

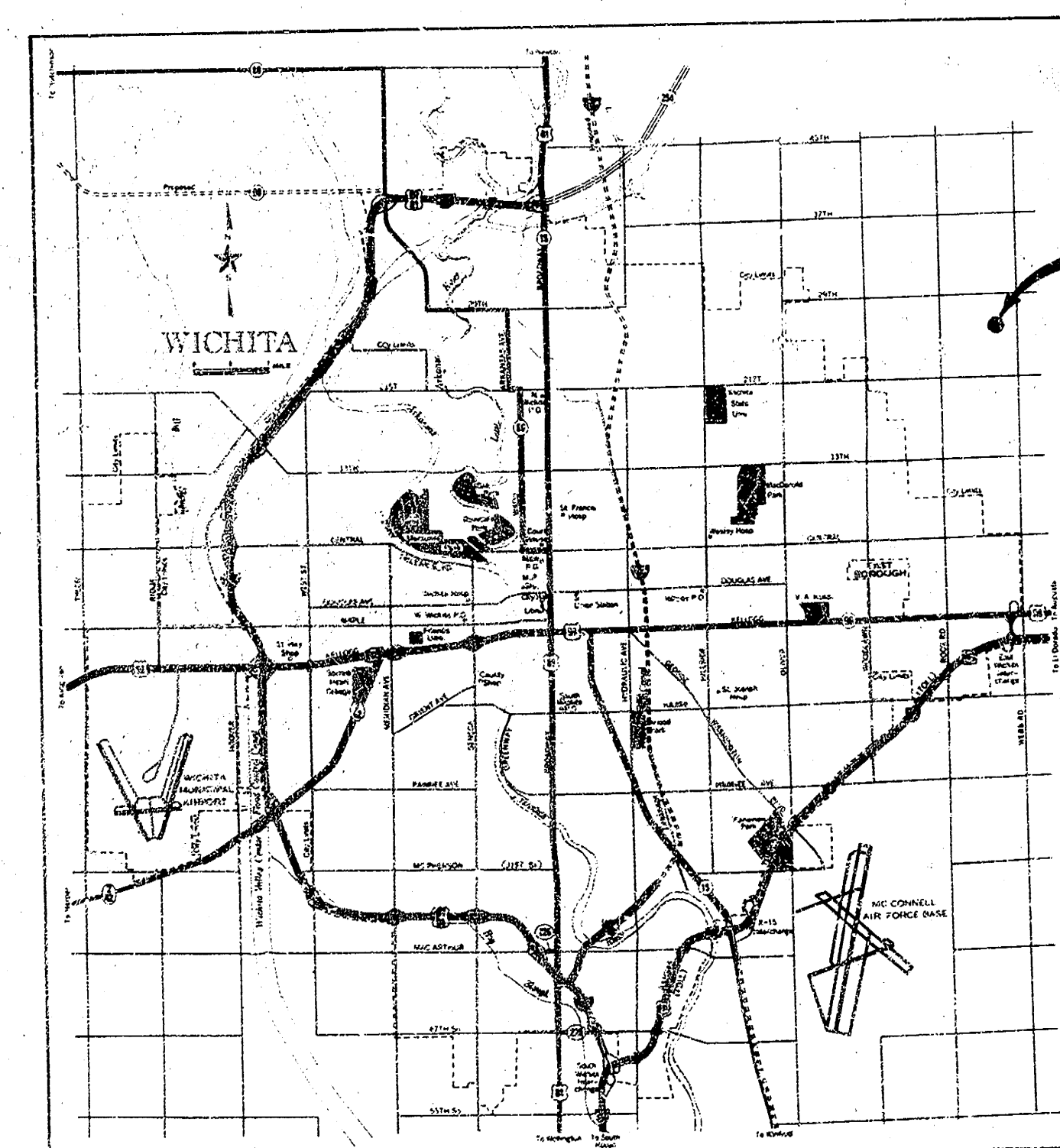
PROJECT NO. 468-76-245-81043-000-000-001

