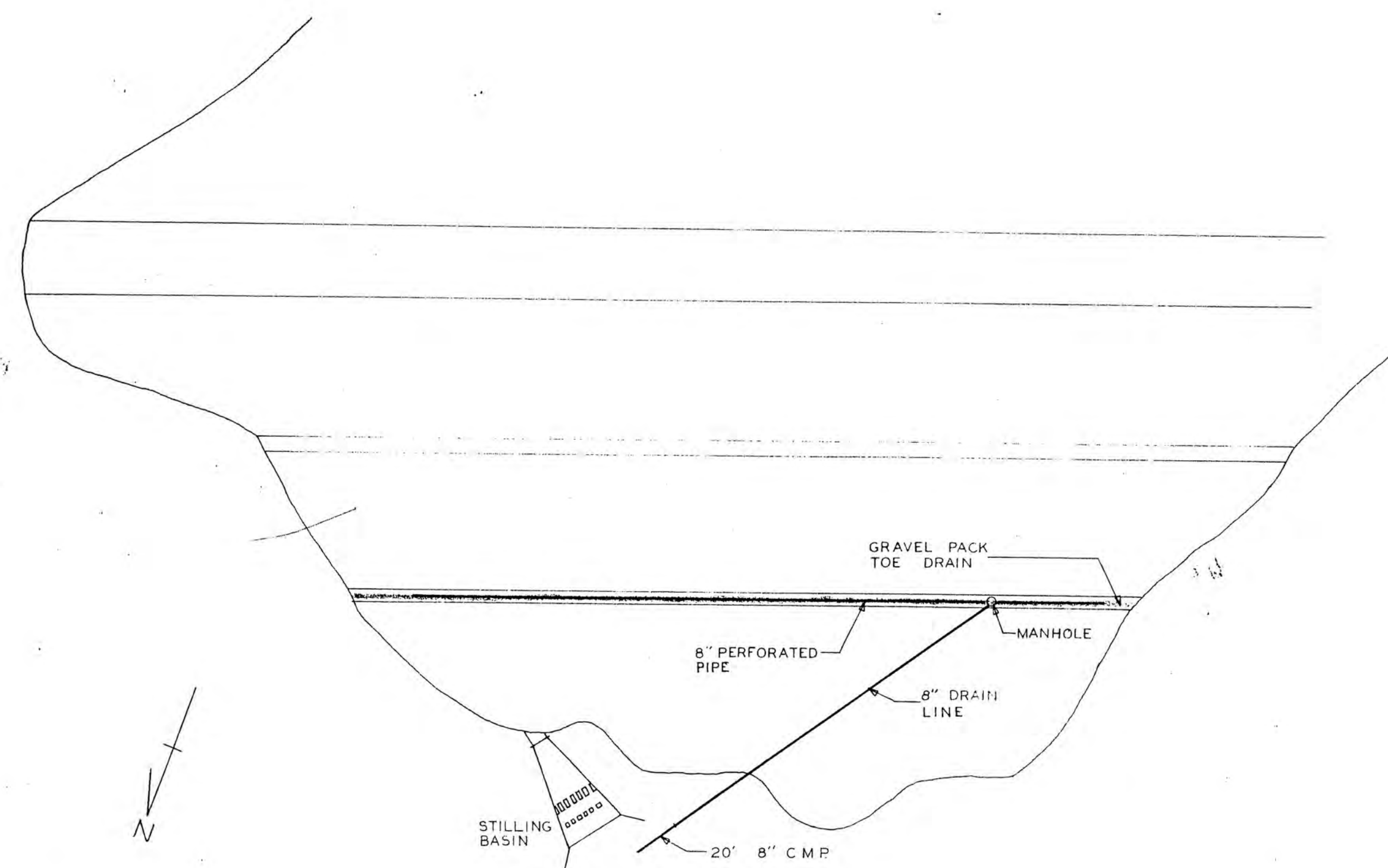
PLOTTED _____

NOTE BOOK _____ GRADES CHECKED _____

B. M. S NOTED _____

STRUCTURE NOTATIONS CH'KD _____

NO. _____



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	NO.		

