

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: K16/100 DATE: June 10, 1991 @ 10:00 AM

EPC NO.: _____ DRB NO.: _____ ZONE: _____

SUBJECT: United NM Bank

STREET ADDRESS: SW Corner of Richmond & Central, SE

LEGAL DESCRIPTION: Prtn of Block 1, Monte Vista Addition

APPROVAL REQUESTED: _____ PRELIMINARY PLAT _____ FINAL PLAT
_____ SITE DEVELOPMENT PLAN X BUILDING PERMIT
_____ GRADING/PAVING PERMIT _____ OTHER

	WHO	REPRESENTING
ATTENDANCE:	<u>Jake Bordenave</u>	<u>Bordenave Designs</u>
	<u>Bernie Montoya</u>	<u>Hydrology Dev. Section</u>
	_____	_____

FINDINGS:

- 6/7/91 1. Verbal conversation with Mr. Bordenave
If existing alley is torn up & repaved
approved alley grades and alley improvements
through D.R.C. will be required.
2. Cross-lot-line drainage is allowed without easements or
replat paving project only

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: _____ SIGNED: _____

TITLE: _____ TITLE: _____

DATE: _____ DATE: _____

****NOTE**** PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 6, 1992

Jake Bordenave, P.E.
Bordenave Designs
Post Office Box 91194
Albuquerque, New Mexico 87199

RE: REVISED DRAINAGE PLAN FOR UNITED NEW MEXICO
(K-16/D42) REVISION DATED APRIL 17, 1992

Dear Mr. Bordenave:

Based on the information provided on your submittal of April 17, 1992,
revisions as indicated are acceptable.

Please be advised that prior to Certificate of Occupancy release, we will need
Engineer's Certification of the grades that were required by Traffic
Engineering.

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

Cordially,

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

xc: Alan Martinez

BJM/bsj
(WP+2785)

PUBLIC WORKS DEPARTMENT

DRAINAGE INFORMATION SHEET

PROJECT TITLE: UNITED NM BANK ZONE ATLAS/DRNG. FILE #: K16/D42

DRB #: - EPC #: - WORK ORDER #: -

LEGAL DESCRIPTION: LOTS 10-12, BLOCK 1, MONTE VISTA ADD

CITY ADDRESS: LOTS 11-14, BLOCK 33, UNIVERSITY HEIGHTS ADD
CENTRAL AVE SE

ENGINEERING FIRM: BORDENAVE DESIGNS CONTACT: J. BORDENAVE

ADDRESS: P.O. Box 91194 87199 PHONE: 823-1344

OWNER: UNITED NEW MEXICO BANK CONTACT:

ADDRESS: PHONE:

ARCHITECT: VAN H. GILBERT CONTACT: V. GILBERT

ADDRESS: 319 CENTRAL NW SUITE 201 PHONE: 247-9955
87102

SURVEYOR: THE ELDER CO CONTACT: R. E. ELDER

ADDRESS: 530 JEFFERSON NE 87108 PHONE: 268-1830

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☒ GRADING PLAN REVISED
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION
- ☐ OTHER

