



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 25, 1990

Celia Tomlinson
Rhombus P.A.
2417 Quincy NE
Albuquerque, New Mexico 87110

RE: ENGINEER CERTIFICATION FOR 2501 RIO GRANDE NW (G-12/D17)
CERTIFICATION STATEMENT DATED MAY 15, 1990

Dear Mrs. Tomlinson:

Based on the information provided on your May 18, 1990 submittal, Engineering Certification is acceptable.

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

Sincerely,

for Bernu J. Montoya
Fred Aguirre, P.E.
Hydrology Division

BJM:jc
WP+915

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: 2501 Rio Grande ZONE ATLAS/DRNG. FILE #: G-12/D17
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT C Thomas Village

CITY ADDRESS: 2501 Rio Grande NW

ENGINEERING FIRM: RHOMBUS P.A. CONTACT: CEUA TOMLINSON

ADDRESS: 2417 Quincy NE PHONE: 881-6690
Albany, NM 87110

OWNER: Robert Kantor CONTACT: _____

ADDRESS: 2501 Rio Grande NW PHONE: _____

ARCHITECT: Robert Ponto CONTACT: _____

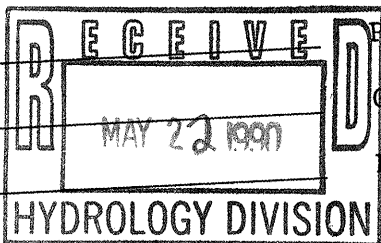
ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____



TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ 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)

DATE SUBMITTED: 5/21/90

BY: Celia J. Fontana

DRAINAGE INFORMATION SHEET

DELIVER
TO
Hydrology
3rd floor
City Hall
G-12 / 1017

PROJECT TITLE: Bldg at 2501 Rio Grande NW ZONE ATLAS/DRNG. FILE #: _____

DRB #: NA EPC #: NA WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT 2 THOMAS VILLAGE

CITY ADDRESS: 2501 RIO GRANDE BLVD. NW

ENGINEERING FIRM: RHOMBUS P.A., Inc. CONTACT: Celia Tomlinson

ADDRESS: 2620 San Mateo NE Suite B PHONE: 881-6690
Albuquerque, NM 87110

OWNER: ROBERT KANTOR CONTACT: BOB KANTOR

ADDRESS: 7315 4th Street NW PHONE: 792-0607
LOS RANCHOS, NM 87107

ARCHITECT: RHOMBUS - ANTHONY SILVA CONTACT: TONY SILVA

ADDRESS: 2620 SAN MATEO NE SUITE B PHONE: 881-6690

SURVEYOR: RHOMBUS CONTACT: John Miers, PS

ADDRESS: 2620 San Mateo NE Suite B PHONE: 881-6690
Albuquerque, NM 87110

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

- ☒ YES PHONE WITH BERNIE MONTOYA
- ☐ 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
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- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY APPROVAL
- ☒ GRADING PERMIT APPROVAL
- ☒ PAVING PERMIT APPROVAL
- ☐ S.A.D. DRAINAGE REPORT
- ☐ DRAINAGE REQUIREMENTS
- ☐ SUBDIVISION CERTIFICATION
- ☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 7/12/96
BY: Celia S. Tomlinson

