628681



OWNER:

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Aspen Ridge Apartments – Phases 3 and 4

ZONE ATLAS/DRNG. FILE #:>

PHONE:

DRB #: 1000166 EPC #: **WORK ORDER #:**

LEGAL DESCRIPTION: Tract A, Aspen Ridge Apartments

CITY ADDRESS: 820 Louisiana Blvd SE – Buildings 3, 8, 9, and 10

ENGINEERING FIRM: Jeff Mortensen & Associates, Inc. CONTACT: J. Graeme Means

ADDRESS: 6010-B Midway Pk. N.E., Albuquerque, NM 87109

(505)345-4250 CONTACT: Simpson Housing Solutions, LLC J.D. Thompson

ADDRESS: PHONE: 320 Golden Shore, Ste 200, Long Beach CA 562-256-2000

90802

ARCHITECT: CONTACT: Contact Owner

ADDRESS: PHONE:

SURVEYOR: Jeff Mortensen & Associates, Inc. CONTACT: Charles Cala

ADDRESS: 6010-B Midway Pk. N.E., Albuquerque, NM 87109 PHONE: (505) 345-4250

CONTRACTOR: T.A. Wallick CONTACT: Mark Donaldson

ADDRESS: (505) 301-3180 PHONE:

TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL(S) SOUGHT:

> SKETCH PLAT APPROVAL DRAINAGE REPORT

DRAINAGE PLAN PRELIMINARY PLAT APPROVAL

CONCEPTUAL GRADING & DRAINAGE S. DEV. PLAN FOR SUB'D APPROVAL

PLAN S. DEV. PLAN FOR BLDG. PERMIT APPROVAL

GRADING PLAN SECTOR PLAN APPROVAL

ENGINEER'S CERTIFICATION FOUNDATION PERMIT APPROVAL

OTHER - (SPECIFY) BUILDING PERMIT APPROVAL

X CERTIFICATE OF OCCUPANCY APPROVAL

BUILDINGS - 4, 5, 6, 11 AND 12 **GRADING PERMIT APPROVAL**

PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT

FINAL PLAT APPROVAL

DRAINAGE REQUIREMENTS

OTHER (SPECIFY)

PRE-DESIGN MEETING:

YES

NO

COPY PROVIDED

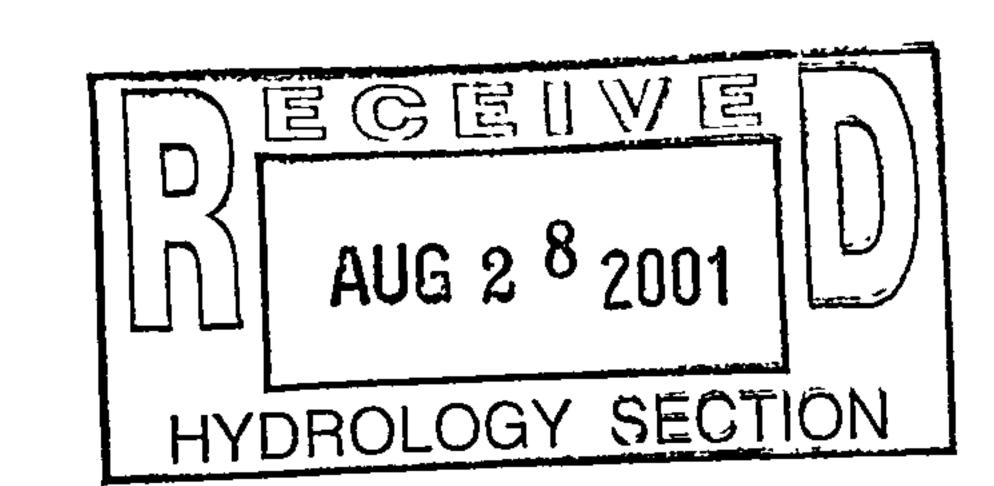
DATE SUBMITTED:

August 27, 2001

BY:

J. Graeme Means

EROSION CONTROL PLAN





P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 28, 2001

Graeme Means, P.E.

Jeff Mortensen & Assoc.

6010-B Midway Park Blvd NE

Albuquerque, New Mexico 87109

RE: ASPEN RIDGE APARTMENTS PHASES 3 & 4 (BLDGS. 4-6 & 11-12)

(820 Louisiana Blvd SE)

(L-19/D61)

ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY

ENGINEERS STAMP DATED 3/8/2000

ENGINEERS CERTIFICATION DATED 8/28/2001

Dear Mr. Means:

Based upon the information provided in your Engineers Certification submittal dated 8/28/2001, the above referenced site is approved for Permanent Certificate of Occupancy for Aspen Ridge Apartments Phases 3 & 4 (Bldgs. 4-6 & 11-12).

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin

Hydrology Plan Checker

Teresa a. Martin

Public Works Department

BUD

C: Vickie Chavez, COA approval file drainage file



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 8, 2001

J. Graeme Means, P.E.
Jeff Mortensen & Associates
6010-B Midway Pk NE
Albuquerque, New Mexico 87109

RE: ASPEN RIDGE APARTMENTS

(L-19/D61)

(Phase 2-Bldgs. 8, 9, & 10, including Phase 1-Bldg. 3)

(820 Louisiana Blvd SE)

ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY

ENGINEERS STAMP DATED 3/8/2000

ENGINEERS CERTIFICATION DATED8/3/2001

Dear Mr. Means:

Based upon the information provided in your submittal dated 8/3/2001, Engineers Certification for Certificate of Occupancy for Phase 2-- Bldgs. 8, 9, & 10 including Phase 1- Bldg. 3) of the above referenced site is approved.

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin

Hydrology Plan Checker Public Works Department

Teresa a. Martin

BUB

C:

Vickie Chavez, COA

approval file drainage file

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Aspen Ridge Apartments – Phase 2

ZONE ATLAS/DRNG. FILE #: L-19/D061

DRB #:

1000166

EPC #:

WORK ORDER #:

628681

LEGAL DESCRIPTION:

Tract A, Aspen Ridge Apartments

CITY ADDRESS:

820 Louisiana Blvd SE - Buildings 3, 8, 9, and 10

ENGINEERING FIRM:

Jeff Mortensen & Associates, Inc.

CONTACT:

J. Graeme Means

ADDRESS:

6010-B Midway Pk. N.E., Albuquerque, NM 87109

PHONE:

(505)345-4250

OWNER:

Simpson Housing Solutions, LLC

CONTACT:

J.D. Thompson

ADDRESS:

320 Golden Shore, Ste 200, Long Beach CA

PHONE:

562-256-2000

90802

ARCHITECT:

Contact Owner

_ _ _ _ _

CONTACT:

CONTACT:

ADDRESS:

SURVEYOR:

Jeff Mortensen & Associates, Inc.

PHONE:

Charles Cala

ADDRESS:

6010-B Midway Pk. N.E., Albuquerque, NM 87109

PHONE:

(505) 345-4250

CONTRACTOR:

ADDRESS:

T.A. Wallick

CONTACT:

PHONE:

(505) 301-3180

Mark Donaldson

TYPE OF SUBMITTAL:

CHECK TYPE OF APPROVAL(S) SOUGHT:

DRAINAGE REPORT

DRAINAGE PLAN

CONCEPTUAL GRADING & DRAINAGE

PLAN

GRADING PLAN

EROSION CONTROL PLAN

X ENGINEER'S CERTIFICATION

OTHER - (SPECIFY)

COPY PROVIDED

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

X CERTIFICATE OF OCCUPANCY APPROVAL

BUILDINGS 3, 8, 9, and 10

GRADING PERMIT APPROVAL

PAVING PERMIT APPROVAL

S.A.D. DRAINAGE REPORT

DRAINAGE REQUIREMENTS

OTHER

(SPECIFY)

DATE SUBMITTED:

PRE-DESIGN MEETING:

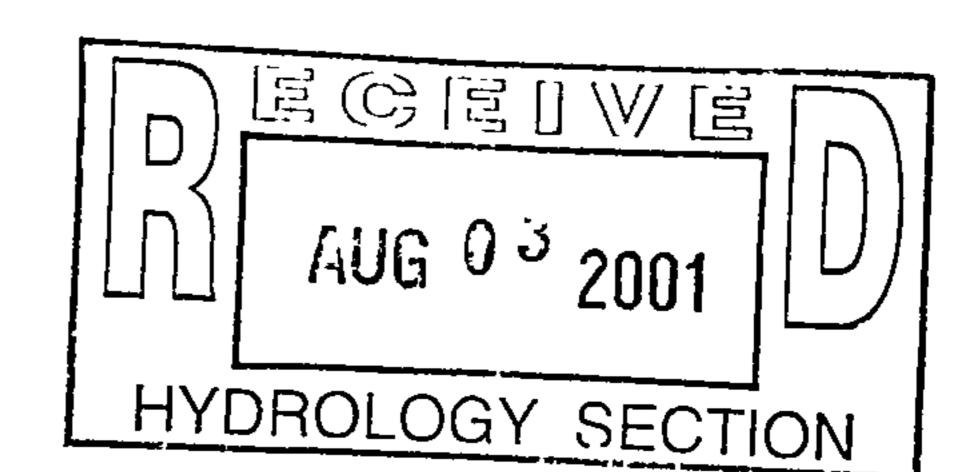
YES

NO

August 3, 2001

BY:

J. Graeme Means





City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Jeff Mortensen, PE Jeff Mortensen & Associates, Inc 6010-B Midway Park Blvd. NE Albuquerque, NM 87109

Re: Aspen Ridge Apartments Grading and Drainage Plan

Engineer's Stamp dated 3-8-00 (L19/D61)

Engineer's Certification date 7-3-01

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 7-5-01, Engineering Certification for Certificate of Occupancy for Phase 1 (Bldgs 1,2,7 and Rec bldg) of the above referenced site is approved. Bldg 3 is not granted a Certificate of Occupancy at this time.

Please include this phase when certifying the entire site after the last phase.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradly L. Buyham Bradley L. Bingham, PE Sr. Engineer, Hydrology

C: Vicki Chavez file



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 6, 2001

Jeff Mortensen, PE Jeff Mortensen & Associates, Inc 6010-B Midway Park Blvd. NE Albuquerque, NM 87109

Re: Aspen Ridge Apartments Grading and Drainage Plan

Engineer's Stamp dated 3-8-00 (L19/D61)

Engineer's Certification date 7/3-01

10/

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 7-5-01, Engineering Certification for Certificate of Occupancy for Phase 1 of the above referenced site is approved.

If you have any questions, you can contact me at 924-3986.

