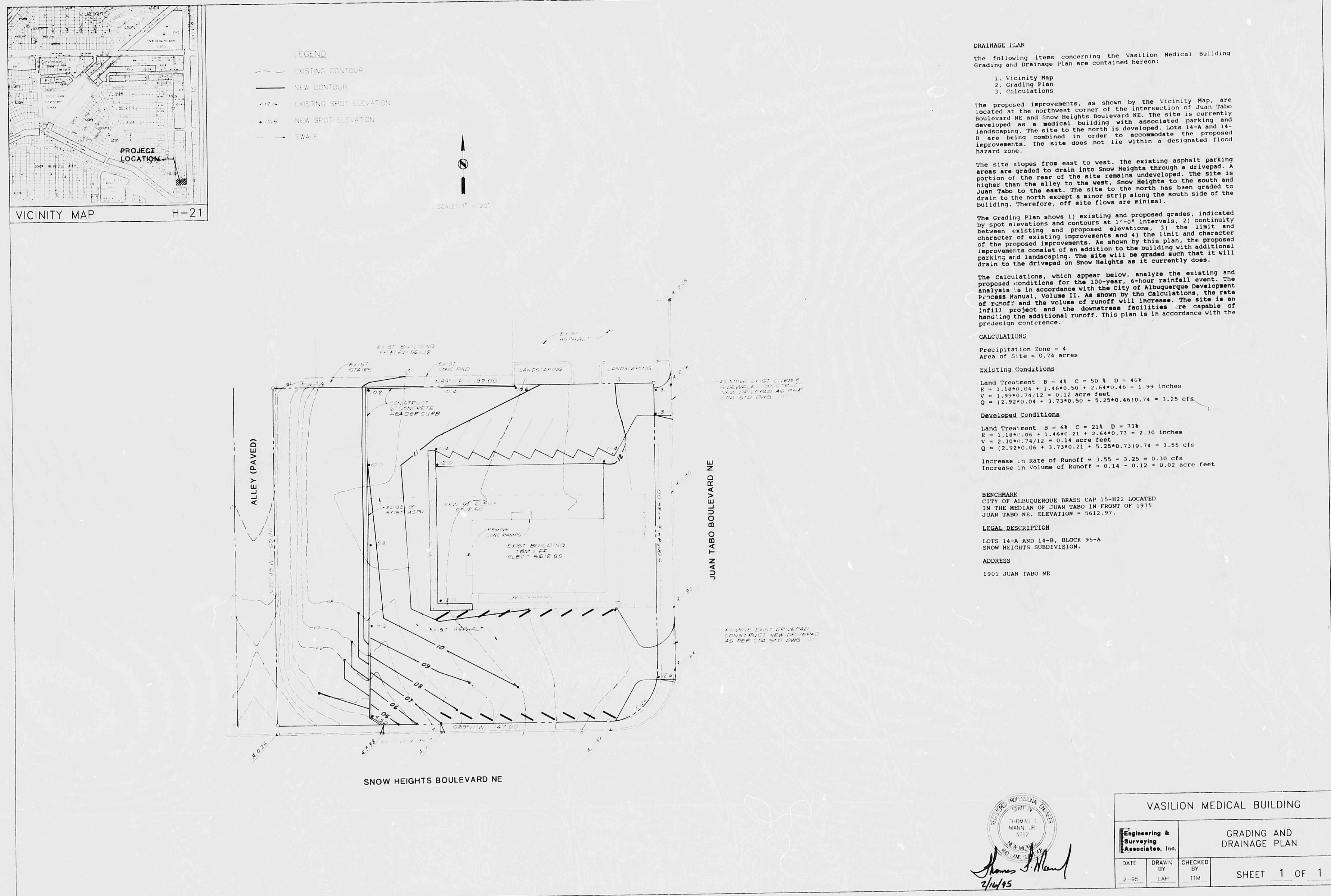




PLAN SHOT TWICE
 ONCE ON LIGHT
 ONCE ON DARK

CITY OF ALBUQUERQUE
 THIS MICROIMAGE IS THE BEST
 POSSIBLE REPRODUCTION DUE
 TO THE POOR QUALITY OF THE
 ORIGINAL DOCUMENT.

