

OCTOBER 18, 2010

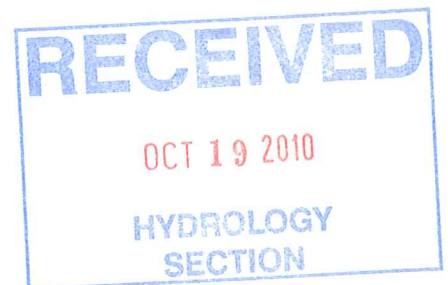
# SUPPLEMENTAL INFORMATION

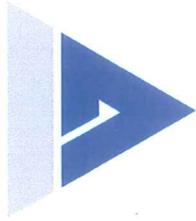
FOR

## SAGE & UNSER MARKETPLACE

BY

I&A PROJECT NO. 1802/1761





October 18, 2010

UNSER AND SAGE MARKETPLACE  
MASTER DRAINAGE STUDY

The referenced PROPERTY is an undeveloped commercial property located within City of Albuquerque (C.O.A.) Vicinity Map M-10-Z. The 9.1590 acre site is bound to the east and south by developed residential property, to the west by Unser Blvd. SW, and to the north by Sage Road SW. The PROPERTY, as shown on this preliminary plat submittal, will be subdivided into five tracts as follows:

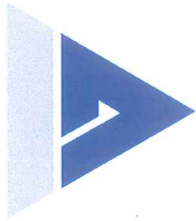
Lands of Albuquerque South Unit 1-B, City Of Albuquerque, Bernalillo County, New Mexico.

Tract A-1: 4.79 Acres (to be subdivided into four tracts by future plating actions)  
Tract A-2: 1.01 Acres  
Tract A-3: 1.37 Acres  
Tract A-4: 1.10 Acres  
Tract A-5: 0.83 Acres

Proposed improvements: the proposed improvements include new commercial buildings, site walks, access and parking pavement and associated landscaping.

The purpose of this master plan is to identify overall basins, drainage patterns and allowable discharge rates. The individual tracts will be developed separately and will be required to adhere to the master drainage and grading plan as follows:

- The development of each tract must include the preparation of a drainage and grading plan for C.O.A. Hydrology review and approval for building permit.

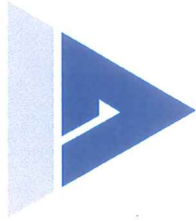


- The maximum allowable discharge from each tract is based on the 100-year, 6-hour storm event based on land treatment of 10% B, 10% C and 80% D. as follows:

TRACT Q100 SUMMARY		
Tract No:	Tract Area (ac)	*Discharge (Q)
A-1	4.7931	19.1
A-2	1.0086	4.0
A-3	1.3693	5.5
A-4	1.1023	4.4
A-5	0.8257	3.3
TOTAL	9.0990	36.29

\*Each Tract discharge (Q) based on 10% B, 10% C, 80% D. Discharge generated in excess of this must be detained on individual tract.

- Each tract exceeding the above discharge rate must provide on-site detention pond(s) or underground storage as required to reduce the tract discharge to the allowable rate.
- Each tract drainage and grading plan must include temporary off-tract erosion control features such as desiltation ponds, temporary swales, etc. as required to protect undeveloped portion of PROPERTY.



## Isaacson & Arfman, P.A.

Consulting Engineering Associates

*Thomas O. Isaacson, PE & LS \* Fred C. Arfman, PE \* Åsa Nilsson-Weber, PE*

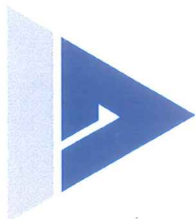
**BENCHMARK:** vertical datum is based on AGRS monument "1-M10", a brass disc set in concrete located in the southeast quadrant of the intersection of Unser Blvd. And Sage Rd. SW. Elevation=5082.757 (navd88)

**SURVEYOR:** Aldrich Land Surveying, contact – Tim Aldrich, Phone: 505-884-1990

**FLOOD ZONE:** As shown on Flood Insurance Rate Map No: 35001C0336G, revised September 26, 2009 (see attached exhibit), The PROPERTY appears to lie mostly within ZONE X (areas determined to be outside the 0.2% annual chance flood plain.) The northerly boundary appears to be in close proximity to ZONE AO: Depth 1' (special flood hazard area – subject to inundation by the 1% annual flood chance – usually sheet flow on sloping terrain – average depths determined). The northwesterly corner appears to be in close proximity to ZONE X SHADED (areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood).

