PROJECT NO.
468-76-245-80880-000-000-001

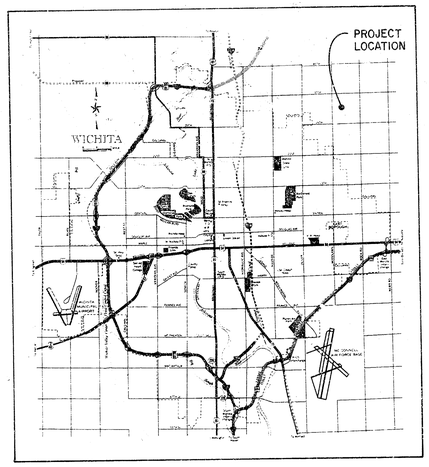
FANTASEA LAKE

FANTASEA ADDITION

IN

COMOTARA

WICHITA, KANSAS



LOCATION MAP

JUNE 1979

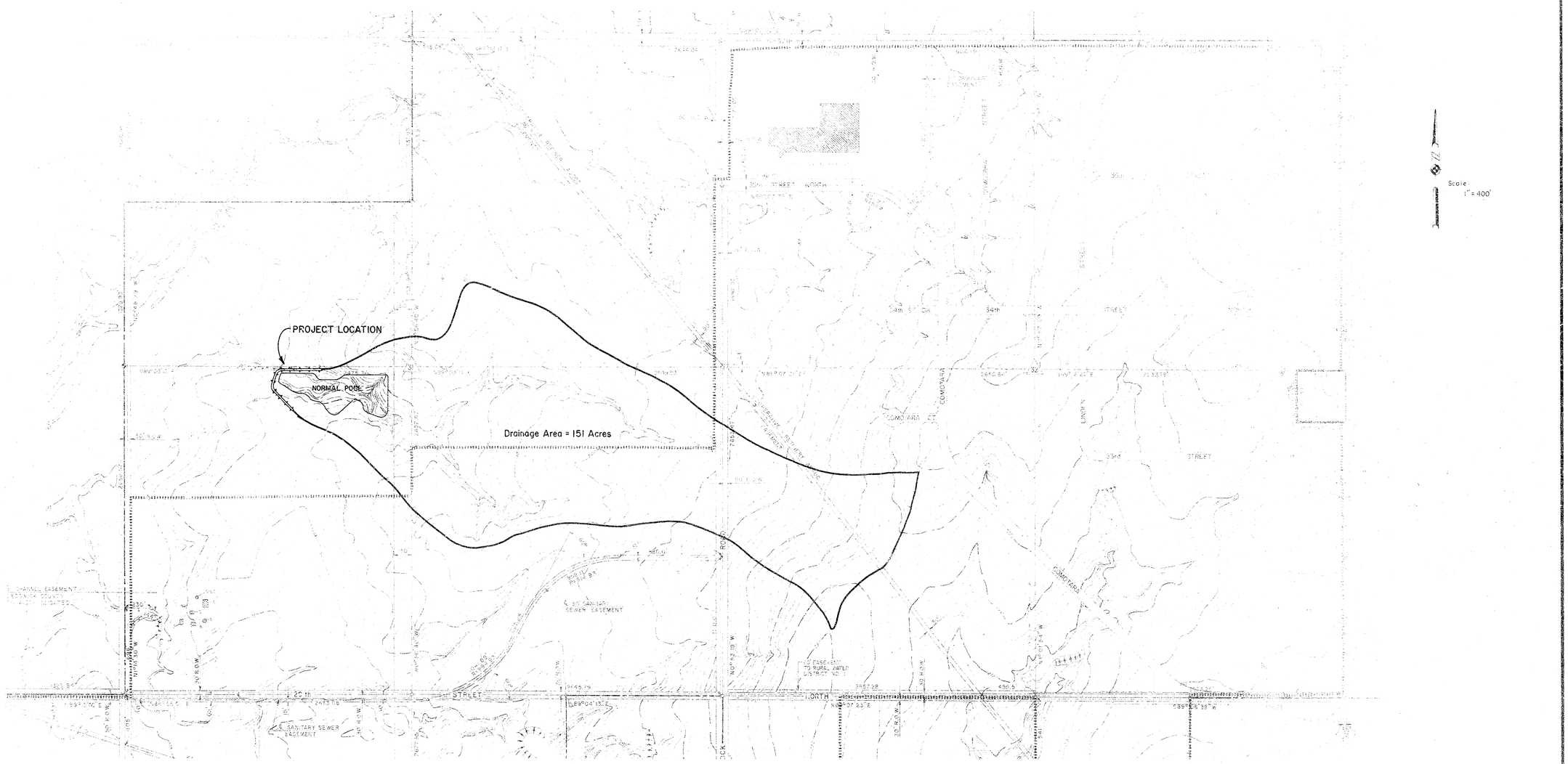
INDEX TO DRAWINGS

1	COVER SHEET
2	DRAINAGE AREA MAP
3	SITE PLAN
4	SECTIONS & DETAILS
5-7	CROSS SECTIONS

VAN DOREN-HAZARD-STALLINGS
ARCHITECTS-ENGINEERS-PLANNERS
WICHITA, KANSAS

Job No. 79-203

1/7



FANTASEA LAKE
WICHITA, KANSAS

DRAINAGE AREA MAP

Van Doren - Hazard - Stallings
Architects • Engineers • Planners
Topeka Wichita Minneapolis

Design	J W W
Drawn by	M W B
Checked by	J W W
Date	June - 75
Job no.	79 - 203
Sheet	2 of 7

CAPACITY DATA

ELEVATION	SURFACE AREA ACRES	STORAGE AC FT.	CUMULATIVE STORAGE AC FT.
175.0	4.07		0
		4	
176.0	4.41		4
		5	
177.0	4.75		9
		5	
178.0	5.15		14
		6	
179.0	5.62		19
		6	
180.0	6.21		25
		7	
181.0	7.21		32
		8	
