E18/D44

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E18/D44

25×10

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B18/D44

REVISED

DRAINAGE REPORT

FOR

REPLAT OF TRACT "B", UNIT 16, ACADEMY ACRES

JUNE 1992

PREPARED FOR:

THE STROSNIDER COMPANY

6121 INDIAN SCHOOL ROAD N.E.

SUITE 275

ALBUQUERQUE, NEW MEXICO 87110

PREPARED BY:

SANTIAGO ROMERO JR. & ASSOCIATES, INC.

6139 EDITH BLVD. N.E.

ALBUQUERQUE, NEW MEXICO 87107

RECEIVED
JUN 5 1992
HYDROLOGY DIVISION

SANTIAGO ROMERO JR.
NEW MEXICO
6/5/92
REGISTERED PROFESSIONAL ENGINEER

25×10

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DRAINAGE REPORT
FOR
REPLAT OF TRACT "B", UNIT 16 ACADEMY ACRES

Drainage Information Sheet	1
Drainage Information Sheet	**1A**
Conference Recap	2
Conceptual Grading and Drainage Approval	3
Purpose and Scope	4
Site Location and Description	4
Method of Analysis	4
Existing Drainage Conditions	5
Developed Drainage Conditions	5
Erosion Control Plan	5
Calculations	6-7
Conclusions	8

FIGURES

Figure 1 - Location Map

Figure 2 - Bernalillo County Soils Map (Plate 21)

Figure 3 - Plat

Figure 4 - Grading and Drainage Plan, Sheet 1 & 2 of 2

Appendix A-1

Appendix A-2

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DRAINAGE REPORT
FOR
REPLAT OF TRACT "B", UNIT 16 ACADEMY ACRES

Drainage Information Sheet	1
Conference Recap	2
Conceptual Grading and Drainage Approval	3
Purpose and Scope	4
Site Location and Description	4
Method of Analysis	4
Existing Drainage Conditions	5
Developed Drainage Conditions	5
Erosion Control Plan	5
Calculations	6-7
Conclusions	8

FIGURES

Figure 1 - Location Map

Figure 2 - Bernalillo County Soils Map (Plate 21)

Figure 3 - Plat

Figure 4 - Grading and Drainage Plan, Sheet 1 & 2 of 2

Appendix A-1

Appendix A-2

25×10

CITY OF ALBUQUERQUE
M .CIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SEC..ON

TUES
3:00

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: E-18 DATE: 1-13-87

PLANNING DIVISION NOS: EPC: _____ DRB: _____

SUBJECT: TOWNHOUSE SUBDIVISION

STREET ADDRESS (IF KNOWN): FOREST HILLS DR NE, WEST OF LOUISIANA

SUBDIVISION NAME: Tract A - Unit 16 - Academy Estates

APPROVAL REQUESTED:

X PRELIMINARY PLAT
X SITE DEVELOPMENT PLAN
____ OTHER

____ FINAL PLAT
____ BUILDING PERMIT
____ ROUGH GRADING

ATTENDANCE:	WHO	REPRESENTING
	~~Tom Romero~~	
	FERNANDO SANDIVAL	SANTIAGO - ROMERO
	~~ROGER GREEN~~	CITY HYDROLOGY

FINDINGS:

(1). Zoned SU-1, therefore site Development Plan approval is required from EPC and DRB. This requires an Approved Conceptual Grading and Drainage Plan by Hydrology Section for City Engineer's signoff.

(2) Preliminary and Final Plat approvals at the DRB requires an Approved Grading and Drainage Plan from Hydrology per the DPM requirements.

(3) Adjacent to Pino Arroyo. STATUS OF TREATMENT AND LOCATION MUST BE SHOWN ON GRADING PLANS AFTER VERIFICATION WITH DAN HOGAN OF DESIGN HYDROLOGY SECTION. OFFICIAL FEMA MAPS, PANEL 17 shows site is directly South of the 100 yr. FLOOD ZONE.

(4) IF DEVELOPMENT TAKES PLACE PRIOR TO CITY'S OBLIGATION OF CONSTRUCTION FUNDS FOR PINO ARROYO TREATMENT, THAN TREATMENTS MAY BE THE RESPONSIBILITY OF THE DEVELOPER.

(5). PLATTING REQUEST MUST INCLUDE VACATION REQUEST OF EXISTING DRAINAGE EASEMENTS.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED:	Roger A Green PE	SIGNED:	[illegible]
TITLE:	Civil Engineer	TITLE:	Developer
DATE:	1-13-87	DATE:	1/13/87.

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

25x10

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

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

May 14, 1987

Thomas A. Romero
Santiago Romero, Jr. & Associates
2828 Twelth Street, NW Suite B
Albuquerque, New Mexico 87107

RE: CONCEPTUAL GRADING & DRAINAGE PLAN SUBMITTAL OF ACADEMY ACRES, TRACT B, UNIT 16, RECEIVED APRIL 27, 1987 FOR SITE DEVELOPMENT PLAN APPROVAL (E-18/D44)

Dear Tom:

The drainage scheme of the above referenced submittal dated April 24, 1987, is approved for Site Development Plan sign-off by the City Engineer.

Prior to Preliminary Plat approval, the following items are required:

1. A more detailed grading and drainage plan showing hydrology calculations for the on-site and off-site watersheds, proposed spot elevations on all lots, street grades of Louisiana and Forest Hills, adjacent development grades, and elevations of the Pino Arroyo improvements.

2. Lots 1 through 13 cannot be platted unless evidence is provided that construction funds are available for the treatment of the Pino Arroyo to San Pedro Drive.

3. Vacation action for Forest Hills Drive has gone through the DRB Public Hearing process.

If you have any questions, call me at 768-2650.

Cordially,

Roger A Green, PE

Roger A. Green, P.E.
C.E. Hydrology Section

PUBLIC WORKS DEPARTMENT

Walter Nickson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

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0000 0000 2258

DRAINAGE REPORT
FOR
REPLAT OF TRACT "B", UNIT 16, ACADEMY ACRES
THE STROSNIDER COMPANY

PURPOSE AND SCOPE:

This drainage report has been prepared to outline the treatment of storm water flowing to and generated within the Replat of Tract "B", Unit 16, Academy Acres. It has been prepared in accordance with the guideline of the City of Albuquerque's Development Process Manual (DPM), Chapter 22, entitled "Drainage and Flood Control".

SITE LOCATION AND DESCRIPTION:

The site is located between Louisiana Blvd. NE and San Pedro Dr. NE approximately one block south of San Antonio Blvd. NE. The site contains approximately 9.5 acres. It slopes from east to west at approximately 3%. The soil on the site consists of Embudo (EmB). The location of the soil type is indicated on the attached copy of the Soil Survey of Bernalillo County prepared by the Soil Conservation Service (Figure 2). This soil type is classified as hydrologic soil Group "B".

METHOD OF ANALYSIS:

The site consists of 3 basins (A,B, & C). Basin "C" generates offsite flows via Glendora Dr. NE. The flows from Basin "C" generate a Q100 of 99 cfs. Basin "A", which is within this development, contributes flow to Forest Hill Dr. and subsequently to the intersection of Glendora Dr. and Forest Hills Dr.; as does Basin "C". The combined flow from these two basins is 115 cfs. Basin "B" generates flow to San Pedro Dr. from Forest Hills Dr. only and this present drainage pattern and flow will remain unchanged. No additional flows are discharged to Forest Hills Dr. west of Glendora as a result of this development.

The point of analysis for the combined Basins "C" and "A" is at the intersection of Glendora Dr. and Forest Hills Dr.. A drainage structure 18.5 ft. wide will be constructed at this location within a 20 ft. wide drainage easement. The flows will not exceed 1 ft. in depth nor pose a flooding condition to any of the existing or proposed residences at this location. The structure will discharge to an existing concrete rundown structure constructed as part of the recent Pino Arroyo Improvement.

The lots located north of Forest Hills Dr. will free discharge to the improved Pino Arroyo. The lots will not discharge to Forest Hills Dr..

Peak flow rates for the developed basins were determined by application of the Rational Method.

Rainfall intensities were determined by applying plates 22.2 D-1 and 22.2 D-2 of the DPM. The 100 year intensity was determined to be 5.07" for Basin "A" and 6.20" for Basin "B" in 1 hour.

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EXISTING DRAINAGE CONDITIONS:

The site slopes from east to west and is bounded on the north by the recently improved Pino Arroyo, by Louisiana Blvd. on the east, and by existing residential subdivisions to the south. The site is bisected north to south by a drainage easement which conveys storm water across the site immediately north of the Glendora Dr. and Forest Hills intersection to the Pino Arroyo.

The flood plain limits as outlined on the flood maps is now contained within the improved Pino Arroyo channel. Although the channel outlet occurs west of Glendora Dr. and east to westerly boundary of the site it is understood that the flows at this point would be directed to the existing arroyo within a 200 ft. drainage easement north of this development.

DEVELOPED DRAINAGE CONDITIONS:

The street grades proposed would create a water block at the Louisiana Blvd. and Forest Hills Dr. intersection. The off-site flows would utilize the existing inlets at this intersection. The flows would be discharged at the Pino Arroyo from a 30" R.C.P. storm sewer in Louisiana Blvd. NE.. Street flows and the residences south of Forest Hills Dr. will discharge to an 18.5 wide improved channel between Forest Hills Dr. and the Pino Arroyo. Lots north of Forest Hills Dr. will sheet flow discharge to the Pino Arroyo. No discharge from these lots will be directed to Forest Hills Dr.. Lots will have a solid concrete masonry unit wall with openings at the back wall for discharge of flows. Grade differences between lots or between lots and the Pino Arroyo do not exceed 1 ft. of vertical differences, therefore no retaining walls are required.