Sincerely

Bradley L. Bingham, PE

Sr. Engineer, Hydrology

C: Vicki Chavez

* #

1 1

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JEFF MORTENSEN AND ASSOCIATES. NC.

| 6010-B MIDWAY PARK BLVD. N.E.
| ALBUQUERQUE | NEW MEXICO 87109
| ENGINEERS | SURVEYORS (505) 345-4250

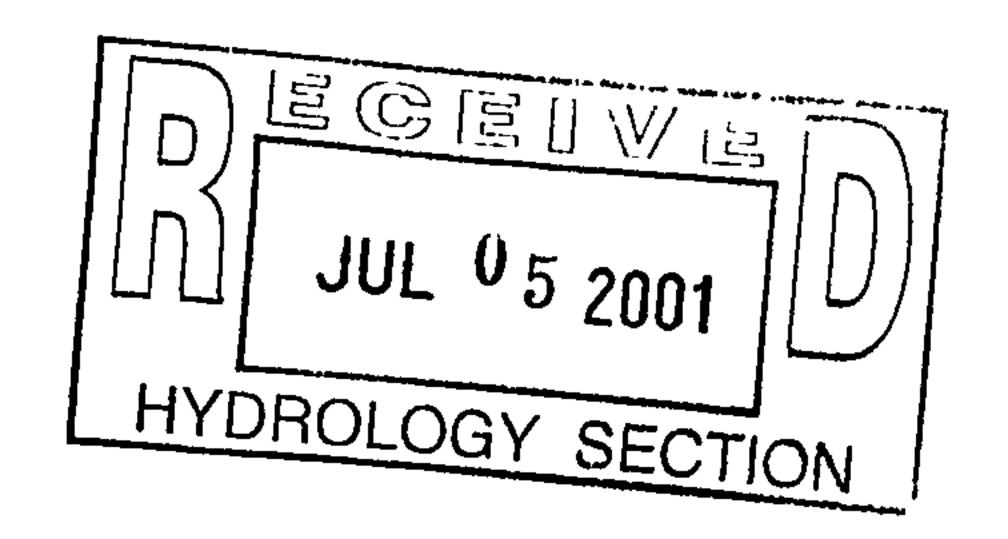
FAX TRANSITAL:

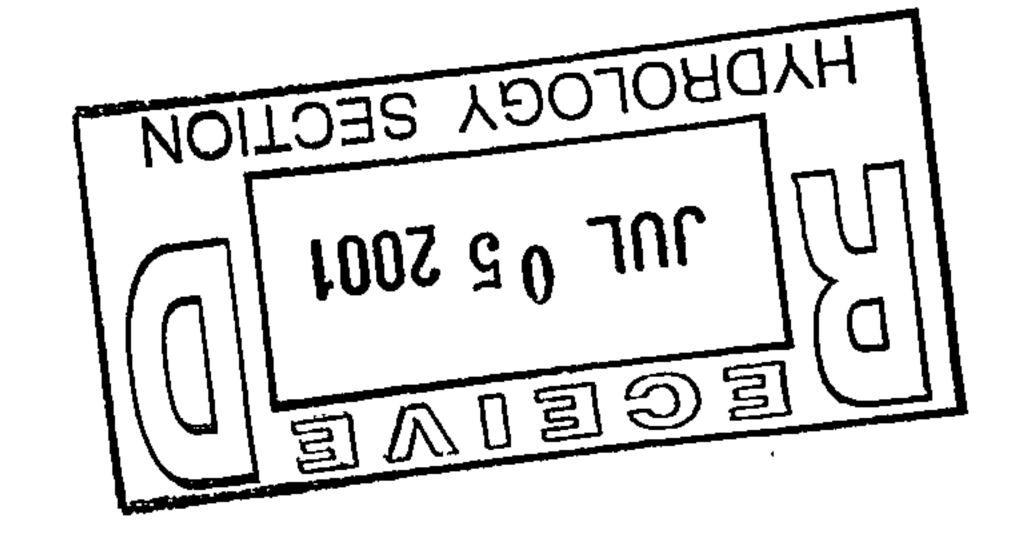
To:	Ten	i Martin	· · · · · · · · · · · · · · · · · · ·	From	Graeme Means	
Fax	924	-3864		Pages:	2	
Phone:	924	-3981		Date:	07/05/01	
Rei	Asp	en Ridge Apartr	nents C19/D61	CC:	99.063.8	
□ Urge	set.	□ For Review	2 For Your Inf	6.	□ Please Reply	As Requested

Transmitted herewith is a copy of the storm drain maintenance inspector's signature for SO 19 approval of the sidewalk culvert for the subject project (C19/D61).

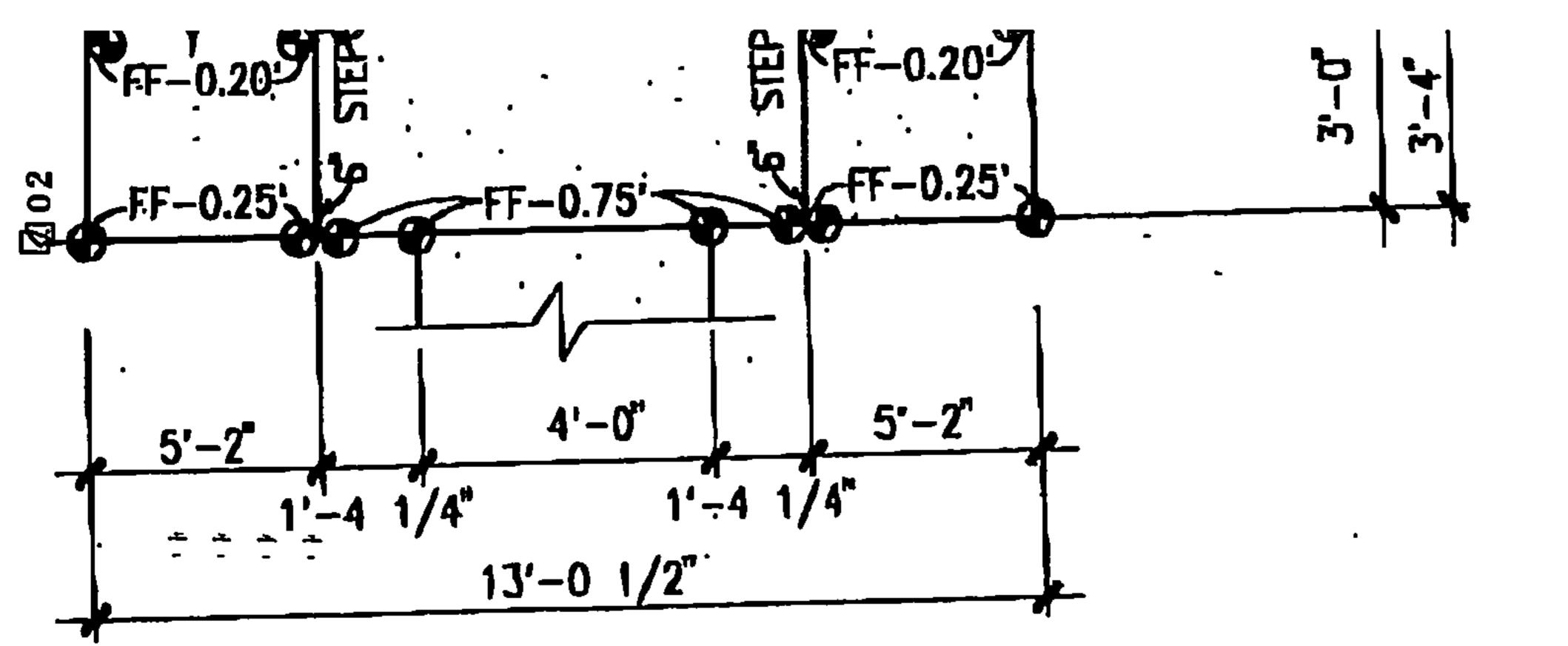
We submitted the Engineer's Certification this morning, but forgot to include a copy of this signoff. Please include this information with the submittal.

Sorry we forgot to include this with the submittal. Please call if you have any questions or comments.





1. Froeme Mlan



L LANDING STEP DETAIL-BUILDING TYPE 'B'

1'=4'

| -- 7

Inc.

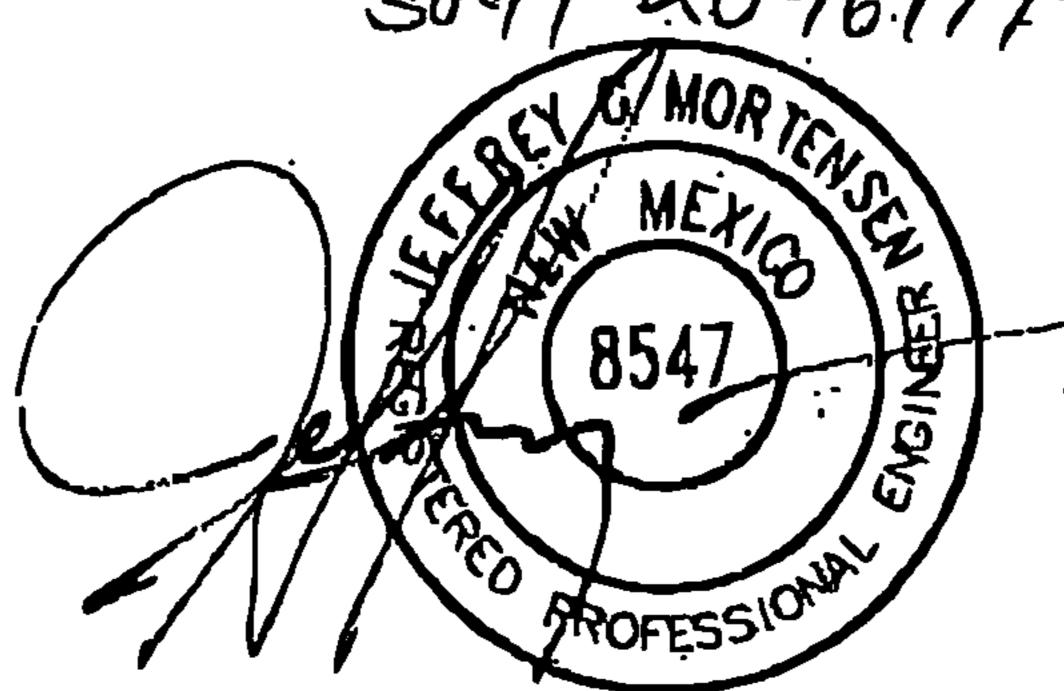
ALBUQUERQUE BUILDING & SAFETY

WAR 2 7 2000

U.B.C. ILAN CHECK BECTION

- 2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- J. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

APPROVALS	NAME	DATE
HYDROLDGY		
SIDEWALK INSPECTOR		
STORM DRAIN MAINTENANCE	75A MANA MA	6/25/0-
MAINTENANCE	Of 11/12/11/2016	77.



03-08-2000 02-18-2000

FAX.	NO.	DATE	BY	REVISIONS	JDB ND. :	990633
NED BY J.Y.R./D.L.M.	•			· DECEIVED.	DATE	02-200
2 I C W				JUL 0 5 2001	SHEET	7 OF 10 · ·
ISJVED BY - SIGH "				LIVERSLOST' SECTION .		