JUL 18

REF: G12-D17

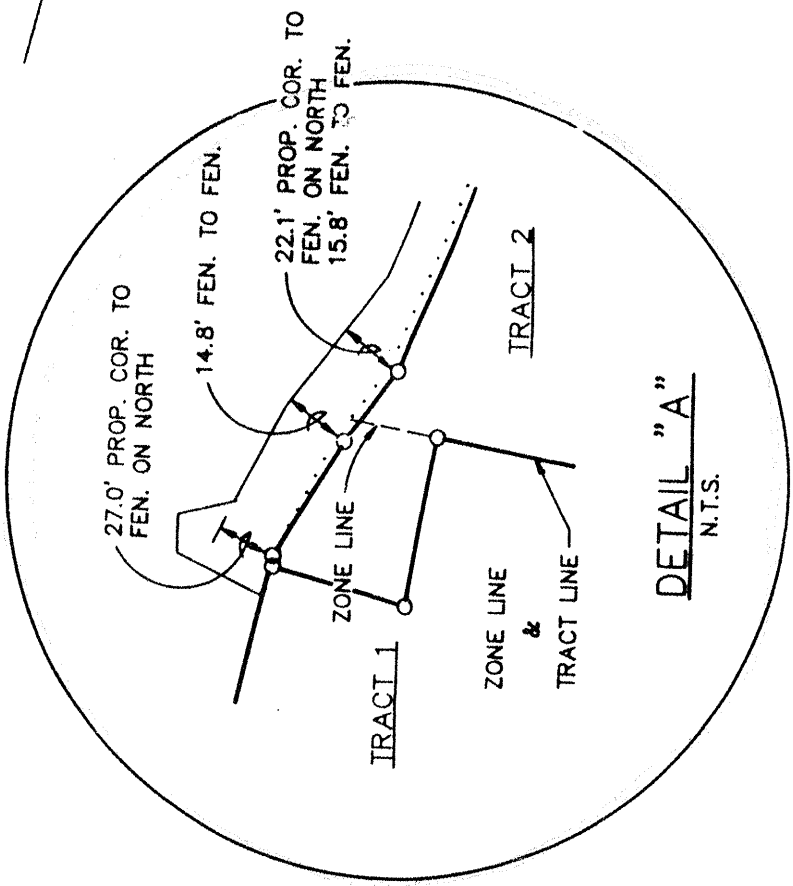
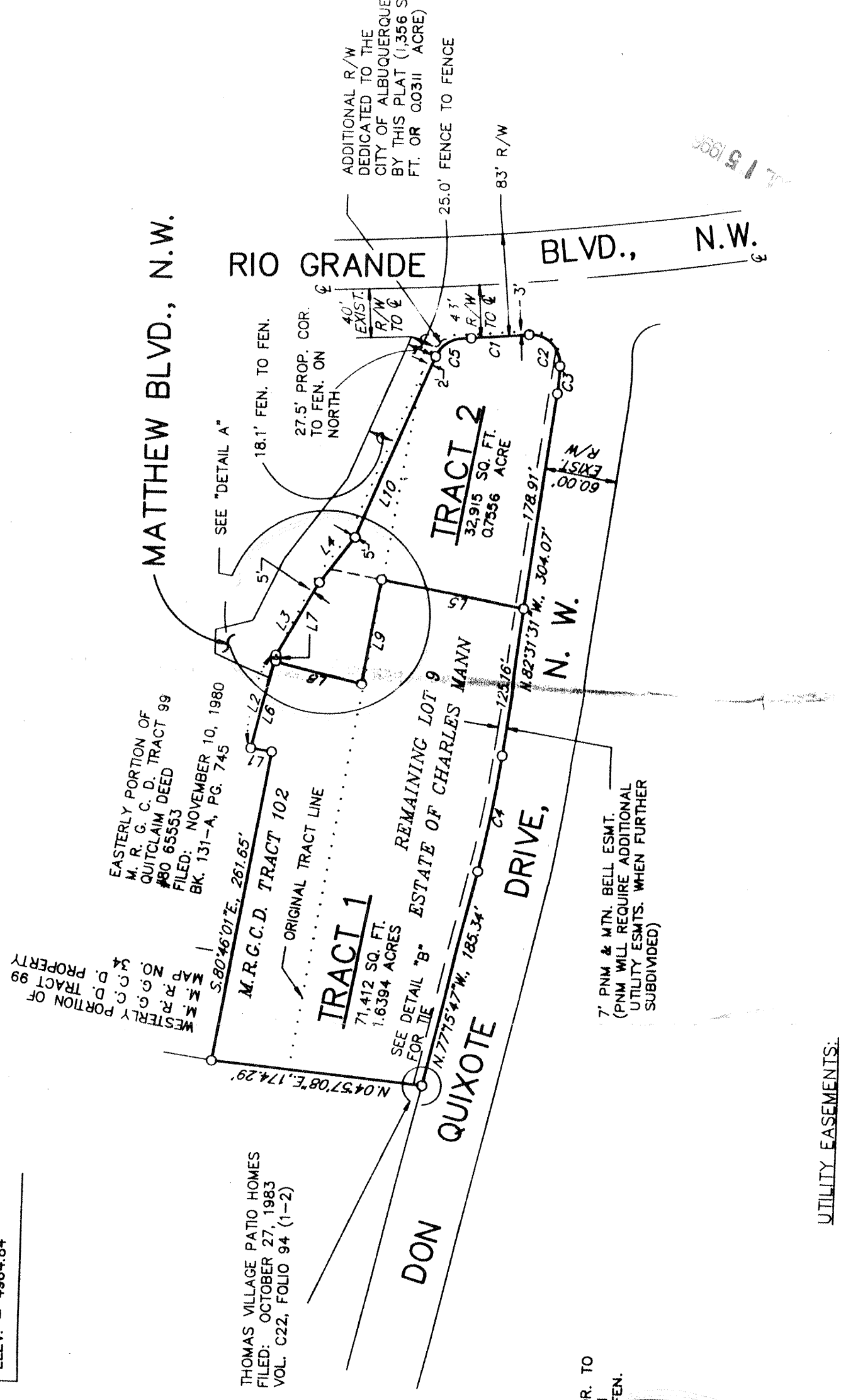
SP-01-22-1715

