HYDROLOGY

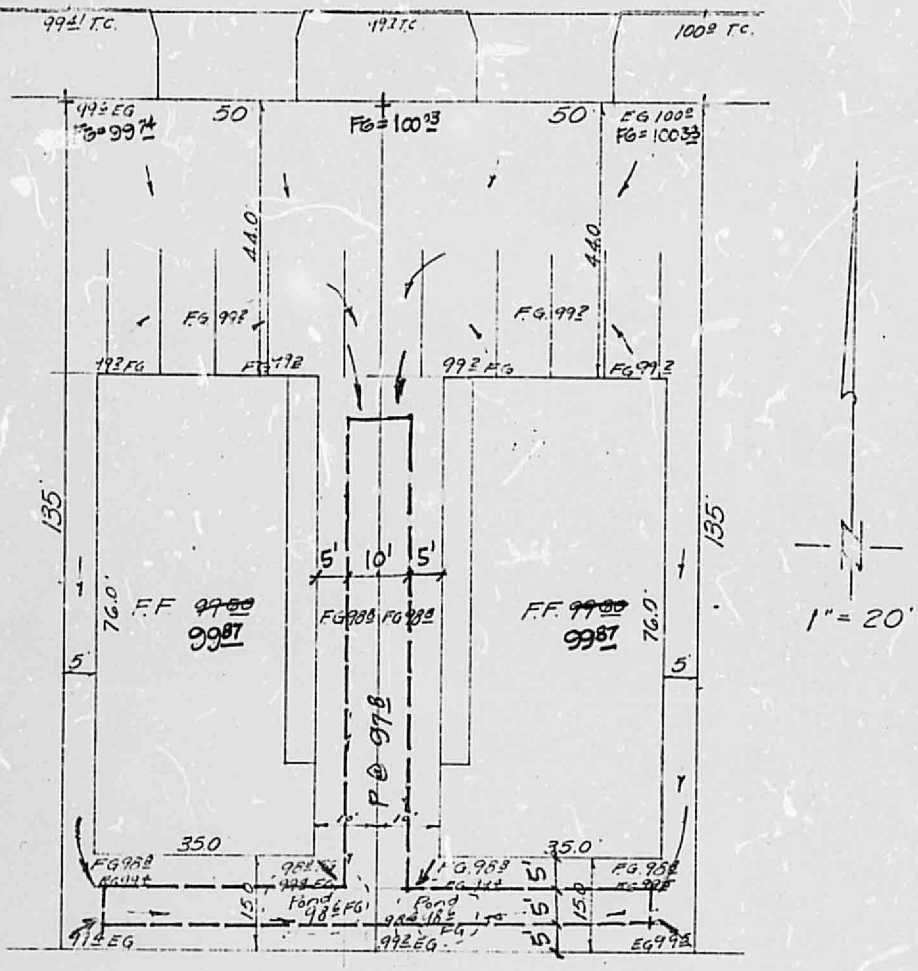
L16/D17

L16/D17

3508
3512

L16/D17

EASTERN AVE. SE



1" = 20'

PLOT PLAN
LOTS 21 & 22 IN BLOCK 7
KNOB HEIGHTS
AN ADDITION
ALBUQUERQUE, N. MEX.
PAISANO CONST. CO.

ENCHANTMENT ENGINEERING Inc.
1529-F EUBANK BLVD. N.E.
ALBUQUERQUE, N.M.
APRIL 25 1977

DRAINAGE CALCULATIONS

[illegible]
[illegible]
[illegible]
[illegible]
FOR PASSING CONSTRUCTION [illegible]

NATURAL

AREA [illegible]		.209 AC
NATURAL RUNOFF COEFF. [illegible]	C =	.40
EXISTING SLOPE		0.5% [illegible]
TIME OF CONCENTRATION	Tc =	5 MINUTES
INTENSITY $\frac{A}{T^{.5}}$	I =	[illegible]
100-YEAR [illegible]	C =	[illegible]
UNDEVELOPED RUNOFF RATE		.580 CFS
VOLUME OF NATURAL RUNOFF		.024 AC.-FT.

DEVELOPED

	AREA (AC.)	C		RATE (CFS)	VOLUME (AC.-FT.)
ROOF	.122	.90	.112	.563	.0224
PAVED	.088	.90	.080	.428	.0160
OPEN-PLANTED	.069	.40	.028	.129	.0072

MAX INTENSITY 4.7 IN. HR. X .238 = 1.118 CFS .0472 AC.-FT. = 2072 CU. FT.