GRADING '

DRAINAGE INFORMATION SHEET

JMA 99.068.8

PROJECT TITLE: A	spen Ridge Apartments – Phase 1			. FILE #: L-19/D061
DRB #: 1000166	EPC #:	WORK	ORDER #:	628681
	<u> </u>			
	Tract A, Aspen Ridge Apartments			
CITY ADDRESS: 820	Louisiana Blvd SE			
	1 - CC B A			i Ossassa Maassa
ENGINEERING FIRM:	Jeff Mortensen & Assoc., Inc.	-		J. Graeme Means
ADDRESS:	6010-B Midway Park Blvd. NE		HONE:	(505) 345-4250
CHT, SIAIE:	Albuquerque, NM		IP CODE:	0/109
OWNER:	Simpson Housing Solutions, LLC	С	ONTACT:	J.D. Thompson
ADDRESS:	320 Golden Shore, Suite 200	P	HONE:	562-256-2000
CITY, STATE:	Long Beach CA	Z	IP CODE:	90802
. —				
ARCHITECT:	Contact Owner		ONTACT:	
ADDRESS:			HONE:	
CITY, STATE:	_, ,		IP CODE:	
SURVEYOR:	Jeff Mortensen & Assoc, Inc.	С	ONTACT:	Charles G. Cala
ADDRESS:	6010-B Midway Park Blvd. NE	<u> </u>	HONE:	(505) 345-4250
CITY, STATE:	Albuquerque, NM	····	_	87109
CONTRACTOR:	T.A. Wallick		_	Mark Donaldson
ADDRESS:				<u>505-301-3180</u>
CITY, STATE:			IP CODE:	
TYPE OF SUBMITTAL:	CHECK	TYPE OF APP	ROVAL SOU	IGHT:
DRAINAGE REPO				NTEE RELEASE
DRAINAGE PLAN		PRELIMINA	ARY PLAT A	PPROVAL
CONCEPTUAL GR	ADING & DRAINAGE PLAN	S. DEV. PL	AN FOR SU	B'D APPROVAL
GRADING PLAN		S. DEV. PL	AN FOR BL	OG. PERMIT APPROVAL
EROSION CONTR	OL PLAN	SECTOR F	LAN APPRO	VAL
X ENGINEER'S CER	TIFICATION	FINAL PLA	T APPROVA	L
CLOMR/LOMR		FOUNDAT	ION PERMIT	APPROVAL
OTHER			PERMIT API	
WAS A PRE-DESIGN C	ONFERENCE ATTENDED:	X CERTIFICA	ATE OF OCC	UPANCY APPROVAL**
YES			PERMIT APP	
<u>X</u> NO	_		ERMIT APPR	
COPY PROVIDED			DER APPRO	VAL
	了	OTHER (SI	•	10 4 0 0 7 and Das
		•	O. for BLDG	SS 1, 2, 3, 7, and Rec.
		Bldg,		
	JUL 0 5 2001			
•				
DATE SUBMITTED:	31 MARGLOGY SECTIONS	eme Means, P.E	• •	

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage 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 submittal may be required based upon 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



March 8, 2000

Jeff Mortensen, P.E. Graeme Means Jeff Mortensen & Associates, Inc. 6010B Midway Park Boulevard, NE Albuquerque, NM 87109

RE: GRADING AND DRAINAGE PLAN FOR **ASPEN RIDGE APARTMENTS**SUBMITTED FOR BUILDING PERMIT APPROVAL & SO 19 (L-19/D061)

Dear Mr. Mortensen,

Based upon the information provided in your February 21, 2000, submittal, the project, referred to above, is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

A separate permit is required for construction within the city right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to release of the Certificate of Occupancy, an Engineer Certification, per the DPM checklist, will be required.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E. Hydrology Division

xc: Pam Lujan, Permits
Whitney Reierson

==== THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER =====

PUBLIC WORKS DEPARTMENT

February 24, 2000

INTEROFFICE CORRESPONDENCE

HYDROLOGY DIVISION

ı þ

TO:

Desiderio Salas, Street Maintenance Division

FROM:

Stuart Reeder, PE, Hydrology Div., PWD Sheart Reeder, P.E.

SUBJECT:

ASPEN RIDGE APARTMENTS (L-19/D061)

Transmitted herewith is a copy of the approved drainage plan for the referenced project incorporating the SO 19 design. This plan is being submitted to you for permitting and inspection.

Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed off SO 19 is required by this office for Certificate of Occupancy release; therefore your expeditious processing of this plan will be greatly appreciated and will avoid any unnecessary delay in the release of Certificate of Occupancy.

If you have any question, please call me at 924-3988.

w/attachment

xe: file

PROJECT TITLE: ASPEN RIDGE APTS	ZONE ATLAS/DRNG. FILE,#: L-19/D61
DRB #: 1000166 EPC #:	WORK ORDER #! 628681
LEGAL DESCRIPTION: Lovelace Foundation	Tract
CITY ADDRESS: SZO Louisiana S.E.	
ENGINEERING FIRM: Jeff Mostensen +Assoc.	CONTACT: Graeme Means
ADDRESS: 6010-B MIDWAY PARKEBLUD	N.E. PHONE: 345-4250
OWNER: KAUFMAN + BROAD MULTI-HOUSING	ROUP CONTACT: Patrick Simon
ADDRESS: LONG BEACH, CA 908	02_ PHONE: 562-256-2024
ARCHITECT: OWNER	CONTACT:
ADDRESS:	PHONE:
SURVEYOR: TM	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: TA - WALLICK	CONTACT: Denny Gowman
ADDRESS:	PHONE: 239-8034
•	
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT .	SKETCH PLAT APPROVAL
	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAI
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 YES	GRADING PERMIT APPROVAL
NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER SO#19 (SPECIFY)
	D) <u> </u>
DATE SUBMITTED: 02-21-00	FEB 2 2 2000
BY: J. Graeme Means	HYDROLOGY SECTION

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT DEVELOPMENT SERVICE / HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO. L-19

PLANNING DIVISION NO'S: EPC: ZONING:R-3

SUBJECT: Aspen Plaza Apts

STREET ADDRESS (IF KNOWN):

SUBDIVISION NAME: Lovelace Foundation

APPROVAL REQUESTED: Building Permit

Fred J. Aguirre-City Hydrologist ATTENDANCE:

Graem Means

FINDINGS:

An approved drainage plan is required for building permit approval. The drainage concept for this infill site could be a qualitative approach in which you would address the information below. If you can demonstrate that this infill development will have a negligible impact on the downstream drainage system, free discharge would be acceptable.

- a comparison of the proposed development to its overall drainage basin with respect to area and/or the relationship of the increased runoff to the existing basin's runoff. The AMDS Drainage Study can be used for basin information.
- impacts on downstream flood plains
- potentials offsite problems created by this development -in other words, will this development have an adverse affect on adjacent properties with respect to drainage
- the downstream affect resulting from the development of the remaining infill sites using the same concept.
- discuss any recent downstream storm drain improvements

THE UNDERSIGNED AGREES THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THEY ARE NOT REASONABLE OR THAT THEY ARE BASED ON INACCURATE SIGNED: Johnson Me TITLE: INFORMATION.

SIGNED: Fred J. Aguirre
TITLE: City Hydrologist

DATE: 7/29/99

DRB:

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH YOUR DRAINAGE SUBMITTAL.

FEB 2 2 2000 HYDROLOGY SECTION



Public Works Department Transportation Development Services Section

March 1, 2000

Mr. Jeff Mortenson, P.E.
Jeff Mortenson & Associates
6010 -B Midway Park Boulevard NE
Albuquerque, New Mexico 87109

Re:

Site Plan submittal for building permit approval for Kaufman & Broad Multi-Housing Group -

Aspen Ridge Apartments, 820 Louisiana Boulevard SE; [L-19 / D061]

Lovelace Foundation Tract;

Engineer's Stamp dated 2/13/2000.

Dear Mr. Mortenson,

Based upon the information provided in your submittal dated February 22, 2000, the above reference Traffic Circulation Layout (TCL) is not acceptable. The TCL requires modification prior to "Building Permit Release" as stated on the attached written comments and red-lined TCL.

Please revise the TCL by addressing the required modifications as noted. Your updated TCL must be submitted with the attached written comments and red-lined plan for final review. Please provide an addittional revised copy of replat for my files. Also verification from stated sections is needed. If you have questions please come by so I can clarify as necessary.

Sincerely,

Mike Zamora,

Commercial Plan Checker

CC:

Hydrology Office File Written Comments: File # L-19 / D061

- Dedication of additional right-of-way on Louisiana Boulevard for a total 10 feet behind the curb.
- Note # 7 is missing.
- Information on the number and dimension of parking stalls along north end of the project are missing.
- The plan must contain street address and legal description [lot or tract & subdivision name].
- Place a note on the plan stating the following:

"The designer of record's certification required by Transportation Development Services must include certification that the site has been constructed in accordance with the TCL before a CO is released."

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- Due to the preliminary natural of this review, subsequent review by the Zoning Section may require alteration to the layout, if modification is required by Zoning, approval of this TCL will be void and a new plan review will be required.
- Parking stall adjacent to refuse enclosures must be 10 feet in width for sight distance improvement.
- The direction the current inspection process has taken in the field has shown that some agents certifying the TCLs for Certificate of Occupancy prefer not to inspect a site in phases as called out on the City Permit Plan set, but they prefer to CO the entire site all at once. For CO purposes it may be in the developer's best interest to choose that a separate permit be requested for each phase independently. If this option is selected, construction of a concrete curb will be required to separate the undeveloped areas for future phases.
- For Handicapped parking spaces Place concrete wheel stop 18 feet from the rear of the stall.
 Use # 6 rebar anchors, 18 inches in length.

X:\eng\pwdjdm\asp-rdg-apts.tcl 820 Louisiana Boulevard SE 3/01/2000



~ »

PARK BLVD. NE
ALBUQUERQUE
NEW MEXICO

PRINCIPALS

| FAX:505-345-4250

| FAX:505-345-4254

| JEFFREY G. MORTENSEN, P.E. jmainc@swcp.com

CHARLES G. CALA, JR., P.S.

[를(C) [를] [W] [를

HYDROLOGY SECTION '

99.063.3

March 10, 2000

Mike Zamora
Commercial Plan Checker
Transportation Development Services Section
City of Albuquerque Public Works Department
600 Second Street N.W.
Plaza Del Sol – Second Floor
Albuquerque, NM 87102

Re: Aspen Ridge Apartments (L-19/D061)

Dear Mike,

Transmitted herewith are the following items relative to the subject project:

- Two (2) Copies of Revised TCL and Detail Sheet
- Copy of Your Comment Letter Dated 03-01-00 With Red-Line Markup
- Copy of Plat Which Dedicates Additional Right-of-Way.

We have prepared this revised plan in response to your comments. We respond to and addresses your written and marked up comments as follows:

- Plan now shows the dedication of R.O.W. This dedication is also shown on the plat.
- I have added note #7 which addresses the concrete valley gutter construction.
- The parking stall dimension string and information along the north end of the project are shown on the north side of the property line.
- I have added the street address to the Site Information area. Because we have a proposed replat, I have expanded the legal description at the top of the sheet to include both the existing and proposed descriptions.
- The Certification Note is located below the Site Information area.
- We are aware that there is a separate review by Zoning which may impact the Plan.

Approved T.C.L. No Stamped, Signed T.C.L. included in pkg. LD.M. Reviewed App V.

99.063.3 March 10, 2000 Page 2

- I have widened the parking spaces to 10 feet which are adjacent to refuse containers as shown on your markup.
- We are aware that a phased Certification for CO purposes may have additional requirements.
- Please refer to the accessible parking detail shown on the sections and detail sheet. I have developed this detail based upon a discussion with Joe David Montano. Instead of using a wheel stop, I have extended the 6" high turndown elevation as a curb poured monolithically with the sidewalk. This will provide a continuous wheelstop for the entire length of parking.

Please review this revised plan at your earliest convenience. If you should have any questions or comments concerning this information, please do not hesitate to call.

Sincerely,

JEFF MORTENSEN & ASSOCIATES, INC.

