

Public Works Department

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

February 26, 1997

R.G. Lee Jr.
Lee Engineering
2316 Calle De Rafael NE
Albuquerque , New Mexico 87122


RE: ENGINEER CERTIFICATION FOR CHEVRON CONVIENCE STORE (K21-D18)
CERTIFICATION STATEMENT DATED 2/25/97

Dear Mr. Lee:

Based on the information provided on your February 26 ,1997 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya CE
Engineering Associate

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103



DRAINAGE INFORMATION SHEET

CHEVRON

PROJECT TITLE: Convenience Store ZONE ATLAS/DRWNG. FILE #: K-21/D-18

LEGAL DESCRIPTION: Tract 1-B1A, Home Development Addition

CITY ADDRESS: 1 Motel Circle Ave. NE

ENGINEER FIRM: Lee Engineering CONTACT: R.G. Lee, Jr.

ADDRESS: 2316 Calle De Refael N.E. PHONE: (505) 822-8999

Albuquerque N.M. 87122

ARCHITECT: Ken Hovey Architect CONTACT: Ken Hovey

ADDRESS: 3808 Simms Ave. SE PHONE: (505) 255-9400

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

____ YES

☒ NO

____ COPY OF CONFERENCE RECAP

____ SHEET PROVIDED

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT

____ DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAINAGE PLAN

____ GRADING PLAN

____ EROSION CONTROL PLAN

☒ ENGINEER' CERTIFICATION

____ DRB NO.

____ EPC NO.

____ PROJ. NO.

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL

____ PRELIMINARY PLAT APPROVAL

____ SITE DEVELOPMENT PLAN APPROVAL

____ FINAL PLAT APPROVAL

____ BUILDING PERMIT APPROVAL

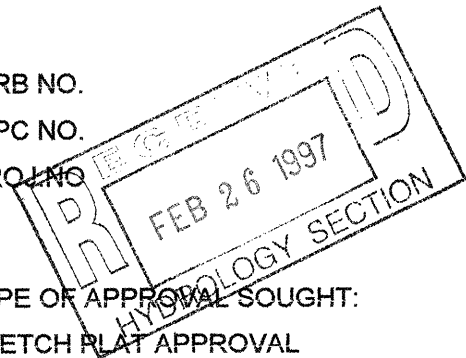
____ ROUGH GRADING PERMIT APPROVAL

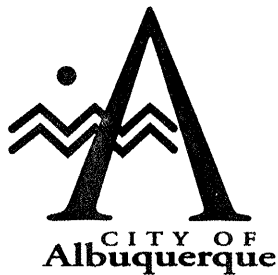
____ GRADING/PAVING PERMIT APPROVAL

☒ OTHER "CERTIFICATE OF OCCUPANCY"

DATE SUBMITTED: February 25, 1997

BY: Herman Hood





September 25, 1996

Martin J. Chávez, Mayor

R.G. Lee Jr.
Lee Engineering
2316 Calle de Rafael NE
Albuquerque, NM 87122

**RE: DRAINAGE PLAN FOR A CHEVRON CONVENIENCE STORE
(K21-D18) ENGINEER'S STAMP DATED 9/18/96.**

Dear Mr. Lee:

Based on the information provided on your September 19, 1996 submittal, the above referenced site is approved for Building Permit.

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

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, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

Good for You, Albuquerque!



NOTE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specification for Public Works Construction.
3. Two working days prior to any excavation, contractor must contact line locating Services at (505) 260-1990 for locating existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to residential use.
6. 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.

DRAINAGE CALCULATIONS

- REFERENCES:
 - A. SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
 - B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 31 OF 50.
 - C. ZONE ATLAS PAGE K-21-Z.
- GENERAL INFORMATION:
 - A. SITE LIES IN ZONE TWO(2) (SEE REF. A, PAGE A-1)
 - B. 100 YEAR, 6 HOUR RAINFALL CRITERIA
 - C. TIME OF CONCENTRATION, T_c ; $T_c = 0.2$ hr (12 MINUTES).
- IMPERVIOUSNESS:

