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DIAMOND SHAMROCK to the N

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Street Res / Dienond Shamock
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DRAINAGE INFORMATION SHEET

PROJECT TITLE: CORNERSTORE # 1245 ZO	ONE ATLAS/DRNG. FILE #: 1-20 /43 //
DRB #:NA EPC #:NA	WORK ORDER #:
LEGAL DESCRIPTION: SEE ATTACHED	
CITY ADDRESS: 1715 MOON ST. NE.	
ENGINEERING FIRM: GALLOWAY ROMERO & ASSOC.	CONTACT: LARRY L. PARKER
ADDRESS: 14202 E. EVANS AVENUE	PHONE: (303) 745-7448
OWNER: DIAMOND SHAMROCK	CONTACT: JIM REED
6390 THOMAS ROAD ADDRESS: BLDG 3, SUITE 326	PHONE: (602) 949-7525
SCOTTSDALE AZ 85251 ARCHITECT: GALLOWAY ROMERO & ASSOC.	CONTACT: LARRY L. PARKER
ADDRESS: 14202 E. EVANS AVENUE	PHONE: (303) 745-7448
AURORA CO 80014 SURVEYOR: RONALD A. FORSTBAUER SURVEYING CO	CONTACT: RONALD A. FORSTBAUER
ADDRESS: 1100 ALVARADO NE	PHONE: (505) 268-2112
CONTRACTOR: NOT SELECTEB	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL:	ECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER .	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING:	CERTIFICATE OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
NO .	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER (SPECIFY)
DATE SUBMITTED, ACCO, 21, 75	AUG 2 5 1995

9212 Belchaven R. Jennjer Street 299-1249

Dramond Shamrock Indian School/Moon.

Att of the Marketine

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: $\frac{1+-20/T-20}{1-20}$ DATE: $\frac{04/19/95}{1-20}$
EPC NO.: ZONE: ZONE:
SUBJECT: Diamond Shamrock
STREET ADDRESS: Indian School Road and Moon Street NE
LEGAL DESCRIPTION: Lot 3, Beleharon
LEGAL DESCRIPTION: DOI DINDINGTON
APPROVAL REQUESTED: PRELIMINARY PLAT FINAL PLAT
SITE DEVELOPMENT PLAN X BUILDING PERMIT
GRADING/PAVING PERMIT OTHER
WHO
attendance: G/en $Bates$
John Curtin C.O.A./PUID/AVd
FINDINGS:
FIRM Panel 24/30 indicates that the
site is not in a Hoodplain.
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Moon drains South to the Embudo Arroyo. Due to the close proximity to
the English Annolog From A Solano
the Empudo Arroyo, Free Discharge is allowed to Moon.
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Infill site.
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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.
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to act as hold at the west Chambridge (1) to 14.
11. 11. 10. C
DATE: DATE: DATE:
NOTE PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

LEGAL DESCRIPTION

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A Company of the first transfer of the contract of

A certain parcel of land being identified as Lot 3, as the same is shown and designated on the plat entitled "SUMMARY PLAT SHOWNG LOTS 1, 2, & 3 COMPRISING A REPLAT OF TRACT "B", BLOCK "17-A" DALE J BELLAMAH'S BELLEHAVEN ADDITION, ALBUQUERQUE, NEW MEXICO" filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 9, 1975 in Volume C10. Folio 117 and being more particularly described by metes and bounds as follows:

Beginning at a point on the southerly right—of—way line of Indian School Road NE, and the northwest corner of the parcel herein described.

Thence, \$88'51'30"E, a distance of 247.92 feet along, adjoining, and adjacent to said southerly right-of-way line of Indian School Raod NE, to a point on the westerly right-of-way line of Moon Street NE and the northeast corner of the parcel herein described;

Thence, \$00.52.50°E, a distance of 150.00 feet along, adjoing, and adjacent to said westerly right—at—way line of Moon Street NE to the southeast corner of the parcel herein described;

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Thence, N88'51'30"W, a distance of 253.21 feet the southwest corner of the parcel herein described.

Thence, NO1'08'30"E, a distance of 149,91 feet to the northwest corner and point of beginning of the parcel herein described and containing 0.8623 acres (37,561 square feet) more or less.

Galloway, Romero & Associates

Design Engineering Planning

14202 East Evans Avenue Aurora, Colorado 80014 (303) 745-7448 FAX: (303) 745-7480

August 22, 1995

Mr. David Steele Chief Building Official 600 Second Street NW Albuquerque, New Mexico 87102

Re: Plan Review Comments
Diamond Shamrock Corner Store 1245
1715 Moon Street NE
Albuquerque, New Mexico

Dear David:

In response to Building Permit Plan Review comments for the above referenced site, we would like to offer the following keyed responses:

A. Zoning / Refuse

- 1. Traffic and Refuse approvals are being sought.
- 2. The tree height requirement will be met.
- 3. There is an existing block wall along the west property line.

B. Hydrology

1. The department has been contacted and their concerns / corrections are incorporated into the resubmittal.

C. Transportation

- 1. This issue has been resolved with Mike Zamora.
- 2. The curb cut was revised.
- 3. The Indian School Road sidewalk has been widened 2' to make a 6' wide sidewalk.
- 4. The 6' wide sidewalk along Moon Street is now detached, adjacent to property line.

D. Environmental Health

1. No comments from this department.

E. Fire Marshal

1. Glenn Bates with Kevin Georges and Associates, acting on our behalf, met with J. J. Molina on June 19, 1995 and had the fire hydrants approved.

- 2. The address will meet code.
- 3. The meter is in the landscaped area well away from traveled ways.
- 4. Informational comments, no response necessary.
- 5. Informational comments, no response necessary.
- 6. Informational comments, no response necessary.
- 7. Informational comments, no response necessary.
- 8. Informational comments, no response necessary.
- 9. The exit lighting complies with NFPA 101, "Code for Safety to Life from Fire in Buildings and Structures".

F. Uniform Building Code

- 1. The doors comply with these codes. The entry doors have a cylinder lock that is open at all times. Signs stating "This Door to Remain Unlocked During Business Hours".
- 2. A note has been added to Sheets S1.4 and S3.2.
- 3. The ATM is an option and is not being installed at this site. The "Base Plan and Option Identification: Table on Sheet A1.1, option number 3 indicates this.
- 4. The handicap sign will be mounted on the building. A detail was added to Sheet SP.5.

G. UPC, UMC and NEC

- 1. A 200 gallon grease trap has been provided.
- 2. The "C" store reduced pressure principal backflow preventer has been eliminated.

We feel that all of the City's concerns have been addressed / resolved and ask that the plans be approved as resubmitted. Should you or your staff have questions or require additional information, please feel free to call me at (303) 745-7448.

Sincerely,
Galloway, Romero & Associates



Larry L. Parker

LLP/sr 9512.00/AS

cc: Jim Reed - Diamond Shamrock Glenn Bates - Kevin Georges and Associates Final Drainage Report
for
Diamond Shamrock
Indian School Road NE & Moon Street NE
Albuquerque, New Mexico

June 1995 Revised August 1995

Prepared for:

Diamond Shamrock
6390 E. Thomas Road
Building 3, Suite 326
Scottsdale, Arizona 85251
(602) 949-7525
Attn: Jim Reed

Prepared by:

Galloway, Romero & Associates 14202 E. Evans Ave. Aurora, CO 80014 (303) 745-7448

Attn: Larry L. Parker-

Abobel E. Romano

8.24.95

TABLE OF CONTENTS

		rage
I.	Introduction	1
II.	Design Criteria	1
III.	Existing Drainage	1
IV.	Developed Drainage	2
	Conclusions	3

APPENDIX A

Vicinity Map Flood Insurance Rate Map Pre-Design Conference Notes Historic and Developed Peak Discharge Calculations Curb Opening and Sidewalk Culvert Capacity Reciprocal Drainage Easement	A.1 A.2 A.3 A.4 A.5 A.6-A.10
Existing Drainage Map Developed Drainage Plan	Back pocket of this report

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I. INTRODUCTION

This report is being prepared for Diamond Shamrock, Inc., the owner/developer of the site, to fulfill the final drainage requirements of Albuquerque, New Mexico. The report analyzes offsite and onsite runoff from the minor, 10 year frequency, and major, 100 year frequency storms and routes these flows through the site.

The 0.858 acre site is part of the Northwest 1/4 of Section 17, Township 10 North, Range 4 East of the New Mexico Prime Meridian, City of Albuquerque, Bernalillo County, New Mexico. The site is bound by Indian School Road on the north, by Moon Street on the east, by a developed, C-1 zoned site on the south and by a developed, R-1 zoned site on the east. According to Flood Insurance Rate Map, Community Panel Number 350002 0024 C, with an effective date of October 14, 1983, the site does not lie in a floodplain.

The site is undeveloped, covered with weeds/native grasses and slopes downward, from northeast to southwest, at grades ranging from 1.7 to 35 percent. A minor ridge line occupying the easterly portion of the site directs the majority, approximately 90 percent, of the site's runoff to the southwesterly corner of the site. A reciprocal drainage easement abutting the south property line accepts the sites runoff. A copy of this easement is included in the reports appendix. The remaining runoff flows south/southeasterly and discharges into Moon Street. The surrounding streets and existing ridge prevent off site runoff from flowing onto the site.

II. DESIGN CRITERIA

This report is being prepared using the criteria and methodology as presented in Section 22.2, Hydrology of the "Development Process Manual" for the City of Albuquerque in cooperation with Bernalillo County, New Mexico, dated January 1993. Peak runoff for the minor and major storms (10 and 100 year frequency, respectively), excess precipitation and runoff volume was calculated using values for Precipitation Zone 3. Calculations and applicable tables and graphs are included in the appendix of this report.

