CITY OF ALBUQUERQUE



Planning Department Transportation Development Services Section

February 2, 2011

Kenneth R. Hovey, Registered Architect. Ken Hovey, Architect 1606 Central Ave. SE, Ste. 101 Albuquerque, NM 87106

Re: Certification Submittal for a Permanent Building Certificate of Occupancy (C.O.)

for Highland Townhomes, [L-17 / D001B]

501 Madison Place SE

Engineer's Stamp Dated 01/31/11

Dear Mr. Hovey:

Based upon the information provided in your submittal received 02-01-11, Transportation Development has no objection to the issuance of a Permanent Certificate of Occupancy.

PO Box 1293

This letter serves as a "green tag" from Transportation Development for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at (505)924-3630.

NM 87103

www.cabq.gov

Nilo E. Salgado-Fernandez, P.E. Senior Traffic Engineer

Déveløpment and Building Services

Planning Department

c: Engineer

Sincefel

Hydrology file

CO Clerk

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005) ZONE MAP: DRB#: EPC#: WORK ORDER#: LEGAL DESCRIPTION: CITY ADDRESS: ENGINEERING FIRM: CONTACT: ADDRESS: PHONE: CITY, STATE: ZIP CODE: OWNER: CONTACT: ADDRESS: PHONE: CITY, STATE: ZIP CODE: ΛM ARCHITECT: ADDRESS: PHONE: CITY, STATE: ZIP CODE: SURVEYOR: CONTACT: ADDRESS: PHONE: CITY, STATE: ZIP CODE: CONTACT: CONTRACTOR: ADDRESS: PHONE: CITY, STATE: ZIP CODE: TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL SOUGHT: DRAINAGE REPORT SIA/FINANCIAL GUARANTEE RELEASE DRAINAGE PLAN 1st SUBMITTAL PRELIMINARY PLAT APPROVAL DRAINAGE PLAN RESUBMITTAL S. DEV. PLAN FOR SUB'D APPROVAL S. DEV. FOR BLDG. PERMIT APPROVAL CONCEPTUAL G & D PLAN SECTOR PLAN APPROVAL GRADING PLAN EROSION CONTROL PLAN FINAL PLAT APPROVAL ENGINEER'S CERT (HYDROLOGY) FOUNDATION PERMIT APPROVAL CLOMR/LOMR BUILDING PERMIT APPROVAL TRAFFIC CIRCULATION LAYOUT CERTIFICATE OF OCCUPANCY (PERM) ENGINEER'S'CERT (TCL) CERTIFICATE OF OCCUPANCY (TEMP) ENGINEER'S CERT (DRB SITE PLAN) GRADING PERMIT APPROVAL PAVING PERMITAPPROVAL OTHER (SPECIFY) WORK ORDER-APPROVAL-OTHER (SPECIFY) WAS A PRE-DESIGN CONFERENCE ATTENDED: YES COPY PROVIDED

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 defines 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.

DATE SUBMITTED:

KEN HOVEY, ARCHITECT

architecture

1606 CENTRAL AVENUE SE, SUITE 101 ALBUQUERQUE, NM 87106 B 505.242.6610 F 505.243.2129 ken_hovey@msn.com

Monday, January 31, 2011

City of Albuquerque
Transportation Department
600 Second Street NW
Albuquerque, New Mexico

Subject: Architect's TCL Certification for the Highland Townhomes.

I, Ken Hovey, prepared the Traffic Circulation Layout (TCL) for the subject project located at 501 Madison Place SE and more particularly described as Lot 5A, Block 48, Parkland Hills Addition, Albuquerque, New Mexico.

I have visited the site and performed a visual inspection of the as-built construction and I find that it is in substantial compliance with the TCL approved on 7/9/10.

I have submitted, herewith, a copy of the approved TCL with redlines showing any departure from the approved plan. The submitted plan is representative of actual site conditions and is true and correct to the best of my knowledge and belief.

The information presented on the redlined TCL is intended only to verify substantial compliance of the Traffic aspects of this project and is not necessarily complete. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

This Architect's certification is submitted in support of issuance of a Certificate of Occupancy for the subject addresses.

If you have any questions, or if further discussion is required, please don't hesitate to contact me at (505) 242-6610 or by email at ken hovey@msn.com.

