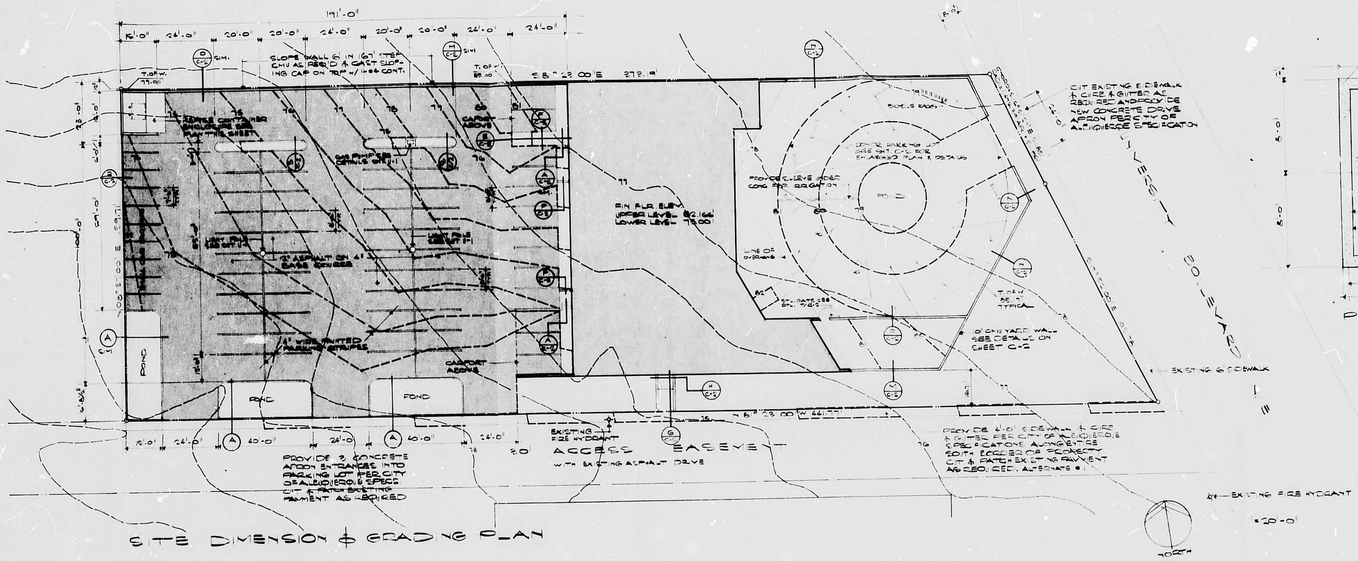
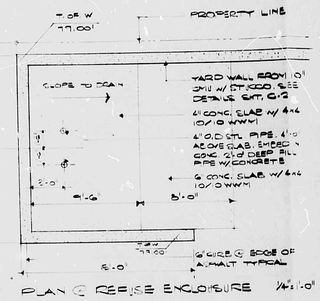