182.0	8.18		39
		9	
183.0	10.19		48
184.0	14.20	12	60

(1000 W, 1000 S)

P.I. STA. 13+30
(2180 W, 1029 S)
Δ = 60° 00'
R = 50.00'
T = 28.87'
L = 52.36'

STA. 13+45 PRIMARY SPILLWAY
SEE DETAILS ON SHEET 4

REMOVE FENCE AND TREES AS
REQUIRED FOR CONSTRUCTION

STA. 10+00 ℄ EMERGENCY SPILLWAY
(1850 W, 1029 S) SEE PROFILE BELOW
& DETAILS ON SHEET 4

CONSTRUCTION LIMITS

NORMAL POOL ELEVATION = 175.0

NOTE: THE AREA BELOW CONTOUR 175
IS BEING REMOVED FOR FILL
AROUND THE LAKE.

F-1

F-2

P.I. STA. 15+46.76
(2290 W, 1222 S)
Δ = 70° 00'
R = 50.00'
T = 35.01'
L = 61.09'

CONCESSION STAND

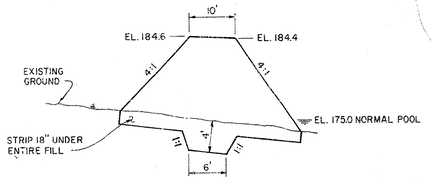
REMOVE SIDEWALK AS REQUIRED
FOR CONSTRUCTION

Sidewalk

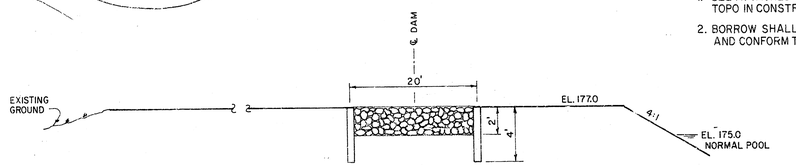
Light Pole

NOTE: THE AREA TO THE SOUTH OF THE LAKE (ABOVE EL. 183)
IS BEING DEVELOPED AS A WATER PLAYGROUND AND WILL
BE REGRADED IN THE FINAL CONSTRUCTION.