PRE-DESIGN MEETING:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

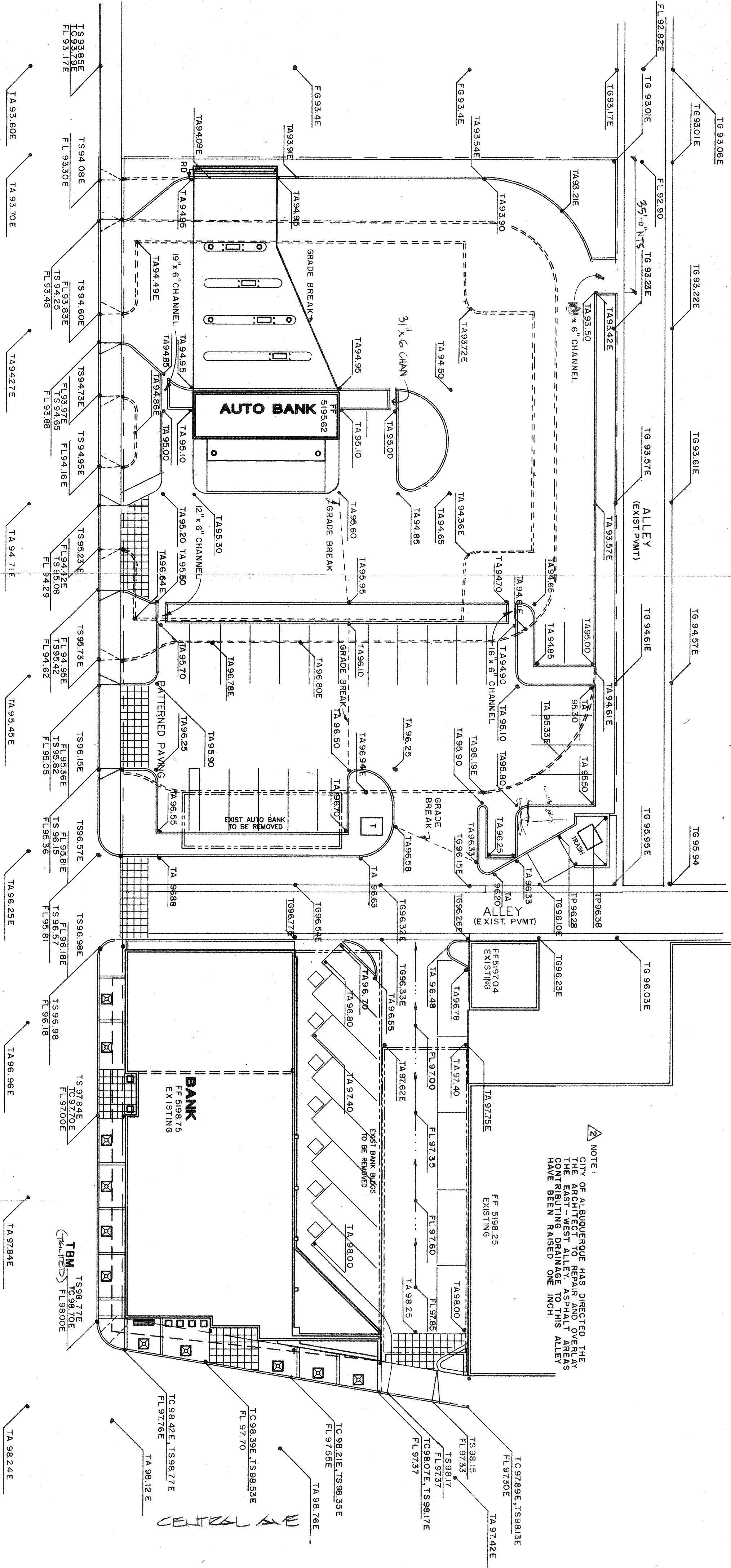
CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ S.A.D. DRAINAGE REPORT
- ☐ DRAINAGE REQUIREMENTS
- ☐ OTHER (SPECIFY)