III. HISTORIC DRAINAGE

As previously stated, the site is not subject to offsite flows. Historically, the existing ridge divides the site into two basins, A and B. Basin A is 0.097 acre basin along the easterly portion of the site. This basin's land coverage was considered to be entirelt treatment A. The 10 and 100 year runoff of 0.06 and 0.18 cfs, respectively, is largely unconcentrated and flows into Moon Street. Basin B is a 0.787 acre basin that consists of 85 percent treatment A and 15 percent treatment B. As well as sheetflowing towards the southwest corner of the site, a small swale along the southerly line conveys the runoff to the southwesterly corner of the site. The 10 and 100 year runoff at this point is 0.53 and 1.56 cfs, respectively. As this runoff and conveys it southerly towards the Embudo Arroyo.

IV. DEVELOPED DRAINAGE

General Concept A pre-design conference on April 19, 1995 set the generalized drainage for the site. Due to Moon Street's close proximity to the Embudo Arroyo, free discharge is allowed to Moon. It was impossible to direct the entire site's runoff to Moon Street. The historic point of discharge, the southwesterly corner of the site, is approximately 3.5 feet below the lowest point on Moon Street. Additionally, the Indian School Road curb cut and its associated 1 foot water block causes a small area to drain into Indian School Road.

Specific Details The developed site is divided into 3 basins, A through C. Basin A is 0.200 acre basin, at the westerly side of the site, that is entirely landscaped. This basin replaces historic Basin B and represents an 75% reduction in the basin area. The 10 and 100 year runoff of 0.27 and 0.55 cfs, respectively, exits the site at the historic point of discharge, the southwest corner. The developed flows represent a 49 and 65 percent reduction of the historic 10 and 100 year flows, respectively. These flows are conveyed southerly, throughout the recprocal drainage easement, towards the Embudo Arroyo.

Basin B is a 0.116 acre basin that consists of paved and landscaped areas. This basin is formed by the 1 foot water block requirement for Indian School Road. The 10 and 100 year runoff from Basin B is 0.35 and 0.53 cfs, respectively.

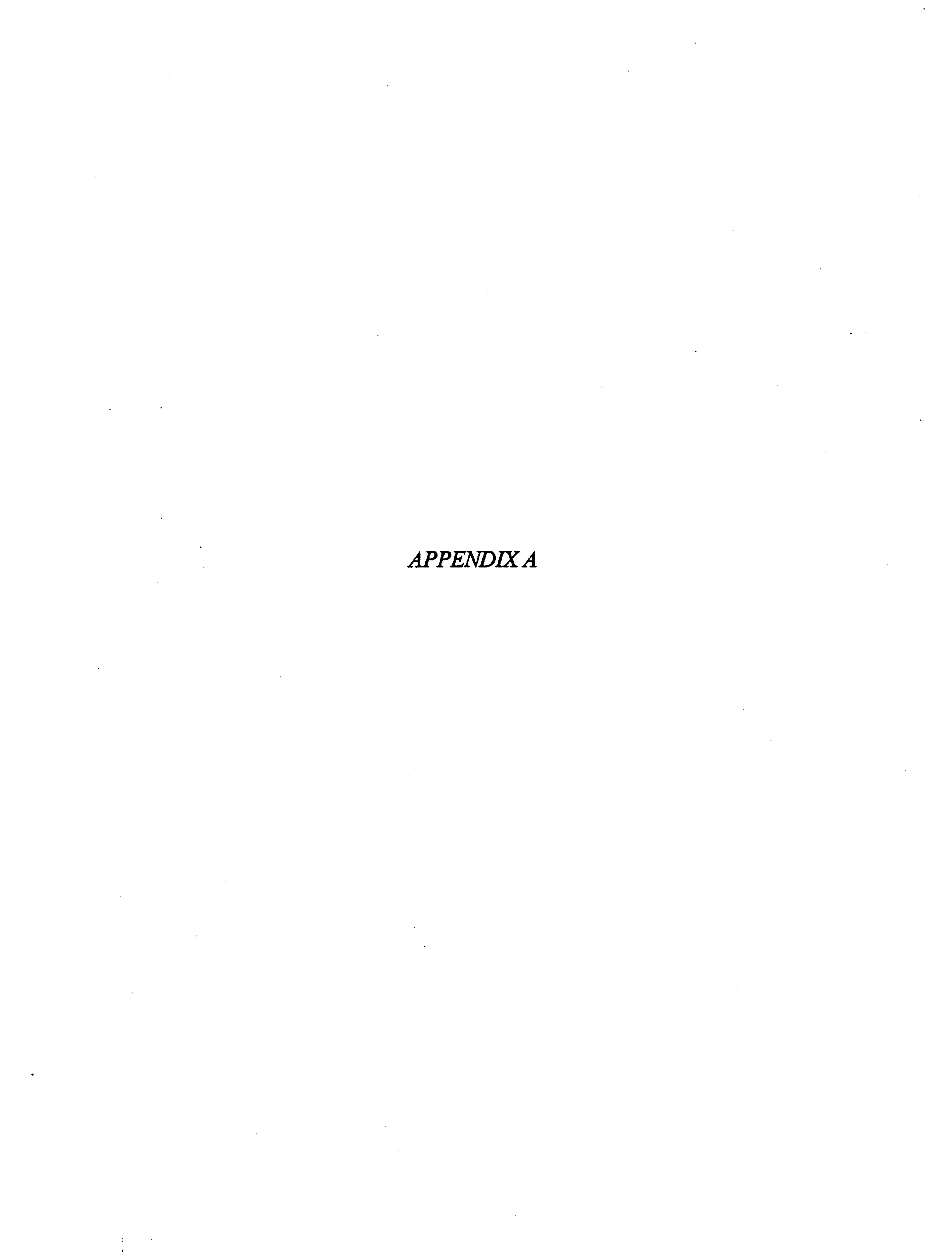
Basin C is the majority of the site and represents the portion of the site discharging into Moon Street. This basin is divided into sub-basins, C-1 and C-2. Sub-basin C-1 is a 0.497 acre basin that consists of roof, paved and landscaped areas. The 10 and 100 year runoff of 1.66 and 2.47 cfs, respectively, is collected by a 3 foot wide curb opening in the private drive. The runoff flows to a cobble rock settling basin prior to discharging onto Moon Street through a concrete channel and a sidewalk culvert.

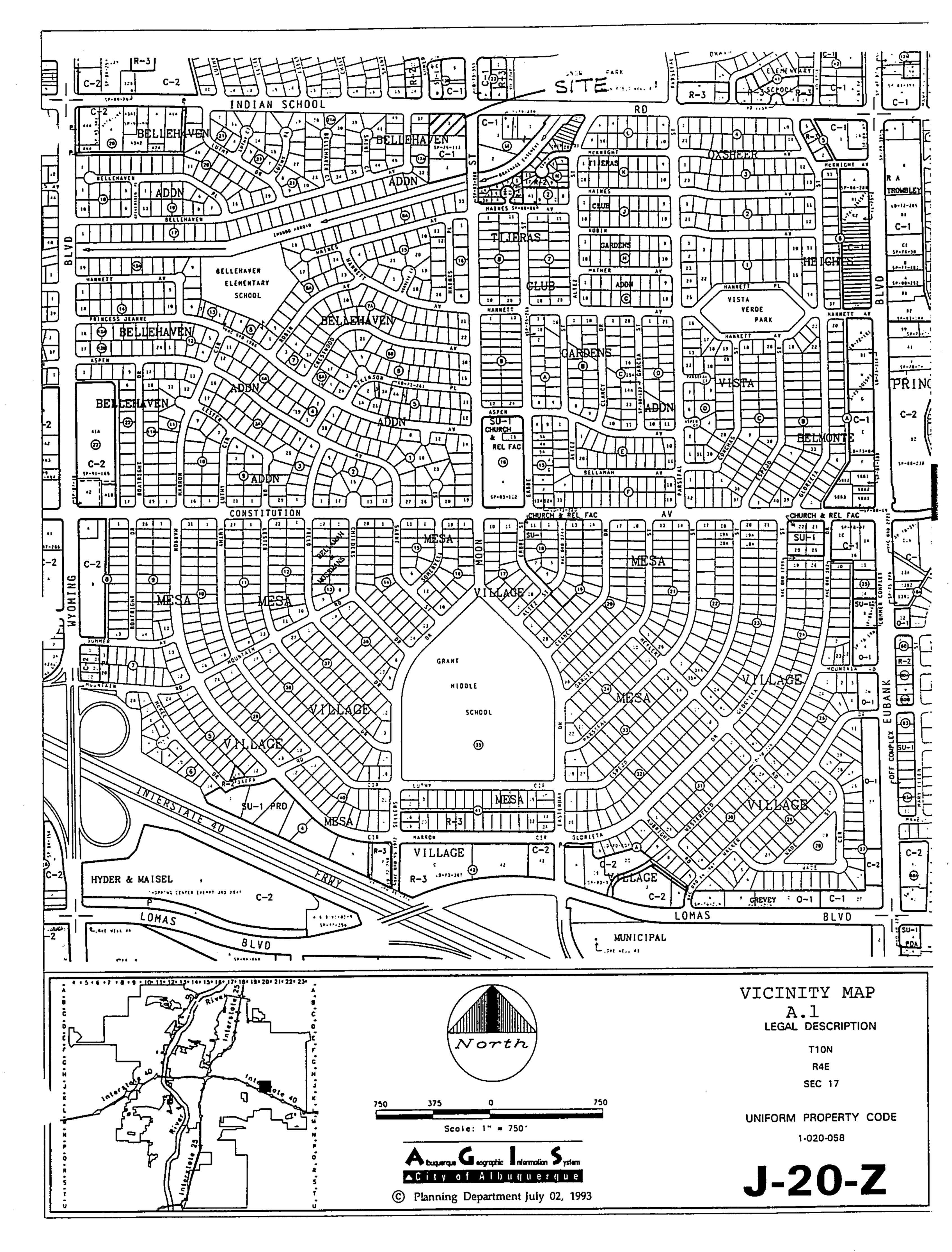
Basin C-2 is a 0.045 acre basin that is entirely landscaped. The unconcentrated 10 and 100 year ruoff of 0.06 and 0.12 cfs, respectively, sheetflows off the site into Moon Street.