Re: 26 DATE 3/27/92 OF E.P.D.

CITY OF ALBUQUERQUE
 This microimage is certified
 to be a complete and accurate
 copy of the original as it
 appears in the files of the
 Public Works Department
 and was created in the normal
 course of business.

The photographic process used
 meets the Basic Microfilm
 Standards of the National
 Micrographics Association
 (ANSI Z39.18-1977)

John T. Kelly
 DIRECTOR

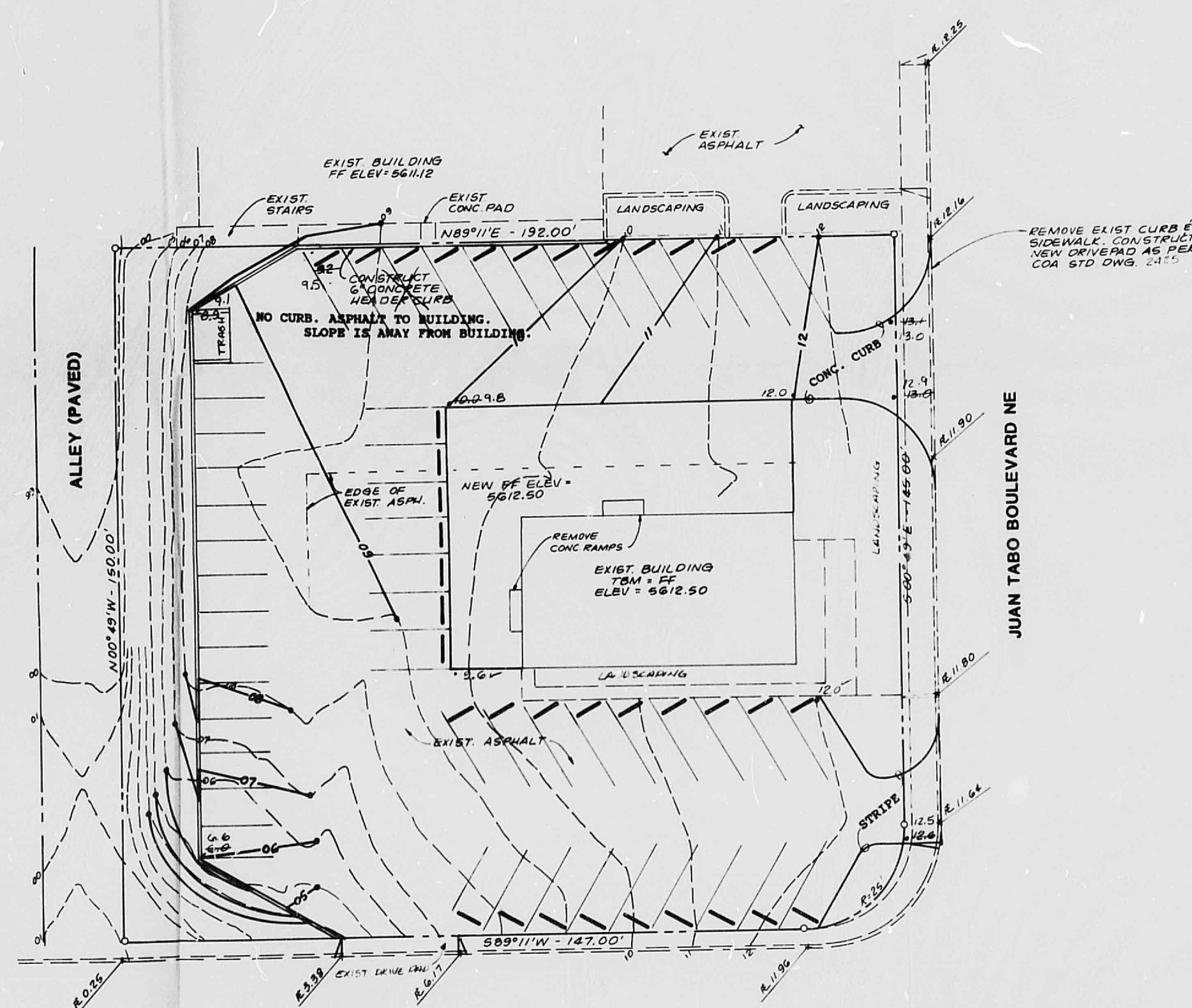
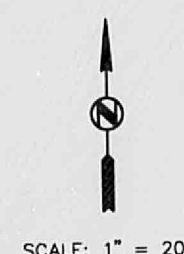
Roberto Duran
 NOTARY PUBLIC