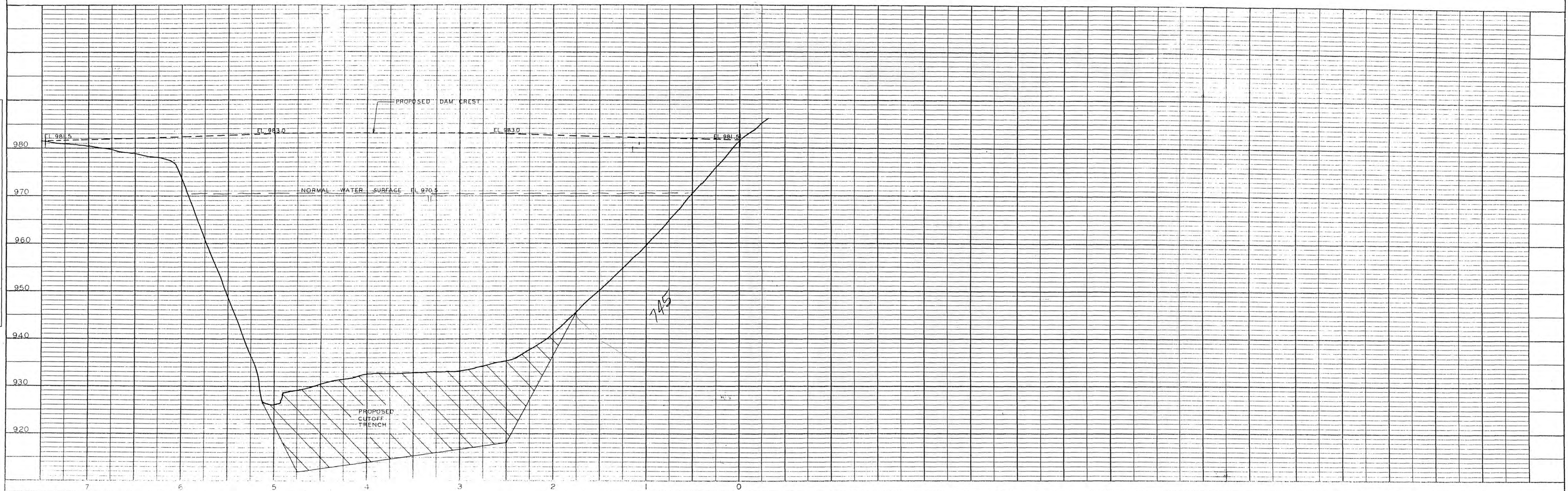
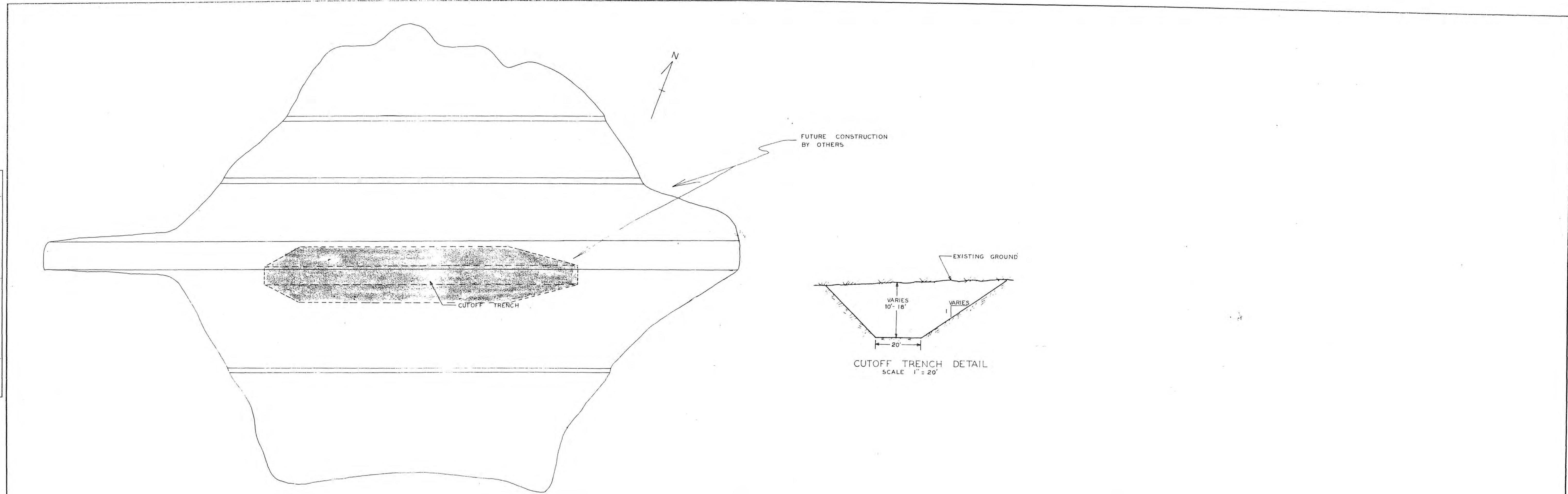
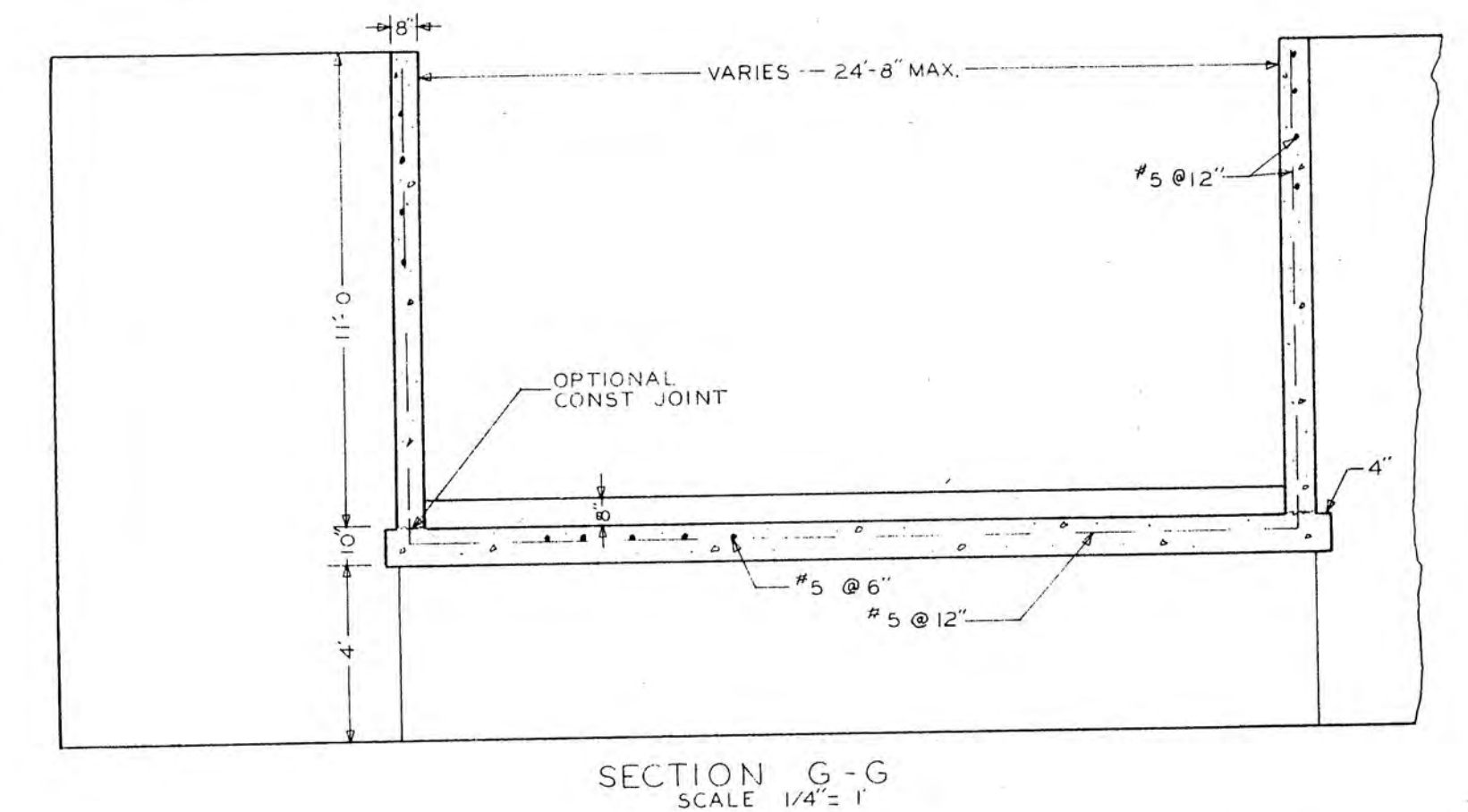
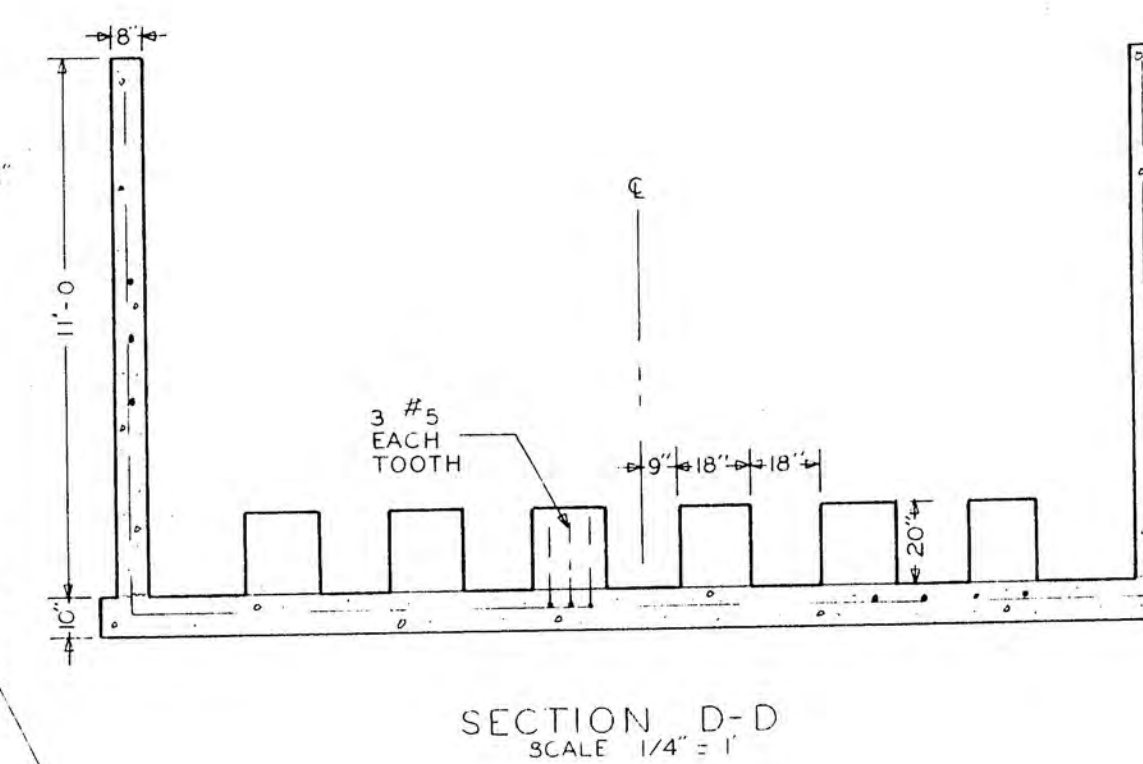