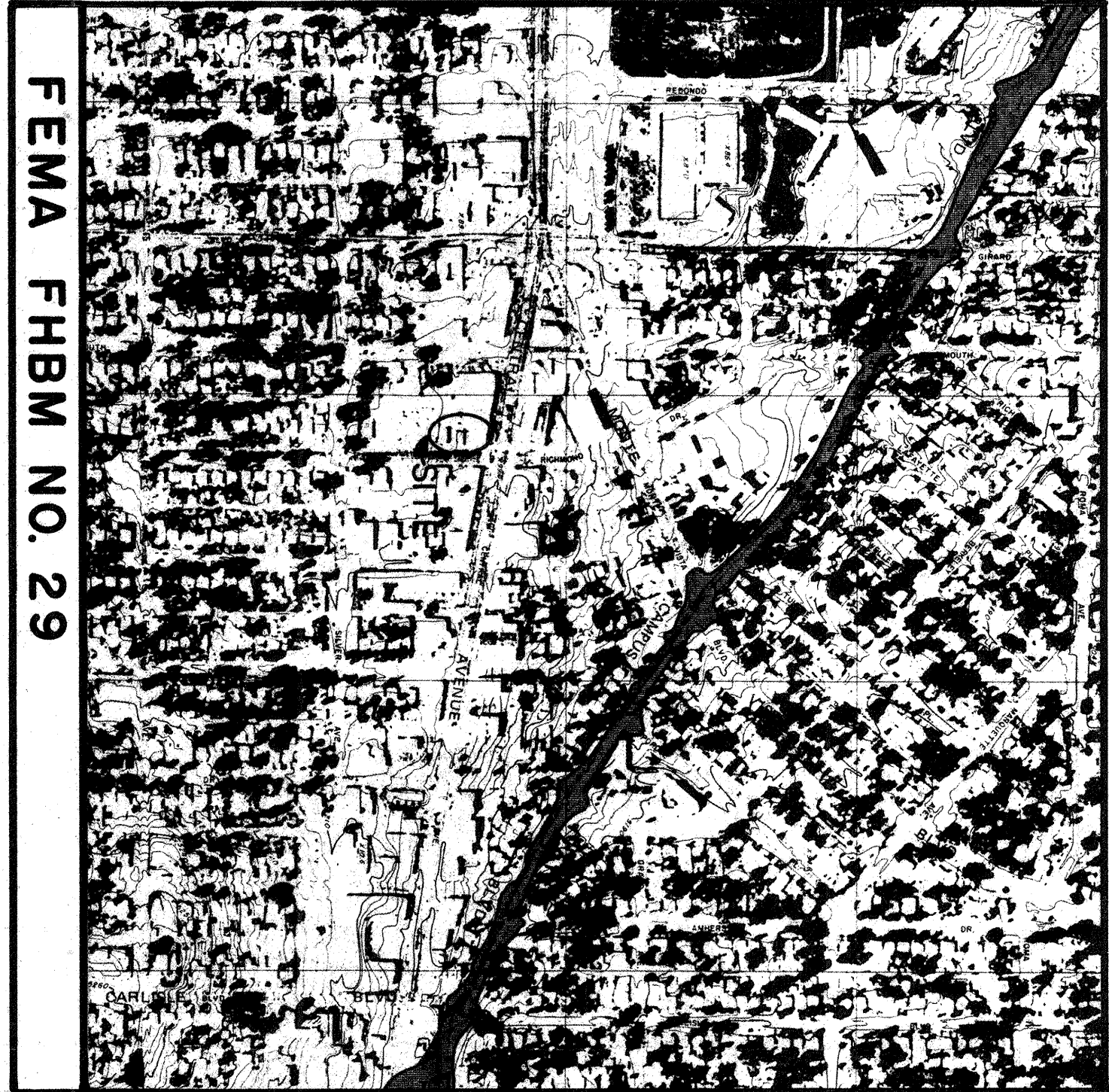
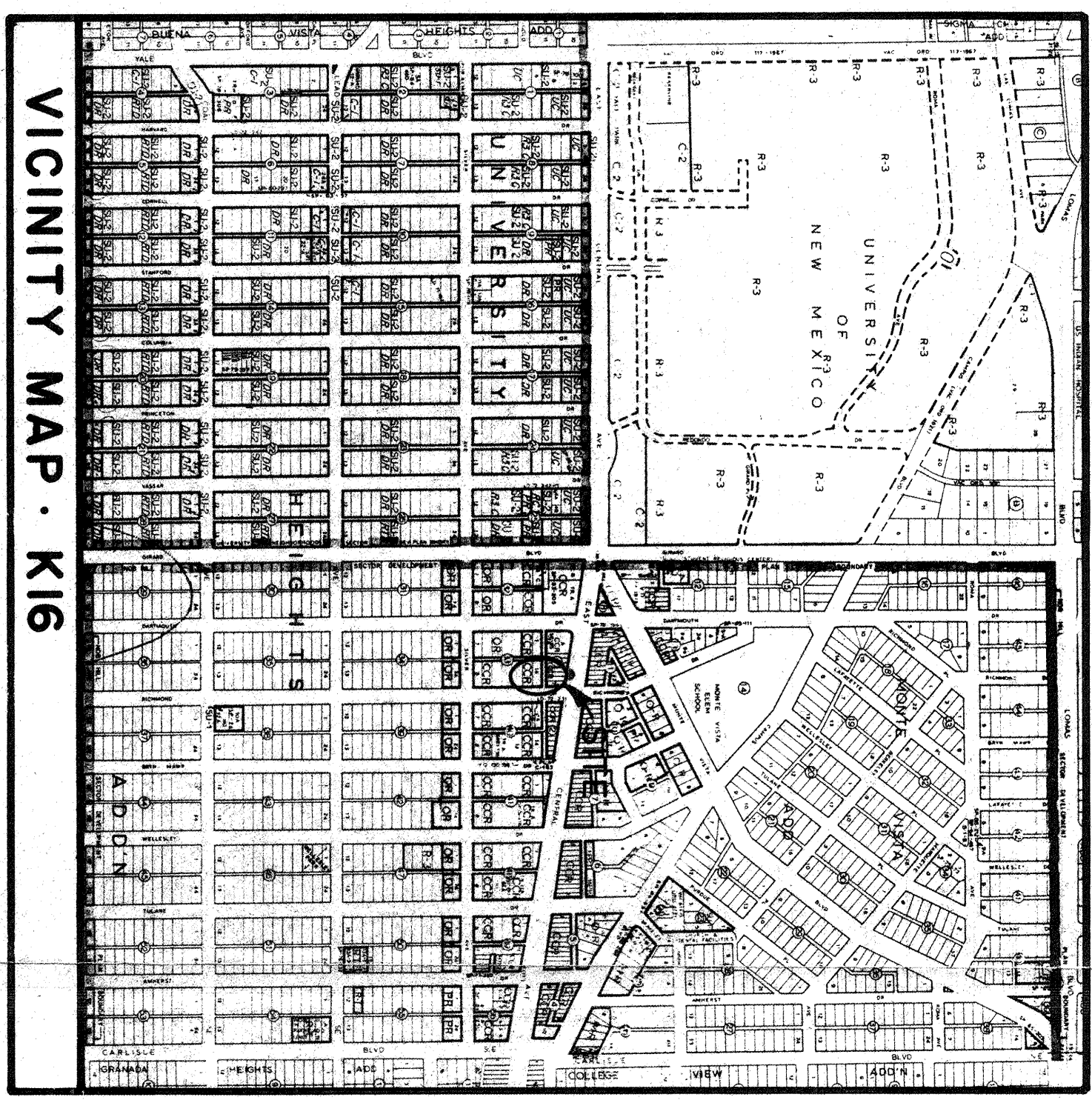
APR 17 1992

