HYDROLOGY

G16/D87

G16/D87

2 PLANS

Carlisle Investment Co.
c/o Richard G. Vaughan
4301 Carlisle Boulevard, N.E.
Suite A
Albuquerque, New Mexico 87107

December 5, 1980

City of Albuquerque
Building and Inspection Division
Post Office Box 1293
Albuquerque, New Mexico 87103

Re: Certificate of Occupancy @ 4301 Carlisle Boulevard, N.E.
Drainage - South Property Line

Gentlemen:

An approximate 5-6' strip along the south property at the west end was indicated on the plans to be sloped 3/1 and covered with plastic and rock. The strip is contained between a concrete curb and redwood curb. It is our intent to landscape this strip with low cover plants in lieu of rock and plastic which should provide better erosion control than hard plastic. I trust this clarification will permit you to issue the Certificate of Occupancy as discussed with the inspector today.

Sincerely,

CARLISLE INVESTMENT CO.

Richard G. Vaughan

RICHARD G. VAUGHAN, P.E.
Managing Partner

DESIGN PROFESSIONALS, INC.
4125 CARLISLE, NE, ALBUQUERQUE, N.M. 87107 (505) 881-6336

Date April 24, 1980 Project No.

Project Carlisle North Office Building
4215 Carlisle Blvd., NE

To: City of Albuquerque - Drainage
P.O. Box 1293
Albuquerque, NM
Attention: Fred Aguirre

☑ Transmittal
☐ Memorandum
☐ Shop Drawing No.
Quantity

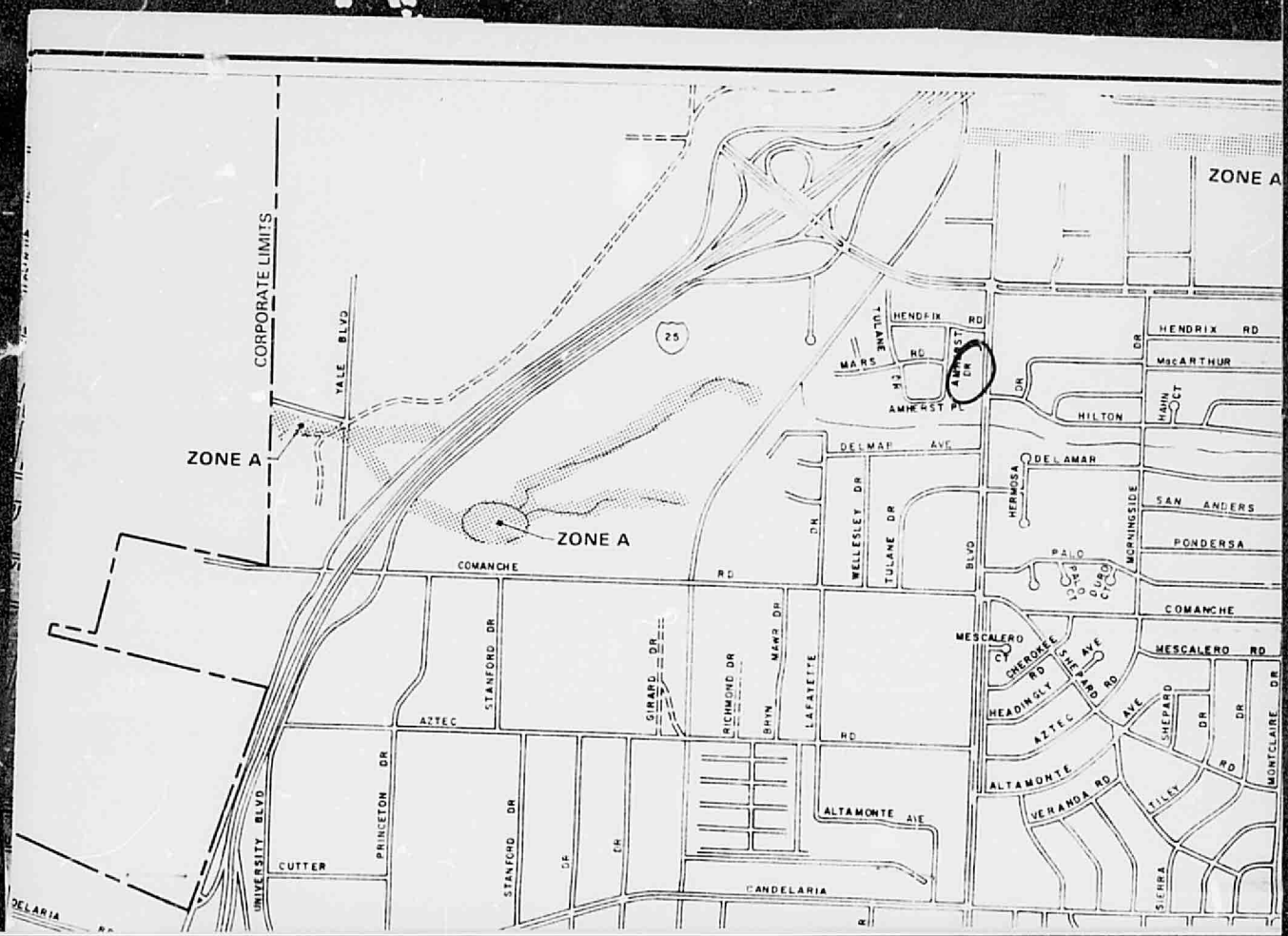
Attached are three copies of the site plan for the referenced project reflecting changes requested by Bill from your office. The ponding area along the south PL has been for the most part deleted and a means of conveying water below the public sidewalk on the east side of the building has been provided. Corrections to "Q" and total volume discharged are shown to reflect the above. The original drainage report was submitted to you on February 22, 1980.