CERTIFIED
Roberto Duran
 07/01/92



VICINITY MAP H-21

- LEGEND**
- EXISTING CONTOUR
 - NEW CONTOUR
 - 12.5 EXISTING SPOT ELEVATION
 - 12.5 NEW SPOT ELEVATION
 - SWALE



SNOW HEIGHTS BOULEVARD NE

CERTIFICATION
THIS PLAN DIFFERS FROM THE APPROVED PLAN IN THAT ADDITIONAL PARKING WAS ADDED WEST OF THE BUILDING. THE CALCULATIONS HAVE BEEN MODIFIED TO REFLECT THE ADDITIONAL PARKING. "AS-BUILT" ELEVATIONS ARE SHOWN. THE RUNOFF EXITS THE SITE AS SHOWN IN THE APPROVED PLAN. THEREFORE, THIS PLAN ACCOMPLISHES THE INTENT OF THE APPROVED PLAN.

THOMAS T. MANN, JR., INPE & P.E.
6-26-95



DRAINAGE PLAN

The following items concerning the Vasilion Medical Building Grading and Drainage Plan are contained herein:

1. Vicinity Map
2. Grading Plan
3. Calculations

The proposed improvements, as shown by the Vicinity Map, are located at the northwest corner of the intersection of Juan Tabo Boulevard NE and Snow Heights Boulevard NE. The site is currently developed as a medical building with associated parking and landscaping. The site to the north is undeveloped. Lots 14-A and 14-B are being combined in order to accommodate the proposed improvements. The site does not lie within a designated flood hazard zone.

The site slopes from east to west. The existing asphalt parking areas are graded to drain into Snow Heights through a driveway. A portion of the rear of the site remains undeveloped. The site is higher than the alley to the west, Snow Heights to the south and Juan Tabo to the east. The site to the north has been graded to drain to the north except a minor strip along the south side of the building. Therefore, off site flows are minimal.

The Grading plan shows 1) 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 proposed improvements, and 4) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of an addition to the building with additional parking and landscaping. The site will be graded such that it will drain to the driveway on Snow Heights as it currently does.

The Calculations, which appear below, analyze the existing and proposed conditions for the 100-year, 6-hour rainfall event. The analysis is in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by the calculations, the rate of runoff and the volume of runoff will increase. The site is an infill project and the downstream facilities are capable of handling the additional runoff. This plan is in accordance with the pre-design conference.

CALCULATIONS

Precipitation Zone - 4
Area of Site = 0.74 acres

Existing Conditions

Land Treatment B = 48 C = 50 D = 468
E = 1.18*0.04 + 1.46*0.50 + 2.64*0.46 = 1.99 inches
V = 1.99*0.74/12 = 0.12 acre feet
Q = (2.92*0.04 + 3.73*0.50 + 5.25*0.46)/0.74 = 3.25 cfs

Developed Conditions

Land Treatment B = 68 C = 128 D = 824
E = 1.18*0.06 + 1.46*0.12 + 2.64*0.82 = 2.41 inches
V = 2.41*0.74/12 = 0.15 acre feet
Q = (2.92*0.06 + 3.73*0.12 + 5.25*0.82)/0.82 = 3.65 cfs

