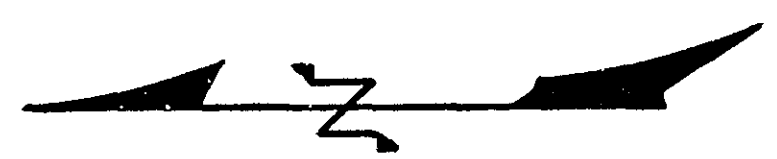


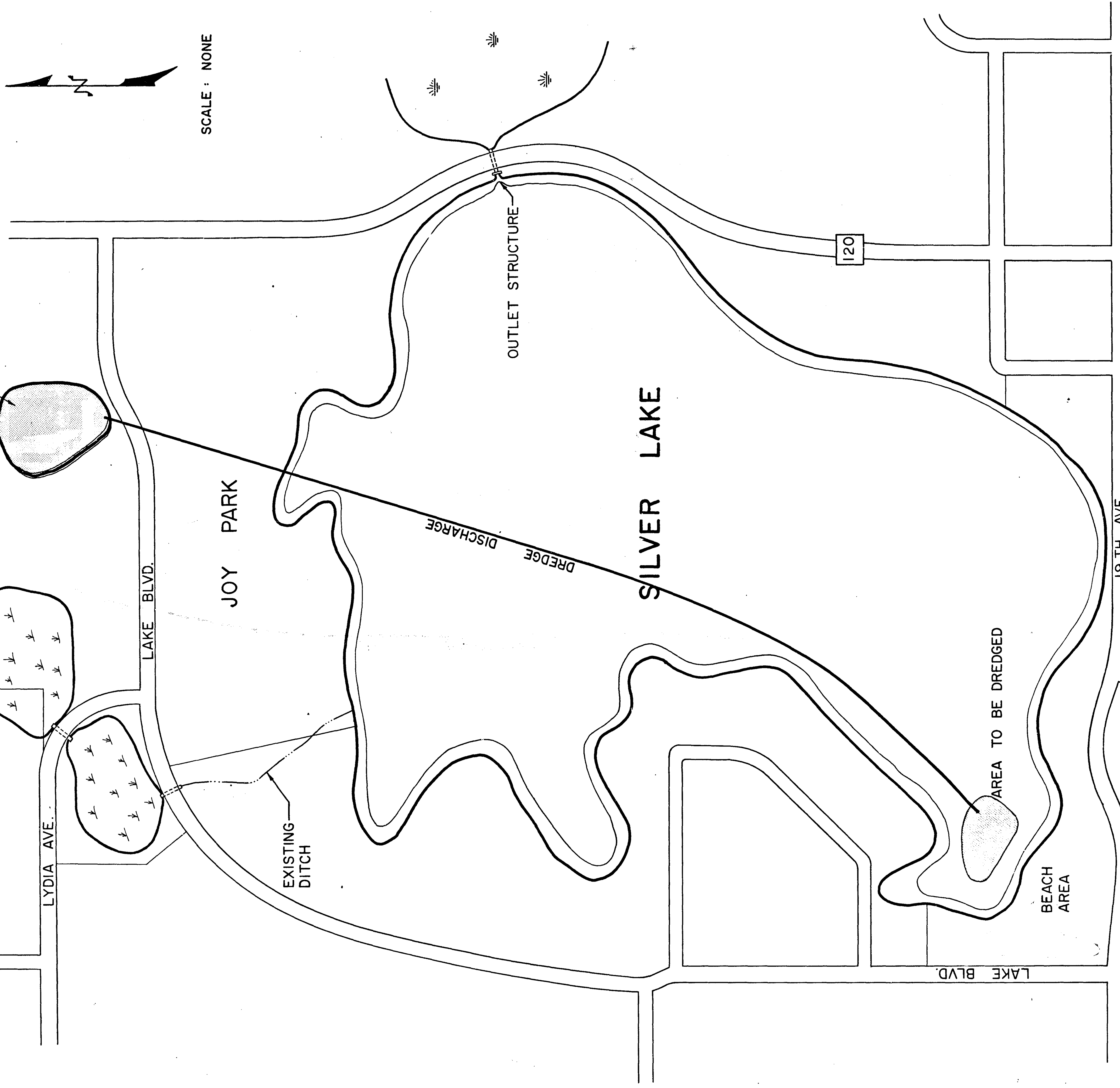
DRAINAGE FROM INTERSTATE - 694

APPROXIMATE DREDGING LIMITS
APPROXIMATE DISPOSAL AREA

DISPOSAL AREA



SCALE: NONE



120

19 TH. AVE.

LAKE BLVD.

