



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
Harry E. Kinney

CHIEF
ADMINISTRATIVE OFFICER
Frank A. Kleinhenz

August 8, 1977

Mr. Charles T. Asbury
Asbury & Associates
210 La Veta, NE
Albuquerque, New Mexico 87108

514-09

Re: INDUSTRIAL ELECTRIC EQUIPMENT SERVICE IN ALBUQUERQUE, NEW MEXICO.

Dear Mr. Asbury:

On the basis of the grading and the drainage plan submitted to this office, I find that I cannot agree with the results of the drainage report. My findings are as follows:

1. The area between the 6 foot chain link fence and the property line facing Franciscan Street was computed in 10,626 square feet. The paved and the roofed area amounts to 5,700 square feet. As indicated in the Handbook of Applied Hydrology, Ven Te Chow editor, the coefficients of runoff normally used (i.e. table 14-1 ref. cit.), are appropriate for the 5-10 year frequency storm. Multiplying factors are used for storms of lesser frequency. Please find attached a copy of the table adopted by the Denver Regional Council of Governments in their drainage criteria manual.

In the analysis of the runoff for the 100-year storm, a runoff of 0.35 is commonly adopted in the Albuquerque area, and for the impervious areas (roofs and pavements) a runoff coefficient of 1.0 needs to be used.

In accordance with the above given a 100-year frequency rainfall of 2.2 inches, using a runoff coefficient of 0.4 the undeveloped runoff volume would amount to 779 cubic feet. After development, the runoff volume would amount to 1,406 cubic feet with a total storage requirement of 627 cubic feet.

2. I notice that the ponding area provided appears located in part outside the property line (within Franciscan Street right-of-way?). If so, the pond would not be acceptable: ponding requirement must be located within the property without encroachment of public right-of-way (which is requested and dedicated for other public purposes).
3. The grading on the site as indicated does not insure the routing of the runoff through the pond. A good portion of the runoff can drain into the streets.

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Please revise the drainage plan for the site to conform to the requirements above.

Very truly yours,



Bruno Conegliano
Assistant City Engineer-Hydrology

BC/kr

cc - V. M. Kimmick, City Engineer
Drainage File

Enclosure