PUBLIC WORKS/HYDROLOGY
L16/D24

0000 0000 1745

L116/D24

25×10 32×10

0000 0000 1746

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

March 9, 1987

August Mosimann
Engineering Associates
532 Adams, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR BAILEY & BLOMFIELD OFFICES
(L-16/D24) RECEIVED FEBRUARY 11, 1987

Dear Mr. Mosimann:

Phase I of the referenced drainage plan is approved for Building Permit. The temporary pond needs to be constructed with Phase I.

Prior to approval of the SD #19, we will need the construction notes on the drawing for work in the public right-of-way.

Prior to release of the other phases, please show an emergency spillway for the pond. The bottom of the pond should be sloped. Also, please submit a projected time table for construction of the other phases. Please address why the 4" PVC overflow pipe cannot be connected to the final outfall pipe.

If you should have any questions regarding this project, please call me at 768-2650.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/baj

PUBLIC WORKS DEPARTMENT
Walter Nickerson, P.E., City Engineer
ENGINEERING GROUP
Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

25×10 32×10

Rick

I checked the survey found the following problems

1. # 8 the invert does not seem right

2. # 22 - # 25 bottom of the pond is 3 feet too high

3. Did not get an overflow pipe elevation # 26

4. I want the pond to spill south # 27 is higher than # 21

BILL BAILEY
881-0607

CAM

25× 32×

Misc - 209 (5)

AIRPORT BLDG PLAZA

GERARD & GIBSON BLVD SE

3-30-88

WEPA & [illegible]

[illegible] - SHERIA

[illegible] SCHMITT

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

25×
32×

8641 0000 0000 0000

STA.	+	HI	INT	−	Elev.
	12.89	83.56			5270.67
#					
21			5.5		5278.06
22			7.5		76.06
23.			7.0		76.56
20			4.2		79.36
19			6.9		76.66
18			7.1		76.46
24			7.3		76.26
26			4.4		79.16
27			5.2		78.36
25			7.5		76.06
TP#1				2.03	81.53
	4.70	86.23			
17			6.10		80.13

65

Top of ½" GALV. IRON PIPE @ N.W. Prop. Cor.

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

25×
32×

STA	+	HI 86.23	INT	−	ELEV
16			6.35		79.88
15			5.72		80.51
13			4.15		82.08
14			6.33		79.90
TP#2				2.79	83.19
	6.93	90.42			
7			6.35		84.07
8			5.40		85.02
12			4.35		86.07
6			4.41		86.01
9			5.48		84.94
10			5.40		85.02
11			5.86		84.56
TP#3				0.82	89.60
	6.97	96.57			
4-A			7.38		89.19
4			7.69		88.88
5			6.54		90.03
3			7.66		88.91
2			7.64		88.93
1			8.12		88.45
B.M.				0.11	96.46
G-8A					

(96.42) E/X = 40.2'

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

25×
32×

(1) NEED SWALE ALONG NORTH END OF SITE TO CHANNEL RUNOFF THRU UNDEVELOPED AREA INTO THE POND.

(2) LOWER POND.

(3) REGRADE POND BERMS TO MAKE BERM ON SOUTH SIDE LOWER THAN NORTH BERM. TO PROVIDE SPILLWAY TO SOUTH

(4) INSTALL 4" PVC OVERFLOW AS SHOWN ON PLANS.

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

25X
32X

0000 0000 1752

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

February 4, 1987

August Mosimann
Engineering Associates
532 Adams, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR BAILEY & BLOMFIELD OFFICES
(L-15/D24) RECEIVED JANUARY 16, 1987

Dear Mr. Mosimann:

I have reviewed the referenced plan and forward the following comments:

1. I was unable to locate the existing drop inlet in Bloomn Boulevard on our facilities maps. Please submit information on the drop inlets and storm drain.

2. The temporary erosion pond needs to drain at a controlled rate. The purpose of this pond would be to eliminate sediment in the street or downstream storm drain. We cannot allow retention ponds.