Scale:
1" = 50'



TYPICAL DAM CROSS SECTION



EMERGENCY SPILLWAY PROFILE

NOTES:

1. SEE ATTACHED CROSS-SECTIONS FOR UPDATED TOPO IN CONSTRUCTION AREA.
2. BORROW SHALL BE TAKEN FROM THE LAKE AREA AND CONFORM TO THE GENERAL OUTLINE SHOWN.

LEGEND

- SOIL BORING
- NEW CONTOURS

FANTASEA LAKE
WICHITA, KANSAS

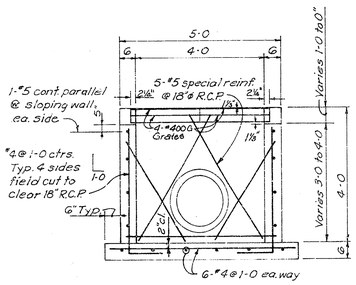
SITE PLAN

Design	JWW
Drawn by	MWB
Checked by	JWW
Date	June - 79
Job no	79 - 203
Sheet	3 of 7

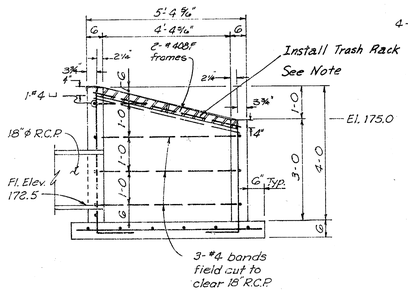
Van Doren - Hazard - Stallings
Architects • Engineers • Planners
Topeka Wichita Minneapolis

FANTASEA LAKE
WICHITA, KANSAS

SECTIONS & DETAILS



ELEVATION

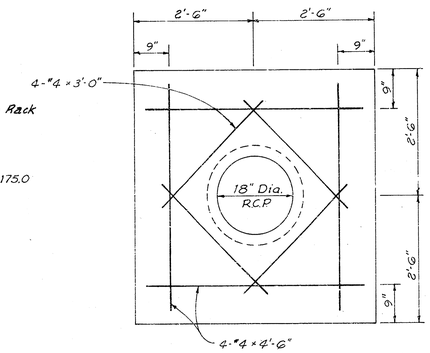


SECTION

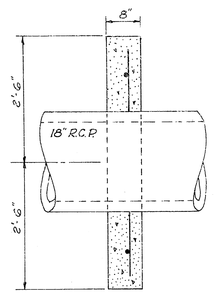
INLET BOX DETAILS

Scale None

Note: Trash Rack
Use Western Iron & Foundry Co., Inc. cast iron frame & grate: frame - #408F grate - 400G or approved equal, 2 frames & 4 grates needed for this Inlet Box.



ELEVATION

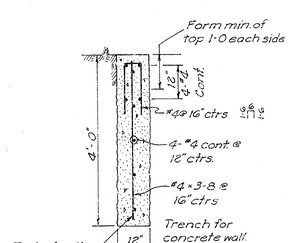


SECTION

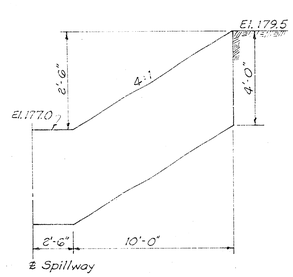
NOTE: Form above top of pipe, trench below.