EROSION CONTROL PLAN:

The contractor shall be required to prevent the build-up of soils eroded from the site onto existing streets as a result of storm water runoff. The Contractor shall also be required to prevent the loss of soil due to wind. The Contractor will not be allowed to remove the curb at the intersection of Louisiana Blvd. NE and Forest Hills Dr. until adequate provisions have been installed to assure that no downstream properties are in danger of flooding during the construction phase.

25×

June 15, 1992

Job No. 92-01-08

DRAINAGE CALCULATIONS

A. BASIC ASSUMPTIONS

1. Discharge from the proposed subdivision will drain onto two separate locations. One point of discharge is the concrete drainage channel being constructed at Glendora Drive and Forest Hills Drive. The other point is at the intersection of San Pedro Blvd. and Forest Hills Drive. No significant increase to the discharge amount will occur at this intersection as a result of this development.

2. This subdivision comprises of two drainage basins (on-site) a third basin (off-site) will discharge into the above mentioned drainage channel at Glendora Drive, which presently drains into the Pino Arroyo.

3. All the lots being constructed on the north side of Forest Hills Drive will free discharge, sheet flow, into the Pino Arroyo.

4. No other off-site flows will be accepted onto this site. The flows from east of Louisiana Blvd. are intercepted by drop inlets and discharged to the Pino Arroyo via a 30" RCP storm sewer in Louisiana Blvd..

B. CONTRIBUTING AREAS

1. Basin "A" (On-Site)
   a) Total Area = 170,275 S.F.
   b) Paved Area = 98,850 S.F.
   c) Roof Area = 31,500 S.F.
   d) Lawn & Landscaping = 64,318 S.F.

2. Basin "B" (On-Site)
   a) Total Area = 57,075 S.F.
   b) Paved Area = 45,325 S.F.
   c) Landscaping = 11,750 S.F.

3. Basin "C" (Off-Site)
   a) Q = 99 CFS

C. RUNOFF COEFFICIENTS (COMPOSITE C)

1. Basin "A" =

$$\frac{98,850}{194,277}\ 0.95 + \frac{31,500}{194,277}\ 0.90 + \frac{64,318}{194,277}\ 0.33$$

C = 0.70

2. Basin "B" =

$$\frac{45,325}{57,075}\ 0.95 \quad \frac{11,750}{57.025}\ 0.25$$

C = 0.80

25×10

D. TIME OF CONCENTRATION (T_c)

$T_c = 0.0078 \times (L^{0.77} / S^{0.385})$

1. Basin "A" = L = 1583 S = 2.67% T_c = 9.20 Min
2. Basin "B" = L = 1011 S = 3.09% T_c = 6.20 Min
3. Basin "C" = L = 1950 S = 2.46% T_c = 11.10 Min (Use 10 min)

E. RAINFALL INTENSITY (I)

1. Rainfall Volume 2.3" (100 Yr. Freq.) Plate 22.2 D-1

   a) Basin "A" $I = 2.3 \times 6.84 \times 9.20^{0.51} = I = 5.07"$

   b) Basin "B" $I = 2.3 \times 6.84 \times 6.20^{0.51} = I = 6.20"$

F. PEAKFLOW RUNOFF (Q = CIA)

1. Basin "A"
   Q = 0.70 x 5.07 x 4.46 = Q = 15.91 CFS (Use 16 CFS)
2. Basin "B"
   Q = 0.80 x 6.20 x 1.31 = Q = 8.51 CFS
3. Basin "C"
   Q = 99 CFS (From previous drainage report, See Appendix A-1 & A-2)

G. STREET FLOW CAPACITY (1/2 STREET WIDTH)

1. Slope = 2.67%
2. Manning = 0.017
3. Flow Rate = Q = 8 x 87.41 x 0.61 x 0.16
   Q = 68.24 CFS

H. DRAINAGE CHANNEL

1. Required Flow Capacity Q_{100} = 115 CFS (99 cfs from Glendora Dr. + 16cfs from Basin"A")
2. Actual Flow Capacity at 1' depth

$$Q = A \times \frac{1.486}{0.013} \times R^{2/3} \times S^{1/2}$$

$$Q = 18.5 \times 114.30 \times 0.93 \times 0.061$$

Q = 119.96 CFS > 115 CFS Required

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I. CONCLUSIONS

1. The street capacity for those streets within this development will not be exceeded by the 100-year run off at any point in this subdivision.

2. The off-site flows being accepted onto this subdivision from Glendora Drive along with the on-site flows being generated will not exceed the drainage structures constructed as part of this project. Flow depth in the 18.5' wide channel will not exceed 1' depth. The T_p for both the off-site Basin "C" flows and the flow from Basin "A" will peak at the same time at the 18.5' wide channel. Finished floor elevations for existing residences and new residences within this development will not be jepordized by high water levels resulting during the 100 year event.

