



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 8, 1994

Elvidio Diniz
R.T.I.
2129 Osuna Rd. NE Suite 200
Albuquerque, NM 87113

RE: REVISED ENGINEER CERTIFICATION FOR PROPOSED MOTEL @ HOTEL CIRCLE
(K21-D16F) CERTIFICATION STATEMENT DATED 3/2/94.

Dear Mr. Diniz:

Based on the information provided on your March 3, 1994 resubmittal, the above referenced site is acceptable for Engineer Certification.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl/WPHYD/3670

c: Andrew Garcia
File



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 8, 1992

Elvidio Diniz
Resource Technology, Inc.
2129 Osuna Road NE Suite 200
Albuquerque, NM 87113

RE: REVISED DRAINAGE PLAN FOR PROPOSED MOTEL @ HOTEL CIRCLE (K21-D16F)
REVISION DATED 9/25/92.

Dear Mr. Diniz:

Based on the information provided on your September 29, 1992 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required.

If I can be of further assistance, please feel free to contact me at 768-2667.

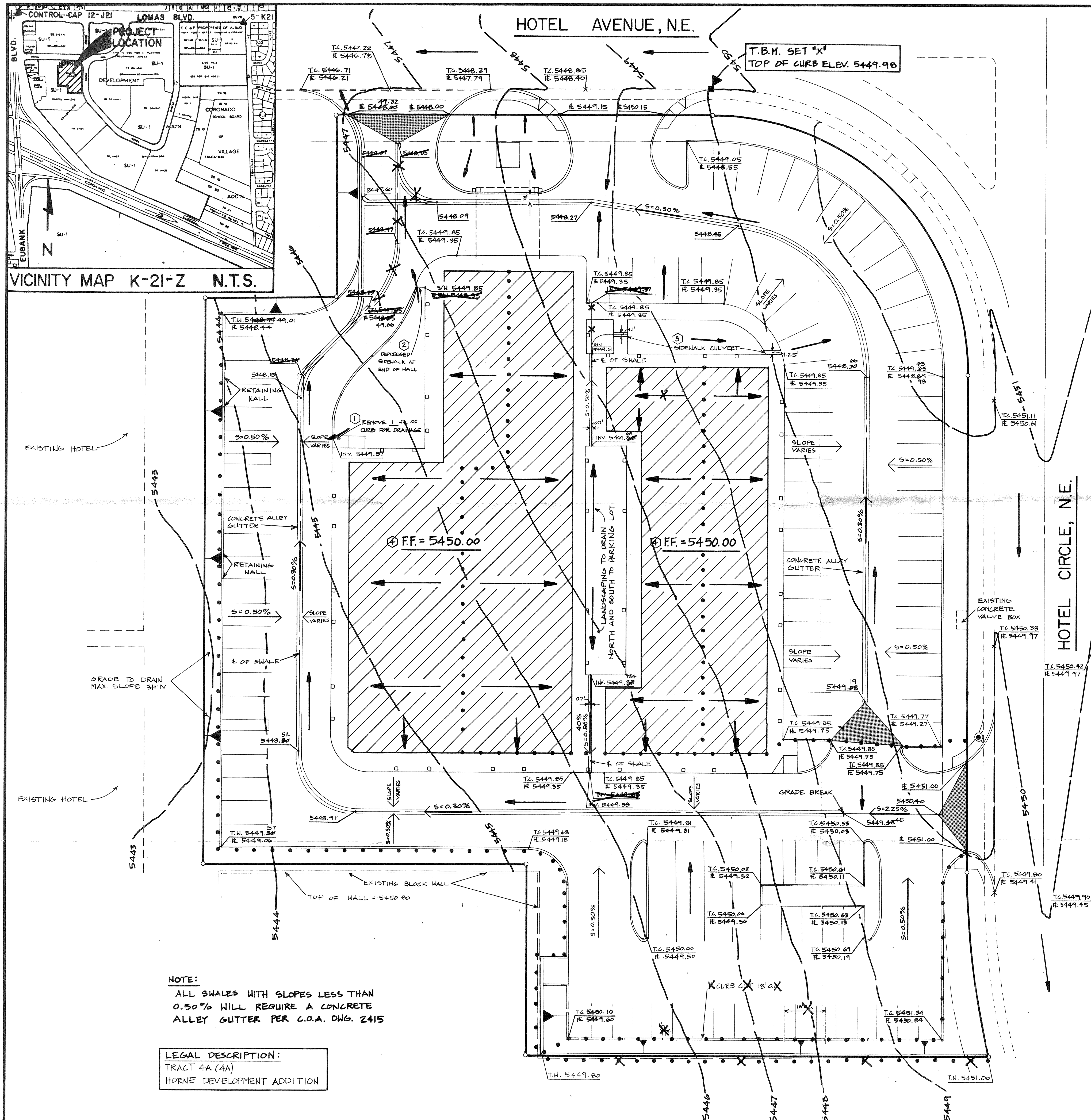
Sincerely,

Bernie J. Montoya
Bernie J. Montoya, CE
Engineering Assistant

BJM/dl/WPHYD/3670

xc: Alan Martinez
File

PUBLIC WORKS DEPARTMENT



LEGEND	
	PROPOSED BUILDING
	TRANSITION AREA
	FLOW DIRECTION
	EXISTING ELEVATION
	PROPOSED ELEVATION
	PHASE BOUNDARY
	EXISTING CONTOURS
	DRAINAGE DIVIDE
	SLOPE INDICATOR
	DOWN SPOUT AS-BUILT
	AS-BUILT ELEVATION
	AS-BUILT NOTE

GENERAL NOTES

Site Description:

Present - The project site is currently undeveloped with growth of native grasses, and slopes to the southwest corner with approximately 8 feet of relief across its extent.