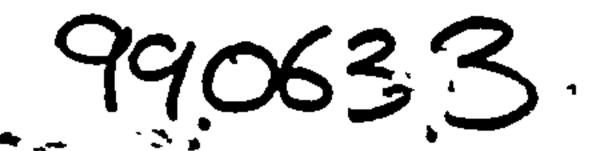
1 1

J. Graeme Means, P.E.

GM:*

xc: Patrick Simons w/enclosures
Denny Gauman w/enclosures

Enclosures





Public Works Department
Transportation Development Services Section

March 1, 2000

Mr. Jeff Mortenson, P.E. Jeff Mortenson & Associates 6010 -B Midway Park Boulevard NE Albuquerque, New Mexico 87109

Re: Site Plan submittal for building permit approval for Kaufman & Broad Multi-Housing Group -

Aspen Ridge Apartments, 820 Louisiana Boulevard SE; [L-19 / D061]

Lovelace Foundation Tract;

Engineer's Stamp dated 2/13/2000.

Dear Mr. Mortenson,

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Please revise the TCL by addressing the required modifications as noted. Your updated TCL must be submitted with the attached written comments and red-lined plan for final review. Please provide an addittional revised copy of replat for my files. Also verification from stated sections is needed. If you have questions please come by so I can clarify as necessary.

Sincerely

Mike Zamora,

Commercial Plan Checker

cc:

Hydrology Office File Written Comments: File # L-19 / D061

- Dedication of additional right-of-way on Louisiana Boulevard for a total 10 feet behind the curb.
- Note # 7 is missing.
- Information on the number and dimension of parking stalls along north end of the project are missing.
- The plan must contain street address and legal description [lot or tract & subdivision name].
- Place a note on the plan stating the following:

"The designer of record's certification required by Transportation Development Services must include certification that the site has been constructed in accordance with the TCL before a CO is released."

- Due to the preliminary natural of this review, subsequent review by the Zoning Section may require alteration to the layout, if modification is required by Zoning, approval of this TCL will be void and a new plan review will be required.
- Parking stall adjacent to refuse enclosures must be 10 feet in width for sight distance improvement.
- The direction the current inspection process has taken in the field has shown that some agents certifying the TCLs for Certificate of Occupancy prefer not to inspect a site in phases as called out on the City Permit Plan set, but they prefer to CO the entire site all at once. For CO purposes it may be in the developer's best interest to choose that a separate permit be requested for each phase independently. If this option is selected, construction of a concrete curb will be required to separate the undeveloped areas for future phases.
- For Handicapped parking spaces Place concrete wheel stop 18 feet from the rear of the stall.
 Use # 6 rebar anchors, 18 inches in length.

X:\eng\pwdjdm\asp-rdg-apts.tcl 820 Louisiana Boulevard SE 3/01/2000



March 13, 2000

Jeff Mortensen, P.E. Graeme Means Jeff Mortensen & Associates, Inc. 6010 B Midway Park Boulevard, NE Albuquerque, NM 87109

RE: GRADING AND DRAINAGE PLAN FOR **ASPEN RIDGE APARTMENTS**RESUBMITTED FOR BUILDING PERMIT APPROVAL & SO 19 (L-19/D061)

Dear Mr. Mortensen,

Based upon the information provided in your March 10, 2000, resubmittal, with your engineering stamp dated 3-8-2000, the project, referred to above, is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

A separate permit is required for construction within the city right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to release of the Certificate of Occupancy, an Engineer Certification, per the DPM checklist, will be required.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Hydrology Division

xc: Pam Lujan, Permits
Whitney Reierson

File

PUBLIC WORKS DEPARTMENT

March 13, 2000

INTEROFFICE CORRESPONDENCE

HYDROLOGY DIVISION

1 þ

TO:

Desiderio Salas, Street Maintenance Division

FROM:

Stuart Reeder, PE, Hydrology Div., PWD Strant Reeder, P.E.

SUBJECT:

ASPEN RIDGE APARTMENTS (L-19/D061)

Transmitted herewith is a copy of the approved drainage plan for the referenced project incorporating the SO 19 design. This plan is being submitted to you for permitting and inspection.

Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed off SO 19 is required by this office for Certificate of Occupancy release; therefore your expeditious processing of this plan will be greatly appreciated and will avoid any unnecessary delay in the release of Certificate of Occupancy.

If you have any question, please call me at 924-3988.

w/attachment

xc:

file

PROJECT TITLE: ASPEN RIGGE APS. ZOI	NE ATLAS/DRNG. FILE #: L19/D6/
DRB #: 1000166 EPC #:	WORK ORDER # 60 0601
LEGAL DESCRIPTION: Tract A. Aspen Ridge	4075.
CITY ADDRESS: <u>Baoloisiana</u> S.E.	
ENGINEERING FIRM: TMA	CONTACT: Graeme Means
ADDRESS:	PHONE: 345-4250
OWNER: <u>Kaufman</u> + Broad	CONTACT: Ensineer
ADDRESS:	PHONE:
ARCHITECT: <u>Kaufman + Broad</u>	CONTACT: Engine
ADDRESS:	PHONE:
SURVEYOR: TM4	CONTACT: Chukk Cala
ADDRESS:	PHONE: 345-4250
CONTRACTOR: TA WALLICK	CONTACT: Enginer
ADDRESS:	PHONE:
DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: YES NO COPY PROVIDED	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)
Comments	(z.w. alvert)
DATE SUBMITTED: 03/10/00 (RESUBMITTED: CIRCLE MEANS	BMITTAL)

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT DEVELOPMENT SERVICE / HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO. L-19

PLANNING DIVISION NO'S: EPC: ZONING:R-3

SUBJECT: Aspen Plaza Apts

STREET ADDRESS (IF KNOWN):

SUBDIVISION NAME: Lovelace Foundation

APPROVAL REQUESTED: Building Permit

Fred J. Aguirre-City Hydrologist ATTENDANCE:

Graem Means

FINDINGS:

An approved drainage plan is required for building permit approval. The drainage concept for this infill site could be a qualitative approach in which you would address the information below. If you can demonstrate that this infill development will have a negligible impact on the downstream drainage system, free discharge would be acceptable.

- a comparison of the proposed development to its overall drainage basin with respect to area and/or the relationship of the increased runoff to the existing basin's runoff. The AMDS Drainage Study can be used for basin information.
- impacts on downstream flood plains
- potentials offsite problems created by this development -in other words, will this development have an adverse affect on adjacent properties with respect to drainage
- the downstream affect resulting from the development of the remaining infill sites using the same concept.

discuss any recent downstream storm drain improvements

THE UNDERSIGNED AGREES THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THEY ARE NOT REASONABLE OR THAT THEY ARE BASED ON INACCURATE SIGNED: Johnson Me TITLE: INFORMATION.

SIGNED: Fred J. Aguirre
TITLE: City Hydrologist

1 þ

1 k

DATE: 7/29/99

DRB:

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH YOUR DRAINAGE SUBMITTAL.



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

1 %

December 5, 2002

Daniel Aguirre, P.E.
Wilson & Company
4900 Lang Ave NE
Albuquerque, New Mexico 87109

RE: VAN BUREN MIDDLE SCH.- ADMIN. OFFICES (L-19/D47)

(700 Louisiana Blvd SE)

ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY

ENGINEERS STAMP DATED 9/14/2001

ENGINEERS CERTIFICATION DATED 12/3/2002

Dear Mr. Aguirre:

Based upon the information provided in your Engineers Certification submittal dated 12/3/2002, and the completion of the SO19 sidewalk culvert improvements, the above referenced site is approved for Permanent Certificate of Occupancy.

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin

Hydrology Plan Checker

Development & Bldg. Ser. Division

Bub

C: Certificate of Occupancy Clerk, COA approval file drainage file

DRAINAGE AND TRANSPORTA	ATION INFORMATION SHEET L-19/047
(REV. 1/1	1/2002)
PROJECT TITLE: Van Buren Middle School ZO	ONE MAP/DRG. FILE#: -L-18/E-19
DRB#: <u>N/A</u> EPC#: <u>N/A</u>	WORK ORDER #: N/A
LEGAL DESCRIPTION: Section 25, Township 10N, Range 3E	, Map No. L-18/L-19
CITY ADDRESS: 700 Louisiana Blvd., SE	
ENGINEERING FIRM: Wilson & Company ARREST COST Company	CONTACT: John A. Tellez
ADDRESS: 2600 The American Rd. SE, Suite 100	PHONE: (505) 348-4128
CITY, STATE: <u>Rio Rancho, NM</u>	ZIP CODE: <u>87124</u>
OWNER: ALBUQUERQUE PUBLIC SCHOOLS	CONTACT: Pat McMurray
ADDRESS: 915 Oak St., SE	PHONE: (505) 242-5865
CITY, STATE: <u>Albuquerque, NM</u>	ZIP CODE: <u>87106</u>
ARCHITECT: H. Barker Architects	CONTACT: Rupal Engineer
ADDRESS: 209 Gold Avenue, SW	PHONE: (505) 842-6789
CITY, STATE: <u>Albuquerque, NM</u>	ZIP CODE: <u>87102</u>
SURVEYOR: Wilson & Company	CONTACT: Scott Croshaw
ADDRESS: 4900 Lang Ave., NE	PHONE: (505) 348-4035
CITY, STATE: Albuquerque, NM	ZIP CODE: 87109
CONTRACTOR: ADDRESS:	CONTACT: PHONE:
CITY, STATE:	ZIP CODE:
CHECK TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SIA / FINANCIAL GUARANTEE RELEASE
DRAINAGE PLAN CONCEPTUAL GRADING & 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
ENGINEERS CERTIFICATION (HYDROLOGY)	FINAL PLAT APPROVAL
CLOMR\LOMR	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULTAION LAYOUT (TCL)	BUILDING PERMIT APPROVAL
ENGINEERS CERTIFICATION (TCL)	X CERTIFICATION OF OCCUPANCY (PERM.)
ENGINEERS CERTIFICATION (DRB. APPR. SITE PLAN)	
X Final TCL and Grading & Drainage As-Builts	GRADING PERMIT APPROVAL
	PAVING PERMIT APPROVAL
	WORK ORDER APPROVAL
WAS A PRE-DESIGN CONFERENCE ATTENDED:	OTHER (SPECIFY)
	国CEIVE
X YES	
NO N	DEC 0 3 2002
COPY PROVIDED	
Date Submitted: December 3, 2002	DROLOGY SECTION

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage 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 submittal may be required based on the following:

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

CITY OF ALBUQUERQUE



November 29, 2010

Jeffrey G. Mortensen, P.E.

High Mesa Consulting Group
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

Re: Van Buren Middle School Track & Field, 700 Louisiana Blvd. SE,

(L-19/D047), Engineer's Stamp Date: 02/18/2010

Certification Date: 11-24-10

Dear Mr. Mortensen,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan received on 11-29-10, for the above referenced plan. This information will be placed in the project file.

PO Box 1293

If you have any questions, I can be contacted at 924-3982.