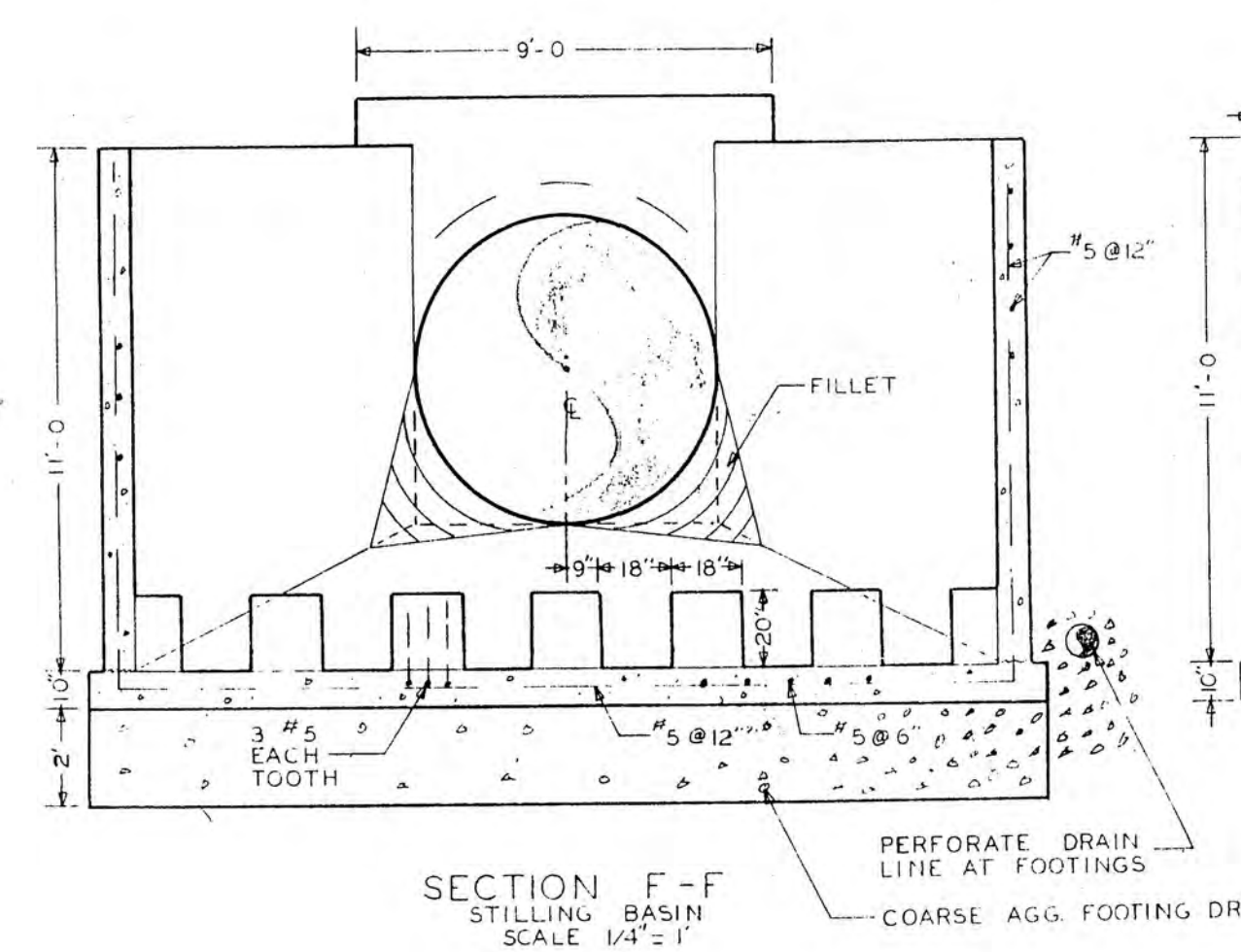
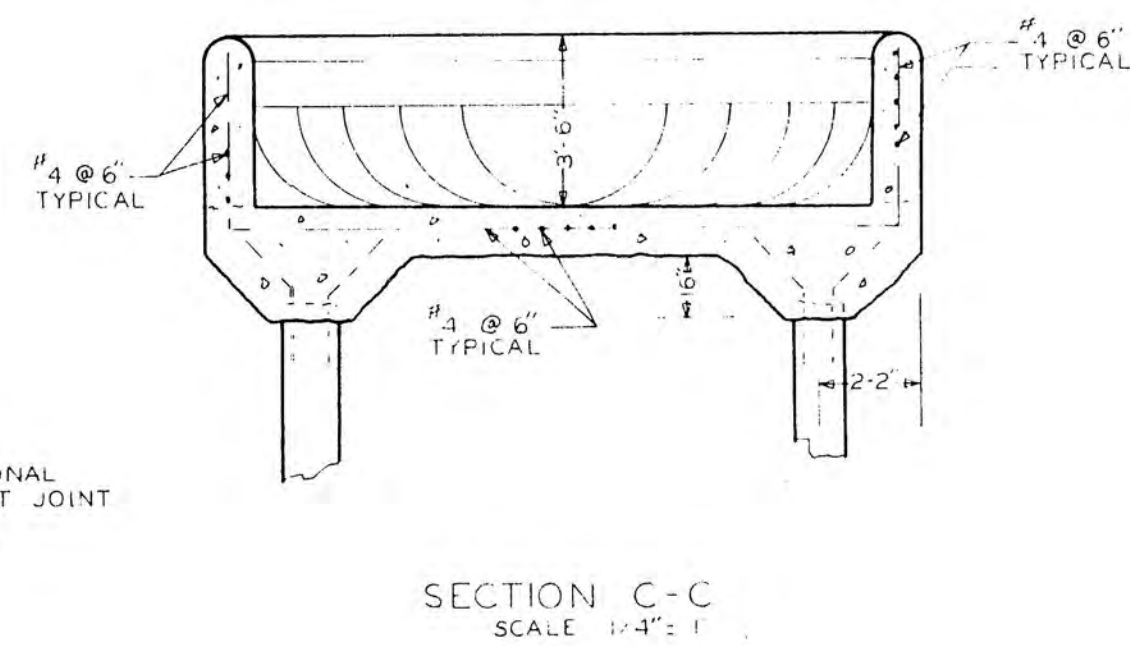
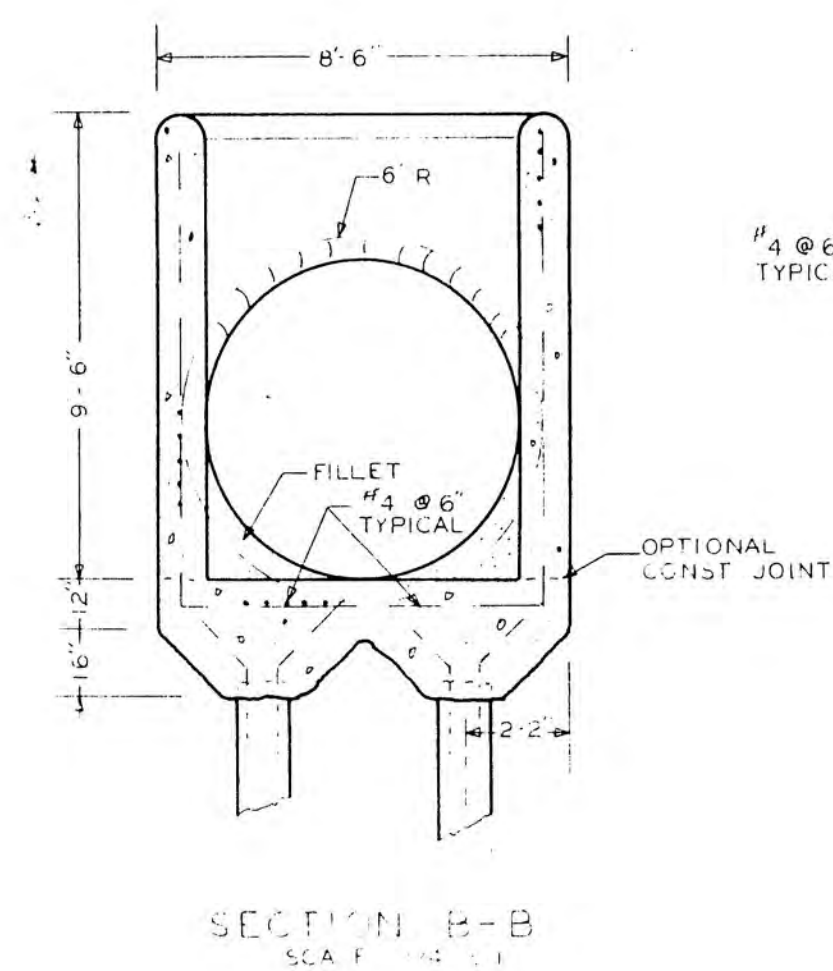