DATE SUBMITTED: 04/17/92

BY: [Signature]



GRADING PLAN 1" = 20'



LEGEND

TBM	TEMPORARY BENCH MARK
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOW LINE
TA	TOP OF ASPHALT
TC	TOP OF CURB
TP	TOP OF PAD
TS	TOP OF SIDEWALK
TW	TOP OF WALL
FH	PIPE HYDRANT
MH	MAN HOLE
PP	POWER POLE
RD	ROOF DRAIN
PED	POWER OR TEL. PEDESTAL
WV	WATER VALVE
TG	TOP OF GUTTER(1/4")
XXE	EXISTING ELEVATION
XX	PROPOSED ELEVATION
AS-BUILT	AS-BUILT ELEVATION

- GENERAL NOTES
1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 FOR LOCATION OF EXISTING UTILITIES.
 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL NOT BE RESPONSIBLE WITH A MINIMUM AMOUNT OF DELAY.
 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
 4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- EROSION CONTROL MEASURES:
1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL EXPOSED FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WEETING THE SOIL TO KEEP IT FROM BLOWING.
 2. THE CONTRACTOR SHALL PROMPTLY CLEAN ANY EXPOSED SOIL FROM THE PUBLIC RIGHT-OF-WAY. EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
 3. THE CONTRACTOR SHALL SECURE "TOPSOIL" DISTURBANCE PERMIT PRIOR TO BEGINNING CONSTRUCTION.