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JAN 3 1 2011

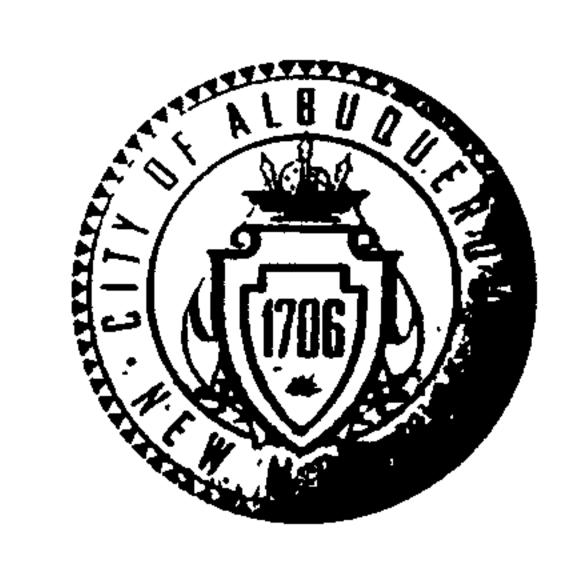
HYDECTICAL

Sincerely,

Ken Hovey

Architect & LEED AP

CITY OF ALBUQUERQUE



January 21, 2011

David Soule, P.E.

Rio Grande Engineering
P.O. Box 67305
Albuquerque, NM 87193

Re: Madison Place Townhomes, 501 Madison Pl,

Request for Permanent C.O. - Approved

Engineer's Stamp dated: 7-16-10 (L-17/D001B)

Certification dated: 1-21-11

Dear Mr. Soule,

Based upon the information provided in the Certification received 1-21-11, the above referenced Certification is approved for a release of a Permanent Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3982.

Sincerely,

Albuquerque

Timothy F. Sims

NM 87103

Plan Checker—Hydrology Section
Development and Building Services

www.cabq.gov

C: CO Clerk—Katrina Sigala

File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 01/28/2003rd)

1-17/00013.

PROJECT TITLE:	501 Madison Place	70MC 14404	
DRB#:	EPC #:		DRG. FILE #: 117-d001B
		WORK ORD	EK#.
LEGAL DESCRIPTION:	Lot 5a, bloc 48, Parkland Hills addition		
CITY ADDRESS:	512 Madison Place		
ENGINEERING FIRM:	Rio Grande Engineering	CONTACT:	David Soule, PE
ADDRESS:	PO BOX 67305	PHONE:	(505)321-9099
CITY, STATE:	Alb	ZIP CODE:	87199
~\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.			
OWNER:	James Buchanan and Rob Turner	CONTACT:	
ADDRESS:	512 Madison Place	PHONE:	
CITY, STATE:	alb	ZIP CODE:	87106
ADCHITECT:	Wan Massace	CONTACT	
ARCHITECT: ADDRESS:	Ken Hovey	CONTACT:	
	——————————————————————————————————————	PHONE:	
CITY, STATE:	· · · · · · · · · · · · · · · · · · ·	ZIP CODE:	
SURVEYOR:	Geo surv CO	CONTACT:	David Vigil
ADDRESS:		PHONE:	David Aidii
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CITY, STATE:		ZIP CODE:	
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-			
DRAINAGE REF			ACIAL GUARANTEE RELEASE
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	N RESUBMITTAL		N FOR SUB'D. APPROVAL
	GRADING & DRAINAGE PLAN		N FOR BLDG. PERMIT APPROVAL
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x NO			HYDROLOGY
COPY PROVIDE	D		SECTION
	1		
DATE SUBMITTED:	16/201	BY:	David Soule .

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a dranage submittal.

The particular nature, location and scope of the proposed development defines the degree of drainage detail.

One or more of the following levels of sumbittal may be required based on the following:

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RIO GRANDE ENGINEERING OF NEW MEXICO, LLC

July 16, 2010

Mr. Curtis A. Cheme, PE Principal Engineer Planning Department City of Albuquerque

RE:

Grading and Drainage Plan

501 Madison Place SE (L17-D001B)

Dear Curtis:

The purpose of this letter is to accompany the enclosed grading plan for the referenced project.

This plan has been modified to address your written comments dated July 8, 2010. The following is a summary of your comments with the annotation as to how the plans were modified to address the comments:

I would prefer for the flow to exit into Madison, unless a drainage easement agreement is received from the owners of the property to the north and west.

