City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 13, 2001

Shahab Biazar, P.E.
Advanced Engineering & Consulting
10205 Snowflake Ct NW
Albuquerque, New Mexico 87114

RE: COPELANDS RESTAURANT PHASE 1 (B-14/D9)
(10051 Coors Blvd NW)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 1/9/2001
ENGINEERS CERTIFICATION DATED 11/7/2001

Dear Mr. Biazar:

Based upon the information provided in your Engineers Certification submittal dated 11/9/2001, the above referenced site is approved for Permanent Certificate of Occupancy Phases 1 only. Engineers Certification is still required prior to issuance of Certificate of Occupancy for Phase 2 regarding this site.

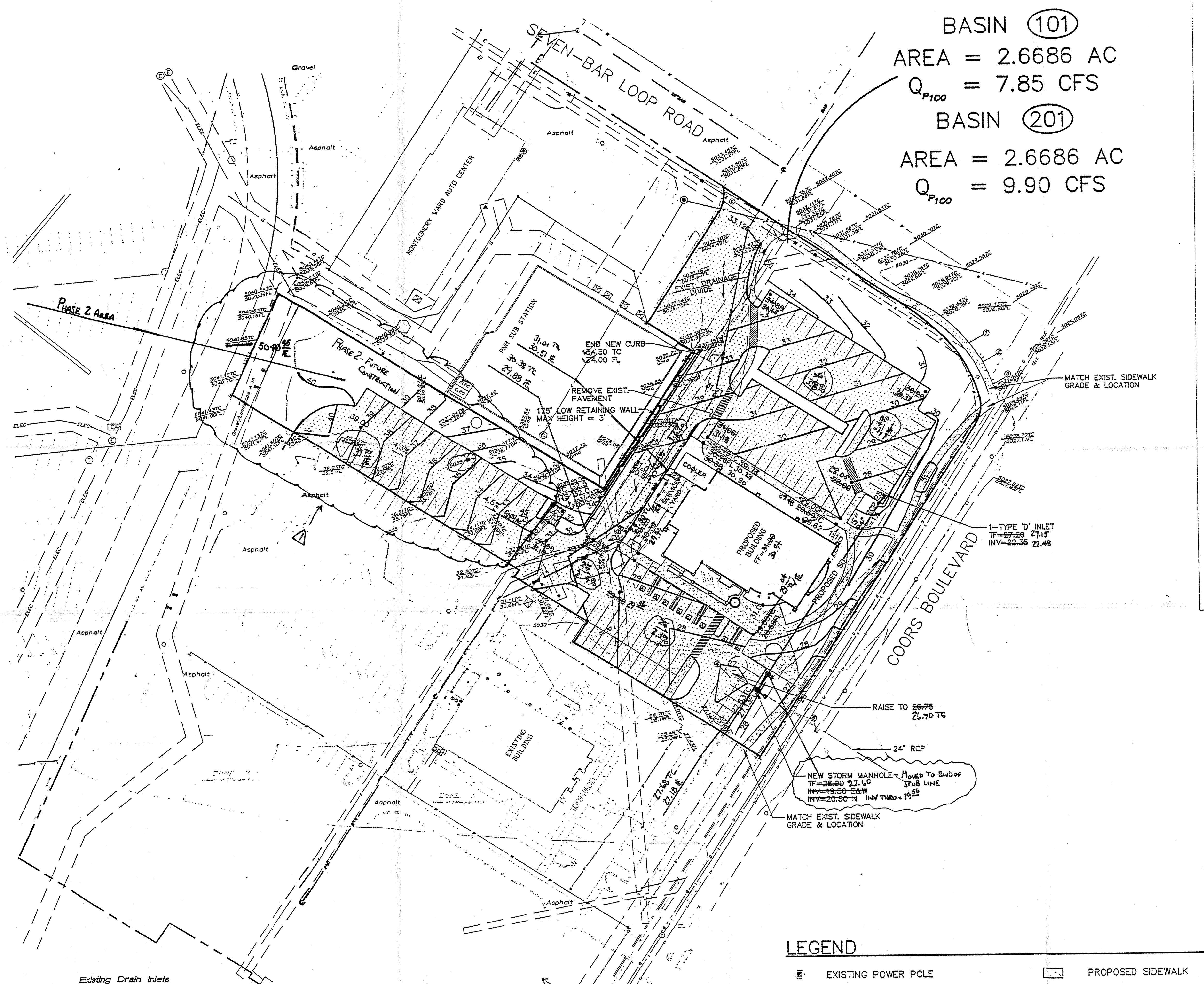
If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin

Teresa A. Martin
Hydrology Plan Checker
Public Works Department
BLB

C: Vickie Chavez, COA
approval file
drainage file



Existing Drain Inlets

- 5028.00 TC / 5025.16 Inv. FL
- 5026.72 TC / 5025.26 Inv. FL
- 5026.33 TC / 5024.03 Inv. FL
- 5026.31 Top Grate / 5020.92 Inv. FL
- 5022.13 Top Grate / 5016.65 Inv. FL / 5016.43 Inv. FL

DRAINAGE REPORT

Site Location: The site is located on the northwest corner of Seven-Bar Loop Road and Coors Boulevard NW, more particularly described as Tract 12B, Questa Del Rio, Albuquerque, New Mexico.

Methodology: Section 22.2 Part A of the City of Albuquerque DPM was employed in the analysis for peak rate discharge and volumetric runoff. The 100-year frequency, 6-hour event design storm was applied. The site is located in Zone 1.

Existing Conditions: The total area of the property is 2.6686 acres. The terrain is uncompacted soil with native vegetation. The site slopes from north to south with varying slopes ranging from 3% to 13% grades. Flows are conveyed via a catch basin located in the southern corner of lot 12B, this catch basin drains into a 24" RCP culvert that connects to a catch basin located on Coors Boulevard NW. This system connects to a 60" RCP culvert that crosses under Coors Boulevard NW. Table 1 provides a breakdown of existing land treatments, volumetric runoff, and peak discharge.

Table 1: Existing Conditions

		Treatment					
Basin	Area (ac)	%A	%B	%C	%D	V_{360} (ac-ft)	Q_P (cfs)
101	2.6686	0	0	95.26	4.74	0.2304	7.85

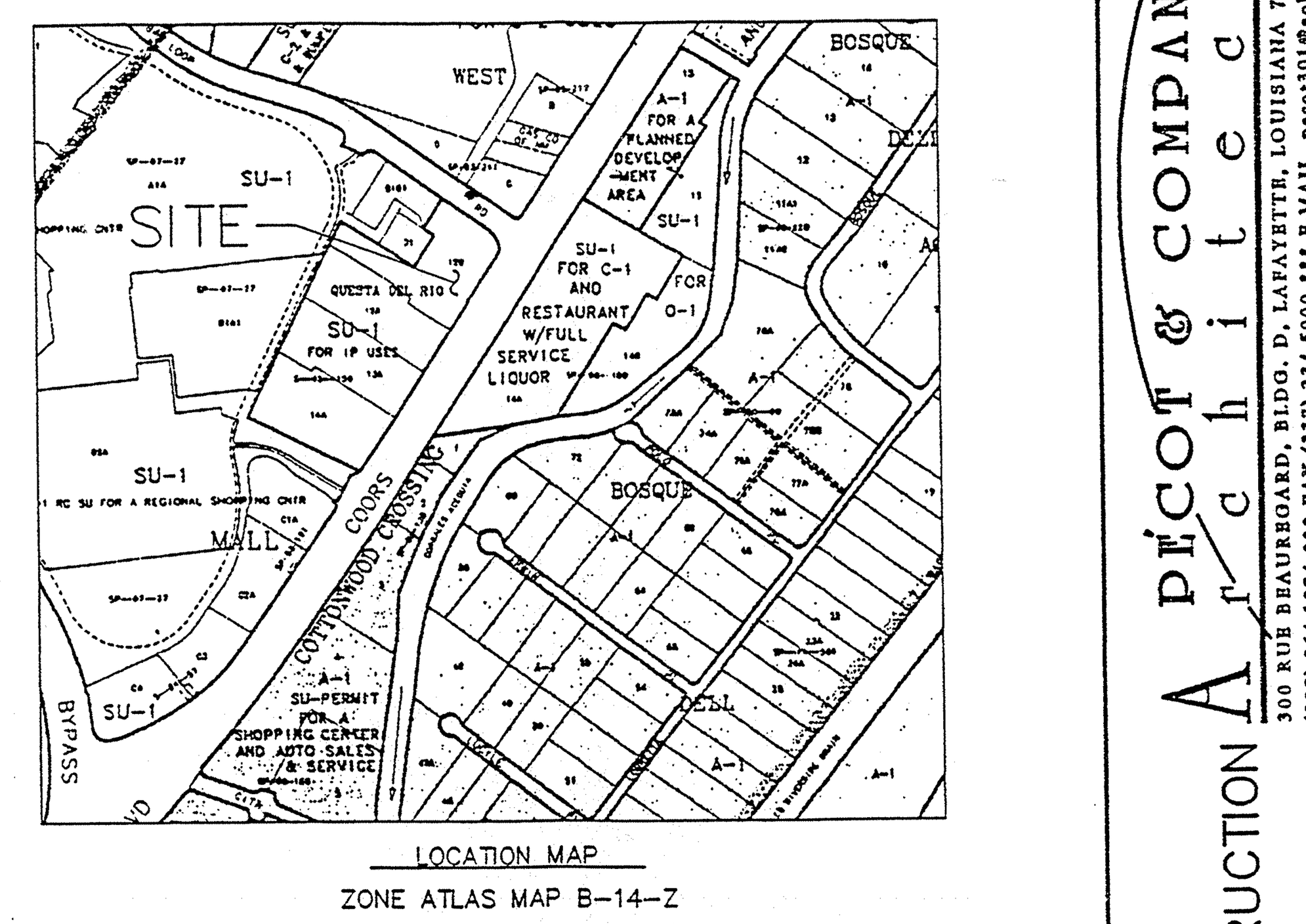
Proposed Conditions: The site will be developed into a restaurant. The proposed site improvements will not alter the existing basin boundary, thereafter named Basin 210. The proposed restaurant will feature approximately 10,620 FT^2 of floor space, 72,263 FT^2 of paving, and the remaining area for landscaping and bare grading.

