HYDROLOGY J15/D2 1 PLAN

J15/D2

1 Plan

Reading File

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 14, 1978

Mr. Thomas T. Mann, Jr., P.E.
President
Goldberg-Mann & Assoc.
911 Pennsylvania St. N.E.
Albuquerque, N.M. 87110

Re: Drainage Plan for the Board of Realtors Building

Dear Mr. Mann:

I have received the drainage plan for the above-referenced project and I am in concurrence with the scheme submitted.

The drainage plan is hereby approved.

Sincerely,

Bruno Conegliano
Assistant City Engineer/Hydrology

BC/fs

cc - Richard Leonard
Dick Heller
Drainage File

Goldberg · Mann & Associates
Engineers·Planners
811 Pennsylvania St. Albuquerque, New Mexico 87110 (505) 265-3521

November 10, 1978 8-105

Mr. Bruno Conegliano
City Hydrologist
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: Drainage Plan for the Board of Realtors Building

Dear Mr. Conegliano:

Attached is a copy of the Grading Plan for the Board of Realtors Building on University Boulevard N.E. Also attached is a Vicinity Map and a Flood Zone Map.

The parcel is located on the west side of University Boulevard just north of Indian School Road. The land slopes from east to west. University Boulevard intercepts offsite runoff from the east while land to the north and south of the project site is parallel or lower than the project site. The land to the west is considerably lower than the project site. Therefore, offsite flows are negligible.

All runoff will be conveyed into a pond adjacent to the west property line. The pond has been designed to retain more than 50 percent of the runoff from a 100 year frequency storm. Side slopes in the pond area are approximately 4:1. Curb along the edges of the north and west parking areas will divert the runoff into the ponds.

The land to the south of the project site is also owned by the Board of Realtors. Therefore, the minor amount of offsite grading can be accomplished without any problem.

If you have any questions, please do not hesitate to call.

Sincerely yours,

Thomas T. Mann, Jr., P.E.
President

TTM:jj
Enc.3

Calculations

Area of parcel = 58,858 s.f.±

Impervious area = 58,858 - 400 (41.8) = 42.138 s.f.±

Required pond volume = 42,138 x 0.1 = 4,214 c.f.

Pond Volume

123 x 44 x ½	= 2,706	2,160
95 x 34 x ½	= 1,615	1,251
74 x 24 x ½	= 888	624
45 x 16 x ½	= 360	230
25 x 8 x ½	= 100	50
25 x 8 x ½ x ½	= -	
Total pond volume		4,315 c.f.