The site currently discharges at the location. There is not a drainage easement but a utility easement exists. Due to the slope of the land is difficult to 'buck' grade to drain to the east. We have modified the plan to drain approximately half the site to Madison. The proposed discharge to the west has been reduced to less than existing. In addition a shallow (9"deep) harvesting pond has been added to eliminate nuisance flows. The discharge point is at the half road section that continues to the west to Zuni.

2. A new curb, gutter, sidewalk and drive pad need to be installed per COA specifications.

The plan has been modified to clarify what is existing and what is proposed.

3. Build notes are needed to identify all applications

We have added the appropriate build notes.

4. Please label existing and proposed contours

We have labeled the existing contours.

Should you have any questions regarding this resubmittal, please do not hesitate to call me.

Sincerely,

David Soule, PE

· JUL 16 2010
HYDROLOGY
SECTION

Enclosures

Weighted E Method

Existing Basins

												100-Ye	ar
Basin	Area	Area	Trea	tment A	Trea	tment B	Treat	tment C	Treat	ment D	Weighted E	Volume	Flow
·····	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
Α	11871.00	0.273	25%	0.068130165	42%	0.114	15%	0.04088	19%	0.052	1.032	0.023	0.74
Total	11871.00	0.27		0.068		0.114		0.041		0.052		0.023	0.739

Proposed Developed Basins

·											10	0-Year, 6-hr.		10-day
Basin	Area	Area	Treat	ment A	Trea	tment B	Trea	ment C	Treat	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
Α	5077.00	0.117	0%	0	21%	0.024	15%	0.01748	64%	0.075	1.690	0.016	0.46	0.026
В	6794.00	0.156	0%	0	19%	0.030	14%	0.02184	67%	······································	1.727	0.022	0.63	0.036
Total	11871.00	0.27		0.00		0.05		0.04		0.075		0.039	1.089	0.063

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm

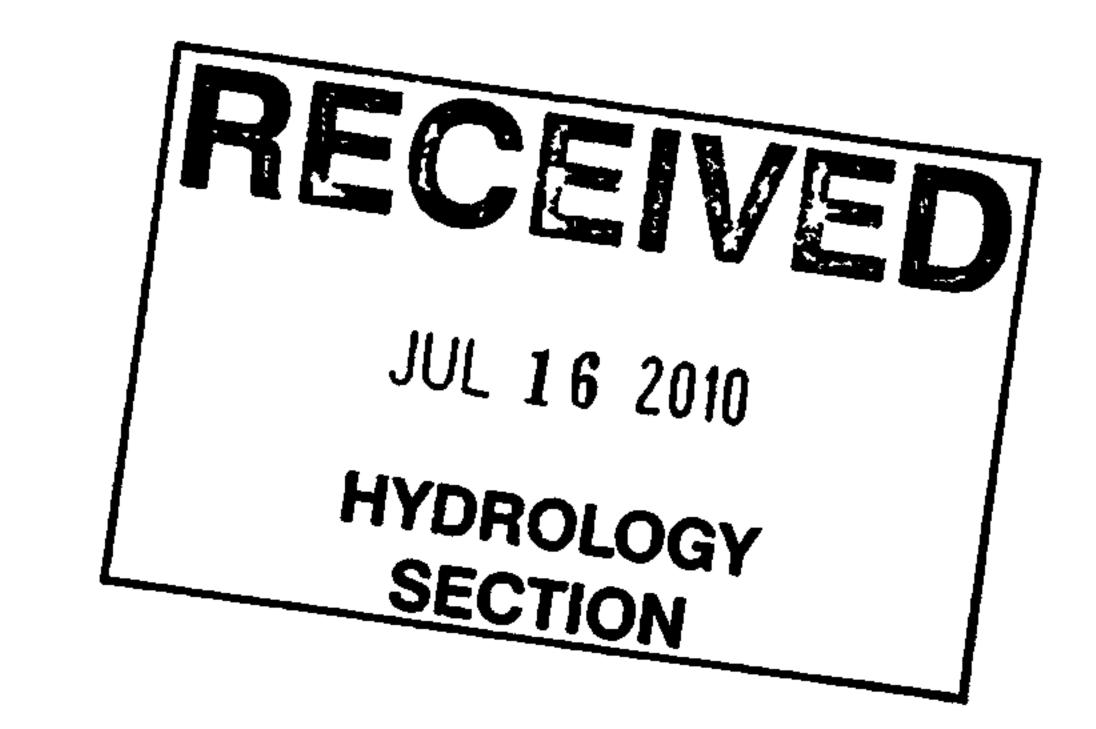
Ea= 0.53	Qa= 1.56
Eb= 0.78	Qb= 2.28
Ec= 1.13	Qc= 3.14
Ed= 2.12	Qd= 4.7