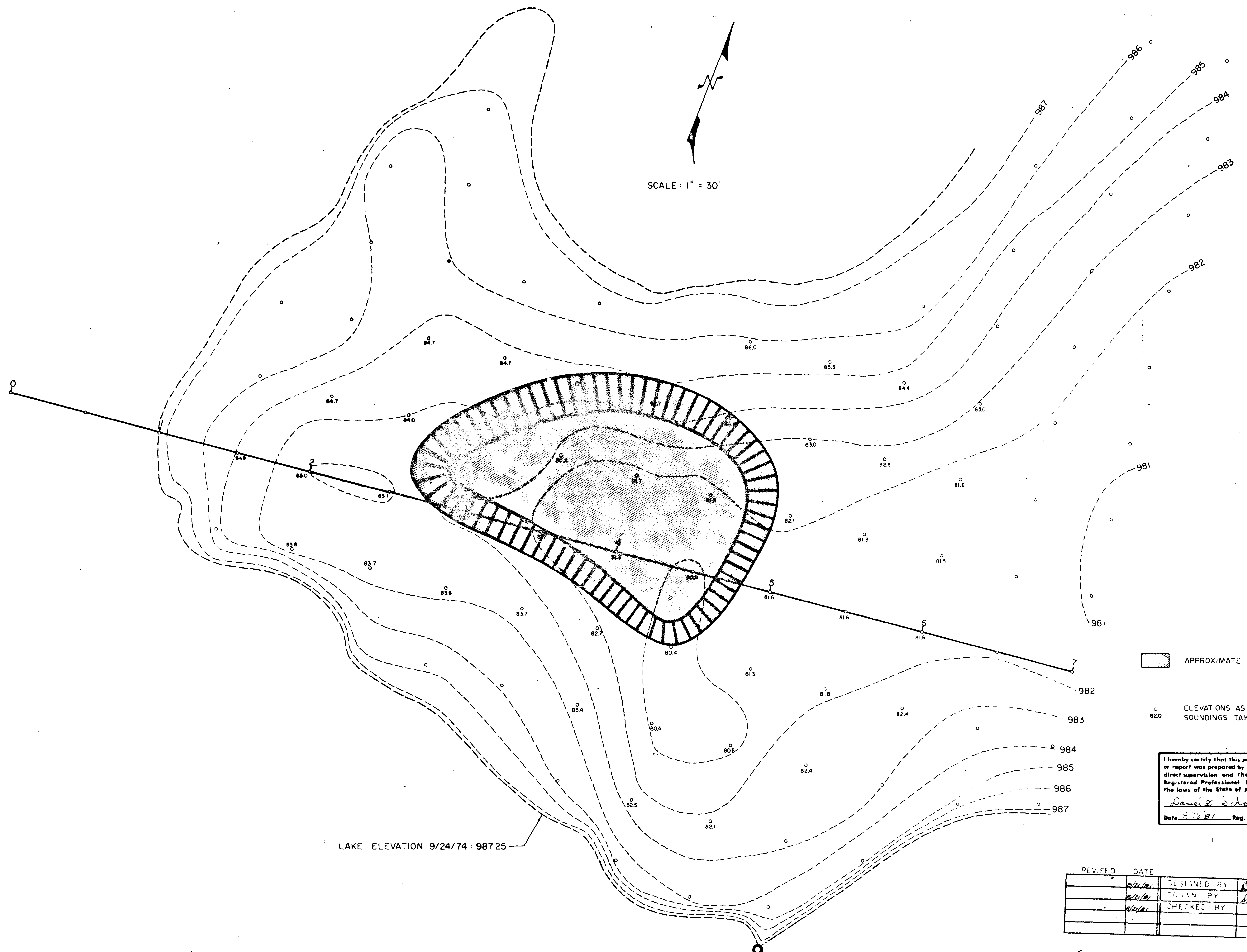
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Dennis J. Schaefer
Date 8/18/67 Reg. No. 11654

SILVER LAKE EAST

PROPOSED DREDGING
RAMSEY COUNTY ENG. DEPT.
CITY OF NORTH ST. PAUL

REVISED	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
		<i>D. Schaefer</i>	<i>D. Schaefer</i>	<i>D. Schaefer</i>
		<i>M. M. M.</i>	<i>M. M. M.</i>	<i>M. M. M.</i>

SCALE: 1" = 30'



LAKE ELEVATION 9/24/74: 987.25

APPROXIMATE DREDGING LIMITS

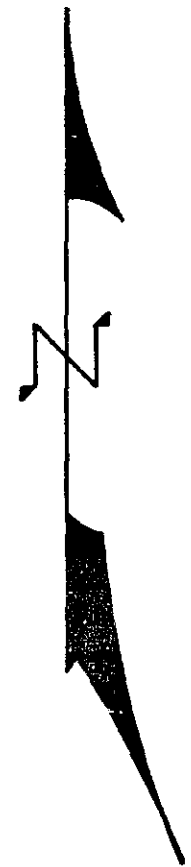
ELEVATIONS AS DETERMINED BY SOUNDINGS TAKEN 1/7/75