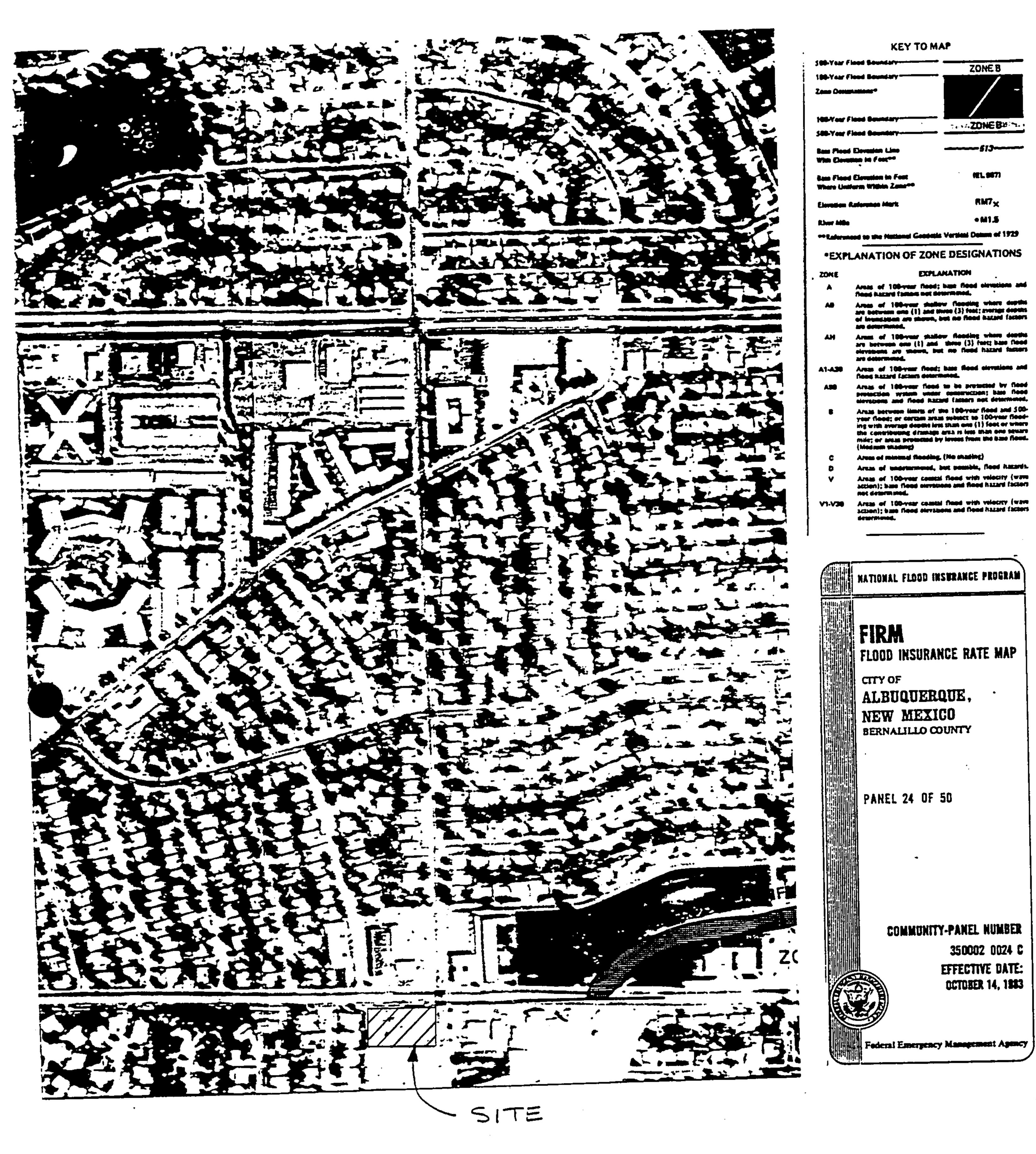
V. CONCLUSIONS

This report has been prepared using the methodology and information contained within Section 22.2 of the Development Process Manual for the City of Albuquerque in cooperation with Bernalillo County, New Mexico, dated January, 1993. Runoff from the minor/major storms is safely routed through the site and is discharged without causing potential harm to the public.

The majority of the site's runoff is discharged into Moon Street per the pre-design conference. Runoff from the weternmost basin, A, could not be directed to Moon Street due to the existing grade differential. The basin area has been substantially reduced as well as the runoff. The 10 and 100 year reduction is 49 and 65 percent, respectively, of the historic discharge.







FLOOD INSURANCE RATE MAP

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

AINAGE FILE/ZONE ATLAS PAGE NO.: $\frac{H-20/J-20}{J-20}$ DATE: $\frac{04/995}{1995}$
EPC NO.: DRB NO.: ZONE:
SUBJECT: Dlammed Shamnock
STREET ADDRESS: Indian School Road and Moon Street NE
LEGAL DESCRIPTION: Lot 3, Bellehalen
APPROVAL REQUESTED: PRELIMINARY PLAT FINAL PLAT
SITE DEVELOPMENT PLAN BUILDING PERMIT
GRADING/PAVING PERMIT OTHER
ATTENDANCE: G/en Bates REPRESENTING
John Curtin C.O. A. PWD/Hyd
FINDINGS:
FIRM Panel 24/30 indicates that the
site is not in a Hoodplain.
Mann of normal South to the Tour lands
ANDON SUBTO TO THE MAGACIAN
Moon drains South to the Embudo Arroyo, Due to the close proximity to the Embudo Arroyo, Free Discharge is allowed to Moon.
is alought to Many
10 100016
Infill site.
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
ey are based on inaccurate information. SIGNED: SIGNED: SIGNED: SIGNED: M. C.
the selection of the madely among the 11 of the 11.
TITLE: TOTOM ON LONGITUS DATE: LIFTY OF ON A.3
DATE: 14/19/19 DATE: 7/19/99

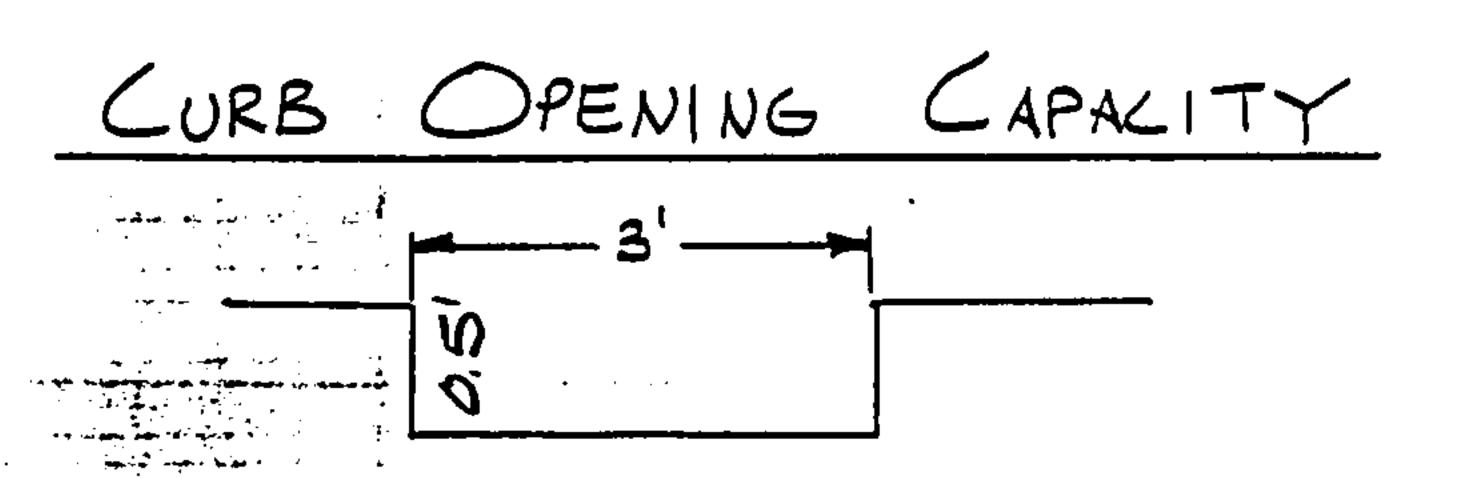
NOTE PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

HISTORIC DRAINAGE

BASIN	OVERALL	T	REATMENT			Q10	Q100
NAME	AREA AC	A	В	C	D	cfs	cfs
*****	****	****	****	****	****	***	****
A	0.097	0.097	0	0	0	0.06	0.18
В	0.787	0.669	0.118	0	. 0	0.53	1.56

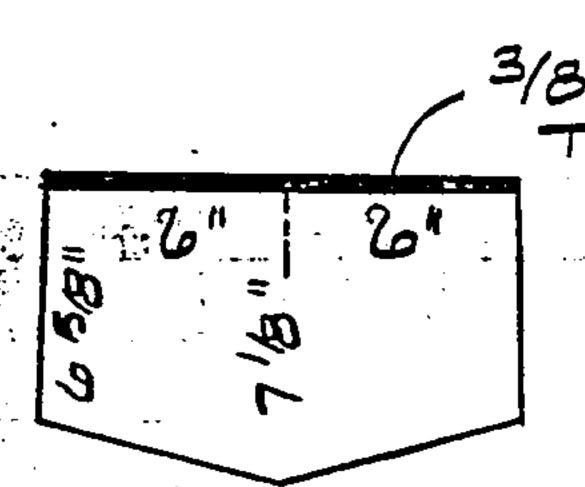
DEVELOPED DRAINAGE

BASIN NAME *****	OVERALL AREA AC	A ****	TREATMENT B *****	C +***	D *****	Q10 cfs ****	Q100 cfs *****
A	0.200	0	0.186	0	0.014	0.27	0.55
В	0.116	0	0.020	0	0.096	0.35	0.53
C-1	0.497	0	0.011	0	0.486	1.66	2.47
C-2	0.045	0	0.042	0	0.003	0.06	0.12



