HYDROLOGY

F22/D16

F22 / D16

NEW HOLIDAY
PARK TRACT "B"

2 PLANS

candlelight homes, inc.
western development company, inc.

Western Holding Company

May 17, 1979

Mr. Fred Aguirre
City of Albuquerque
Building Inspection Department
Hydrology Section
P.O. Box 1293
Albuquerque, New Mexico 87103

RE: Drainage of Casa Allegre homes in Candlelight Foothills on Terragon

Dear Mr. Aguirre;

The model homes for the O'Connor Company were built by Casa Allegre at the location shown below. Water from those model homes drains into the yards of our customer's homes as shown on the attached sheet in red. We have called the O'Connor Company on several occasions as have our customers but as yet the drainage has not changed. Please investigate this problem for us and help us to get the problem corrected or our customers may lose some walls up there.

If you have any questions, please call me at 265-6441.

Very truly yours,

CANDLELIGHT HOMES OF NEW MEXICO

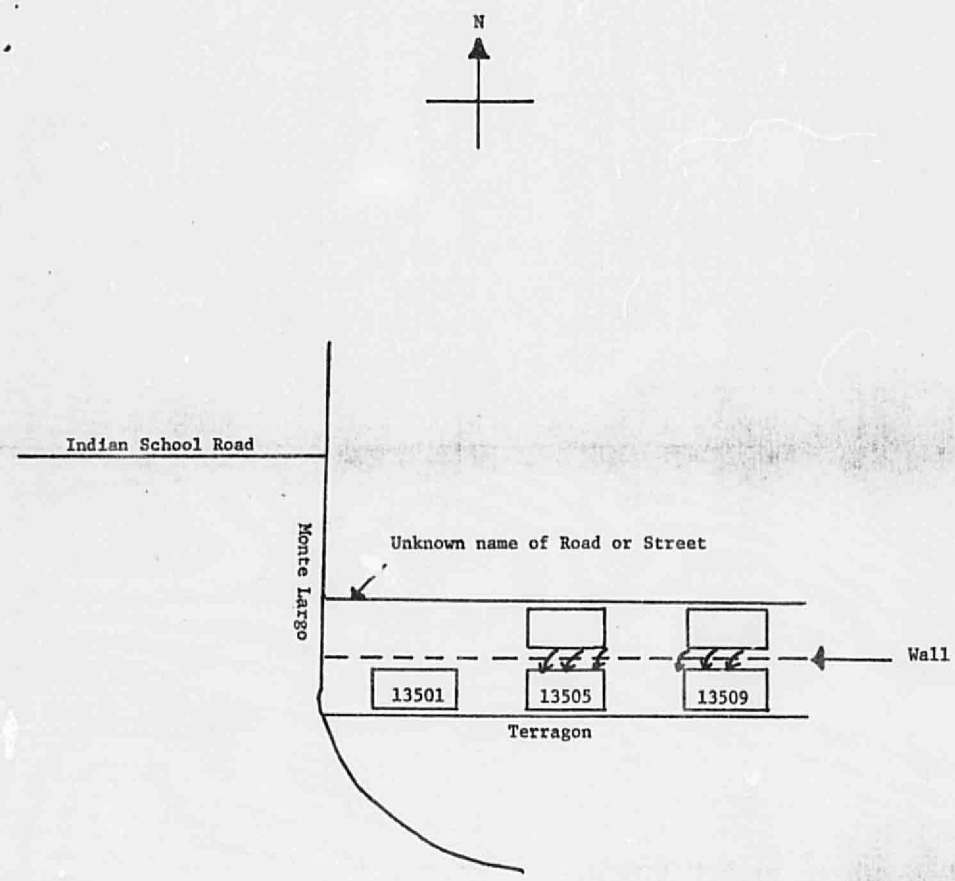
Bill Wilkinson

Bill Wilkinson
Manager, Customer Service

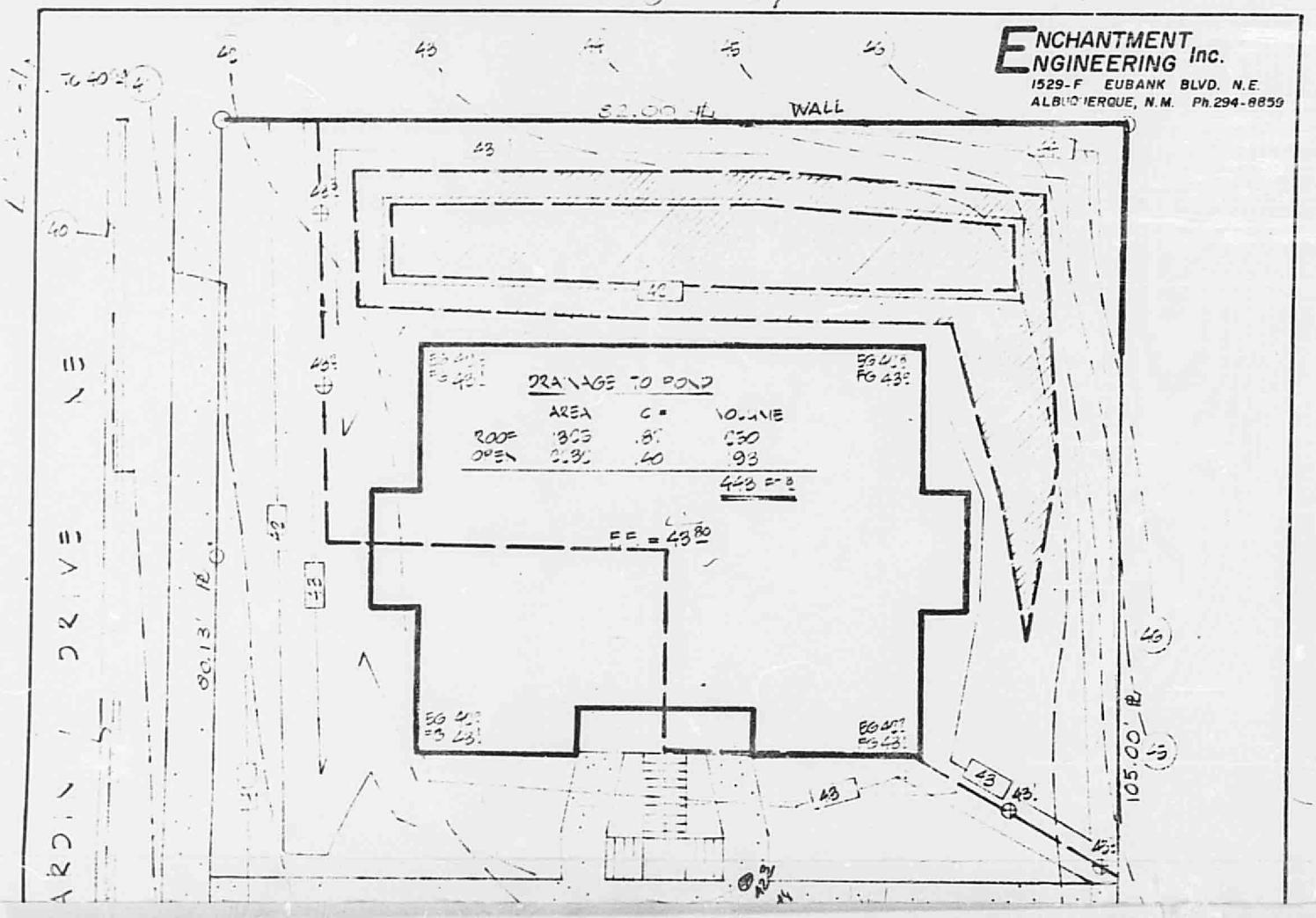
mw

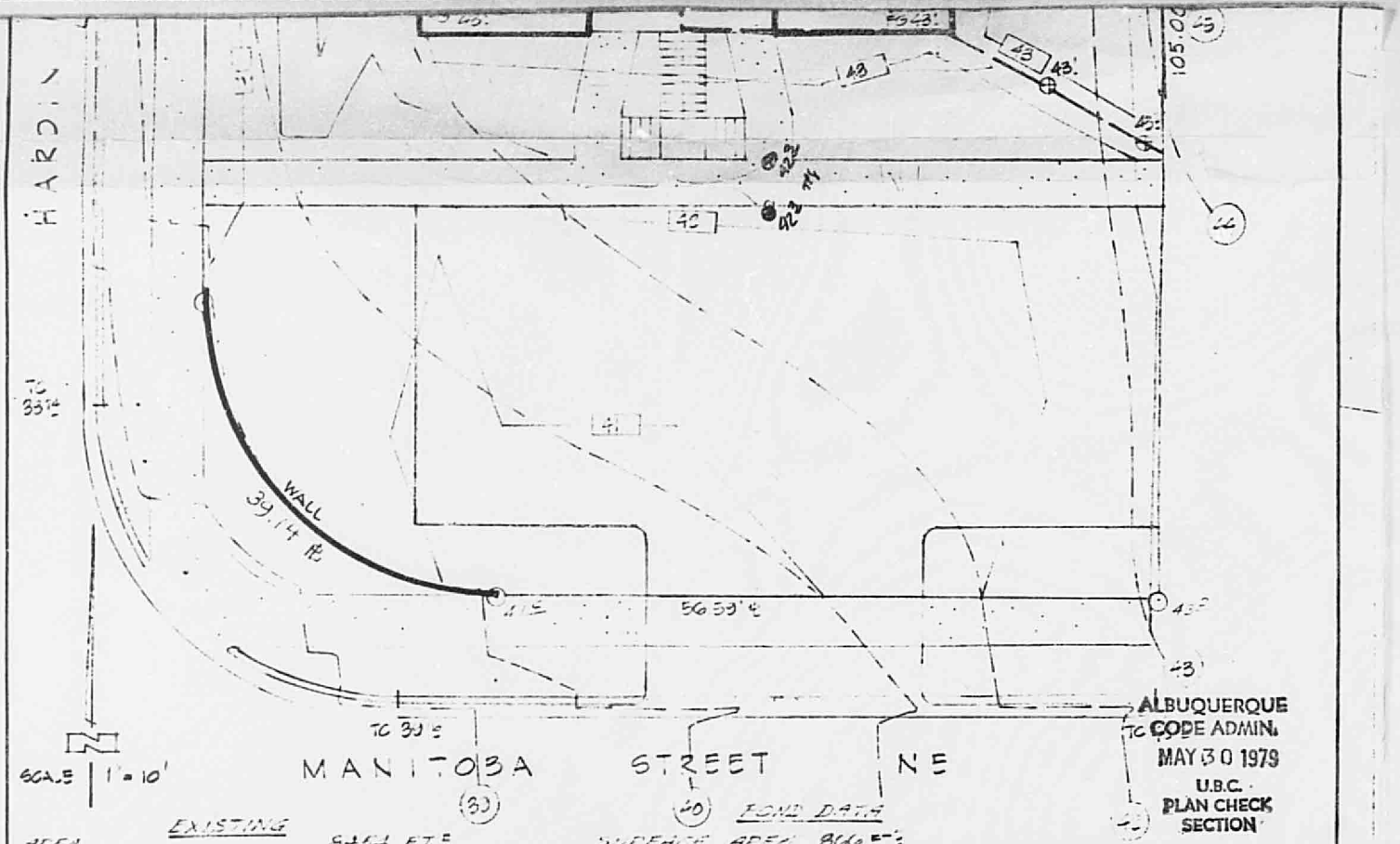
Attachment (1)

1224 pennsylvania, n.e. albuquerque, new mexico 87110 phone (505) 268-4395


N
Indian School Road
Monte Largo
Unknown name of Road or Street
Wall
13501
13505
13509
Terragon

79-9-81


ENCHANTMENT ENGINEERING Inc.
1529-F EUBANK BLVD. N.E.
ALBUQUERQUE, N.M. Ph.294-8859
WALL
DRAINAGE TO POND
AREA C = VOLUME
ROOF .808 .85 .630
OPEN .038 .40 .093
.448 ac ft
FF = 4380
105.00'
80.13'
DRIVE