I hereby certify that this plan, specification, or report 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.
Daniel J. Schacht
 Date 8/16/81 Reg. No. 11654

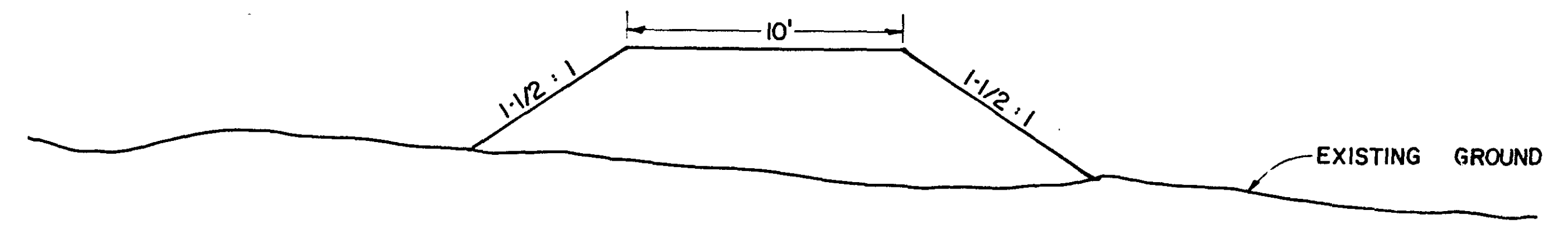
REVISED	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
	8/16/81	D. Schacht		
	8/16/81			
	8/16/81			

PUMP HOUSE

CONTRACTOR SHALL INSTALL SUITABLE
OVERFLOW PIPE FROM DISPOSAL SITE.
ALIGNMENT TO BE DETERMINED BY
THE ENGINEER.



SCALE
1" = 25'



TYPICAL DIKE SECTION
SCALE : 1" = 5'



DISPOSAL AREA MAY BE
FILLED TO 1004

TOP OF DIKE = 1005 ±

NOTE: VOLUME OF DIKE IS APPROX. 562 CU. YDS.
& WILL BE CONSTRUCTED USING MATERIAL
FROM ONSIGHT STOCKPILES.

