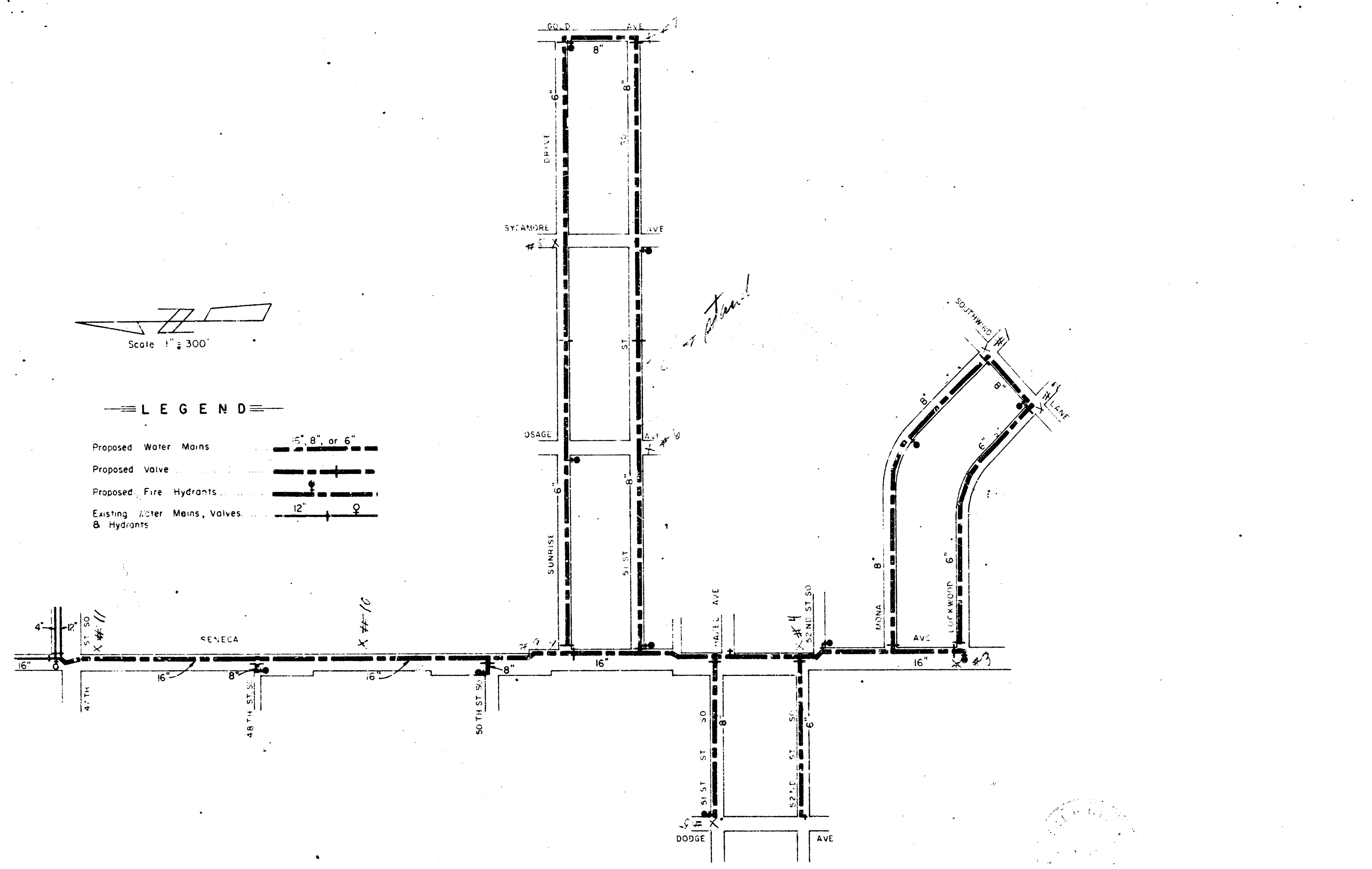
CITY OF WICHITA

WATER DEPARTMENT

DESIGN & PLANNING DIVISION

PLAN AND PROFILE OF WATER MAIN CONSTRUCTION

1965



RECOMMENDED FOR APPROVAL

Bill H. Otten

Supt of Design & Planning

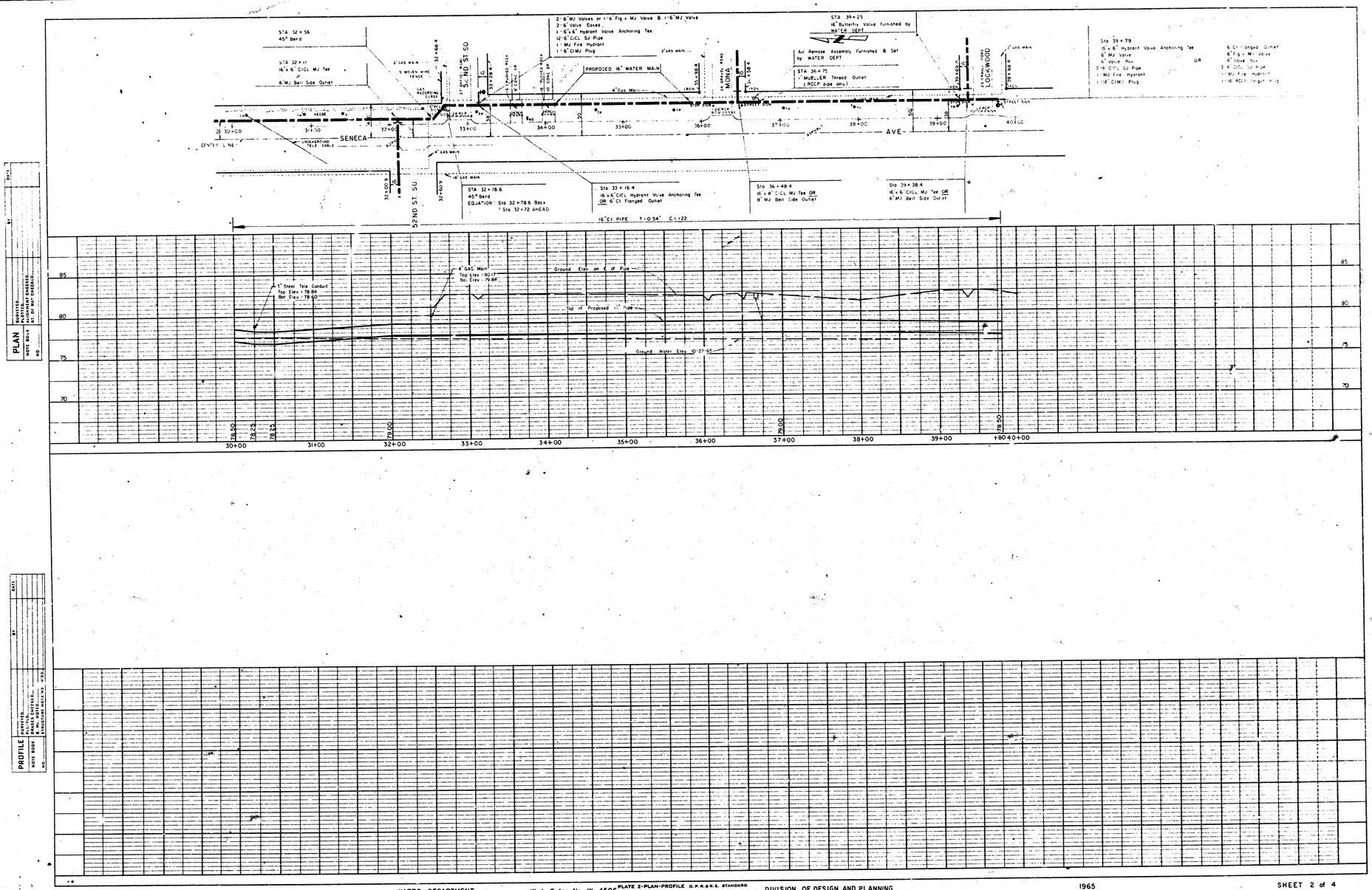
APPROVED

Operations Chief Engineer