3. The drop inlets labeled D-D2 in Phase 2 and 3 are mislabeled.

If you should have any questions regarding my comments, please call me at 768-2650.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/ts

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

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25×10 32×10

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RECEIVED
JAN 16 1987
HYDROLOGY SECTION

HISTORIC FLOW INTO GIRARD:

ROOF	0	0.000	0.90	0.000
ASPHALT & SIDEWALK	0	0.000	0.95	0.000
LANDSCAPE	0	0.000	0.25	0.000
UNDEVELOPED	12600	0.289	0.40	0.400
TOTALS:	12600	0.289		0.400

PROPOSED FLOW INTO GIRARD:

ROOF	0	0.000	0.90	0.000
ASPHALT & SIDEWALK	2250	0.052	0.95	0.566
LANDSCAPE	1540	0.035	0.25	0.101
UNDEVELOPED	0	0.000	0.40	0.000
TOTALS:	3790	0.087		0.667

RAINFALL, 100 YEAR, 6-HOUR, R-6; (SEE REF. A., PLATE 22.2 D-1)
RAINFALL = 2.2 inches

TIME OF CONCENTRATION, Tc; USE THE MINIMUM TIME OF CONCENTRATION OF TEN (10) MINUTES.

RAINFALL INTENSITY, I; (SEE REF. A., PLATE 22.2 D-2)

$$R\text{-}6 = 2.2'' \times I = 2.2'' \times 6.84 \times Tc^{-0.51}$$

$$R\text{-}6 = 2.2'' \times 6.84 \times (10)^{-0.51} = 4.65 \text{ IN/HR}$$

PEAK DISCHARGE:

EXISTING CONDITIONS: (USE RATIONAL EQUATION)

ENTIRE SITE: Q(100) = 7.85 cfs, Q(10) = 5.17 cfs
FLOW INTO GIRARD: Q(100) = 0.538 cfs, Q(10) = 0.35 cfs

PROPOSED CONDITIONS:

ENTIRE SITE: Q(100) = 16.21 cfs, Q(10) = 10.65 cfs
FLOW INTO GIRARD: Q(100) = 0.27 cfs, Q(10) = 0.18 cfs
TEMPORARY POND FLOW: Q(10) = 9.33 cfs
V(10) = 16029 cf

DRAINAGE CAPACITY:

15" PVC PIPE: Q(MAX) = 17.35 cfs
TEMPORARY POND VOLUME: V(MAX) = 16600 cf

25×10 32×10

0000 0000 1754

RECEIVED
MAR 20 1987
HYDROLOGY SECTION

March 18, 1987

August F. Mosimann

engineering associates, inc.
532 Adams St., NE
Albuquerque, NM
87108
(505) 265-6545

Carlos A. Montoya
City/County Floodplain Administrator
Utility Development Division
Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: Drainage Plan for Bailey Blomfield Offices at Girard and Gibson N.E. (L-16/D24)

Dear Mr. Montoya:

In reference to your letter of March 9th and our telephone conversation on the 13th of March, I am responding to the items on the Drainage and Grading Plan you questioned.

1. All construction notes regarding the S. O. #19 work are included on the S.O. #19 sheet.

2. We felt an emergency spillway on the temporary pond was unnecessary because in the unlikely event the pond should overflow the water can only travel in one direction (southwesterly) and will cause no flood danger to surrounding properties. Some silt may wash onto the paved lot west of the job but it should be much less than what flows that direction from the unimproved lot that exists now.

3. Bailey Blomfield has informed me they have a projected time table of 8 months to complete each phase of construction. This time table translates into a period of two years before the final phase of construction is under way. However, once this phase has begun the drop inlets will be completed and tied into the City Storm Drain System.

4. The 4" overflow pipe on the temporary pond cannot be connected to the final outflow pipe because that outflow pipe is not scheduled for installation until Phase 4 begins. Also, any connection to this outflow pipe would have to occur in a location such that the temporary access road indicated on the Phasing Plan would be eliminated. Since this access is desirable the overflow pipe is routed as shown.

Architectural Structural
Civil Structural
Site Analysis
Drainage Studies
Computer Applications
Inspection Services

25×10 32×10

0000 0000 1755

engineering associates, inc.

August F. Mosimann

532 Adams St., NE
Albuquerque, NM
87108
(505) 265-6545

If this information does not sufficiently answer your questions or you need any further information regarding this project please call me at 265-6545.

Sincerely,

Mike J. Walla
for
Engineering Associates, Inc.

