# CITY OF ALBUQUERQUE

September 17, 2012

Fred C. Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe St. NE Albuquerque, NM 87108

Re: Paradise Bakery

**Grading and Drainage Plan** 

Engineer's Stamp dated 8-29-12 (A14/D006)

Dear Mr. Arfman,

RER/SB C: File

Based upon the information provided in your submittal received 9-4-12, the above referenced plan is approved for Grading Permit and Building Permit. Hydrology is requesting that all proposed landscape areas are depressed to retain/infiltrate the moisture that falls on them.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

PO Box 1293

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

Albuquerque

NM 87103

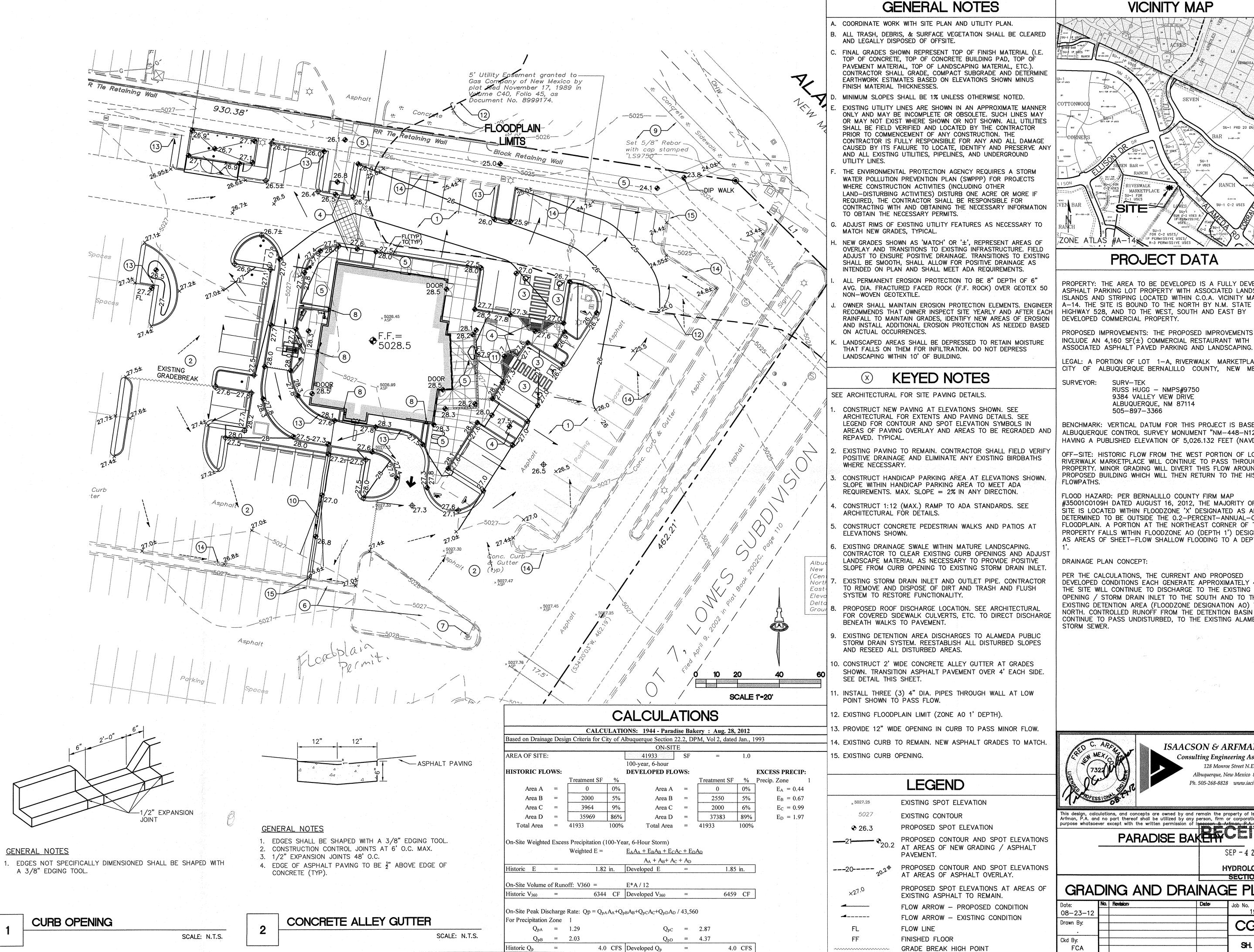
www.cabq.gov

Singerely

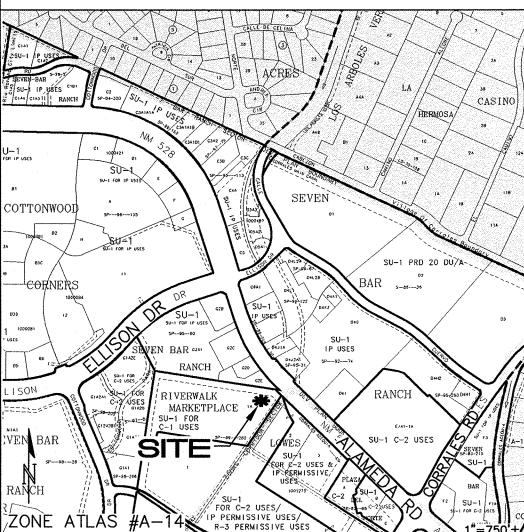
Shahab Biazar, P.E., CFM.

Senior Engineer, Planning Dept.

Development and Building Services



**VICINITY MAP** 



### PROJECT DATA

PROPERTY: THE AREA TO BE DEVELOPED IS A FULLY DEVELOPED ASPHALT PARKING LOT PROPERTY WITH ASSOCIATED LANDSCAPED ISLANDS AND STRIPING LOCATED WITHIN C.O.A. VICINITY MAP DEVELOPED COMMERCIAL PROPERTY.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE AN 4,160 SF(±) COMMERCIAL RESTAURANT WITH ASSOCIATED ASPHALT PAVED PARKING AND LANDSCAPING.

LEGAL: A PORTION OF LOT 1-A, RIVERWALK MARKETPLACE, CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

SURVEYOR: SURV-TEK

RUSS HUGG - NMPS#9750 9384 VALLEY VIEW DRIVE ALBUQUERQUE, NM 87114 505-897-3366

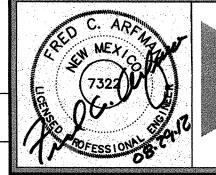
BENCHMARK: VERTICAL DATUM FOR THIS PROJECT IS BASED UPON ALBUQUERQUE CONTROL SURVEY MONUMENT "NM-448-N12", HAVING A PUBLISHED ELEVATION OF 5,026.132 FEET (NAVD 1988).

