G11/D28

1 Plan

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

FILE COPY

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

August 24, 1984

Mr. John Andrews
Andrews, Asbury & Robert, Inc.
149 Jackson, NE
Albuquerque, New Mexico 87108

RE: DRAINAGE AND GRADING PLAN FOR UNIVERSITY OF ALBUQUERQUE ATHLETIC FIELDS, (G11-D28) RECEIVED AUGUST 20, 1984

Dear John:

The above referenced plan, dated August, 1984 is approved.

If I can be of further assistance, please contact me at 766-7644.

Sincerely yours,

Fred J. Aguirre
Design Hydrologist

FJA:bm

INFORMATION SHEET

PROJECT TITLE UNIVERSITY OF ALBUQUERQUE ATHLETIC FIELDS (611-D26) TYPE OF SUBMITTAL DRAINAGE & GRADING PLAN

ZONE ATLAS PAGE NO. F-11/G-11 CITY ADDRESS COORS BOULEVARD AND ST. JOSEPH'S PLACE NW

LEGAL DESCRIPTION LANDS OF UNIVERSITY OF ALBUQUERQUE

ENGINEERING FIRM ANDREWS, ASBURY & ROBERT, INC. CONTACT JOHN ANDREWS

ADDRESS 149 JACKSON NE, ALBUQUERQUE, NM 87108 PHONE 265-6631

OWNER UNIVERSITY OF ALBUQUERQUE CONTACT

ADDRESS ST. JOSEPH'S PLACE NW, ALBUQUERQUE NM 87140 PHONE 831-1111

ARCHITECT DE LA TORRE & RAINHART CONTACT GARY POLAGE

ADDRESS 6121 INDIAN SCHOOL RD NE ALBUQUERQUE NM PHONE 881-0550

SURVEYOR N/A CONTACT

ADDRESS PHONE

CONTRACTOR N/A CONTACT

ADDRESS PHONE

PRE-DESIGN MEETING:

X YES
___ NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
X GRADING/~~PAVING~~ PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

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AUG 20 1984
HYDROLOGY SECTION

DATE SUBMITTED: August 20, 1984

BY: John A. Andrews
John A. Andrews, P.E.

ANDREWS, ASBURY & ROBERT, INC.
Consulting Engineers
149 Jackson, NE, Albuquerque, New Mexico 87108
(505) 265-6631

John A. Andrews, P.E.
Charles T. Asbury, P.E.
John B. Robert, P.E. & L.S. (1915 - 1984)

August 20, 1984

RECEIVED
AUG 20 1984
HYDROLOGY SECTION

Mr. Fred Aguirre
City Engineering/Hydrology
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

SUBJECT: UNIVERSITY OF ALBUQUERQUE
ATHLETIC FIELDS

Dear Mr. Aguirre:

Transmitted herewith is a Drainage and Grading Plan for subject project for your review and approval.

As you will note from the Drainage Plan and Analysis included herewith, the project is to perform grading operations and then to seed the area with grass to provide playing fields for soccer and football.

Your earliest review and approval of this plan will be appreciated.

Very truly yours,

John A. Andrews

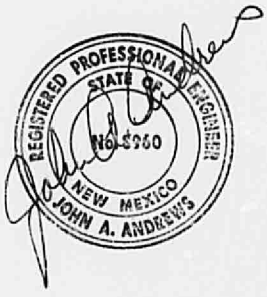
JOHN A. ANDREWS, P.E.

mt-386

Attachments

cc: Gary Polage, De La Torre & Rainhart (w/attachments)

ANDREWS, ASBURY & ROBERT, INC.
Consulting Engineers
149 Jackson NE
Albuquerque, New Mexico 87108



August 20, 1984

DRAINAGE PLAN AND ANALYSIS

Project: University of Albuquerque
Athletic Fields

Description: Project includes grading of a portion of the University of Albuquerque Lands, the installation of sprinkler and irrigation lines, and the seeding of the graded area with grass to provide for three (3) soccer fields and one football field.

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No additional impervious surfacing will be constructed.

Total contributing drainage area of the site is 1.35 acres.

Soils of the site are SCS Soils Group B.

Existing Conditions: The area is very sparsely vegetated and can be considered almost bare ground. Two small ponding areas now exist on the site.

The volume of these existing ponds are as follows:

Pond No. 1

Elevation	Area Sq.Ft.	Average Area Sq.Ft.	Depth Feet	Volume Cu.Ft.	Accumulated Volumne Cu.Ft.
5104.7	0				0
		4,688	0.3	1,406	
5105.0	9,375				1,406
		17,062	0.3	5,119	
5105.3	24,750				6,525

Pond No. 2

Elevation	Area Sq.Ft.	Average Area Sq.Ft.	Depth Feet	Volume Cu.Ft.	Accumulated Volume Cu.Ft.
					0
5106.2	0	4,062	0.8	3,250	3,250
5107.0	8,125	12,712	0.1	1,271	4,521
5107.1	17,300				

Total Volume of Pond No. 1 and Pond No. 2 under Existing Conditions 11,046 Cu.Ft.