MJW/hs

Architectural Structural
Civil Structural
Site Analysis
Drainage Studies
Computer Applications
Inspection Services

25×10 32×10

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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

March 9, 1987

August Mosimann
Engineering Associates
532 Adams, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR BAILEY & BLOMFIELD OFFICES
(L-16/D24) RECEIVED FEBRUARY 11, 1987

Dear Mr. Mosimann:

Phase I of the referenced drainage plan is approved for Building Permit. The temporary pond needs to be constructed with Phase I.

Prior to approval of the SO #19, we will need the construction notes on the drawing for work in the public right-of-way.

Prior to release of the other phases, please show an emergency spillway for the pond. The bottom of the pond should be sloped. Also, please submit a projected time table for construction of the other phases. Please address why the 4" PVC overflow pipe cannot be connected to the final outfall pipe.

If you should have any questions regarding this project, please call me at 768-2650.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

25×10 32×10

0000.0000 1757

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Bailey & Blomfield Offices ZONE ATLAS / DRNG FILE:L-16-Z 024

LEGAL DESCRIPTION: Tract D-3-A, Lands of Pierce and Pace
Albuquerque, Bernalillo County, New Mexico

CITY ADDRESS: 2021 Girard S.E. Albuquerque, New Mexico

ENGINEERING FIRM: Engineering Associates CONTACT: August F. Mosimann

ADDRESS: 532 Adams NE 87102 PHONE: 265-6545

OWNER: Bailey Blomfield Associates CONTACT: Bill Bailey

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

ARCHITECT: Bailey Blomfield Associates CONTACT: Mark Jackson-Weaver

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

SURVEYOR: Clausen & Associates, INC. CONTACT: David C. Clausen

ADDRESS: 3400 Stanford Dr. N.E. PHONE: 888-0698

CONTRACTOR: Bailey Blomfield Associates CONTACT: Bill Bailey

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

RECEIVED
FEB 11 1987
HYDROLOGY SECTION

PREDESIGN MEETING:

_X_YES
___NO
_X_COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO.
EPC NO.
PROJ. NO.

TYPE OF SUBMITTAL:
___DRAINAGE REPORT
_X_DRAINAGE PLAN
___CONCEPTUAL GRADING & DRAINAGE PLAN
_X_GRADING PLAN
___EROSION CONTROL PLAN
___ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:
___SKETCH PLAT
___PRELIMINARY PLAT
___SITE DEVELOPMENT PLAN
___FINAL PLAT APPROVAL
_X_BUILDING PERMIT APPROVAL
___CERTIFICATE OF OCCUPANCY
___ROUGH GRADING PERMIT
___GRADING/PAVING PERMIT
___OTHER (SPECIFY)

DATE SUBMITTED: February 11, 1987

BY: Mike J. Walla
for
Engineering Associates, Inc.

25×10 32×10

0000 0000 1758

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

February 4, 1987

August Mosimann
Engineering Associates
532 Adams, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR BAILEY & BLOMFIELD OFFICES
(L-16/D24) RECEIVED JANUARY 16, 1987

Dear Mr. Mosimann:

I have reviewed the referenced plan and forward the following comments:

1. I was unable to locate the existing drop inlet in Gibson Boulevard on our facilities maps. Please submit information on the drop inlets and storm drain.

2. The temporary erosion pond needs to drain at a controlled rate. The purpose of this pond would be to eliminate sediment in the street or downstream storm drain. We cannot allow retention ponds.

3. The drop inlets labeled C-C2 in Phase 2 and 3 are mislabeled.

If you should have any questions regarding my comments, please call me at 768-2650.