OFF-SITE: HISTORIC FLOW FROM THE WEST PORTION OF LOT-1, RIVERWALK MARKETPLACE WILL CONTINUE TO PASS THROUGH THIS PROPERTY. MINOR GRADING WILL DIVERT THIS FLOW AROUND THE PROPOSED BUILDING WHICH WILL THEN RETURN TO THE HISTORIC

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0109H DATED AUGUST 16, 2012, THE MAJORITY OF THE SITE IS LOCATED WITHIN FLOODZONE 'X' DESIGNATED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2-PERCENT-ANNUAL-CHANCE FLOODPLAIN. A PORTION AT THE NORTHEAST CORNER OF THE PROPERTY FALLS WITHIN FLOODZONE AO (DEPTH 1') DESIGNATED AS AREAS OF SHEET-FLOW SHALLOW FLOODING TO A DEPTH OF

#### DRAINAGE PLAN CONCEPT:

PER THE CALCULATIONS, THE CURRENT AND PROPOSED DEVELOPED CONDITIONS EACH GENERATE APPROXIMATELY 4.0 CFS. THE SITE WILL CONTINUE TO DISCHARGE TO THE EXISTING CURB OPENING / STORM DRAIN INLET TO THE SOUTH AND TO THE EXISTING DETENTION AREA (FLOODZONE DESIGNATION AO) TO THE NORTH. CONTROLLED RUNOFF FROM THE DETENTION BASÍN WILL CONTINUE TO PASS UNDISTURBED, TO THE EXISTING ALAMEDA STORM SEWER.



ISAACSON & ARFMAN, P.A. Consulting Engineering Associates 128 Monroe Street N.E. Albuquerque, New Mexico 87108 Ph. 505-268-8828 www.iacivil.com

This design, calculations, and concepts are owned by and remain the property of Isaacson & Arfman, P.A. and no part thereof shall be utilized by any person, firm or corporation for any

### PARADISE BAKERY urpose whatsoever except with the written permission of SEP - 4 2012 **HYDROLOGY**

## GRADING AND DRAINAGE PLAN

08-23-12	1944
Drawn By:	CG-101
•	<u> </u>
Ckd By: FCA	SH. OF