25×10

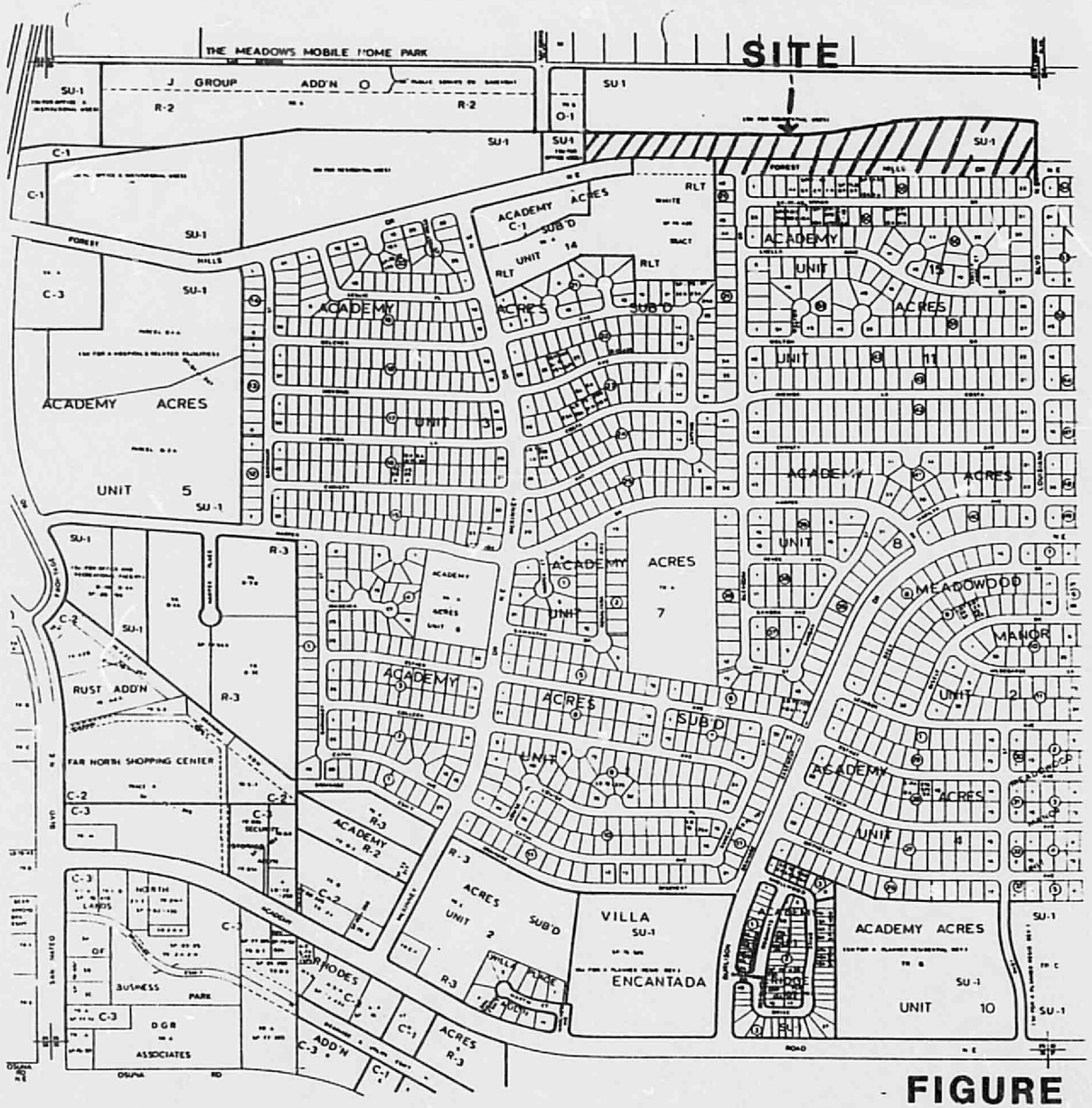

FIGURE 1

E-18-Z

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

AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO SHEET NUMBER

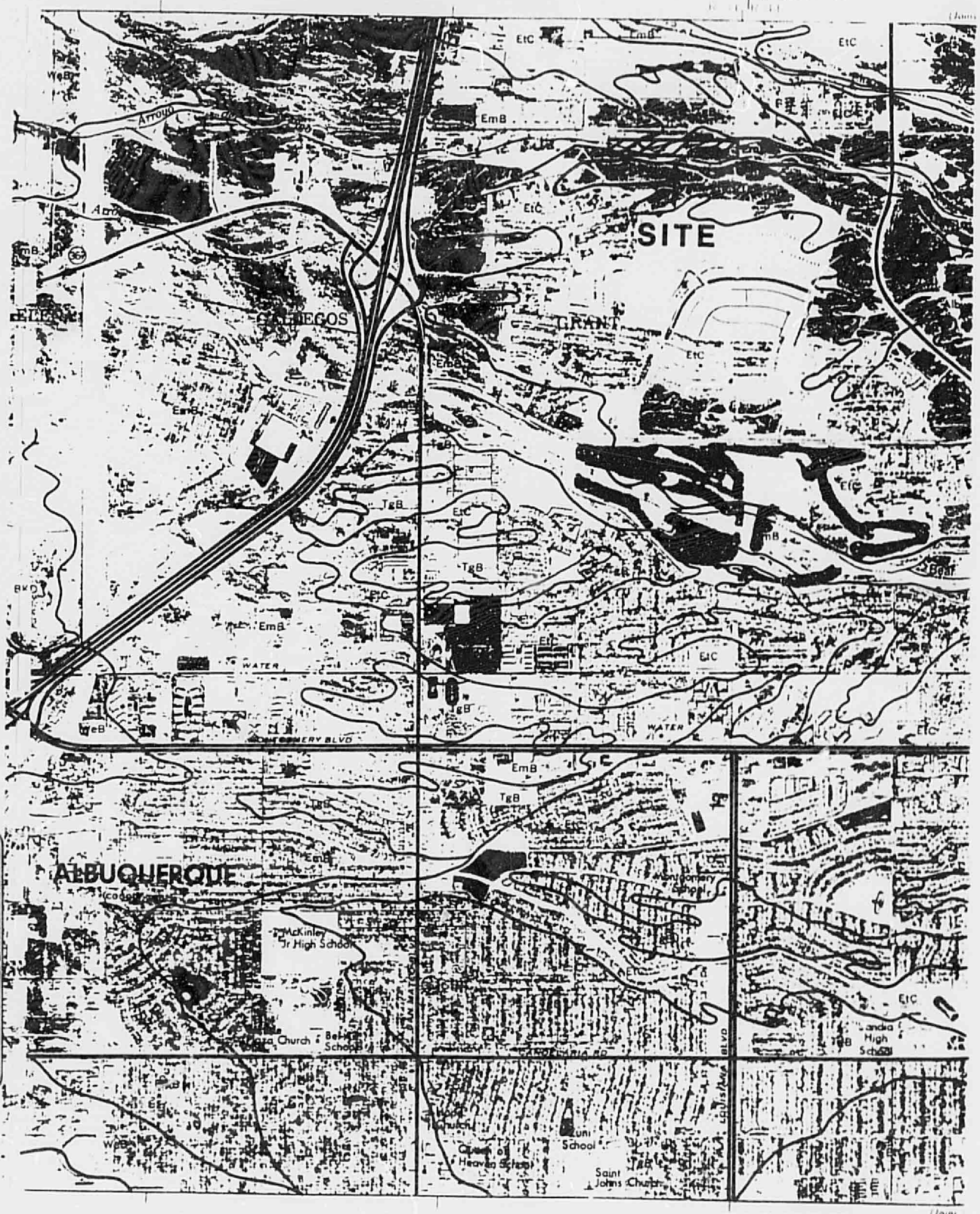

FIGURE 2

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

Area = $\frac{(2160 \times 86)}{43560}$ = 4.14 A.

Q_{10} = 0.80 (4.14) 4.6 = 15.23 cfs

Q_{100} = 0.80 (4.14) 7.4 x 1.25 = 30.7 cfs

VIVIAN DRIVE FROM LOUISIANA TO GLENDORA

Backyards will be ponded.

Length Flow = 1540 ΔH = 5332 - 5296 = 36'

Time Channel Flow = 9 min

Overland Flow = 6 min

T_c = 15 min

Area = $\frac{(114 \times 50)\ 1540}{43560}$ = 5.79 Ac.

Q_{10} = 0.60 (5.79) 4.2 = 14.6 cfs

Q_{100} = 0.60 (5.79) 6.8 x 1.25 = 29.6 cfs

GLENDORA @ FOREST HILLS DRIVE

LENGTH = 1540 + 155 = 1665 FT

ΔH = 5332 - 5295 = 37'

T_c = 10 MIN + 6 MIN = 16 MIN. i_{100} = 6.6

AREA = 5.79 + $\frac{(164 \times 280)}{43,560}$ = 6.84 ACRES

Q_{100} = .6 (1.25) (6.84) (6.6) + 65 = 99 CFS

GLENDORA @ VIVIAN

Q_{100} = 65 + .06 (1.25) $\frac{(140 \times 164)}{43,560}$ x 6.6 = 68 CFS.

from [illegible]

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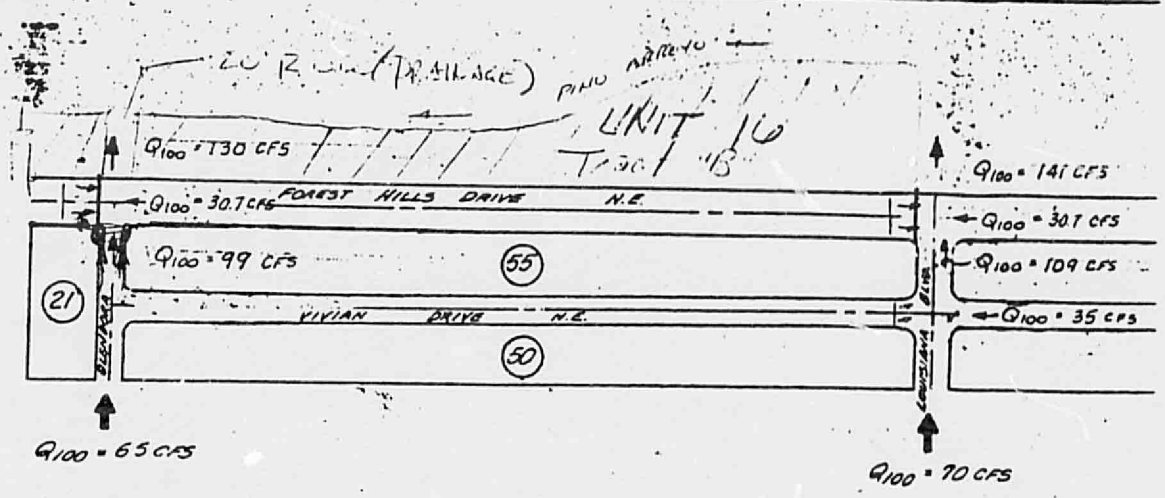
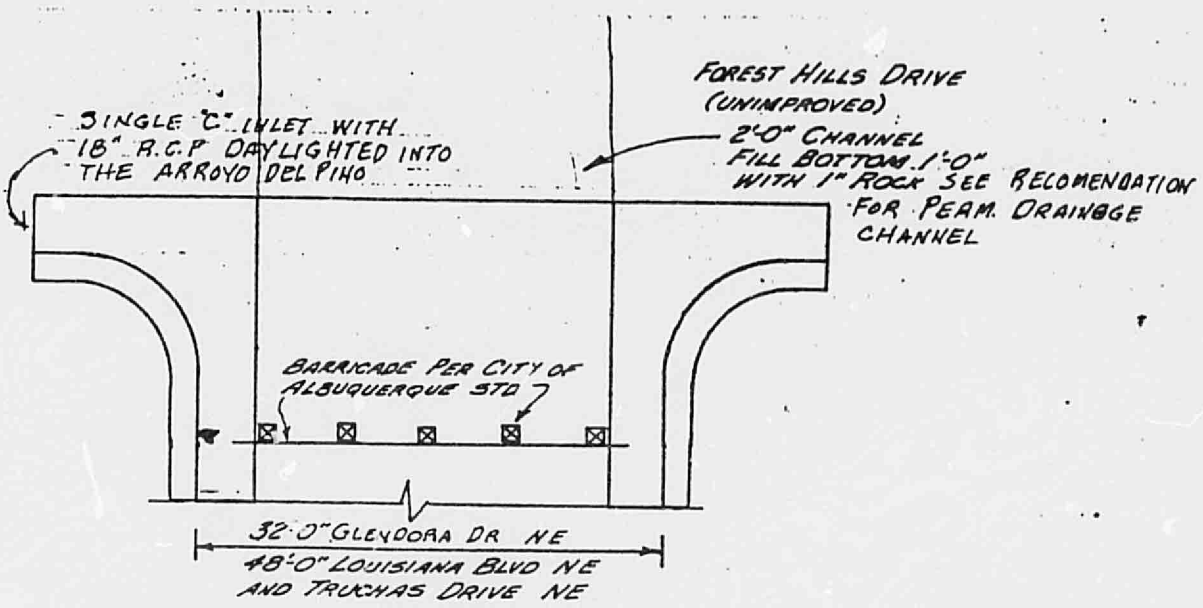
THIS MICROIMAGE IS THE BEST POSSIBLE
REPRODUCTION DUE TO THE POOR QUALITY
OF THE ORIGINAL DOCUMENT.





PLAN AT INTERSECTION OF
GLENDORA DRIVE NE, LOUISIANA BLVD NE,
TRUCHAS DRIVE NE WITH FOREST
HILLS DRIVE NE

Developed flows
figure 3

DEVELOPED FL
AND DE
FIGURE

APPENDIX A-2

25×10

0000 0000 2267

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

June 15, 1994

Santiago Romero Jr. P.E. & P.S.
Santiago Romero Jr. & Associates, Inc.
6139 Edith Blvd. NE
Albuquerque, N.M. 87107

RE: TRACT "B" UNIT 16 ACADEMY ACRES (E-18/D44)
DRAINAGE COMPLAINTS AT:
6743, 6831, 6839, 6932 & 6936 FOREST HILLS

Dear Mr. Romero:

During a visit to the site on June 14, 1994; I observed that this subdivision is not in compliance with the certified Grading & Drainage Plan dated 4-28-94.

The solid CMU walls shown on the Typical Lot Grading Section have not been built on many of the lots. This allows runoff to drain from one lot to another causing several complaints so far.

On some lots a railroad tie header has been substituted for the CMU wall. Erosion problems have occurred where runoff passes through the joints. Railroad ties do not create a solid wall and are not an adequate substitute for CMU.