Albuquerque

Sincerely,

NM 87103 Timothy E. Sims

Plan Checker, Planning Dept.-Hydrology

Development and Building Services

www.cabq.gov

C: file

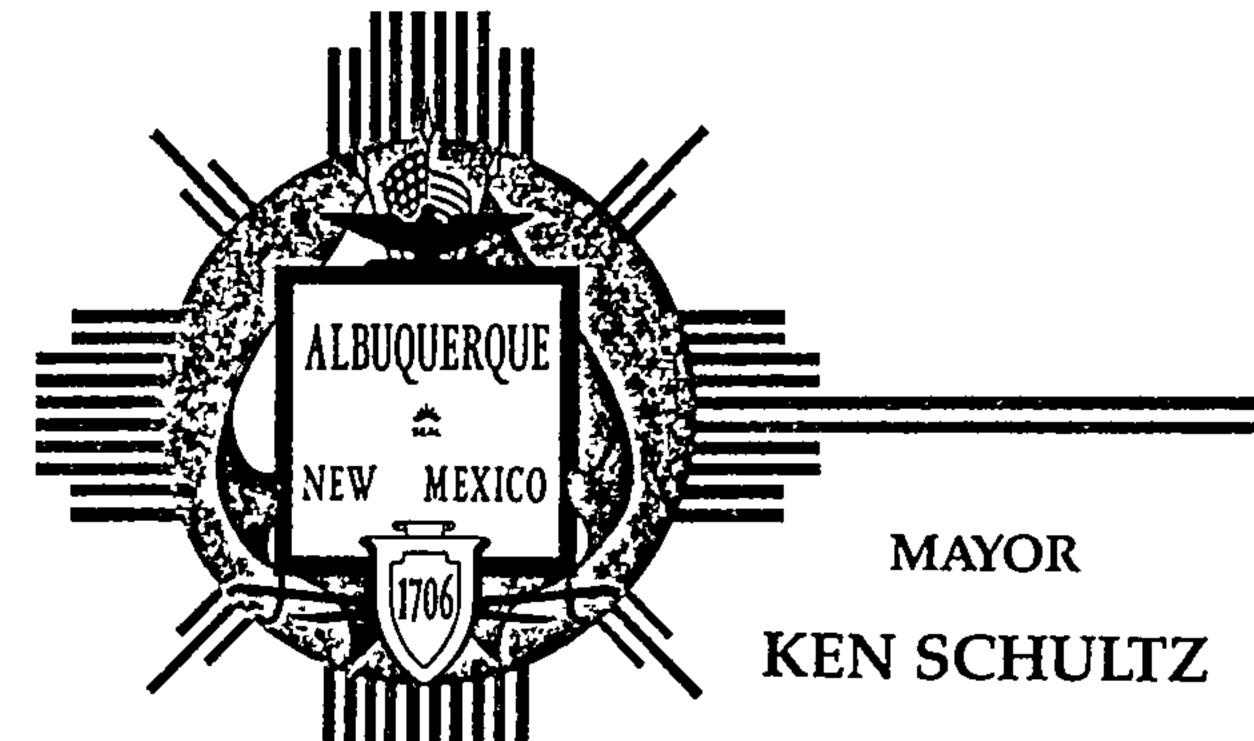
DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: DRB #:	VAN BUREN MS SOFTBALL FIELD EPC #:	ZONE ATLAS/DRNG WORK ORDER #:	. FILE #:L19 [,] * <u>D047</u>
LEGAL DESCRIPTION: CITY ADDRESS: 7	UNPLATTED LANDS OF THE BOARD OF TOUSIANA BLVD SE	EDUCATION	
ENGINEERING FIRM: ADDRESS: CITY, STATE:	HIGH MESA CONSULTING GROUP	CONTACT: PHONE: ZIP CODE:	JEFF MORTENSEN (505) 345-4250 87109
·	RQUE PUBLIC SCHOOLS	CONTACT: PHONE: ZIP CODE:	ANNELLE DARBY 848-8829 87106
ARCHITECT: ADDRESS: CITY, STATE:	WESTWIND LANDSCAPE	CONTACT: PHONE: ZIP CODE:	ELIZABETH CALHOON 881-8925 87107
SURVEYOR: HIGH ADDRESS: CITY, STATE:	MESA CONSULTING GROUP (NMPS 11184) 6010-B MIDWAY PARK BLVD. NE ALBUQUERQUE, NM	CONTACT: PHONE: ZIP CODE:	CHARLES G. CALA, JR (505) 345-4250 87109
CONTRACTOR: WE ADDRESS: CITY, STATE:	ESTWIND LANDSCAPE 2739 VASSAR PLACE NE ALBUQUERQUE, NM	CONTACT: PHONE: ZIP CODE:	ELIZABETH CALHOON 881-8925 87107
DRAINAGE PLAN CONCEPTUAL GR GRADING PLAN (EROSION CONTR X ENGINEER'S CER CLOMR/LOMR TRAFFIC CIRCUL ENGINEER'S CER	RT 1 st SUBMITTAL, <i>REQUIRES TCL or equal</i> RESUBMITTAL RADING & DRAINAGE PLAN (REVISION)	PRELIMINARY PLA S. DEV. PLAN FOR S. DEV. PLAN FOR SECTOR PLAN APP FINAL PLAT APPRO FOUNDATION PER BUILDING PERMIT CERTIFICATE OF C	ARANTEE RELEASE T APPROVAL SUB'D APPROVAL BLDG. PERMIT APPROVAL PROVAL MIT APPROVAL APPROVAL CCUPANCY (PERM.) CCUPANCY (TEMP.) APPROVAL PROVAL PROVAL APPROVAL
WAS A PRE-DESIGN COPY PROVIDED	ONFERENCE ATTENDED:		NOV 2 9 2010 HYDHOLOGY
DATE SUBMITTED: XC: ANNELLE DARBY		G. MORTENSEN	SECTION

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage 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 submittal may be required based upon 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

CHIEF ADMINISTRATIVE OFFICER

GENE ROMO

DEVELOPMENT & ENTERPRISE SERVICES

DEPUTY CAO
PUBLIC SERVICES

LARRY LARRANAGA

DEPUTY CAO

DAN WEAKS

August 16, 1988

Mike Kibbee DMJM 6501 Americas Parkway, NE Suite 690 Albuquerque, New Mexico 87110

RE: REVISED CONCEPTUAL DRAINAGE REPORT FOR PHIL CHACON PARK, PHASE I, RECEIVED JULY 20, 1988

FOR SITE DEVELOPMENT PLAN APPROVAL (L-19/D45)

Dear Mr. Kibbee:

The above referenced submittal, dated June 1, 1988, is approved for Site Development Plan sign-off by the City Engineer.

At time of Grading and Paving Permit request, a more detailed Grading and Drainage Plan will be required. A Topsoil Disturbance Permit from the Environmental Health Department will also be required at that time.

Development of Phase II will require a detailed analysis of the 30" RCP outfall system to determine the timing and capacity for release of developed flows into this system.

If you have any questions, please call me at 768-2650.

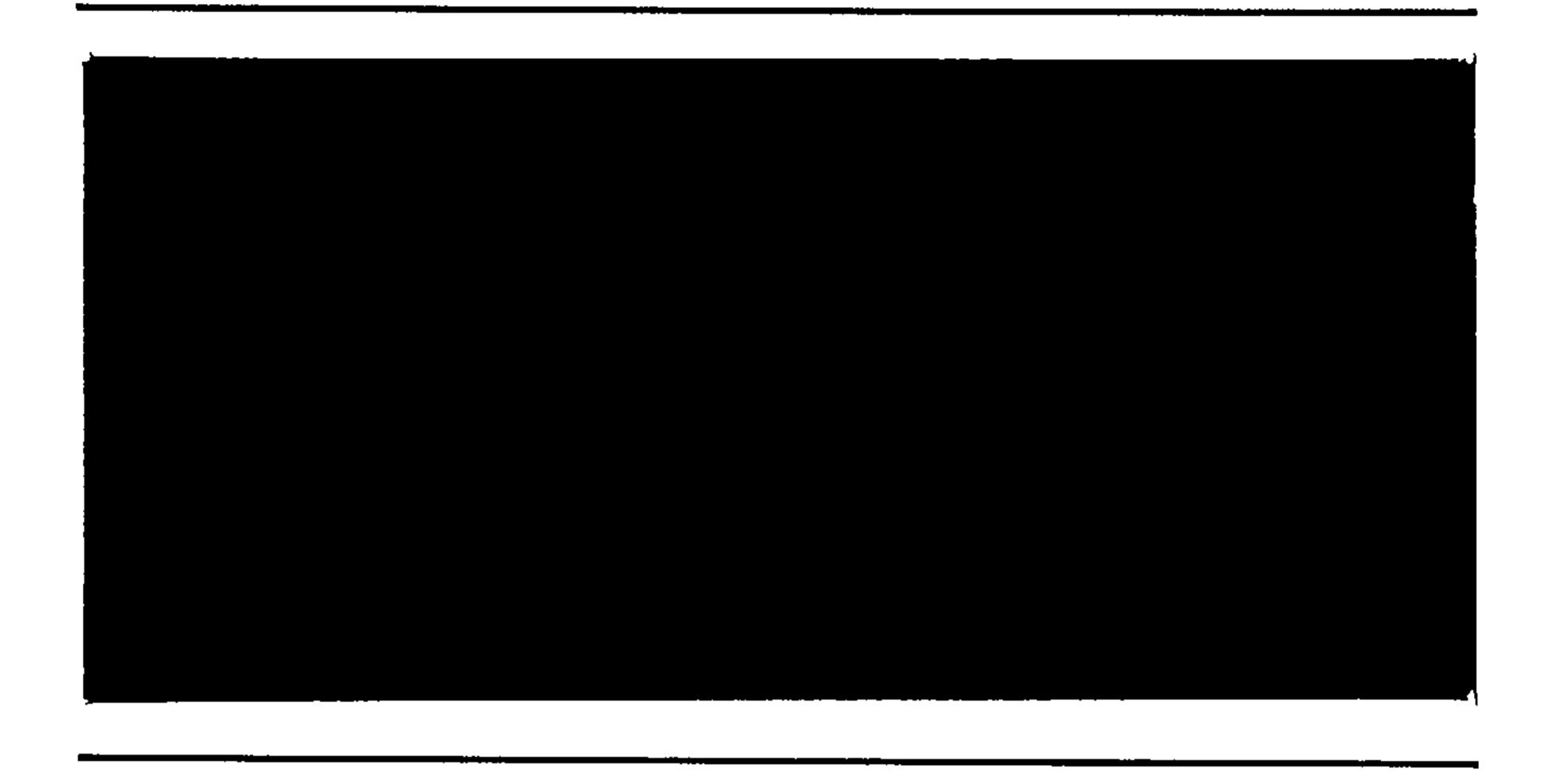
Cordially,

Roger A. Green, P.E.