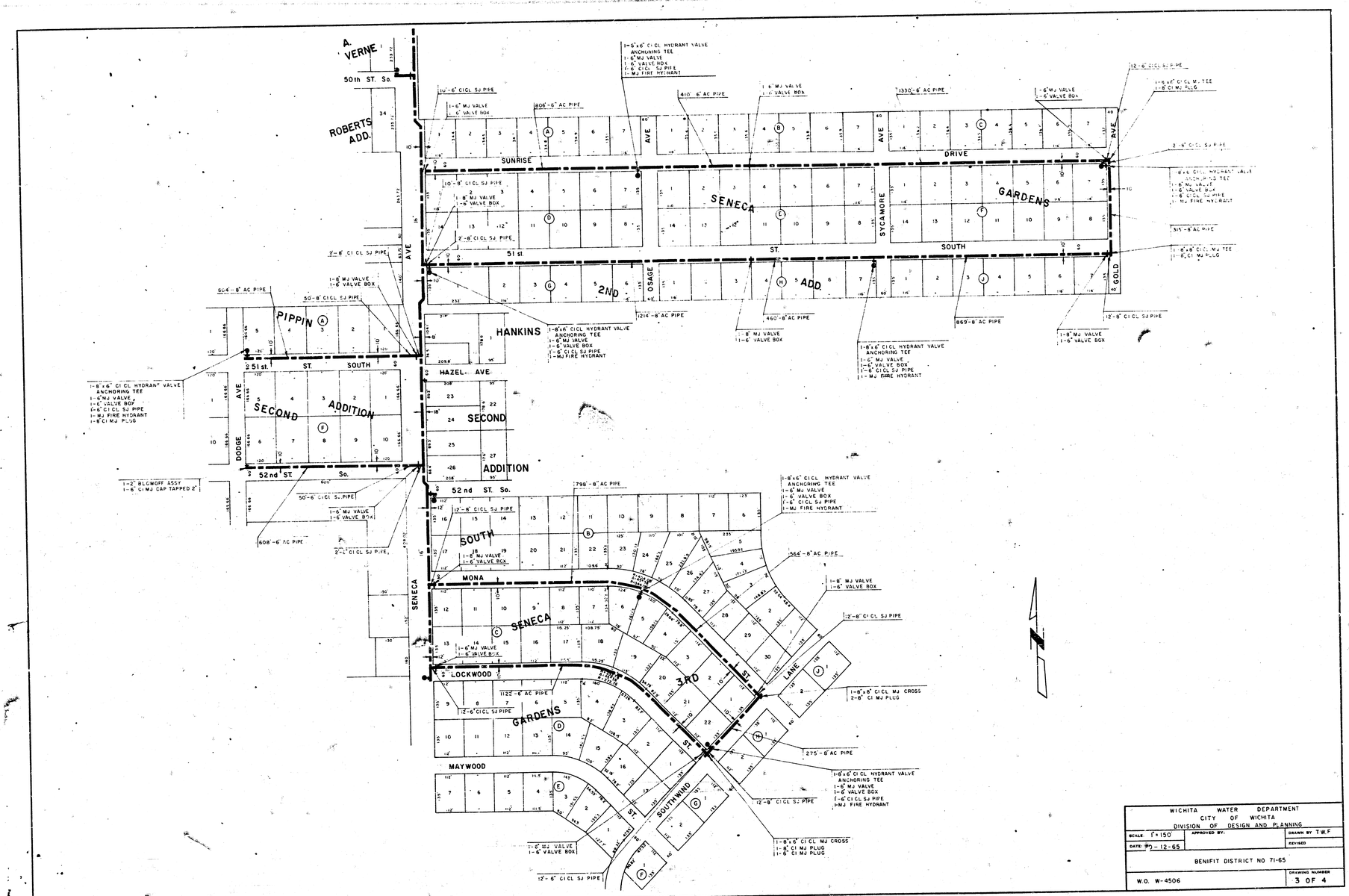
PLAN — SURVEYED — PLOTTED — CHECKED — NOTE BOOK — NO — BY — DATE

PROFILE — SURVEYED — PLOTTED — CHECKED — NOTE BOOK — NO — BY — DATE

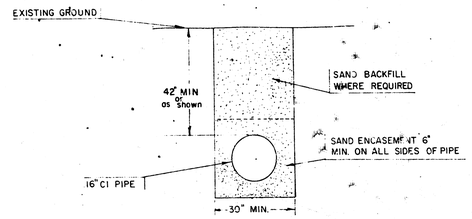
CITY OF WICHITA KANSAS — WATER DEPARTMENT — Work Order No. W-4506 — PLATE 2-PLAN-PROFILE O.P.R.&R.E. STANDARD — DIVISION OF DESIGN AND PLANNING — 1965 — SHEET 1 of 4



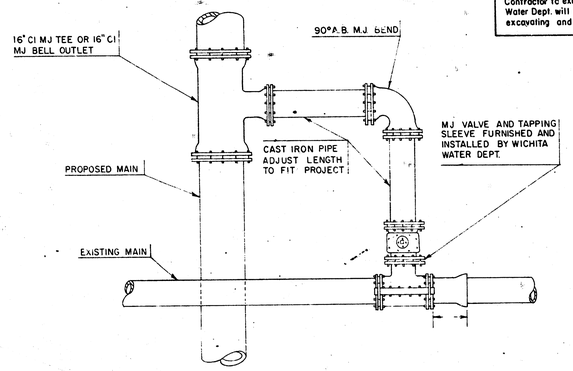
CITY OF WICHITA KANSAS — WATER DEPARTMENT — Work Order No. W-4508 — PLATE 2-PLAN-PROFILE O.P.R.&R.E. STANDARD 100% ABERPROOF VELLUM - MADE AND PRINTED IN U.S.A. EUGENE DIETZGEN CO. — DIVISION OF DESIGN AND PLANNING — 1965 — SHEET 2 of 4