Cordially,

Carlos A. Montoya

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CA/ds

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer ENGINEERING GROUP Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

25×10 32×10

0000 0000 1759

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Bailey & Blomfield Offices ZONE ATLAS / DRNG FILE: L-16-~~D~~ D24

LEGAL DESCRIPTION: Tract D-3-A, Lands of Pierce and Pace
Albuquerque, Bernalillo County, New Mexico

CITY ADDRESS: 2021 Girard S.E. Albuquerque, New Mexico

ENGINEERING FIRM: Engineering Associates CONTACT: August F. Mosimann

ADDRESS: 532 Adams NE 87102 PHONE: 265-6545

OWNER: Bailey Blomfield Associates CONTACT: Bill Bailey

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

ARCHITECT: Bailey Blomfield Associates CONTACT: Mark Jackson-Weaver

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

SURVEYOR: Clausen & Associates, INC. CONTACT: David C. Clausen

ADDRESS: 3400 Stanford Dr. N.E. PHONE: 888-0690

CONTRACTOR: Bailey Blomfield Associates CONTACT: Bill Bailey

ADDRESS: 5801 Osuna N.E. PHONE: 881-0607

RECEIVED
JAN 16 1987
HYDROLOGY SECTION

PREDESIGN MEETING:

_X_YES
___NO
_X_COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. 84-253 - 4/17/84
EPC NO.
PROJ. NO.

TYPE OF SUBMITTAL:
___DRAINAGE REPORT
_X_DRAINAGE PLAN
___CONCEPTUAL GRADING & DRAINAGE PLAN
_X_GRADING PLAN
___EROSION CONTROL PLAN
___ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:
___SKETCH PLAT
___PRELIMINARY PLAT
___SITE DEVELOPMENT PLAN
___FINAL PLAT APPROVAL
_X_BUILDING PERMIT APPROVAL
___CERTIFICATE OF OCCUPANCY
___ROUGH GRADING PERMIT
___GRADING/PAVING PERMIT
___OTHER (SPECIFY)

DATE SUBMITTED:

BY: August F. Mosimann
for
Engineering Associates, Inc.

25×10 32×10

0000 0000 1760

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

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: 416 DATE: 12-2-86
PLANNING DIVISION NOS: EPC: _____ DRB: _____
SUBJECT: Gibson office
STREET ADDRESS (IF KNOWN): To DSA of to DSA
SUBDIVISION NAME: 3 D-3-R

APPROVAL REQUESTED:

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

ATTENDANCE:	WHO	REPRESENTING
	[illegible]	
	[illegible]	

FINDINGS:

1. Drainage plan per DPM
2. Downstream capacity
   A. Calculate at [illegible] to show if [illegible] and flows to [illegible] Park
   B. Gibson - show that will not interrupt flow to Gibson
3. Need to show phasing of projects
4. Not in a flood zone - do not downgrade the flood zone
5. [illegible] pond needs to contain 100 year flood with outlet pipe

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: [illegible]
TITLE: _____ TITLE: [illegible]
DATE: 12-2-86 DATE: 12/2/86

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

25× 32×

0000 0000 1761

DRAINAGE SUMMARY

Airport Building Plaza
2021 Simard S.E.
Albuquerque, New Mexico 87106

RECEIVED
JAN 14 1987
HYDROLOGY SECTION

Submitted by:
Mike Walla for:
Engineering Associates, Inc.
532 Adams N.E.
Albuquerque, New Mexico 87108
(505) 265-6545

References :

A. City of Albuquerque Developement Process Manual (DPM) Volume 2, Design Criteria, Chapter 22, Drainage, Flood Control and Erosion Control.

B. Soil Survey of Bernalillo County, New Mexico, United States Department of Agriculture, Soil Conservation Service.

General Information :

A. Soil Type (Ref. B., Page 44) is WAB, Wink fine sandy loam, 0 to 5 percent slopes. Runoff is medium. Permeability is moderately rapid, and the Hazard of Erosion is slight to moderate: Soil Group B.

B. Perviousness:

SURFACE TYPE	AREA SIZE SQ. FT.	ACRES	"C" VALUES INIT.	WT. AVG.
ENTIRE SITE: PROPOSED				
ROOF	55808	1.281	0.90	0.2732
ASPHALT & SIDEWALK	97095	2.229	0.95	0.5108
LANDSCAPE	30933	0.710	0.25	0.0421
UNDEVELOPED	0	0.000	0.40	0.0000
TOTALS:	183836	4.220		0.8261
ENTIRE SITE: EXISTING				
ROOF	0	0.000	0.90	0.0000
ASPHALT & SIDEWALK	0	0.000	0.95	0.0000
LANDSCAPE	0	0.000	0.25	0.0000
UNDEVELOPED	183836	4.220	0.40	0.4000
TOTALS:	183836	4.220		0.4000
PHASING AREA CONTRIBUTING TO TEMPORARY POND:				
ROOF	42496	0.976	0.90	0.2082
ASPHALT & SIDEWALK	76808	1.763	0.95	0.3969
LANDSCAPE	26382	0.605	0.25	0.0358
UNDEVELOPED	38150	0.876	0.40	0.0830
TOTALS:	183836	4.220		0.7239