Increase in Rate of Runoff = 3.65 - 3.25 = 0.40 cfs
Increase in Volume of Runoff = 0.15 - 0.12 = 0.03 acre feet

BENCHMARK

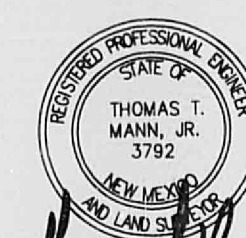
CITY OF ALBUQUERQUE BRASS CAP 15-M22 LOCATED IN THE MIDDLE OF JUAN TABO IN FRONT OF 1935 JUAN TABO NE. ELEVATION = 5612.97.

LEGAL DESCRIPTION

LOTS 14-A AND 14-B, BLOCK 95-A SNOW HEIGHTS SUBDIVISION.

ADDRESS

1901 JUAN TABO NE



THOMAS T. MANN, JR.
6-26-95

VASILION MEDICAL BUILDING

Engineering & Surveying Associates, Inc.

DATE 2-95 DRAWN BY LAH CHECKED BY TTM

GRADING AND DRAINAGE PLAN

SHEET 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

DATE 2-27-95 BY LSP

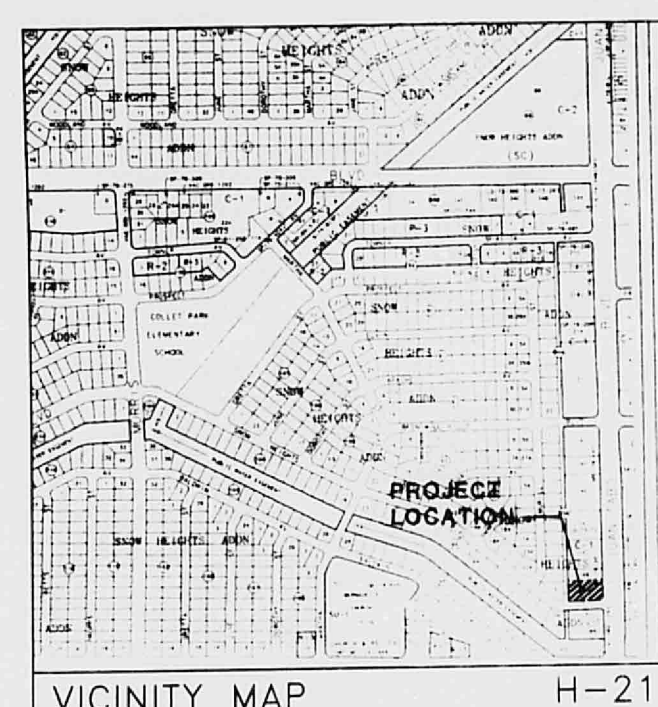
CITY OF ALBUQUERQUE
This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the Public Works Department and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (ANSI Z39.18-1977)