WICHITA WATER DEPARTMENT CITY OF WICHITA DIVISION OF DESIGN AND PLANNING	
SCALE 1"=150'	APPROVED BY:
DATE 12-12-65	DRAWN BY T.W.F REVISED
BENIFIT DISTRICT NO 71-65	
W.O. W-4506	DRAWING NUMBER 3 OF 4

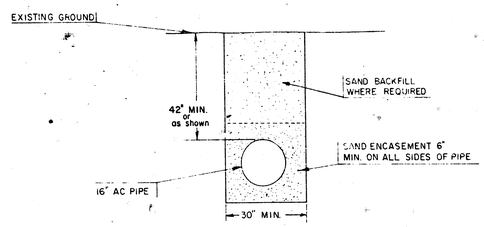


SAND ENCASEMENT FOR C.I. PIPE ONLY

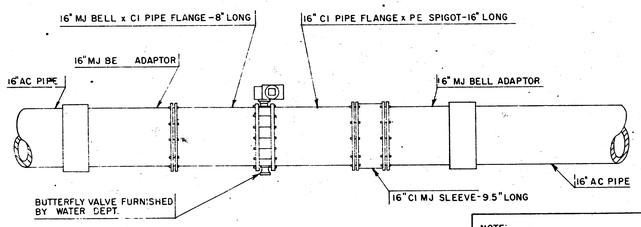


TYPICAL INDIRECT CROSS CONNECTION

Note:
Contractor to excavate and prepare tap hole, Water Dept. will make tap on existing main excavating and backfill at no extra cost.

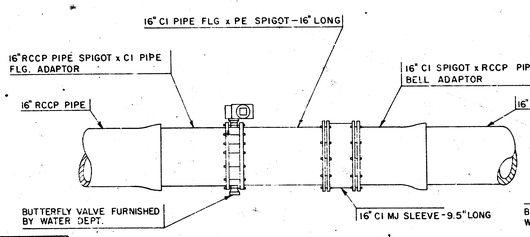


SAND ENCASEMENT FOR AC PIPE ONLY

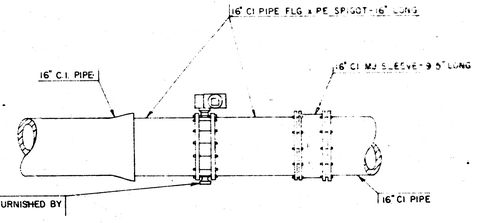


TYPICAL VALVE SETTING DETAIL IN AC PIPE LINE

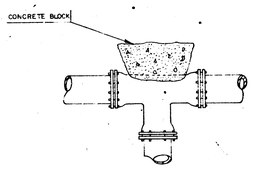
NOTE:
BOLTS & NUTS FOR INSTALLATION OF BUTTERFLY VALVE TO BE FURNISHED BY CONTRACTOR



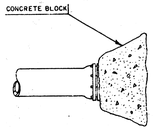
TYPICAL VALVE SETTING DETAIL IN RCCP PIPE LINE



TYPICAL VALVE SETTING DETAIL IN CI PIPE LINE



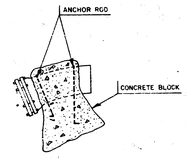
TEE



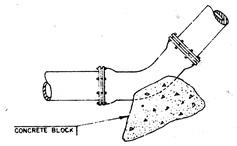
PLUG

PIPE SIZE	THRUST AT FITTINGS IN TONS - AT 150 #/IN² P					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.12	2.968	1.613	.827	.416	2.12
8"	3.76	5.33	2.88	1.470	.740	3.76
12"	8.48	11.99	6.49	3.209	1.66	8.48
16"	15.07	21.32	11.54	5.88	2.96	15.07

TYPICAL THRUST BLOCKS



THRUST BLOCK WITH ANCHOR RODS



BEND

CITY OF WICHITA
WATER DEPARTMENT
DESIGN AND PLANNING DIVISION

SCALE: NONE	APPROVED BY:	DRAWN BY: TWF
DATE: 11-2-64		REVISED: 11-11-65

DETAIL SKETCHES

BENEFIT DISTRICT NO. 71-65 — DRAWING NUMBER W-4506

SHEET 4 OF 4