WILDERNESS AND WOODSPRING DETENTION RESERVOIRS

IN
TALL GRASS

FOR THE CITY OF
WICHITA, KANSAS

R.W. BRUGGEMAN, CITY ENGINEER



LOCATION MAP

JULY 1980

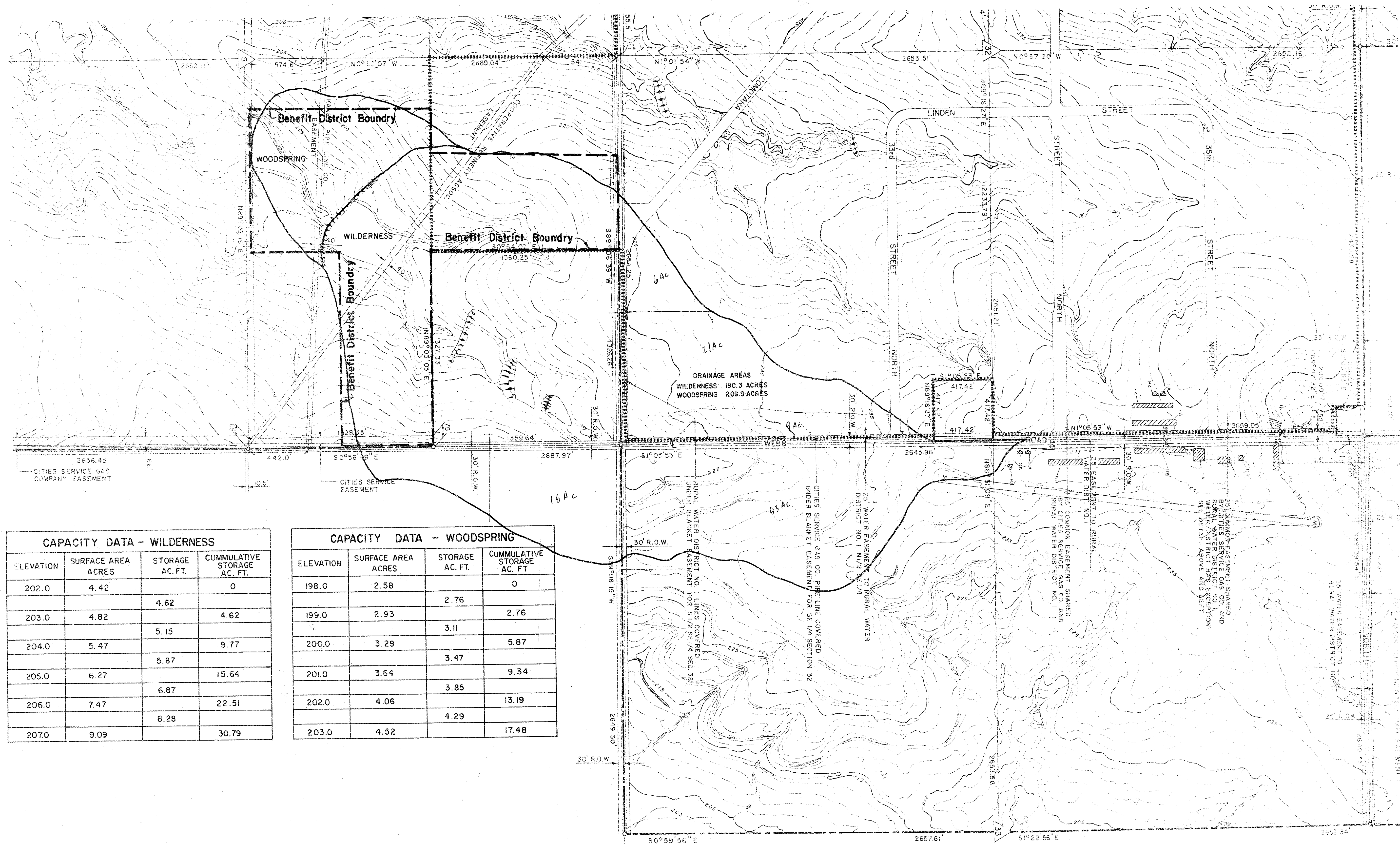
VAN DOREN-HAZARD-STALLINGS
ARCHITECTS-ENGINEERS-PLANNERS
WICHITA, KANSAS

Job No. 79-234-A0

INDEX OF DRAWINGS

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

Ronald A. Bruggeman



SCALE: 1"=400'

