

December 16, 1996

Martin J. Chávez, Mayor

Mr. Tom Mann
Engineering & Surveying Assoc.
5312 Noreen NE
Albuquerque, NM 87111

**RE: REVISED ENGINEER CERTIFICATION FOR 310-312 MURIEL ST. NE
(K21-D27) ENGINEER CERTIFICATION STATEMENT DATED 12/9/96.**

Dear Mr. Mann:

Based on the information provided on your resubmittal, Engineer Certification for the above referenced site is acceptable.

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!



Donald R. Barkhurst
P.O. Box 9122
Albuquerque, NM 87119

December 4, 1996

Tom Mann
5312 Noreen NE
Albuquerque, NM 87111

Re: Permit No. 9413932

Attn: Tom Mann

Sir,

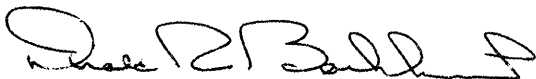
As owner of lots 3 & 4, East Central Business Addition, the subject property of the referenced building permit, I personally directed the contractor to relocate the sumps from the location on the approved plan to a point adjacent to the rear of the building.

This was done to facilitate a gutter and drain pipe from the roof which flows directly into the sump and hence to the street via the eight inch pipes.

I assume all responsibility for any flooding that might occur due to this change in location and hold both you, Tom Mann, and the City of Albuquerque harmless for any and all damages.

Attached is a copy of the inspection tag for this drivepad, sidewalk and outlet for the drain pipes.

Sincerely,

A handwritten signature in dark ink, appearing to read "Donald R. Barkhurst", written in a cursive style.

Donald R. Barkhurst

RESUBMITTAL
DRAINAGE INFORMATION SHEET

PROJECT TITLE: 310 & 312 Muriel ZONE ATLAS/DRNG. FILE #: K21/D27

LEGAL DESCRIPTION: Lots 3 & 4 Block 19 East Central Business Addition

CITY ADDRESS: 310 & 312 Muriel NE

ENGINEERING FIRM: Engineering & Surveying Assoc CONTACT: Tom Mann

ADDRESS: 5312 Noreen NE 87111 PHONE: 298-4651

OWNER: Don Barkhurst CONTACT: Don Barkhurst

ADDRESS: 300 Muriel NE PHONE: _____

ARCHITECT: Jim Miller CONTACT: Jim Miller

ADDRESS: 2823 Richmond NE 87107 PHONE: 884-1255

SURVEYOR: Engineering & Surveying Assoc CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: Unknown CONTACT: _____

ADDRESS: _____ PHONE: _____

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 AND 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

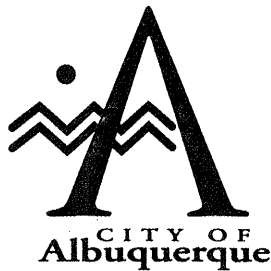
☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 11/4/96

BY: Tom Mann



November 26, 1996

Martin J. Chávez, Mayor

Mr. Tom Mann
Engineering & Surveying Assoc.
5312 Noreen NE
Albuquerque, NM 87111

**RE: ENGINEER CERTIFICATION FOR 310-312 MURIEL ST. NE (K21-D27)
CERTIFICATION STATEMENT DATED 11/3/96.**

Dear Mr. Mann:

Based on the information provided on your November 12, 1996 submittal, Engineer Certification for the above referenced site is not acceptable because of the following reasons:

1. The inlets are too close to the structures.
2. Please indicate the as-built designation on the legend.
3. The certification statement must be stamped and dated.
4. Concurrence of S.O. 19 approval for the sidewalk culverts.
5. Why is there an 8" asphalt water block on the south property line? Is there off-site flows that would enter the site?
6. As-built finish floor elevations to full mean sea level.

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!





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 10, 1994

Tom Mann
5312 Noreen Dr. NE
Albuquerque, NM 87111

RE: BUILDING PERMIT SUBMITTAL FOR 310 & 312 MURIEL (K-21/D27) ENGINEER'S
STAMP DATED 7/24/94

Dear Mr. Mann:

Based upon the submittal received by this office on 7/25/94, the referenced project is approved for Building Permit.

Prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist.

A Work Order Permit will be required for the work to be done within the Muriel right-of-way.

A copy of this approval letter should be attached to the construction drawings for Hydrology signoff.

If I can be of further assistance, feel free to contact me at 768-3622.

Cordially,

Scott Davis
PWD, Hydrology Division

c: Andrew Garcia
File

(wp+8705)

DRAINAGE PLAN

The following items concerning the Barkhurst Drainage Plan on Muriel Street NE are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

The proposed improvements, as shown on the Vicinity Map, are located on the east side of Muriel Street NE just north of Buena Ventura Road. The site is currently undeveloped. The site does not lie within a designated flood hazard zone.

The project site slopes from east to west. The lands surrounding the site have been developed. A concrete curb and building wall along the north property line, a block wall along the east property line and a block wall and building wall along the south property line prevent off site flows from entering the project site. The site is higher than the street to the west.

The Grading Plan shows 1) the existing and proposed grades, indicated by spot elevations and contours at 1'-0" intervals, 2) continuity between existing and proposed elevations, 3) the limit and character of the existing improvements and 4) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of two buildings with associated parking and landscaping for each building. Flows from the front and the rear of the buildings will flow to the street through the driveway.

The Calculations, which appear below, analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The calculations are in accordance with the Design Process Manual, Volume II, Section 22. As shown by these calculations, the rate and runoff will increase slightly. The minor increase is acceptable since this is an infill site.

CALCULATIONS

Precipitation Zone = 3
Area per Lot = 0.155 acres

Existing Conditions

Land Treatment

- A 0.0
- B 0.0
- C 0.155
- D 0.0
- Total 0.155

$E = 1.29 \times 0.155 / 0.155 = 1.29$ inches
 $V = 1.29 \times 0.155 / 12 = 0.02$ acft
 $Q = 3.45 \times 0.155 = 0.5$ cfs

Developed Conditions

Land Treatment

- A 0.0
- B 0.023
- C 0.0
- D 0.132
- Total 0.155

$E = (0.92 \times 0.023 + 2.36 \times 0.132) / 0.155 = 2.15$ inches
 $V = 2.15 \times 0.155 / 12 = 0.03$ acft
 $Q = 2.60 \times 0.023 + 5.02 \times 0.132 = 0.7$ cfs

Increase in Volume = $0.03 - 0.02 = 0.01$ acft
Increase in Rate = $0.7 - 0.5 = 0.2$ cfs

BENCHMARK

ACS Brass Cap 1-L21(R)
located in the nose of the median
on Central Avenue just west of
Juan Tabo. Elevation = 5534.54.