Copy of plot showing
no lot line between
proposed development
and existing development
on Tract 2

"6-G12"
ACS ALUM. CAP MONUMENT
(FOUND IN PLACE)
NEW MEXICO STATE PLANE
COORDINATE SYSTEM
(CENTRAL ZONE)
X = 373,054.30
Y = 1,499,723.80
G-G = 0.9996810
Δα = -00°4'39"
ELEV. = 4964.84

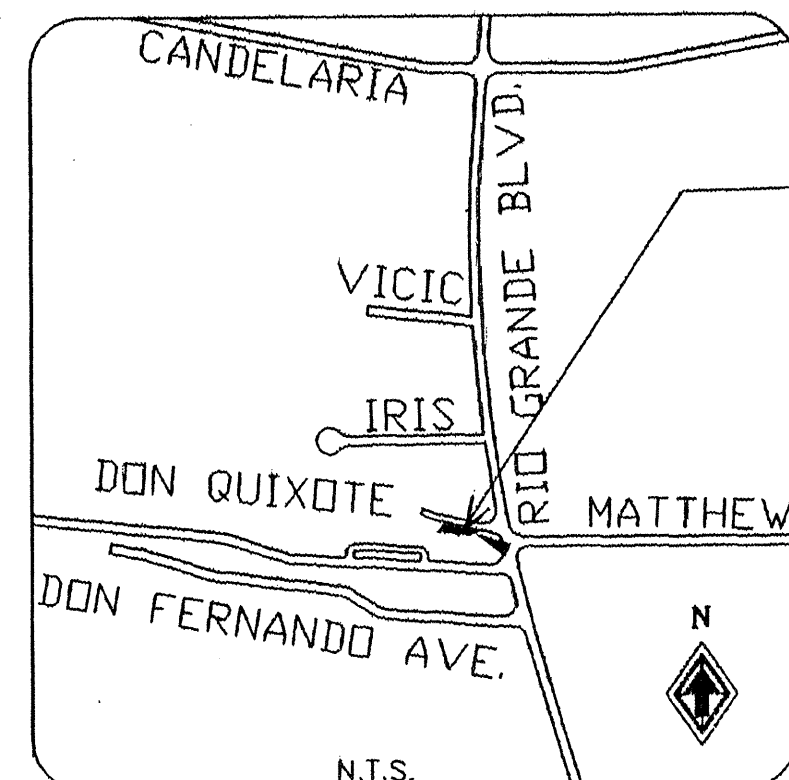
8530850

PLAT OF
TRACTS 1 AND 2
THOMAS VILLAGE - PHASE VI
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JANUARY, 1988



UTILITY EASEMENTS:

UTILITY EASEMENTS shown on this plat are as dimensioned and are granted for the common and joint use of:



LOCATION MAP G-12

SITE

NOTE:
THIS IS NOT A BOUNDARY SURVEY. THE
BEARINGS AND DISTANCES SHOWN, WHICH
ARE BASED ON THE LEGAL DESCRIPTION
AND THE FIELD PLAT, ARE FOR ORIENTATION
PURPOSES ONLY.

THOMAS VILLAGE TRACT 2

2501 RIO GRANDE BLVD. N.W.
ALBUQUERQUE, NEW MEXICO

DRAINAGE AND GRADING PLAN FOR OFFICES AT MATTHEW

LEGAL DESCRIPTION: Tract 2, Thomas Village, Phase 6

ADDRESS: South side of Matthew NW, just west of Rio Grande Bl NW
Zone Atlas G-12

FLOODPLAIN INFORMATION: The property is located on Zone B, areas
of flooding (between 100-year and 500-year), according to the
Floodway Boundary and Floodway Map of the City of Albuquerque,
New Mexico, Community Panel 350002 0022, effective October 14,
1983.

EXISTING CONDITIONS: The vacant property consists of
approximately 9063 square feet of unimproved land.

The triangular site is bounded by Matthew NW on the northeast
side (asphalt only, no curb and gutter, no sidewalk); Courtyard
Office Plaza on the south side (existing paved parking lot,
building, and landscaping); wall and existing house on the west
side.