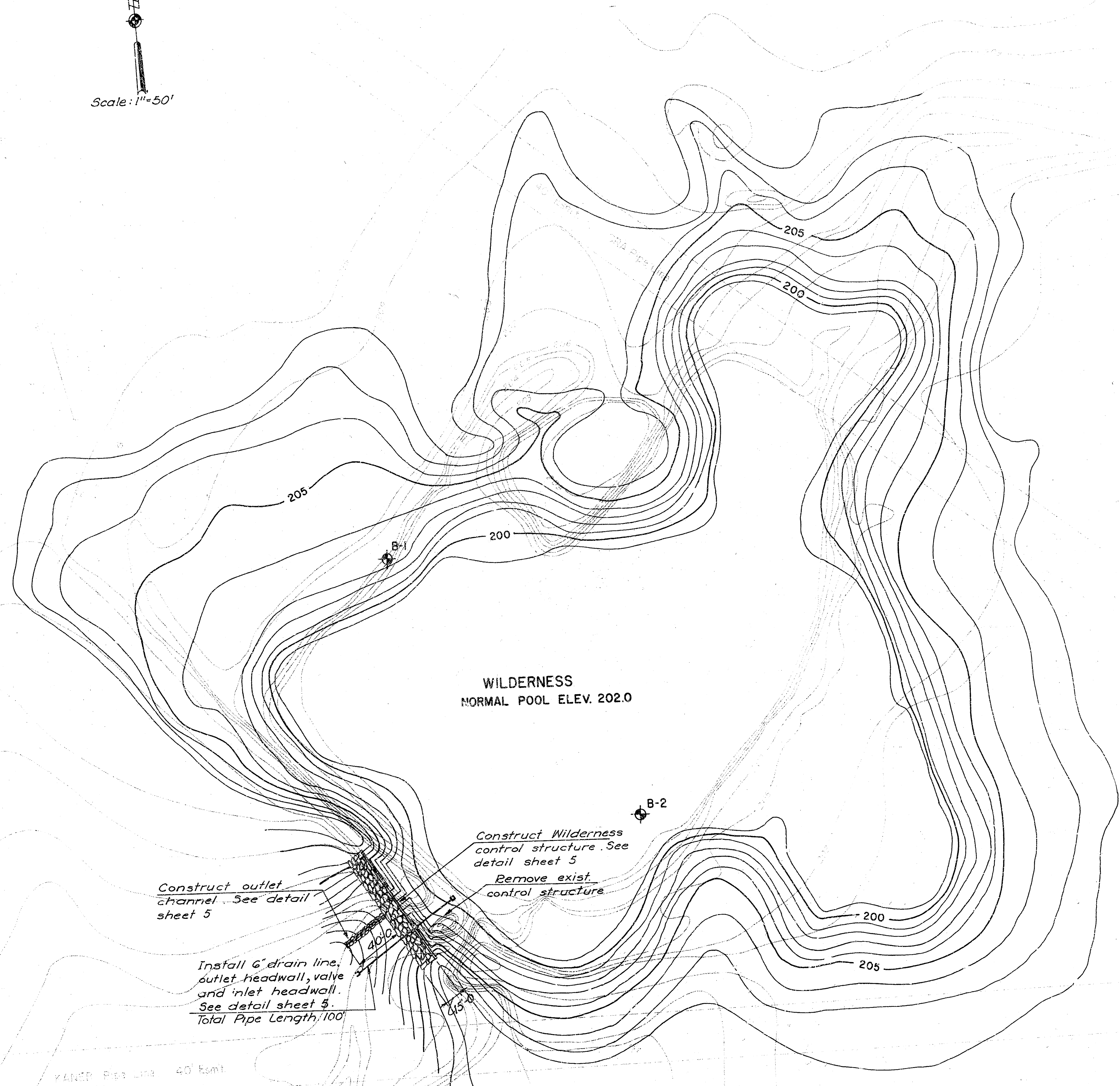
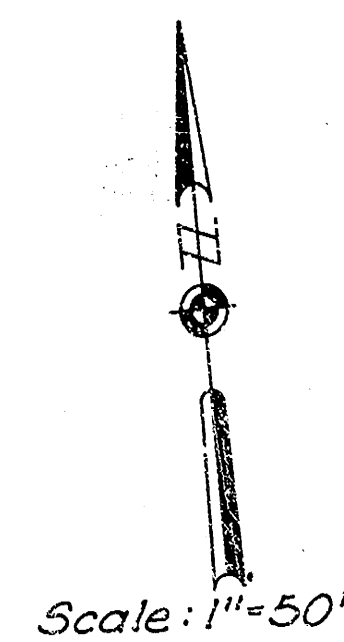
CAPACITY DATA - WILDERNESS			
ELEVATION	SURFACE AREA ACRES	STORAGE AC. FT.	CUMULATIVE STORAGE AC. FT.
202.0	4.42		0
203.0	4.82	4.62	4.62
204.0	5.47	5.15	9.77
205.0	6.27	5.87	15.64
206.0	7.47	6.87	22.51
207.0	9.09	8.28	30.79

