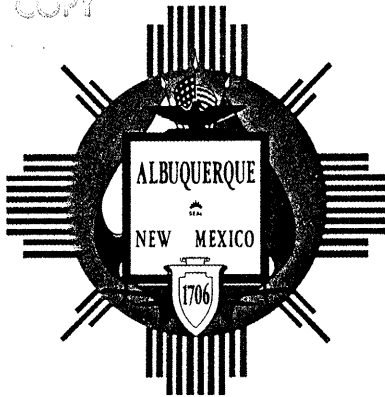


FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103



KEN SCHULTZ
MAYOR

May 18, 1989

Elvidio Diniz, P.E.
Resource Technology, Inc.
2129 Osuna Road, NE Suite 2A
Albuquerque, New Mexico 87113

RE: REVISED DRAINAGE PLAN FOR LOT 13 OF RICHFIELD INDUSTRIAL PARK
(C-17/D2A5) REVISION DATED MAY 15, 1989

Dear Mr. Diniz:

Based on the information provided on your resubmittal of May 15, 1989,
the above referenced plan is approved for Building Permit.

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

If I can be of further assistance, please feel free to call me at
768-2650.

Cordially,

Bernie J. Montoya
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1096)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: RICHFIELD INDUSTRIAL PARK, LOT 13 ZONE ATLAS/DRAINAGE FILE # C-17/02AS

LEGAL DESCRIPTION: LOT 13 RICHFIELD INDUSTRIAL PARK

CITY ADDRESS: _____

ENGINEERING FIRM: RESOURCE TECHNOLOGY INC CONTACT: RAY GOMER

ADDRESS: 2129 OSUNA RD. NE, SUITE 2A PHONE: 345-3115

ADDRESS: ALB., NM 87113

OWNER: BILL MARTIN CONTACT: BILL MARTIN

ADDRESS: _____ PHONE: 345-2912

ARCHITECT: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

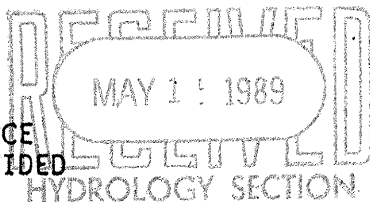
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