TREATMENT	TYPES OF SURFACES	EXISTING SQ. FT.	ACRES	PROPOSED SQ. FT.	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	3,116	0.0715
C	COMPACTED/VACANT	200	0.0046	0	0.0000
D	IMPERVIOUS	22,120	0.5078	19,204	0.4409
TOTAL AREA (TA)		22,320	0.5124	22,320	0.5124
- PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	CFS/AC	Qp(100)	PROPOSED CFS/AC	Qp(100)
A	UNDEVELOPED	1.59	0.00	1.59	0.00
B	LANDSCAPING	2.28	0.00	2.28	0.16
C	COMPACTED/VACANT	3.14	0.01	3.14	0.00
D	IMPERVIOUS	4.70	2.39	4.70	2.07
PEAK DISCHARGE FROM SITE		2.40 CFS		2.24 CFS	
- PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	CFS/AC	Qp(10)	PROPOSED CFS/AC	Qp(10)
A	UNDEVELOPED	0.38	0.00	0.38	0.00
B	LANDSCAPING	0.95	0.00	0.95	0.07
C	COMPACTED/VACANT	1.71	0.01	1.71	0.00
D	IMPERVIOUS	3.14	1.59	3.14	1.38
PEAK DISCHARGE FROM SITE		1.60 CFS		1.45 CFS	
- WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT	TYPES OF SURFACES	E	EXA/TA	PROPOSED E	EXA/TA
A	UNDEVELOPED	0.53	0.00	0.53	0.00
B	LANDSCAPING	0.78	0.00	0.78	0.11
C	COMPACTED/VACANT	1.13	0.01	1.13	0.00
D	IMPERVIOUS	2.12	2.10	2.12	1.82
WEIGHTED "E" FACTOR		2.11 IN		1.93 IN	
- VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

EXISTING	PROPOSED
2.11 x 0.5124/12	0.09 AC. FT. 3,927 CU. FT.
1.93 x 0.5124/12	0.08 AC. FT. 3,595 CU. FT.

GENERAL NOTES:

1. ADD 5400 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2. CONTOUR INTERVAL IS ONE (1) FOOT.
3. ELEVATIONS SHOWN ARE BASED ON CITY OF ALBUQUERQUE STATION "12-J21", ELEVATION OF 5438.52.
4. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION.

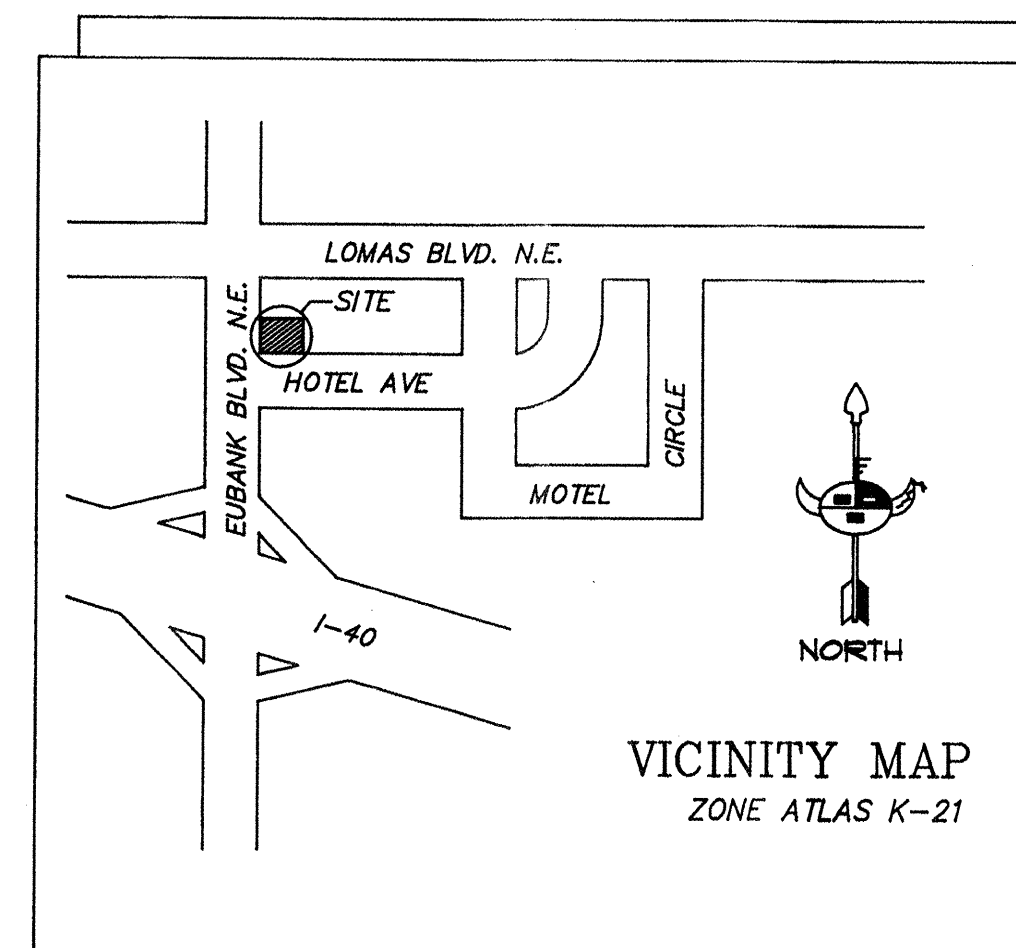
EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.
- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