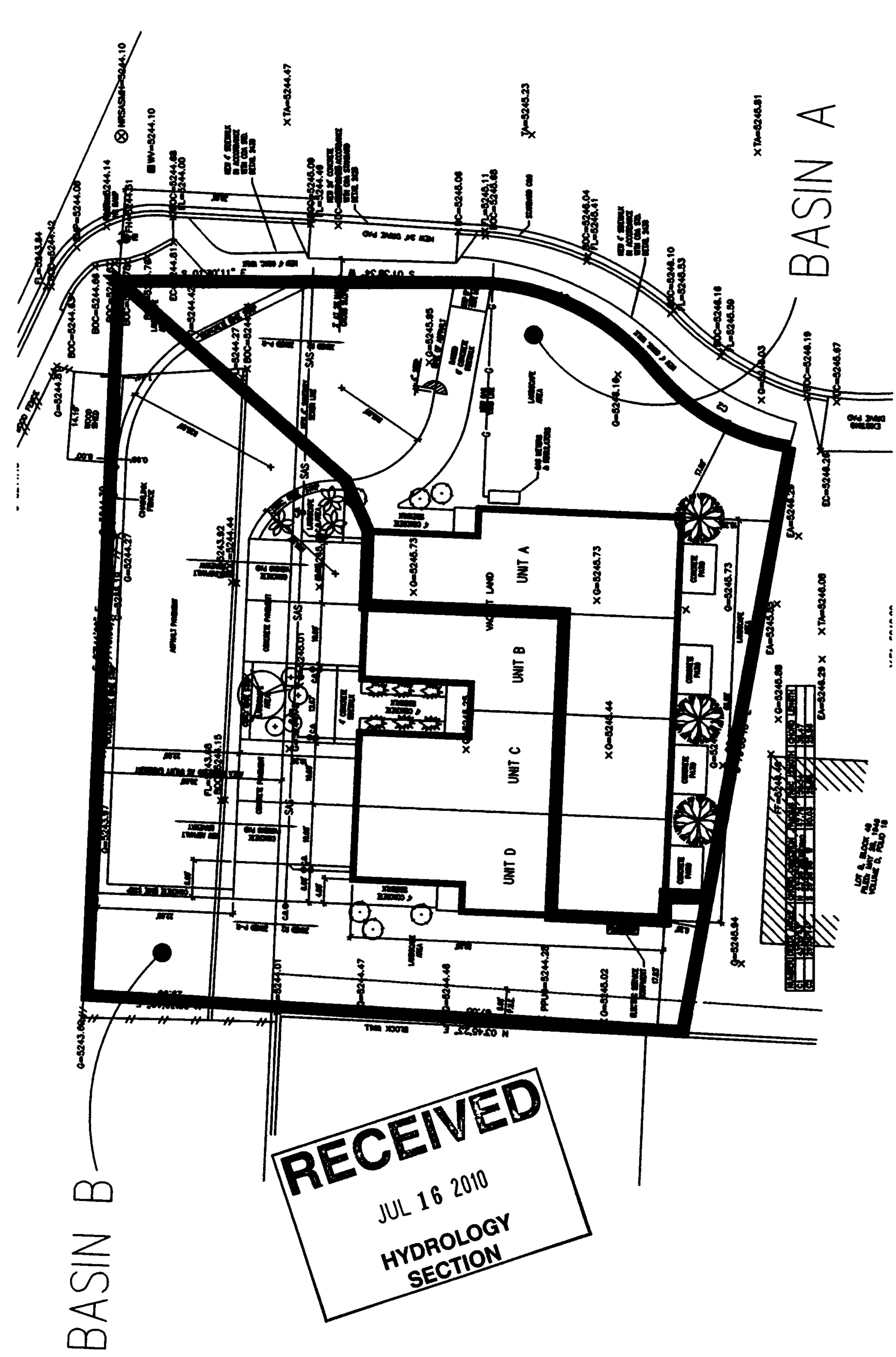
Existing Condition

Discharge to west 0.74 cfs

Developed Conditions

Discharge to west 0.46 cfs
discharge to Madison 0.63 cfs
decrease flow rate from historical to west 0.11 cfs