CONCRETE CUT-OFF COLLAR

Scale None



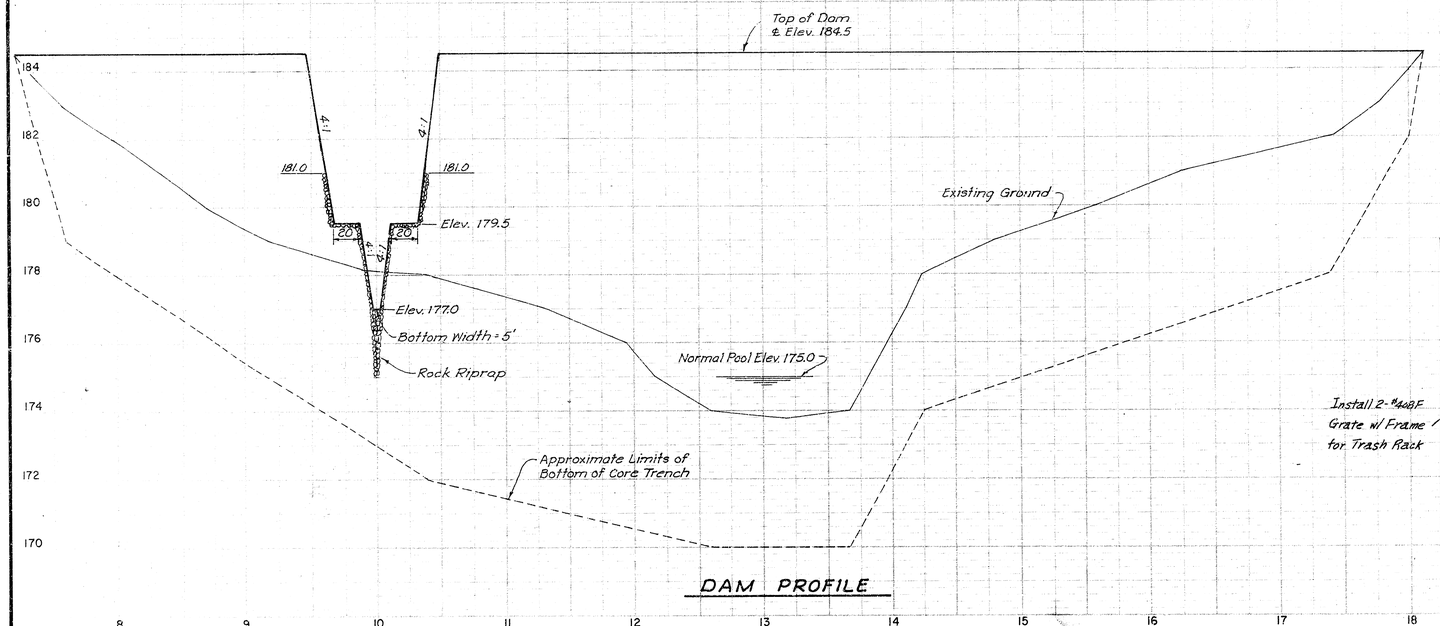
SECTION



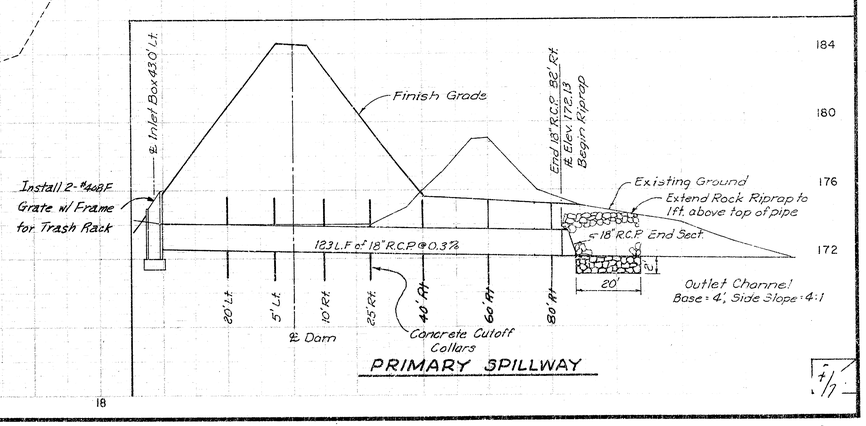
HALF ELEVATION

EMERGENCY SPILLWAY CONTROL

Scale None



DAM PROFILE