CAPACITY DATA - WOODSPRING			
ELEVATION	SURFACE AREA ACRES	STORAGE AC. FT.	CUMULATIVE STORAGE AC. FT.
198.0	2.58		0
199.0	2.93	2.76	2.76
200.0	3.29	3.11	5.87
201.0	3.64	3.47	9.34
202.0	4.06	3.85	13.19
203.0	4.52	4.29	17.48

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AMOUNT
1.	6" DIP Drain Line	L.F.	210
2.	6" Valve, Valve Box & Anchor	Each	2
3.	Inlet Headwall	Each	2
4.	Outlet Headwall & Flapgate	Each	2
5.	Rip Rap	S.Y.	362
6.	Cast in Place Concrete	C.Y.	127.5
7.	Earthwork	By Others	
8.	Seeding & Fertilizing	By Others	

WILDERNESS AND WOODSPRING DETENTION RESERVOIRS WICHITA, KANSAS		Design JWW
DRAINAGE AREA MAP		Drawn by L.P.
Van Doren - Hazard - Stallings		Checked by JWW
Architects • Engineers • Planners Topeka Wichita Minneapolis		Date July 80
		Job no. 79-234
		Sheet 27 of 5

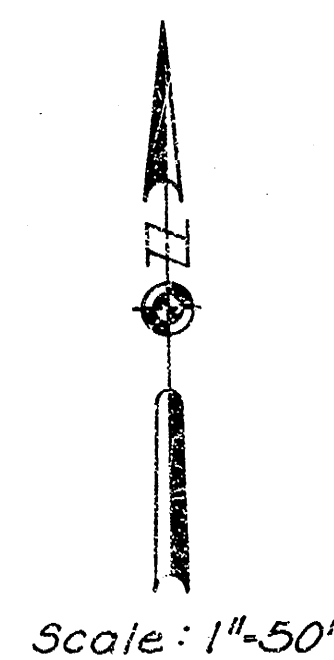


BENCH MARK:
60d Spike step in North face of power pole.
2nd pole East of center corner Section 5.
Elev. 204.07

- LEGEND
- EXISTING CONTOURS
 - NEW CONTOURS
 - SOIL BORINGS

SW CORNER NE 1/4 NE 1/4 N.391,43.59
SECTION 5, T-27-S, R-2-E. E.367,300.90
(STATE PLANE CO-ORDINATE SYSTEM)
E CONTROL STRUCTURE N.390,450
E.367,055
CONTROL STRUCTURE ORIENTED S.36°E.

WILDERNESS AND WOODSPRING DETENTION RESERVOIRS WICHITA, KANSAS	
SITE PLAN	
Van Doren - Hazard - Stallings Architects • Engineers • Planners Topeka Wichita Minneapolis	
Design JWW Drawn by DMS Checked by JWW Date July 80 Job no. 79-234	Sheet 3 of 5