**OFF-SITE DRAINAGE:** No off-site drainage will pass through the overall property. All proposed tracts will be covered by a blanket drainage easement.





# Isaacson & Arfman, P.A.

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## DRAINAGE PLAN CONCEPT:

The undeveloped property currently generates approximately 16.5 cfs during the 100-year 6-hour storm. The fully developed condition will generate approximately 36.3 cfs.

CALCULATIONS: Unser and Sage Marketplace : August 11, 2010									
Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993									
ON-SITE									
AREA OF SITE:		396356		SF	=	9.1			
100-year, 6-hour									
HISTORIC FLOWS:			DEVELOPED FLOWS:			EXCESS PRECIP:			
		Treatment SF	%			Treatment SF	%	Precip. Zone	1
Area A	=	158542.2707	40%	Area A	=	0	0%	E <sub>A</sub>	= 0.44
Area B	=	198177.8384	50%	Area B	=	39636	10%	E <sub>B</sub>	= 0.67
Area C	=	39635.56767	10%	Area C	=	39636	10%	E <sub>C</sub>	= 0.99
Area D	=	0	0%	Area D	=	317085	80%	E <sub>D</sub>	= 1.97
Total Area	=	396355.6767	100%	Total Area	=	396355.6767	100%		
On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm)									
$\text{Weighted E} = \frac{E_A A_A + E_B A_B + E_C A_C + E_D A_D}{A_A + A_B + A_C + A_D}$									
Historic E	=	0.61 in.		Developed E	=	1.74 in.			
On-Site Volume of Runoff: $V_{360} = E \cdot A / 12$									
Historic V <sub>360</sub>	=	20148 CF		Developed V <sub>360</sub>	=	57538 CF			
On-Site Peak Discharge Rate: $Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D / 43,560$									
For Precipitation Zone 1									
	Q <sub>pA</sub>	=	1.29		Q <sub>pC</sub>	=	2.87		
	Q <sub>pB</sub>	=	2.03		Q <sub>pD</sub>	=	4.37		
Historic Q <sub>p</sub>	=	16.5 CFS		Developed Q <sub>p</sub>	=	36.3 CFS			

Per the approved Drainage Master Plan for The Rolling Hills Subdivision prepared by Isaacson & Arfman, P.A. and dated January, 1996, PROPERTY will be divided into two drainage basins.