Q100 = 2.47 CFS QOPENING = 3.4 (0.5)3/2 (3) = 3.6 CFS OK

SIDEWALK CULVERT CAPACITY



A= 0.5729 FT Wp= 2.1076 FT N= 0.017 5= 2.08%

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 $Q_{MANNINGS} = \frac{1.486}{0.017} (0.5729) (0.5729)^{3} (0.0208)^{1/2}$ Q = 3.03 CFS > 2.62 CFS OK

RECIPROCAL DRAINAGE EASEMENT

AGREEMENT effective July 1, 1981, between BRUCE W. PARKER and JANET A. PARKER, his wife, DAVID E. STINCHCOMB and ANN LESLIE STINCHCOMB, his wife, PETER T. BEAUDETTE and PEGGY BEAUDETTE, his wife, (hereinafter "Parties of the First Part"), and PILL C. HENDERSON, a married man, KENNETH ODELL, a married man, JOE R. G. FULCHER, a married man, and PATTI BEARPAW, a single woman (hereinafter "Parties of the Second Part").

numbered One (1) and Three (3) of the Replat of Tract "B" in Block "17-A", Dale J. Bellamah's Bellehaven Addition, as the same is shown and designated on the "Summary Plat" showing Lots One (1), Two (2) and Three (3), of the Replat of Tract "B", Block "17-A", Dale J. Belleman's Bellehaven Addition to the City of Albuquerque, New Mexico, filed in the office of the County Clerk of Bernalillo County, New Mexico, on May 9, 1975; and,

WHEREAS, Parties of the Second Part are the owners of Lot.

rumbered Two (2) of the Replat of Tract "B" in Block "17-A", Dale J.

Bellamah's Bellehaven Addition, as the same is shown and designated on the "Summary Plat" showing Lots One (1), Two (2) and Three (3), of the Replat of Tract "B", Block "17-A", Dale J. Bellemah's Bellehaven Addition to the City of Albuquerque, New Mexico, filed is the office of the County Clerk of Bernalillo County, New Mexico, on May 9, 1975; and,

WHEREAS, Parties of the First Part and Parties of the Second Part find that it is to their mutual advantage to arrange for urbinage of said Lots Two (2) and Three (3) across Lot One (1) and into the grainage ditch which parallels the south boundary of Lot One (1); and,

WHEREAS, such drainage arrangements will be subject to approval of the City of Albuquerque or other governmental authorities.

NOW, THEREFORE, in consideration of the mutual agreements contained herein, it is agreed as follows:

- (1) Parties of the First Part, on behalf of themselves and their successors in interest in said Lot One (1), hereby grant to the Parties of the Second Part, and their successors in interest in Lot Two (2), the right to have drainage waters from Lot Two (2) flow across the wester end of Lot One (1) and into the drainage ditch.
- (2) Parties of the Second Part, on behalf of themselves and any successors in interest in Lot Two (2), hereby grant Parties of the First Part, and their successors in interest in Lot Three (3), the right to have drainage waters from Lot Three (3) flow across the western end of Lot Two (2) and on across Lot One (1) to the drainage ditch.
- (3) Parties of the First Part and Parties of the Second Part agree that plans for such drainage will be submitted to, and will be subject to approval from, the City of Albuquerque or other appropriate governmental authority at the time construction is started on Lot Two (2) or Lot Three (3).

IN WITNESS WHEPEOF, all of the parties hereto have executed this Agreement to be effective as of the date first shown above.

DAVID E. STINCHCOMB

	ANN LESLIE STINCHCOMB
	PETER T. BEAUDETTE
	PEGGY, BEAUDETTE
in it is the meller in	BILL C. HENDERSON
	KENNETH ODELL
1. Cocil illore.	JOE R. G. FULCHER
	PATTI BEARPAW
STATE OF NEW MEXICO COUNTY OF BERNALILLO) ss.)
onby	instrument was acknowledged before me
	Notary Public:
My commission expires:	REDECCA VOSHIMOTO NOTACY PUBLIC - NEW MEXICO SOVALY COLD FILED WITH SECRETARY OF STATE Lay Commission Expires

STA	TE OF NEW MEXICO)) ss.	
COU	NTY OF BERNALILLO)	
	The foregoing	instrument w	as acknowledged before me
on			, 19,
tу		1	•
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			Notary Public
My	commission expires:		
			OFFICIAL SEAL
•			NOTARY PUBLIC - NEW MEXICO
STA	ATE OF NEW MEXICO)) \$5.	My Commission Expires
COI	UNTY OF BERNALILLO)	
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on			. 19
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			. Durblic
			Notary Public
Му	commission expires:		OFFICIAL SEAL
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•	· · · · · · · · · · · · · · · · · · ·		NOTARY PUBLIC - NEW MEXICO
	PATE OF NEW MEXICO) ss.	iny Commission Expires
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O I			, 19 <u>81</u> ,
by	PETER T. BEAUDETT	E and PEGGY	REAUDETTE, his wife.
			11111 (Curtility)
			Notary Public
M	y commission expires	:	
-	wa-ah 3 1985	, 	

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	STATE OF NEW MEXICO)) ss.
_	COUNTY OF BERNALILLO)
•	The foregoing instrument was acknowledged before me
	On September 9 , 1981,
	by BRUCE W. PARKER and JANET A. PARKER, his wife.
•	
•	Notary Fublic
	My commission expires:
• ,	March 3, 1985
	OF NEWTOO
	STATE OF NEW MEXICO)) ss.
	COUNTY OF BERNALILLO)
•	The foregoing instrument was acknowledged before me
•	on <u>September 9.</u> , 19 _{.81} ,
-	by DAVID E. STINCHCOMB and LESLIE ANN STINCHCOMB, his wife.
	Notary Public
	My commission expires:
	March 3, 1985
•	
	STATE OF NEW MEXICO)) ss.
	COUNTY OF BERNALILLO)
•	The foregoing instrument was acknowledged before me
	on, 19,
	by•
	Notary Public
•	My commission expires:
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on		,		
by	•			
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DRAINAGE INFORMATION SHEET

DIAMOND SHAMROCK PROJECT TITLE: CORNERSTORE # 1245	ZONE ATLAS/DRNG. FILE #: 1-20-21031
DRB #: EPC #: EPC #: EPC #: SEE ATTACHED	
CITY ADDRESS: SW CORNER INDIAN SCHOOL 1715 MOON ST. NE ENGINEERING FIRM: GALLOWAY ROMERO & ASSOC	CONTACT: LARRY L. PARKER
7 4 4 4 4 4 5 TO	PHONE: (303) 745-7448
AURORA CO. 80014	CONTACT: JIM REED
OWNER: DIAMOND SHAMROCK 6390 THOMAS ROAD ADDRESS: BLDG 3, SUITE 326	PHONE: (602) 949-7525
SCOTTSDALE AZ 85251 ARCHITECT: GALLOWAY ROMERO & ASSOC.	CONTACT: LARRY L. PARKER
ADDRESS: 14202 E. EVANS AVENUE	PHONE: (303) 745-7448
AURORA CO 80014 SURVEYOR: RONALD A. FORSTBAUER SURVEYING	CO. CONTACT: RONALD A. FORSTBAUER
ADDRESS: 1100 ALVARADO NE	PHONE: (505) 268-2112
CONTRACTOR: NOT SELECTED	CONTACT:
ADDRESS:	PHONE:
DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OF ESSION OTHER PRE-DESIGN MEETING: YES NO COPY PROVIDED IN REPORT APPENDIX	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 OTHER (SPECIFY)
DATE SUBMITTED: 0626/95 BY: 0626/95 2-5-5-4975	JUN 2 7 1995

LEGAL DESCRIPTION

. A certain parcel of land being identified as Lot 3, as the same is shown and designated on the plat entitled "SUMMARY PLAT SHOWNG LOTS 1, 2, & 3 COMPRISING A REPLAT OF TRACT "B", BLOCK "17-A" DALE J. BELLAMAH'S BELLEHAVEN ADDITION, ALBUQUERQUE, NEW MEXICO" filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 9, 1975 in Volume C10, Folio 117 and being more particularly described by metes and bounds as follows:

Beginning at a point on the southerly right—of—way line of Indian School Road NE,

and the northwest corner of the parcel herein described;

Thence, S88°51'30"E, a distance of 247.92 feet along, adjoining, and adjacent to said southerly right—of—way line of Indian School Raod NE, to a point on the westerly right—of—way line of Moon Street NE and the northeast corner of the parcel herein described;

Thence, 500°52′50″E, a distance of 150.00 feet along, adjoing, and adjacent to said westerly right-of-way line of Moon Street NE to the southeast corner of the parcel herein described;

Thence, N88°51'30"W, a distance of 253.21 feet the southwest corner of the parcel herein described;

Thence, NO1°08'30"E, a distance of 149.91 feet to the northwest corner and point of beginning of the parcel herein described and containing 0.8623 acres (37,561 square feet) more or less.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 25, 1995

Larry Parker Galloway Romero & Associates 14202 E. Evans Avenue Aurora, CO 80014

RE: DIAMOND SHAMROCK STORE #1245 (J20-D31) DRAINAGE REPORT AND PLAN FOR BUILDING PERMIT APPROVAL. ENGINEER'S STAMP DATED 8-24-95.

