DRAINAGE REPORT

CLAREMONT SUBDIVISION

Albuquerque, New Mexico

The property in question is that portion of the "Replat of Brentwood Hills Subdivision", an addition to the City of Albuquerque, New Mexico, designated as Elementary School Site. It is bounded on the North by the Embudo Drain, on the South by the "Enchanted Mesa Addition, on the West by Algodones Street and on the East by Lots 1 thru 8 - Block 107 of the above mention Brentwood Hills Addition.

Homes have been constructed on Lots 1 thru 8 - Block 107 of said "Brentwood Hills Subdivision." Construction is taking place within the "Enchanted Mesa Addition" at this time. Curb and gutter has been installed along the North side of Claremont Avenue N.E. from Chelwood Park Blvd. E. to the West line of Lot 1 - Block 107. "Brentwood Hills Addition" Utilities have been installed in Claremont Avenue N. E. from Checlwood Park Blvd. E. to Algodones Street N.E.

The aforementioned Embudo Drain is a well defined flood control channel serving areas from the East. Street drainage within Blocks 107, 108, 109, and 112 of "Brentwood Hills Subdivision" empties into the Embudo Drain thru a drainage easement between Lots 8 and 9 - Block 107 of said addition and therefore, have no effect on the "Claremont Subdivision" as proposed.
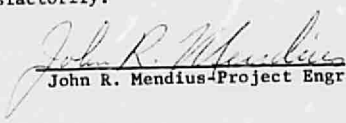
The "street drainage within the "Enchanted Mesa Addition" flows to the South and West away from the proposed Claremont Subdivision eliminating any possible drainage on the proposed property.

The only possible external drainage affecting the proposed subdivision will be along the North curb and gutter line of Claremont Avenue, N.E. and the accompanying "Drainage Plat" and "Street Plan and Profile" for the Claremont Subdivision will show that the flow can be contained within the street itself. This drainage will be diverted along the East side of Algodones Street into the said Embudo Drain.

The area within the subdivision drains from Claremont Avenue in a northwesterly direction towards the Embudo Drain. Street drainage, primarily Elwood Loop, will be directed towards a ten foot (10') concrete lined drainage easement between Lots 11 and 12, as shown on the proposed subdivision plat, and then into said Embudo Drain.

All run-off calculations were determined using the "Rational Formula," Q=CIA, where Q= quantity of storm run-off dependent upon the type of surface drained; I=intensity of rainfall in inches per hour using 3.5 inches/ hour as a maximum for frequency in this area; and A=area of contributing drainage in acres.

It is concluded that if the proposed "Master Drainage" is accepted as submitted, this area can be developed satisfactorily.

John R. Mendius-Project Engr.