# **LEGEND**

5031.05 FC PROPOSED SPOT ELEVATION

5031.55 TC

FL = 5031.05 EXISTING SPOT ELEVATION

EXISTING CONTOURS

PROPOSED CONTOURS

## La Cueva Town Centere BIG 5

#### I. PURPOSE AND SCOPE

The purpose of this drainage plan is to present the existing and proposed drainage management plans for the BIG 5 Sporting Goods store at the La Cueva Town Center. The site hase been masterplanned by Tierra West with the grading and drainage plan completed in 1999 and as—builted in April of 2000. The datum of the original grading and drainage plan and the survey completed are different and the change is approximately 2.6.\*

#### II. SITE DESCRIPTION AND HISTORY

This site is almost completely developed per the approved Site Development Plan. There are a few outlots that still remain as well as the portion of the site to be developed as the Big 5 Sporting Goods Store. The previous grading and drainage plan showed a much larger store than the proposed 10,000 retail store. A portion of the prior building pad will still be available for a future building to the east of the proposed development.

### III. COMPUTATIONAL PROCEDURES

Hydrologic analysis was performed utilizing the design criteria found in the COA-DPM Section 22.2 released in June 1997.

#### IV. PRECIPITATION

The 100-yr. 6-hr duration storm was used as the design storm for this analysis. This site is within Zone 2 as identified in the DPM Section 22.2. Tables within the section were used to establish the 6-hr precipitation, excess precipitation and peak discharge.

#### V. EXISTING DRAINAGE CONDITIONS OVERVIEW

There is an approved Grading and Drainage Plan with information regarding the as—built conditions that was prepared by Tierra West in April of 2000. This plan shows an approximately 27,000 square foot building in the location of the proposed retail store. The site was designed to have a small swale in the driving lane on the south side of the building to convey and collect any runoff on the south side. A series of catch basins would then collect the runoff. It was then piped to the west via an '8" storm drain pipe. The final outlet of this collection system was into the ROW at Wyoming Boulevard N.E. and Paseo Del Norte.

The runoff from the northern part of the proposed development was designed to convey storm water along the back sides of

### VI. DRAINAGE MANAGEMENT PLAN

access road from Carmel Avenue N.E..

The proposed development consists of a new 10,000 sf retail store for Big 5, a small parking/delivery area on the north side, as well as new sidewalks to connect to the existing roadways on the south side.

the buildings to a sump condition catch basin located on the

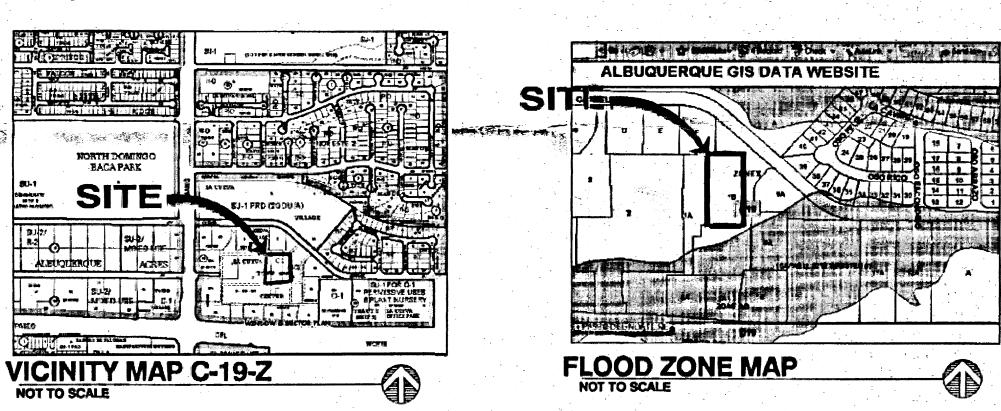
The previously approved grading and drainage plan was designed for a building approximately 27,000sf. Because this building does not cover the entire available retail pad it should be anticipated that another building will be constructed on the remaining vacant portion.

