



P.O. Box 1293 Albuquerque, NM 87103

June 5, 1997

Martin J. Chávez, Mayor

James Topmiller, PE  
Bohannon Huston, Inc.  
7500 Jefferson NE  
Albuquerque, NM 87109

RE: DRAINAGE REPORT FOR RIVERVIEW PARK (D-12/D1D2)  
RECEIVED MAY 6, 1997 FOR WORK ORDER  
ENGINEER'S STAMP DATED ??/??/??

Dear Mr. Topmiller:

Based on the information included in the submittal referenced above, City Hydrology has the following comments:

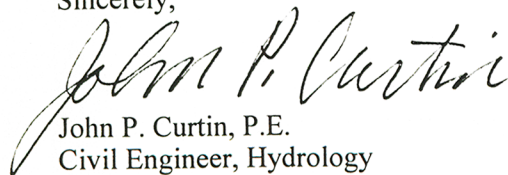
The Drainage Report does not meet the DPM checklist. The Report has not been stamped & dated. The Grading Plan has not been dated. Indicate who prepared the "Riverview Estates Subdivision Drainage Report" and when it was dated. This report should stand on its own. Any information required from the previous report by the checklist should be included in this report.

The description of the detention pond does not agree with City Hydrology's understanding of the pond. This pond was constructed to relieve overloading of the storm drain. The culvert that connects to the storm drain at the manhole is an inlet structure as well as an outlet structure. Most of the volume in the pond comes from the storm drain instead of the park. The overflow spillway is not labeled on the original grading plan.

The contours on the new Grading Plan do not match the contours on the Grading Plan prepared by Joe Kelley dated 6-5-92. The Engineer must verify that the volume provided meets or exceeds the volume specified (5.64 Ac-Ft). It appears that the new plan does not have an overflow spillway.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

  
John P. Curtin, P.E.  
Civil Engineer, Hydrology

c: Andrew Garcia

Good for You, Albuquerque!





**RIVERVIEW PARK  
DRAINAGE/GRADING PLAN  
CORNER OF BUTTERFIELD TRAIL  
AND  
GOLD COURSE ROAD**

**MAY 2, 1997**

BOHANNAN HUSTON

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**PREPARED FOR:**

**CITY OF ALBUQUERQUE  
CAPITAL IMPROVEMENT PROGRAM  
LANDSCAPE ARCHITECTURE  
AND CONSTRUCTION SERVICES SECTION  
P.O. BOX 1293  
ALBUQUERQUE, NM, 87103**

MAY 06 1997

HYDROLOGY SECTION



I. INTRODUCTION

The purpose of this report is to submit a drainage management plan and grading plan for the development of the Riverview Park, located at the intersection of Golf Course Road and Butterfield Trail. The park site is shared with a drainage detention facility.

With this submittal, we are requesting rough grading and DRC work order approval by your office.

II. METHODOLOGIES

Drainage management and analysis is provided within this plan complies with the City of Albuquerque Development Process Manual and the original Riverview Estates Subdivision Drainage Report.

Since this park plan and its site was fully anticipated and addressed in the Riverview Estates Subdivision drainage plan, no additional hydrological calculations are provided herein.


III. EXISTING CONDITIONS

The site today consists of a lightly vegetated, vacant parcel of ground. Mild slopes exist over much of the site except in the vicinity of Golf Course Road and immediately within the detention basin area. Please reference the Existing Topography Map located in the Appendices.

The detention basin is located in the southwest corner of the parcel. The detention facility's 100-year water surface elevation is 5101.25. The facility is the site's only floodplain area.

An outlet structure from the basin to an existing storm drain running along the southern portion of the site exists in the southern portion of the basin. An overflow spillway consisting of a graded earth swale also exits the detention basin in a easterly direction towards Golf Course Road. *Not Labeled on Sheet 25*





This park site was analyzed as a future park site in the Riverview Estates Subdivision Drainage Report (see excerpts of the Drainage Basin Map and Grading Plan in the Appendices). Existing drainage patterns, including 1.2 acres of the site discharging to Golf Course Road directly, appear to roughly match that report.

#### **IV. PROPOSED CONDITIONS**

The proposed park will construct various gravel or asphalt pathways over the site, playground facilities, basketball court, and open grass areas. Please reference the Park Development Plan and the Drainage/Grading Plan located within the Appendix of this report. Grading of the park will be limited to areas outside of the 100-year water surface of the detention facility and will not have a significantly different appearance than existing grades on the site.

The proposed park construction will alter drainage patterns in no significant way. Increased impervious areas are offset by landscaped areas which will have an offsetting impact on changes in storm discharge from the site in its developed condition as opposed to its undeveloped condition.

The majority of the park site will drain directly to the detention basin. Smaller eastern portion of the park will continue to drain to Golf Course Road as in the existing condition and as required by the Riverview Estates Subdivision Drainage Report.

#### **V. CONCLUSION**

With this plan as presented, we are requesting rough grading approval and DRC work order approval of this drainage/grading plan for Riverview Park. Undeveloped drainage conditions and the developed conditions differ insignificantly. Further, the plan fully complies with the previous drainage master plan for this site. Accordingly, no adverse impact from this park development is anticipated.