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DRAINAGE REPORT

For

501 MADISON PLACE SE LOT 5A BLOCK 48 PARKLAND HILLS ADDITION

Albuquerque, New Mexico

Prepared by

Rio Grande Engineering PO Box 67305 Albuquerque, New Mexico 87193

JUNE 2010



David Soule P.E. No. 14522



JUL 0 1 2010

HYDROLOGY SECTION

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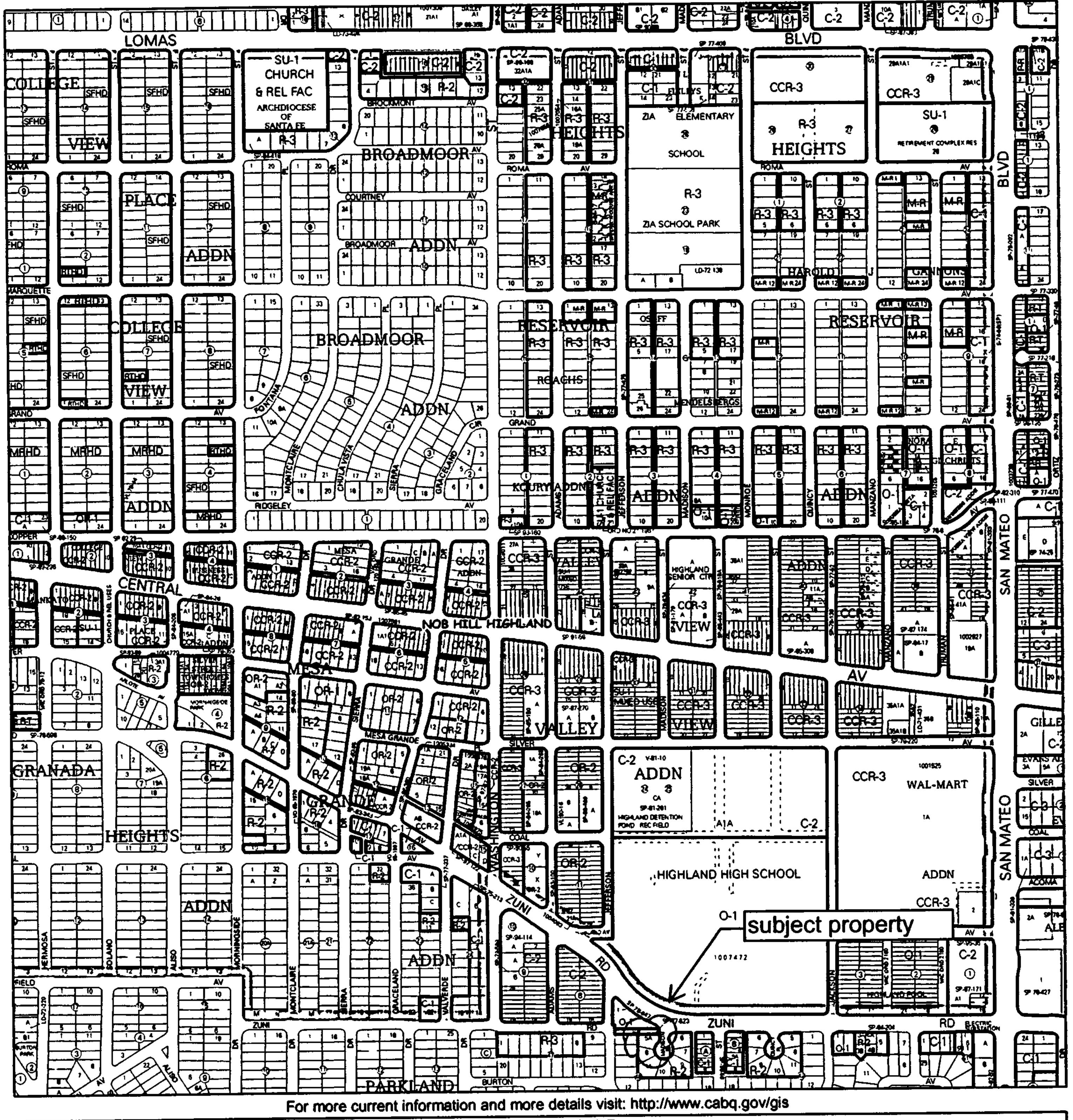
Purpose	3
Introduction	3
Exhibit A-Vicinity Map	4
Exhibit A-vicinity map	5
Existing Conditions	 5
Proposed Conditions	5
Summary	5
<u>Appendix</u> Oita Utualisata au	A
Site Hydrology Map Pocket	
Map Pocket Site Grading and Drainage Plan	