C.E./Hydrology Section

xc: Sandy Zuschlag Julia Niemann

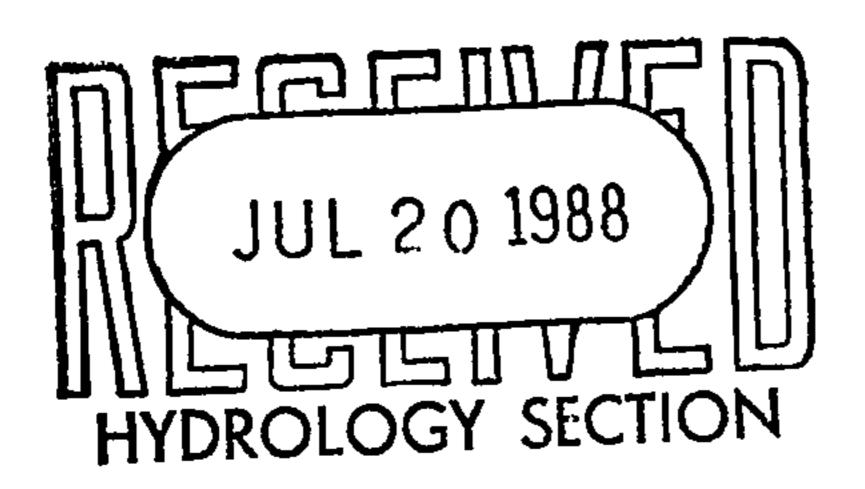
RAG/bsj



* * * *



CONCEPTUAL DRAINAGE REPORT FOR PHIL CHACON PARK PHASE I



PREPARED FOR: City of Albuquerque

P. O. Box 1293

Albuquerque, N. M. 87103

DMJM PREPARED BY:

6501 Americas Parkway N.E.

Suite 690

Albuquerque, N. M. 87110 (505)884-4031



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PURPOSE	1
LOCATION AND DESCRIPTION	1
EXISTING DRAINAGE CONDITIONS	4
PROPOSED DRAINAGE CONDITIONS	4-6
EROSION CONTROL PLAN	6
SUMMARY	6
CALCULATIONS	7-24

REAR POCKET

PHIL CHACON PARK PHASE I GRADING AND DRAINAGE PLAN OFFSITE DRAINAGE MAP (ORTHOTOPO'S L-18 & L-19)

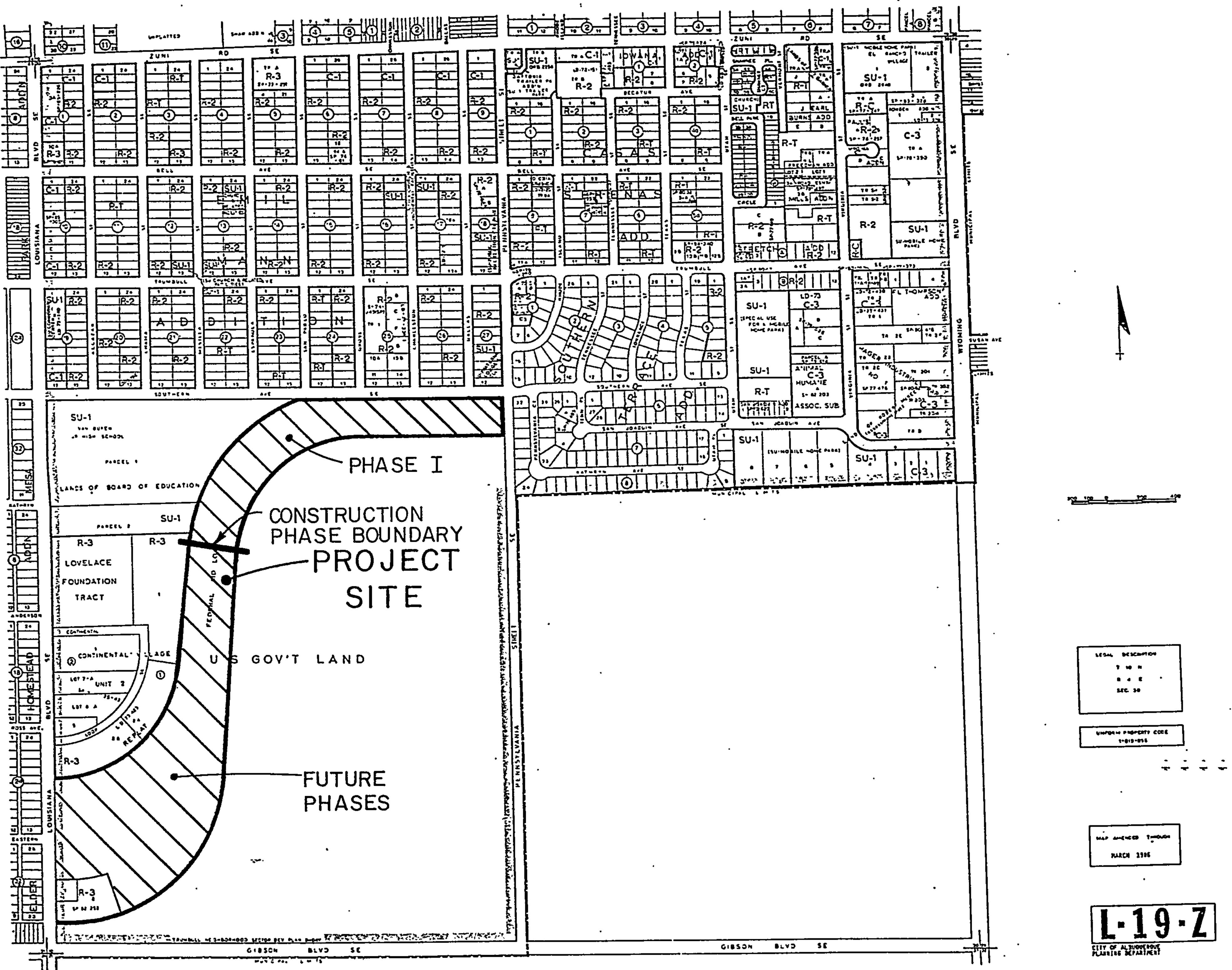
PURPOSE:

The purpose of this report is to present the method for controlling surface runoff from the proposed development in a manner which is acceptable to the City of Albuquerque and the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA). In addition, this report presents a design that will ensure that the project site will be protected from storm runoff and that the proposed development of the site will not increase the flooding potential to adjacent properties and downstream areas.

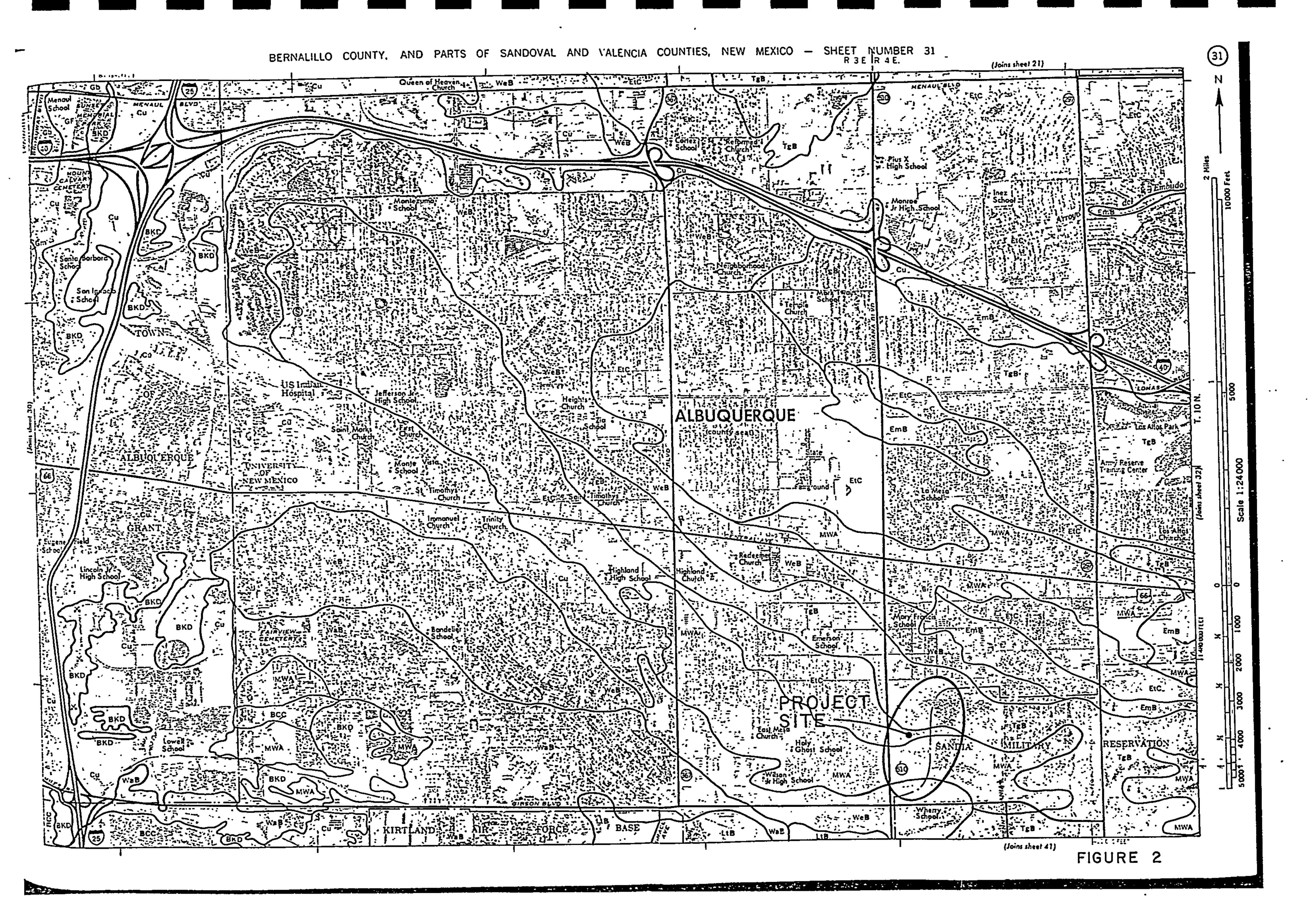
LOCATION AND DESCRIPTION:

The project site is located in Albuquerque's Southeast quadrant and is bounded on the south and east by Kirtland Air Force Base, on the north by Southern Blvd. S. E. and on the west by Van Buren Middle School and the Warren Apartments complex. The location of the project site is graphically depicted on vicinity Map L-19 (Figure 1).

The project site is currently undeveloped and contains approximately 50.4 acres of which approximately 25.9 acres will be developed at the present time. The natural topography slopes from east to west at a grade of approximately 1.3%. The major soil groups present within the project site are Madurez-Wink association, Tijeras, Embudo-Tijeras association and Wink-Embudo association. The USDA Soil Conservation Service has classified all of the above soil groups into hydrologic type "B". Plate 31 of the Soil Survey of Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico, 1977 graphically depicts the soil types within the project site (figure #2).