Most of the front yards have been graded drain to the west across downstream property. Lots on the south side of Forest Hills must drain to the street. Lots on the north side of Forest Hills must drain to the Pino Arroyo channel. If the home owners are to be responsible for landscaping their yards, then a copy of the Grading & Drainage Plan must be included in the Covenant so that they will know how to grade it properly.

I encourage everyone to work together to resolve these problems. If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
Civil Engineer/Hydrology

WPHYD/3416/jpc

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

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P 079 592 788

Receipt for Certified Mail
No Insurance Coverage Provided
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(See Reverse)

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Street and No.: 6139 EDITH BLVD. N.E.
P.O., State and ZIP Code: ALB. N.M. 87107

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, June 1991

P 079 592 789

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(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to: Richard Fuller
Street and No.: 13101 Aragon Av. N.E.
P.O., State and ZIP Code: Albuquerque, N.M. 87112

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, June 1991

P 079 592 790

Receipt for Certified Mail
No Insurance Coverage Provided
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(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to: Lloyd Stussider
Street and No.: 6121 Indian Selal Rd N.E.
P.O., State and ZIP Code: Albuquerque, N.M. 87110

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, June 1991

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SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Richard Fuller
13101 Aragon Av. NE.
Albuquerque, N.M.
87112

4a. Article Number
P 079 592 789

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
6/14/94

5. Signature (Addressee)
X.

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Lloyd Strosnider
6121 Indian School Rd. NE
Albuquerque N.M.
87110

4a. Article Number
P 079 592 790

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
6/6/94

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)
Terry Lee

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

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JAN 7 1994

Print your name, address and ZIP Code here

PWD / Hydrology
P.O. Box 1293
Albuquerque, N.M.
87103

UNITED STATES POSTAL SERVICE

Official Business

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U.S. MAIL

JAN 7 1994

Print your name, address and ZIP Code here

PWD / Hydrology
P.O. Box 1293
Albuquerque, N.M.
87103

25 × 10

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DISTRIBUTION:

Lloyd Strosnider
The Strosnider Company
6121 Indian School Rd. NE
Albuquerque, N.M. 87110
Ph # 884-7666

Jim Beverly
8300 Tina Dr NE
Albuquerque, N.M. 87109
Ph # 822-0427

Lisa Mosher
6932 Forest Hills Dr NE
Albuquerque, N.M. 87109
Ph # 828-2005

Azim Inayet
6743 Forest Hills Dr NE
Albuquerque, N.M. 87109
Ph # 822-9212

Richard Fuller
Fuller Custom Homes
13101 Argon Av. NE
Albuquerque, N.M. 87112
Ph # 293-2353

Barbara Scalzi
6831 Forest Hills Dr NE
Albuquerque, N.M. 87109
Contact Jim Beverly

Carol Calico
6936 Forest Hills Dr NE
Albuquerque, N.M. 87109
Ph # 888-1300

Steve Lawrence
6839 Forest Hills Dr NE
Albuquerque, N.M. 87109
Ph # 292-0988

c: Fred Aguirre
City Hydrologist

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

June 22, 1993

Santiago Romero Jr. P.E. & P.S.
Santiago Romero Jr. & Associates, Inc.
6139 Edith Blvd. NE
Albuquerque, N.M. 87107

RE: ENGINEER'S CERTIFICATION FOR TRACT "B" UNIT 16 ACADEMY ACRES (E-18/D44)
RECEIVED JUNE 14, 1993 FOR S.I.A. RELEASE
ENGINEER'S STAMP DATED 4/28/93

Dear Mr. Romero:

Based on the information provided by the submittal referenced above, City Hydrology RELEASES the financial Guaranty for this project.

If I can be of further assistance, you may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
Civil Engineer/Hydrology

xc: Lynda Michelle DeVanti

WPHYD+3416;jpc

PUBLIC WORKS DEPARTMENT

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

ENGINEERING GROUP

Telephone (505) 768-2500

25×10

0000 0000 2273

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Academy Acres Unit 16 ZONE ATLAS/DRNG. FILE #: E-18/D44

DRB #: 92-0170 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Academy Acres Unit 16 - Lots 1 thru 52, Block 1 Lots 1 thru 15, Block 2

CITY ADDRESS: Located between San Pedro & Louisiana, south of San Antonio.

ENGINEERING FIRM: Santiago Romero Jr. & Assoc. CONTACT: Bill Towers

ADDRESS: 6139 Edith Blvd. NE PHONE: 345-2733

OWNER: The Strosnider Company CONTACT: Lloyd Strosnider

ADDRESS: 6121 Indian School Rd. NE PHONE: 884-7666

ARCHITECT: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: Santiago Romero Jr. & Assoc., Inc. CONTACT: Santiago Romero, Jr.

ADDRESS: 6139 Edith Blvd. NE PHONE: 345-2733

CONTRACTOR: Universal Constructors, Inc. CONTACT: Gilbert Luna

ADDRESS: 3825 Academy Pkwy. North NE PHONE: 884-0400

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
____ DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
X ENGINEER'S CERTIFICATION
____ OTHER

PRE-DESIGN MEETING:

____ YES
____ NO
____ COPY PROVIDED

JUN 14

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
X OTHER Project Acceptance (SPECIFY)

DATE SUBMITTED: _____

BY: _____

25 X

0000 0000 2274

Santiago Romero Jr. and Associates, Inc.
ENGINEERS • SURVEYORS
6139 Edith Blvd. NE
Albuquerque, New Mexico 87107 • (505) 345-2733

JobNo920108

June 11, 1993

Mr. John P. Curtin, P.E.
City of Albuquerque
PWD/Hydrology
P.O. Box 1293
Albuquerque, NM 87103

RE: ACADEMY ACRES UNIT 16 (E-18/D44)

Dear Mr. Curtin:

The above mentioned project has been completed and accepted by Russ Givler. We now need a letter of acceptance from PWD/Hydrology to be given to Lynda Michelle DeVanti, so the final money can be released.

This submittal consists of the Engineer's Certification Checklist, the completed Drainage Information Sheet and a photocopy of the "As-Built" Grading & Drainage sheets.

Please call if you have any questions or need any additional information.

Professional Certification:

I, Santiago Romero Jr., New Mexico Registered Professional Engineer No. 7291, do hereby certify that the construction of Academy Acres Unit 16, City Project No. 3260, has been built in substantial compliance with the approved plans and drainage report. (E-18/D44).

Santiago Romero Jr. N.M.P.E. No. 7291

SANTIAGO ROMERO, JR. NEW MEXICO 7291 6/14/93 REGISTERED PROFESSIONAL ENGINEER

JUN 14
HYDROLOGY DIV.

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ENGINEER'S CERTIFICATION CHECKLIST

Use this checklist when certifying compliance with an approved drainage report or drainage plan for public buildings, commercial buildings and multi-residential buildings requiring a Certificate of Occupancy. Engineer must provide the information below on the original reproducible drainage plan. Engineer's certification is strongly recommended for major projects, projects requiring numerous drainage inspections during construction, projects in flood hazard area and phased projects.

1. ✓ Completed Information Sheet - see Information Sheet.
2. ✓ Provide as-built pad elevations.
3. ✓ Provide as-built spot elevations on the property line and/or limits of phase development (points of significant grade changes) to demonstrate compliance with the approved drainage report or drainage plan.
4. N/A Provide copies of construction approval from the appropriate government agencies for construction within their rights-of-way and/or easements.
5. N/A Outline the as-built drainage basin(s) (including roof areas) supported with sufficient spot elevations and roof drain locations.
6. Provide as-built elevations and dimensions for the following structures:
   - A. Pond(s)
   - B. Pipe inlet(s) and outlet(s)
   - ✓ C. Rundown(s)(including the required inlet dimensions)
   - D. Spillway(s) (including the required outlet dimensions)
   - E. Channel(s)
   - F. Swale(s)
   - G. Erosion control structure(s)
   - H. Temporary drainage facilities required for phased development
   - I. Retaining and/or garden wall(s)
   - J. Other
7. ✓ Professional Certification-engineer's stamp dated and signed accompanied with a statement indicating substantial compliance with the approved drainage report and/or plan.
8. ✓ As-built plan.

RECEIVED
JUN 14 '9

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

ENGINEERING GRO

INTER-OFFICE CORRESPONDENCE

TO: Distribution

FROM: Peter Chang, Engineer Associate, PWD

SUBJECT: **FINAL INSPECTION**

A final inspection will be conducted on the following project. The date, time and location are shown below. Please insure that any interested parties from your organization attend.

The contractor is required to attend the final inspection and provide personnel and equipment to open manholes, operate valves and provide information or make decisions regarding any work which needs to be completed.

If the City of Albuquerque is not providing as-builts on the project, the contractor or other agent of the owner must have two complete sets of as-builts available at the final inspection. The as-builts will be retained by City of Albuquerque personnel after completion of the inspection. The final inspection will not be started without as-built drawings.

PROJECT NO.	PROJECT TITLE	DATE	TIME
3260.90	Academy Acres Unit 16	4/1/93	1:30 PM

CONTRACTOR(S)	PUBLIC WORKS ENGINEERING	LOCATION TO START INSPECTION
Universal Constructors		Forest Hills Dr. b/w San Pedro & Louisiana

Distribution:
Gilbert Luna, Universal Constructors.
Santiago Romero & Assoc.
Mike Esquibel, Liquid Waste
Sam Hall, Water Systems
Jacob Baca, Street Maintenance
Billy Goolsby, DRC
Richard Dourte, Transportation
John Curtain, Hydrology
GS Reader, Design
Clifton Spencer, PWD
RG: S/T- 3260.90 Project Correspondence
S/Readers'

Engineer's Certification Of Grades?