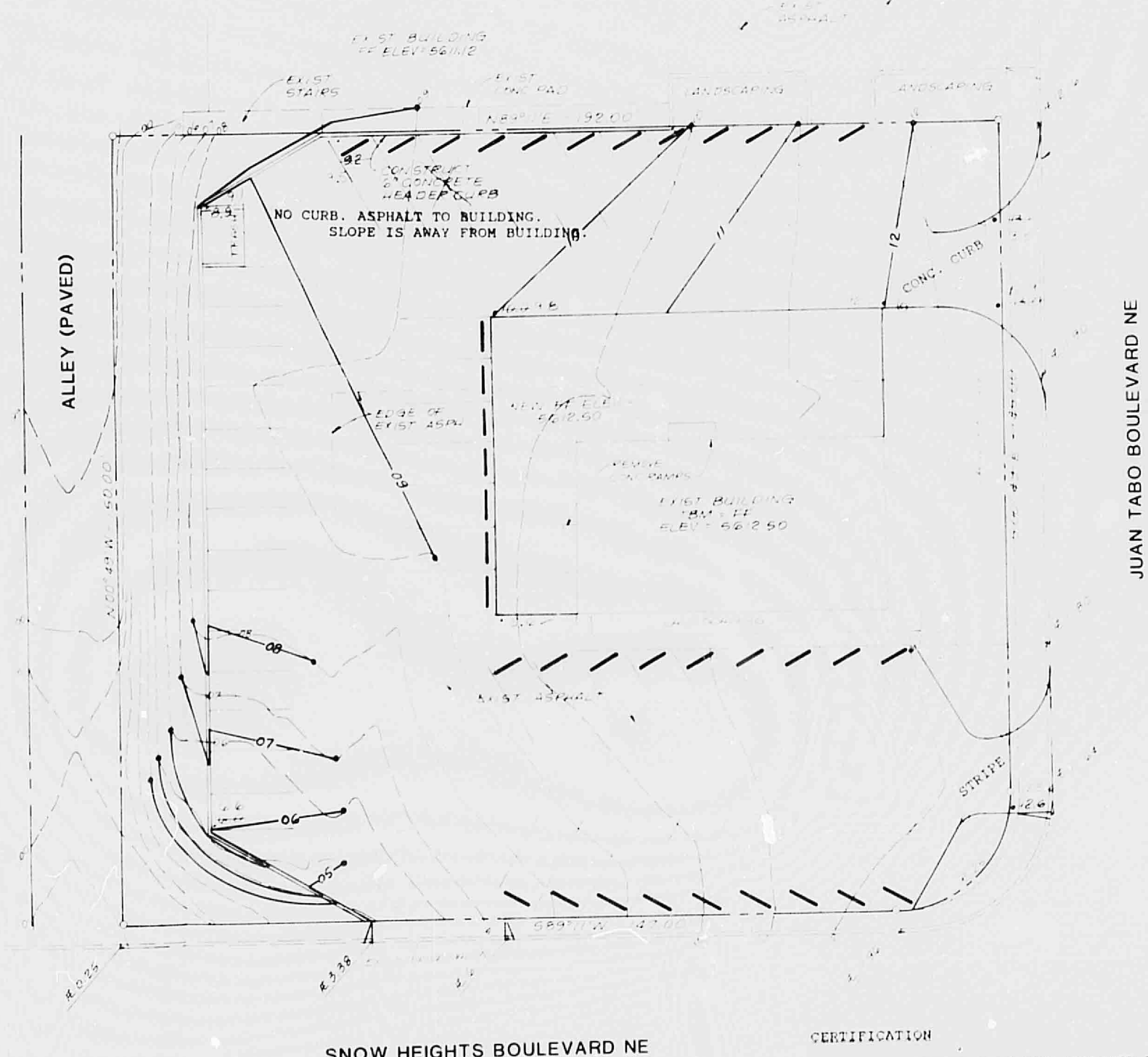
Roberta Duran
DIRECTOR

Roberta Duran
NOTARY PUBLIC

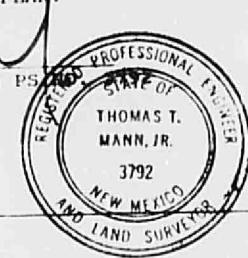
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
6-26-95



LEGEND
 --- EXISTING CONTOUR
 --- NEW CONTOUR
 --- EXISTING SPOT ELEVATION
 --- NEW SPOT ELEVATION
 --- SWALE



CERTIFICATION
 THIS PLAN DIFFERS FROM THE APPROVED PLAN IN THAT ADDITIONAL PARKING HAS BEEN ADDED WEST OF THE BUILDING. THE CALCULATIONS HAVE BEEN MODIFIED TO REFLECT THE ADDITIONAL PARKING. "AS-BUILT" ELEVATIONS ARE SHOWN. THE RUNOFF EXITS THE SITE AS SHOWN IN THE APPROVED PLAN. THEREFORE, THIS PLAN ACCOMPLISHES THE INTENT OF THE APPROVED PLAN.
 THOMAS T. MARK, JR.
 6/26/95



DRAINAGE PLAN
 The following items concerning the Vasilion Medical Building Grading and Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

The proposed improvements, as shown by the Vicinity Map, are located at the northwest corner of the intersection of Juan Tabo Boulevard NE and Snow Heights Boulevard NE. The site is currently developed as a medical building with associated parking and landscaping. The site to the north is undeveloped. Lots 14-A and 14-B are being combined in order to accommodate the proposed improvements. The site does not lie within a designated flood hazard zone.