FIGURE

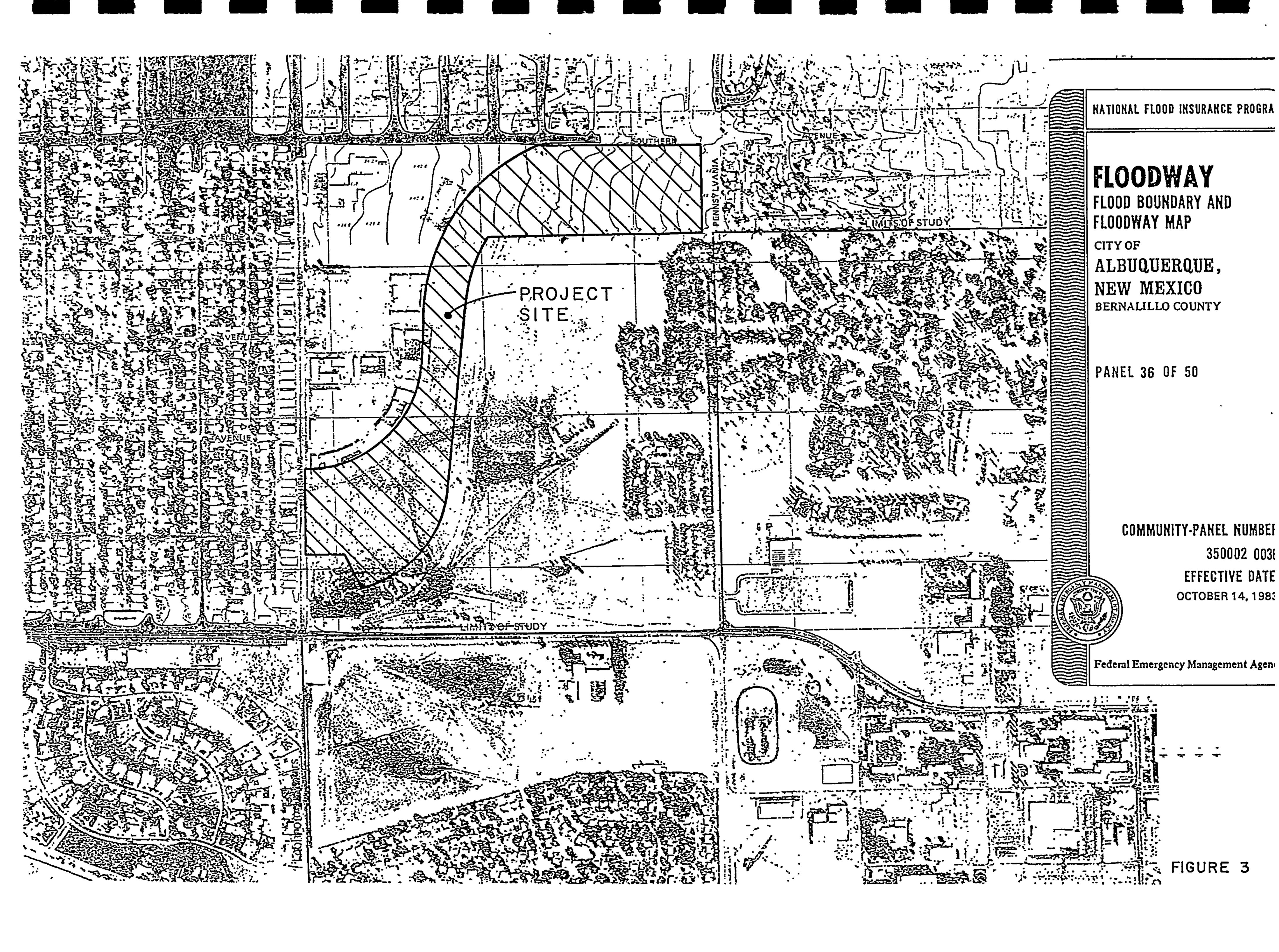


The project site is currently undeveloped and does not lie within a flood hazard zone as indicated by FEMA Floodway Map panel 31 (Figure #3). The only offsite drainage encroaching the project site is generated on the land adjacent to the east property line and contains approximately 39.63 acres, all of which lies within the jurisdiction of Kirtland Air Force Base and is maintained by the City of Albuquerque. The above offsite drainage basin is graphically depicted in the Offsite Drainage Map (rear pocket). Runoff from the offsite area enters the project site along the east property line as overland sheet flow. Storm runoff passes through the project site from east to west as overland sheet flow until it is intercepted in an earthen swale running along the west property line. The swale carries the runoff south and west along the property line then discharges into Louisiana Blvd. SE. Once in Louisiana Blvd. SE the runoff is carried south to Gibson Blvd. SE then west on Gibson SE as surface flow until it is captured by an underground storm drain system in Gibson Blvd. SE.

PROPOSED DRAINAGE CONDITIONS:

The project site will be developed into a city park (see Phil Chacon Park Master Plan). Construction of the park will take place in multiple phases: Phase I, consisting of the northeast half of the project site, will be developed immediately. Future phases consisting of the south west half of the project site will be left in its existing condition until it's development at some future date. The construction phase boundary as well as other proposed drainage conditions are graphically depicted in the Phil Chacon Park Drainage Plan (rear pocket).

Runoff generated within the project site will be treated by several methods. First, runoff from natural landscape areas will be retained on site. This treatment will effectively reduce runoff rates as well as reduce maintenance costs by containing any sediment dislodged from these areas. Secondly, runoff from parking lot areas will be directly discharged into the adjacent streets or underground storm drain systems. This treatment will prevent runoff tainted with oils and other pollutants potentially deadly to lawns and foliage from being released onto landscaped Lastly, runoff from sodded and planted areas will be areas. carried by a series of swales to the construction phase boundary and released into the existing drainage path in the future phase The permanent treatment for the sodded and planted areas of Phase I (Basin C-1 of the grading and drainage plan) will be designed and constructed with future phases of the park and will have the following scheme: Runoff from the sodded and planted



areas of Phase I as well as all runoff from future phases, will be carried by a series of swales to the southwest corner of the park where it will be discharged into an underground storm drain system. This system will connect to the existing 30" RCP storm drain known as the Kirtland Detention Basin North Basin Drain (Included in City of Albuquerque Project No. 1674) and is identified in the Restudy of Albuquerque Master Drainage Study Volume II (AMDSII) as APU 48SS. The location of these storm drain systems can be seen on the offsite drainage map in the rear pocket. This treatment will prevent all nuisance flows as well as major storm flows from being discharged into adjacent roadways as surface runoff thus reducing pedestrian and traffic safety concerns.

All runoff generated within the offsite basin will be prevented from entering the project site. This will be accomplished with the expansion of Gibson Boulevard through the offsite basin (see South Urban Area Corridor Study Gibson Boulevard East Sheets 7 and 8). Until construction of the Gibson Boulevard East project is underway, storm runoff from the offsite basin will be controlled by constructing a series of temporary contour ditch/dyke sections throughout the offiste basin. This will effectively capture and retain all runoff generated within this area in small volumes, as well as keep erosion to a minimum.

EROSION CONTROL PLAN:

Interim erosion control during construction of all phases of the project will be accomplished by placing a series of earthen dikes and silt fences in the drainage paths. This will limit runoff to manageable volumes and areas and will also limit sediment transport from disturbed soil areas.

There will be no physical erosion control measures taken between the construction of Phase I and future phases. This is due to three facts: First, runoff from Phase I will be significantly reduced from the existing condition. Secondly, runoff from Phase I that enters the future phases area will do so at the same point as in the existing condition. Lastly, the future phase area will be left in its existing condition until it's time of development and there is no evidence of erosion at this time.

SUMMARY

- 1. All criteria established by the Drainage Ordinance have been met.
- 2. Developed runoff rates have been significantly reduced from the existing rates.
- 3. All offsite runoff will be prevented from entering the project site.
- 4. Allowable surface runoff rates established by AMDSII have been reduced by the development of this project site.

CALCULATIONS

HYDROGRAPH COMPUTATION WORKSHEET

DATE 5-25-38 COMPUTED BY MK CHECK BY

Analysis Point "A"

(Q by Rational Method)

Friether (malitime (V by Sig Method)

EXISTM	a Conditions	
مست جندان من ترجيد مندان ويوادي ويوادي	Phil Chacon Park - Phase I	
	Project Site + offsite Basin I-A	-
LOCATION	+ Offsite Basin I-B	_

ANALYSIS POINT # A NW property Corner

(DR. AREA) A = 90.07

Tc 32.48

POINT RAINFALL 2.4 IN. FROM PLATE 22.2 D-1

CN = 77 FROM PLATES 22.2 C-2, 22.2 C-3

RUNOFF VOLUME R = 0.68 IN. FROM PLATE 22.2 C-4

COMPUTED $T_p = 33$ MIN. $T_p = T_c$ (Rounded to even minute)

$$q_p = \frac{45.3A}{I_C} = \frac{CFS./INCH OF RUNOFF}$$

(RXqp) = Qpeak = 99.42CFS $t(COLUMN)=(t/T_p)$ $t=T_p(t/T_p)$

У	=	Qpeak	Q	==	y(Qpeak)
		чреак			

	•
te	•

L= 4200

S= 0.007

te = 32.48 nin

 $I = 2.4 (6.94) 33^{-.51} = 2.759 il/hr (2.4" 6hr-100yr storm)$

C=.0.40 (undereloped)

 $Q_{100} = (0.40)(2.759)(90.07)$

PLATE 22.2 F-1

=> Q100 = 99.42 cfs
Q100 = 65.32 cfs

Vioo = (90.07)(43560)(0.68)(12)

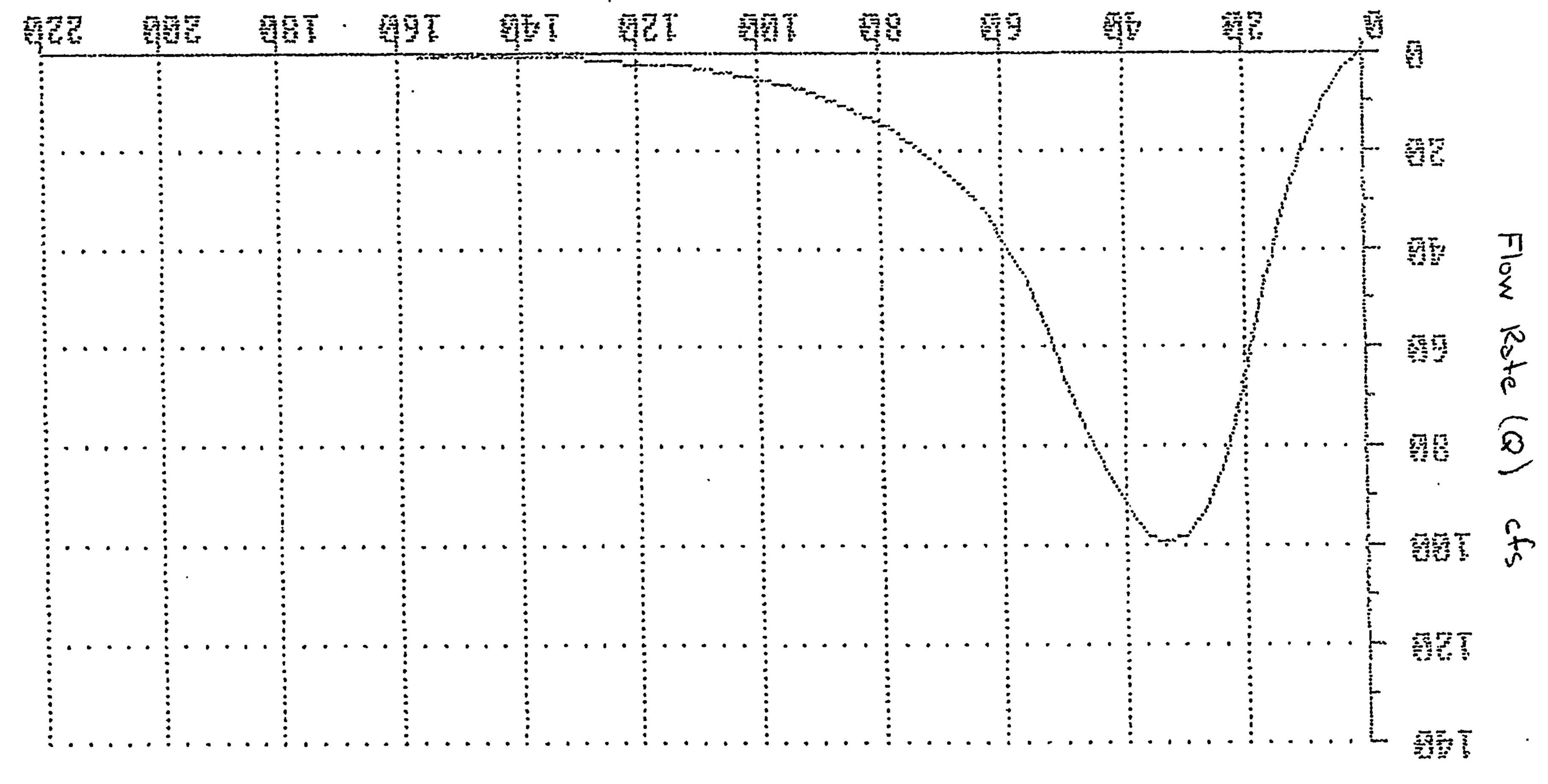
> V100 = 222, 329 ft3 (5.10 A-ft)