Dear Mr. Parker:

Based on the information provided on your August 25, 1995 submittal the above referenced project is approved for Building Permit.

Prior to Certificate of Occupancy Approval, an Engineer's Certification for the approved plans is required. Refer to the checklist in the DPM for instructions.

If I can be of further assistance, please feel free to contact me at 768-3622.

Singerely,

Lisa Ann Manwill

Engineering Assoc./Hyd.

C: Andrew Garcia File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: CORNERSTORE # 1245 ZOI	TE ATLAS/DRNG. FILE #: \(\)\[\]\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
DRB #: EPC #:	WORK ORDER #:
LEGAL DESCRIPTION: SEE ATTACHED	
CITY ADDRESS: 17/5 MOON ST NE	
ENGINEERING FIRM: GALLOWAY, ROMERO & ASSOC.	CONTACT: LARRY L. PARKER
ADDRESS: 14202 E. EVANS AVE. AORORA CO. 80014	PHONE: (303) 745-7448
OWNER: DIAMOND SHAMROCK MARKETING & REFINING	CONTACT: DAN LAMB
ADDRESS: 520 E. 56th AVENUE DENVER, CO 80216	PHONE: (303) 297-9777
ARCHITECT: GALLOWAY, ROMERO & ASSOC.	CONTACT: LARRY L. PARKER
ADDRESS: 14202 E. EVANS AVENUE	PHONE: (303) 745-7448
AURORA CO. 80014 SURVEYOR: RONALD A. FORSTBAUER SURVEYING CO	CONTACT: RONALD A. FORSTBAUER
ADDRESS: 1100 ALVARODO NE	PHONE: (505) 268-2112
ALBUQUERQUE NM 87110	CONTACT: RICK HANNA
ADDRESS: NOSTIN TX 78756	PHONE: (5/2) 453-03/3
TYPE OF SUBMITTAL:	CK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSION CONTROL PLAN	_ SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING:	CERTIFICATE OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER (SPECIFY)
DEC 1 9 1905	
DATE SUBMITTED:	

BY:



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 25, 1995

Larry Parker
Galloway Romero & Associates
14202 E. Evans Avenue |
Aurora, CO 80014

RE: DIAMOND SHAMROCK STORE #1245 (J20-D31) DRAINAGE REPORT AND PLAN FOR BUILDING PERMIT APPROVAL. ENGINEER'S STAMP DATED 8-24-95.

Dear Mr. Parker:

Based on the information provided on your August 25, 1995 submittal the above referenced project is approved for Building Permit.

Prior to Certificate of Occupancy Approval, an Engineer's Certification for the approved plans is required. Refer to the checklist in the DPM for instructions.

If I can be of further assistance, please feel free to contact me at 768-3622.

Singerely

Lisa Ann Manwill

Engineering Assoc./Hyd.

c: Andrew Garcia

1715 MOON ST NE

LEGAL DESCRIPTION

A certain parcel of land being identified as Lot 3, as the same is shown and designated on the plat entitled "SUMMARY PLAT SHOWING LOTS 1, 2, & 3 COMPRISING A REPLAT OF TRACT "B", BLOCK "17—A" DALE J. BELLAMAH'S BELLEHAVEN ADDITION, ALBUQUERQUE, NEW MEXICO" filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 9, 1975 in Volume C10, Folio 117 and being more particularly described by metes and bounds as follows:

Beginning at a point on the southerly right—of—way line of Indian School Road NE, and the northwest corner of the parcel herein described;

Thence, S88°51'30"E, a distance of 247.92 feet along, adjoining, and adjacent to said southerly right—of—way line of Indian School Raad NE, to a point on the westerly right—of—way line of Moon Street NE and the northeast corner of the parcel herein described;

Thence, S00°52°50°E, a distance of 150.00 feet along, adjoing, and adjacent to said westerly right—of—way line of Moon Street NE to the southeast corner of the parcel herein described;

Thence, N88°51'30"W, a distance of 253.21 feet the southwest corner of the parcel herein described;

Thence, NO1708'30"E, a distance of 149.91 feet to the northwest corner and point of beginning of the parcel herein described and containing 0.8623 acres (37,561 square feet) more or less.

PUBLIC WORKS DEPARTMENT UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: H-20/T-20 D	ATE: 04/19/95	}
EPC NO.: DRB NO.:	ZONE:	
SUBJECT: Dlamond Shammak		
STREET ADDRESS: Indian School Road and Mod	M Shart NE	
LEGAL DESCRIPTION: Lot 3, Belehouse		
APPROVAL REQUESTED: PRELIMINARY PLAT	FINAL PLAT	•
SITE DEVELOPMENT PLAN	BUILDING PERMIT	
GRADING/PAVING PERMIT	OTHER	
GIGIDING I DIGITI		
ATTENDANCE: G/en Bates	REPRESENTING	
ATTENDANCE: 12/e// 2/ 45		
	1 /1/1/20///	 .
John Curtin C.O.	-4/FHIII	<u> </u>
		•
FINDINGS: FIRM Panel 24/30 indicate	+4-7	4/10
site is not in a Hoodpl		
		
Mann Insine South	+ho I mil	7 1/1/07
Moon drains south to Arroyo, Due to the close	A har many	
The Embudo Arroyo, Free		
is allowed to Mon		
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Infi// 5/7e.	· · · · · · · · · · · · · · · · · · ·	
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The undersigned agrees that the above findings are summar	ized accurately and a	re only
subject to change if further investigation reveals that they are based on inaccurate information.	hey are not reasonable	
SIGNED: SIGNED: SIGNED:	M Canton	
to and of the total of the week.	Horons	
11111. <u>121/2/10/2011 </u>	1995	 ∤.
DATE: DATE:	- tt/	

NOTE PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 19, 1995

Larry Parker
Galloway Romero & Associates
14202 E. Evans Avenue
Aurora, CO 80014

RE: DIAMOND SHAMROCK STORE #1245 (J20-D31) ENGINEER'S CERTIFICATION FOR CERTIFICATE OF OCCUPANCY APPROVAL. ENGINEER'S CERTIFICATION DATED 12-18-95.

Dear Mr. Parker:

Based on the information provided on your December 19, 1995 submittal the above referenced project is approved for Certificate of Occupancy.

If I can be of further assistance, please feel free to contact me at 768-3622.

Sincerely,

Lisa Ann Manwill

Engineering Assoc./Hyd.

c: Andrew Garcia
File

Final Drainage Report
for
Diamond Shamrock
Indian School Road NE & Moon Street NE
Albuquerque, New Mexico

June 1995 Revised August 1995

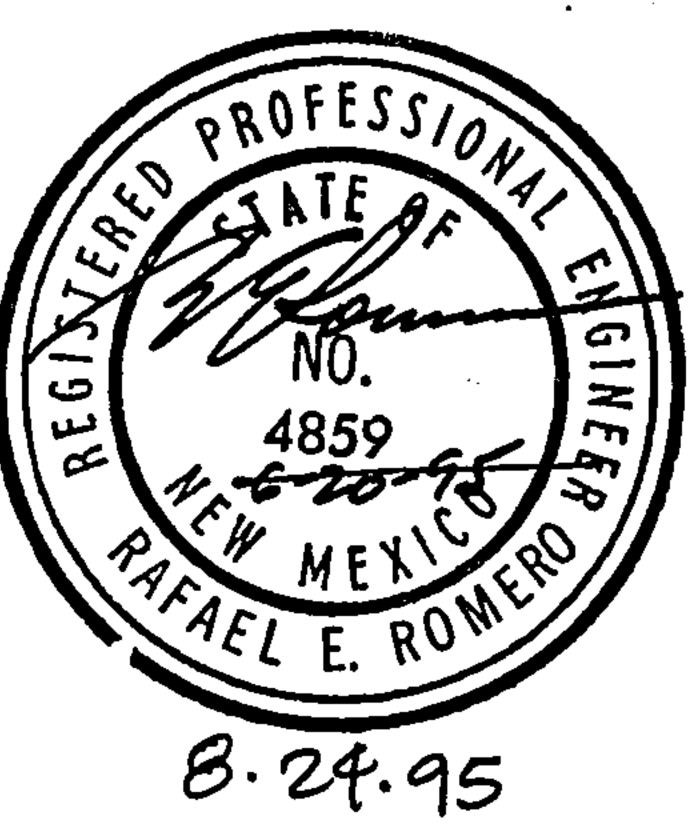
Prepared for:

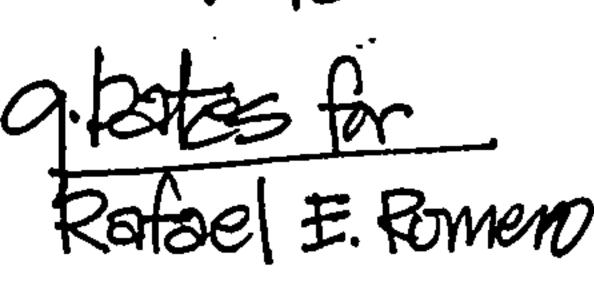
Diamond Shamrock
6390 E. Thomas Road
Building 3, Suite 326
Scottsdale, Arizona 85251
(602) 949-7525
Attn: Jim Reed

Prepared by:

Galloway, Romero & Associates 14202 E. Evans Ave. Aurora, CO 80014 (303) 745-7448

