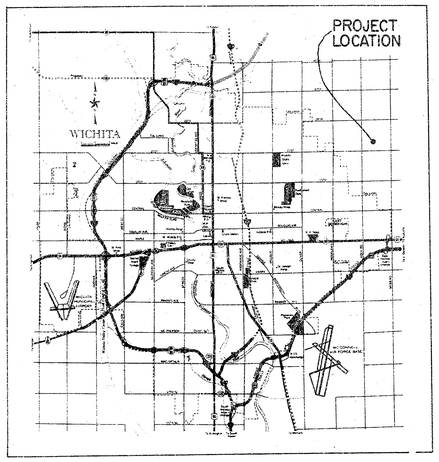
PROJECT NO. 468·76·245·81094·000·000·001

TALLGRASS FLOODWATER DETENTION RESERVOIR CONTROL STRUCTURE NO. 11

IN

TALLGRASS



LOCATION MAP

FOR THE CITY OF

WICHITA, KANSAS

R. W. BRUGGEMAN, CITY ENGINEER

MARCH 1981

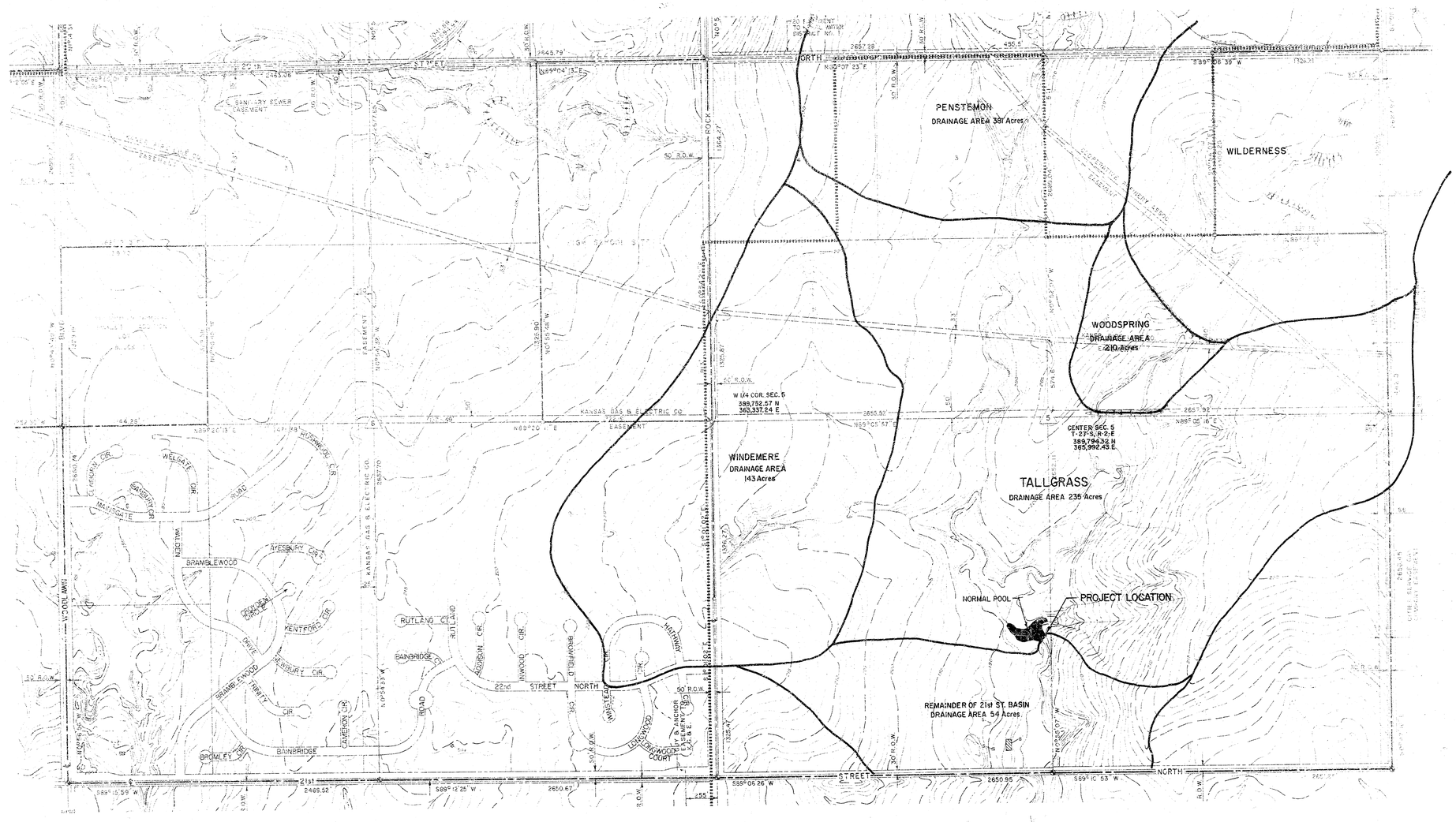
INDEX TO DRAWINGS

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

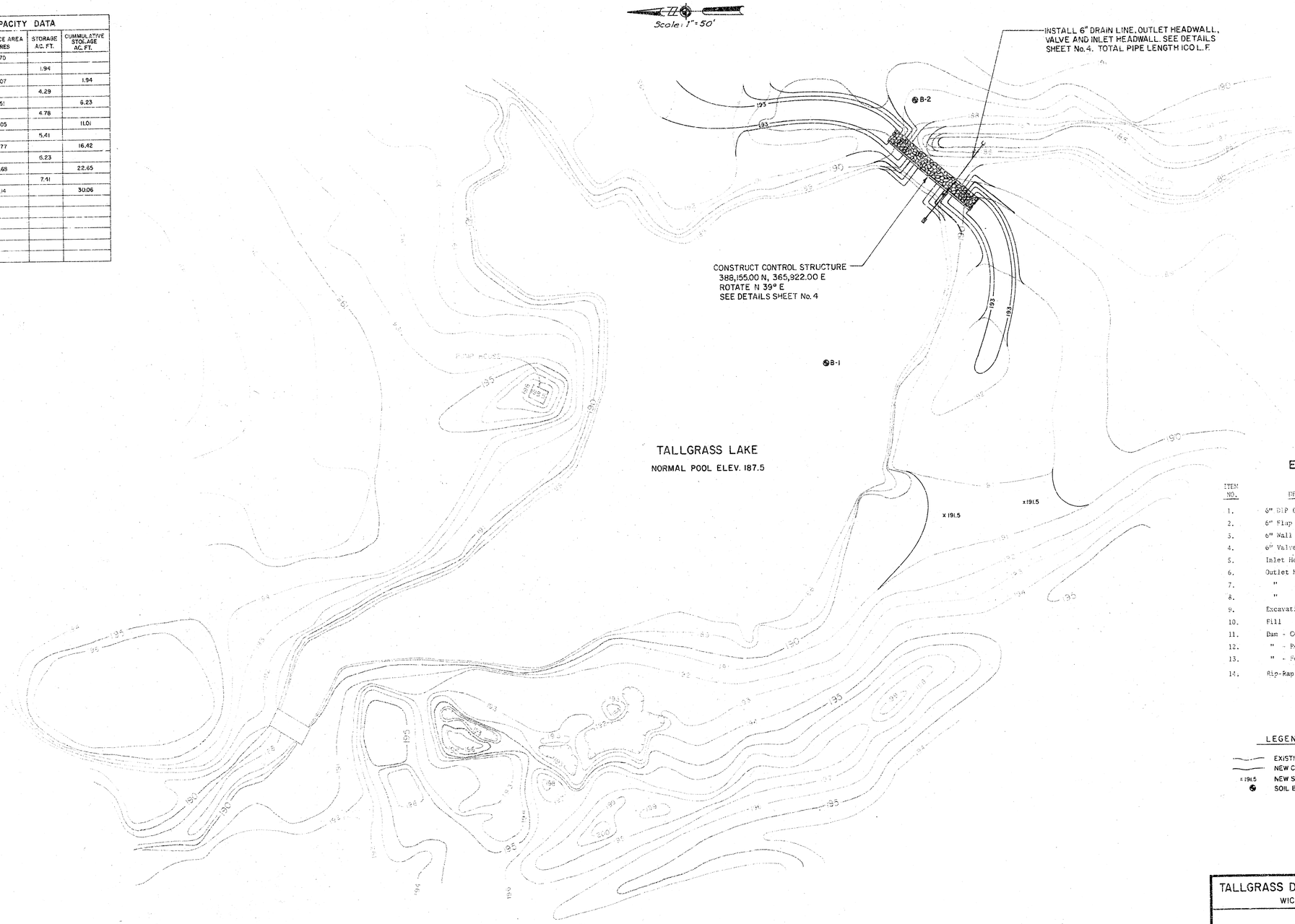




TALLGRASS DETENTION RESERVOIR WICHITA, KANSAS DRAINAGE AREA MAP	Design JWW Drawn by MWB Checked by JWW Date March 1981 Job no. 79-234
Van Doren - Hazard - Stallings Architects • Engineers • Planners Topeka Wichita Minneapolis	Sheet 2 of 4

CAPACITY DATA			
ELEVATION	SURFACE AREA ACRES	STORAGE AC. FT.	CUMMULATIVE STORAGE AC. FT.
187.5	3.70		
		1.94	
188.0	4.07		1.94
		4.29	
189.0	4.51		6.23
		4.78	
190.0	5.05		11.01
		5.41	
191.0	5.77		16.42
		6.23	
192.0	6.68		22.65
		7.41	
193.0	8.14		30.06

Scale: 1"=50'



ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AMOUNT
1.	6" DIP Drain Line	L.F.	100
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.	0
10.	Fill	C.Y.	1200
11.	Dam - Concrete	C.Y.	75.0
12.	" - Reinf.	lbs.	3945
13.	" - Forms	S.F.	1836
14.	Rip-Rap	C.Y.	96.7