Thank you for your attention to this matter.

Signed: Richard H. Allen, PE

cc File: 7921

ARCHITECTS / ENGINEERS


ZONE A
CORPORATE LIMITS
YALE BLVD
ZONE A
ZONE A
25
HENDRIX RD
MARS RD
TULANE DR
AMHERST DR
AMHERST PL
HENDRIX RD
MacARTHUR
HILTON
HAHN CT
DELMAR AVE
DELAMAR
HERMOSA
SAN ANDERS
PONDERSA
PALO
MORNINGSIDE
COMANCHE RD
WELLESLEY DR
TULANE DR
BLVD
COMANCHE
MESCALERO
MESCALERO RD
CHEROKEE RD
SHEPARD RD
AVE
HEADINGLY
AZTEC AVE
SHEPARD
DR
DR
MONTCLAIRE DR
ALTAMONTE
VERANDA RD
TILLEY
RD
SIERRA
STANFORD DR
GIRARD DR
RICHMOND DR
MAHR DR
BRYN
LAFAYETTE
RD
AZTEC
ALTAMONTE AVE
PRINCETON DR
UNIVERSITY BLVD
CUTTER
STANFORD DR
DR
DR
CANDELARIA
DELARIA

DESIGN PROFESSIONALS, INC.
4125 CARLISLE, NE, ALBUQUERQUE, N.M. 87107 (505) 881-6336

Date February 22, 1980 Project No. 7921

Project Carlisle Investment Company Office Bldg.

To: City of Albuquerque - Drainage Dept
P.O. Box 1293
Albuquerque, New Mexico
Attention: Bravo Conegliano

- [x] Transmittal
- [ ] Memorandum
- [ ] Shop Drawing No. _____
- Quantity _____

Attached are three copies of the site plan/drainage report for Lot 8-B-2, Montgomery Heights Subdivision. Per the guidelines issued by the City Engineer on 11/13/79, ponding of surface runoff is not mandatory as the site is less than 1 acre.

Please review the attached report and notify me of any comments you may have at your earliest convenience.

Signed: Richard H. Allen, PE

cc: File: 7921

RECEIVED
FEB 22 1980
CITY ENGINEER

ARCHITECTS / ENGINEERS

DESIGN PROFESSIONALS, INC.
4125 CARLISLE BOULEVARD, NE/ALBUQUERQUE, NEW MEXICO 87107/(505) 881-6336

April 4, 1980

Mr. Fred J. Aguirre
City of Albuquerque Drainage Dept.
Post Office Box 1293
Albuquerque, New Mexico 87103

SUBJECT: Carlisle North Office Building
Montgomery Heights Subdivision
Lot 8-B-2

Dear Mr. Aguirre:

As per our telecon of April 4, 1980, ponding is not mandatory for the referenced project. A detention pond was utilized on the site due to the slope of the natural ground and proximity of a building on the adjacent property.