PRIMARY SPILLWAY

FANTASEA LAKE
WICHITA, KANSAS

7+50
175
180
185
F·141
C·76

8+00
175
180
185
F·193
C·76

8+50
175
180
185
F·143
C·73

9+00
175
180
185
F·79
C·64

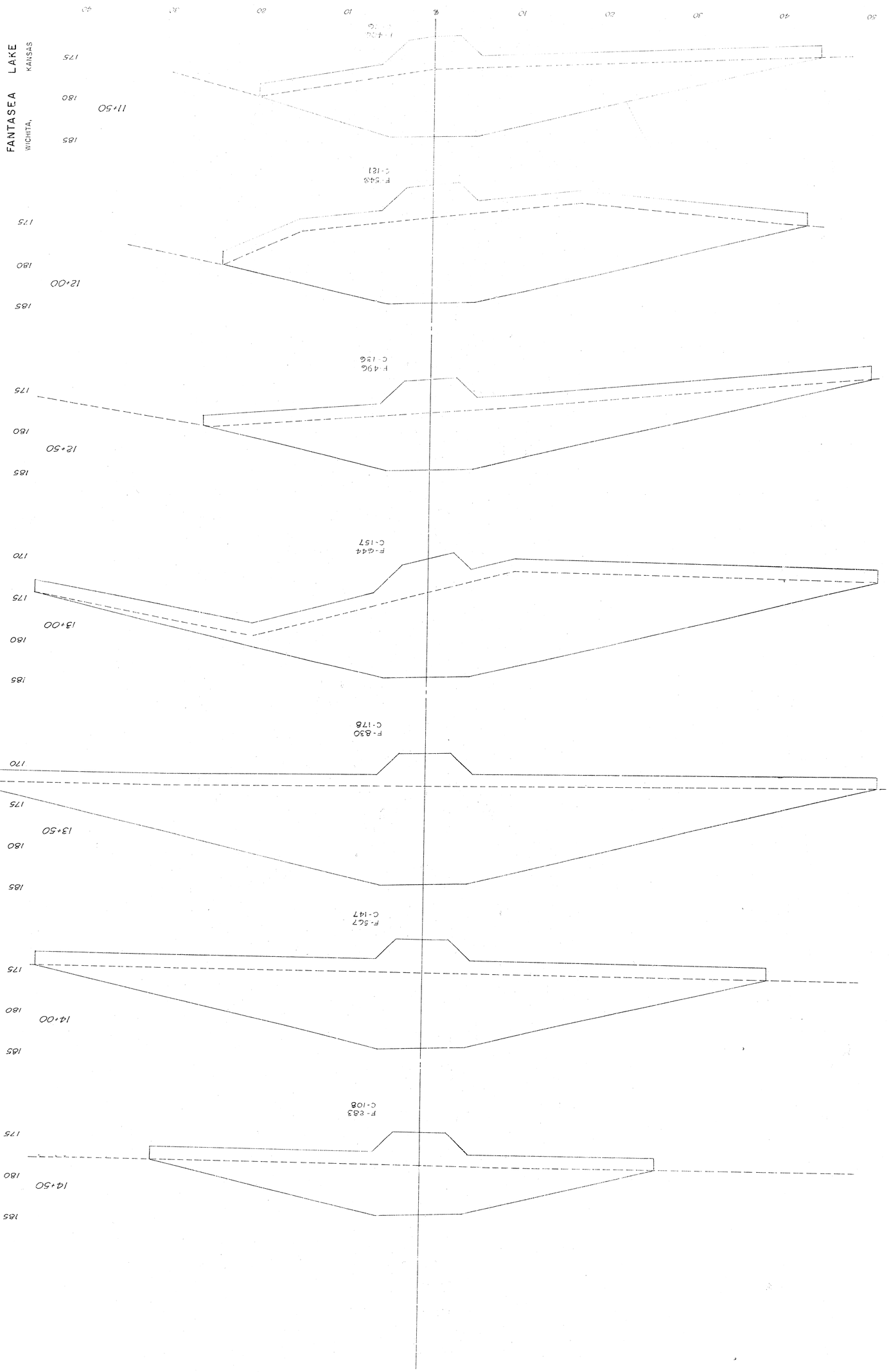
9+50
175
180