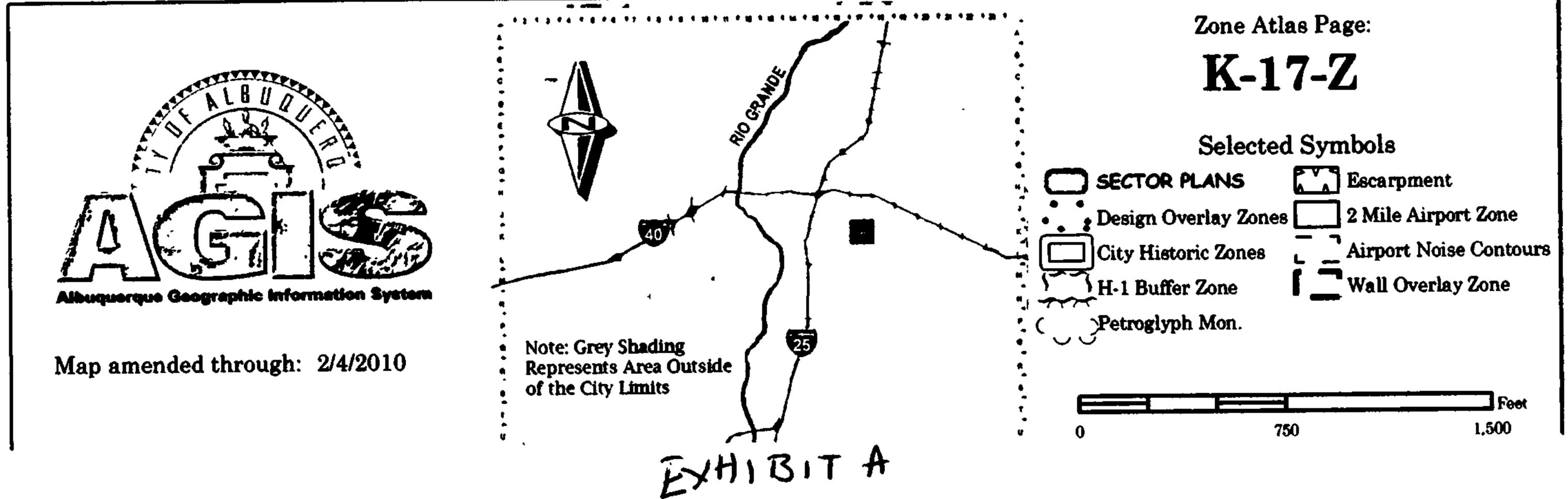
PURPOSE

The purpose of this report is to provide the Drainage Management Plan for an approximately 4,800 square foot apartment building located on the southwest corner of Madison Place Swand Zuni. This plan was prepared in accordance with the City of Albuquerque design regulations, utilizing the City of Albuquerque's Development Process Manual drainage guidelines. This report will demonstrate that the grading does not adversely affect the surrounding properties, nor the upstream or downstream facilities.

INTRODUCTION

The subject of this report, as shown on the Exhibit A, is a single parcel containing an area of .27 acres of land located on the southwest corner of Madison Place and Zuni in south east Albuquerque. The legal description of this site is lots 5A, block 48 Parkland Hills Addition. As shown on FIRM map35013C0354E, the entire property is located within Flood Zone X. This site is surrounded by fully developed parcels. This site appears to be a redevelopment of a previously torn down building. There is no evidence of this previous development but due to the location and age of the area, it is assumed a dwelling was located on site at some point in the past. Based on the site location and the characteristics of the adjacent drainage infrastructure this development shall continue to drain to a remnant of the old Zuni Road alignment that runs the northern 20' of this property. This site is the second site on the cul-de-sac that is being currently developed with the same footprint; the previous site (L17/D001C) was required to free discharge, with no onsite ponding allowed





EXISTING CONDITIONS

The site is currently undeveloped. Due to the high density residential area, this site is hard packed due to vehicular and pedestrian traffic. It appears this site has been graded and not in native conditions. The site slopes from south east to northwest. The site currently has a 1-2% general. There is a remnant of what appears to be the old Zuni Road alignment lying within the northern 20' of the property. The site is not impacted by any offsite flows, and is surrounded by developed properties or completed roadways. As shown in Appendix A, the existing site discharges at a peak rate of 0.74 cfs in a 100-year, 6-hour event. The site discharges to this remnant roadway where the flows continue west onto Zuni.