 APPROXIMATE DISPOSAL AREA

DISPOSAL SITE

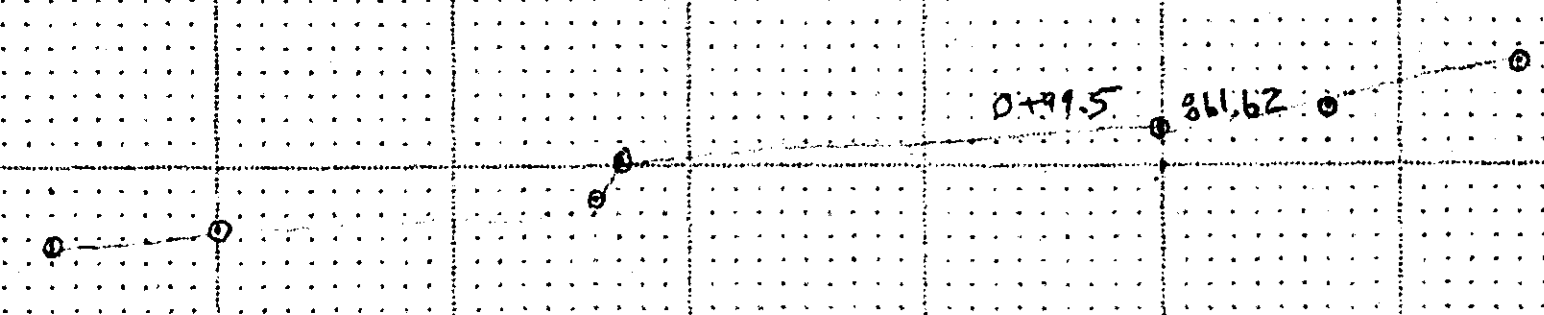
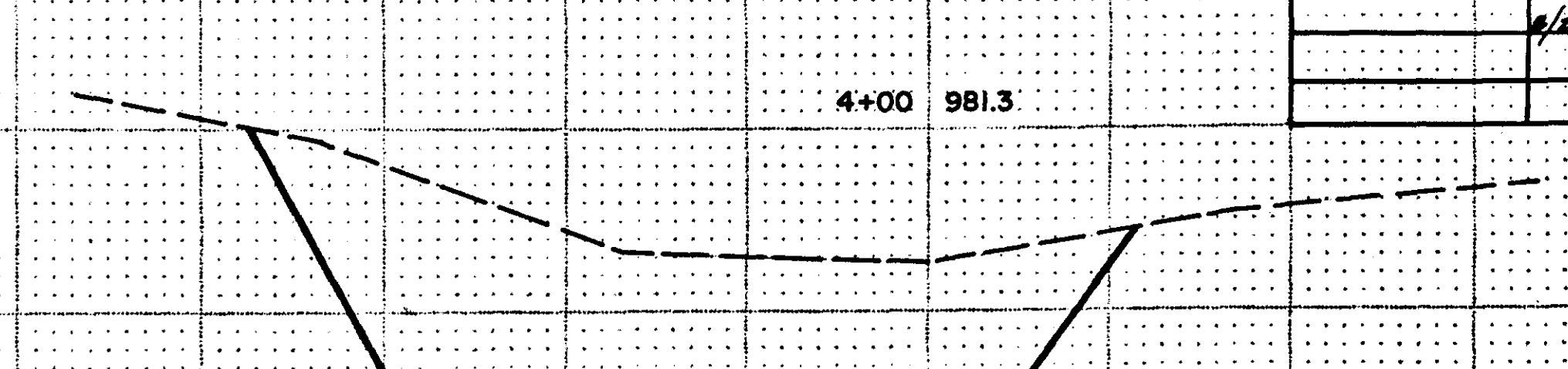