# INDIVIDUAL TRACT CALCULATIONS

TRACT NO:	A-1	DESCRIPTION	TOTAL TRACT DISCHARGE										
Area of basin flows =	208789	SF	= 4.7931 Ac.										
The following calculations are based on Treatment areas as shown in table to the right													
Sub-basin Weighted Excess Precipitation (see formula above)			<table border="1"> <thead> <tr> <th colspan="2">LAND TREATMENT</th> </tr> </thead> <tbody> <tr> <td>A =</td> <td>0%</td> </tr> <tr> <td>B =</td> <td>10%</td> </tr> <tr> <td>C =</td> <td>10%</td> </tr> <tr> <td>D =</td> <td>80%</td> </tr> </tbody> </table>	LAND TREATMENT		A =	0%	B =	10%	C =	10%	D =	80%
LAND TREATMENT													
A =	0%												
B =	10%												
C =	10%												
D =	80%												
Weighted E = 1.74 in.													
Sub-basin Volume of Runoff (see formula above)													
V <sub>360</sub> = 30309 CF													
Sub-basin Peak Discharge Rate: (see formula above)													
Q <sub>P</sub> = 19.1 cfs													
TRACT NO:	A-2	DESCRIPTION	TOTAL TRACT DISCHARGE										
Area of basin flows =	43935	SF	= 1.0086 Ac.										
The following calculations are based on Treatment areas as shown in table to the right													
Sub-basin Weighted Excess Precipitation (see formula above)			<table border="1"> <thead> <tr> <th colspan="2">LAND TREATMENT</th> </tr> </thead> <tbody> <tr> <td>A =</td> <td>0%</td> </tr> <tr> <td>B =</td> <td>10%</td> </tr> <tr> <td>C =</td> <td>10%</td> </tr> <tr> <td>D =</td> <td>80%</td> </tr> </tbody> </table>	LAND TREATMENT		A =	0%	B =	10%	C =	10%	D =	80%
LAND TREATMENT													
A =	0%												
B =	10%												
C =	10%												
D =	80%												
Weighted E = 1.74 in.													
Sub-basin Volume of Runoff (see formula above)													
V <sub>360</sub> = 6378 CF													
Sub-basin Peak Discharge Rate: (see formula above)													
Q <sub>P</sub> = 4.0 cfs													
TRACT NO:	A-3	DESCRIPTION	TOTAL TRACT DISCHARGE										
Area of basin flows =	59648	SF	= 1.3693 Ac.										
The following calculations are based on Treatment areas as shown in table to the right													
Sub-basin Weighted Excess Precipitation (see formula above)			<table border="1"> <thead> <tr> <th colspan="2">LAND TREATMENT</th> </tr> </thead> <tbody> <tr> <td>A =</td> <td>0%</td> </tr> <tr> <td>B =</td> <td>10%</td> </tr> <tr> <td>C =</td> <td>10%</td> </tr> <tr> <td>D =</td> <td>80%</td> </tr> </tbody> </table>	LAND TREATMENT		A =	0%	B =	10%	C =	10%	D =	80%
LAND TREATMENT													
A =	0%												
B =	10%												
C =	10%												
D =	80%												
Weighted E = 1.74 in.													
Sub-basin Volume of Runoff (see formula above)													
V <sub>360</sub> = 8659 CF													
Sub-basin Peak Discharge Rate: (see formula above)													
Q <sub>P</sub> = 5.5 cfs													
TRACT NO:	A-4	DESCRIPTION	TOTAL TRACT DISCHARGE										
Area of basin flows =	48018	SF	= 1.1023 Ac.										
The following calculations are based on Treatment areas as shown in table to the right													
Sub-basin Weighted Excess Precipitation (see formula above)			<table border="1"> <thead> <tr> <th colspan="2">LAND TREATMENT</th> </tr> </thead> <tbody> <tr> <td>A =</td> <td>0%</td> </tr> <tr> <td>B =</td> <td>10%</td> </tr> <tr> <td>C =</td> <td>10%</td> </tr> <tr> <td>D =</td> <td>80%</td> </tr> </tbody> </table>	LAND TREATMENT		A =	0%	B =	10%	C =	10%	D =	80%
LAND TREATMENT													
A =	0%												
B =	10%												
C =	10%												
D =	80%												
Weighted E = 1.74 in.													
Sub-basin Volume of Runoff (see formula above)													
V <sub>360</sub> = 6971 CF													
Sub-basin Peak Discharge Rate: (see formula above)													
Q <sub>P</sub> = 4.4 cfs													
TRACT NO:	A-5	DESCRIPTION	TOTAL TRACT DISCHARGE										
Area of basin flows =	35966	SF	= 0.8257 Ac.										
The following calculations are based on Treatment areas as shown in table to the right													
Sub-basin Weighted Excess Precipitation (see formula above)			<table border="1"> <thead> <tr> <th colspan="2">LAND TREATMENT</th> </tr> </thead> <tbody> <tr> <td>A =</td> <td>0%</td> </tr> <tr> <td>B =</td> <td>10%</td> </tr> <tr> <td>C =</td> <td>10%</td> </tr> <tr> <td>D =</td> <td>80%</td> </tr> </tbody> </table>	LAND TREATMENT		A =	0%	B =	10%	C =	10%	D =	80%
LAND TREATMENT													
A =	0%												
B =	10%												
C =	10%												
D =	80%												
Weighted E = 1.74 in.													
Sub-basin Volume of Runoff (see formula above)													
V <sub>360</sub> = 5221 CF													
Sub-basin Peak Discharge Rate: (see formula above)													
Q <sub>P</sub> = 3.3 cfs													