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Santiago Romero Jr. and Associates, Inc.
ENGINEERS • SURVEYORS
6139 Edith Blvd. NE
Albuquerque, New Mexico 87107 • (505) 345-2733

E18-D44

JobNo920108

September 28, 1992

Mr. Fred Aguirre P.E.
City of Albuquerque
Hydrology Department
P.O. Box 1239
Albuquerque, NM 87103

RE: Academy Acres Unit 16
DRB NO. 92-0170
City Project No. 3260

Dear Fred:

I am submitting the mylars of the Site Development Plan and the Replat of Tracts B-1, B-2 & B-3 for the above mentioned Project. Please review them and apprise me of any necessary changes required before you will sign off.

I have also included a copy of the letter advising execution of the S.I.A. for this project.

Meanwhile, Mr. Lloyd Strosnider will pay to Parks and Recreation the required $12,529.00 (cash-in-lieu).

Should you have any questions, please call.

Sincerely,
Santiago Romero Jr. & Associates, Inc.

Bill Towers

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

June 19, 1992

Santiago Romero Jr. P.E. & P.S.
Santiago Romero Jr. & Associates, Inc.
6139 Edith Blvd. NE
Albuquerque, N.M. 87107

RE: DRAINAGE REPORT FOR REPLAT OF TRACT "B" UNIT 16 ACADEMY ACRES
RECEIVED JUNE 5, 1992 FOR FINAL PLAT APPROVAL
(E-18/D44)

Dear Mr. Romero:

Based on the information provided by your submittal received June 5, 1992; the above referenced project is approved for Final Plat. If I can be of further assistance, you may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
PWD/Hydrology

WPHYD+3416;jpc

PUBLIC WORKS DEPARTMENT

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

ENGINEERING GROUP

Telephone (505) 768-2500

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: Acade Unit Acres Subdivision ZONE ATLAS/D. . FILE #: E-18/D44

LEGAL DESCRIPTION: Academy Acres Unit 16 - Tracts B-1, B-2, & B-3

CITY ADDRESS: Located between San Pedro & Louisiana, south of San Antonio.

ENGINEERING FIRM: Santiago Romero Jr & Assoc. CONTACT: Santiago Romero Jr.

ADDRESS: 6139 Edith Blvd NE PHONE: 345-2733

OWNER: The Strosnider Company CONTACT: Lloyd Strosnider

ADDRESS 6121 Indian School Rd NE PHONE: 884-7666

ARCHITECT: N/A CONTACT:

ADDRESS: PHONE:

SURVEYOR: Santiago Romero Jr., & Associates CONTACT: Santiago Romero Jr.

ADDRESS: 6139 Edith Blvd. NE PHONE: 345-2733

CONTRACTOR: N/A CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

____ YES

X NO

____ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. 92-0170

EPC NO.

PROJECT NO. 3260

TYPE OF SUBMITTAL:

X DRAINAGE REPORT

X DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAIN. PLAN

X GRADING PLAN

____ EROSION CONTROL PLAN

____ ENGINEER'S CERTIFICATION

X Resubmittal - Drainage Report

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL

____ PRELIMINARY PLAT APPROVAL

____ SITE DEVELOPMENT PLAN APPROVAL

X 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: 6/5/92

BY: [signature]

Rev. 11/84

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SJR & ASSOC.
Santiago Romero Jr. and Associates, Inc.
ENGINEERS • SURVEYORS
6139 Edith Blvd. NE
Albuquerque, New Mexico 87107 • (505) 345-2733

RECEIVED
JUN 5 1992
HYDROLOGY DIVISION

Project #92-01-08

June 5, 1992

Mr. Fred Aguirre P.E.
Hydrology Dept.
City of Albuquerque
P.O. Box 1239
Albuquerque, New Mexico 87103

RE: Drainage Report for Replat of Tract "B" Unit 16 Academy Acres (Revised)

Please find enclosed the revised drainage report for the above referenced Tract. The previous drainage report for this project had received Preliminary Plat Approval. With this submittal I'm asking for Final Plat Approval. The Grading & Drainage Plan Sheet 11 of 12, shown in Fig. 3, was revised to reflect changed conditions since the previous submittal of July 1987 such as the completion of the Pino Channel, the bridge over the Pino Channel and the intersection of Forest Hills Road N.E. and San Pedro N.E.. These changes did not affect the calculations. The plat was also revised to show the signatures of the new owners as is shown in Fig. 4. Any changes which were made within the body of the report are in **bold type**, and are changes due to the new owners and the new developer. The new Drainage Information Sheet (Sh. 1A) is included within (Pg 1A) the report.

Please let me know if you need any other submittal or any information concerning this report. I thank you for help and guidance thru this process.

Sincerely,
SANTIAGO ROMERO JR. & ASSOCIATES, INC.

Santiago Romero Jr. P.E. & P.S.
President

mas

cc: Lloyd N. Strosnider

enclosed: Revised Drainage Report June 1992

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Santiago Romero Jr. and Associates, Inc.
ENGINEERS • SURVEYORS
6139 Edith Blvd. NE
Albuquerque, New Mexico 87107 • (505) 345-2733

RECEIVED
MAY 21 1992
HYDROLOGY DIVISION

JobNo92-01-08

May 20, 1992

Mr. Fred Aguirre P.E.
Hydrology Dept.
City of Albuquerque
One Civic Plaza
Albuquerque, New Mexico 87103

RE: Drainage Plan For Unit 16, Academy Acres

This letter is written to document our telephone conversation of this afternoon, May 20, 1992. It is my understanding that we need to submit a revised drainage report. This report must reflect the changed conditions to the site which have occurred since the original report was approved. It is also my understanding that the design concepts outlined in the original report still pertain, i.e. free discharge to the Pino Arroyo Channel etc...

We also discussed the 100-yr Flood Plain which presently shows on the FEMA map and encompasses a portion of this project. It's my understanding that the Pino Arroyo Channel was design to carry the 100-yr storm and the limits of the 100 years flood plain are now confined to the channel. In the City's view this 100-yr. flood plain does not exist, but until the FEMA maps are revised, flood insurance may be required. The City is presently working to revise the FEMA maps pending funding.

This letter represents my understanding of this conversation and I appreciate your quick response to my letter requesting a meeting and your willingness to work with us on this project. Please call if you have any questions or need any additional information.

Sincerely,
SANTIAGO ROMERO JR. & ASSOCIATES, INC.

Santiago Romero Jr. P.E. & P.S.
President

mas

cc: Lloyd N. Strosnider

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Santiago Romero Jr. and Associates, Inc.
ENGINEERS • SURVEYORS
6139 Edith Blvd. NE
Albuquerque, New Mexico 87107 • (505) 345-2733

JobNo92-01-08

E18/B44

May 20, 1992

Tom Holtman

Mr. Fred Aguirre P.E.
Hydrology Dept.
City of Albuquerque
One Civic Plaza
Albuquerque, New Mexico 87103

RECEIVED
MAY 20 1992
HYDROLOGY DIVISION

RE: Academy Acres Unit 16 Project No. 3260

This letter is written to request a meeting for the purpose of discussing the 100 year - Flood Plain which shows on the FEMA maps and the drainage report for the above referenced project. The project had an approved drainage report and construction drawings as of February 1988, when the project was suspended. We need to know what additional work or revisions will be required. Timing is very important to this project and request this meeting as soon as possible. Please call if you have any questions or need any additional information.

Sincerely,
SANTIAGO ROMERO JR. & ASSOCIATES, INC.

Santiago Romero Jr. P.E. & P.S.
President

mas

cc: Lloyd Strosnider

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FIGURE 5

CITY OF ALBUQUERQUE

DESIGN REVIEW COMMITTEE
REQUEST FOR REVIEW

Will review and comment in response to Drainage submittal. Not reviewed as of 4/12/88 AJ.

MEMORANDUM - 4-12-88
Date

TO: [✓] (3) PWD/Engineering
(Design, Field, Hydrology)

[✓] (2) Transportation
(Traffic, Street Maintenance)

[✓] (1) Traffic Engr./Operations

[✓] (1) Water Utilities

[ ] ~~(1) Parks & Recreation~~

RECEIVED
APR 13 1988
HYDROLOGY SECTION

FROM: DRC Chairman, PWD/ENG.

SUBJECT: ACADEMY ACRES UNIT 16 - SHEET 12-A

Project No. 3260

The attached [✓] drawings, [ ] specifications, and/or [ ] _____ have been submitted for consideration by the DRC.

They relate to following work types:

[ ] Water Facilities [✓] Storm Drainage

[ ] Sanitary Sewer [ ] Paving [ ] _____

The following meeting has been scheduled for 2:00 on 4/20/88.

[ ] Pre-Design [✓] Design Comment Review [ ] Approval

* Remember, for Comment Review Meetings, your comments MUST be turned in to PWD/ENG. no later than 4:30 p.m. on the last working day before the scheduled meeting.

If you are aware of any reason why this submittal should not be considered as scheduled, please notify me by phone as soon as possible so that necessary steps may be taked to cancel or reschedule.

cc: Applicant
Rev. 12/85

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Santiago Romero Jr. & Associates, Inc.
ENGINEERING • SURVEYING

6139 Edith Blvd. NE
Albuquerque, New Mexico 87107
(505) 345-2733

April 6, 1988

Job No. 87-03-05

Mr. Fred Aguirre, P.E.
City Engineer
Public Works Department
P.O. Box 1293
Albuquerque, New Mexico 87103

RECEIVED
APR 11 1988
HYDROLOGY SECTION

RE: TEMPORARY ARROYO STABILIZATION
UNIT 16, ACADEMY ACRES
C.O.A. PROJECT NO. 3260

Dear Fred:

Transmitted herewith are two prints of the proposed interim arroyo bank stabilization for the referenced project.