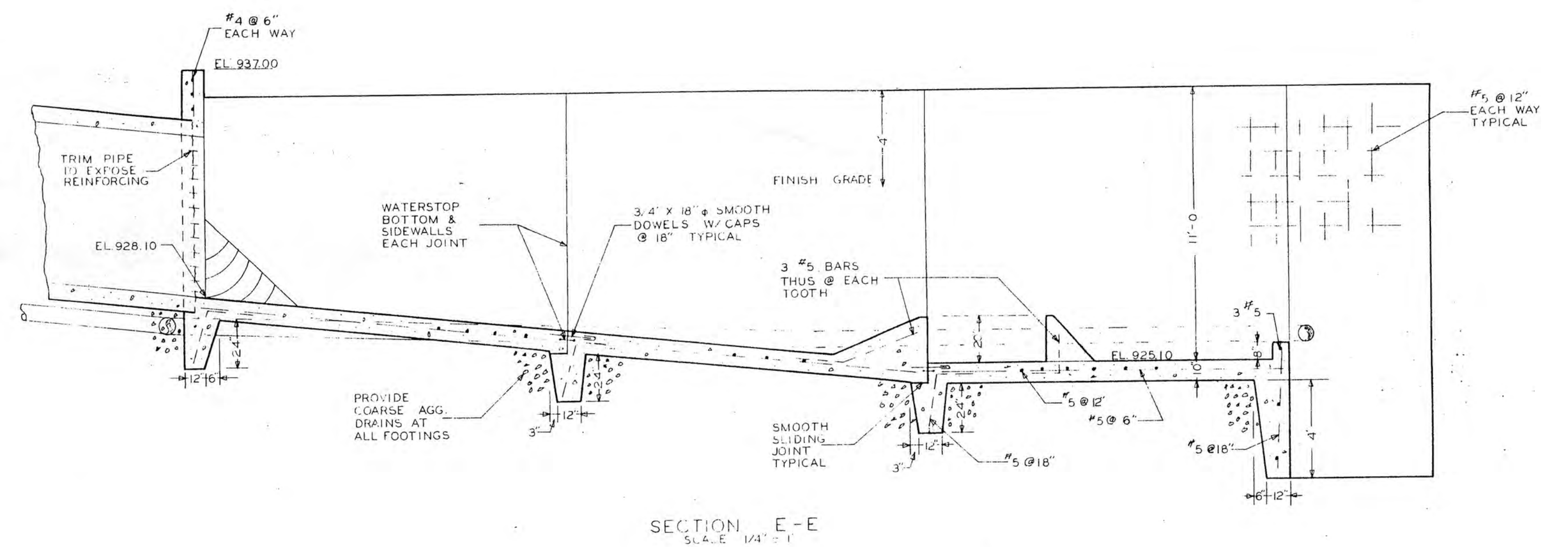
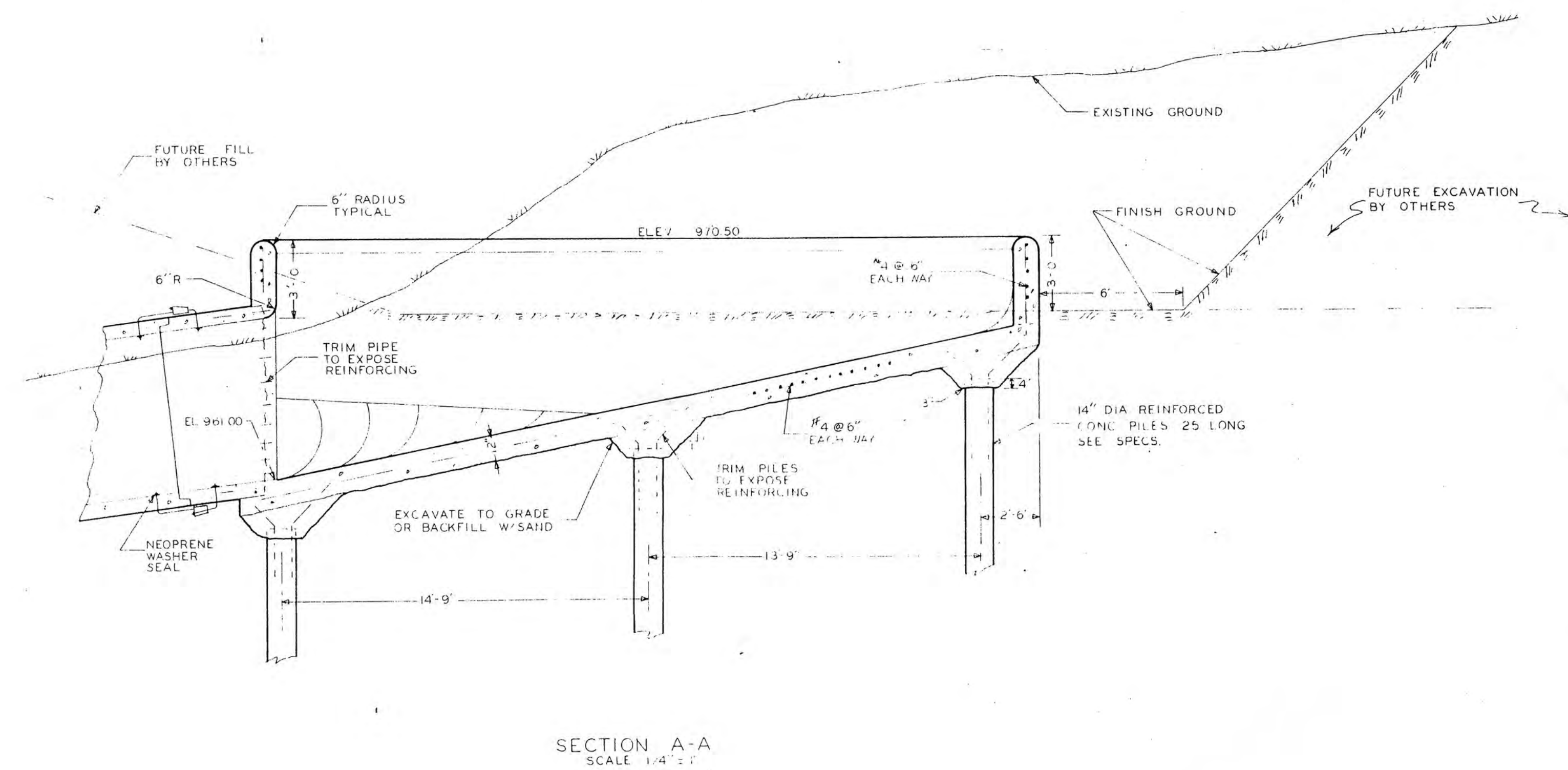
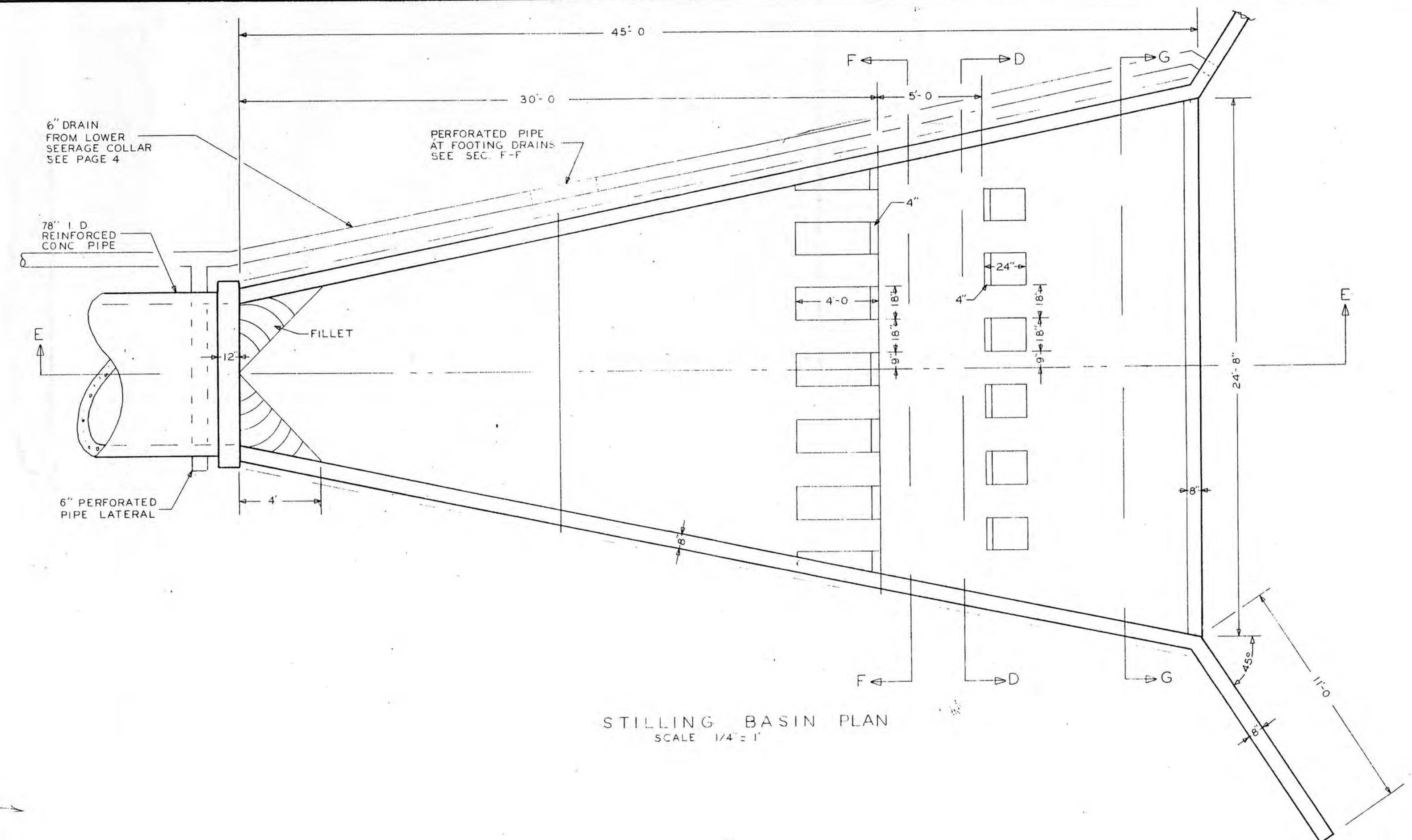
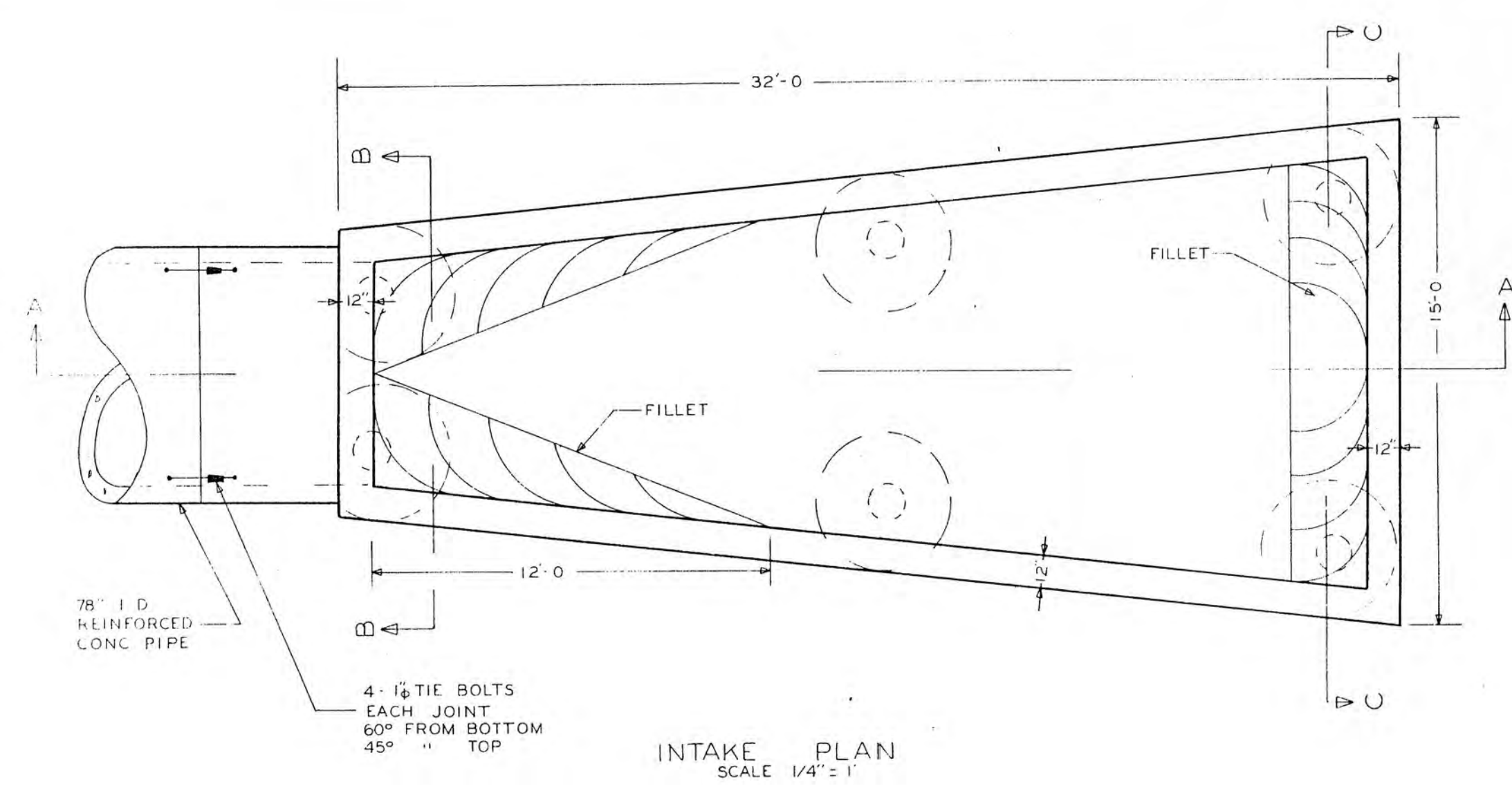