TOTAL AREA = 9.1 ACRES  
 $Q_{100} = 36.3 \text{ cfs}$

ROLLING HILLS SUBDIVISION UNIT 1

(formerly Tract B, Lands of Albuquerque South)

S05°57'08"E 480.00' W N 5°57'06" E 490.00'

ZONE "AO"  
(DEPTH 1')

SAGE ROAD SW

BASIN 1 (4.1 acres @ 16.4 cfs)

TO SAGE ROAD

TRACT A-5  
0.83 AC.

TRACT A-4  
1.10 AC.

TRACT A-3  
1.37 AC.

TRACT A-1  
4.79 AC.

BASIN 2 (5.0 acres @ 19.9 cfs)

TO REAR SOUTHEAST POND DISCHARGING TO  
ROLLING HILLS SUBDIVISION AT 19.9 CFS MAX.

TRACT A-2  
1.01 AC.

15 DRAINAGE  
EASEMENT

ROLLING HILLS SUBDIVISION UNIT THREE  
(formerly Tract B, Lands of Albuquerque South)

N 84°02'54" E 850.00'

S04°12'54" W

S 85°03'30" W

S04°13'17"

850.00'

13

14

15

16

17

18

19

20

21

40

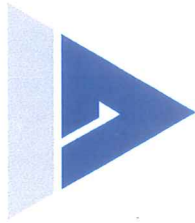
41

42

UNSER BLVD NW

FLOOD ZONE LINES AS SHOWN HEREON WERE  
OBTAINED FROM FLOOD INSURANCE RATE MAP NUMBER  
25070-00335C. MAP REVISED SEPTEMBER 26, 2006.

ZONE "X"  
(SHADED)



BASIN 1 will free discharge to Sage Road to enter the existing public storm drain via existing and / or new inlets. The overall basin will consist of the following Tract portions:

Portion of Tract A-1:	1.08 Acres	4.3 CFS
Portion of Tract A-2:	0.50 Acres	2.0 CFS
Portion of Tract A-3:	1.37 Acres	5.5 CFS
Portion of Tract A-4:	0.67 Acres	2.7 CFS
Portion of Tract A-5:	0.49 Acres	2.0 CFS

Total Discharge to Sage Road = 16.4 CFS (4.1 acres).

BASIN 2 consisting of the remaining portions of the site tracts is permitted a to free discharge 19.9 cfs to the existing public 15' wide Drainage R.O.W. dedicated to the City of Albuquerque by the Plat for Rolling Hills Subdivision, Unit Three, dated March 1997 (see attached copy of plat) located near the southeast portion of PROPERTY. The overall basin will consist of the following Tract portions:

Portion of Tract A-1:	3.71 Acres	14.8 CFS
Portion of Tract A-2:	0.51 Acres	2.0 CFS
Portion of Tract A-4:	0.43 Acres	1.7 CFS
Portion of Tract A-5:	0.34 Acres	1.3 CFS

Total Discharge to ~~Rear Detention Pond~~ <sup>Drainage Row</sup> = 19.9 CFS (5.0 acres).

Flow in excess of the allowable tract discharge rate will be detained within detention ponds on each tract. See basin calculations and supplemental information for a more detailed analysis of site discharge.



TRACT PORTIONS  
DRAINING TO Sage Rd.