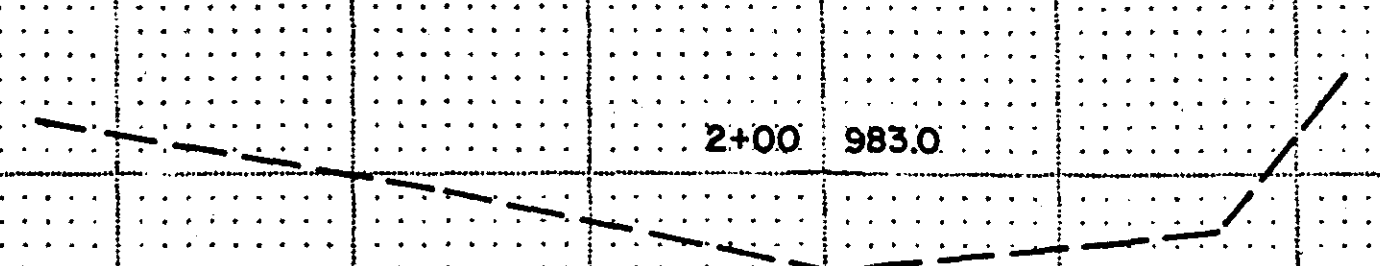
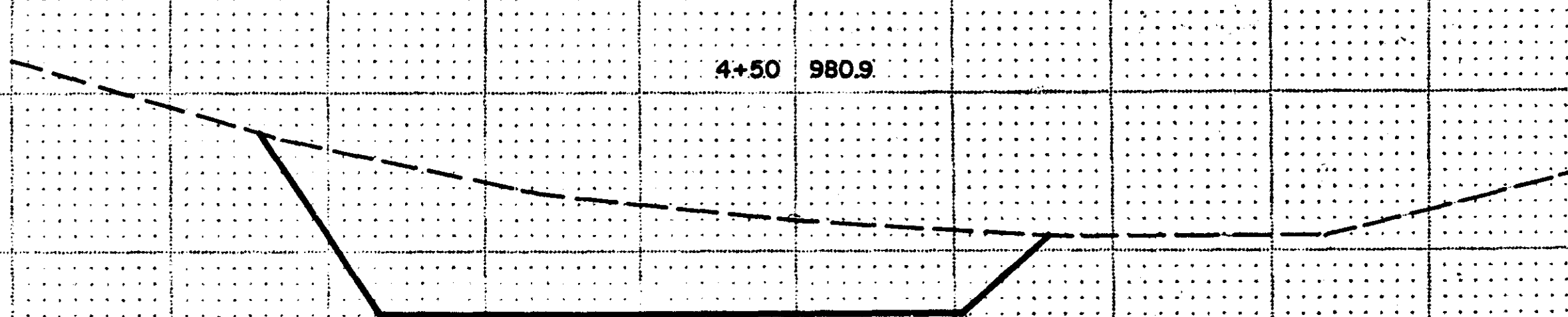
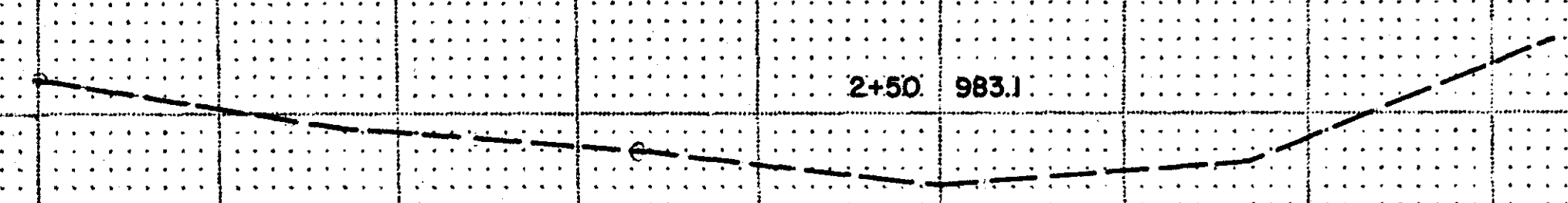
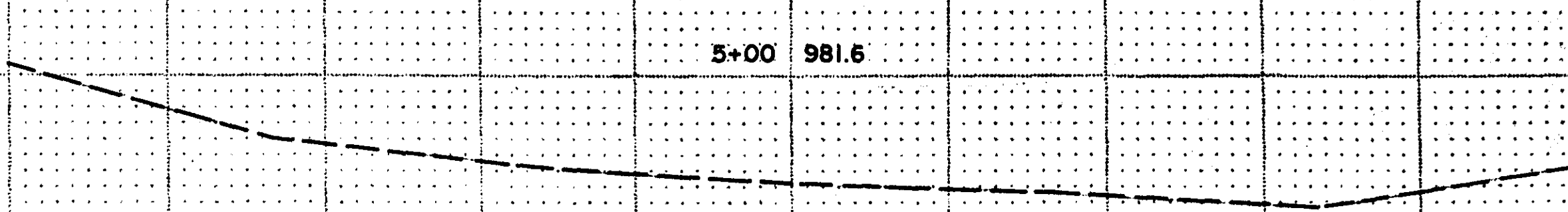