25×10 32×10

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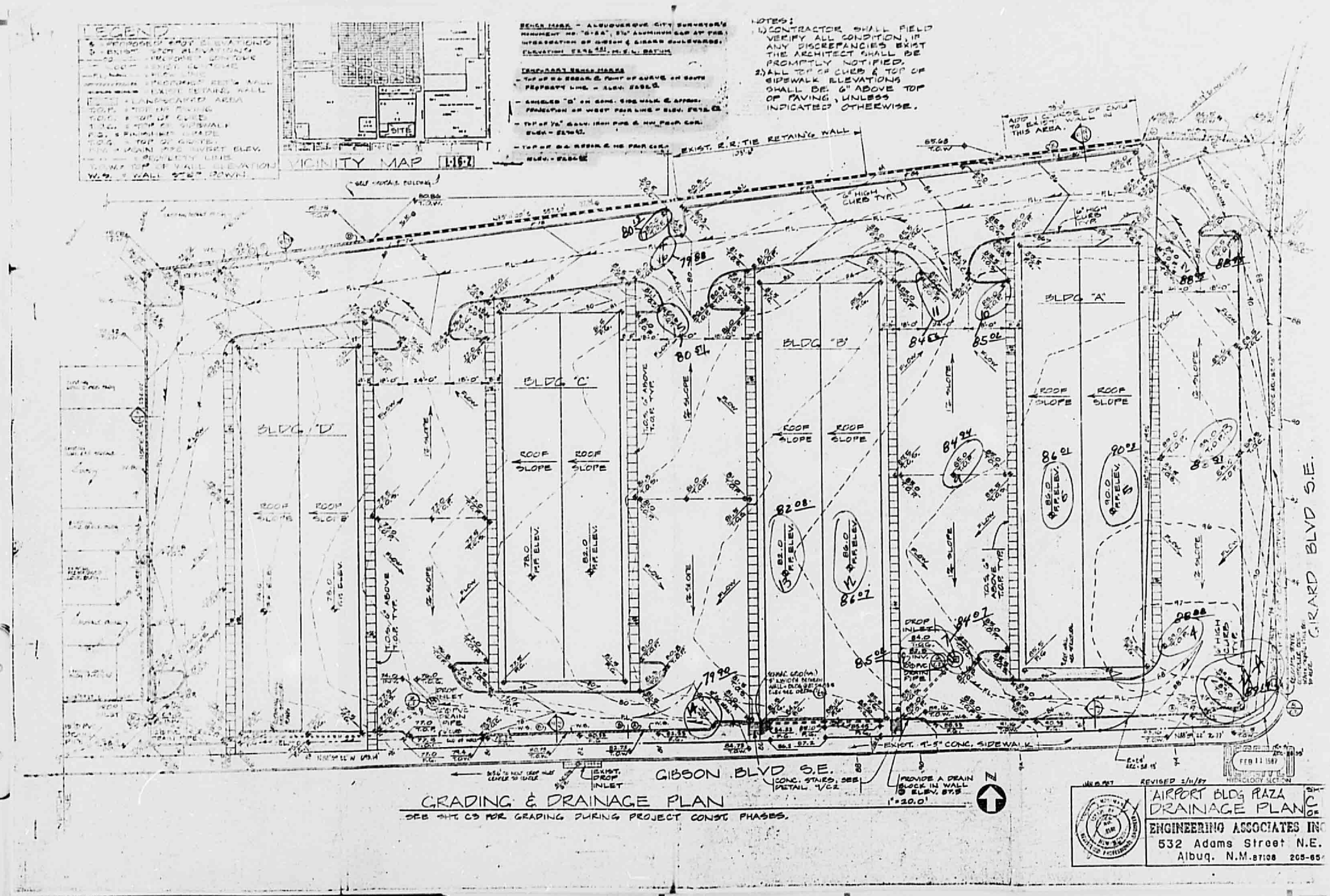