BASIN NO.	A-1	DESCRIPTION	Portion To Sage Road
Area of basin flows =	46982	SF	= 1.08 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)		LAND TREATMENT	
Weighted E =		A = 0%	
		B = 10%	
Sub-basin Volume of Runoff (see formula above)		C = 10%	
V <sub>360</sub> =		D = 80%	
Sub-basin Peak Discharge Rate: (see formula above)			
Q <sub>P</sub> =			
BASIN NO.	A-2	DESCRIPTION	Portion To Sage Road
Area of basin flows =	21640	SF	= 0.50 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)		LAND TREATMENT	
Weighted E =		A = 0%	
		B = 10%	
Sub-basin Volume of Runoff (see formula above)		C = 10%	
V <sub>360</sub> =		D = 80%	
Sub-basin Peak Discharge Rate: (see formula above)			
Q <sub>P</sub> =			
BASIN NO.	A-3	DESCRIPTION	Portion To Sage Road
Area of basin flows =	59573	SF	= 1.37 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)		LAND TREATMENT	
Weighted E =		A = 0%	
		B = 10%	
Sub-basin Volume of Runoff (see formula above)		C = 10%	
V <sub>360</sub> =		D = 80%	
Sub-basin Peak Discharge Rate: (see formula above)			
Q <sub>P</sub> =			
BASIN NO.	A-4	DESCRIPTION	Portion To Sage Road
Area of basin flows =	29253	SF	= 0.67 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)		LAND TREATMENT	
Weighted E =		A = 0%	
		B = 10%	
Sub-basin Volume of Runoff (see formula above)		C = 10%	
V <sub>360</sub> =		D = 80%	
Sub-basin Peak Discharge Rate: (see formula above)			
Q <sub>P</sub> =			
BASIN NO.	A-5	DESCRIPTION	Portion To Sage Road
Area of basin flows =	21384	SF	= 0.49 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)		LAND TREATMENT	
Weighted E =		A = 0%	
		B = 10%	
Sub-basin Volume of Runoff (see formula above)		C = 10%	
V <sub>360</sub> =		D = 80%	
Sub-basin Peak Discharge Rate: (see formula above)			
Q <sub>P</sub> =			

TOTAL AREA = 4.1 Acres  
Q<sub>100</sub> = 16.4 cfs



Tract Portions  
Draining to SE Row.

BASIN NO.	A-1	DESCRIPTION	Portion To SE Drainage R.O.W.
-----------	-----	-------------	-------------------------------

Area of basin flows = 161807 SF = 3.71 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.74 in.

Sub-basin Volume of Runoff (see formula above)

$V_{360}$  = 23489 CF

Sub-basin Peak Discharge Rate: (see formula above)

$Q_P$  = 14.8 cfs

#### LAND TREATMENT

A = 0%

B = 10%

C = 10%

D = 80%

BASIN NO.	A-2	DESCRIPTION	Portion To SE Drainage R.O.W.
-----------	-----	-------------	-------------------------------

Area of basin flows = 22280 SF = 0.51 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.74 in.

Sub-basin Volume of Runoff (see formula above)

$V_{360}$  = 3234 CF

Sub-basin Peak Discharge Rate: (see formula above)

$Q_P$  = 2.0 cfs

#### LAND TREATMENT

A = 0%

B = 10%

C = 10%

D = 80%

BASIN NO.	A-4	DESCRIPTION	Portion To SE Drainage R.O.W.
-----------	-----	-------------	-------------------------------

Area of basin flows = 18833 SF = 0.43 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.74 in.

Sub-basin Volume of Runoff (see formula above)

$V_{360}$  = 2734 CF

Sub-basin Peak Discharge Rate: (see formula above)

$Q_P$  = 1.7 cfs

#### LAND TREATMENT

A = 0%

B = 10%

C = 10%

D = 80%

BASIN NO.	A-5	DESCRIPTION	Portion To SE Drainage R.O.W.
-----------	-----	-------------	-------------------------------

Area of basin flows = 14598 SF = 0.34 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.74 in.