Proposed total development of the site will comprise of approximately 72% impervious land type. Table 2 provides a breakdown of proposed land treatments, volumetric runoff, and peak discharge.

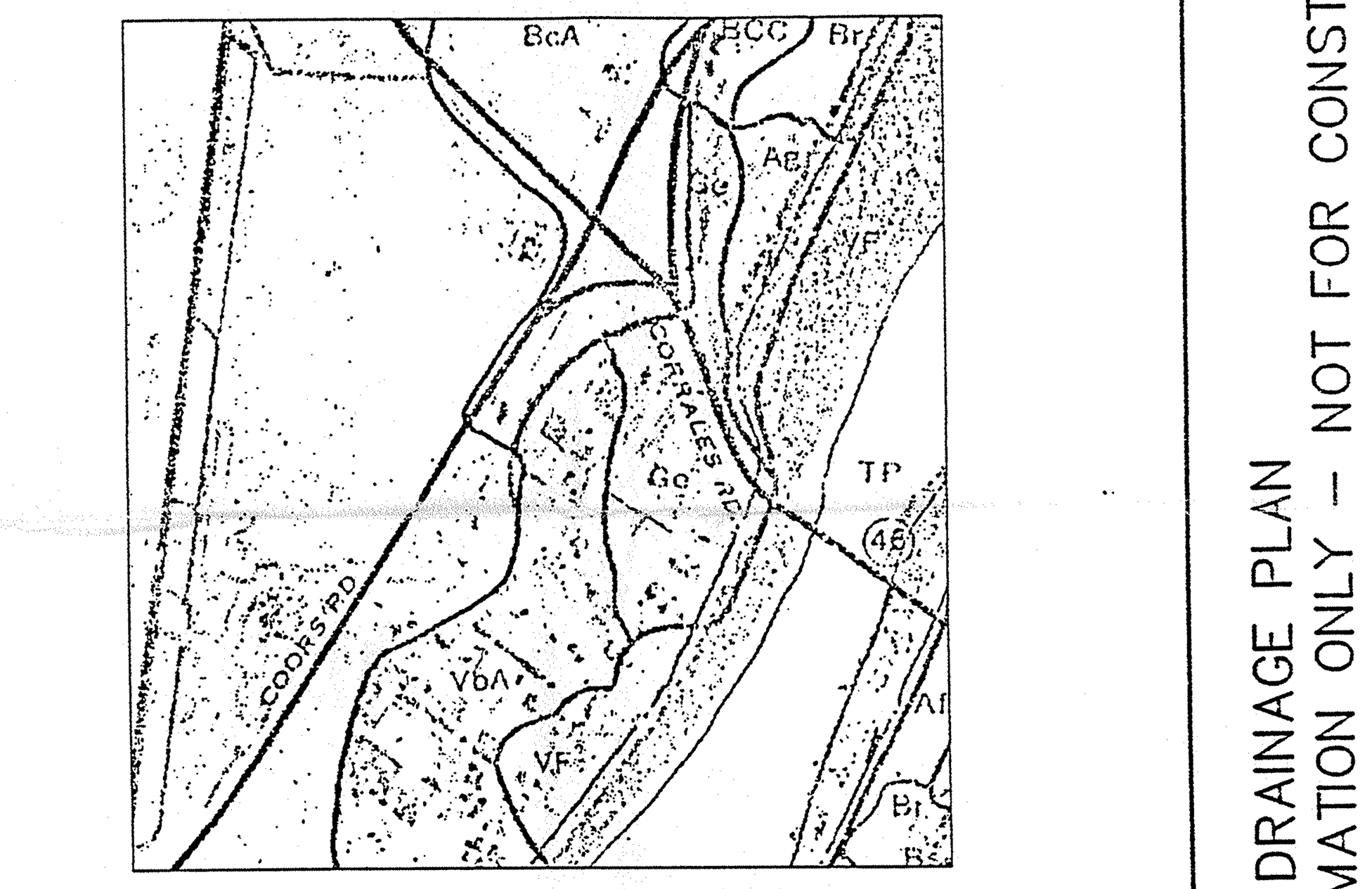
Table 2: Proposed Conditions

		Treatment					
Basin	Area (ac)	%A	%B	%C	%D	V_{360} (ac-ft)	Q_P (cfs)
201	2.6686	0	28.24	0	71.76	0.3565	9.90