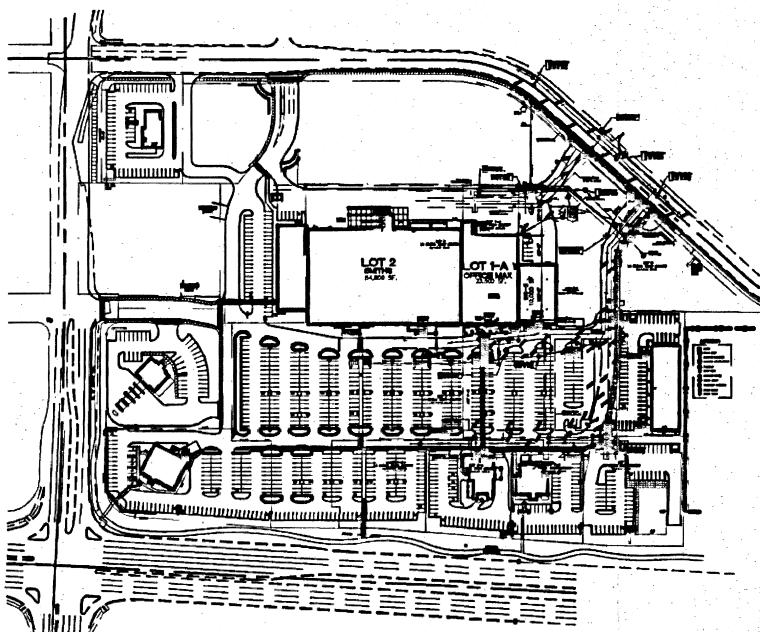
Because the site has been designed and approved for a larger facility, it is not necessary to check the downstream capacity of the storm drainage improvements. This development will generate less runoff than was masterplanned.

#### VII. CONCLUSIONS

The project is an infill project into a almow fully developed shopping center. A larger building ws masterplanned for this site and the Big 5 retail store will generate less runoff than was expected when the site was masterplanned.

The proposed development should not have any adverse affects to downstream strom drainage improvements.