WILDERNESS

Outline of Wilderness
Control Structure &
Outlet Channel

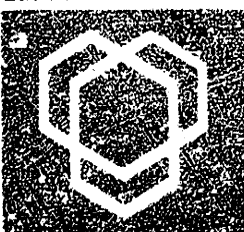
WOODSPRING
NORMAL POOL ELEV. 198.0

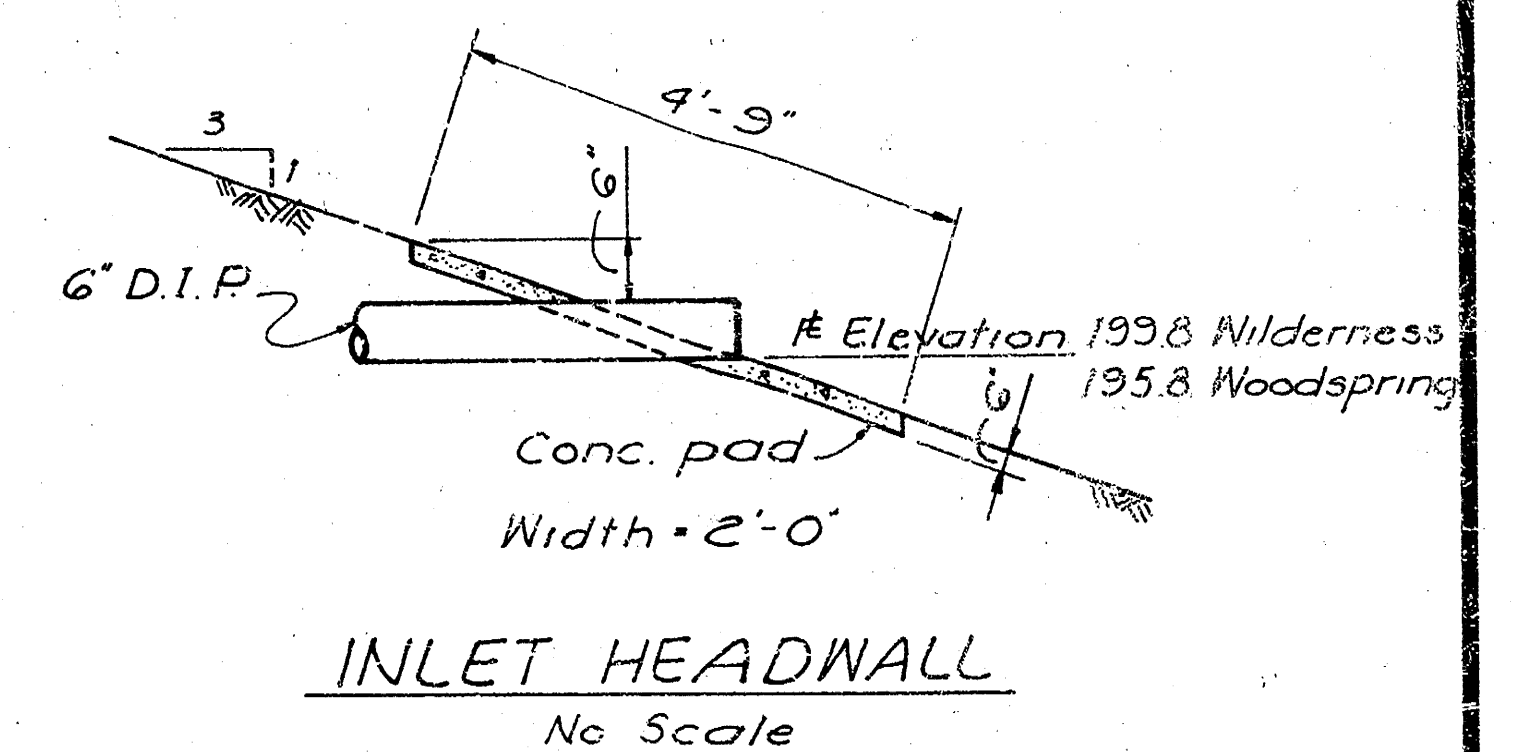
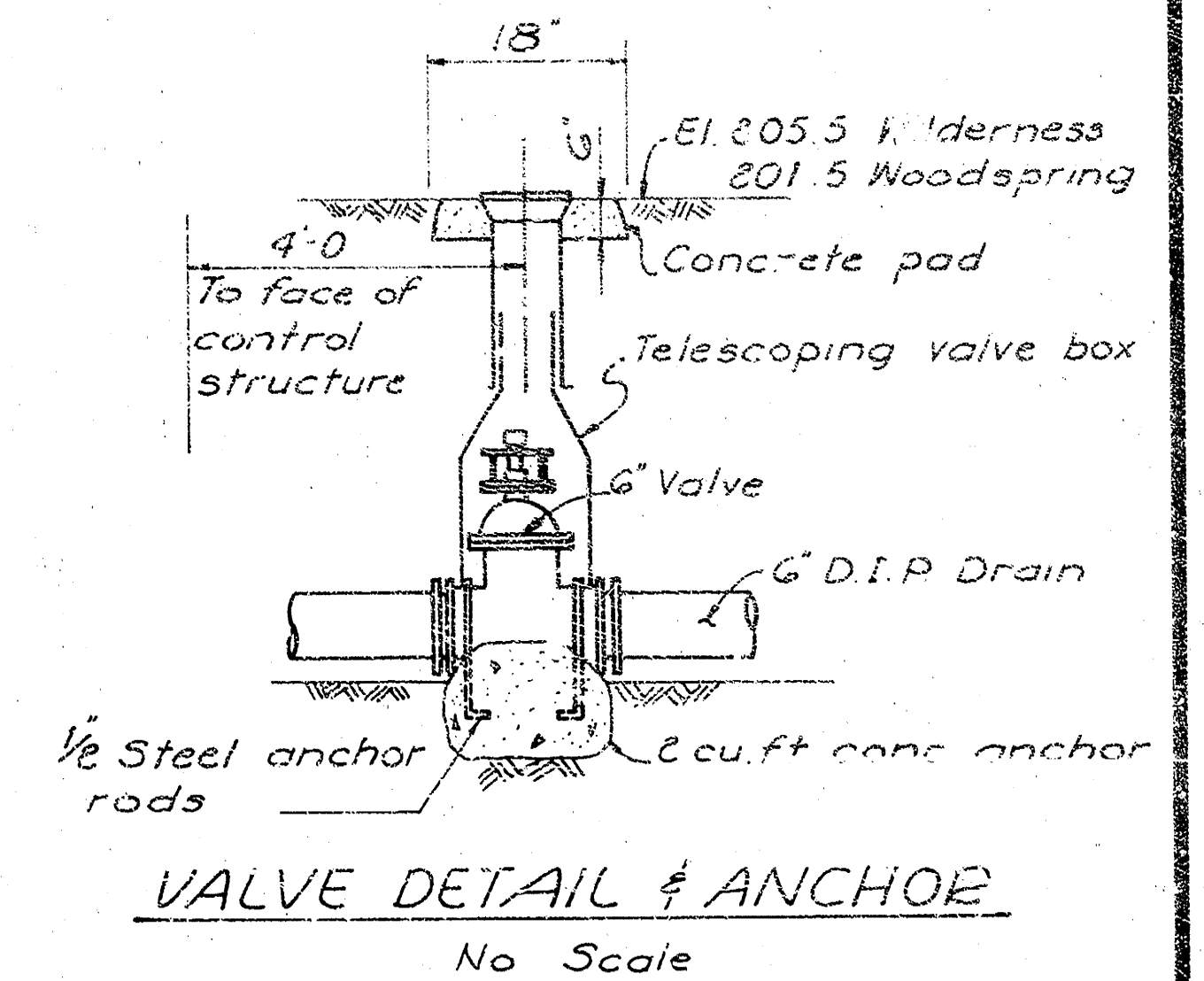
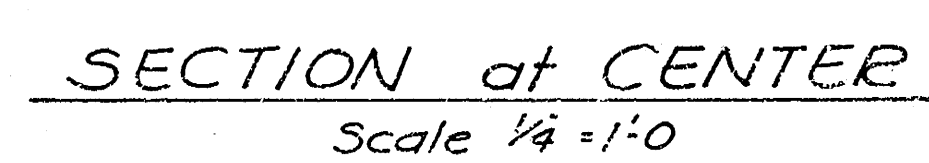
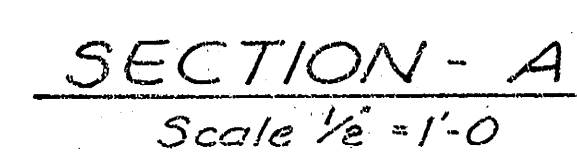
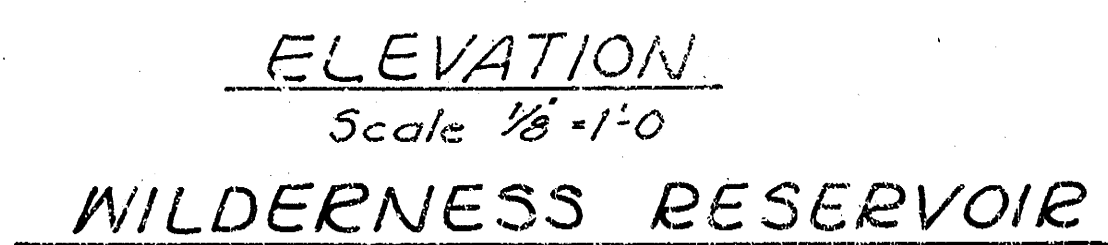
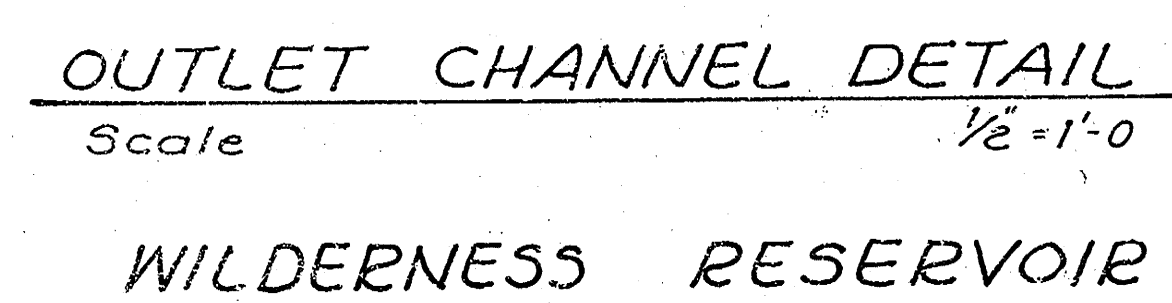
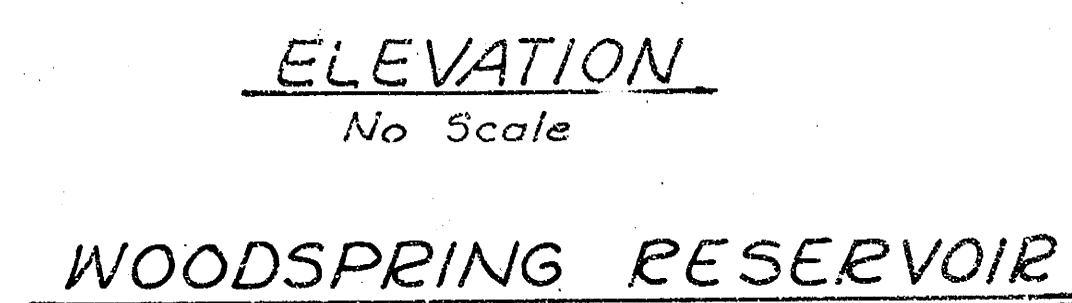
Construct Woodspring
control structure. See
details sheet 5

Install 6" drain line,
outlet headwall, valve
and inlet headwall.
See details sheet 5.
Total Pipe Length 110'

LEGEND
— EXISTING CONTOURS
— NEW CONTOURS
⊕ SOIL BORINGS

S.W. CORNER NE 1/4 NE 1/4 N. 391,443.59
SECTION 5, T-27-S, R-2-E. E. 367,300.90
(STATE PLANE CO-ORDINATE SYSTEM)
Q CONTROL STRUCTURE N. 389,870.
E. 366,455
CONTROL STRUCTURE ORIENTED S. 83° 30' E.

WILDERNESS AND WOODSPRING DETENTION RESERVOIRS WICHITA, KANSAS		Design JWW
SITE PLAN		Drawn by DMS
		Checked by JWW
		Date July 80
		Job no. 79-234
 Van Doren - Hazard - Stallings Architects • Engineers • Planners Topeka Wichita Minneapolis		Sheet 4/5



WILDERNESS AND WOODSPRING DETENTION RESERVOIRS WICHITA, KANSAS	Design LW
	Drawn by HAP
DETAILS	Checked by LW
	Date July 60
	Job no. 79-234