ALBUQUERQUE
CODE ADMIN.
MAY 30 1979
U.B.C.
PLAN CHECK
SECTION

EXISTING

AREA	8464 FT.²
SLOPE	
RUNOFF COEFFICENT	.40
TIME OF CONCENTRATION	< 10 MIN
INTENSITY	5.4 IN/HR
100 YEAR STORM	2.0 IN
RUNOFF RATE	.[illegible] CFS
RUNOFF VOLUME	733 FT.³

DEVELOPED

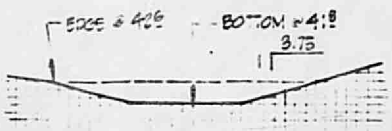
	AREA	C	RATE	VOLUME
ROOF	1767	.87	.191	333
PAVED	2168	.92	.247	4[illegible]
OPEN	4519	.40	.189	3[illegible]
			.627 CFS	1157 FT.³

REQUIRED RETENTION
1157 − 733 = 424 FT.³

POND DATA

SURFACE AREA	866 FT.²
BOTTOM AREA	316 FT.²
DEPTH	.8 FT.

$$VOL. = \frac{.8}{3} \times 866 + 316 + \sqrt{866 \times 316}$$
$$= 460 \text{ FT}^3$$



POND SECTION (TYPICAL)
1" = 5'

DRAINAGE PLAN

LOT - N
BLOCK - C
REVISED NEW HOLIDAY PARK
PARTS 5 & 6

FOR JIM HARDIN CONST.

F22/D16

MAY-2-94