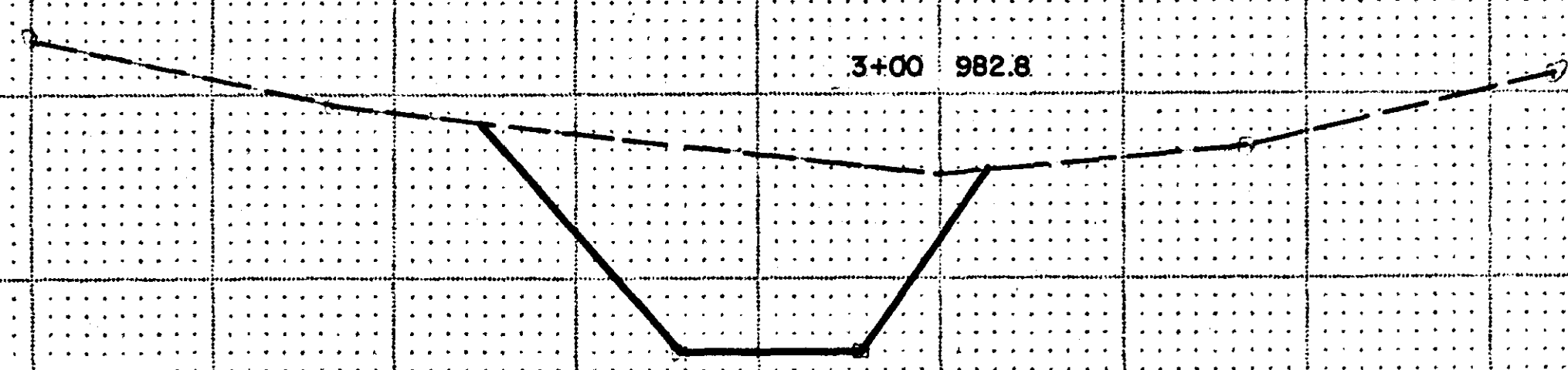
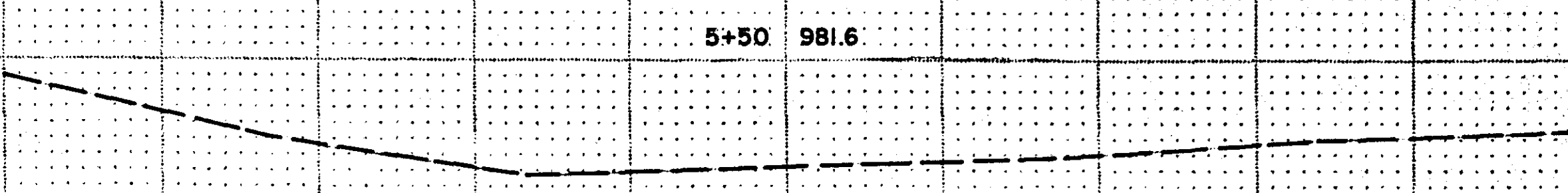
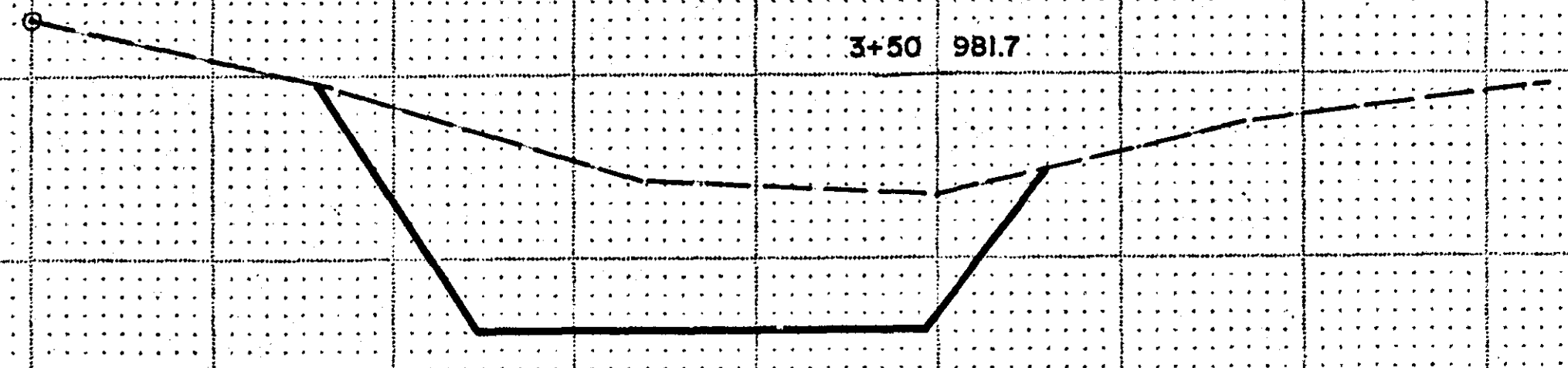
ESTIMATED QUANTITIES

