

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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FRED E. MONDRAGON

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DEVELOPMENT & ENTERPRISE SERVICES

RAY R. BACA

DEPUTY CAO
PUBLIC SAFETY

June 13, 1989

Arsenio Martinez, P.E.
Rodriguez & Associates
122 Washington, SE
Albuquerque, New Mexico 87108

RE: GRADING/PAVING PLAN FOR EL PASEO VILLAGE, INC.
(K-14/D46) ENGINEER'S STAMP DATED JUNE 5, 1989

Dear Mr. Martinez:

Based on the information provided on your submittal of June 9, 1989, the above referenced plan is approved for Grading/Paving permit.

Upon completion of the paving, a field inspection must be requested. Please provide the file number when requesting the inspection.

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

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1129)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: EL PASO VILLAGE, INC. ZONE ATLAS/DRNG. FILE #: K-14-Z/46
 LEGAL DESCRIPTION: LOTS 1, 2, 3, & PORTION OF LOTS 4, 5, 6, BLK-32, HUNING HIGHLAND ADD.
 CITY ADDRESS: 422 COAL S.E., ALBUQ., N.M.

ENGINEERING FIRM: J. ARSENIO MARTINEZ CONTACT: MR. MARTINEZ
 ADDRESS: C/O RODRIGUEZ & ASSOCIATES PHONE: 266-3830
2500 GARFIELD S.E. #5
ALBUQ., N.M. 87123
 OWNER: BARNEY BARNETT CONTACT: MR. BARNETT

ADDRESS: ? PHONE: 268-8356

ARCHITECT: FRED ARAGON & ASSOCIATES CONTACT: MR. ARAGON
 ADDRESS: LAFAYETTE N.E. (CITY) PHONE: 265-9612

SURVEYOR: JOHN B. TORRES CONTACT: MR. TORRES
 ADDRESS: 1570 BRIDGE BLVD. S.W. PHONE: 243-4854
ALBUQ., N.M.

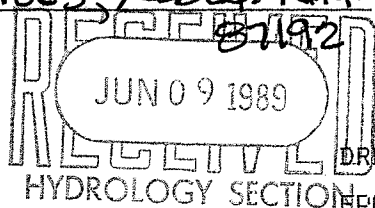
CONTRACTOR: CHRIS VIGIL - GENERAL CONTRACTOR CONTACT: MR. VIGIL
 ADDRESS: P.O. BOX 11865, ALBUQ. N.M. PHONE: 293-9269

PRE-DESIGN MEETING:

☒ YES

☐ NO

☐ COPY OF CONFERENCE RECAP
 SHEET PROVIDED



DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

☒ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ 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