LEGEND

- EXISTING CONTOURS
- NEW CONTOURS
- x191.5 NEW SPOT ELEVATION
- SOIL BORING

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

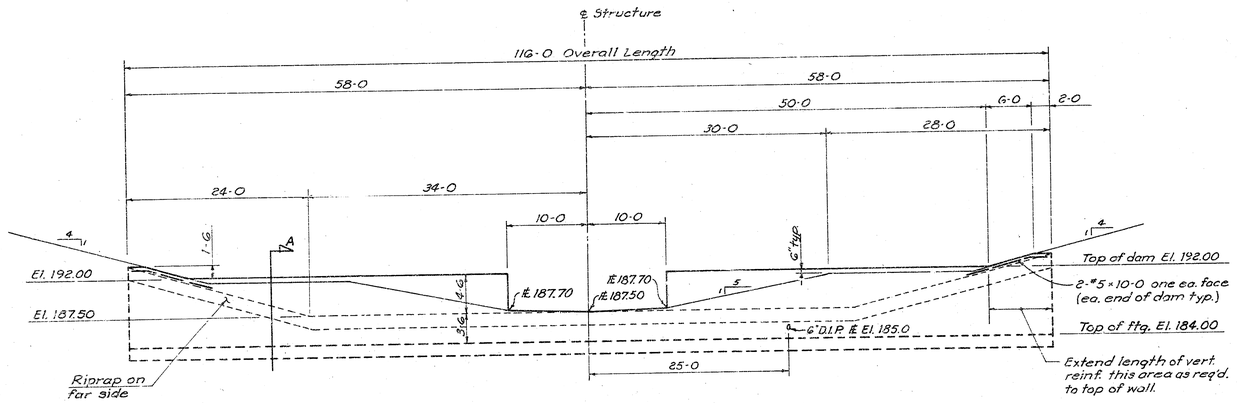
TALLGRASS DETENTION RESERVOIR
WICHITA, KANSAS

SITE PLAN

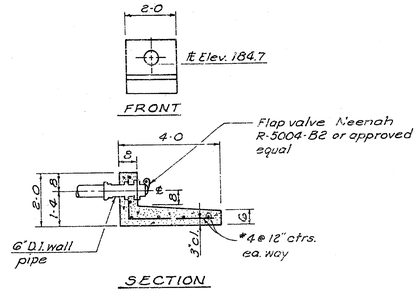
Design	JWW
Drawn by	MWB
Checked by	JWW
Date	March 1981
Job no.	79-234

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

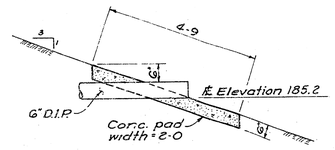
Sheet 3/4 of 4 Sheets



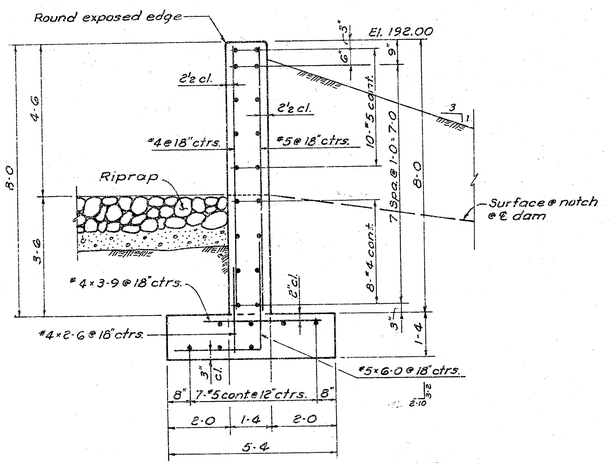
ELEVATION
Scale 1/8"=1-0



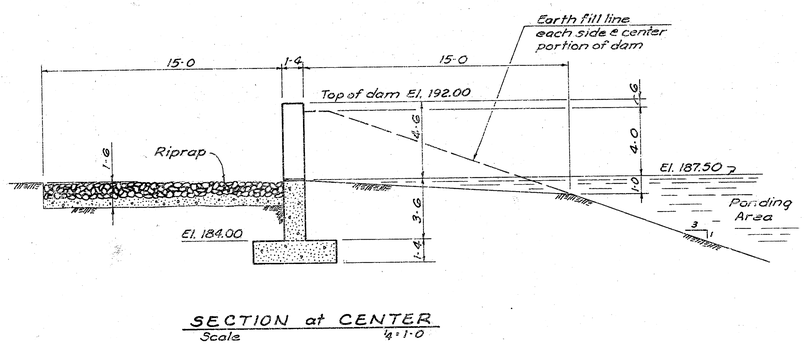
OUTLET HEADWALL
No Scale



INLET HEADWALL
No Scale



SECTION - A
Scale 1/2"=1-0



SECTION at CENTER
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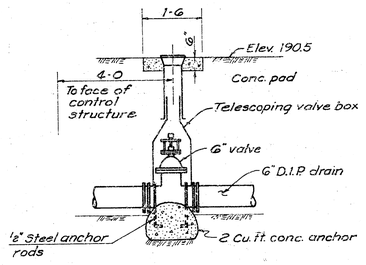

VALVE DETAIL & ANCHOR
No Scale

TALLGRASS DETENTION RESERVOIR
WICHITA, KANSAS

DETAILS

Design: L.L.W
Drawn by: M.W.B.
Checked by: J.W.W.
Date: March 1981
Job no. 79-234

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

Sheet 4/4 of 4

12 e 3 18