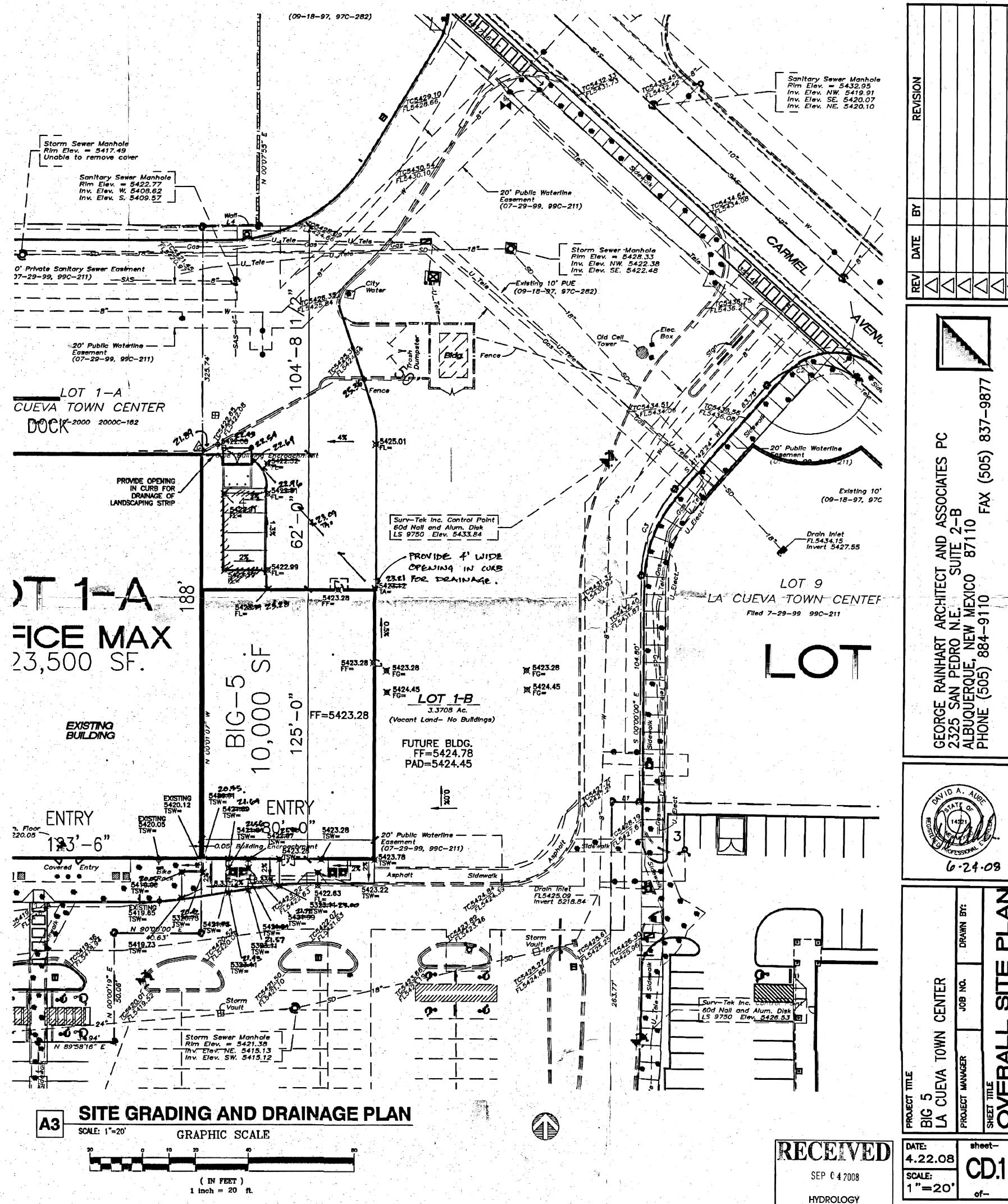




# Drainage Certification

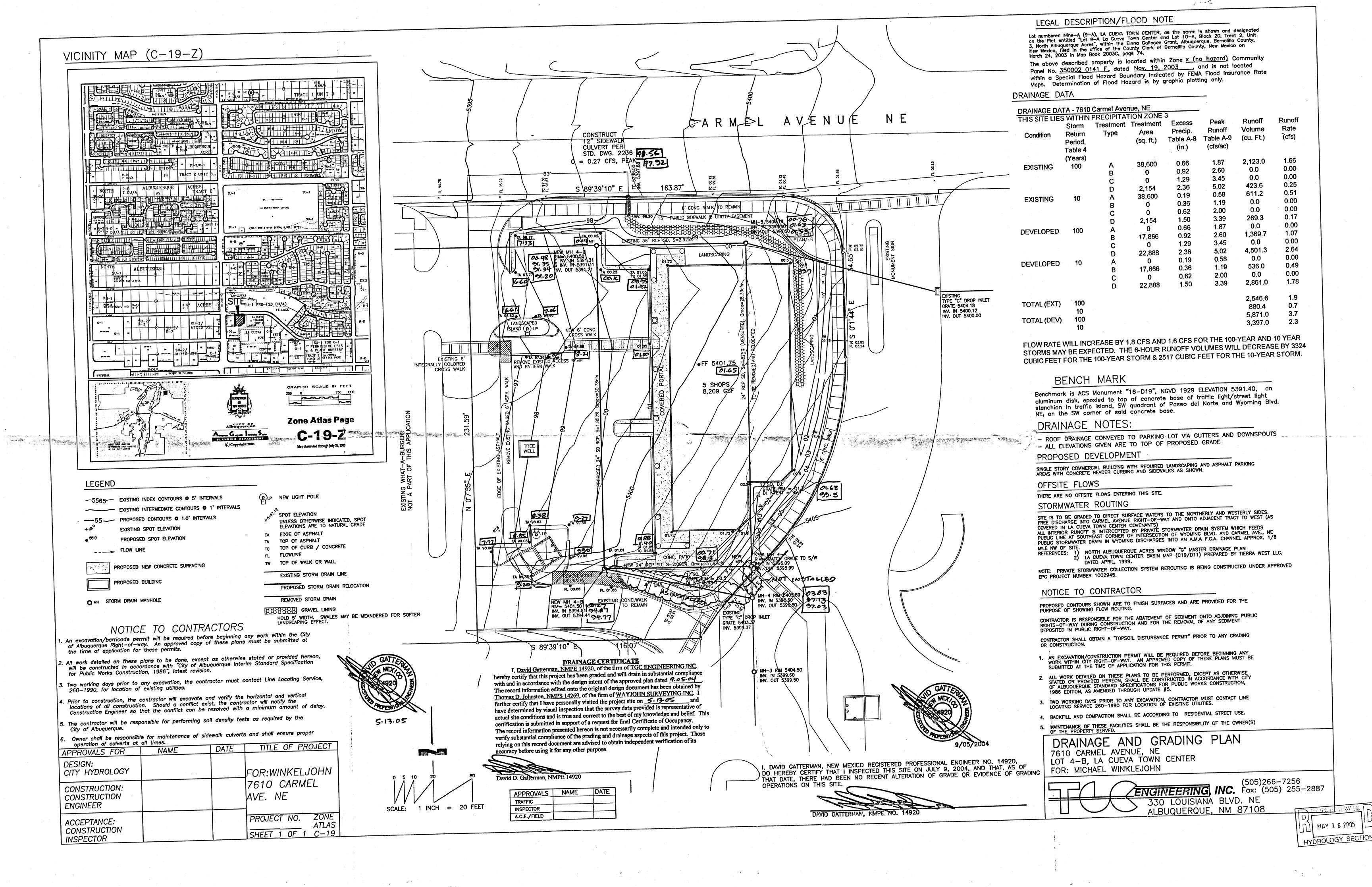
I, David A Aube. NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc, hereby certify that this project is in substantial compliance with and in accordance with the design intent of the Grading and Drainage plan approved plan dated 6-24-08. The record information that has been edited onto the original design documents when obtained by Steve Walker PS #6401 on 8-29-08. I further certify that I have personally visited the project site on 9-2-08 and have determined by visual inspection that the actual site conditions shown on this plan to be true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the drainage aspects of this project. Those relying on the record documents are advised to obtain independent verification of its accuracy before using it for any other purpose.



OVERALL SITE GRADING AND DRAINAGE PLAN

SCALE: 1"=200'



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