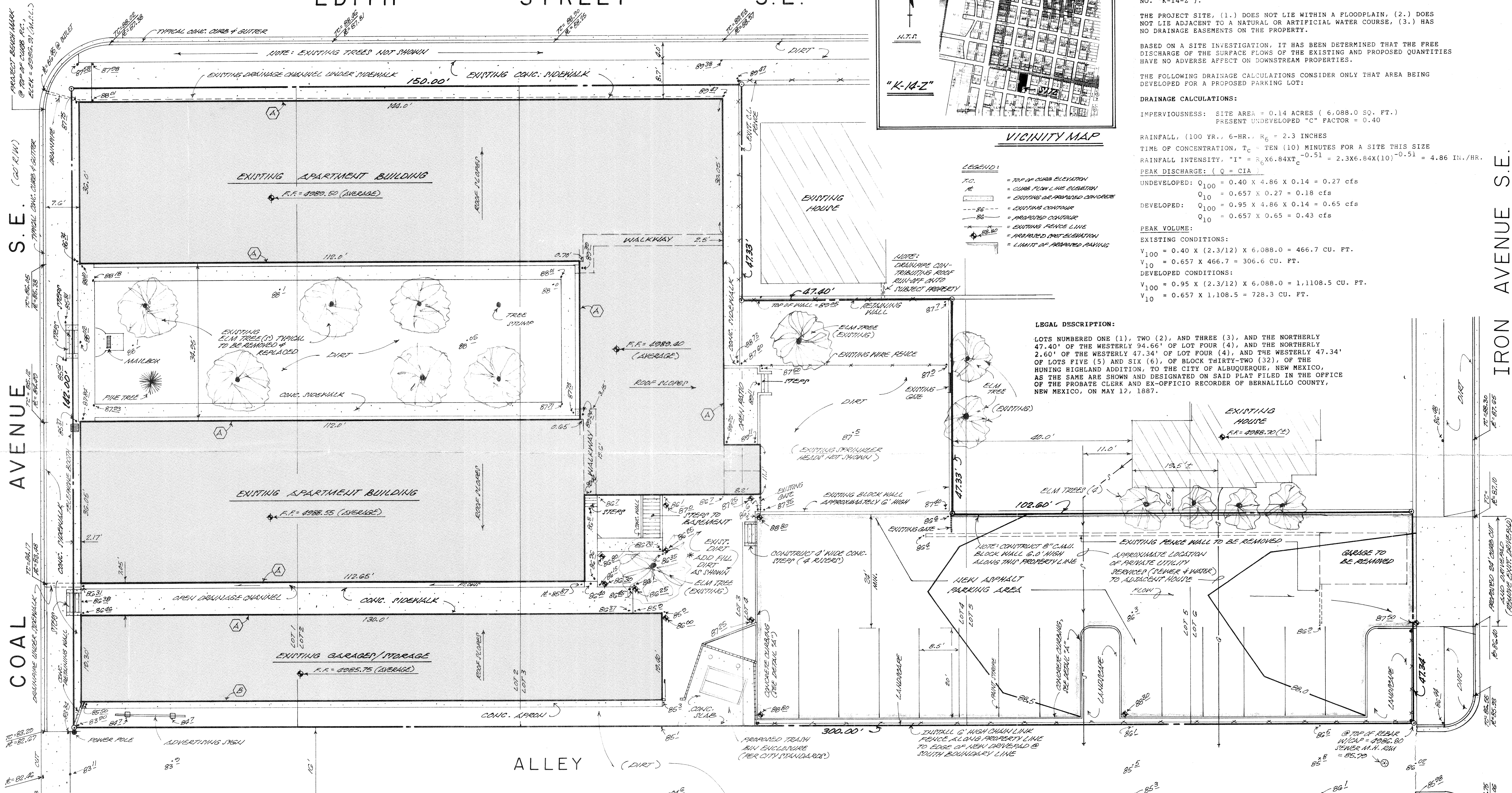
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: JUNE 9, 1989

BY: RODRIGUEZ & ASSOCIATES

BENCH MARK REFERENCE: CITY B.M. STATION "5-K14-R",
M.S.L. ELEVATION = 4965.213,
PROJECT BENCH MARK(S): AS SHOWN ON PLAN HEREON.

EDITH STREET S.E.



DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED AT THE SOUTHWEST INTERSECTION OF EDITH STREET S.E. AND COAL AVENUE S.E., ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP NO. "K-14-Z").

THE PROJECT SITE, (1.) DOES NOT LIE WITHIN A FLOODPLAIN, (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF THE SURFACE FLOWS OF THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

THE FOLLOWING DRAINAGE CALCULATIONS CONSIDER ONLY THAT AREA BEING DEVELOPED FOR A PROPOSED PARKING LOT:

DRAINAGE CALCULATIONS:

IMPERVIOUSNESS: SITE AREA = 0.14 ACRES (6,088.0 SQ. FT.)
PRESENT UNDEVELOPED "C" FACTOR = 0.40

RAINFALL, (100 YR., 6-HR., $R_6 = 2.3$ INCHES)

TIME OF CONCENTRATION, $T_c =$ TEN (10) MINUTES FOR A SITE THIS SIZE

RAINFALL INTENSITY, "I" = $R_6 \times 6.84 \times T_c^{-0.51} = 2.3 \times 6.84 \times (10)^{-0.51} = 4.86$ IN./HR.

PEAK DISCHARGE: ($Q = CIA$)

UNDEVELOPED: $Q_{100} = 0.40 \times 4.86 \times 0.14 = 0.27$ cfs

$Q_{10} = 0.657 \times 0.27 = 0.18$ cfs

DEVELOPED: $Q_{100} = 0.95 \times 4.86 \times 0.14 = 0.65$ cfs

$Q_{10} = 0.657 \times 0.65 = 0.43$ cfs

PEAK VOLUME:

EXISTING CONDITIONS:

$V_{100} = 0.40 \times (2.3/12) \times 6,088.0 = 466.7$ CU. FT.

$V_{10} = 0.657 \times 466.7 = 306.6$ CU. FT.