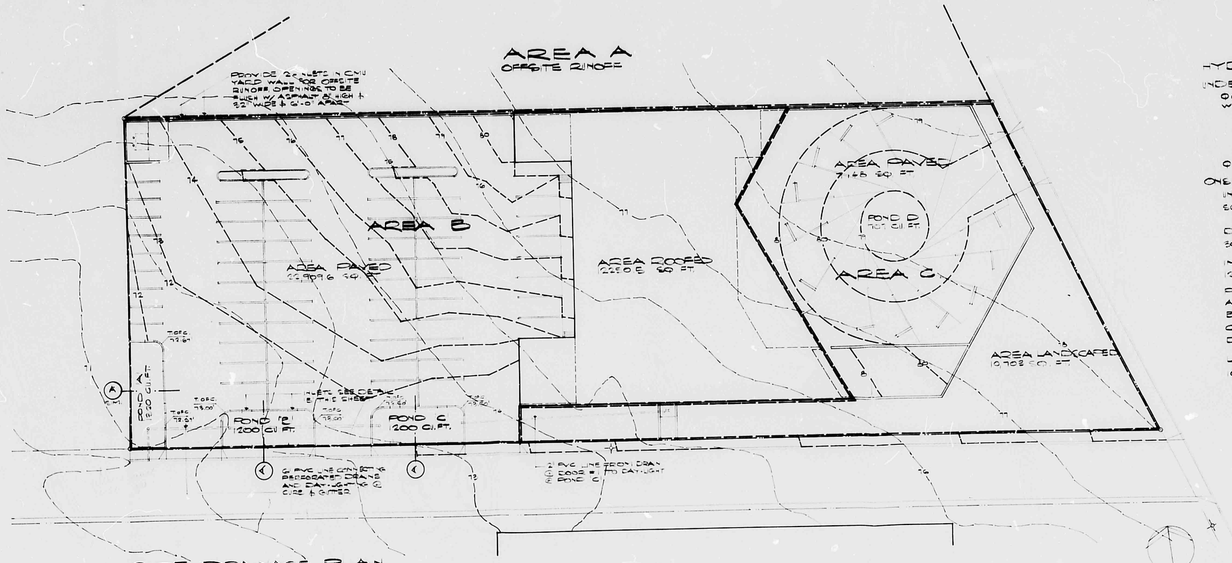
SITE DIMENSION & GRADING PLAN



PLAN @ REFUSE ENCLOSURE 1/4"=1'-0"

GENERAL NOTES

1. PROVIDE SLEEVES (INDICATE ASPHALT & CONCRETE) THRU WALLS TO POND & OPEN AREAS FOR LANDSCAPE IRRIGATION SYSTEM.



SITE DRAINAGE PLAN

HYDROLOGY DATA

UNDEVELOPED DRAINAGE Q (OFFSITE)

Q = C A (RATIONAL FORMULA METHOD)

WHERE C = 0.4

$t_c = \frac{0.395(1.1-C_f)\sqrt{L}}{S^{0.33}} = \frac{0.395(1.1-0.4)\sqrt{1125}}{2.3^{0.33}} = 6.7$

$t_c = \frac{L^3}{11.2(\Delta H/L)^{0.385}} = \frac{(1125)^3}{11.2(20/1125)^{0.385}} = 0.0022 \times 60 = 3.12$ MIN.

A = 1.68 ACRES

Q = (0.4)(6.7)(1.68) = 4.60 CFS

ONSITE CALCULATIONS Q

UNDEVELOPED

$50,458.37\ SQ.FT \times 0.4 \times \frac{2.4}{12} = 4526.6$ CU. FT.

DEVELOPED (PAVED AREAS)

$30,057.6\ SQ.FT \times 0.9 \times \frac{2.4}{12} = 5410.4$ CU. FT.

UNDEVELOPED (ROOFED AREA)

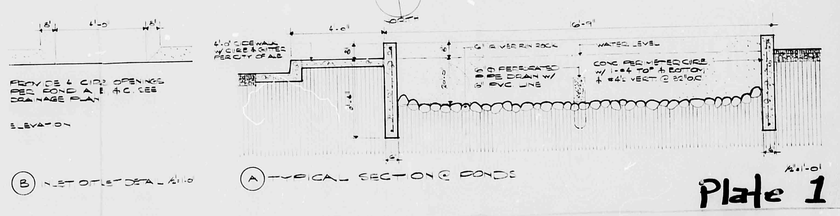
$12,250\ SQ.FT \times 0.9 \times \frac{2.4}{12} = 2205.1$ CU. FT.

POND VOLUMES

A = 8' x 44' x 2' = 1320 CU. FT.
B = 15' x 40' x 2' = 1200 CU. FT.
C = 10' x 60' x 2' = 1200 CU. FT.
D = 8' x 3.6' x 2' = 707 CU. FT.