REQUIRED RETENTION = .0472 AC.-FT. - .024 AC.-FT. = .0232 AC.-FT. = 1020 CU. FT.

SEE PLOT PLAN FOR POND LOCATION & DETAIL

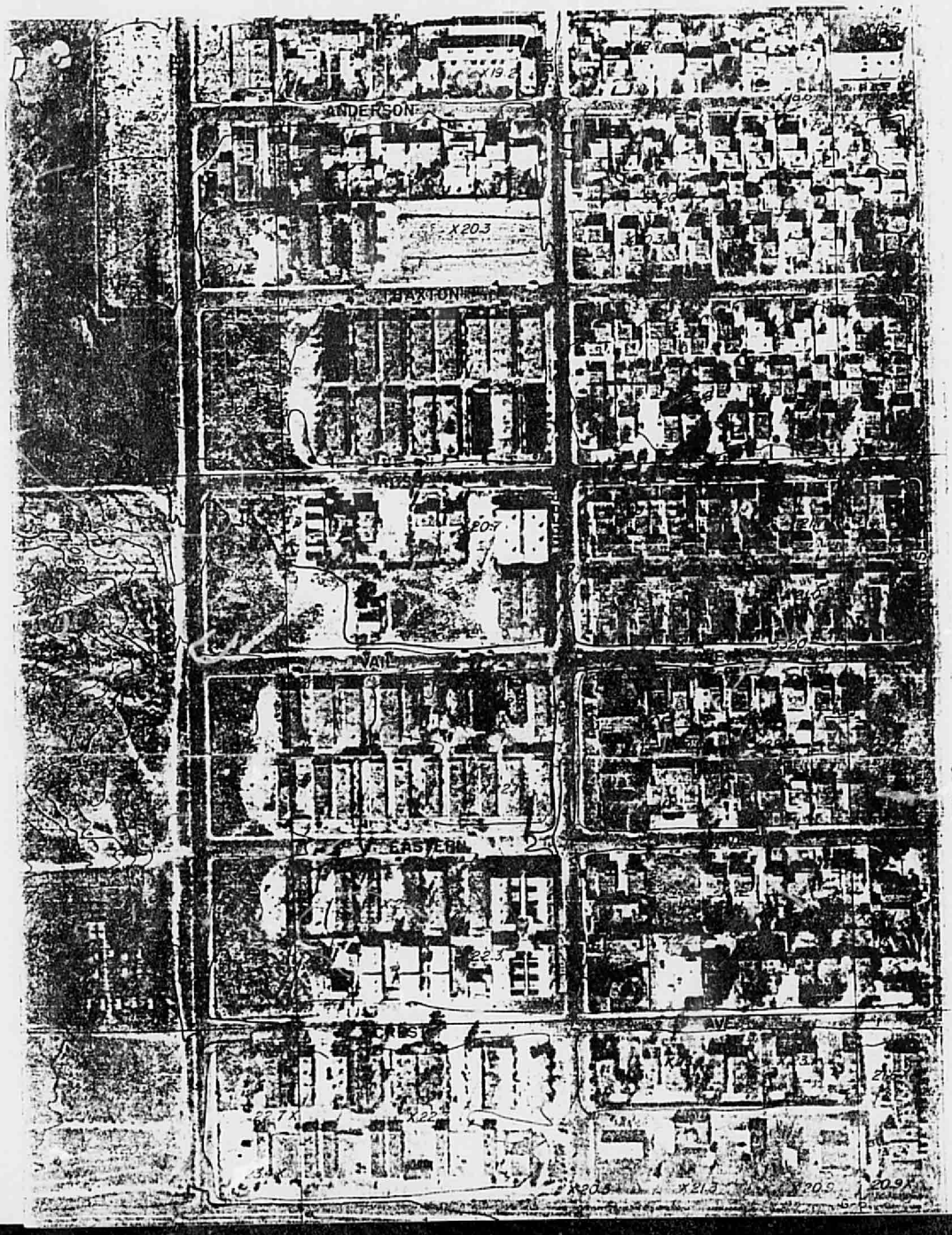
MAX. POND VOLUME AS SHOWN = 1050 CU. FT.

POND CROSSECTION

NO SCALE

APPROVED FOR DRAINAGE
4/6/77
Robert Campbell Acc
Adrian City
drainage inspector upon
completion of grading.

Jim Butler


ANDERSON
X19.2
X20.3
PEAXTON
20.7
WAL
EASTERN
22.3
AVE
X22.6
X20.5
X21.3
X20.5
20.9