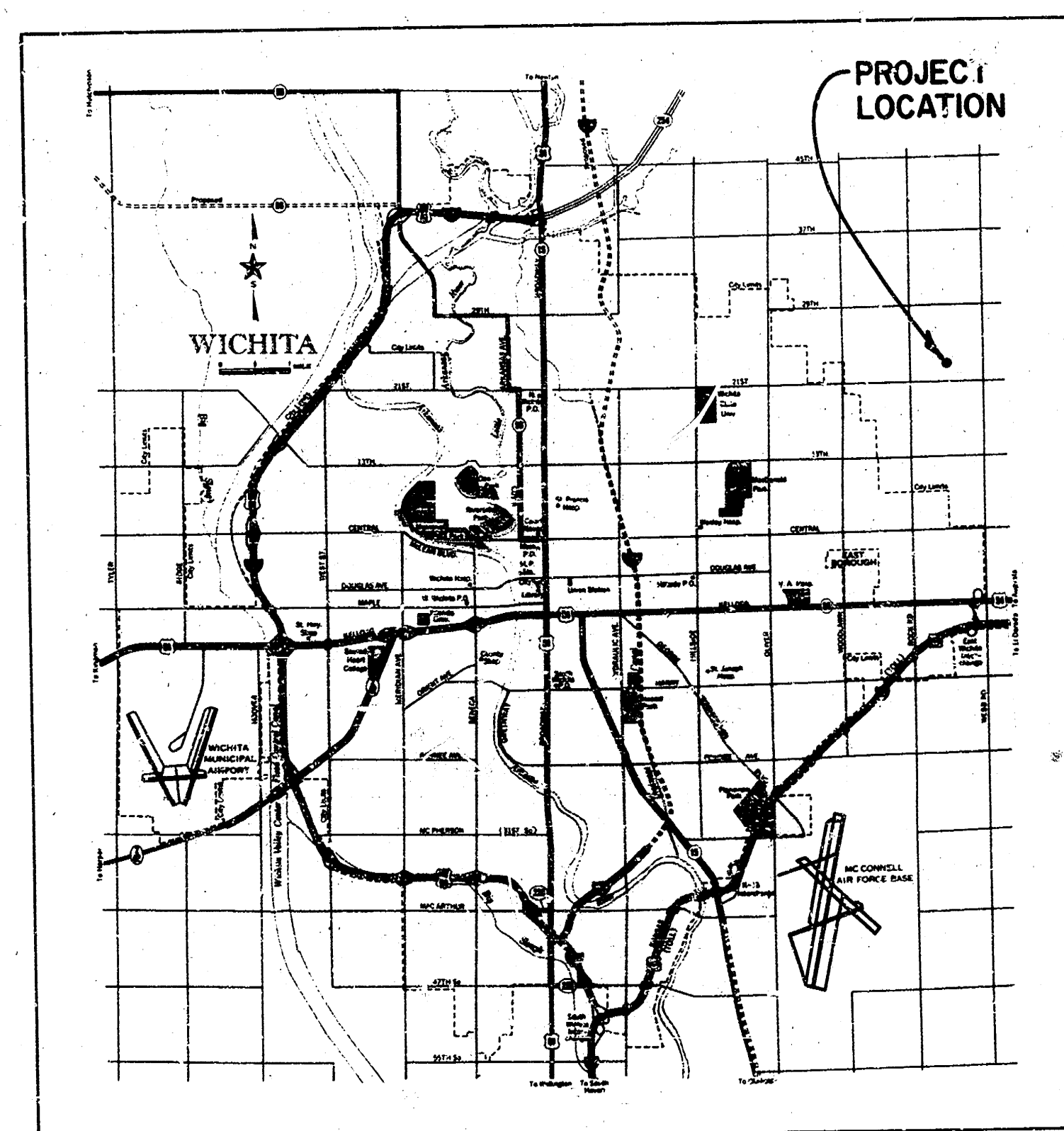


PROJECT NO. 468-76-245-81095-000-000-001
WINDEMERE FLOODWATER
DETENTION RESERVOIR
CONTROL STRUCTURE NO. 12

IN
TALL GRASS

FOR THE CITY OF
WICHITA, KANSAS
R. W. BRUGGEMAN, CITY ENGINEER

MARCH 1981



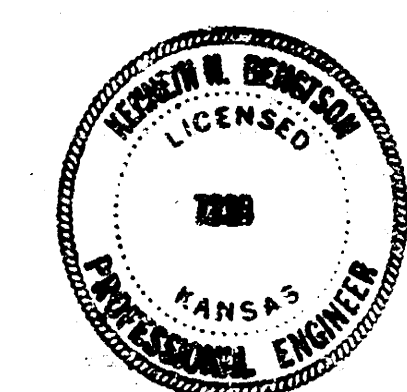
LOCATION MAP

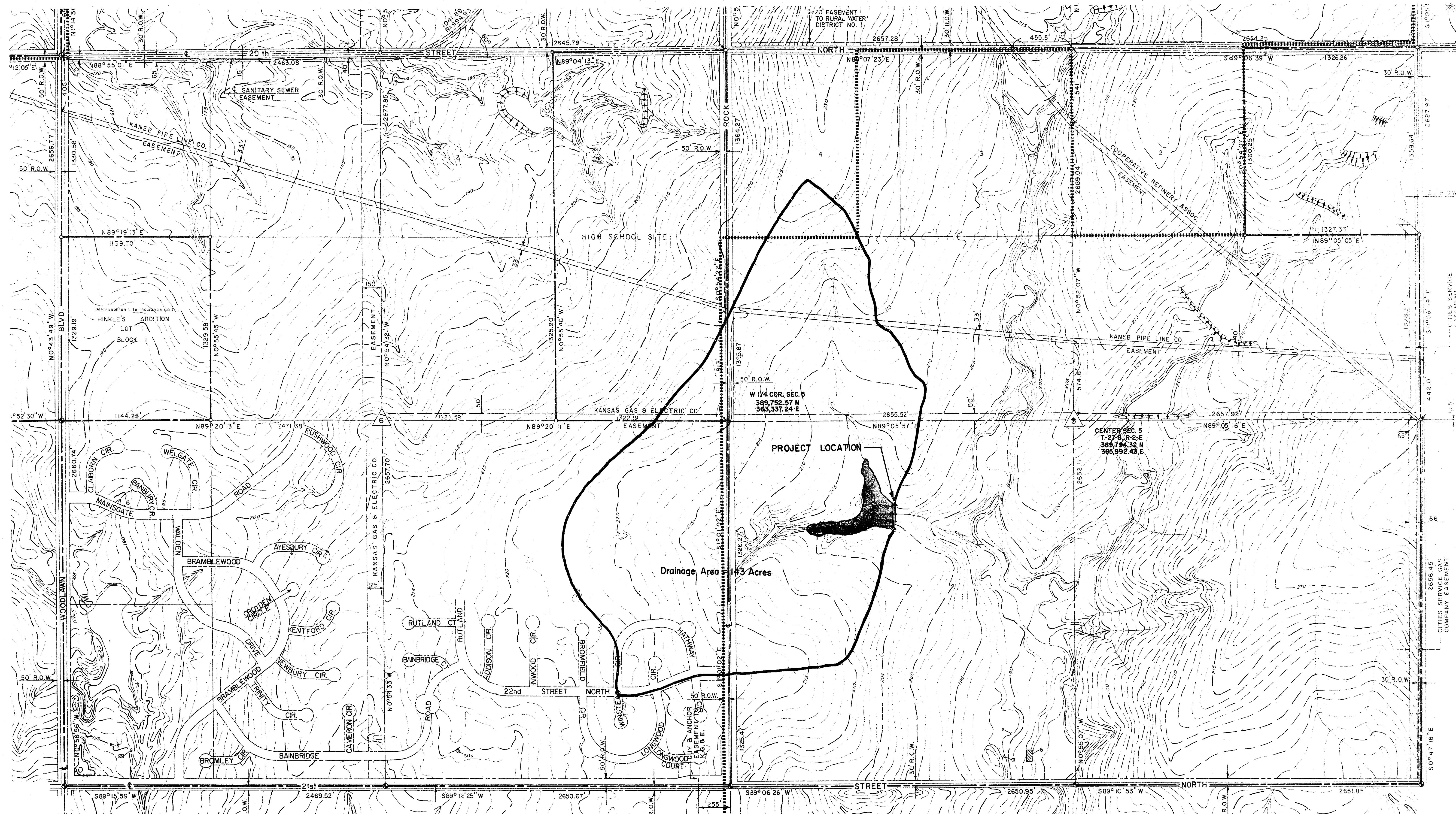
INDEX TO DRAWINGS

1. COVER SHEET
2. DRAINAGE AREA MAP
3. SITE PLAN
4. DETAILS

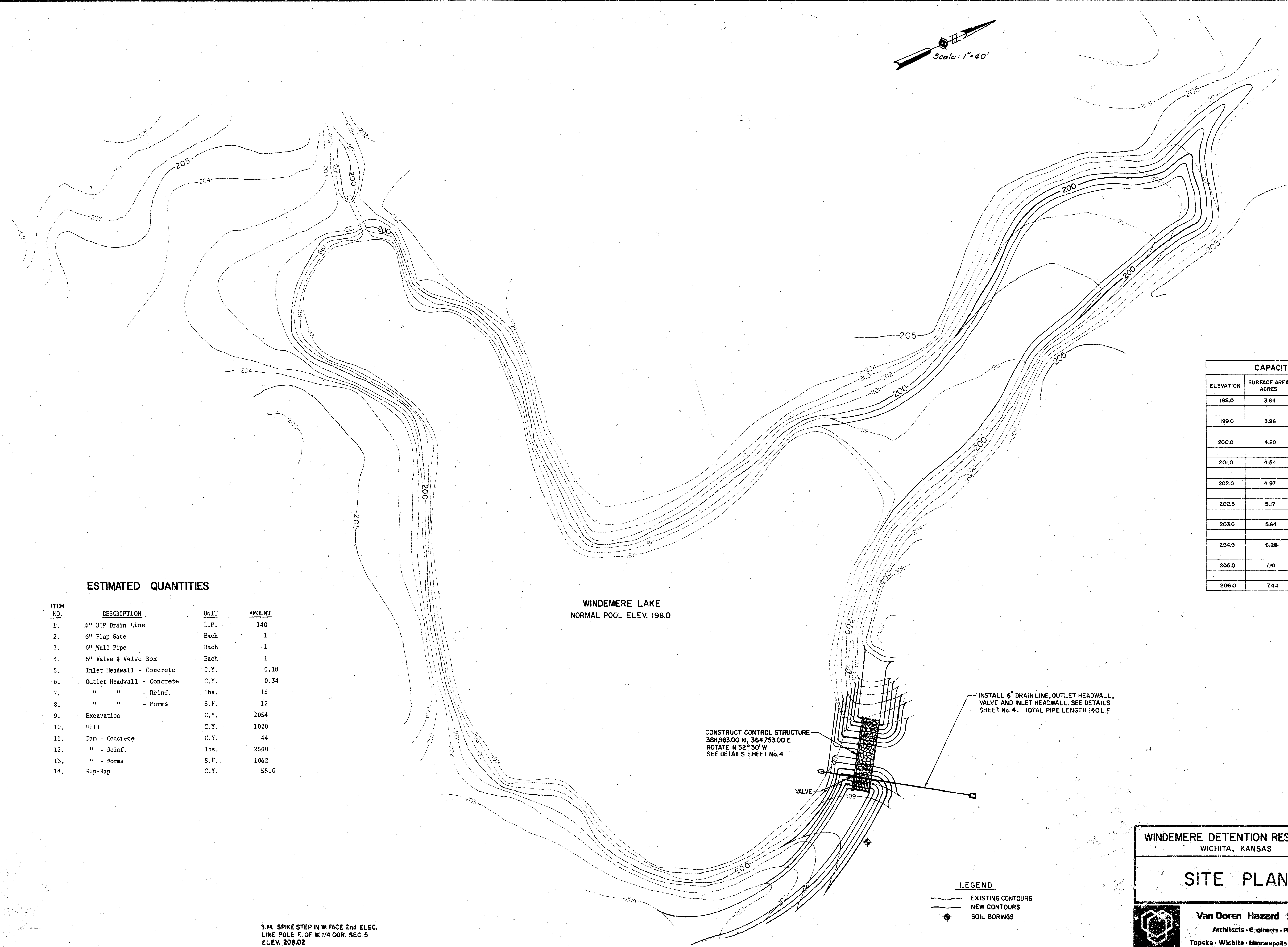
VAN DOREN-HAZARD-STALLINGS
ARCHITECTS-ENGINEERS-PLANNERS