Please note that the drawing reflects the grouted rip-rap and the 3 feet toe wall. Also, please note that this design is for a temporary solution only. A more permanent solution would probably require the wire enclosed rip-rap constructed under the channel lining project to be removed. A dissipator basin which would create a hydraulic jump or some other form of energy dissipation would have to be designed and constructed in order for the downstream conditions to accept the flows at a rate which would not be as erosive.

During my last conversation with Dan Hogan, he informed me the downstream property owners were again negotiating with the City and that he felt optimistic as to the outcome of negotiation, however no definite time frame has been established for completing the permanent channel improvements.

Should you have any questions or comments please feel free to contact me.

Sincerely,
SANTIAGO ROMERO JR. AND ASSOCIATES, INC.

Thomas A. Romero, C.E.T.
Vice President

TAR/dr
cc: Mr. Dan Hogan, Utility Design Division

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: Arroyo Bank Stabilization (Temporary) ZONE ATLAS/DRNG. FILE #: E-18/D44

LEGAL DESCRIPTION: Unit 16, Academy Acres - Being a Replat of Tr. "B" Unit 16 Academy Acres

CITY ADDRESS: N/A

ENGINEERING FIRM: Santiago Romero & Assoc. Inc CONTACT: Tom Romero

ADDRESS: 6139 Edith Blvd. NE PHONE: 345-2733

OWNER: Pino Arroyo Property CONTACT: Rodger Johnson

ADDRESS 5327 Montgomery Blvd NE PHONE: 881-4955

ARCHITECT: N/A CONTACT:

ADDRESS: PHONE:

SURVEYOR: Santiago Romero & Assoc. Inc CONTACT: Tom Romero

ADDRESS: 6139 Edith Blvd. N.E. PHONE: 345-2733

CONTRACTOR: N/A CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

___ YES

___ NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED APR 11 1988 HYDROLOGY SECTION

DRB NO. 87-78

EPC NO. Z-79-66-6

PROJECT NO. 3260

294 0030

TYPE OF SUBMITTAL:

X DRAINAGE REPORT Amendment (ARROYO BANK STABILIZATION)

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAIN. PLAN

___ GRADING PLAN

X EROSION CONTROL PLAN (ARROYO BANK STABILIZATION)

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

* X 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 Amendment to the Report to (SPECIFY) ~~Infrastructure Improvement Listing~~ Allow Development on Lots 1-10 and Lot A.

DATE SUBMITTED: Apr. 7, 1988

BY: T. Romero
Thomas A. Romero

Rev. 11/84

103

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RECEIVED
APR 11 1988
HYDROLOGY SECTION

PROJECT NO. 3260
SHEET 1 OF 6
DATE PREPARED: 2/22/88

FIGURE 7
ESTIMATE SHEET
INFRASTRUCTURE IMPROVEMENTS
REVIESED APRIL 7, 1988
TO INCLUDE TEMPORARY ARROYO STABILIZATION

Check appropriate box and date

[X] Quantities and Cost Estimate
Date Prepared: 2/22/88

[X] Approval
Date Requested: 4/88

[ ] Work Order
Date Issued: _____

[ ] Final Acceptance
Date Accepted: _____

1. APPLICANT INFORMATION:

   a. Developer: Rodger Johnson

   b. Consulting Engineer: Santiago Romero Jr., & Associates, Inc.
      Mailing Address: 6139 Edith Boulevard N.E.

   c. Person to contact regarding this form: Tom Romero
      Mailing Address: 6139 Edith Boulevard N.E. Zip Code: 87107
      Phone: 345-2733

2. TITLE & GENERAL SCOPE OF PROJECT:

   Unit 16 Academy Acres
   Paving, Water, SAS, & Storm Drainage Improvements

3. NAME OF SUBDIVISION OR DESCRIPTION OF PROPERTY TO BE SERVED:

   Unit 16
   Academy Acres

4. Developer to Pay = 100% Policy ___ _____

5. City to Pay = _____ Policy ___ _____
   (Procedure C)

6. City to Pay = 0% Proj./Activity No. _ _ _

7. Specific Location:

	From -	To	8. W	SAS	SD	P	M
Forest Hills Drive	San Pedro Dr	Louisiana Blvd		X		X	
Forest Hills Drive	Glendora Dr	Louisiana Blvd	X				
Drainage Easement	Forest Hills Dr at Glendora Dr	Pino Arroyo			X		

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9. Item No.	10. Short Description	11. Est. Unit Price	12. Est. Quanity	13. Est. Amount	14. As-Built Quanity	15. As-Built Amount
PAVING						
P-4	GRADING	$ 1.50/SY	8000 SY	$ 12000.00		
P-10	CUT & REM AC PVMT	4.10/SY	660 SY	2706.00		
P-13	PCC C&G REM	5.00/LF	30 LF	150.00		
P-17	PROC. 4" SUBBS	0.80/SY	8000 SY	6400.00		
P-25	1 1/2" AC BS-1500-M	3.10/SY	6200 SY	19220.00		
P-30	TK CT	0.30/SY	6200 SY	1860.00		
P-35	1 1/2" AC SF-1800-M	3.30/SY	6200 SY	20460.00		
P-40	6" PCC F-A PVMT	42.00/SY	150 SY	6300.00		
P-42	4" PCC SDWK *	2.00/SF	175 SF	35840.00		
P-43	6" PCC DRPD *					
P-44	PCC VLY G	4.00/SF	605 SF	2420.00		
P-46	PCC STD C&G	8.50/LF	4450 LF	37825.00		
P-53	V BOX ADJ	250.00/EA	1 EA	250.00		
	GROUT EXIST LOOSE RIP-RAP	135.00/CY	16 CY	2160.00		
	3' x 1' x 100' CONC TOE WALL	175.00/CY	4 CY	700.00		
	1 - 6" x 6" x 100' CONC CUT OFF WALL	4.50/LF	100 LF	450.00		
SUBTOTAL (PAVING)				$ 148741.00		
DRAINAGE						
K-51	6" REIN CHAN LIN	$ 4.50/SF	1570 SF	$ 7065.00		
SUBTOTAL (DRAINAGE)				$ 7065.00		

* Defferred until residence is constructed except at wheelchair ramps. See variance granted by DRB.

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PROJECT NO. 3260
SHEET 3 OF 6

9. Item No.	10. Short Description	11. Est. Unit Price	12. Est. Quanity	13. Est. Amount	14. As-Built Quanity	15. As-Built Amount
SANITARY SEWER						
G-3	8" PVCP-SDR 35	$ 6.50/LF	2700 LF	$ 17550.00		
G-7	4" TEE PVC	75.00/EA	68 EA	5100.00		
S-1	4" DIP	14.00/LF	2380 LF	33320.00		
S-12	TRCHG,(6"-15")6'-8'D	9.50/LF	2100 LF	19950.00		
S-13	TRCHG,(6"-15")8'-10'D	11.50/LF	600 LF	6900.00		
S-22	4' MH, 6'-10'D	1450.00/EA	9 EA	13050.00		
SUBTOTAL (SANITARY SEWER)				$ 95870.00		
WATER						
B-3	8" PVC/C900 P	$14.00/LF	1580 LF	$ 22120.00		
W-46	N-PRESS CONN	500.00/EA	2 EA	1000.00		
W-57	8" GV	550.00/EA	2 EA	1100.00		
W-82	V BOX-A	315.00/EA	2 EA	630.00		
W-86	FH, 4'	1100.00/EA	3 EA	3300.00		
W-52	MJ FIT	2.50/LB	1000 LB	2500.00		
B-2	6" PVC/C900 P	12.00/LF	60 LF	720.00		
W-134	(3/4" & 1") MTR BOX	350.00/EA	68 EA	23800.00		
W-180	3/4" S SERV W/NEW MAIN	312.00/EA	2 EA	624.00		
W-181	3/4" D SERV W/NEW MAIN	470.00/EA	33 EA	15510.00		
W-186	BLKG	100.00/CY	9 CY	900.00		
SUBTOTAL (WATER)				$ 72204.00		
IMPROVEMENTS SUBTOTAL				$ 323880.00		
+ 25% for Financial Guarantee				80970.00		
TOTAL				$ 404850.00		

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16. Subtotal
    Contingencies 10%
    Engineering ___%
    Testing Fee 2%
    Total Construction Cost

Reduce Engineering Fee by Amount of DESIGN DEPOSIT FEE Paid=$_____

17._____

18. NOTES: (Applicable notes are used; information filled in)

a. Outstanding Pro-rata:_____
b. For staking, construction, and inspection use Drawing No. 3260
c. This work shall be done in accordance with the City of Albuquerque Specifications for Public Works Construction 1986.
d. If payment of the full amount of engineering fee is not made within one (1) year of Assistant City Engineer's Approval (item 20), then this document must be revised and resubmitted prior to entering into construction contract.
e. Recorded Plat_____ Recording No._____
f. Easement Required_____ Recording No._____
g. NMSHD Permit Required_____ Permit No._____
h. Permits Required:_____

Excavation Ordinance Permits

Sanitary Sewer	_____	Block(s)	@	$26.00=_____
Storm Drainage Facilities	_____	Block(s)	@	$26.00=_____
Water Lines	_____	Block(s)	@	$26.00=_____
Street Grading	_____	Block(s)	@	$N.C = NC
Curb & Gutter	_____	Block(s)	@	$26.00=_____
Valley Gutter	_____	Block(s)	@	$26.00=_____
Drivepads	_____	Block(s)	@	$26.00=_____
Sidewalk	_____	Block(s)	@	$26.00=_____
Handicapped Ramps	_____	Inter(s)	@	$26.00=_____
RESTORATION FEE when Applicable	_____	Sq. Yds.	@	$ 0.75=_____

Sidewalk Ordinance Permits
(Construction)
Fee not applicable if Not staked by City Surveyor

Curb & Gutter	_____	L.F.	@ $ 0.41=_____
Valley Gutter	_____	L.F.	@ $ 0.41=_____
Sidewalk	N/C		
Handicapped Ramps	N/C		Total =_____

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NOTE: The dollar amounts for above fees were calculated on the basis that all permit items will be constructed under a Work Order. If items are to be done separately, then new fees must be calculated.

i. This project will generate future Pro-Rata on the following parcels:

_____

_____

_____

19. Signatures

Prepared By: Karen L Scharf 4/11/88
Name /Date
Name: Karen L. Scharf
Firm: Santiago Romero Jr. & Assc., Inc.