EXISTING CONDITION

The site is presently developed and being used as a bank. Over 90% of the site has either an impervious surface or a compacted earth surface. The area north of the east-west alley, including all four runoff areas, is presently used as a parking lot. The area south of the east-west alley, which is the main drainage system for the area, is the southwest corner of the site; thence, southerly in the north-south alley to Silver Ave.

The site is not located in a flood hazard area as shown on FEMA Flood Map No. 1983 and it does not contribute to a flooding condition downstream.

PROPOSED CONDITION

The site is to be remodeled and the usage will remain banking. Two buildings on Central Ave. will be removed and the space will be used for a new parking lot and a new facility. The existing drainage flow patterns will be maintained to the east-west alley. The north-south alley is not capable of carrying the flows in the present condition and a portion of the flows will be diverted to a new facility. The new facility will be constructed at the south end of the site.

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BENCHMARK

ACS 5-A-16
ELEV. 5192.138
BRASS TABLET AT INTERSECTION OF CENTRAL AVE. & MONTE VISTA BLVD.

LEGAL DESCRIPTION

LOTS 10, 11, 12, BLOCK 1, MONTE VISTA ADDITION
LOT 10, 11, 12, BLOCK 1, MONTE VISTA ADDITION
LOT 10, 11, 12, BLOCK 1, MONTE VISTA ADDITION

FLOW DATA

time of concentration = 10 min.
100 year rainfall = 2.25 in.
intensity = 4.76 in/hr
10 year rainfall = 1.48 in.
intensity = 3.12 in/hr

EAST-WEST ALLEY

Q = C/A, where C = 0.95, A = 15090 s.f.
Q₁₀₀ = 1.57 cfs
Q = 1.486 AR^{2/3}/L^{1/2}, where n = 0.021
S = 0.0061/
16' triangular channel w/ 40:1 SS
d₁₀₀ = 0.19 ft.
V₁₀₀ = 1.1 fps