LANDSCAPED AREA

0.03 SQ.FT x .04 $\frac{2.4}{12}$ = 452.2 CU. FT.



(B) NET OUTLET DETAIL A511-0

(A) TYPICAL SECTION @ POND

Plate 1

C-1

UNITED DRAINAGE SERVICES
LOVE BLVD SYSTEMS
BLY NE
SNOW MARCHITECT
DUNCK
UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO 87131

300 12 ST NW
505 843 7390

STATE OF NEW MEXICO
ANTOINE PREDOCK
NO. 4001
REGISTERED ARCHITECT

SITE PLAN & DRAINAGE STUDY

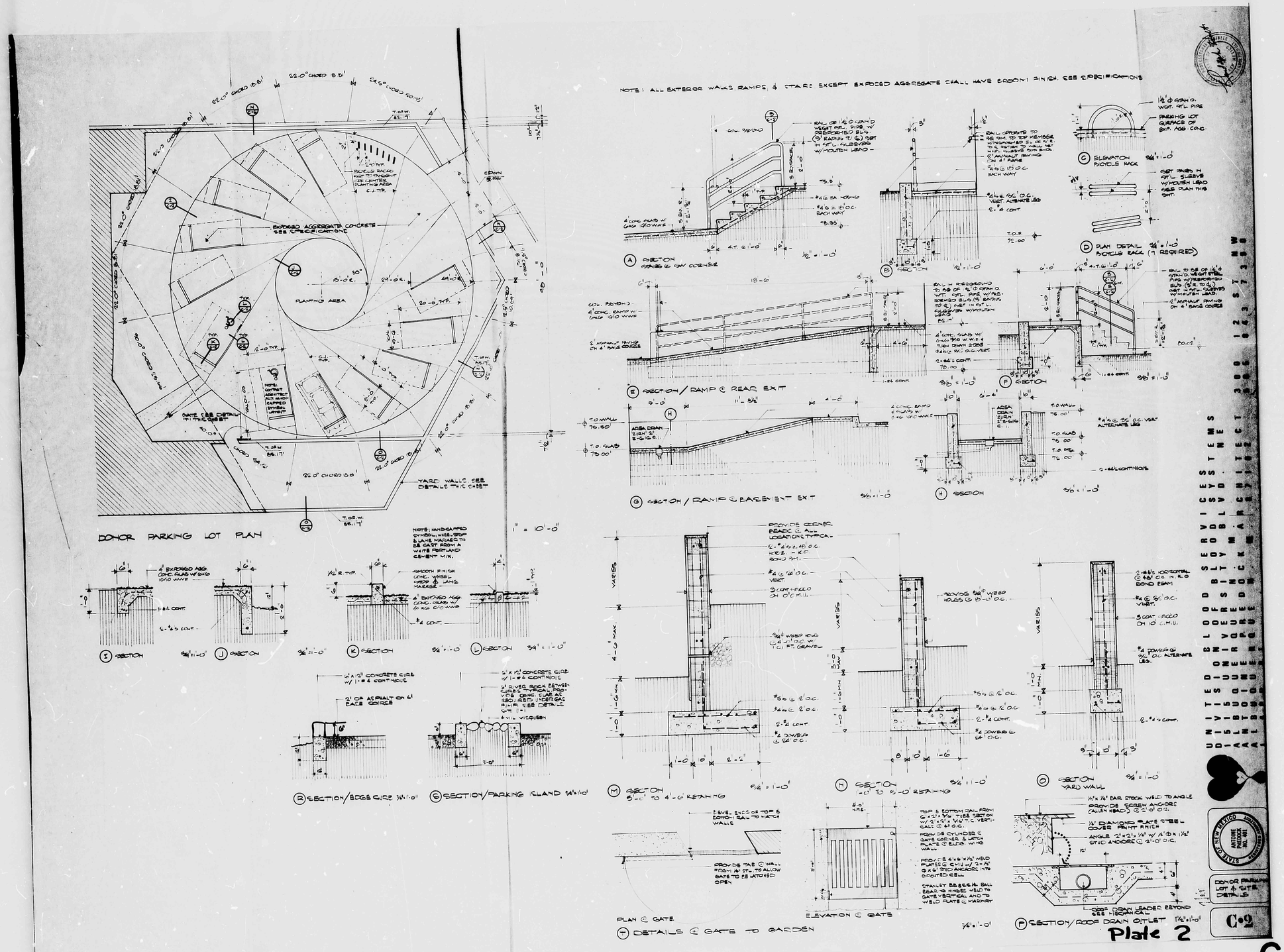
THIS PLAN MAY HAVE BEEN REDUCED IN SIZE AND/OR CROPPED.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F