Developed Conditions: The area will be seeded immediately upon completion of grading with high quality grass. Limits of the area will remain the same under developed conditions as under existing conditions. No additional runoff is anticipated due to grading and seeding of the area. In fact, runoff should be decreased due to the extensive grassed area that will be provided.

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Volume of the pond provided under developed conditions is as follows:

Elevation	Area Sq.Ft.	Average Area Sq.Ft.	Depth Feet	Volume Cu.Ft.	Accumulated Volume Cu.Ft.
					0
5104.0	7,075	9,588	1.0	9,588	9,588
5105.0	12,100	16,988	0.3	5,096	14,684
5105.3	21,875				

Total Volume of Pond under Developed Conditions, which is greater than Existing Conditions 14,684 Cu.Ft.

Overflow from ponding area will remain as presently exists, which is across the paved private road located along the north boundary of the University of Albuquerque property.

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. 611 DATE: 8/6/84

PLANNING DIVISION NO. _____

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AUG 20 1984
HYDROLOGY SECTION

CONFERENCE RECAP

SUBJECT: U of A Soccer Fields (Coors & St Joseph)

ATTENDANCE:	WHO	REPRESENTING
	John Rogers	
	Fred J. Aguirre	

FINDINGS:

1. Drainage Plan required for a grading permit.
(Grading of 500 cu yds or grading of 1.0 acre or more)
2. Ponding capacity on-site can not be reduced.
3. Existing overall must remain the same.
4. The volumes and rates must remain the same.

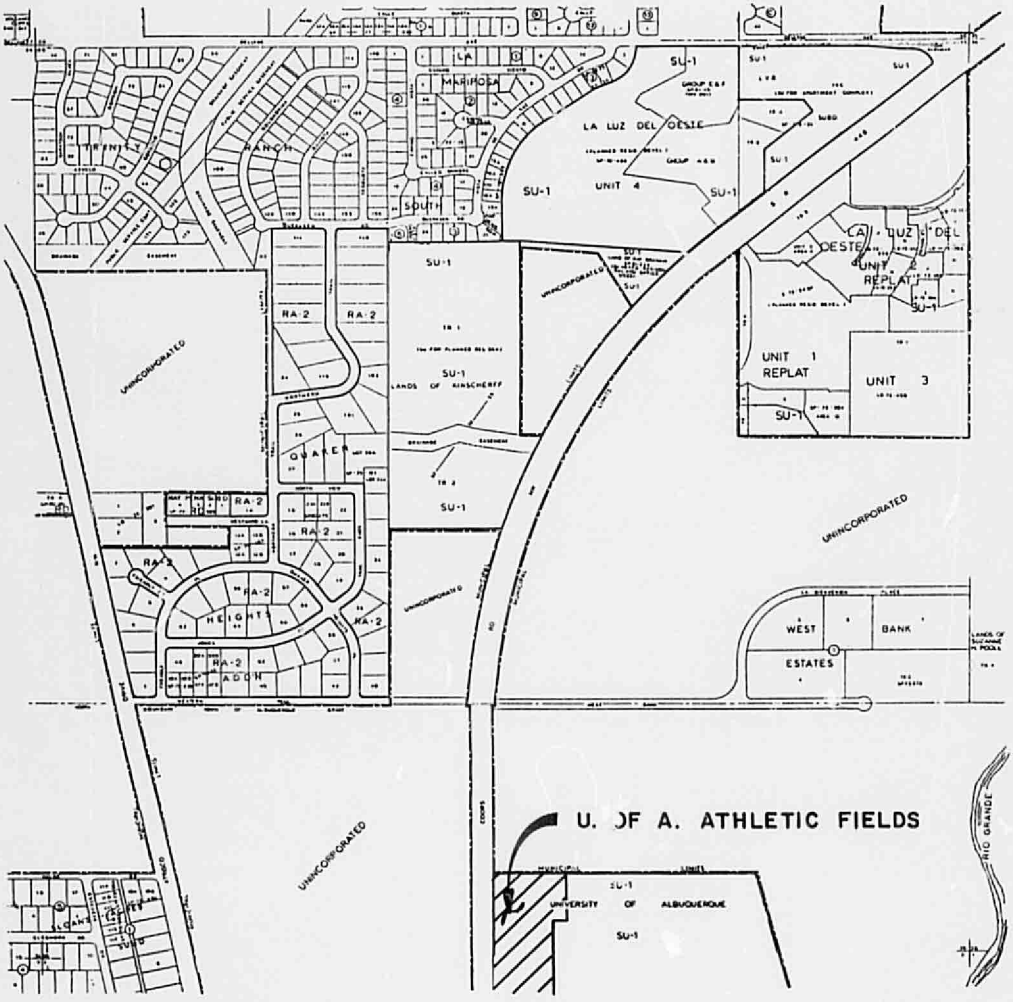
Loaned Monolithic Memories, Inc Drainage Management Plan Study
FJA 8/6/84

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: Fred J Aguirre SIGNED: John A Rogers