____ YES

☒ NO

____ COPY OF CONFERENCE
RECAP SHEET PROVIDED



DRB NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT

☒ DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAIN PLAN

☒ GRADING PLAN

____ EROSION CONTROL PLAN

____ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

____ SECTOR PLAN APPROVAL

____ SKETCH PLAT APPROVAL

____ PRELIMINARY PLAT APPROVAL

____ SITE DEVELOPMENT PLAN APPROVAL

____ FINAL PLAT APPROVAL

☒ BUILDING PERMIT APPROVAL

____ FOUNDATION PERMIT APPROVAL

____ CERTIFICATE OF OCCUPANCY
APPROVAL

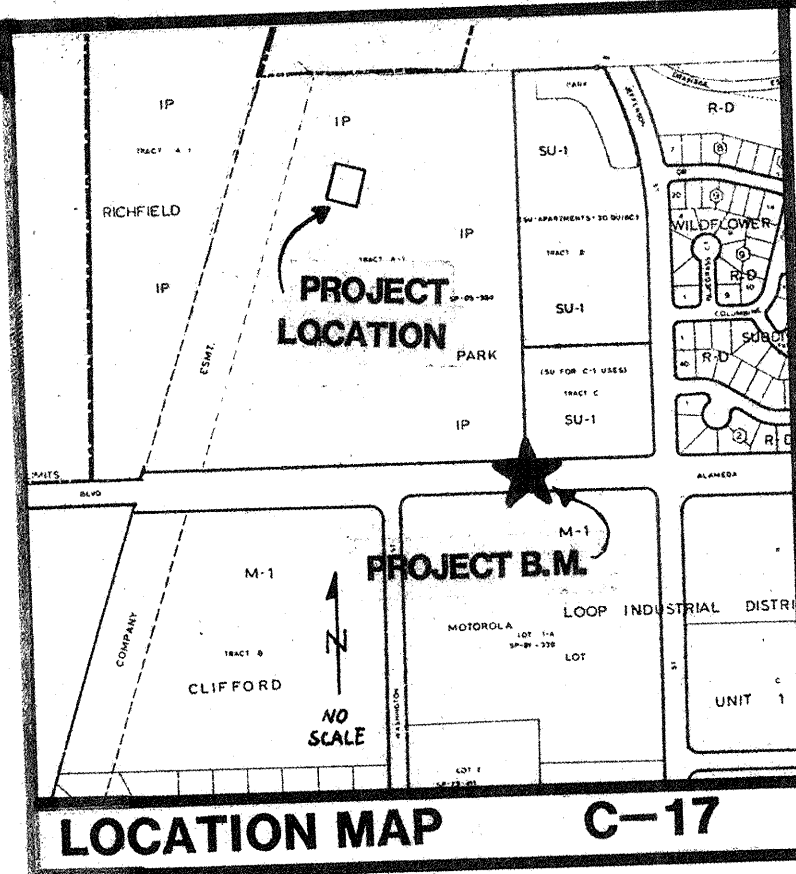
____ ROUGH GRADING PERMIT APPROVAL

☒ GRADING/PAVING PERMIT APPROVAL

____ OTHER _____ (SPECIFY)

DATE SUBMITTED: MAY 15, 1989

BY: RAY GOMER



LEGAL DESCRIPTION: LOT 13, RICHFIELD PARK SUBDIVISION

LEGEND	
	PROPOSED BUILDING
	EXISTING SPOT ELEVATION
	TRANSITION AREA
	FLOW DIRECTION
	NEW SPOT ELEVATION
	DRAINAGE DIVIDE
	HEADER CURB
	EXISTING CONTOUR

SITE DESCRIPTION
 Present - The site, Lot 13, is currently undeveloped and overgrown with natural vegetation, with a general slope from East to West. Washington Street is a paved street with curb and gutters along the west side of this lot.
 Proposed - Proposed design will allow on-site run-off to discharge freely into Washington Street via swales in the parking lot.

FLOOD HAZARD ZONE - Zone C

SOIL TYPE Embudo gravelly fine sandy loam (EmB)
 Hydrologic Soil Group B

DRAINAGE AREA Rectangular shaped lot consisting of 21,750 s.f.

OFF-SITE DRAINAGE Off-site flows accepted through this site until surrounding lots are developed.
 Off-site Area = 21,750 s.f.

HYDROLOGY

TIME OF CONCENTRATION (Tc)
 Length = 227 ft.
 Slope = 1.67 %
 Tc = 2.46 min.
 V = 1.54 ft./sec.
 Adjusted V = 0.80 ft./sec.
 Adjusted Tc = 4.73 min.
 Assume Tc = 10 min.

Six Hour Rainfall Depth from NOAA Atlas 2, Vol. IV
 10 Year = 1.5 in.
 100 Year = 2.3 in.

Peak Rainfall Intensity
 10 Year = 3.26 in./yr.
 100 year = 4.99 in./yr.

Run-off Coefficients - "C" in Rational Formula)
 Existing Undeveloped = 21,750 s.f.; C = 0.40
 Proposed Roofs = 5,555 s.f.; C = 0.90
 Proposed Streets, Drives and Walks = 14,817 s.f.; C = 0.95
 Proposed Lawns and Landscaping = 1,378 s.f.; C = 0.25
 Proposed Condition Weighted = 21,750 s.f.; C = 0.89

Run-off Curve Number (CN)
 Existing Condition Imperviousness = 10 %
 Existing Condition CN = 70
 Proposed Condition Imperviousness = 94 %
 Proposed Condition CN = 92

	RESULTS (On-Site)		
	Return Period	Existing Condition	Proposed Condition
Run-off Volume	10 Year	181 c.f.	1450 c.f.
	100 Year	725 c.f.	2538 c.f.
Run-off Rates	10 Year	0.7 c.f.s.	1.5 c.f.s.
	100 Year	1.0 c.f.s.	2.2 c.f.s.

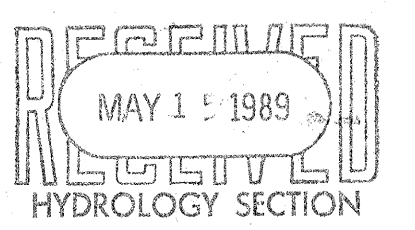
NOTE: Off-Site results are the same as On-Site results.

PROJECT B.M.: LOCATED ON MEDIAN OF ALAMEDA ST. (B C17)
 ELEV. 5111.03

LOT 25

HYDROLOGY SURVEY
 Survey Date: 10-20-87
 Hydrology Book No./Page No. 29-1 pg 4/8
 Surveyed by: A. Garcia

Handwritten signature and date:
 5/15/89
 Rev. 5/15/89



DESIGNED BY: R.G.	RICHFIELD INDUSTRIAL PARK LOT 13 GRADING and DRAINAGE PLAN
DRAWN BY: B.G.	
CHECKED BY: E.D.	
DATE: MAR. 1989	

Resource Technology, Inc.
 ENGINEERS & ENVIRONMENTAL SCIENTISTS
 2129 OSUNA NE - SUITE 2 A, ALBUQUERQUE, NEW MEXICO 87113
 TELEPHONE - (505) 345-3115

Handwritten: File 0710245