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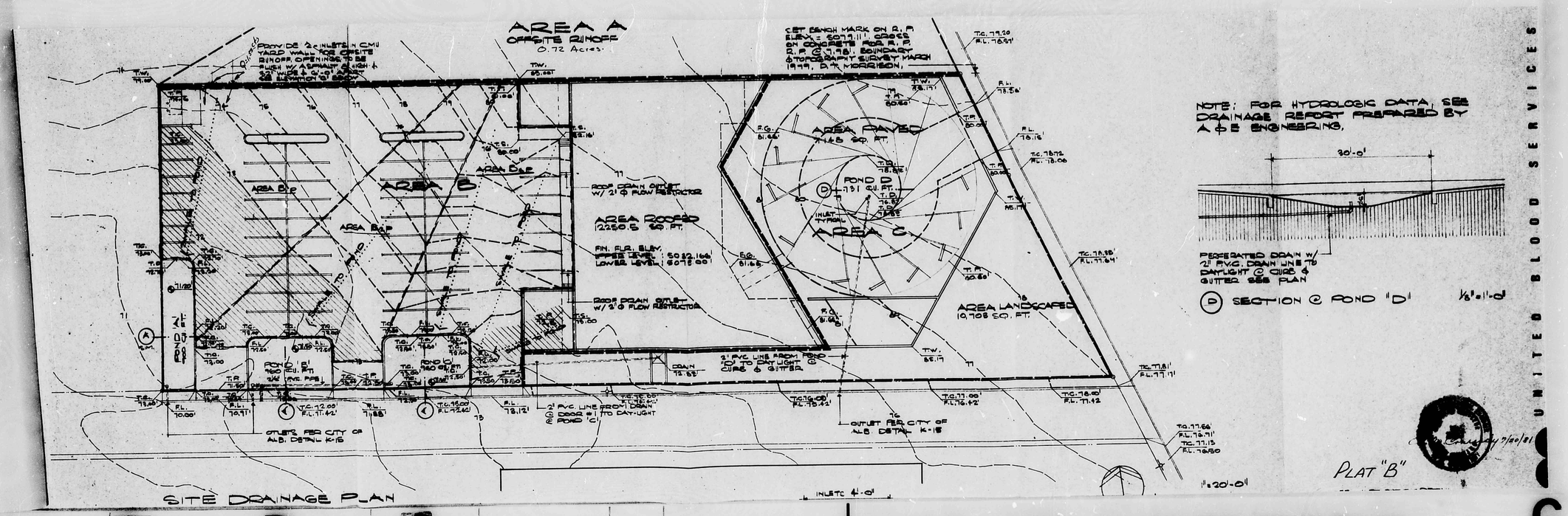
F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F