Proposed - The project site will be developed for two motel buildings with landscaping and asphalt parking. Proposed design will allow on-site run-off to discharge freely into Hotel Avenue via swales in the parking lot.

Flood Hazard Zone: Zone C

Soil Type : Type B - Tijeras - Soil Group "B"

Drainage Area : Rectangular shaped lot consisting of 93,731 sq.ft. = 2.15 acres.

Off-Site Drainage : None

HYDROLOGY

Precipitation Zone 4 (DPM Figure A)

Six Hour Rainfall Depth from NOAA Atlas 2, Volume IV:
10-Year = 1.93 inches
100-Year = 2.90 inches

Peak Rainfall Intensity:
10-Year = 3.83 inches/hour
100-Year = 5.61 inches/hour

Land Treatments : Total Tract Area = 2.15 Ac

Existing Conditions - Land Treatment A = 100 % = 2.15 acres (Total Tract)
(0 to 10 percent slopes)

Developed Conditions - Land Treatment B = 10 % = 0.22 acres (Total Tract) (Landscaping)
Land Treatment D = 90 % = 1.93 acres (Buildings and Parking)

Excess Precipitation (DPM Table 8)

	10-yr. (in.)	100-yr. (in.)
Zone 4 Land Treatment A	0.28	0.80
Zone 4 Land Treatment B	0.46	1.08
Zone 4 Land Treatment D	1.69	2.64

Peak Discharge per Land Treatment (DPM Table 9)

Existing Conditions:
10-Year = Land Treatment A = 0.87 cfs/acre
100-Year = Land Treatment A = 2.20 cfs/acre

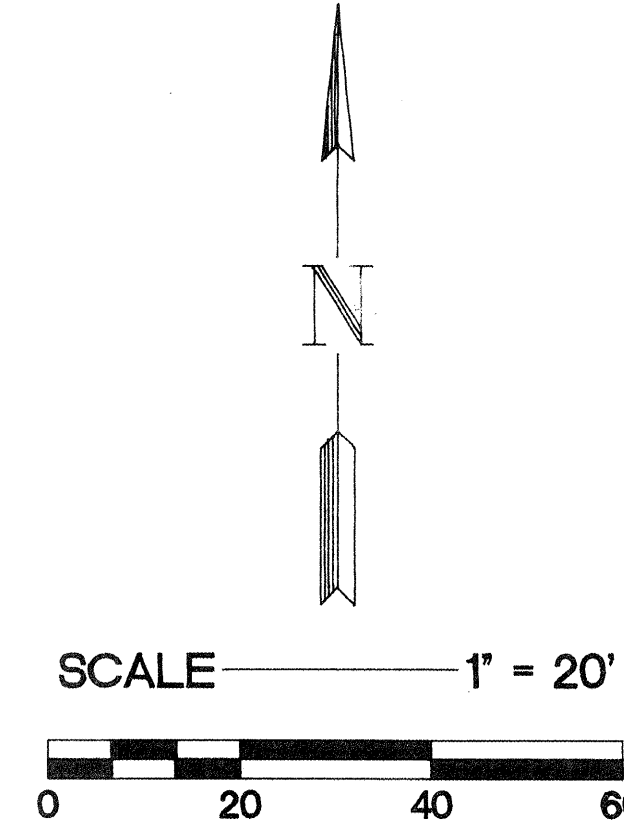
Developed Conditions:
10-Year = Land Treatment B = 1.45 cfs/acre
Land Treatment D = 3.57 cfs/acre
100-Year = Land Treatment B = 2.92 cfs/acre
Land Treatment D = 5.25 cfs/acre

Results		Existing Conditions	Developed Conditions
Run-off Volume (cu ft)	10-Year	2,185	12,230
	100-Year	6,244	19,386
Peak Discharge (cfs)	10-Year	1.9	7.2
	100-Year	4.7	10.8

CONTROL STATION DATA:
T.B.M. TIED TO ACS 5-K21, 1979
SPIRIT LEVEL ELEVATION (1929)
= 5498.83 ; 2ND ORDER
LOCATED ON THE INTERSECTION OF
TOMASITA AND LOMAS

NOTE:
ALL SWALES WITH SLOPES LESS THAN 0.50% WILL REQUIRE A CONCRETE ALLEY GUTTER PER C.O.A. DWG. 2415

LEGAL DESCRIPTION:
TRACT 4A (4A)
HORNE DEVELOPMENT ADDITION



Elvidio V. Diniz
3/12/92
3/25/92

RECEIVED
MAR - 3 1994
ENGINEERING DIVISION

NO.	DATE	REVISIONS	BY	CHKD
3	9/92	REVISED CURB RADIUS & C.O.A. COMMENTS	G.C.	
2	8/92	REVISED SITE PLAN	G.C.	
1	5/92	REVISED SITE PLAN	G.C.	

PROPOSED MOTEL
HOTEL CIRCLE

GRADING and DRAINAGE PLAN

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2129 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345-3115

JOB NO.
92 - 020

SHEET NO.
2 of 4

DESIGNED BY: **GC** DRAWN BY: **GC, BG** CHECKED BY: **ED** DATE: **JUNE 1992**