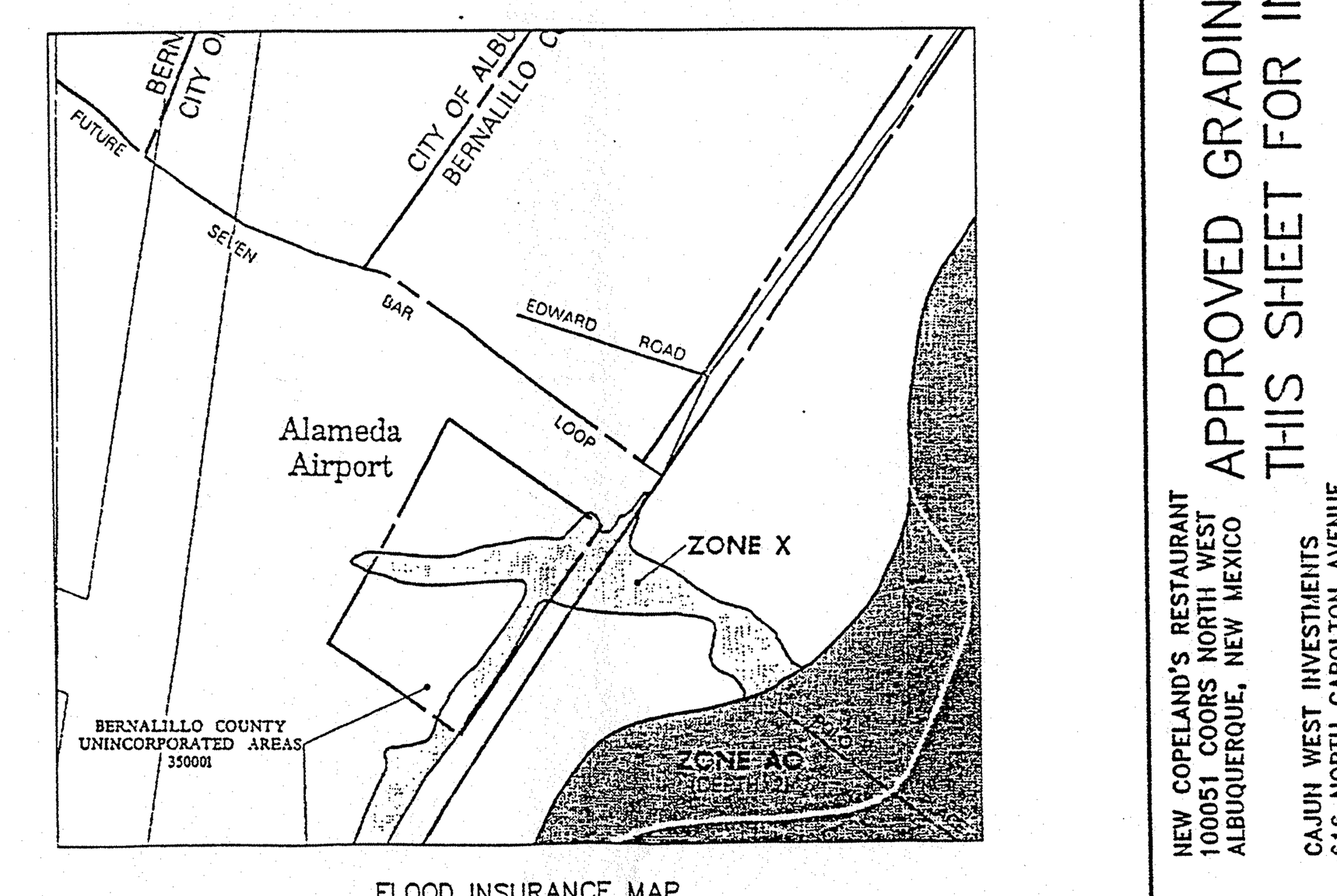
Conclusions: Existing site conditions yield a peak volumetric runoff of 0.2304 acre-ft., which is discharged into an existing underground storm drain. Proposed improvements will increase total volumetric runoff to 0.3565 acre-ft. The existing 24" RCP Culvert is more than adequate for the increased amount of flow that will be produced from developing this site.