Sub-basin Volume of Runoff (see formula above)

$V_{360}$  = 2119 CF

Sub-basin Peak Discharge Rate: (see formula above)

$Q_P$  = 1.3 cfs

#### LAND TREATMENT

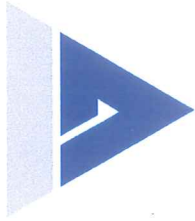
A = 0%

B = 10%

C = 10%

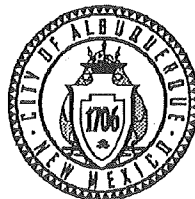
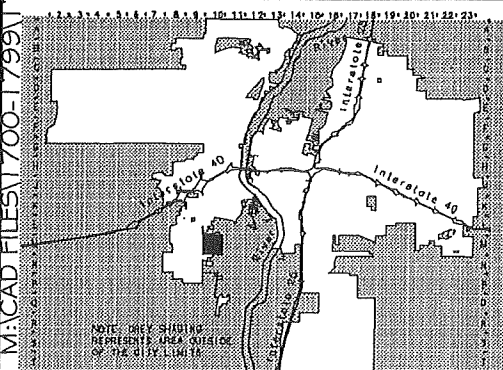
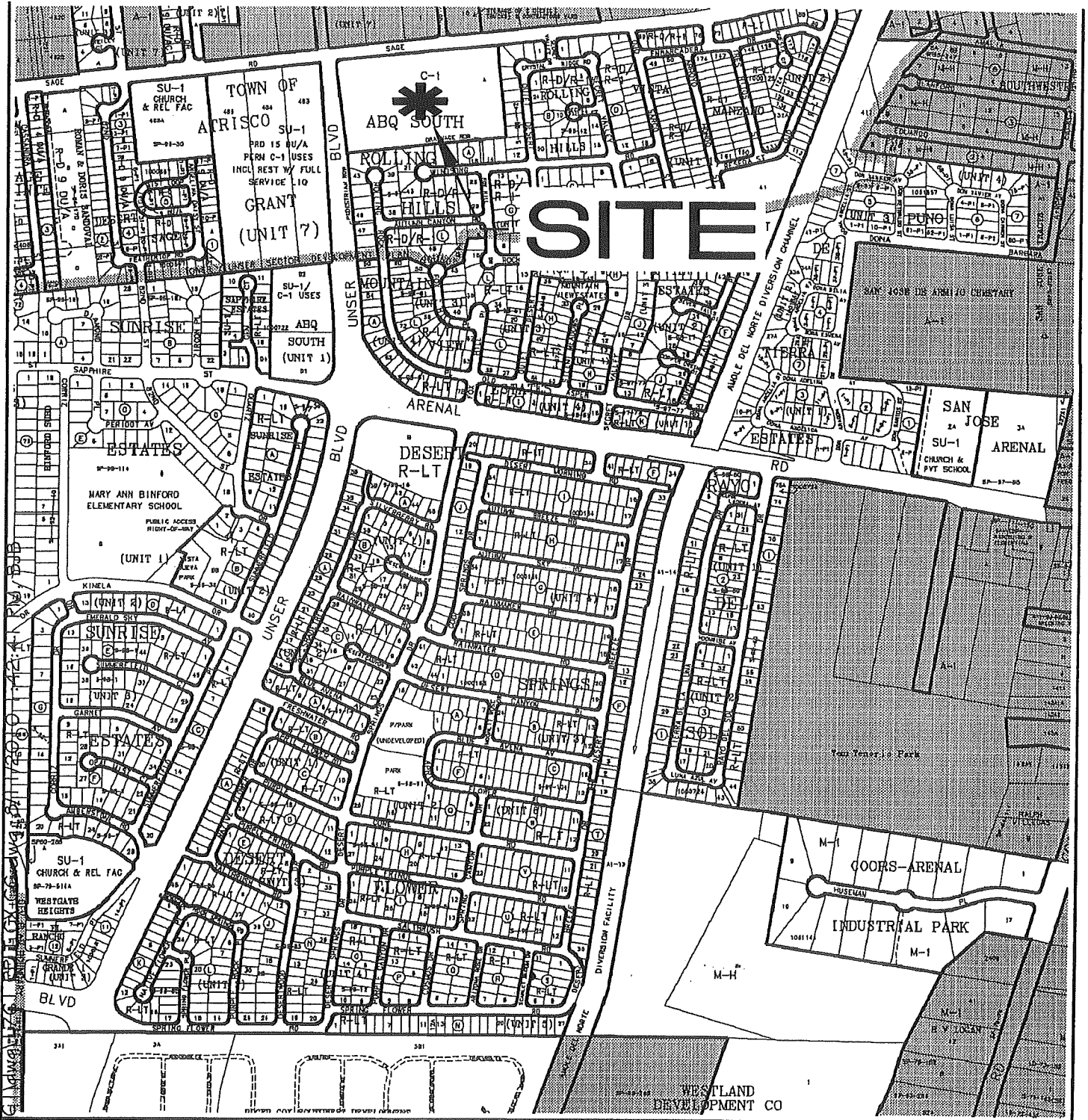
D = 80%