Reviewed By:
_____
City Design Engineer /Date

FOR ESTIMATE

20. RECOMMENDED:

_____
D.R.C. Chairman Date

City Funded Projects Only
CONCURRENCE:

_____
Requesting Office / Date

APPROVED:

_____
Assistant City Engineer-Design/Date

_ _ _ _ _ _ - _ _ _ _ _ _ _ _
Account Project/Activity

21. Construction Documentation complete and acceptable.

_____
Project Administration /Date

FOR CONSTRUCTION

22. RECEIPT OF FEES (Procedures "A" and "B")

Outside funds for the City fees in the amount of $_____ have been received by CIP fiscal.

_____
CIP Fiscal Supervisor /Date

25×10

23. RECEIPT OF DEVELOPER COSTS (Procedure "C" only)

Outside funds in the amount of $_____ have been received by CIP Fiscal in accordance with Procedure "C" Agreement between City and Developer for this Project and are to be expended as described in said Agreement. These funds have been credited to:

_ _ _ _ _ _ - _ _ _ _ _ _.
Account Project Activity

_____
CIP Fiscal Supervisor /Date

(Space reserved for validation by City Treasurer)

24. APPROVED FOR CONSTRUCTION

_____
Assistant City Engineer-Design/Date

25. WORK ORDER RECEIVED:

_____
Contractor /Date

PROPOSED STARTING DATE:

_____

FOR ACCEPTANCE

26. RECOMMENDED:

_____
Assistant City Engineer/Field/Date

APPROVED:

_____
City Engineer /Date
Estimate Sheet (END)

ACCEPTANCE COMPLETED

_____
Project Administrator/Date

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D.R.B. Case No. 87-78 E18/
D.R.C. Project No. D14
Date Submitted 8/18/87

FIGURE 4

EXHIBIT "D"
to Subdivision Improvements Agreement

DEVELOPMENT REVIEW BOARD (D.R.B.)
REQUIRED INFRASTRUCTURE LISTING
FOR REPLAT TR. "B" UNIT 16, ACADEMY ACRES

Following is a summary of Public/Private Infrastructure required to be constructed or financially guaranteed to be constructed for the above development.

Size	*Type Improvement	Location	From	To
32'	Residential Paving & Incidental Street Improvements Incl. 2-4' SW's & Std C&G's	Forest Hills Dr	San Pedro NE	Louisiana Blvd NE
8"	Sanitary Sewer & Appurtenances	Forest Hills Dr	San Pedro NE	Louisiana Blvd NE
8"	Watermain and Appurtenances	Forest Hills Dr	Glendora NE	Louisiana Blvd NE
18.5' Wide	Type "B" Concrete Lined Drainage Channel	20' Drainage ROW	Forest Hills Dr	Pino Arroyo

This instructional Information may be deleted from official listings

* Types may include Arterial Paving, Residential Paving, Water Line, Sanitary Sewer, Storm Sewer, Drainage Channel, Sidewalks, and Retaining Walls. Any non-standard design or waivers must be clearly described in this listing.

If Phased Platting is anticipated, a listing should be prepared for each proposed phase.

Use additional sheets as necessary to complete the listing. The final page must be signed by the preparer and provide signature spaces for DRB members, as illustrated below.

Prepared by: Thomas A. Romero
Print Name Thomas A. Romero
Firm Santiago Romero Jr. & Assoc. Inc.

****

Development Review Board Member Approvals

David Hamm 9/29/87 — Traffic Date
[illegible] 9-29-87 — WRD Date
Janet Sievers 9-29-87 — Parks & Rec. Date
Roger A. Green 9/29/87 — City Engineer/AMAFCA Date
Richard Dineen 9-29-87 — DRB Chairman Date

25x10

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FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

September 14, 1987

Thomas Romero
Santiago Romero, Jr. & Associates
2828 Twelfth Street, NW
Albuquerque, New Mexico 87107

RE: REVISED DRAINAGE REPORT SUBMITTAL OF ACADEMY ACRES, TRACT B, UNIT 16, RECEIVED AUGUST 27, 1987 FOR PRELIMINARY PLAT APPROVAL (E-18/D44) (W.O. #3260)

Dear Tom:

The above referenced submittal dated August 27, 1987 and drawings dated August 26, 1987, is approved for preliminary plat purposes.

Prior to Final Plat sign-off by the City Engineer, the following items are required:

1. An executed Subdivision Improvements Agreement.
2. Include on the plat a private Drainage Easement across Lots 19, 20, and 21 for drainage of these lots to the lined channel.

If you have any questions, call me at 768-2650.

Cordially,

Roger A. Green, PE

Roger A. Green, P.E.
C.E./Hydrology Section

cc: Andre Houle, DRC
Rodger Johnson, Owner

RAG/bsj

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0000 0000 2294

Santiago Romero, Jr. & Associates, Inc.
ENGINEERING • SURVEYING
ph. (505) 345-2733 (505) 344-6828

La Chamisa Compound
2828 12th St. N.W. Suite B
Albuquerque, New Mexico 87107

August 27, 1987

Job No. 87-03

RECEIVED
AUG 27 1987
HYDROLOGY SECTION

Mr. Fred Aguirre, P.E.
City of Albuquerque
Hydrology Section
P.O. Box 1293
Albuquerque, New Mexico 87103

RE: DRAINAGE REPORT (RESUBMITTAL)
REPLAT OF TRACT "B" UNIT 16, ACADEMY ACRES

Dear Mr. Aguirre:

Transmitted herewith are two copies of the revised Drainage Report for the above referenced subdivision. We have addressed all of the comments presented by Mr. Rodger Greene of your staff. Please note that the plat now reflects the existing drainage easement which must remain in effect until such date that the permanent Pino Arroyo Channel is constructed. A copy of Mr. Hogan's memo is also attached hereto which states that the Financial Guarantee has been satisfactorily accomplished.

We request that the plat remain as presented herewith to reflect the 10 lots and Tract "A", however restrictive language is now part of the plat which would restrict the development of these lots until the permanent channel improvements are in place. The infrastructure improvements will provide for the sanitary sewer and water service lines and drive pads to be installed for these lots. Grading operations could also be accomplished without having to subject this portion of the development to the replat process.

If you have any questions pertaining to this matter please feel free to contact me.

Sincerely,
SANTIAGO ROMERO JR., AND ASSOCIATES, INC.

Thomas A. Romero, C.E.T.
Vice President

TAR/dr
Enclosures

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: Replat of Tract "B" Unit 16 Academy Acres ZONE ATLAS/DRNG. FILE #: E-18 / D44

LEGAL DESCRIPTION: Tract "B", Unit 16 Academy Acres

CITY ADDRESS: Located between San Pedro and Louisiana approx. 1 Block South of San Antonio

ENGINEERING FIRM: Santiago Romero Jr., & Assoc CONTACT: Thomas Romero

ADDRESS: 2828 12TH NW PHONE: 345-2733

OWNER: Rodger Johnson CONTACT:

ADDRESS 2920 Stanford Dr NE PHONE:

ARCHITECT: N/A CONTACT:

ADDRESS: PHONE:

SURVEYOR: Santiago Romero Jr., & Associates CONTACT: Thomas Romero

ADDRESS: 2828 12TH NW PHONE: 345-2733

CONTRACTOR: N/A CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

RECEIVED AUG 27 1987 HYDROLOGY SECTION

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. 8778

EPC NO.

PROJECT NO. 3260

TYPE OF SUBMITTAL:

X DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAIN. PLAN

___ GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

X Resubmittal Drainage Report

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

X 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:

BY:

Rev. 11/84

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FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

August 4, 1987

Thomas Romero
Santiago Romero, Jr. & Associates
2828 Twelfth Street, NW
Albuquerque, New Mexico 87107

RE: DRAINAGE REPORT SUBMITTAL OF ACADEMY ACRES, TRACT B, UNIT 16, RECEIVED JULY 10, 1987 FOR PRELIMINARY PLAT APPROVAL (E-18/D44)

Dear Tom:

I have reviewed the above referenced submittal dated July 9, 1987, and have the following comments to be addressed prior to approval:

1. For the off-site drainage basin "C", provide previous approved Drainage Report File Number and copies of watershed map and calculations if available. Your report refers to an appendix with this information, but no appendix is included.

2. Show the direction of flows on Black Pine Place if none are accepted onto Forest Hills Drive.

3. Provide existing and proposed top of curb and flowline elevations on Forest Hills Drive.

4. How were the limits of the 100 year floodplain determined downstream of the constructed channel? Platting adjacent to an unlined arroyo is not allowed unless arroyo can be shown stable or funds are available for construction. Refer to comment 2 of my previous letter dated May 14, 1987.

5. The drainage channel between Lots 18 and 19 should be located within a right-of-way dedicated to the City instead of an easement over private property.

6. Section B-B of the drainage channel should refer to City of Albuquerque Standard Drawing 2260. not K-23.

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7. How will Lots 20 and 21 drain to the lined arroyo channel since the channel edge is higher than the lots? Provide details and cross lot drainage easements where required.

If you have any questions, please call me at 768-2650.