185
F·271
C·101

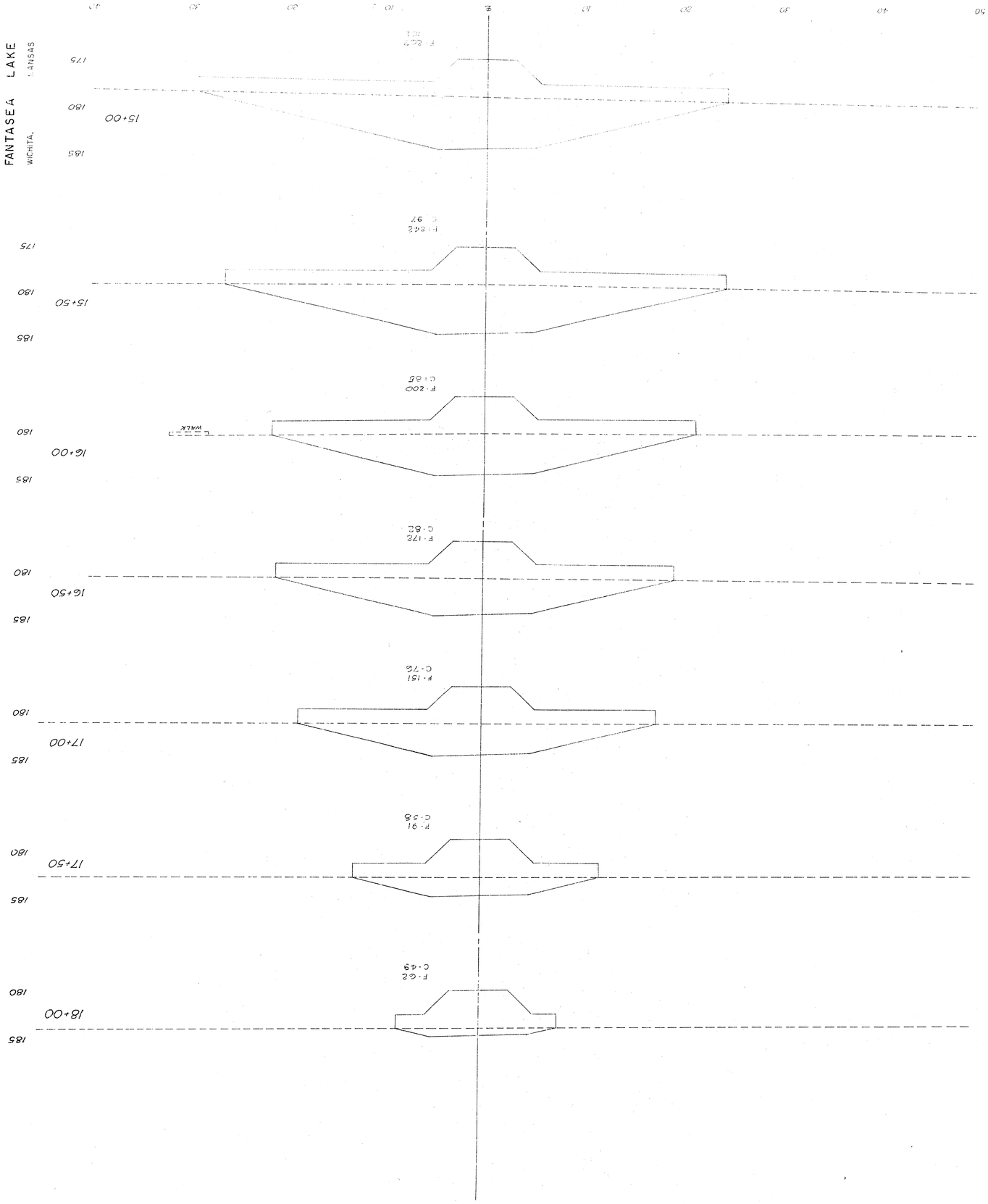
10+00
175
180
185
F·18
C·183

10+50
175
180
185
F·334
C·131

11+00
175
180
185
F·249
C·127

FANTASEA LAKE
WICHITA, KANSAS



FANTASEA LAKE

WICHITA, KANSAS