The site, which receives minimal, negligible offsite flows from
the street, slopes slightly eastward. On the south side of the
site is the improved Courtyard Office Plaza which drains to
the existing storm drain system in Don Quixote Road.

PROPOSED IMPROVEMENTS: Stem walls will be built on the lot. An
off-site building with approximately 936 square feet of roof area
will be installed on the stem walls. The pitched-roof
building will be renovated. Paved parking, concrete walks, and
landscaping will be provided.

The west end of the site will be raised slightly to protect the
footings of the adjoining wall. The site grading will follow the
existing drainage pattern - eastward to the east parking lot
of the Courtyard Office Plaza. The surface runoff will drain
eventually to the existing storm drain system in Don Quixote Road.

There will be no on-site ponding.

CALCULATIONS:

Existing Conditions:

Land Treatment A = 0
Land Treatment B = 0
Land Treatment C = 9063 SF = 0.21 Acre
Land Treatment D = 0
TOTAL = 0.21 Acre

Proposed Improvement:

Land Treatment A = 1330 SF = 0.03 Acre
Land Treatment B = 0
Land Treatment C = 5273 SF = 0.12 Acre
Land Treatment D = 2460 SF = 0.06 Acre
TOTAL = 0.21 Acre

Zone 2 (From DPM 22.2, page A-1)

Existing Condition, 100% Land Treatment C

Peak Discharge, 100-year: 3.14 (From DPM 22.2 page A-9)

$Q_{100} = 0.21 \times 3.14 = 0.66 \text{ cfs}$

Volume of Runoff:

Excess Precipitation
100-year: 1.13 (From DPM 22.2, page A-7)

$V_{100} = 0.21 \times 1.13 \times 43560/12 = 861 \text{ cubic feet}$

Proposed Improvement:

Peak Discharge, 100-year

Land Treatment A, 100-year: 1.56 cfs

Land Treatment C, 100-year: 3.14 cfs

Land Treatment D, 100-year: 4.70 cfs

Composite $Q(100\text{-year})$: A = $0.07 \times 1.56 = 0.11 \text{ cfs}$

B = 0

C = $0.08 \times 3.14 = 0.25 \text{ cfs}$

D = $0.06 \times 4.70 = 0.28 \text{ cfs}$

TOTAL = 0.64 cfs

Volume of Runoff, 100-year:

Excess Precipitation, Land Treatment A
100-year: 0.53 inch

Excess Precipitation, Land Treatment C
100-year: 1.13 inch

Excess Precipitation, Land Treatment D
100-year: 2.12 inches

Composite $V(100\text{-year})$: A = $0.07 \times 0.53 \times 43560/12 = 135 \text{ cfs}$

B = 0

C = $0.08 \times 1.13 \times 43560/12 = 328 \text{ cfs}$

D = $0.06 \times 2.12 \times 43560/12 = 462 \text{ cfs}$

TOTAL = 925 cfs

Change in Discharge, $Q_{100} = 0.64 - 0.66 = -0.02 \text{ cfs}$ (decrease)