Total Area = 5.0 Acres  
 $Q_{100} = 19.9 \text{ cfs}$



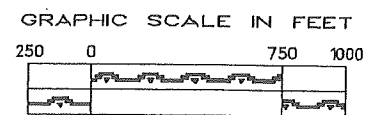
**EXHIBITS**

- **City of Albuquerque Vicinity Map M-10**
- **Aerial photograph of site and surrounding area**
- **Flood Plain exhibit**
- **Rolling Hills Subdivision Master Drainage Plan referencing allowable PROPERTY discharge**
- **Rolling Hills Subdivision Unit Three Plat (recorded June 20, 1997) with 15' drainage R/W granted**
- **Sage and Unser Marketplace Preliminary Plat**
- **Master Drainage Plan**



Albuquerque Geographic Information System  
PLANNING DEPARTMENT

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Zone Atlas Page

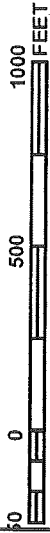
**M-10-Z**

Map Amended through February 01, 2005





MAP SCALE 1" = 500'



**NATIONAL FLOOD INSURANCE PROGRAM**

PANEL 0336G

**FIRM**  
 FLOOD INSURANCE RATE MAP  
 BERNALILLO COUNTY,  
 NEW MEXICO  
 AND INCORPORATED AREAS  
 PANEL 336 OF 825  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBUQUERQUE CITY OF	350002	0336	G
BERNALILLO COUNTY UNINCORPORATED AREAS	350001	0336	G

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown should be used on insurance applications for the subject community.

**MAP NUMBER**  
 35001C0336G  
**MAP REVISED**  
 SEPTEMBER 26, 2008

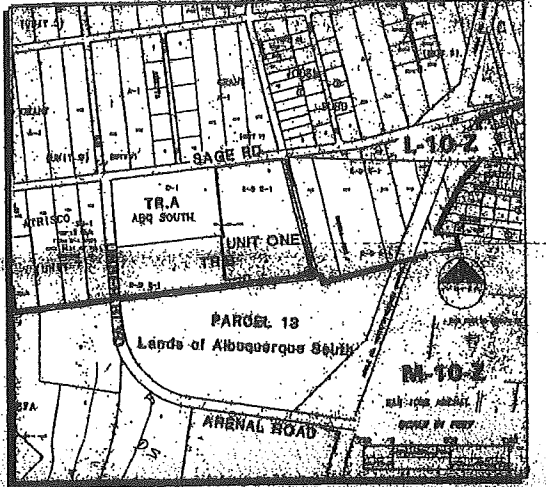
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)





MASTER DRAINAGE PLAN  
LONGFORD HOMES SUBDIVISION  
UNIT ONE THROUGH ALL FUTURE PHASES  
JANUARY 1998



AP	Q <sub>100</sub> (CFS)	OUTFALL
1	11.7	24" RCP @ S=1.5% & STREET FLOW
2	41.1	24" RCP @ S=2.2% & STREET FLOW
3	49.3	24" RCP @ S=1.5% & STREET FLOW
4	128.0	30" RCP DISCHARGES TO RUNDOWN TO AMOLF
5	30.0	24" RCP @ S=2%
6	64.3	30" RCP @ S=2.2% & STREET FLOW
7	91.8	36" RCP @ S=2.7% & STREET FLOW
8	121.8	36" RCP @ S=3.0% DISCHARGES TO RUNDOWN TO AMOLF