- MATERIAL TO BE DREDGED = 3200 CU. YDS.
- PRIMARY DISPOSAL AREA STORAGE CAPACITY = 5370 CU. YDS.
- TOP SOIL = 454 CU. YDS.
- SEED MIXTURE 5 = 56.5 LBS.
- MULCH TYPE I = 2.3 TON

REVISED	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
	8/16/81	D. Schacht	D. Schacht	D. Schacht

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or report 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.
Daniel G. Schacht
Date 8/16/81 Reg No 11859

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=5'

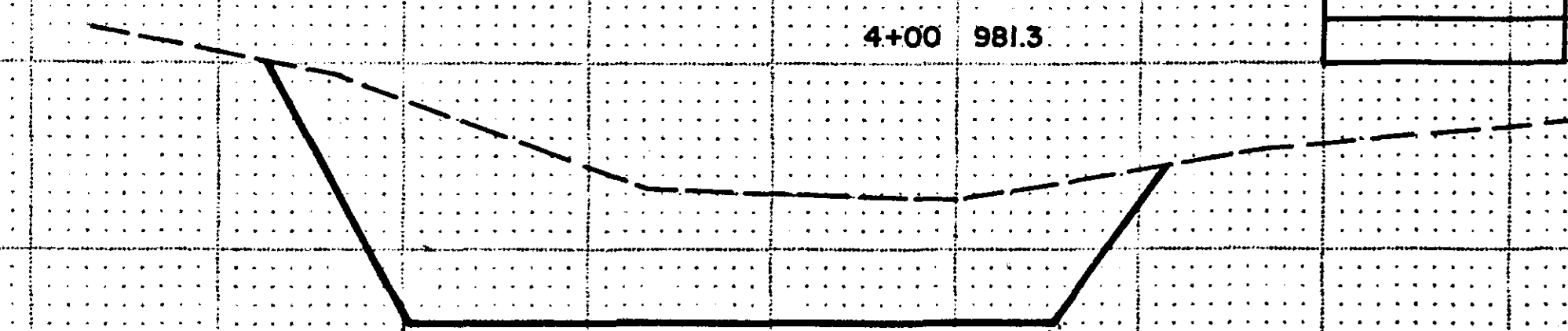
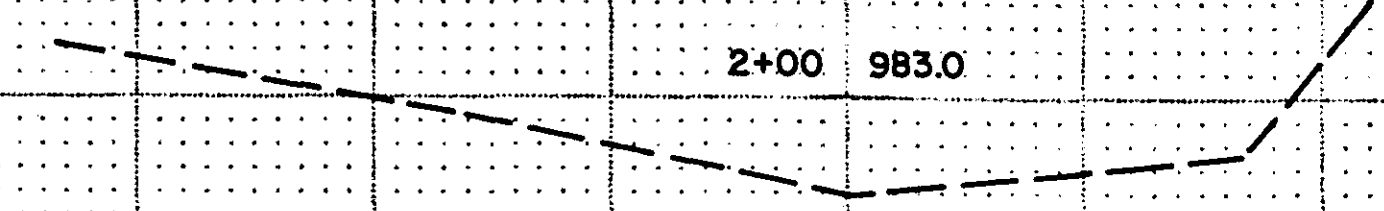
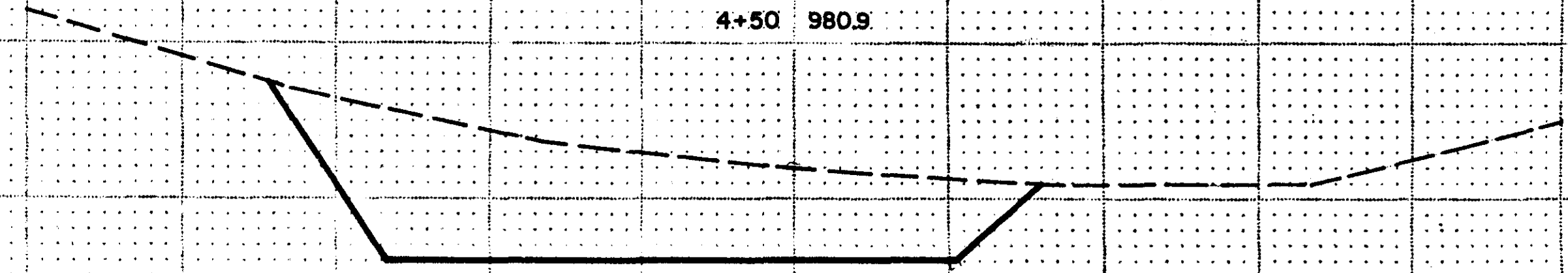
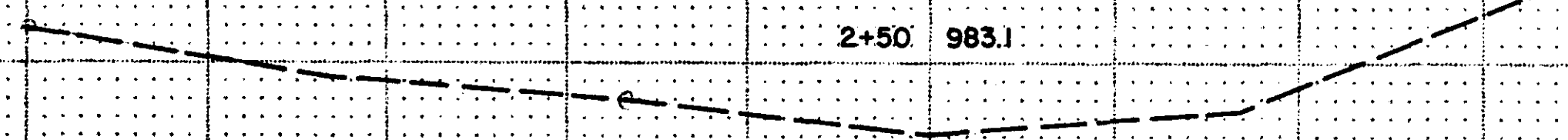
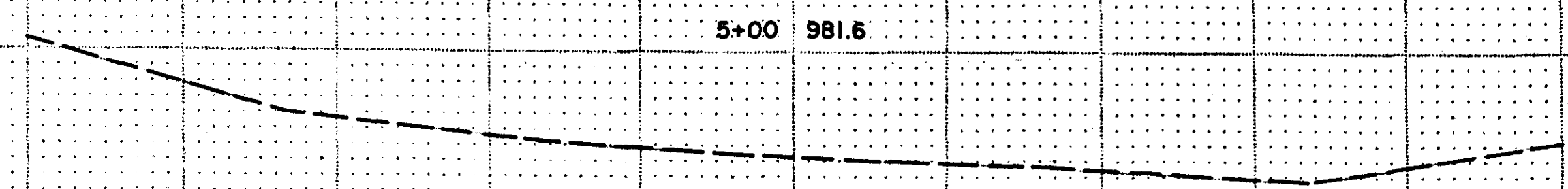
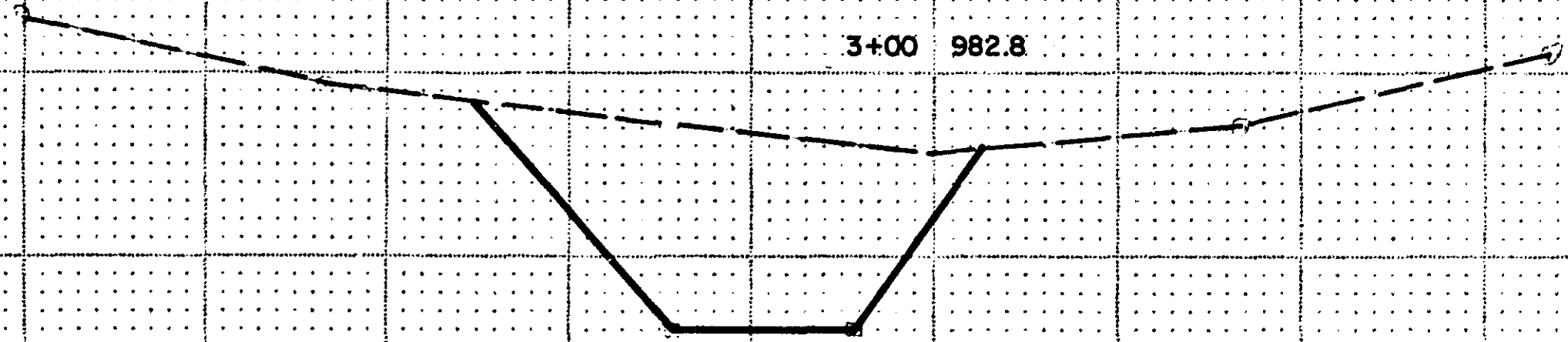