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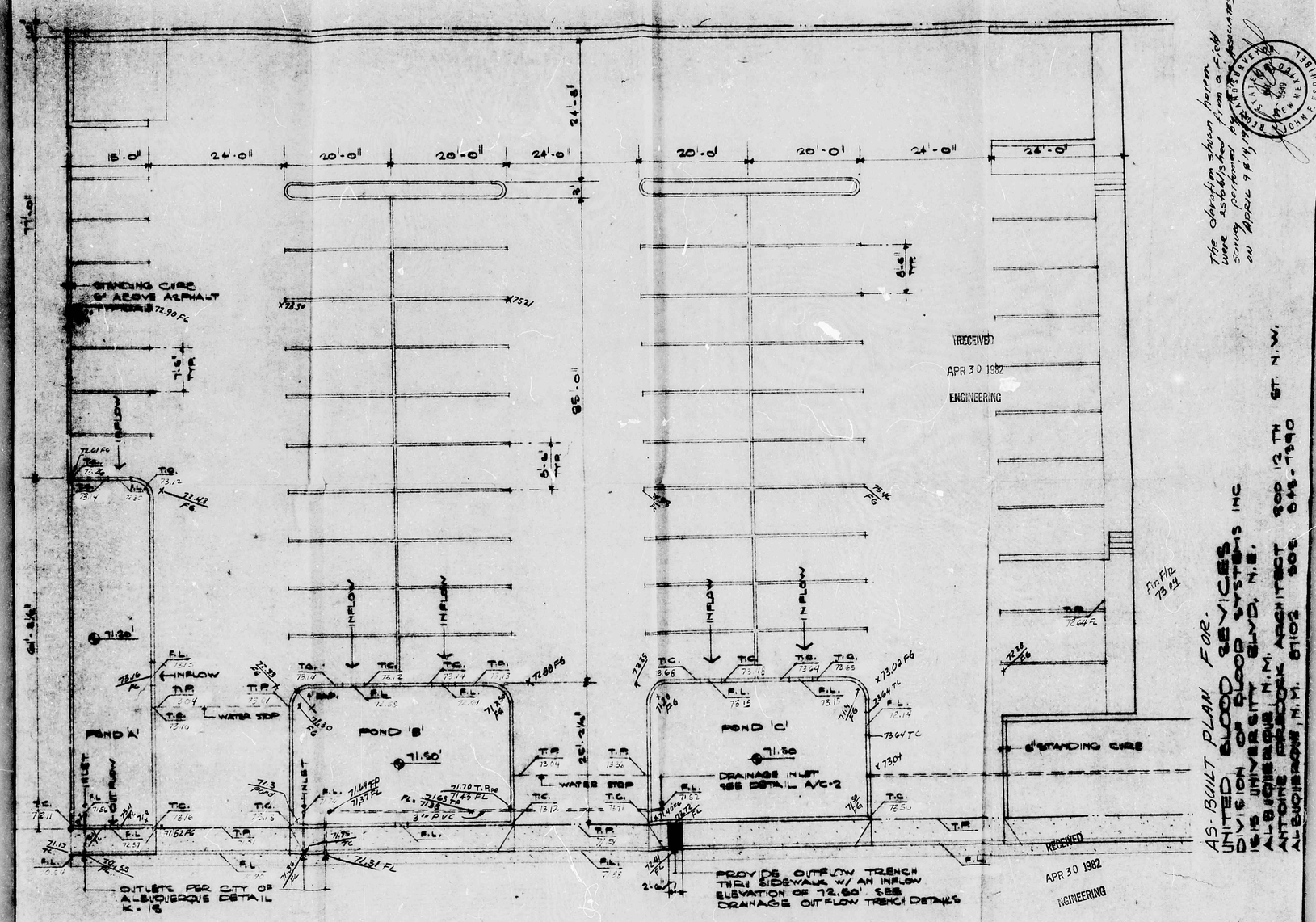
CITY OF ALBUQUERQUE

HYDROLOGY

J15/D9
4 PLANS
2 of 2



The elevation shown hereon were established from a field survey performed by me or under my supervision on April 9 & 14, 1982

AS-BUILT PLAN FOR
UNITED BLOOD SERVICES
DIVISION OF BLOOD SYSTEMS INC
10 TH UNIVERSITY BLVD. N.E.
ALBUQUERQUE, N.M.
ARCHITECT
ROD 12 TH ST. N.W.
ALBUQUERQUE, N.M.
87102
505 843-7590

DRAINAGE POND LAYOUT & CURB ELEVATIONS

1" = 10'-0"

11/10/81

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