PLATE 1 - PLAN - PROFILE - F.A.S.
CLEARING POWER OF S.F. 200
NO. 10000





SCALE 1" = 200'

LEGEND

PROPOSED PARK ROADS ———

PROPOSED SAN SEWERS - - - - -

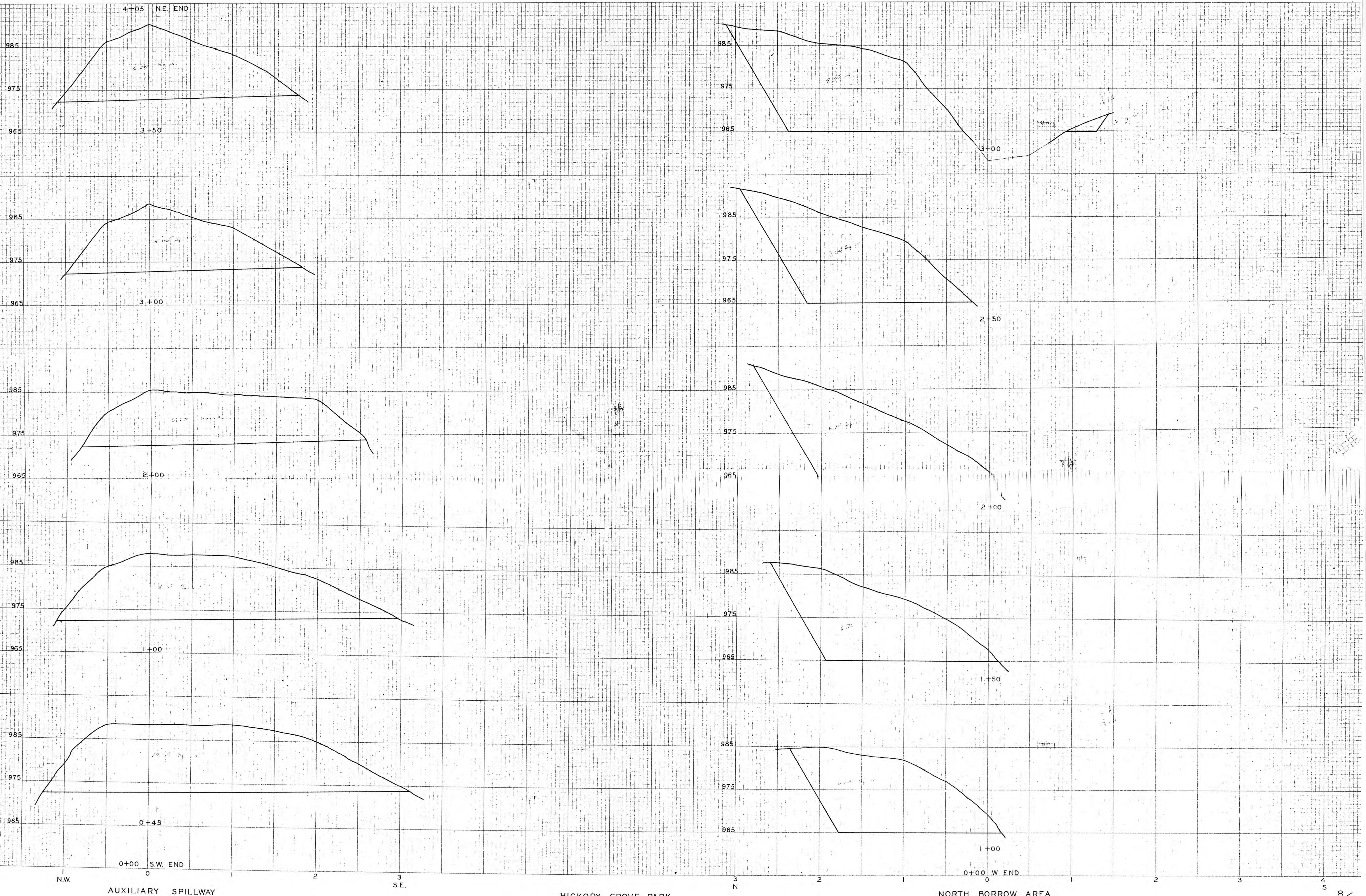
PROPOSED WATER MAINS - - - - -

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CONSULTING ENGINEERS
FT. DODGE, IA.

HICKORY GROVE PARK
STORY COUNTY, IOWA

UTILITIES AND ROADS

BY J.M.	DATE 12-28-64	REV.	SHEET 7/10
CK. BY	SCALE 1" = 200'		



N.W.