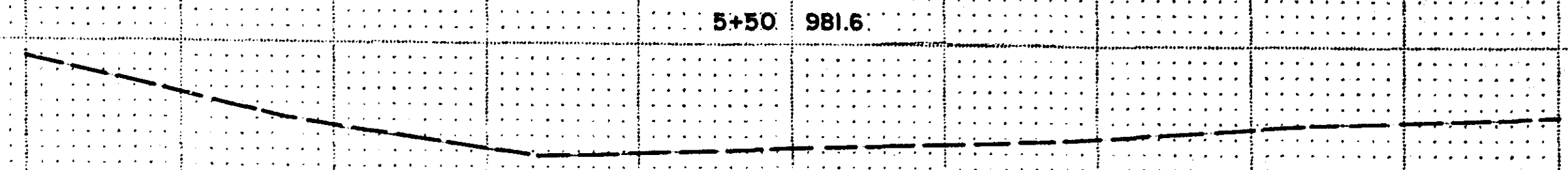
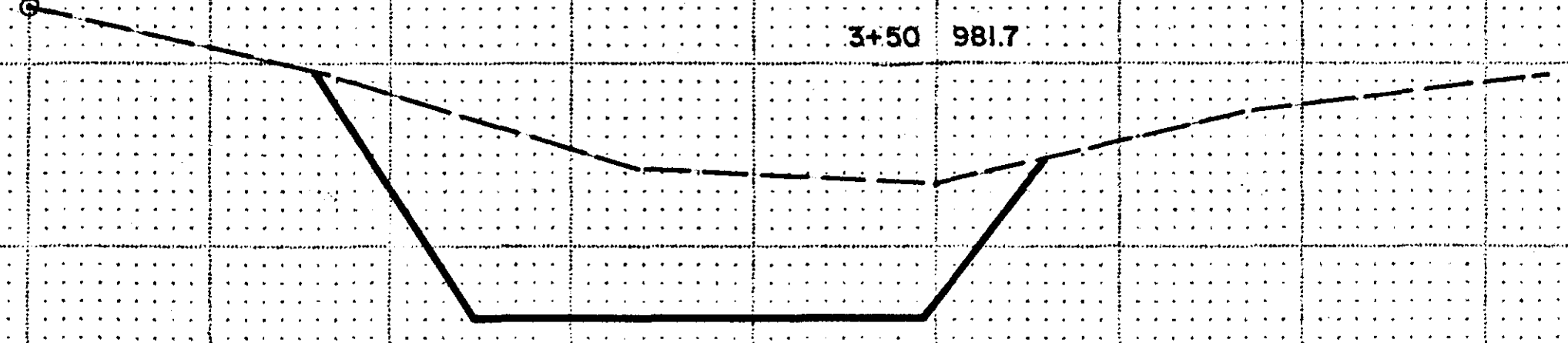


REVISED	DATE	DESIGNED BY
		D/Schacht
		DRAWN BY
		CHECKED BY

I hereby certify that this plan, specification, or report 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.
 Daniel M. Schacht
 Date 8/16/57 Reg. No. 11659

SILVER LAKE EAST

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=5'



0+71.5 981.62

86.0

REVISED	DATE	DESIGNED BY
		D. Schacht
		DRAWN BY
		CHECKED BY

I hereby certify that this plan, specification, or report 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 Massachusetts.

Daniel E. Schacht
Date 8/16/52 Reg. No. 11659

FUNCTIONAL CROSS SECTION - OPEN DOTTED
K. A. ACERS CO. - MINNEAPOLIS - ST. PAUL

SILVER LAKE DREDGING