HYDROLOGY H19/D2 5 PLANS

H19/D2

5 PLANS

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May 24, 1979

Mr. Bruno Conegliano
Assistant City Engineer,
Hydrology
P. O. Box 1293
Albuquerque, New Mexico 87103

Dear Sir:

This is to inform you of an amended drainage study a portion for area at the northeast corner of Louisiana Blvd. and Cutler Avenue, N.E., known as American Savings Plaza. The original study for the entire area done by Bohannon-Huston was based on a development plan that was, of course, very tentative in nature. As the American Savings & Loan Mid-rise Building reached the design stage, two concepts were forced to change: (1) the location of the building was moved to the west which eliminated a portion of the originally planned and constructed retention pond; (2) the roof system design was changed to an inverted system which does not allow ponding.

In view of these new conditions, I chose to retain those portions of the Bohannon study which I considered still viable, i.e. the retention of the increased storm drainage created by the 100 year storm in parking lot ponds and release at the rate of 1.8 cfs through regulated inlets. A new ponding area was created in the place originally designated as the building site. To verify that the A.M.A.F.C.A. requirements were fulfilled, I calculated by the standard formula, that the new construction would need approximately 10,000 cu. ft. of ponding volume. The attached sketch shows the method by which this was achieved.

Very truly yours,

FLATOW, MOORE, BRYAN & ASSOCIATES

Robert T. Sheppard

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Encl.

cc: Mr. Bill Burks
Mr. H.R. Orr