AUXILIARY SPILLWAY

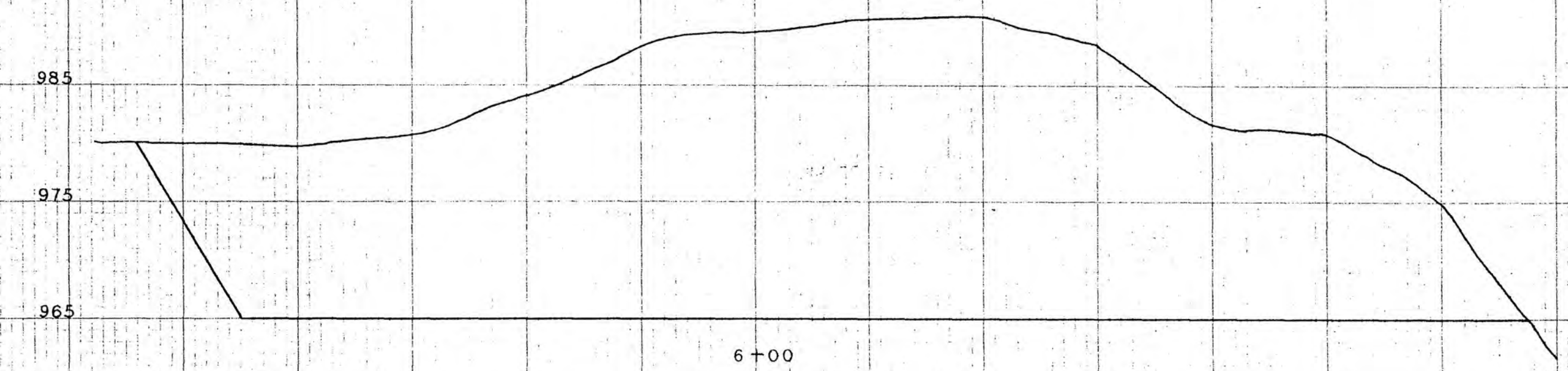
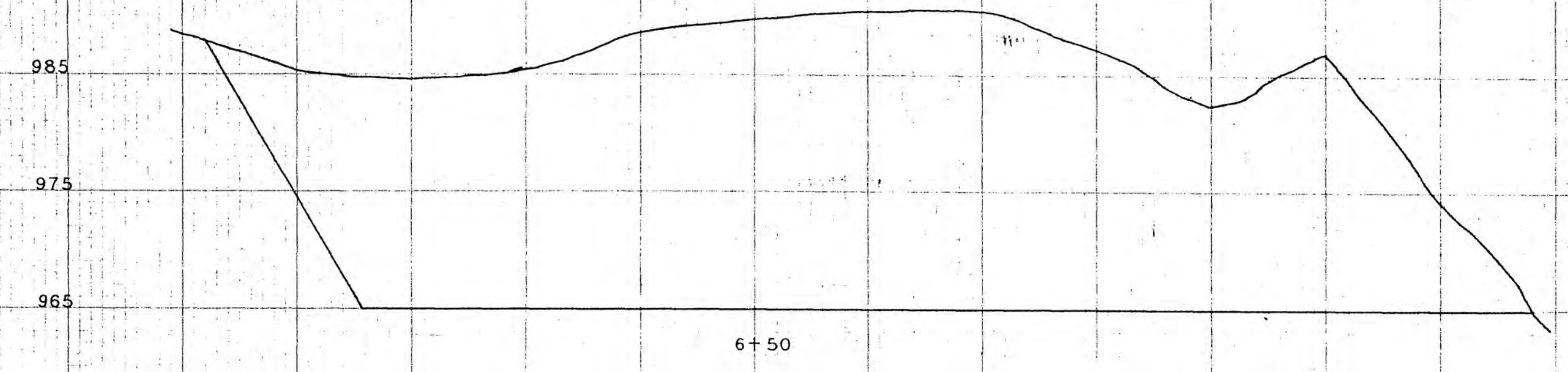
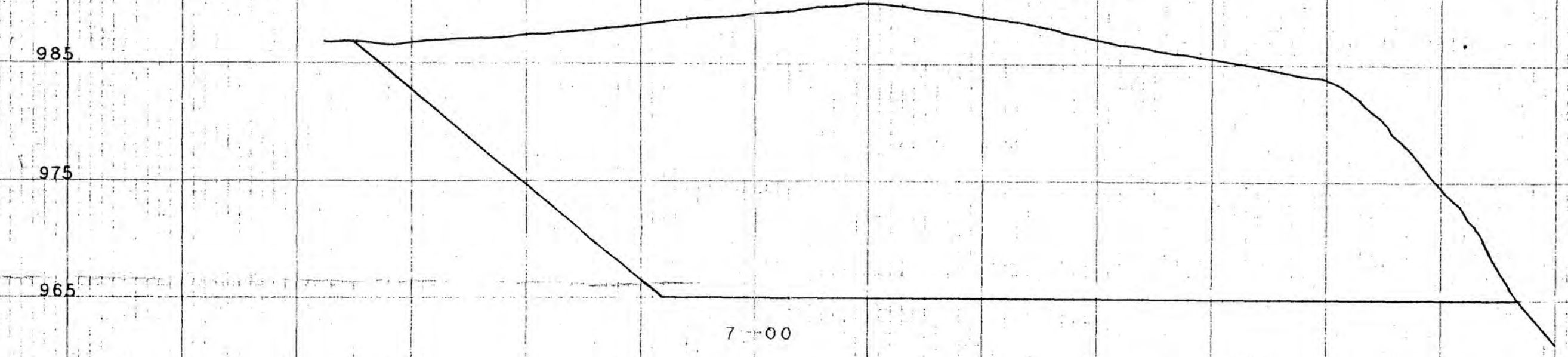
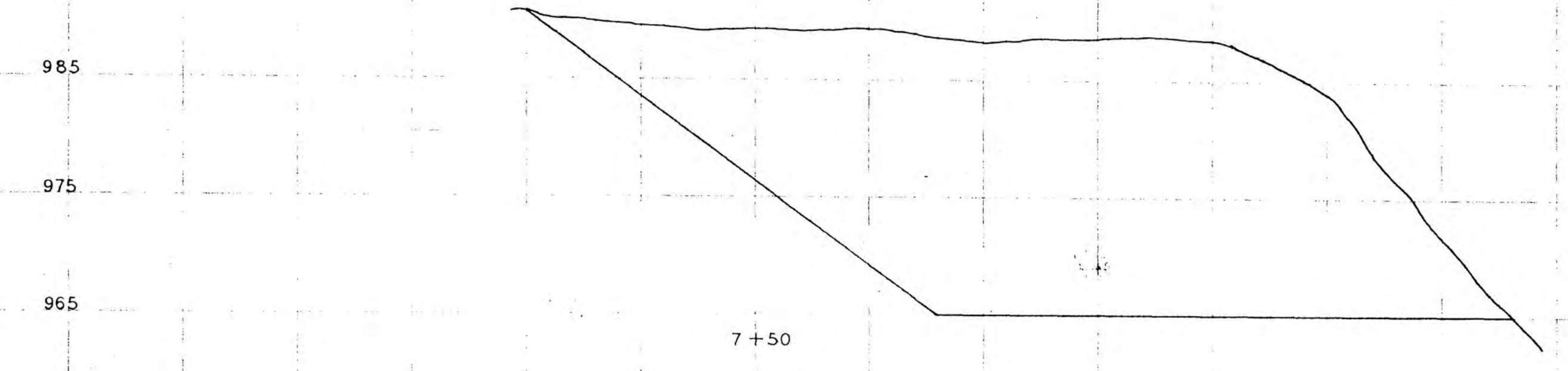
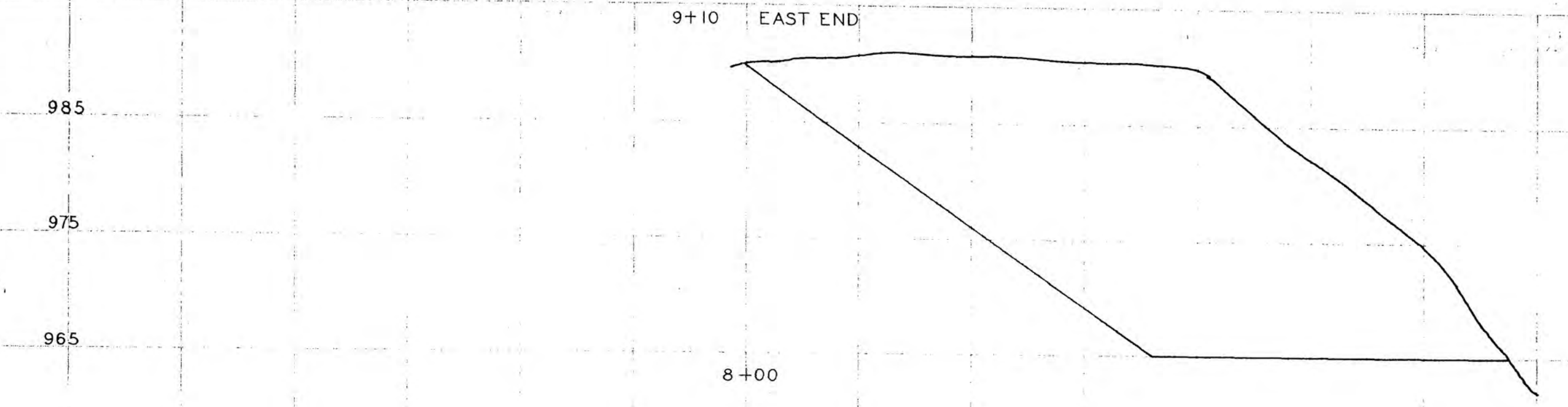