TITLE: _____ TITLE: _____

DATE: _____ DATE: _____



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JUNE 1982

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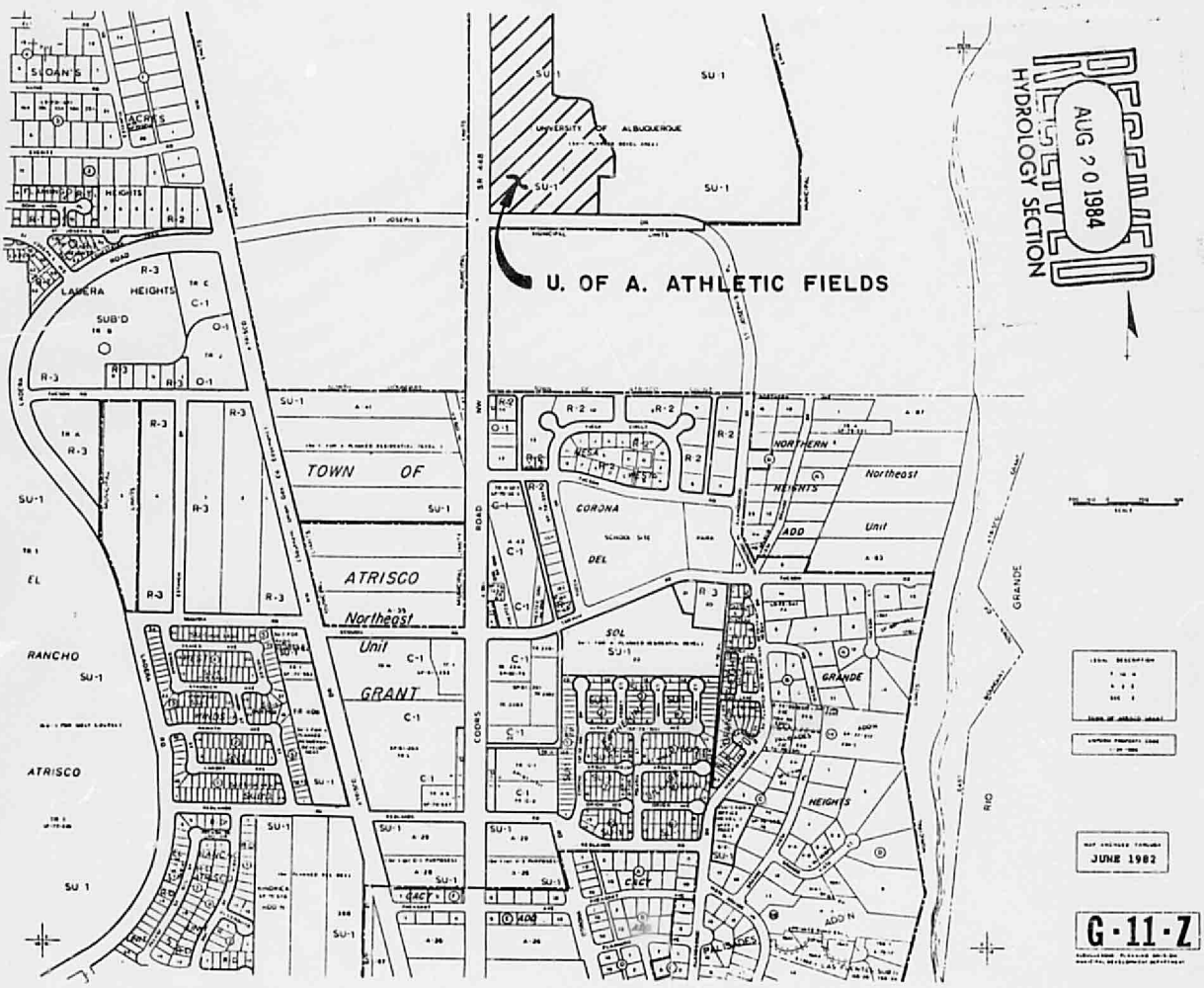
U. OF A. ATHLETIC FIELDS
RECEIVED
AUG 20 1984
HYDROLOGY SECTION
SLOAN'S
LAGUNA
LAMERA HEIGHTS
SUB'D
TOWN OF
ATRISCO
Northeast
Unit
GRANT
RANCHO
ATRISCO
CORONA
DEL
SOL
NORTHERN
HEIGHTS
Northeast
Unit
ADD
GRANDE
HEIGHTS
RIO GRANDE
COORS ROAD
SR 448
ST JOSEPH'S
UNIVERSITY OF ALBUQUERQUE
JUNE 1982
G-11-Z

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. 611 DATE: 8/6/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: U of A Soccer Fields (Coors + St Joseph)

WHO	REPRESENTING
ATTENDANCE: John Andrews	
Fred J. Reutter	

FINDINGS:
1. Drainage Plan required for a grading permit.
(grading of 5000 cu yds or grading of 1.0 acre or more)
2. Ponding capacity or -sill can not be reduced.
3. Existing outfall must remain the same.
4. The volumes and rates must remain the same.

Loring Monolithic Membranes, Inc Drainage Management Plan Study
FJR 8/6/84

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: _____ SIGNED: _____

TITLE: _____ TITLE: _____

DATE: _____ DATE: _____