Attn: Larry L. Parker





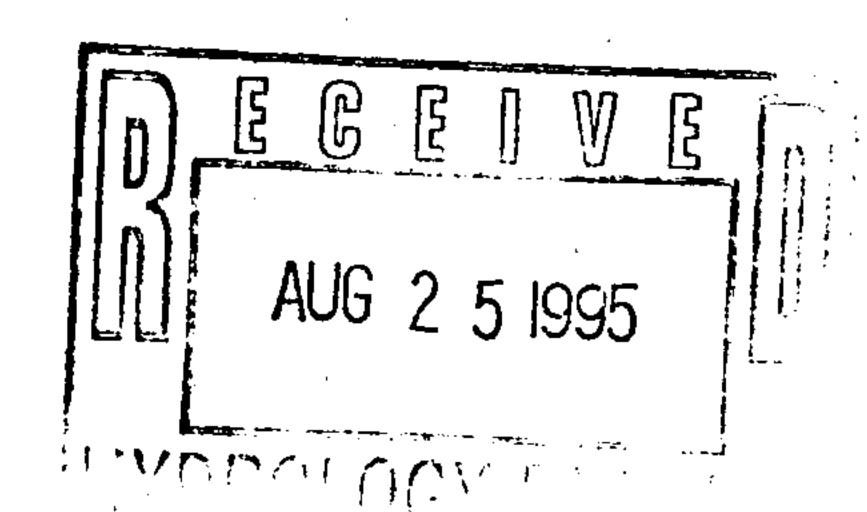


TABLE OF CONTENTS

		Page
I.	Introduction	1
II.	Design Criteria	1
III.	Existing Drainage	1
IV.	Developed Drainage	2
	Conclusions	3

APPENDIX A

Vicinity Map `	A.1
Flood Insurance Rate Map	A.2
Pre-Design Conference Notes	A.3
Historic and Developed Peak Discharge Calculations	A.4
Curb Opening and Sidewalk Culvert Capacity	A.5
Reciprocal Drainage Easement	. A.6-A.10
Existing Drainage Map	Back pocket of
Developed Drainage Plan	this report

I. INTRODUCTION

This report is being prepared for Diamond Shamrock, Inc., the owner/developer of the site, to fulfill the final drainage requirements of Albuquerque, New Mexico. The report analyzes offsite and onsite runoff from the minor, 10 year frequency, and major, 100 year frequency storms and routes these flows through the site.

The 0.858 acre site is part of the Northwest 1/4 of Section 17, Township 10 North, Range 4 East of the New Mexico Prime Meridian, City of Albuquerque, Bernalillo County, New Mexico. The site is bound by Indian School Road on the north, by Moon Street on the east, by a developed, C-1 zoned site on the south and by a developed, R-1 zoned site on the east. According to Flood Insurance Rate Map, Community Panel Number 350002 0024 C, with an effective date of October 14, 1983, the site does not lie in a floodplain.

The site is undeveloped, covered with weeds/native grasses and slopes downward, from northeast to southwest, at grades ranging from 1.7 to 35 percent. A minor ridge line occupying the easterly portion of the site directs the majority, approximately 90 percent, of the site's runoff to the southwesterly corner of the site. A reciprocal drainage easement abutting the south property line accepts the sites runoff. A copy of this easement is included in the reports appendix. The remaining runoff flows south/southeasterly and discharges into Moon Street. The surrounding streets and existing ridge prevent off site runoff from flowing onto the site.

II. DESIGN CRITERIA

This report is being prepared using the criteria and methodology as presented in Section 22.2, Hydrology of the "Development Process Manual" for the City of Albuquerque in cooperation with Bernalillo County, New Mexico, dated January 1993. Peak runoff for the minor and major storms (10 and 100 year frequency, respectively), excess precipitation and runoff volume was calculated using values for Precipitation Zone 3. Calculations and applicable tables and graphs are included in the appendix of this report.

III. HISTORIC DRAINAGE

As previously stated, the site is not subject to offsite flows. Historically, the existing ridge divides the site into two basins, A and B. Basin A is 0.097 acre basin along the easterly portion of the site. This basin's land coverage was considered to be entirelt treatment A. The 10 and 100 year runoff of 0.06 and 0.18 cfs, respectively, is largely unconcentrated and flows into Moon Street. Basin B is a 0.787 acre basin that consists of 85 percent treatment A and 15 percent treatment B. As well as sheetflowing towards the southwest corner of the site, a small swale along the southerly line conveys the runoff to the southwesterly corner of the site. The 10 and 100 year runoff at this point is 0.53 and 1.56 cfs, respectively. As this runoff and conveys it southerly towards the Embudo Arroyo.

IV. DEVELOPED DRAINAGE

General Concept A pre-design conference on April 19, 1995 set the generalized drainage for the site. Due to Moon Street's close proximity to the Embudo Arroyo, free discharge is allowed to Moon. It was impossible to direct the entire site's runoff to Moon Street. The historic point of discharge, the southwesterly corner of the site, is approximately 3.5 feet below the lowest point on Moon Street. Additionally, the Indian School Road curb cut and its associated 1 foot water block causes a small area to drain into Indian School Road.

Specific Details The developed site is divided into 3 basins, A through C. Basin A is 0.200 acre basin, at the westerly side of the site, that is entirely landscaped. This basin replaces historic Basin B and represents an 75% reduction in the basin area. The 10 and 100 year runoff of 0.27 and 0.55 cfs, respectively, exits the site at the historic point of discharge, the southwest corner. The developed flows represent a 49 and 65 percent reduction of the historic 10 and 100 year flows, respectively. These flows are conveyed southerly, throughout the recprocal drainage easement, towards the Embudo Arroyo.

Basin B is a 0.116 acre basin that consists of paved and landscaped areas. This basin is formed by the 1 foot water block requirement for Indian School Road. The 10 and 100 year runoff from Basin B is 0.35 and 0.53 cfs, respectively.

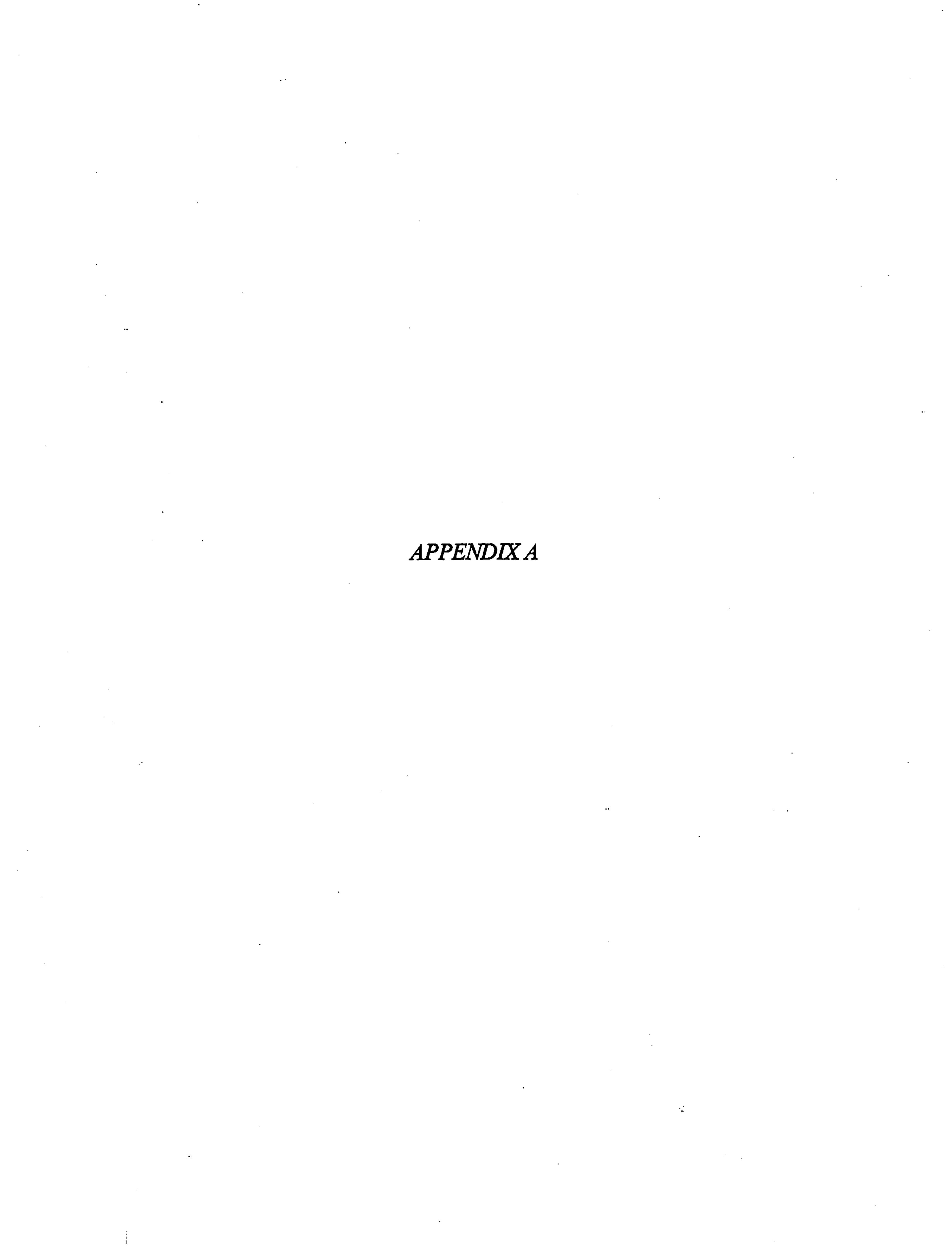
Basin C is the majority of the site and represents the portion of the site discharging into Moon Street. This basin is divided into sub-basins, C-1 and C-2. Sub-basin C-1 is a 0.497 acre basin that consists of roof, paved and landscaped areas. The 10 and 100 year runoff of 1.66 and 2.47 cfs, respectively, is collected by a 3 foot wide curb opening in the private drive. The runoff flows to a cobble rock settling basin prior to discharging onto Moon Street through a concrete channel and a sidewalk culvert.