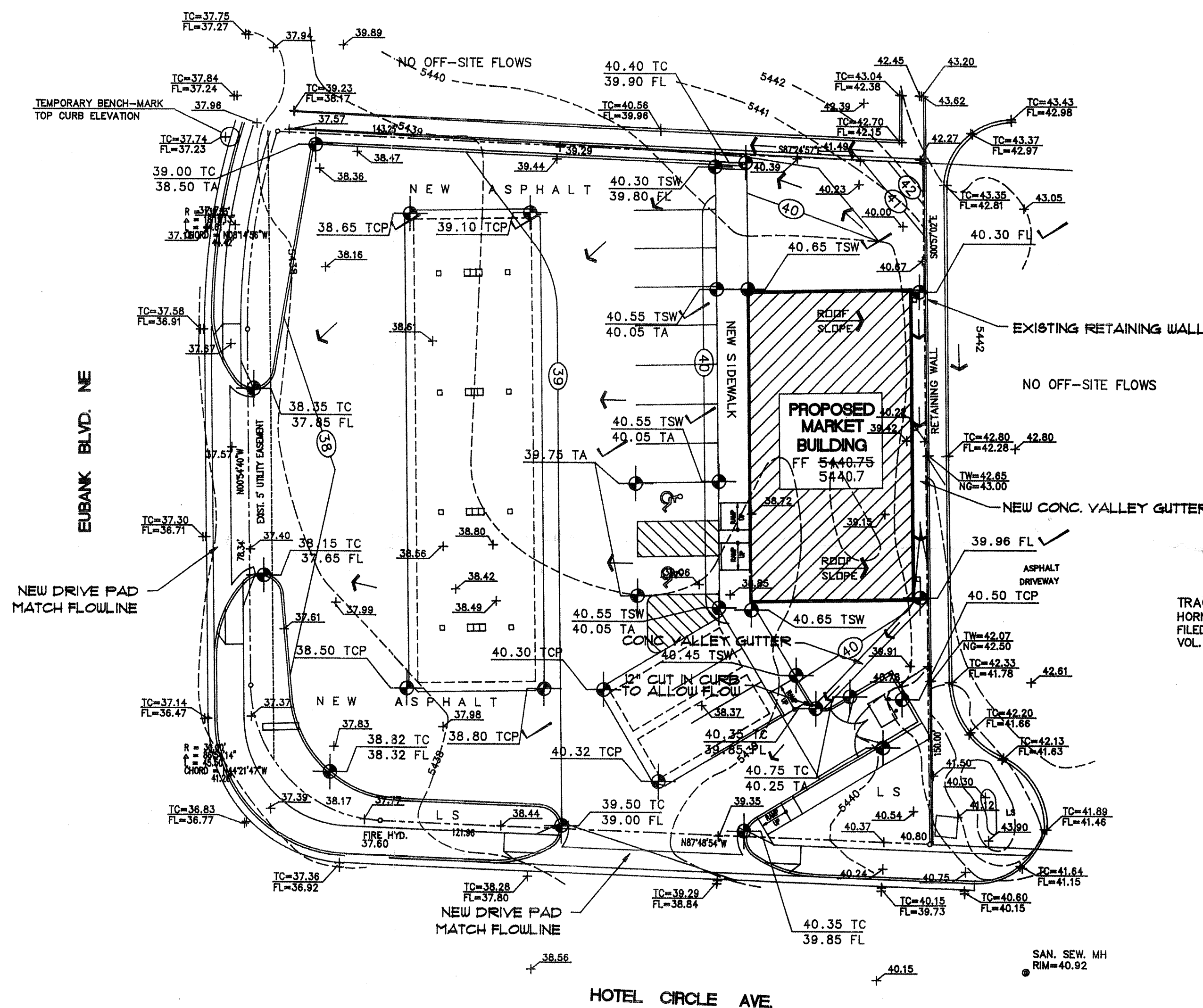
LEGAL DESCRIPTION:

TRACT NUMBERED ONE-B-ONE-A (1-B1A) OF THE HORNE DEVELOPMENT ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON SAID SUBDIVISION, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 28, 1941 IN VOLUME D, FOLIO 33.