LEGAL DESCRIPTION

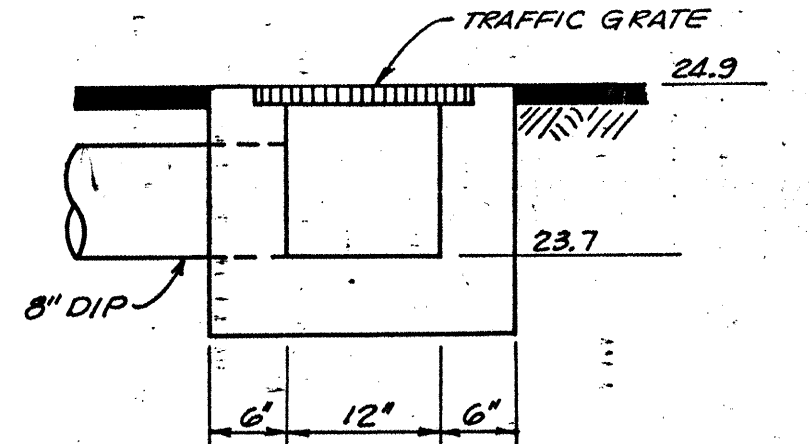
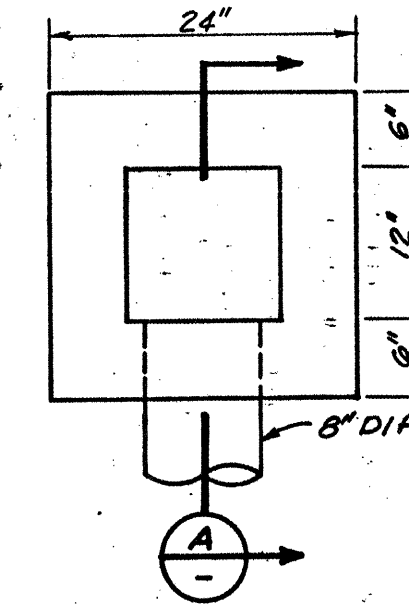
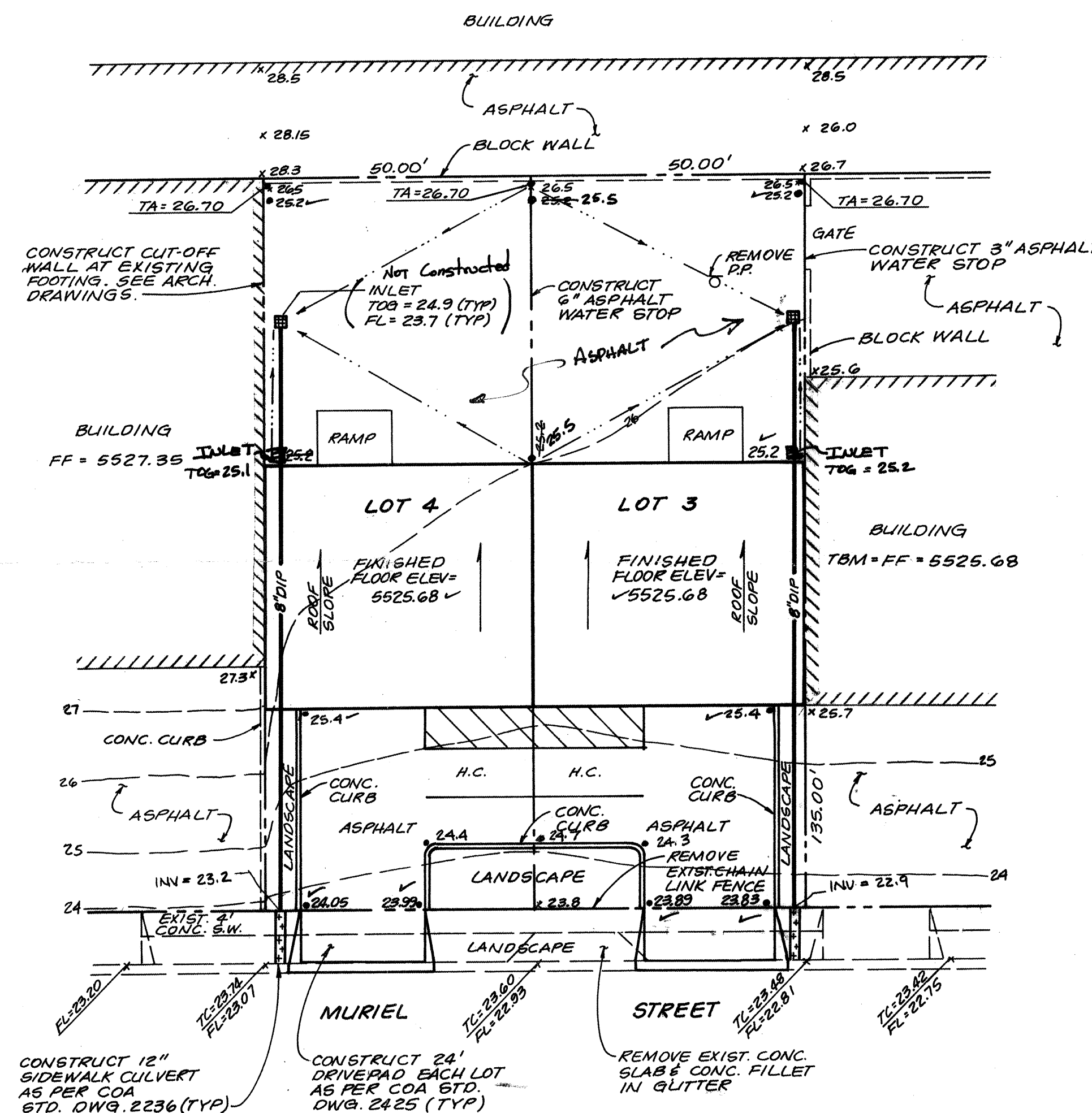
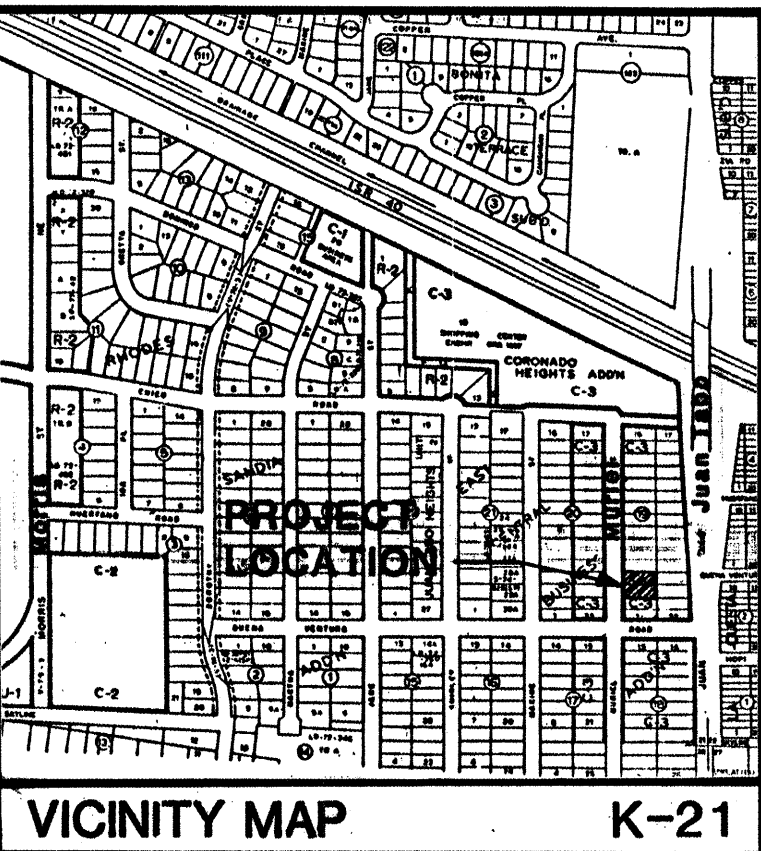
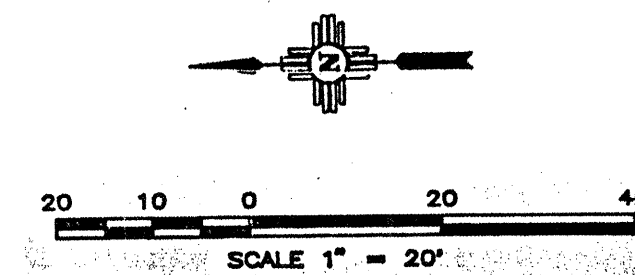
Lots 3 and 4, Block 19, East
Central Business Addition.

ADDRESS

310 and 312 Muriel Street NE

LEGEND

- EXISTING CONTOUR
- 23.5 EXISTING SPOT ELEVATION
- 26.7 NEW SPOT ELEVATION
- SWALE
- ✓ VERIFIED ELEVATION
- 24.5 AS BUILT ELEVATION
- 25.5



NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specifications for Public Works Construction, 1985, latest update.
3. Two working days prior to any excavation, contractor must contact Line Locating Service, 260-1990, for location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all facilities. 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 street use.
6. Maintenance of these facilities shall be the responsibility of the Owner of the property served.

THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL
COMPLIANCE WITH THE APPENDED DRAINAGE PLAN.

11/3/96
12/3/96



| APPROVALS | NAME | DATE |
|---------------|------|------|
| A.C.E./DESIGN | | |
| INSPECTOR | | |
| A.C.E./FIELD | | |

GRADING AND DRAINAGE PLAN
310 & 312 MURIEL STREET, NE