

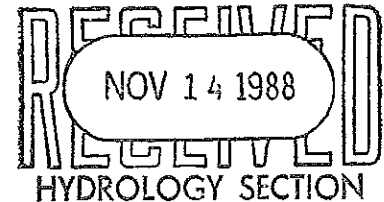
J14/D76

BURTON ENGINEERS, INC.

P. O. BOX 75310 STATION 14 ALBUQUERQUE, NM 87194
(505) 836-6540

November 9, 1988

Bernie Montoya
City of Albuquerque
P.O. Box
Albuquerque, NM 87103



Re: Your letter - October 17, 1988

Dear Bernie:

We have the following answers to your letter.

- 1) Indicate 100 year Water Surface - There is no 100 year flood surface to indicate. FIRM Map 0028C shows that the 100 year flood does not include this area. The flooded area is from 6th Street to west of the Rio Grande for a 500 year flood.
- 2) Apparently we failed to make our calculations clear. The calculations are based on a per square foot capacity. The area of the inlet is 8 sq. ft. and far exceeds the maximum flood in the parking lot. DPM Manual 2, Page 74 shows this type of inlet to have a capacity of 3.5 cfs with a submergence of 0.5'. The maximum submergence without flooding other areas is 1'.
- 3) Invert of the inlet on the plans is 49.42'. Invert of the pipe is 49.21' at the manhole.
- 4) The roof drains for the roof area that is diverted to the drop inlet are equally spaced along the south and west sides of the building. We have shown flow arrows on the plan sheet.
- 5) Our responsibility on this project is limited to the drainage plan. The DRC Review will be handled by others.

We are re-submitting the Drainage Plan sent to you on September 30, 1988 with the area of the roof drained to the drop inlet shown.

Sincerely,

Richard L. Burton

Richard L. Burton, P.E.

/jlb

O-4 UPR
3.5 cfs