PROPOSED CONDITIONS

The proposed improvements consist of an approximately 4,800 square foot apartment buildings and associated parking. As shown in appendix A, the site will be graded to contain a single basin. Basin A will free discharge 1.09 cfs down the old Zuni roadway. The onsite grading will be .8%, which will allow for more infiltration within the landscape areas the entire site will drain to the existing remnant roadway. Therefore the existing drainage patterns will remain. The peak site discharge will increase by .35 cfs. Due to the City of Albuquerque's request for free discharge on the lot 8 plan (L17/D001C) within this same cul-de-sac we feel this same approach is appropriate on this lot. Due to the infill nature of the site, and the fact this site was in most likelihood developed in the past, we feel this increase should be acceptable to City Hydrology.

SUMMARY AND RECOMMENDATIONS

This project is a redevelopment project within a completely developed area of southeast Albuquerque. The site currently discharges .74 cfs to Zuni Road remnant. The developed conditions will discharge 1.09 cfs to the same remnant roadway section. The proposed increase of .35 cfs is minimal and shall have no negative impact on existing drainage facilities. Since this site encompasses less than 1/2 acre, a NPDES permit should not be required for construction.

APPENDIX A SITE HYDROLOGY

Weighted E Method

Existing Basins

			<u> </u>									100-Ye	ar
Basin	Area	Area	Trea	tment A	Treat	ment B	Trea	ment C	Treat	ment D	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
Α	11871.00	0.273	25%	0.068130165	42%	0.114	15%	0.04088	19%	0.052	1.032	0.023	0.74
Total	11871.00	0.27		0.068		0.114		0.041		0.052		0.023	0.739

Proposed Developed Basins

								· ·			10	00-Year, 6-hr.	-	10-day
Basin	Area	Area	Treat	ment A	Trea	tment B	Trea	tment C	Treat	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
A	11871.00	0.273	0%	0	19%	0.052	15%	0.04088	66%	0.180	1.717	0.039	1.09	0.063
Total	11871.00	0.27		0.000		0.052		0.041		0.180		0.039	1.092	0.063

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm

Ea= 0.53	Qa= 1.56
Eb= 0.78	Qb= 2.28
Ec= 1.13	Qc= 3.14
Ed= 2.12	Qd= 4.7

Existing Condition

Discharge 0.74 cfs

Developed Conditons

Discharge

ischarge 1.09 cfs

Increase 0.35 cfs

CITY OF ALBUQUERQUE



July 8, 2010

Kenneth R. Hovey, R.A.

Ken Hovey Architect
1606 Central Ave Se Ste. 101
Albuquerque, NM 87106

Re:

Highland Townhomes—Lot 5, 501 Madison Pl SE, Traffic Circulation Layout Architect's Stamp dated 7-08-10 (L-17/D001B)

Dear Mr. Hovey,

The TCL submittal received 7-08-10 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation. Public infrastructure or work done within City Right-of-Way shown on these plans is for information only and is not part of approval. A separate DRC and/or other appropriate permits are required to construct these items.

PO Box 1293

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed <u>Drainage and Transportation Information Sheet</u> to Hydrology at the Development Services Center of Plaza Del Sol Building.

Albuquerque

NM 87103

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed <u>Drainage and Transportation Information Sheet</u> to Hydrology at the Development Services Center of Plaza Del Sol Building.

www.cabq.gov

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924, 3306.

Sincerely

Nile Salgado-Fernandez, P.E. Senior Engineer, Planning Dept. Development and Building Services

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DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

2-17/DOO/B

		110005-LO		IAP: K-V
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VAS A PRE-DESIGN CON	FERENCE ATTENDE			
YES		JUL 08 2010		
NO				
COPY PROVIDED		HYDROLOGY		
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ATE SUBMITTED:			-BI: NVIII	

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 defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

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