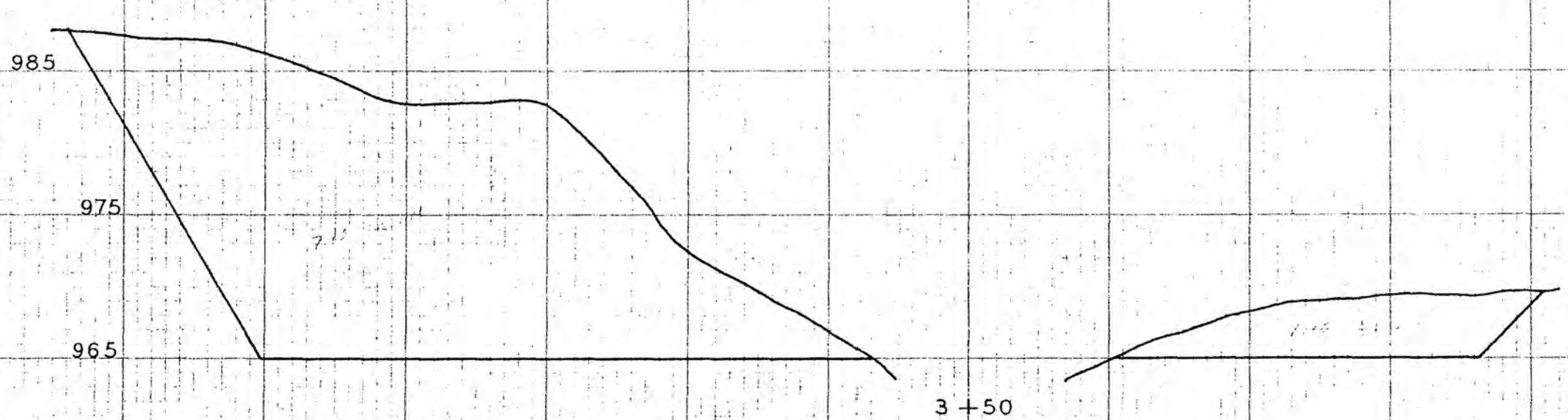
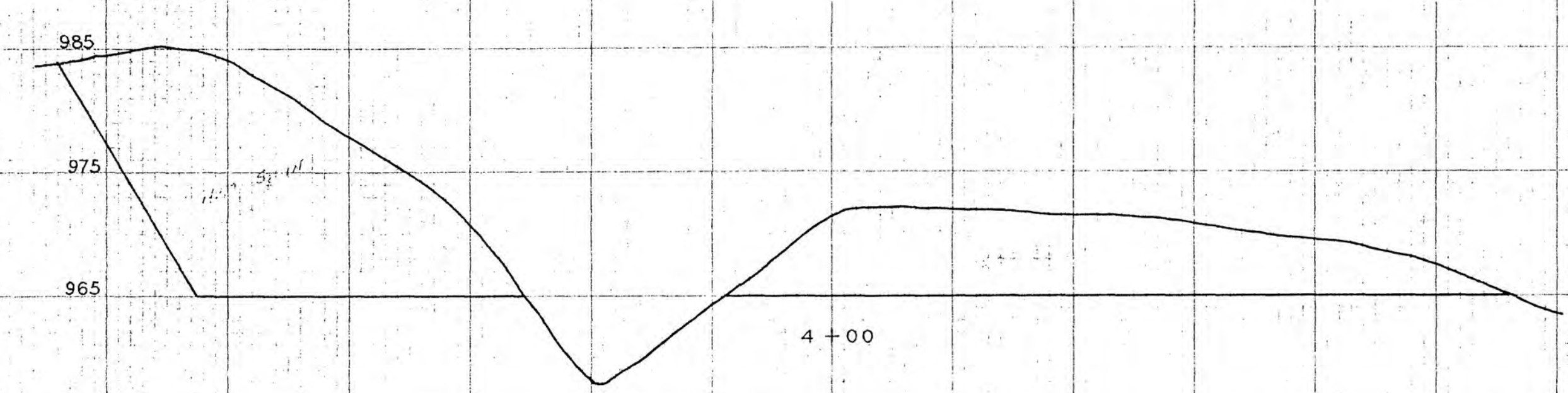
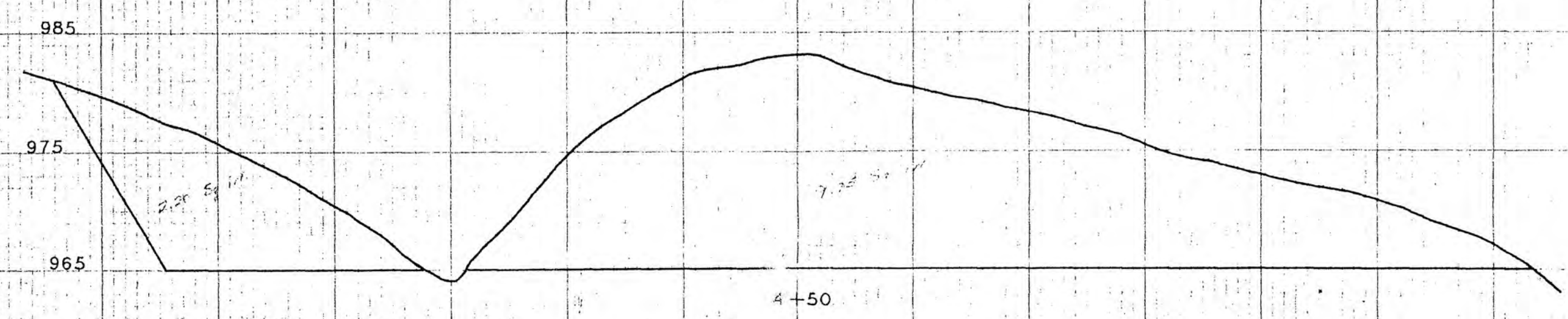
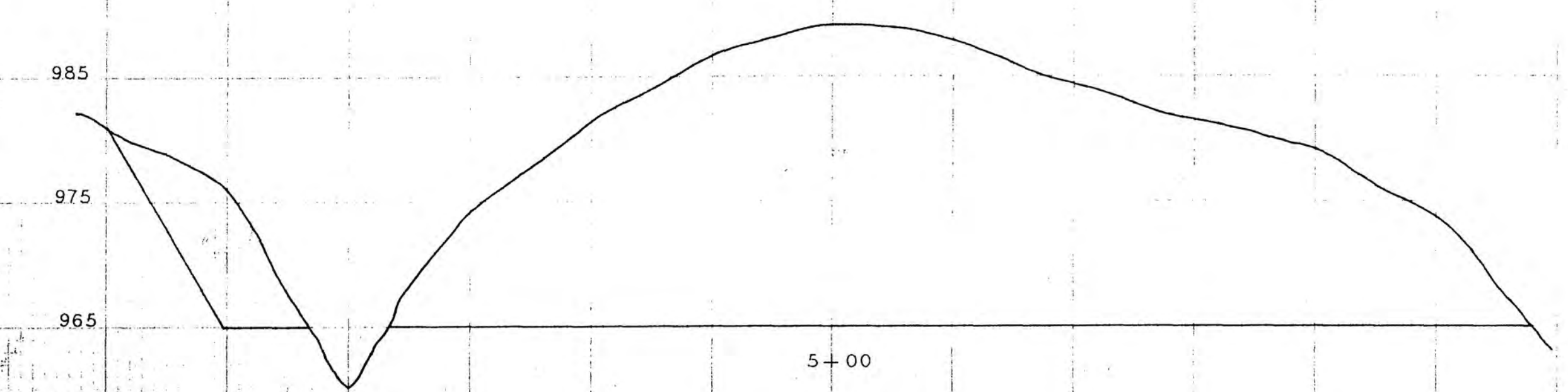
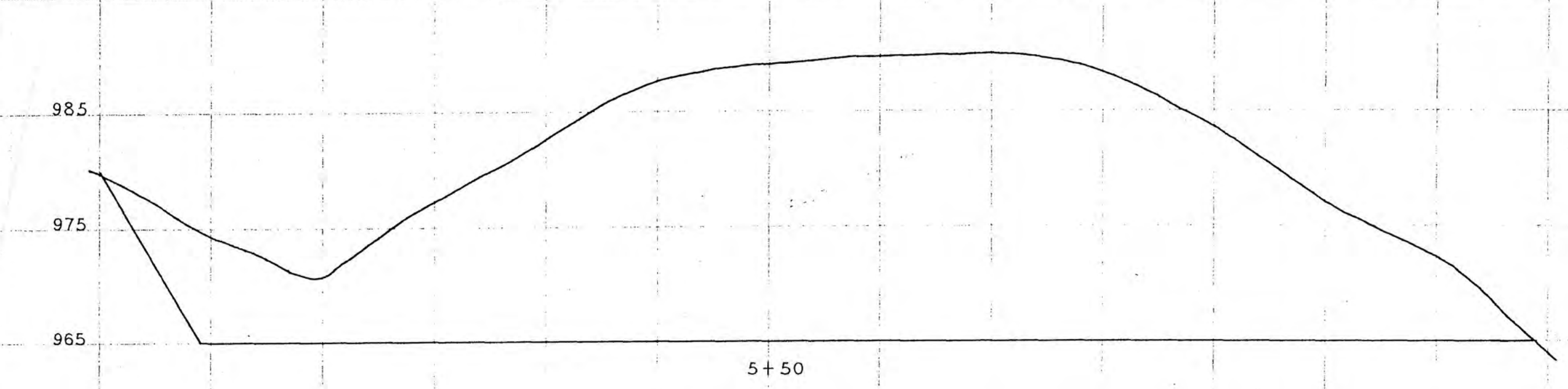
S.E.

