HYDROLOGY G14/D1 1 PLAN

G 14/D1

1 PLAN

LEVERTON ENGINEERING, INC.

5629 Paradise Blvd. N.W.
Albuquerque, New Mexico 87114
(505) 893-8021

March 28, 1980

G 14-D1

Mr. Richard S. Heller
City Engineer
Albuquerque, New Mexico

RECEIVED
APR 01 1980
CITY ENGINEER

Re: Drainage "Pueblo Quatro Addition"
On Candelaria Rd. NW West of 12th St.
Zone Atlas Map G-14

Dear Mr. Heller;

We respectfully request your consideration and approval of the drainage concept and the plat for the subject subdivision.

Attached for your use and review are:

1. The plat.
2. The topographic drawing showing the existing ground and other information necessary to the preparation of construction plans.
3. The "Ponding Plan" showing the plan and section views of the retention ponds proposed and the detailed calculations of the storm water volume resulting from a 50 year storm and the volumes of the ponds proposed to contain this storm.

The volume of water to be retained on the site from a 2"-6 hour storm (the 50 year storm) is 6,698 cubic feet. And, from a 100 year storm, calculated for purposes of comparison, is 7,368 cubic feet.

The combined volumes of the ponds proposed and including within-the-parapet-walls roof top ponding is 7,545 cubic feet which will contain the runoff from a 100 year storm.

In the event the ponding volumes are exceeded by a given storm the overflow will be delivered in an irregular sheet flow to the property to the south which corresponds to the existing ground and the natural and historic course of storm water flow.

RSH ✓ ADM ____
HRO ____ SUR ____
CDS ____ COUN ____
DES ____ SEC ____
INSP ____ FILE ____
HYDRO ____ RETURN ____

Attachments

John G. Leverton
John Leverton
PE NO. 1874

FOLLOWING FRAME (S)

IS SHOT OF

PHOTOGRAPH (S)

THIS MICROIMAGE IS THE BEST POSSIBLE
REPRODUCTION DUE TO THE POOR QUALITY
OF THE ORIGINAL DOCUMENT

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