NORTH-SOUTH ALLEY

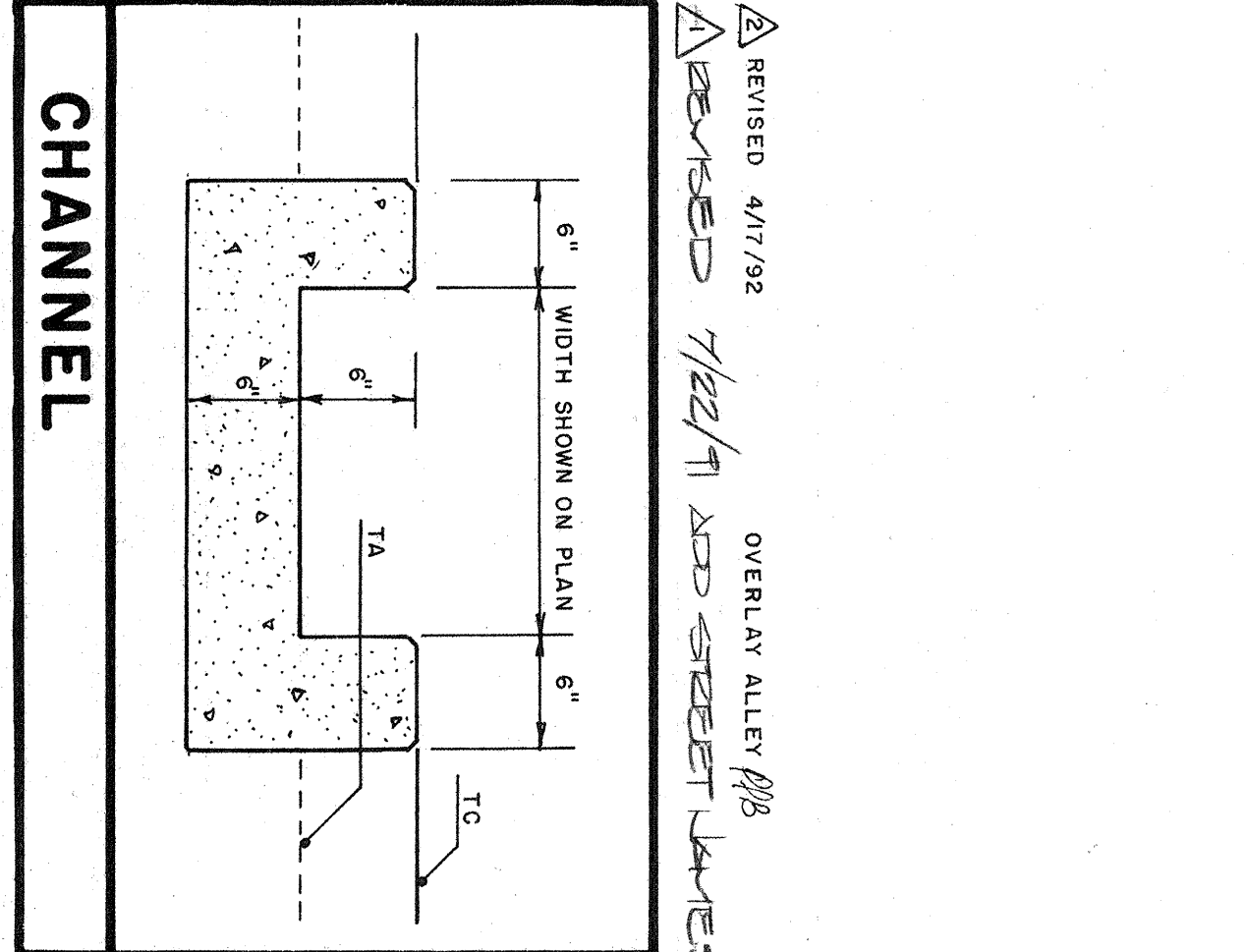
Q = C/A, where C = 0.85, A = 19620 s.f.
Q₁₀₀ = 1.82 cfs
Q = 1.486 AR^{2/3}/L^{1/2}, where n = 0.021
S = 0.0061/
d₁₀₀ = 0.20 ft.
V₁₀₀ = 1.1 fps

RICHMOND DRIVE

Q = C/A, where C = 0.87, A = 11980 s.f.
Q₁₀₀ = 1.14 cfs
Q = 1.486 AR^{2/3}/L^{1/2}, where n = 0.021
S = 0.0061/
d₁₀₀ = 0.17 ft.
V₁₀₀ = 1.0 fps

CONCRETE CHANNELS

Q = C/A^{3/2}, where C = 2.8, H = 0.4 ft.
Q = 1.82 cfs, L = 2.57 ft, Use 31 in.
Q = 0.9 cfs, L = 1.27 ft, Use 16 in.
Q = 1.14 cfs, L = 1.55 ft, Use 19 in.
Q = 0.6 cfs, L = 0.85 ft, Use 12 in.



Van H Gilbert Architect AIA

Architect
310 Central NW, Suite 201, Albuquerque, NM 87102 (505) 247-9935

Planning
310 Central NW, Suite 201, Albuquerque, NM 87102 (505) 247-9935

Professional Engineer
310 Central NW, Suite 201, Albuquerque, NM 87102 (505) 247-9935

GRADING AND DRAINAGE

Sheet **C1**
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RICHMOND AND CENTRAL

APR 17 1992
NEW MEXICO BANK