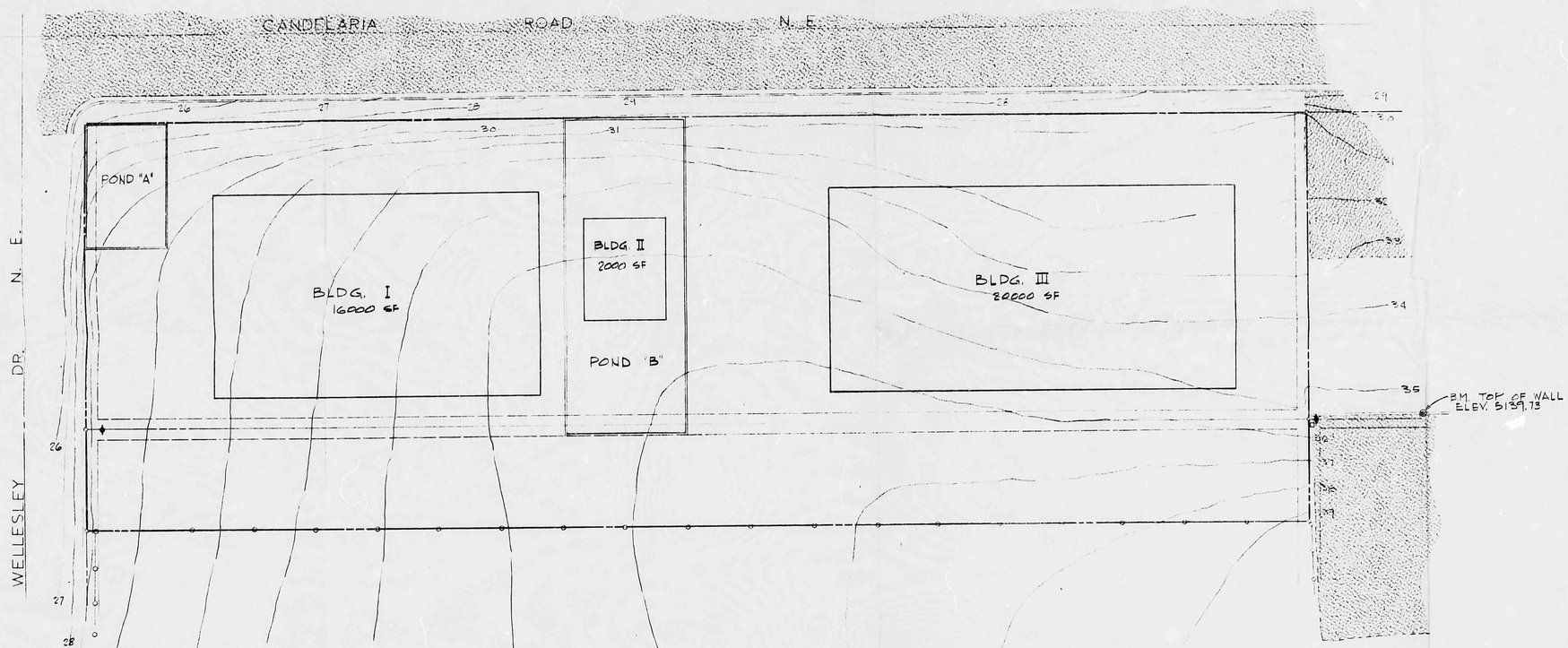
HYDROLOGY

H16/D19
1 PLAN
NO DOCUMENT

H16/D19

1 Plan
No Documents

Z-72-181



SITE PLAN 1" = 30'

GENERAL NOTES:

A. THE BUILDING OUTLINES SHOWN ARE SCHEMATIC IN LOCATION BUT REPRESENT THE PLANNED AREA OF DEVELOPMENT.

DRAINAGE CALCULATIONS

UNDER ORIGINAL CONDITIONS
Q= 2.75 x 0.4 x 2.4 = 2.64 CFS

NOTE: ALL RAINFALL ON ROOF AREAS WILL BE TOTALLY RETAINED.

ROOF = 38000 SF = 0.87 ACRES

Q' = (2.75 - 0.87) x 0.9 x 2.4 = 4.06 CFS

INCREASED FLOW:

Q' - Q = 1.42 CFS

FOR ONE HOUR RETENTION:

1.42 x 60 x 60 = 5100 C.F.

POND A-

60 x 40 x 1 = 2400 C.F.

POND B- PLANTING AREA

(60 x 155) - 2000 x .5 = 3650 C.F.

DRAINAGE APPROVED

AMAFCA — DATE Sept 29, 72

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO 2961

APPROVED BY THE CITY COMMISSION — ORD NO. — DATE

TRAFFIC ENGINEER — DATE 10-6-72

CITY ENGINEER — DATE 2 Oct 72

FLATOW MOORE BRYAN & FAIRBURN
ARCHITECTS ENGINEERS PLANNERS
ALBUQUERQUE NEW MEXICO

DRAINAGE STUDY
FOR
MR. MAX POLLOCK

DATE 9-26-72
SCALE 1" = 30'
SHEET 1 of 1

Z-72-181