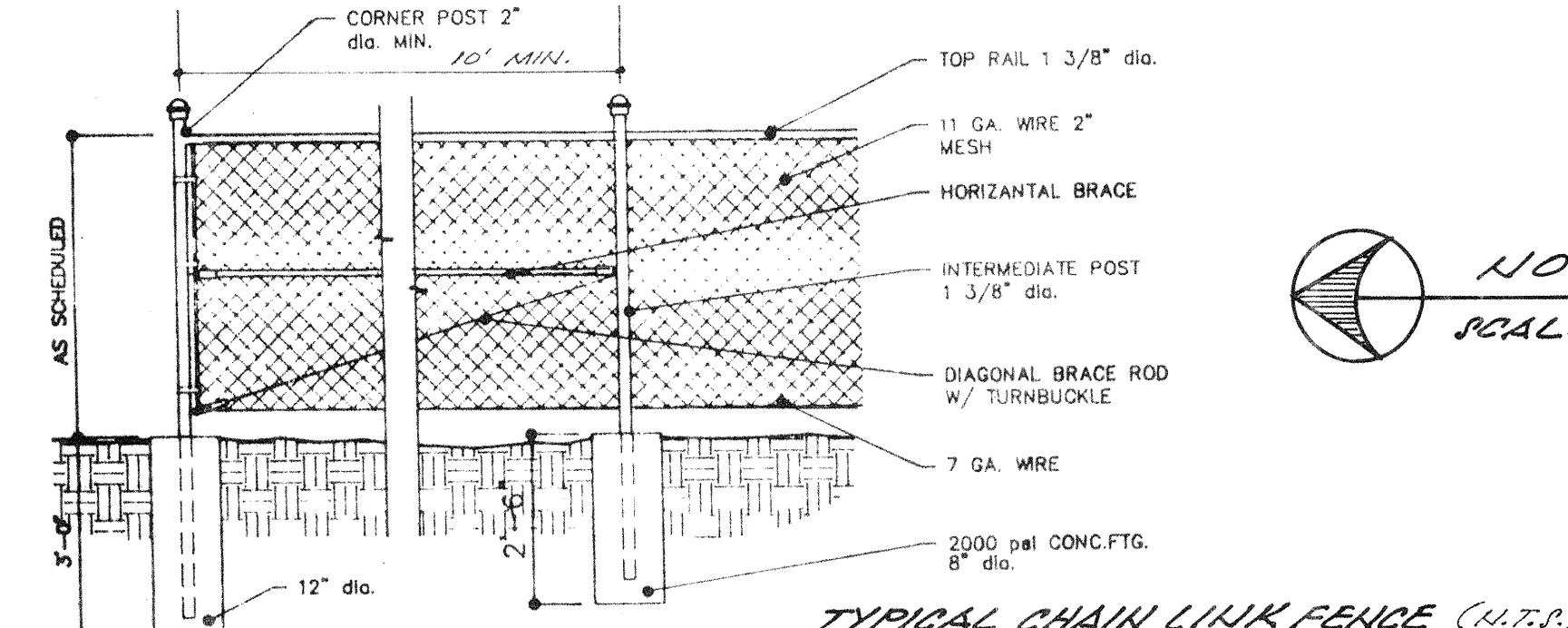
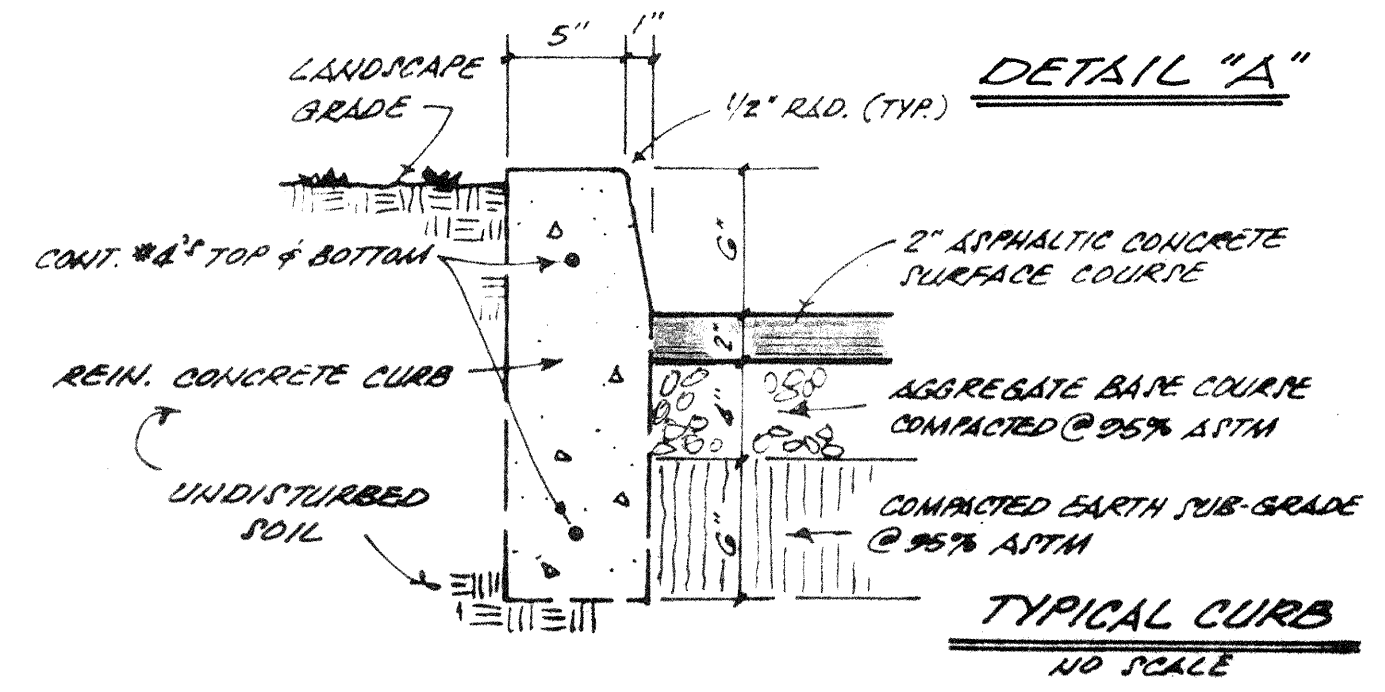
DEVELOPED CONDITIONS:

$V_{100} = 0.95 \times (2.3/12) \times 6,088.0 = 1,1108.5$ CU. FT.

$V_{10} = 0.657 \times 1,1108.5 = 728.3$ CU. FT.

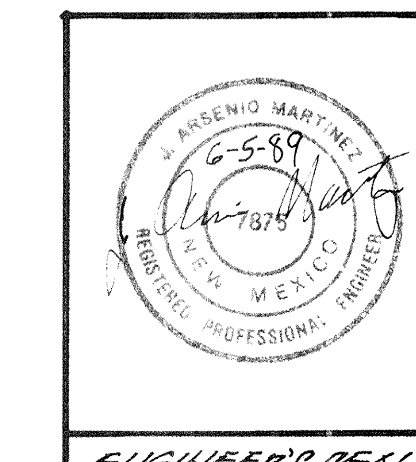
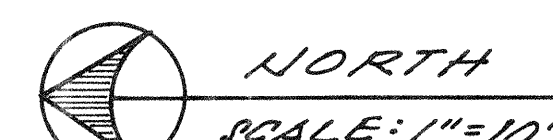
LEGAL DESCRIPTION:

LOTS NUMBERED ONE (1), TWO (2), AND THREE (3), AND THE NORTHERLY 47.40' OF THE WESTERLY 94.66' OF LOT FOUR (4), AND THE NORTHERLY 2.60' OF THE WESTERLY 47.34' OF LOT FOUR (4), AND THE WESTERLY 47.34' OF LOTS FIVE (5) AND SIX (6), OF BLOCK THIRTY-TWO (32), OF THE HUNING HIGHLAND ADDITION, TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON SAID PLAT FILED IN THE OFFICE OF THE PROBATE CLERK AND EX-OFFICIO RECORDER OF BERNALILLO COUNTY, NEW MEXICO, ON MAY 12, 1987.



- (A) DESIGNATED ENTRANCE DOOR LOCATIONS NOT SHOWN.
- (B) DESIGNATED GARAGE/STORAGE DOORS NOT SHOWN.

SUBJECT SITE:
30,643.968 SQ. FT.
0.703 ACRE



EL PASEO VILLAGE, INC.
COAL AVE. S.E. & EDITH STREET S.E.
ALBUQUERQUE, NEW MEXICO
JUNE, 1989

RECEIVED
JUN 09 1989
HYDROLOGY SECTION