VICINITY MAP
ZONE ATLAS K-21

ACCESSIBLE ROUTE
THE ACCESSIBLE ROUTE IS A PATH CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES WITHIN A SITE, BUILDING OR FACILITY THAT IS USABLE BY PERSONS WITH PHYSICAL DISABILITIES. IN THIS FACILITY THE ACCESSIBLE ROUTE CONSISTS OF WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:20, RAMPS WITH A SLOPE NOT STEEPER THAN 1:12, HC PARKING SPACES AND ACCESS AISLES WITH A SLOPE NOT GREATER THAN 1:48 IN ANY DIRECTION AND CLEAR FLOOR SPACE FOR ACCESSIBLE ELEMENTS. CROSS SLOPES SHALL NOT EXCEED 1:48.



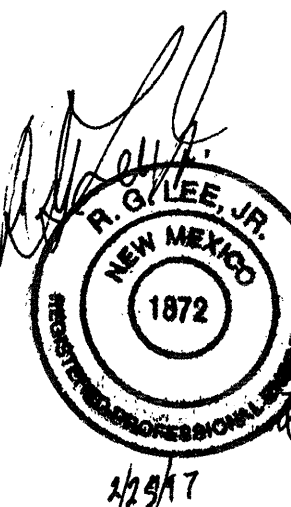
TRACT 1-C1
HORNE DEVELOPMENT ADD.
FILED: 6-17-87
VOL. C33, FOLIO 187.

FLOOD INFORMATION

THIS SITE DOES ENCRUCH INTO A DESIGNATED 100 YEAR FLOOD PLAIN PER FIRM MAP 31 OF 50.

CERTIFICATION

I, R.G. Lee, Jr., Registered Professional Engineer hereby certify the improvements shown hereon are in substantial compliance with the approved drainage plan.



2/25/97
Date

GRADING AND DRAINAGE PLAN

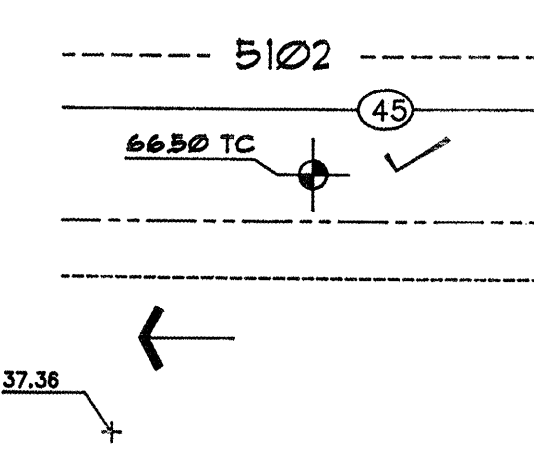
SCALE: 1"=10.0'

ABBREVIATION LEGEND

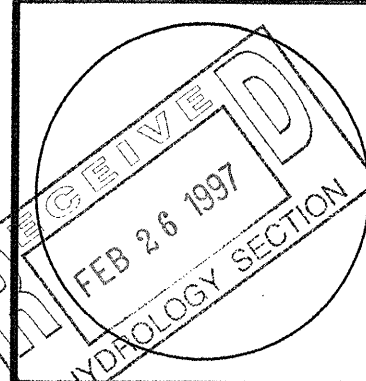
TOP OF CURB - TC
TOP OF ASPHALT - TA
FLOWLINE - FL
TOP OF CONC. PAD - TCP
LANDSCAPING - LS
TOP OF RETAINING WALL - TRW
TOP OF SIDEWALK - TSW

SYMBOL LEGEND

EXISTING CONTOUR
AS-BUILT DESIGN CONTOUR
AS-BUILT DESIGNED SPOT ELEVATION
PROPERTY LINE
EASEMENT LINE
FLOW DIRECTION
EXISTING SPOT ELEVATION
DOWN SPOUT



SURVEY BY:
HARRIS SURVEYING, INC.
ALBUQUERQUE, NEW MEXICO 87110
PHONE: (505) 882-8858
FAX: (505) 882-8858



Chevron Convenience Store for
Rio Grande Oil Co.
EUBANK BLVD. AT I-40, ALBUQUERQUE, NEW MEXICO

KEN HOVEY, ARCHITECT
1501 255-9400 • FAX 1501 255-4750 • 3808 5145 AVE. SE • ALBUQUERQUE, NM • 87108

JOB NO:	9520
DATE:	01 SEPT 1996
REVISIONS	

SHEET NO.

C3