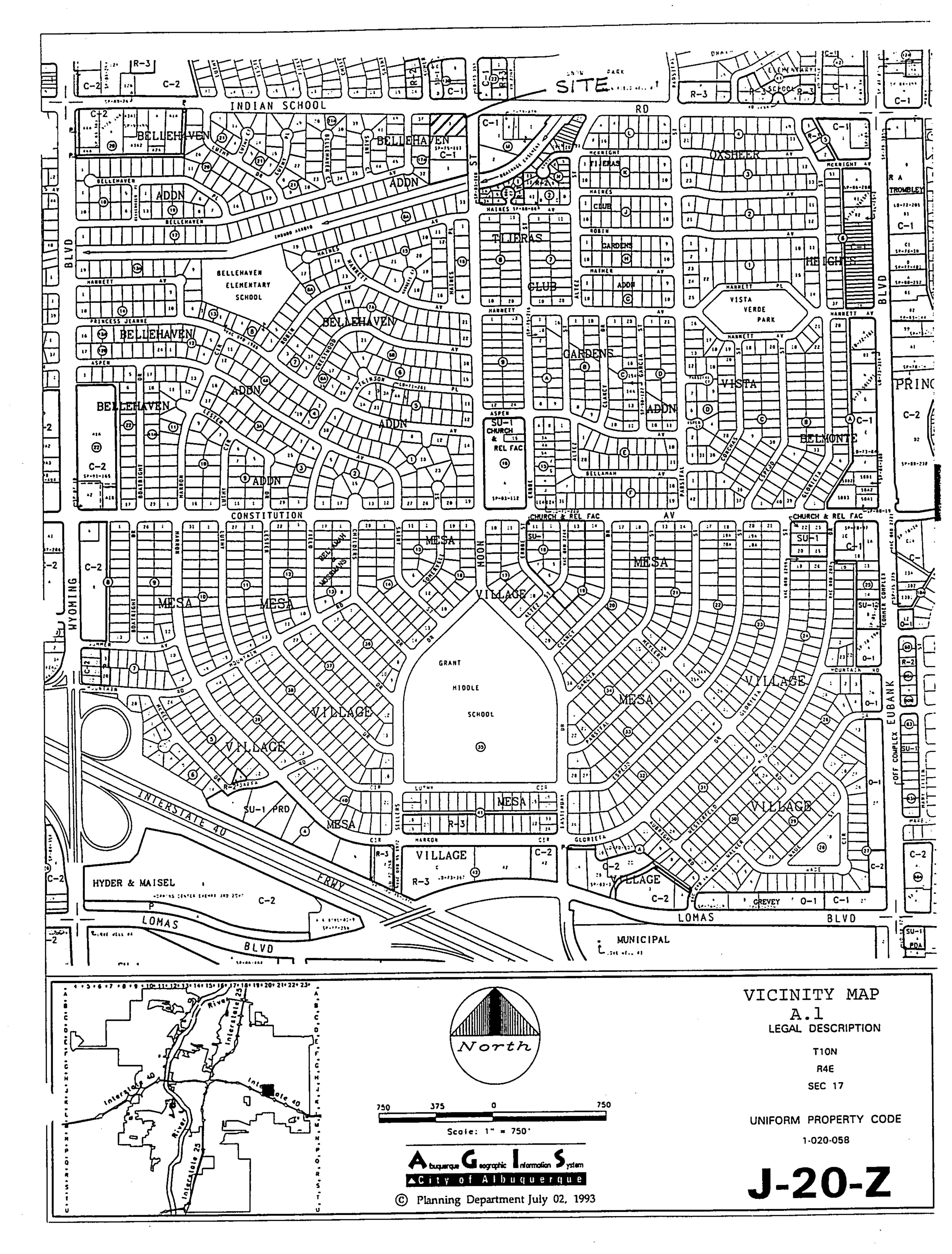
Basin C-2 is a 0.045 acre basin that is entirely landscaped. The unconcentrated 10 and 100 year ruoff of 0.06 and 0.12 cfs, respectively, sheetflows off the site into Moon Street.

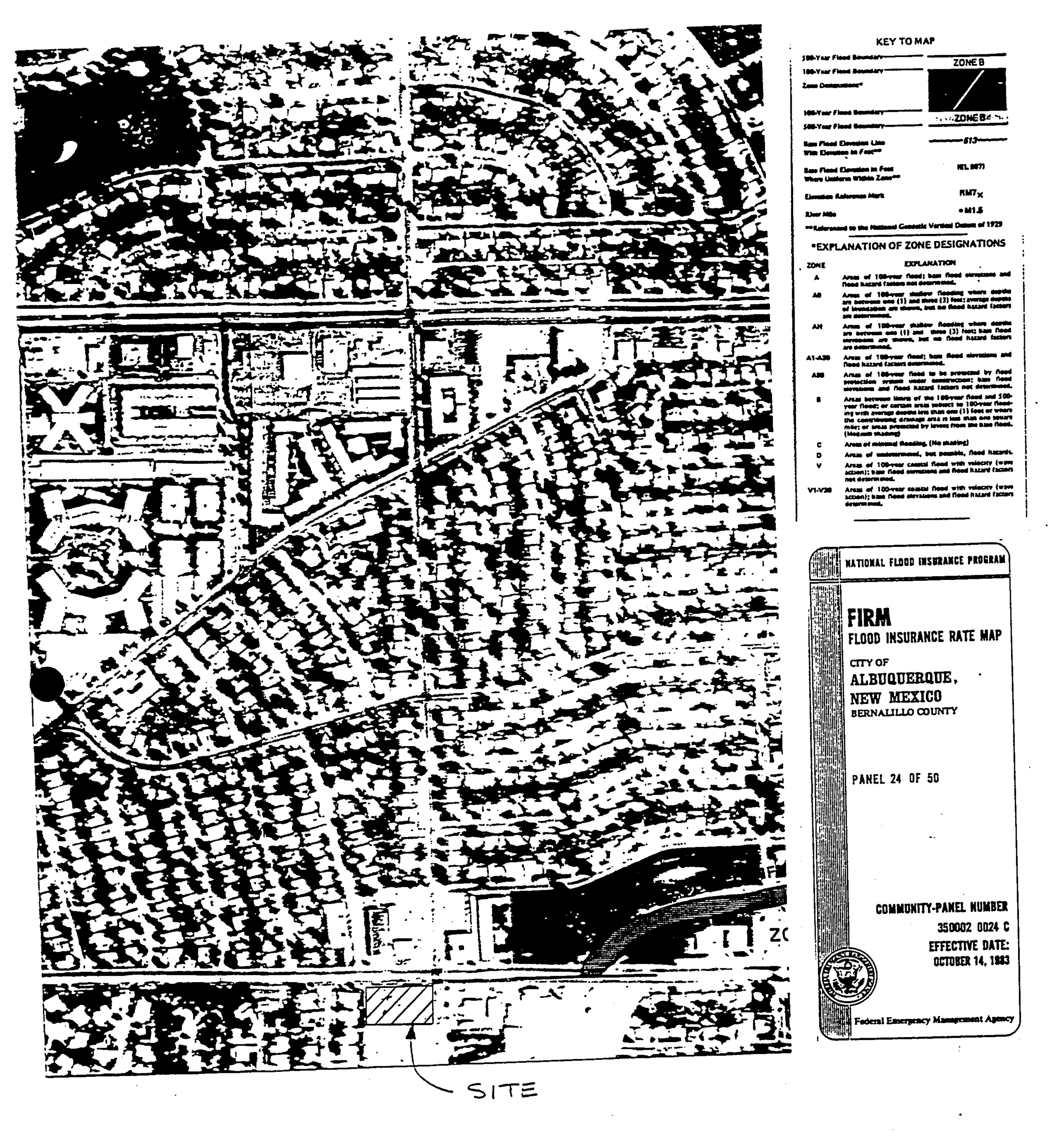
V. CONCLUSIONS

This report has been prepared using the methodology and information contained within Section 22.2 of the Development Process Manual for the City of Albuquerque in cooperation with Bernalillo County, New Mexico, dated January, 1993. Runoff from the minor/major storms is safely routed through the site and is discharged without causing potential harm to the public.

The majority of the site's runoff is discharged into Moon Street per the pre-design conference. Runoff from the weternmost basin, A, could not be directed to Moon Street due to the existing grade differential. The basin area has been substantially reduced as well as the runoff. The 10 and 100 year reduction is 49 and 65 percent, respectively, of the historic discharge.







