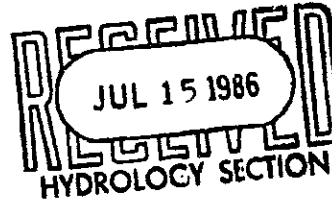


K14-D34

DMJM

July 10, 1986

Mr. Carlos M. Montoya
Design Hydrology Section
Public Works Department
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87102



RE: DRAINAGE PLAN FOR BREECE OFFICE PLACE - DMJM NO. 4671-13-01

Dear Mr. Montoya:

In response to the comments in your letter of July 2, 1986 for the referenced project, we submit the following:

Comment 1. Drainage easements or covenant is forthcoming from the Owner.

Comment 2. The Drainage Computations on the GRADING AND DRAINAGE PLAN designate a 1.05 cfs runoff to 9th Street. This runoff takes a circuitous route through the sidewalk culvert to Copper Avenue to 9th Street.

Culvert Capacity: $\frac{3}{2}$
 $Q_{allow} = CLH$
 $C = 2.6$
 $L = 2.0 \text{ ft.}$
 $H = 0.33 \text{ ft. (assumed)}$
 $\frac{3}{2}$
 $Q_{allow} = 2.6(2.0)(0.33)$
 $= 1.00 \text{ cfs} \approx 1.05 \text{ cfs}$
Close enough for engineering tolerances

Comment 3. No ponding will occur at the landscaped areas.

If you have any other comments or questions, please feel free to call.

Sincerely,


Jean J. Bordenave, P.E.

cc: J. David Dekker

JJB/dt

Daniel, Mann, Johnson, & Mendenhall
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