HICKORY GROVE PARK
STORY COUNTY, IOWA

N

NORTH BORROW AREA

S

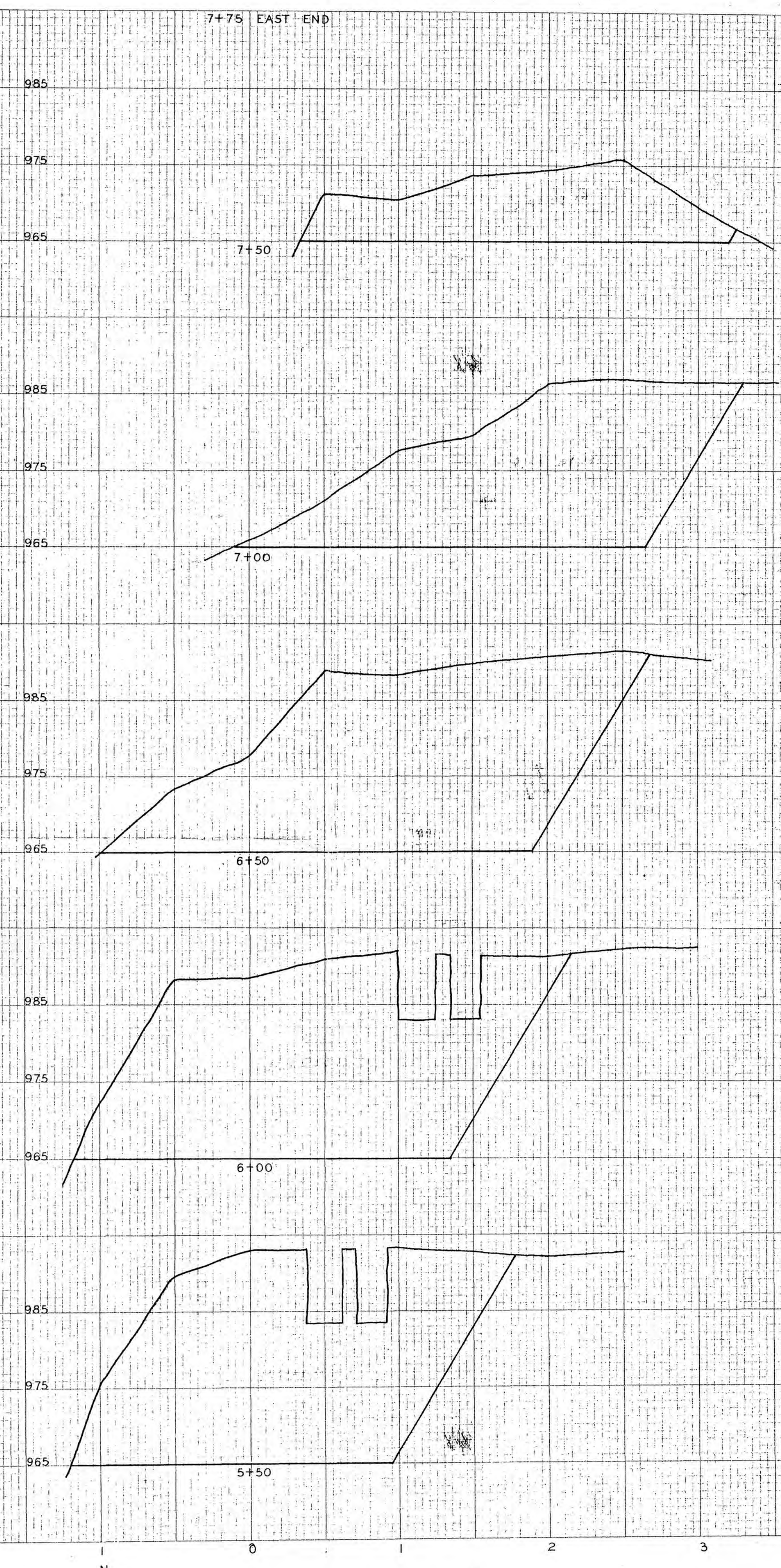
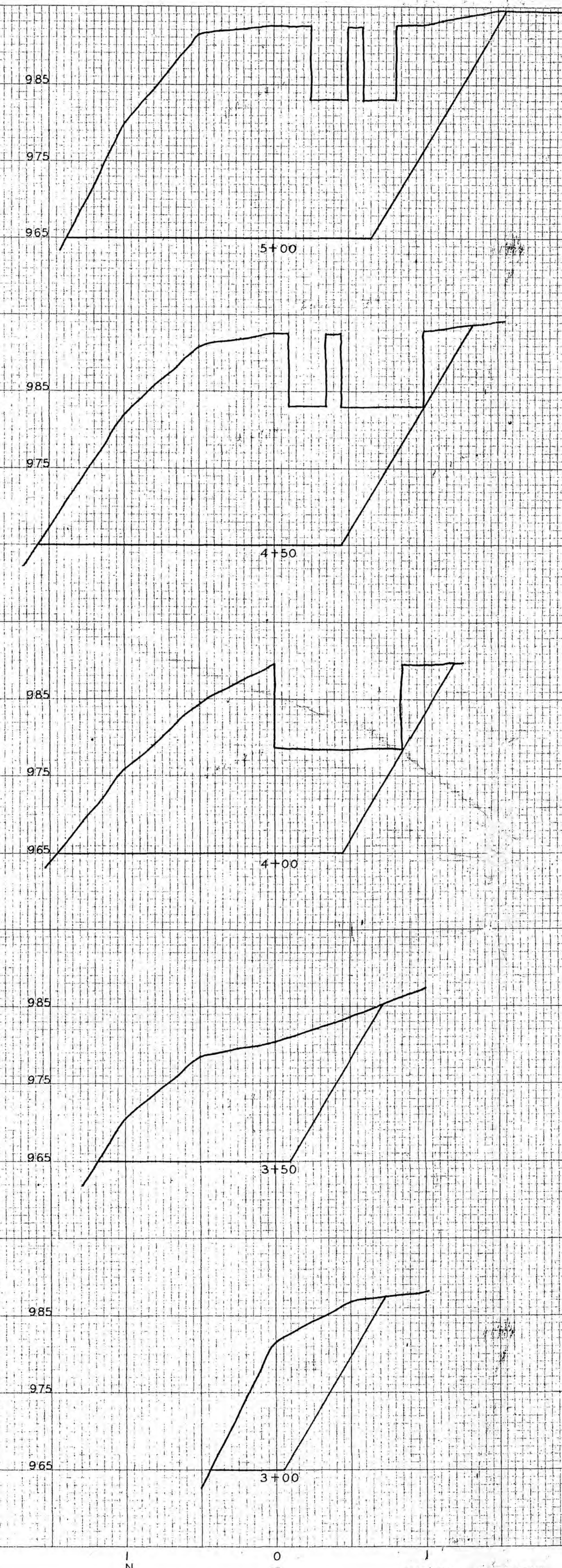
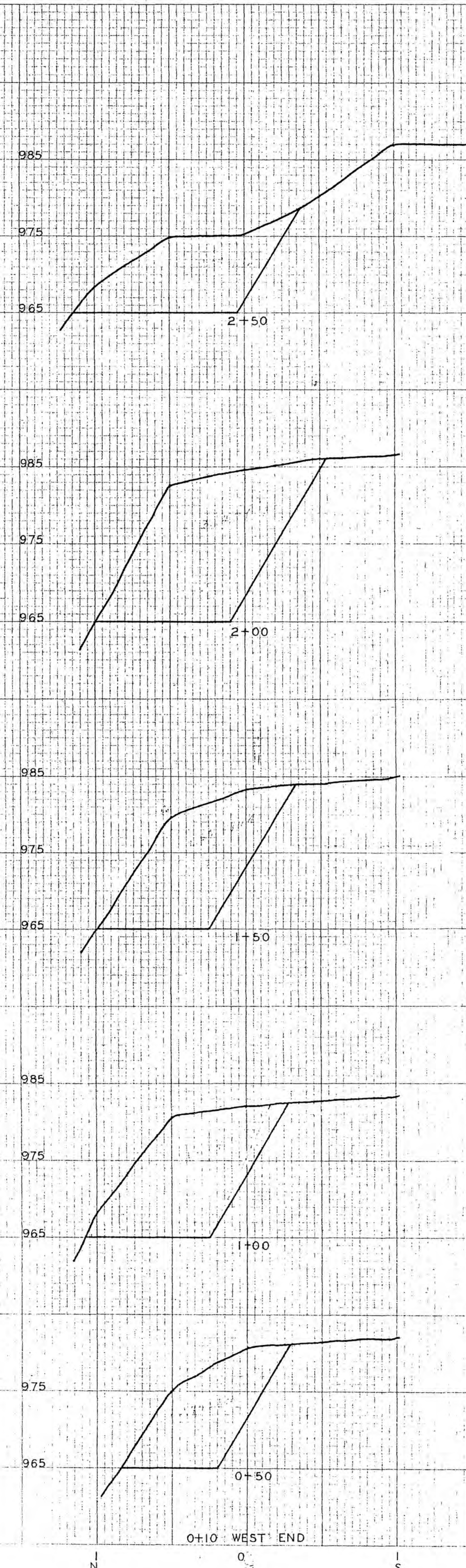


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NORTH BORROW AREA
HICKORY GROVE PARK
STORY COUNTY, IOWA

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FILE NO. 8-00-00

SOUTH BORROW AREA
HICKORY GROVE PARK
STORY COUNTY, IOWA