FLOOD INSURANCE RATE MAP

PUBLIC WORKS DEPARTMENT UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

AINAGE FILE/ZONE ATLAS PAGE NO.: H-20/J-20 DATE	: 04/19/95
EPC NO.: DRB NO.:	ZONE:
SUBJECT: Dlamond Shamnock	
STREET ADDRESS: Majon School Road and Moon	Straot NF
LEGAL DESCRIPTION: LOT 2/ BEICHONE	
	•
APPROVAL REQUESTED: PRELIMINARY PLAT	FINAL PLAT
SITE DEVELOPMENT PLAN	BUILDING PERMIT
GRADING/PAVING PERMIT	OTHER
• • • • • • • • • • • • • • • • • • •	
	REPRESENTING
ATTENDANCE: G/en Bates	
John Curtin C.O.A	1/
•	
FINDINGS: FIRM Panel 24/30 indicates	+4-4-4
site is not in a Floodplay	<u>A.</u> .
<u> </u>	
Moon drains South to Arroyo, Due to the close	the Fuhado
Arrova Due to the close	10x/m/fir +0
the Embudo Arroyo, Free 2	15/2n/2
is allowed to Moon.	
13 a/1000 Ca / 1000/20	
7 11 6 14 -	
Infill 5/te.	
	•
The undersigned agrees that the above findings are summarized	i accurately and are only
subject to change if further investigation reveals that they	are not reasonable or that
	1 Pantin
SIGNED: SIGNED: SIGNED: A F	4. 1. 1
TITLE: TOYON MUNICIPER LA	1 y cryo gy 1 2
DATE: 04/19/99 DATE: 4/19	/// <u>/</u> ////////////////////////////////

NOTE PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

HISTORIC DRAINAGE

BASIN	OVERALL	${f T}$	REATMENT			Q10	Q100
NAME	AREA AC	A	В	C	D	cfs	cfs
****	*****	****	****	****	****	****	****
A	0.097	0.097	0	0	0	0.06	0.18
В	0.787	0.669	0.118	0	0	0.53	1.56

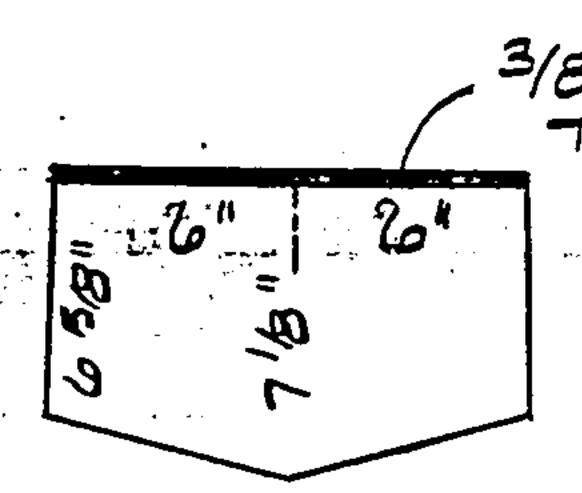
DEVELOPED DRAINAGE

BASIN NAME	OVERALL AREA AC	A *****	TREATMENT B *****	C *****	D *****	Q10 cfs *****	Q100 cfs *****	
A	0.200	0	0.186	0	0.014	0.27	0.55	
В.	0.116	0	0.020	0	0.096	0.35	0.53	
C -1	0.497	0	0.011	0	0.486	1.66	2.47	
C-2	0.045	0	0.042	0	0.003	0.06	0.12	

CURB	OPENING	CAPACITY
	3'	•
	N	

Q100=2.47 CFS QOPENING= 3.4 (0.5)3/2 (3)= 3.6 CES OK

SIDEWALK CULVERT CAPACITY



A= 0.5729 FT Wp=2.1076 FT N= 0.017 5= 2.08%

 $Q_{MANNINGS} = \frac{1.486}{0.017} (0.5729) (0.5729)^{0.5729} (0.0208)^{1/2}$ Q = 3.03 CFS > 2.62 CFS OK

RECIPROCAL DRAINAGE EASEMENT

and JAMET A. PARKER, his wife, DAVID E. STINCHCOMB and ANN LESLIE STINCHCOMB, his wife, PETER T. BEAUDETTE and PEGGY BEAUDETTE, his wife, (hereinafter "Parties of the First Part"), and PILL C. HENDERSON, a married man, KENNETH ODELL, a married man, JOE R. G. FULCHER, a married man, and PATTI BEARPAW, a single woman (hereinafter "Parties of the Second Part").

numbered One (1) and Three (3) of the Replat of Tract "B" in Block "17-A", Dale J. Bellamah's Bellehaven Addition, as the same is shown and designated on the "Summary Plat" showing Lots One (1), Two (2) and Three (3), of the Replat of Tract "B", Block "17-A", Dale J. Belleman's Bellehaven Addition to the City of Albuquerque, New Mexico, filed in the office of the County Clerk of Bernalillo County, New Mexico, on May 9, 1975; and,

WHEREAS, Parties of the Second Part are the owners of Lot rumbered Two (2) of the Replat of Tract "B" in Block "17-A", Dale J. Bellamah's Bellehaven Addition, as the same is shown and designated on the "Summary Plat" showing Lots One (1), Two (2) and Three (3), of the Replat of Tract "B", Block "17-A", Dale J. Bellemah's Bellehaven Addition to the City of Albuquerque, New Mexico, filed in the office of the County Clerk of Bernalillo County, New Mexico, on May 9, 1975; and,

WHEREAS, Parties of the First Part and Parties of the Second Part find that it is to their mutual advantage to arrange for urainage of said Lots Two (2) and Three (3) across Lot One (1) and into the orainage ditch which parallels the south boundary of Lot One (1); and,

WHEREAS, such drainage arrangements will be subject to approval of the City of Albuquerque or other governmental authorities.

NOW, THEREFORE, in consideration of the mutual agreements contained herein, it is agreed as follows:

- (1) Parties of the First Part, on behalf of themselves and their successors in interest in said Lot One (1), hereby grant to the Parties of the Second Part, and their successors in interest in Lot Two (2), the right to have drainage waters from Lot Two (2) flow across the wester end of Lot One (1) and into the drainage ditch.
- and any successors in interest in Lot Two (2), hereby grant Parties of the First Part, and their successors in interest in Lot Three (3), the right to have drainage waters from Lot Three (3) flow across the western end of Lot Two (2) and on across Lot Cne (1) to the drainage ditch.
- Part agree that plans for such drainage will be submitted to, and will be subject to approval from, the City of Albuquerque or other appropriate governmental authority at the time construction is started on Lot Two (2) or Lot Three (3).

IN WITNESS WHEPEOF, all of the parties hereto have executed this Agreement to be effective as of the date first shown above.

DAVID E. STINCHCOMB

		ANN LESLIE STINCHCOMB	
		PETER T. BEAUDETTE	
		PEGGY, BEAUDETTE	
	in the selection of the	BILL C. HENDERSON	
		KENNETH ODELL	
•	1. Collabora	JOE R. G. FULCHER	
		PATTI BEARPAW	
	STATE OF NEW MEXICO COUNTY OF BERNALILLO)))	
	onby	nstrument was acknowledged before me	
•		Notary Public:	
	My commission expires:		
		REDECCA VOSHIMOTO NOTARY PUBLIC NEW MEXICO NOTARY COLD FILED WITH SECRETARY OF STATE Loy Commission Expires	

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. ST	ATE OF NEW MEXICO)) ss.			
CO.	UNTY OF BERNALILLO)			
	The foregoing	instrument	was a	cknowledged before me	
on			·	, 19,	
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			•		• *
		•		Notary Public	
My	commission expires:				1
				OFFICIAL SEAL	.'
• • • • • • • • • • • • • • • • • • •				REBECCA YUSHIN NOTABY PUBLIC - NEW MEX	•
· S?	TATE OF NEW MEXICO)) ss.	•	My Commission Expires	STATE
C	OUNTY OF BERNALILLO)			
	The foregoing	instrument	t was	acknowledged before me	3
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				• • • • • • • • • • • • • • • • • • •	
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	•			Notary Public	
M	y commission expires:			OFFICIAL SEA	L
		_		Signatures RESECCA (OSH	IN OTO
,			•	NOTARY PUBLIC - NEW M	EXICO I SIATE
S	TATE OF NEW MEXICO) ss.		thy Commission Expires	
C	COUNTY OF BERNALILLO)			
	The fcregoine	ginstrumen	nt was	acknowledged before n	re
•	September 9		, <u></u>	, 19 <u>81</u> ,	
ì	OY PETER T. BEAUDETT	E and PEGGY	Y_REALI	DETTE, his wife.	
					-
				Notary Public	广:1777
				Notary Public	
	My commission expires	:			
	March 3. 1985				

•

•

STATE OF NEW MEXICO)	SS.
COUNTY OF BERNALILLO	
The foregoing ins	trument was acknowledged before me
on <u>September 9</u>	, 1981,
by <u>BRUCE W. PARKER and Ja</u>	ANET A PARKER, his wife.
	Notary Fublic
My commission expires:	
March 3, 1985	•
STATE OF NEW MEXICO	SS.
COUNTY OF BERNALILLO)	
The foregoing ins	strument was acknowledged before me
on <u>September 9.</u>	, 19 _{.81} ,
	nd LESLIE ANN STINCHCOMB, his wife.
	Notary Public
My commission expires:	
March 3, 1985	
STATE OF NEW MEXICO	
COUNTY OF BERNALILLO)	SS.
	strument was acknowledged before me
on	, 19,
by	
•	Notary Public
My commission expires:	•
•••••••••••••••••••••••••••••••••••••••	•

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	The foregoin	g instrument wa	as acknowledged before me	
			, 19,	
	•		•	
		•		•
			Notary Public	·
ommis	sion expires			

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City of Albuquerque

ALBUQUERQUE, NEW MEXICO 87103 P.O. BOX 1293

July 21, 1995

Larry L. Parker, PE Galloway Romero & Assoc 14202 E. Evans Avenue Aurora, CO 80014

RE:

DRAINAGE REPORT FOR DIAMOND SHAMROCK # 1245 (J-20/D31) RECEIVED JUNE 27, 1995 FOR BUILDING PERMIT **ENGINEER'S STAMP DATED 6-20-95**

Dear Mr. Parker:

Based on the information included in the submittal referenced above, City Hydrology has the following comments:

An S.O.19 will be required for the sidewalk culvert. Add the appropriate notes and signature block to Sheet SP-3.0.

Hydrology File (J-20/D6) includes a "Reciprocal Easement" that allows Lot 3 to drain across the west end of Lots 2 & 3 to reach the Embudo Arroyo. Include a copy of the recorded document in the Drainage Report. Exhibit V indicates that a 20' drainage easement was proposed 11' east of the west property line. It appears that the swale along the south property line was constructed to divert the runoff from Lot 3 to this easement. The swale should be included with the retaining wall to avoid antagonizing the neighbor. An alternative would be to discuss with the neighbor discharging that narrow strip onto his property directly.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

Andrew Garcia