25×10 32×10 25×11

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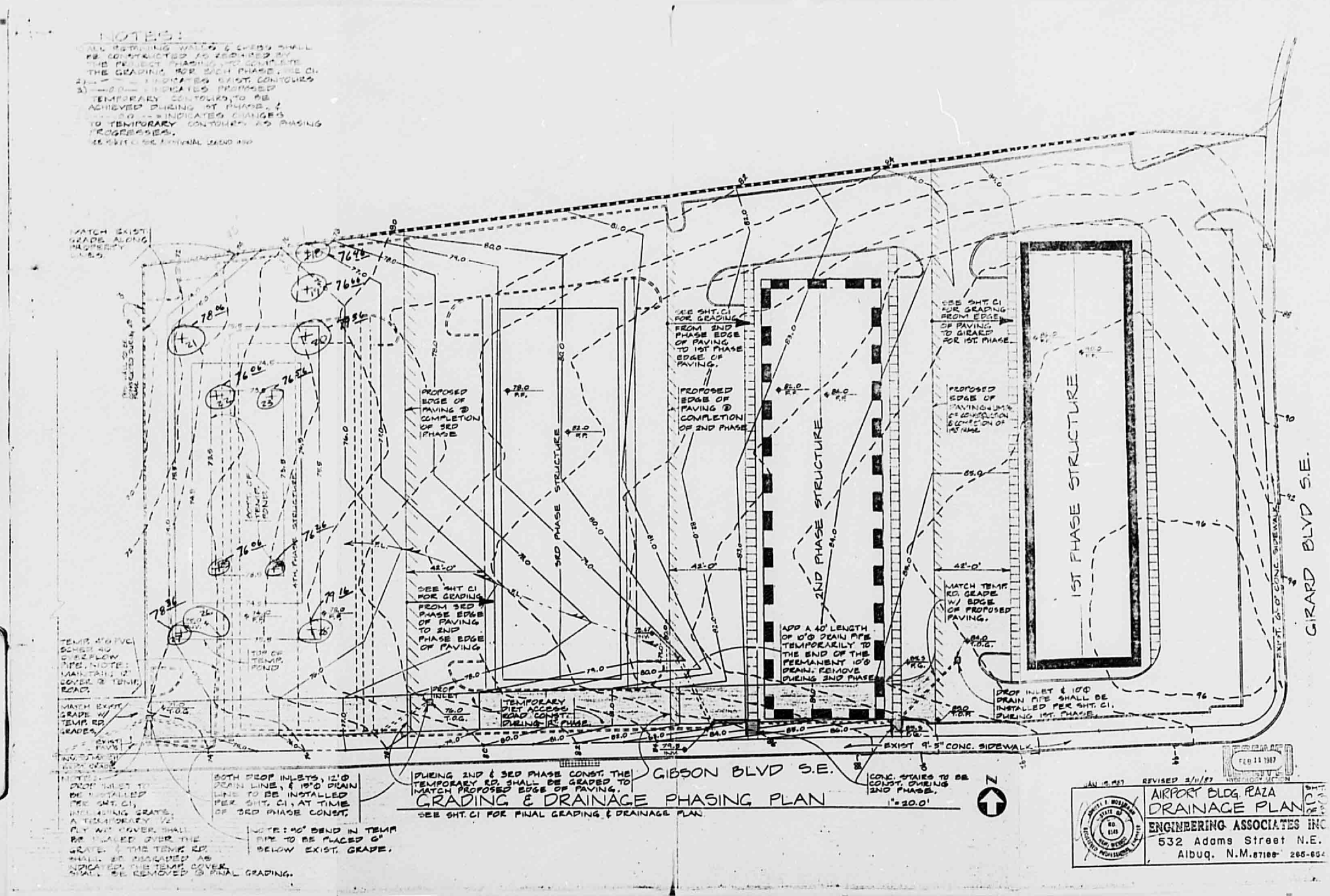
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT



25×10 32×10 25×11

0000 0000 1764

PLANS/PLATS ON FILE

FILE DESC: _____

L16/D24

_____

_____

_____

PLANS/PLATS 9

25×10 32×10

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