LOCATION MAP
ZONE ATLAS MAP B-14-Z



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 10



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY PANEL 109

RECEIVED NOV 0 9 2001 HYDROLOGY SECTION

LEGEND

Symbol	Description
	EXISTING POWER POLE
	EXISTING SEWER CLEANOUT
	EXISTING CONCRETE AREA
	EXISTING PLANTED AREA
	EXISTING CONCRETE CURB & GUTTER
	EXISTING HANDICAPPED PARKING
	EXISTING UTILITY PEDESTAL
	EXISTING TRAFFIC CONTROL BOX
	EXISTING WATER METER
	EXISTING DIRT AREA
	EXISTING TRANSFORMER
	EXISTING GAS METER/VALVE
	EXISTING HYDRANT
	EXISTING WHEELCHAIR RAMP
	EXISTING WATER VALVE
	EXISTING WATER MANHOLE
	EXISTING TELEPHONE MANHOLE
	EXISTING TELEPHONE PEDESTAL
	EXISTING ROOF DRAIN
	EXISTING ELECTRIC PANEL
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING 12" WATER LINE
	EXISTING TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING GAS LINE
	EXISTING CABLE TELEVISION
	EXISTING LIGHT
	EXISTING FENCE
	EXISTING UTILITY EASEMENT
	EXISTING SPOT ELEVATION
	PHASE 2 - FUTURE CONSTRUCTION
	PROPOSED SIDEWALK
	PROPOSED ASPHALT
201 BASIN	PROPOSED BASIN DESIGNATION
	PROPOSED FLOW ARROW
32.50	PROPOSED SPOT ELEVATION
	DRAINAGE BASIN BOUNDARY
	PROPOSED STORM MANHOLE
TC	TOP OF CURB ELEVATION
FL	FLOWLINE ELEVATION
FF	FINISH FLOOR ELEVATION

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

I certify that the grades shown on the plans have been built in substantial compliance with approved grading and drainage plan dated ______. Survey information was supplied by Advanced Eng. & Consulting, LLC in accordance with normal engineering practices.

Shahab Biazar

SHAHAB BIAZAR NEW MEXICO #13479 REGISTERED PROFESSIONAL ENGINEER

EASTERLING & ASSOCIATES
A DIVISION OF WILSON & COMPANY
2600 AMERICAN ROAD S.E. SUITE 100
ALBUQUERQUE, NEW MEXICO 87124
(505) 898-8021

BENCH MARK
NM-448-N12 CENTRAL ZONE (NAD 27)
Y = 1,528,910.94'
X = 381,108.54'
ELEV = 5,023.41' (SLD 1929)

LEGAL
TOWN OF ALAMEDA GRANT, SECTION 8, TOWNSHIP 11 NORTH, RANGE 3 EAST, NM PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NM, LOTS 12-B, QUESTA DEL RIO.

01-09-01
ENGINEERS SEAL

REVISIONS: NO. | DATE | DESCRIPTION

Zone Map No. B-14-Z
SHEET NUMBER: C-1
DATE: 1/10/01

PROJECT: NEW COPELAND'S RESTAURANT, 100051 COORS NORTH WEST, ALBUQUERQUE, NEW MEXICO
OWNER: CAJUN WEST INVESTMENTS, 616 NORTH CAROLTON AVENUE, NEW ORLEANS, LOUISIANA 70119

APPROVED GRADING & DRAINAGE PLAN
THIS SHEET FOR INFORMATION ONLY - NOT FOR CONSTRUCTION

PECOT & COMPANY Architect
300 RUE BEAUREGARD, BLDG. D, LAFAYETTE, LOUISIANA 70508

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B14-D9 1/2