HYDROLOGY

H16/D12
1 PLAN

H16/D12

1 PLAN

DRAINAGE CALCULATIONS

AREA OF PARCEL = 200 x 225 = 45,000 S.F.
IMPERVIOUS AREA = 29,800 S.F.
REQUIRED POND VOLUME = 45,000 x $\frac{29,800}{45,000}$ x 0.1 = 2,980 C.F.

VOLUME POND "A"

4.6
3.1
3.85 x 400 x 1 = 1,540
3.1 x 400 x ½ x ½ = 310
1,850 C.F.

DRAINAGE TO POND "A"

27,600 S.F.

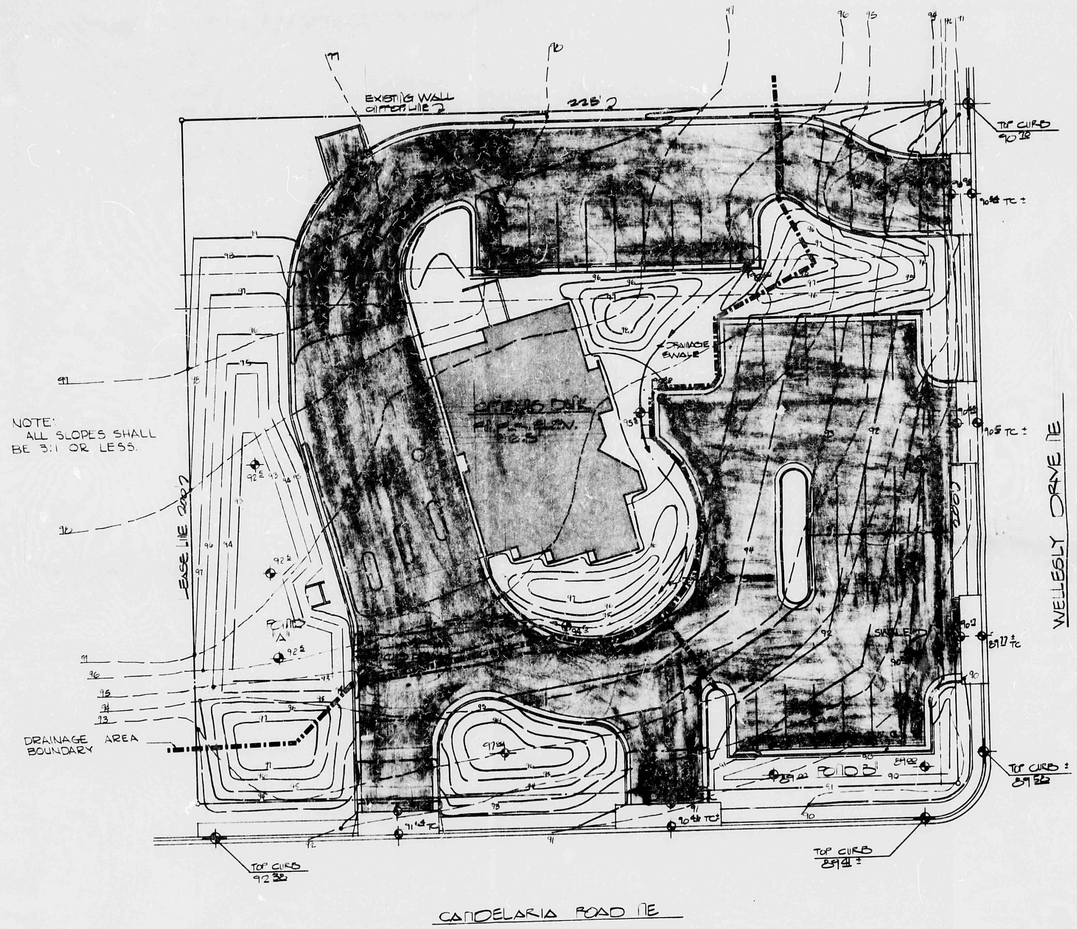
VOLUME POND "B"

4.7
1.2
2.95 x 400 x 1 = 1,180
1.2 x 400 x ½ = 120
1,300 C.F.

DRAINAGE TO POND "B"

17,400 S.F.

TOTAL POND VOLUME = 3,150 C.F.
OFFSITE FLOWS ARE NEGLIGIBLE



REVISED SITE GRADING PLAN

SCALE: 1" = 20'-0"

DEAN / HUNT AND ASSOCIATES LIMITED

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REVISED SITE GRADING PLAN

CITIZENS BANK OF ALBUQUERQUE

CANDELARIA & WELLESLY NE

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