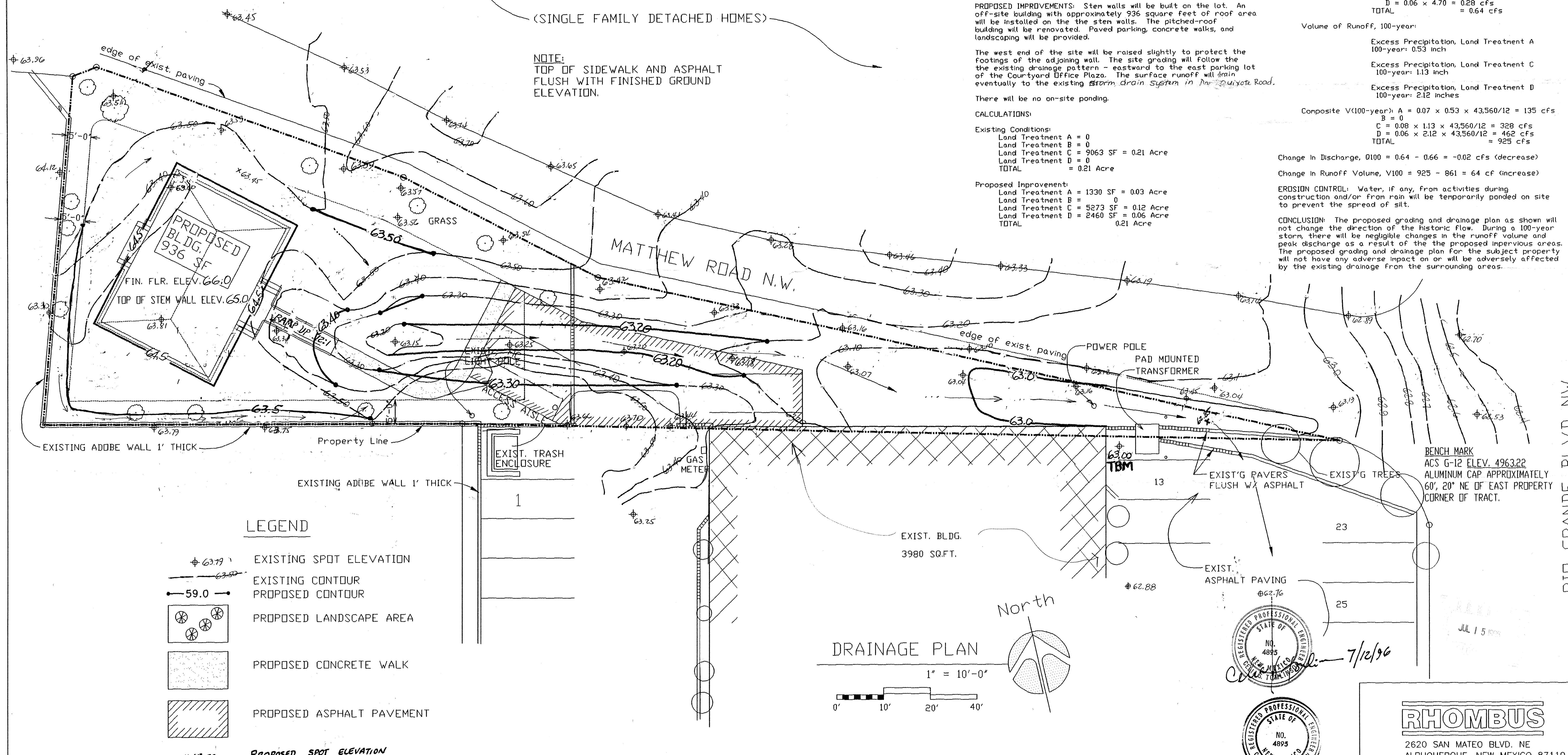
Change in Runoff Volume, $V_{100} = 925 - 861 = 64 \text{ cf}$ (increase)

EROSION CONTROL: Water, if any, from activities during
construction and/or from rain will be temporarily ponded on site
to prevent the spread of silt.

CONCLUSION: The proposed grading and drainage plan as shown will
not change the direction of the historic flow. During a 100-year
storm, there will be negligible changes in the runoff volume and
peak discharge as a result of the proposed improvements. The
proposed grading and drainage plan for the subject property
will not have any adverse impact on or will be adversely affected
by the existing drainage from the surrounding areas.

(SINGLE FAMILY DETACHED HOMES)

NOTE:
TOP OF SIDEWALK AND ASPHALT
FLUSH WITH FINISHED GROUND
ELEVATION.



LEGEND

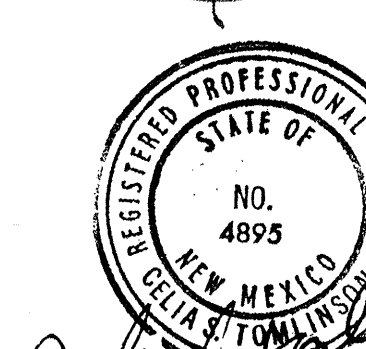
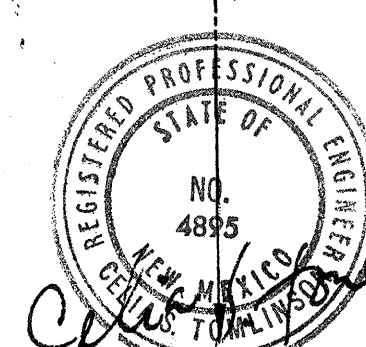
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED LANDSCAPE AREA
- PROPOSED CONCRETE WALK
- PROPOSED ASPHALT PAVEMENT
- PROPOSED SPOT ELEVATION

DRAINAGE PLAN

1" = 10'-0"

0' 10' 20' 40'

North



RHOMBUS

2620 SAN MATEO BLVD. NE
ALBUQUERQUE, NEW MEXICO 87110

TEL: (505) 881-6690 FAX: (505) 881-6896