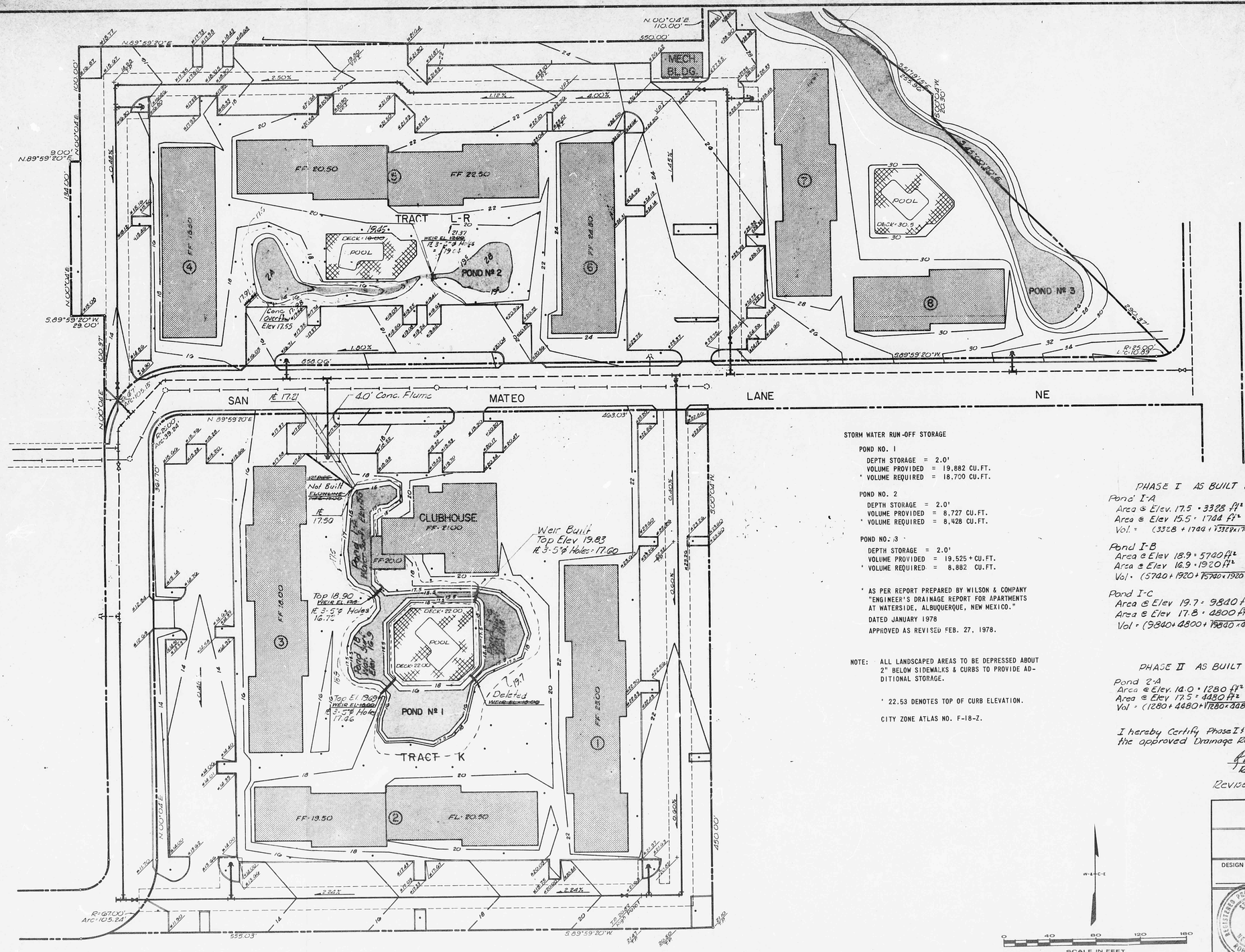
HYDROLOGY

F18/D18
ONE PLAN

F18-D18

1 PLAN



STORM WATER RUN-OFF STORAGE

POND NO. 1

DEPTH STORAGE = 2.0'
VOLUME PROVIDED = 19.882 CU.FT.
* VOLUME REQUIRED = 18.700 CU.FT.

POND NO. 2

DEPTH STORAGE = 2.0'
VOLUME PROVIDED = 8.727 CU.FT.
* VOLUME REQUIRED = 8.428 CU.FT.

POND NO. 3

DEPTH STORAGE = 2.0'
VOLUME PROVIDED = 19.525 + CU.FT.
* VOLUME REQUIRED = 8.882 CU.FT.

* AS PER REPORT PREPARED BY WILSON & COMPANY "ENGINEER'S DRAINAGE REPORT FOR APARTMENTS AT WATERSIDE, ALBUQUERQUE, NEW MEXICO."
DATED JANUARY 1978
APPROVED AS REVISED FEB. 27, 1978.

NOTE: ALL LANDSCAPED AREAS TO BE DEPRESSED ABOUT 2" BELOW SIDEWALKS & CURBS TO PROVIDE ADDITIONAL STORAGE.

' 22.53 DENOTES TOP OF CURB ELEVATION.

CITY ZONE ATLAS NO. F-18-Z.

PHASE I AS BUILT STORAGE

Pond I-A
Area @ Elev. 17.5 = 3328 ft²
Area @ Elev 15.5 = 1704 ft²
Vol. = (3328 + 1704 + √(3328 x 1704))1/3 x 2.0 = 4987 ft³

Pond I-B
Area @ Elev 18.9 = 5740 ft²
Area @ Elev 16.9 = 1920 ft²
Vol. = (5740 + 1920 + √(5740 x 1920))1/3 x 2 = 7320 ft³

Pond I-C
Area @ Elev 19.7 = 9840 ft²
Area @ Elev 17.8 = 4800 ft²
Vol = (9840 + 4800 + √(9840 x 4800))1/3 x 1.9 = 13,625 ft³
Σ = 25,932 ft³ > 18,700 Reqd

PHASE II AS BUILT STORAGE

Pond 2-A
Area @ Elev. 14.0 = 1280 ft²
Area @ Elev 17.5 = 4480 ft²
Vol = (1280 + 4480 + √(1280 x 4480))1/3 x 3.5 = 9514 ft³ > 8428 ft³ Reqd

I hereby Certify Phase I & Phase II are in substantial Compliance the approved Drainage Report dated Jan. 1978

Robert F Sykes 19 Dec 1979
Robert F Sykes

Revised To As Built 18 Dec 1979

WATERSIDE APARTMENTS ALBUQUERQUE, NEW MEXICO	
GRADING PLAN	
DESIGN / DRAWN	DATE: JULY 1978
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO NO. 4591 ROBERT F. SYKES	WILSON & COMPANY ENGINEERS ARCHITECTS ALBUQUERQUE, NEW MEXICO
	FILE NO. 78-512
	SHEET NO. OF

F18/D18