The site slopes from east to west. The existing asphalt parking areas are graded to drain into Snow Heights through a driveway. A portion of the rear of the site remains undeveloped. The site is higher than the alley to the west. Snow Heights to the south and Juan Tabo to the east. The site to the north has been graded to drain to the north except a minor strip along the south side of the building. Therefore, off site flows are minimal.

The Grading Plan shows 1) existing and proposed grades, indicated by spot elevations and contours at 1'-0" intervals, 2) the limit and character of existing improvements and 3) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of an addition to the building with additional parking and landscaping. The site will be graded such that it will drain to the driveway on Snow Heights as it currently does.

The Calculations, which appear below, analyze the existing and proposed conditions for the 100-year, 6-hour rainfall event. The analysis is in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by the calculations, the rate of runoff and the volume of runoff will increase. The site is an infiltration project and the downstream facilities are capable of handling the additional runoff. This plan is in accordance with the preceding conference.

CALCULATIONS
 Precipitation Zone = 4
 Area of site = 0.74 acres

Existing Conditions
 Land Treatment: B = 44, C = 50, D = 46
 $E = 1.18(0.04 + 1.40(0.50 + 2.04(0.46 + 1.99 \text{ inches}))$
 $V = 1.0(0.04/0.12) = 0.33 \text{ acre feet}$
 $Q = (2.92(0.04 + 3.73(0.50 + 5.25(0.46(0.74) = 1.25 \text{ cfs}$

Developed Conditions
 Land Treatment: B = 64, C = 124, D = 82
 $E = 1.18(0.04 + 1.40(0.12 + 2.44(0.82 + 2.41 \text{ inches}))$
 $V = 1.0(0.12/0.12) = 0.15 \text{ acre feet}$
 $Q = (2.92(0.04 + 3.73(0.12 + 5.25(0.73(0.82) = 3.45 \text{ cfs}$

Increase in Rate of Runoff = $3.45 - 1.25 = 2.20 = 0.40 \text{ cfs}$
 Increase in Volume of Runoff = $0.15 - 0.33 = -0.03 \text{ acre feet}$

BENCHMARK
 CITY OF ALBUQUERQUE BRASS CAP 15-H22 LOCATED IN THE MIDDLE OF JUAN TABO IN FRONT OF 1935 JUAN TABO NE ELEVATION = 512.97'

LEGAL DESCRIPTION
 LOTS 14-A AND 14-B, BLOCK 95-A SNOW HEIGHTS SUBDIVISION

ADDRESS
 1901 JUAN TABO NE

DATE
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

THOMAS T. MARK, JR.
 6/14/95

PLAN SHOT TWICE
 ONCE ON LIGHT
 ONCE ON DARK

CITY OF ALBUQUERQUE
 THIS MICROFILM IS THE BEST POSSIBLE REPRODUCTION OF THE ORIGINAL DOCUMENT.

DATE 3/24/92 OF 12P

CITY OF ALBUQUERQUE
 This microfilm is certified to be a complete and accurate copy of the original as it appears in the files of the Public Works Department and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (ANSI-1977)

Director

Notary Public

07/01/92/Jan

VASILION MEDICAL BUILDING			
Engineering & Surveying Associates, Inc.		GRADING AND DRAINAGE PLAN	
DATE	DRAWN BY	CHECKED BY	SHEET 1 OF 1
6/14/95	TH	TW	

F 30

D 24

C 20

B 16

A 12

CITY OF ALBUQUERQUE

C

D

F