Regarding your letter of March 28, 1980, I would like to make the following comments:

1. A T_c of 10 minutes was used together with an intensity of 5.4 inches. The discharge rate of 1.03 cfs was calculated based on a "C" factor of 0.90 (as recommended by the City of Albuquerque) and corresponds to the inflow/outflow rate of the detention pond <u>after</u> the pond has filled with water.
2. The volume of the detention area is 550 cu. ft. (see cross section of detention pond shown on Sheet 1 of the drawings).
3. All run-off will go either to the detention pond or to the landscaped area east of the building. The landscaped area will receive run-off from approximately 2500 sq. ft. of the roof area.
4. Off-site flows are not a problem on this site.
5. The detention basin lies along the southern boundary of the property and will not encroach upon the utility easement.

I believe this should clarify any questions you had on this project regarding drainage. Please notify me as soon as possible if there will be any further delays in obtaining a clearance from your department.

Sincerely,

DESIGN PROFESSIONALS, INC.

Richard H. Allen

RICHARD H. ALLEN, P.E.
Vice President

cc: Richard Heller, P.E.

ARCHITECTS/ENGINEERS

GEORGE H. BOLLING
ROBERT L. ROCHELEAU
JOHN PETER VARSA

RICHARD H. ALLEN
HOWARD S. COTTRELL
RICHARD G. VAUGHAN

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 28, 1980

Mr. Richard H. Allen, P.E.
Design Professionals, Inc.
4125 Carlisle N.E.
Albuquerque, N.M. 87107

Re: Montgomery Heights Subdivision

Dear Mr. Allen:

The following are comments regarding the above subdivision:

1. Assuming a 10 min. Tc and intensity for 100-year = 5.4 in.

   Q developed = 0.95 (all impervious area) X 5.4X0.282 = 1.5 cfs
   1.03 is shown.

2. Cannot verify volume of detention area.

3. Contributing drainage areas are not delineated on the plan sheet. Also, there are no details as to how the roof is to be drained to Carlisle Blvd.

4. There is no mention as to offsite flows.

5. The detention basin cannot be within the utility easement.

Sincerely,

Fred J. Aguirre

Fred J. Aguirre
Civil Engineer

FJA/fs

cc - Drainage File

Dick -

Does the attached seem an adequate response to Fred's letter?

R.C.

Bruno —
Why ask me?
Seems a little short!
RSA

DESIGN PROFESSIONALS, INC.
4125 CARLISLE BOULEVARD, NE/ALBUQUERQUE, NEW MEXICO 87107/(505) 881-6336

April 4, 1980

Mr. Fred J. Aguirre
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Post Office Box 1293
Albuquerque, New Mexico 87103

RECEIVED
APR 07 1980
CITY ENGINEER

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Lot 8-B-2

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DESIGN PROFESSIONALS, INC.

Richard H. Allen

RICHARD H. ALLEN, P.E.
Vice President

cc: Richard Heller, P.E.

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GEORGE H. BOLLING
ROBERT L. ROCHELEAU
JOHN PETER VARGA
RICHARD H. ALLEN
HOWARD S. COTTRELL
RICHARD G. VAUGHAN

1 copy

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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4125 Carlisle N.E.
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Sincerely,

Fred J. Aguirre

Fred J. Aguirre
Civil Engineer

FJA/fs

cc - Drainage File

3/18/80

Montgomery Heights Subdivision

Drainage report ?? incorporated on plan sheet.

1. Assuming a 10 min. Tc and intensity for 100-year = 5.4 in.

   Q developed = 0.95(all impervious area) × 5.4 × 0.282
   = 1.5 cfs
   1.03 is shown.