WICHITA, KANSAS

Job No. 79-234





WINEMERE DETENTION RESERVOIR WICHITA, KANSAS		Design J.L.M.
DRAINAGE AREA MAP		Drawn by K.R.A.
		Checked by J.W.W.
 Van Doren - Hazard - Stallings Architects • Engineers • Planners Topeka Wichita Minneapolis		Date March 1981
		Job no. 79-234
Sheet 2 of 4		



Scale: 1"=40'

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AMOUNT
1.	6" DIP Drain Line	L.F.	140
2.	6" Flap Gate	Each	1
3.	6" Wall Pipe	Each	1
4.	6" Valve & Valve Box	Each	1
5.	Inlet Headwall - Concrete	C.Y.	0.18
6.	Outlet Headwall - Concrete	C.Y.	0.34
7.	" " - Reinf.	lbs.	15
8.	" " - Forms	S.F.	12
9.	Excavation	C.Y.	2054
10.	Fill	C.Y.	1020
11.	Dam - Concrete	C.Y.	44
12.	" - Reinf.	lbs.	2500
13.	" - Forms	S.F.	1062
14.	Rip-Rap	C.Y.	55.0

WINDEMERE LAKE
NORMAL POOL ELEV. 198.0

CONSTRUCT CONTROL STRUCTURE
388.983.00 N, 364.753.00 E
ROTATE N 32°30' W
SEE DETAILS SHEET No. 4

INSTALL 6" DRAIN LINE, OUTLET HEADWALL,
VALVE AND INLET HEADWALL. SEE DETAILS
SHEET No. 4. TOTAL PIPE LENGTH 140 L.F.