BASIN ID	AREA (AC)	Q <sub>100</sub> (CFS)
1A	3.31	10.7
1B	1.88	6.1
1C	2.89	8.7
1D	1.64	5.4
1E	2.28	7.4
1F	2.28	7.4
1G	1.89	6.1
1H	9.11	29.6
1I	9.11	29.6
2C	5.18	16.9
2D	3.75	12.1
2E	3.45	11.4
2F	2.39	7.7
2G	3.93	12.8
2H	4.14	13.5
2I	3.52	11.4
2J	1.88	6.1
2K	6.62	21.5
2L	2.69	8.7

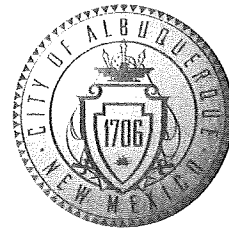
LONGFORD HOMES SUBDIVISION  
MASTER DRAINAGE PLAN



ISAACSON & ARFMAN, P.A.  
Consulting Engineering Associates  
128 Menlo Street N.E.  
Albuquerque, New Mexico

8780MSTR.DWG 1/15/98  
SHEET OF

# CITY OF ALBUQUERQUE



October 29, 2010

Fred C. Arfman, PE  
Isaacson & Arfman, PA  
128 Monroe St. NE.  
Albuquerque, NM 87108

**Re: Sage & Unser Marketplace Master Drainage Plan  
Engineer's Stamp dated 10/18/10 (M10/D019)**

Dear Mr. Arfman,

Based upon the information provided in your submittal received 10-19-10, the above referenced plan is approved for Preliminary Plat Action by DRB.

If you have any questions, you can contact me at 924-3695.

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Curtis Cherne, P.E.  
Senior Engineer, Planning Department.  
Development and Building Services

C: File  
Brad Bingham

# 1802

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 12/05)

PROJECT TITLE: Unser and Sage Marketplace ZONE MAP/DRG. FILE M10 /D019  
 DRB#: 1008203 EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract A, Unit 1-B, Lands of Albuquerque South  
 CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: ISSACSON & ARFMAN, PA CONTACT: Fred Arfman  
 ADDRESS: 128 MONROE NE PHONE: 268-8828  
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87108

OWNER: Unser Sage Partnership. CONTACT: George Reinhart  
 ADDRESS: CO 2325 San Pedro Dr. NE, Suite 2B PHONE: 884-9110  
 CITY, STATE: Albuquerque, NM ZIP CODE: 87110

ARCHITECT: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

SURVEYING FIRM: Aldrich Surveying LICENSED SURVEYOR: Tim Aldrich  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## TYPE OF SUBMITTAL:

- ☒ DRAINAGE REPORT (resubmittal)  
☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL G & D PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERT (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT  
☐ ENGINEER/ARCHITECT CERT (TCL)  
☐ ENGINEER/ARCHITECT CERT (DRB S.P.)  
☐ ENGINEER/ARCHITECT CERT (AA)  
☐ OTHER (SPECIFY) \_\_\_\_\_

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE  
☒ PRELIMINARY PLAT APPROVAL  
☐ S. DEV. PLAN FOR SUB'D APPROVAL  
☐ S. DEV. FOR BLDG. PERMIT APPROVAL  
☐ SECTOR PLAN APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ FOUNDATION PERMIT APPROVAL  
☐ BUILDING PERMIT APPROVAL  
☐ CERTIFICATE OF OCCUPANCY (PERM)  
☐ CERTIFICATE OF OCCUPANCY (TEMP)  
☐ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ WORK ORDER APPROVAL  
☐ OTHER (SPECIFY) \_\_\_\_\_

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

SUBMITTED BY: ISAACSON & ARFMAN: Fred Arfman DATE: RESUBMITTED 10.18.10  
October 12, 2010

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