2. Cannot verify volume of detention area, ~~[illegible]~~

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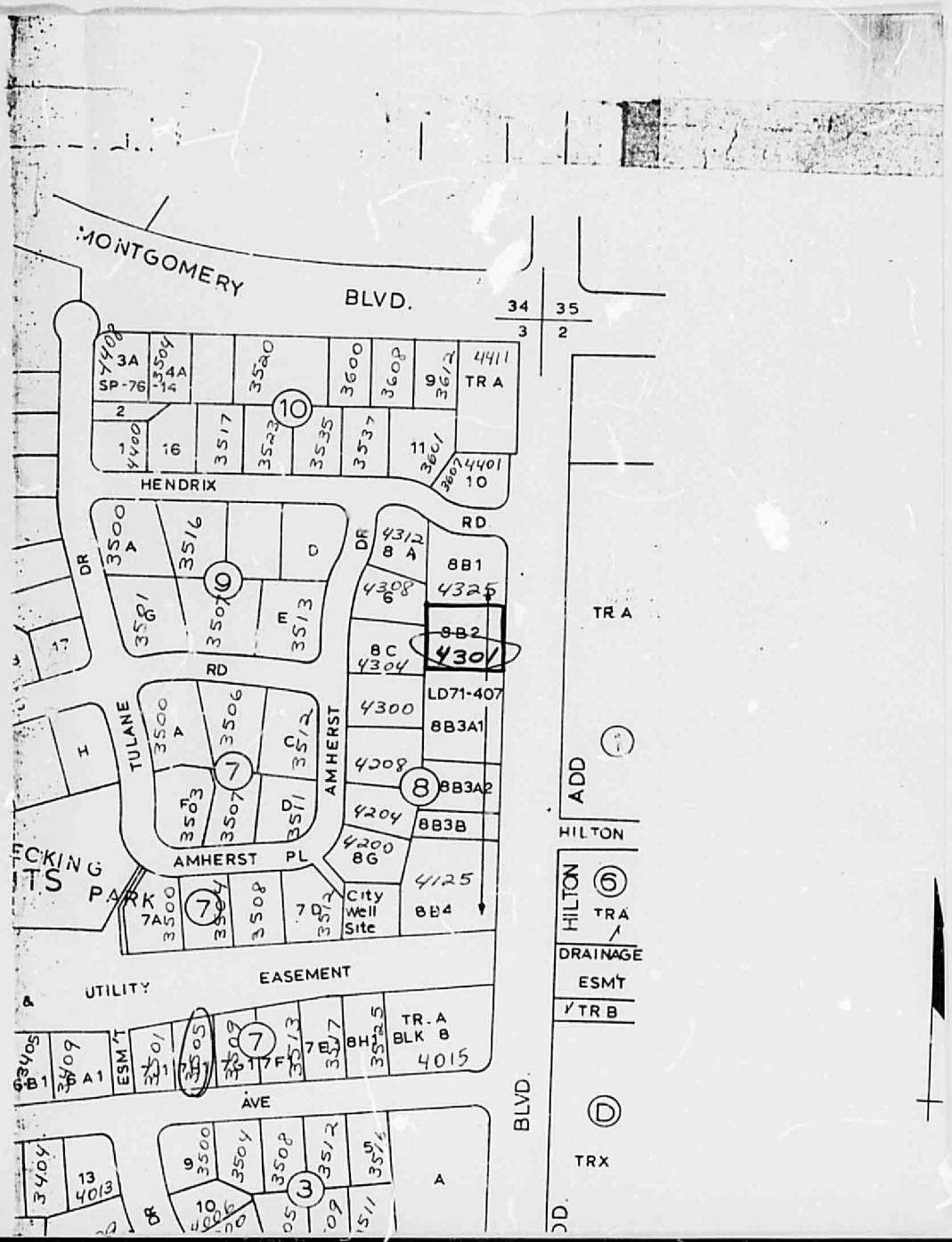
MONTGOMERY BLVD.
34 35
3 2
3A SP-76
4A -14
3520
3600
3608
3612
4411 TR A
10
2
1
4400
16
3517
3523
3535
3537
11
3601
3607
4401 10
HENDRIX RD
3500 A
3516
D
9
3581 G
3507
E
3513
DR
4312 8 A
8B1
4308 6
4325
8B2
4301
8C 4304
LD71-407
4300
8B3A1
4208
8
8B3A2
4204
8B3B
4200 8G
4125
8B4
City Well Site
TR A
ADD
HILTON
6
TR A
DRAINAGE ESM'T
TR B
D
TRX
BLVD.
17
H
TULANE
3500 A
3506
C
3512
7
3503 F
3507
D
3511
AMHERST PL
AMHERST
7A 3500
3504
3508
7D
3512
UTILITY EASEMENT
3405
3409
A1
ESM'T
3501
3505
7
3509
3513
7E
3517
7F
3521
8H
3525
TR-A BLK 8
4015
AVE
3404
13 4013
9 3500
3504
3508
3
3512
5
A
10 4006
3511

394,000
HENDRIX
RD
AMHERST
AMHERST
DR
DRAINAGE
5100
5100
AVE
TULANE
RD
SAN ANDRES DR