LEGEND
— EXISTING CONTOURS
— NEW CONTOURS
♦ SOIL BORINGS

CAPACITY DATA			
ELEVATION	SURFACE AREA ACRES	STORAGE AC. FT.	CUMULATIVE STORAGE AC. FT.
198.0	3.64	3.80	0
199.0	3.96	4.08	3.80
200.0	4.20	4.37	7.88
201.0	4.54	4.75	12.25
202.0	4.97	5.17	17.00
202.5	5.17	5.27	19.60
203.0	5.64	5.96	22.30
204.0	6.28	6.69	29.26
205.0	7.10	7.27	34.95
206.0	7.44		42.22

WINDEMERE DETENTION RESERVOIR
WICHITA, KANSAS

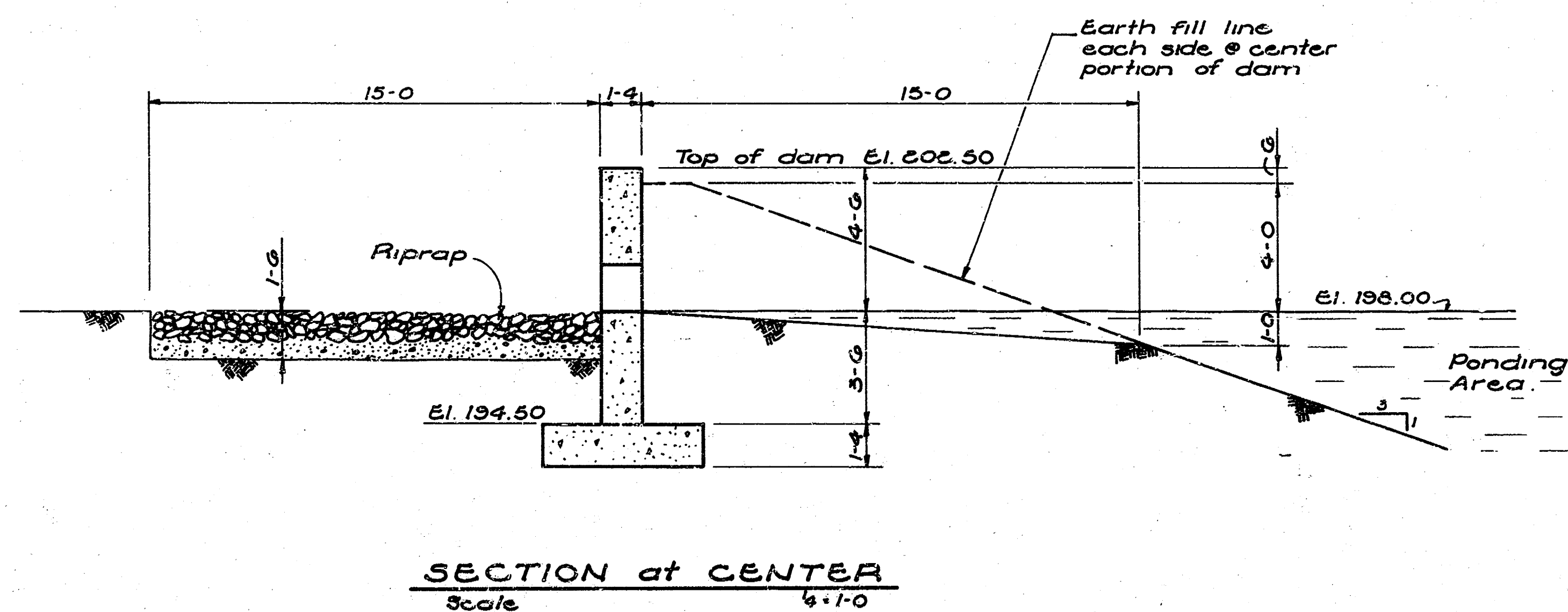
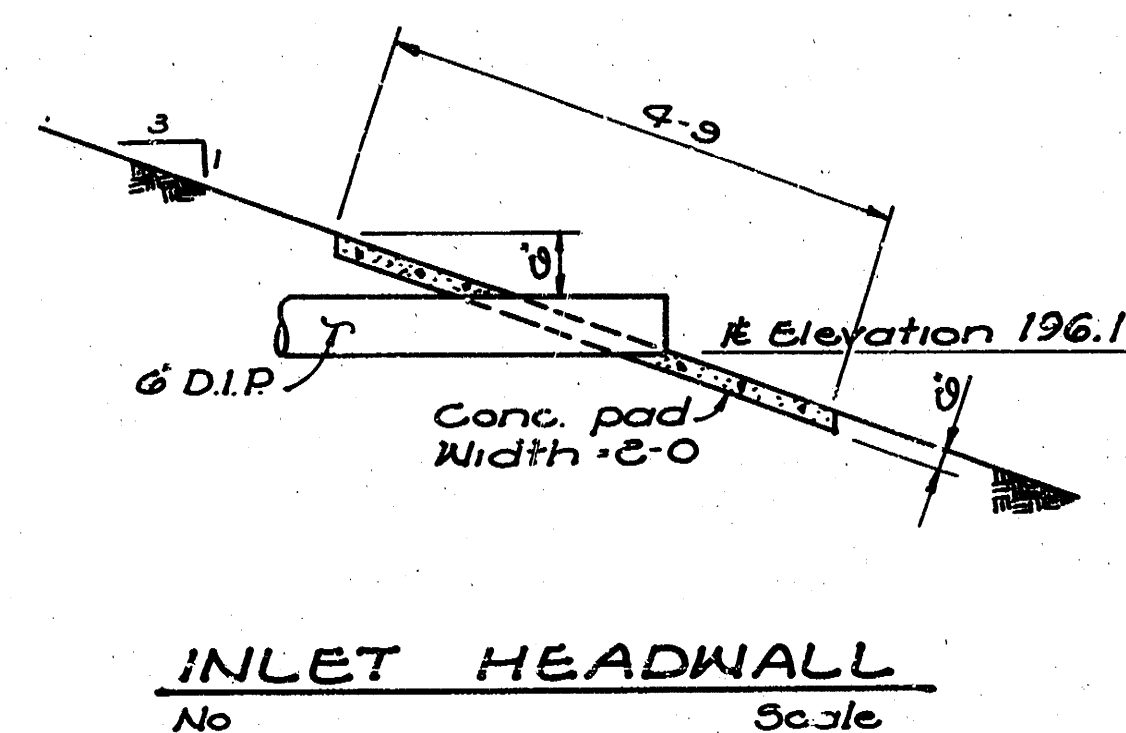