Cordially,

Roger A. Green, P.E.
C.E./Hydrology Section

RAG/bsj

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Santiago Romero, Jr. & Associates, Inc.
ENGINEERING • SURVEYING
ph. (505) 345-2733 (505) 344-6828

La Chamisa Compound
2828 12th St. N.W. Suite B
Albuquerque, New Mexico 87107

RECEIVED
JUL 10 1987
HYDROLOGY SECTION

July 9, 1987

Proj. No. 87-03

Mr. Fred Aguirre, PE
City Engineer
Hydrology Section
One Civic Plaza
Albuquerque, New Mexico

RE: Draninage Report for Tract "B", Unit 16, Academy Acres
A Residential Subdivision

Dear Mr. Aguirre:

Transmitted herewith are two Drainage Reports for the above referenced project for your review and approval.

Please contact me if you have any questions or require additional information or clarification of the transmitted items.

Sincerely,
SANTIAGO ROMERO JR. AND ASSOC., INC.

Thomas A. Romero

Thomas A. Romero, CET

cc: Mr. Rodger Johnson
w/attchment

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FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

May 14, 1987

Thomas A. Romero
Santiago Romero, Jr. & Associates
2828 Twelth Street, NW Suite B
Albuquerque, New Mexico 87107

RE: CONCEPTUAL GRADING & DRAINAGE PLAN SUBMITTAL OF ACADEMY ACRES, TRACT B, UNIT 16, RECEIVED APRIL 27, 1987 FOR SITE DEVELOPMENT PLAN APPROVAL (E-18/D44)

Dear Tom:

The drainage scheme of the above referenced submittal dated April 24, 1987, is approved for Site Development Plan sign-off by the City Engineer.

Prior to Preliminary Plat approval, the following items are required:

1. A more detailed grading and drainage plan showing hydrology calculations for the on-site and off-site watersheds, proposed spot elevations on all lots, street grades of Louisiana and Forest Hills, adjacent development grades, and elevations of the Pino Arroyo improvements.

2. Lots 1 through 13 cannot be platted unless evidence is provided that construction funds are available for the treatment of the Pino Arroyo to San Pedro Drive.

3. Vacation action for Forest Hills Drive has gone through the DRB Public Hearing process.

If you have any questions, call me at 768-2650.

Cordially,

Roger A. Green, PE

Roger A. Green, P.E.
Civil Hydrology Section

PUBLIC WORKS DEPARTMENT

Walter Kilkenon, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

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PUBLIC WORKS/HYDROLOGY

E18/D44

0000 0000 2300

RECEIVED
AUG 27 198
HYDROLOGY SECTION

MEMORANDUM: May 11, 1987

CITY OF ALBUQUERQUE PUBLIC WORKS DEPT.

ENGINEERING GROUP

TO: Fred Aguirre, P.E., City Hydrologist, Hydrology/PWD

FROM: Dan Hogan, P.E., L.S., Asst. Utility Engineer, Hydrology/Utility Design Sec.

SUBJECT: Academy Acres Unit 16, DRC No. 3260, DRB No. 87-78

During the DRC meeting for the referenced project held on May 8, 1987, there was a question concerning the developer's financial responsibility for on going improvements to the Pino Arroyo. This is to confirm that as part of an "Agreement and Exchange of Real Estate" between the City and Presley Company of New Mexico, executed on November 20, 1986 and recorded at the County the following day, Presley's obligation to provide certain infrastructure improvements were fulfilled. Specifically, the agreement fulfilled all obligations of Academy Acres, Unit 16 for paving of San Antonio Drive and the Pino Arroyo through the limits of that property. Although the agreement was more extensive than discussed here, no other infrastructure improvements were addressed.

If you need more information, please contact me at 2778.

DH:lk

cc: Tom Romero, Santiago Romero Jr., & Assc.
Richard Dineen, Planning
Bob Hogrefe, DRC
Jim Fink
Gene Leyendecker
File/ 511

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Santiago Romero, Jr. & Associates, Inc.
ENGINEERING • SURVEYING
ph. (505) 345-2733 (505) 344-6828

La Chamisa Compound
2828 12th St. N.W. Suite B
Albuquerque, New Mexico 87107

RECEIVED
APR 27 1987
HYDROLOGY SECTION

April 24, 1986

Mr. Fred Aguirre, PE
Design HYdrology Section
City of Albuquerque

REF: Conceptual Drainage and Grading Plan
Tract "B", UNIT 16, ACADEMY ACRES, E-18-Z

Dear Mr. Aguirre:

Transmitted herewith are two blueling prints of the Conceptual Drainage and Grading Plan for the above referenced project. Please note that this Site Plan has been presented to EPC and is pending Conceptual Grading and Drainage Plan approval in order to get DRB Site Plan signoff. Upon successful completion of the DRB Site Plan approval Property Management will begin the necessary procedures for disposing of the vacated right of way for Forest Hills Dr.

If you have any questions or require additional information pertaining to this submittal please contact me.

Sincerely,
SANTIAGO ROMERO JR. AND ASSOC., INC.

Thomas A. Romero

Thomas A. Romero, CET

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: RESIDENTIAL 14 UNITS/ACRE ZONE ATLAS/DRNG. FILE #: E-18-Z / D14

LEGAL DESCRIPTION: TRACT "B", UNIT-16, ACADEMY ACRES

CITY ADDRESS:

ENGINEERING FIRM: SANTIAGO ROMERO JR. AND ASSOCIATES CONTACT: THOMAS A. ROMERO

ADDRESS: 2828 12th NW SUITE A PHONE: 345-2733

OWNER: PINO ARROYO PROPERTY CONTACT: ROGER JOHNSON

ADDRESS 6605 UPTOWN BLVD SUITE 290 PHONE: 292-1931

ARCHITECT: CONTACT:

ADDRESS: PHONE:

SURVEYOR: SANTIAGO ROMERO JR. AND ASSOCIATES CONTACT: SANTIAGO ROMERO JR.

ADDRESS: 2828 12th NW SUITE A PHONE: 345-2733

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

✓ YES DRB NO.

NO EPC NO.

COPY OF CONFERENCE RECAP SHEET PROVIDED PROJECT NO.

RECEIVED APR 7 1987 HYDROLOGY SECTION

TYPE OF SUBMITTAL:

DRAINAGE REPORT

DRAINAGE PLAN

✓ CONCEPTUAL GRADING & DRAIN. PLAN

GRADING PLAN

EROSION CONTROL PLAN

ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

SKETCH PLAT APPROVAL

✓ PRELIMINARY PLAT APPROVAL

X 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: 4/24/'87

BY: [signature]

25×

0000 0000 2303

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

TUES
3:00.

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: E-18 DATE: 1-13-87

PLANNING DIVISION NOS: EPC: _____ DRB: _____

SUBJECT: TOWNHOUSE SUBDIVISION

STREET ADDRESS (IF KNOWN): FOREST HILLS DR NE, WEST OF LOUISIANA

SUBDIVISION NAME: Tract A - Unit 16 - Academy Estates

APPROVAL REQUESTED:

X	PRELIMINARY PLAT		FINAL PLAT
X	SITE DEVELOPMENT PLAN		BUILDING PERMIT
	OTHER		ROUGH GRADING

	WHO	REPRESENTING
ATTENDANCE:	~~Tom Romero~~	
	FERNANDO SANDIVAL	SANTIAGO - ROMERO
	ROGER GREEN	CITY HYDROLOGY

FINDINGS:

(1). Zoned SU-1 therefore Site Development Plan approval is required from EPC and DRB. This requires an Approved Conceptual Grading and Drainage Plan by Hydrology Section for City Engineer's signoff.

(2) Preliminary and Final Plat approvals at the DRB requires an Approved Grading and Drainage Plan from Hydrology per the DPM requirements.

(3) Adjacent to Pino Arroyo. STATUS OF TREATMENT AND LOCATION MUST BE SHOWN ON GRADING PLANS AFTER VERIFICATION WITH DAN HOGAN OF DESIGN HYDROLOGY SECTION. OFFICIAL FEMA MAPS PANEL 17 shows site is directly South of the 100 yr. FLOOD ZONE.

(4) IF DEVELOPMENT TAKES PLACE PRIOR TO CITY'S OBLIGATION OF CONSTRUCTION FUNDS FOR PINO ARROYO TREATMENT, THAN TREATMENTS MAY BE THE RESPONSIBILITY OF THE DEVELOPER.

(5). PLATTING REQUEST MUST INCLUDE VACATION REQUEST OF EXISTING DRAINAGE EASEMENTS.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED:	Roger A Green PE	SIGNED:	[illegible]
TITLE:	Civil Engineer	TITLE:	Designer
DATE:	1-13-87	DATE:	1/13/87.

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

25 x 10

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FOLLOWING DOCUMENT(S)

PRINTED ON COLORED

PAPER STOCK DO NOT

ALWAYS REPRODUCE WELL.

THIS RESULTS IN

A POOR FILM IMAGE.

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

TUES
3:00

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: _____ DATE: 1-13-87

PLANNING DIVISION NOS: EPC: _____ DRB: _____

SUBJECT: [illegible]

STREET ADDRESS (IF KNOWN): [illegible]

SUBDIVISION NAME: [illegible]

APPROVAL REQUESTED:

X	PRELIMINARY PLAT		FINAL PLAT
X	SITE DEVELOPMENT PLAN		BUILDING PERMIT
	OTHER		ROUGH GRADING

ATTENDANCE:	WHO	REPRESENTING
	[illegible]	[illegible]
	[illegible]	[illegible]
	[illegible]	[illegible]

FINDINGS:

[illegible]

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED:	[illegible]	SIGNED:	
TITLE:	[illegible]	TITLE:	
DATE:	1-22-87	DATE:	

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

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PLANS/PLATS ON FILE

FILE DESC: E18/D44

PLANS/PLATS 4

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