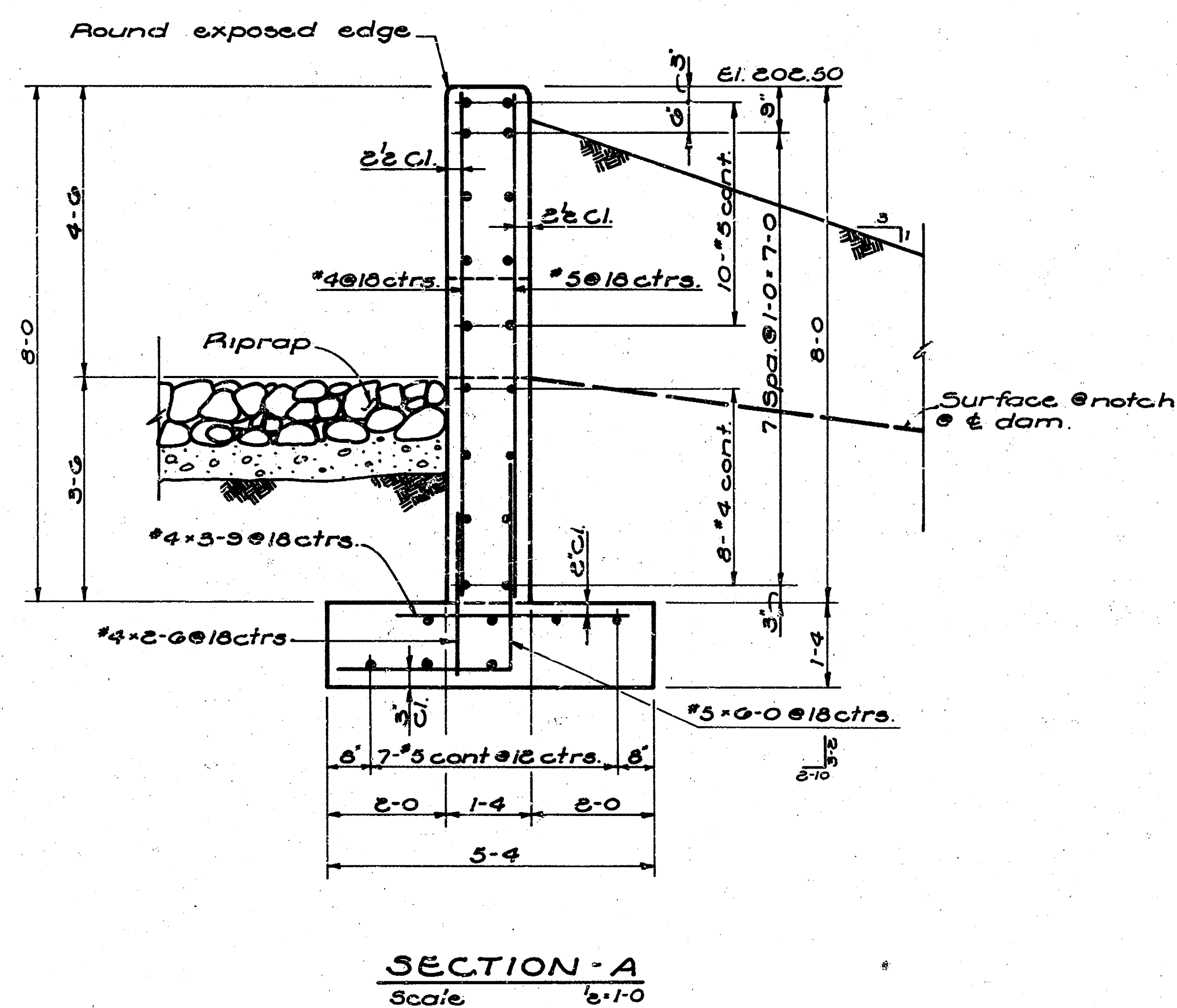
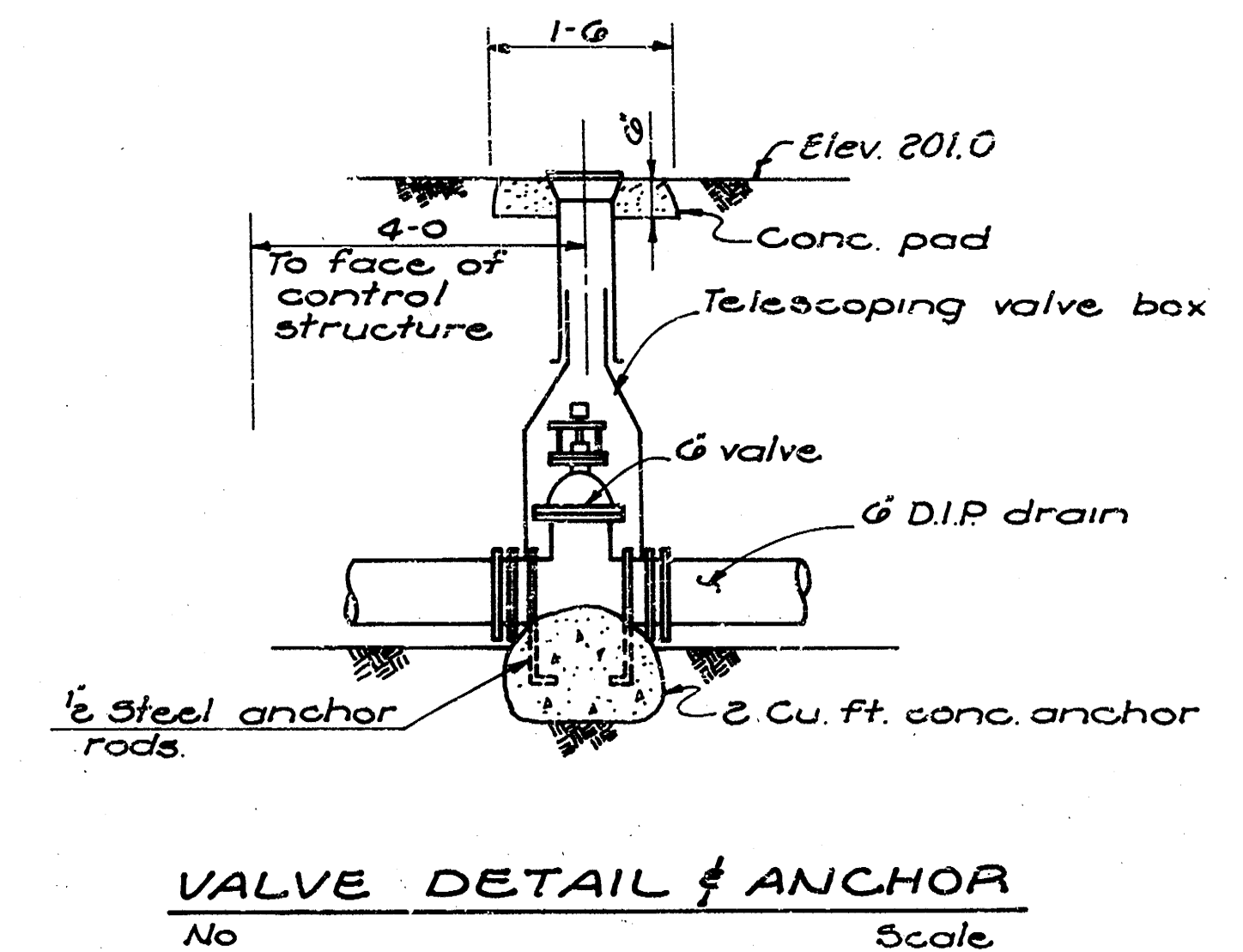
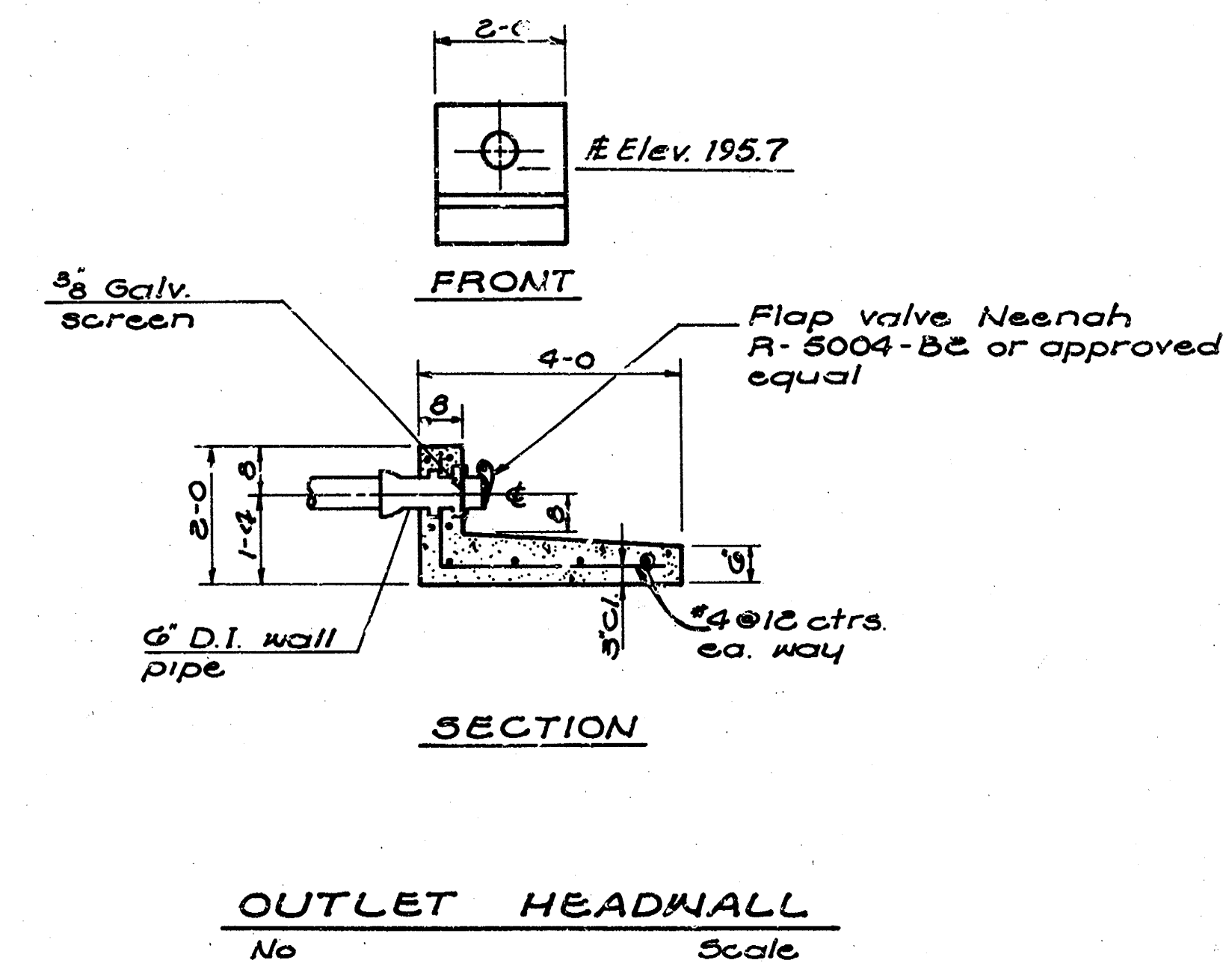
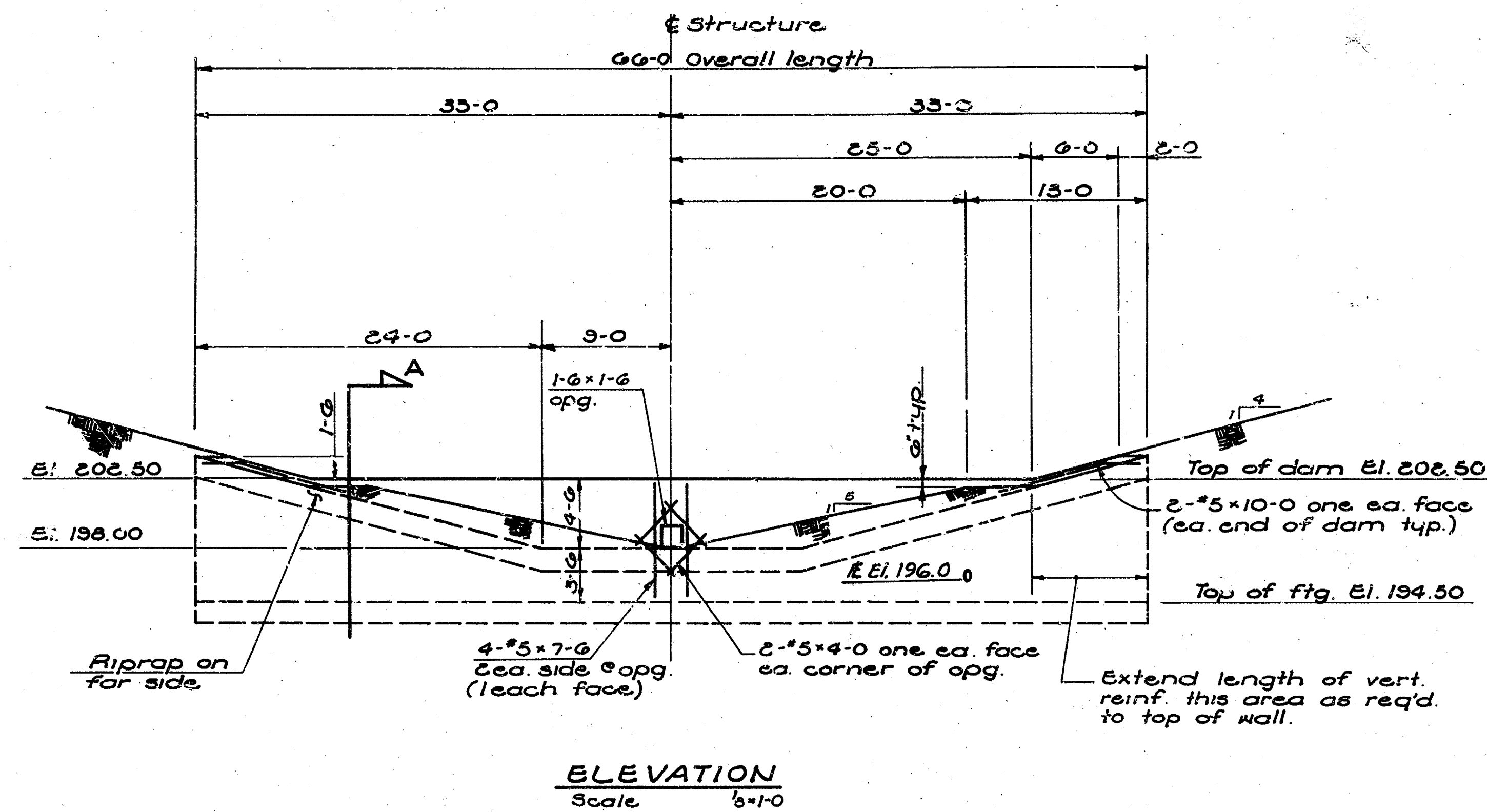
SITE PLAN

**Van Doren Hazard Stallings**
Architects • Engineers • Planners
Topeka • Wichita • Minneapolis • Kansas City

Design
JWW
Drawn by
MWB
Checked by
JWW
Date
March 1981
Job No.
79-234

Sheet
3
of 4

3. M SPIKE STEP IN W FACE 2nd ELEC.
LINE POLE E. OF W 1/4 COR. SEC. 5
ELEV. 208.02



WIDEMERE DETENTION RESERVOIR WICHITA, KANSAS		Design LLW
DETAILS		Drawn by H & P
		Checked by LLW
		Date March 1981
		Job no. 79-234
Van Doren - Hazard - Stallings		Sheet 4
Architects • Engineers • Planners Topeka Wichita Minneapolis		of 4