V10 = 146,071 ft3 (3.35 Ac-ft)

1	thad)	JOH# 6368.00			
		(t/T _p)	t (min.)	y	(cfs)
		0	0	0	0
1	2		3,3	.03	2.98
	3	.2	6.6	.10	9,94
į	4	.3	9.9	.190	19.84
	5	.4	13.2	.310	30.82
	6	.5	16.5	.470	46.73
į	7	.6	17.9	.660	65.62
,	8	.7	23.1	.820	31.52
	9	.8	26.4	.930	92,46
	10	.9	29.7	.990	98.43
	11	1.0	33	1.00	99.42
	12	1.1	36.3	.990	98.43
1	i 3	1.2	39.6	.930	92.46
•	14	1.3	42,9	.860	35.50
	15	1.4	46.2	.780	77.55
	16	1.5	49.5	.580	67.61
	17	1.5	52.3	.560	55.68
	18	/	56.1	.400	45.73
	19	1.8	59.4	.390	38.77
	20	1.9	62.7	.330	32.81
	21	1 2.0	1 66	.230	27.84
	22	2.2	72.6	·207.	20.53
	23	1 2.4	79.2	.147	14.61
	24	2.6	85.3	.107	10.64
	25	i 2.8	92.4	.077	7.66
	25	3.0	99,0	.055	5.47
	27	3.2	105.6	.040	3.98
	28	1 3.4	112.2	.029	2.83
	29	3.6	118.8	.021	2.09
	30	3.8	125.4	.015	1.49
	31	4.0	132.0	.011	1,04
	32	1 4.5	148.5	.005	0.50
	33	5.0	165.0		0
					<u> </u>

534001W EE = 97

(2sturin) smiT



(stie tosjan + risson stietho). A' trial eisylent : Agerzparbyth raitibnos paitzixa

R A
IVI

PROJECT Phil Chacon Park · Phase I

PAGE PROJECT NO. 6368.00 10 DATE

SUBJECT Developed Onsite Conditions

Basin A-1 (Retained Onsite)

A = 51360 1 (1.18 Ac)

C = 0.40 (Natural land scape)

tc = 10 min

 $I = (2.4)(6.84)10^{-.51} = 5.07$ M/hr (2.4"6)hr - 100 yr storm)

 $Q_{100} = (0.40)(5.07)(1.18)$

 $Q_{100} = 2.39 \text{ cfs}$

Q10 = 1.57. cfs

CN = 77 DPM Vol#2 Plate 22.2: C-2

Direct Runoff (R) = 0.68 in DPM Vol #2 Plate 22.2 C-4

V100 = (51360) (0.68)(/2)

 $--> \cdot V_{100} = 2911 \text{ ft}^3$

V10 = 1913 Ft3

Retention Pond Capacity: (Vp) Pond A-1

orface Area (As) = 8384 th. (5362 contour)

Botton Area (AB)

= 0.75 ft Min. Delath

= 0.375 As = (.375) (3384)

> V100 = 291/ ft3. ok. Vp = 3144 Ft3

Λ

PROJECT

Phil Chacon Park Phase I

PRO.	JECT.ŅO.		PAGE
6	368,	∞	
BY	* k .	DATE	11
ļ	\mathcal{M}	5-25-89	' '

SUBJECT

Developed. Onsite Conditions

BESIN A-2 (Retained Onsite)

A = 51,936 P (1.19 Ac)

C = 0.40 (Natural landscape)

te = 10 min

 $I = (2.4)(6.84) 10^{-.51} = 5.07 in/hr (2.4"6hr-100yr storm)$

 $Q_{100} = (0.40)(5.07)(1.19)$

 $\frac{1}{2} \cdot Q_{100} = 2.41 \text{ cfs}$

Q10 = 1,59 cfs

CN = 77

0PM Vol #2 Plate 22.2 C-2

Direct Ronoff (12) = 0.68 in

DPM Vol #2 Plate 22,2 C-A

Vioo = 51936 (.68) (/2)

V10 = 1934. ft3.

Retention Pond Capacity: (Vp) Pond A-2

Surface Arca (As) = 8928 (5365 contour)

Botton Area (AB) = 0 Min Depth (d) = 0.75 ft

 $V_P = \frac{A_S + A_B}{2} d = 0.375 A_S = (.375)(8928)$

Vp = 3348 ft3 > V100 = 2944 ft3 ...ok/

PROJECT

Phil Chacon Park Phase I PROJECT NO.
6369.00

BY DATE
5-24-88

SUBJECT

Developed Onsite Conditions

Basin A-3 (Retained Onsite)

A = 39,398 (0.90 Ac)

C = 0.40 (Natural Landscape)

tc = 10 min

 $I = 2.4 (6.84) 10^{-.51} = 5.07^{-11}/hr (2.4! 6hr-100yr storn)$

 $Q_{100} = (0.40)(5.07)(0.90)$

Q100 = 1.83 cfs

Q10 = 1.20 1cfs

CN = 77

OPM Vol #2 Plate 22.2 C-2

Direct Runoff (R) = 0.69

Dbw 1/0/ #5 6/54c 55'5 C-#

V100 = (0.68)(12) (39398)

V100 = 2233 ft3

V10 = 1467 St3

Retention Pond Capacity: (Vp) Pond A-3

Surface Area As = 6013 #

Botton Area AB = 0

Min Depth d = 0.75 ft.

 $V_p = \frac{A_s + A_B}{2} d = 0.375 A_s = (375)(6013)$

> Vp = 2255 ft3 > V100 = 2233 ft3 okv

	PROJECT Phil Chacon Park		PROJECT NO. 6369.00	
	Phase I	BY	DATE 5-25-89	13
BJECT Devel	oped Onsite Conditions	, ,		1
Basin A-	4 (Retained Onsite)			
‡ :	A = 20,672 (0.47 Ac)		•	
	C = 0.40 (Natural landacape)		·	
•	tc = 10 min	i 1 4	1	1
;	$I = 2.4 (6.84) 10^{-151} = 5.07 in/hr$ $Q_{} = (0.40) (5.07) (0.47)$	(2,4"	6 hr - 100	hr sypu
	Q100 = (0,40) (5,07) (0.47)			
	Q100 = 0.95 cfs Q10 = 0.6	3 ; cfs		•
		+ 		•
	CN = 77	No1#5 1	7/2 pe 55.7	_ C-で
•	Direct Broaff (B) = 0.68 in DPM	161 #2 P	1.55 SS.2	C-4
,	Vin = (20 672) (68) (45)			•

55'5 C-5 22.2 C-4 V100 = (20,672)(.68)(72) V100 = 1172 ft3 V10 = 770 ft-3

Retention Pond Capacity (Vp) Pord A-4 Siface Area Botton Area (AB) = 0 Min Depth (d) = 0.75 ft.

 $V_{p} = \frac{A_{s} + A_{B}}{2} d = 0.375 A_{s} = .375 (5696)$ Vp = 2136 ft3 > V100 = 1172 ft3 ok~

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PROJECT

Phil Chacon Park Phase I

PAGE PROJECT NO. 6368.00 14 DATE NK " 5-24.88

SUBJECT

Developed Onsite Drainage

Basin A-5 (Retained Onsite)

A = 25088 M (0.56 AL)

C= 0.40 (Natural landscape)

tc = 10 min

I = 2,4 (6,84) 10-.51 = 5,07 11/1-

12.4" 6 hr-100 yr storm

Q100= (0.40) (5.07) (0.56)

Q100=1,14cfs

Q10 = 0.75: cfs

CN = 77

DPM V01#2 Plate 22.2 C-2

Direct Runoff (12) = 0.68 in

DPM Vol #2 Plate 22.2 C-4

Vion = 25088 (.68) (/2)

V100 = 1422 ft3

V10 = 935 ft3

Retention Pond Capacity (Up)

Pond A-S

= 0.375 As = (.375) (3849)

PROJECT

Phil Chacon Park Phase I

PROJECT NO. 6368.00

DATE

PAGE

Developed Onsite Conditions

(Direct discharge into Southern Ave SE)*...

A = 41578 \$ (0.95 Az)

Composite Rational "C" factor

Area Type	4.7.63	<i>C</i> .	CA: .
Pevecl	32578	0.95	30949.1
VM27	9000	0.25	2250.0
Σ	41578	_	33199:1

$$C = \frac{5CA}{5A} = \frac{33199.1}{41578}$$

C = 0.80

te = 10 min

 $I = 2.4(6.84) 10^{-.51} = 5.07 in/hr$

(2.4" 6 hr - 100yr storm)

 $Q_{100} = (0.80)(5.07)(0.95)$

Q100 = 3.85 cfs

Q10 = 2.53 cts

Welakted CN

Ares Type	Ares th	1stal to 6°	CN *
Pared	32578	78.35	98
Lawn	9000	21.65	61
٤	41579	100	

* DPM Vol #2 Plate 22,2 C-2

CN = .7835(98) + .2165(61) CN = 90 CN = 90 CN = 1.44 in DPM Vol #2 Plate 22.2 C-4

Direct Runoff (R) = 1.44 in

V100 = 41,578 (1.44) (12)

V100 = 4990 ft3

No = 3279 ft3

* Direct discharae of Basin B-1 into Southern Ave SE is permissible due to the following:

1. Basin B-1 is a portion of Basin U-20 of the Restudy of Albugueigue Master Drainage Study Volume III (AMDSII). Basin U-20 has been significantly reduced in size by the development of Phil Chacon Park therefore reducinal total runoff in this basin

2. AMOS II Makes no restrictions in Basin U-20 reastaina direct discharge.

•	-	
		HVI
	VR	78 W S

PROJECT Phil Chacon Park

· Phase I

PROJECT NO. PAGE 6368.00 DATE

SUBJECT

Developed

Orsite Conditions

Basin B-2 (Direct discharge to Louisiana Blud SE. VIa future Police substation Parcel being designed by others.)

A = 245 376 \$ (5.63 Ac)

Composite Rational "C" Factor

Arez Type	Area th		CA
Peved	98000	0.95	93100
Lawn	147376	0.25	36844
Σ	245376		129944

$$C = \frac{2CA}{2A} = \frac{129944}{245376}$$

C = 0.53

Time of Concentration (tc)

$$t_{-1} = .0078 - \frac{480^{.77}}{.01.385} = 5.33 \text{ min} \approx 6$$

$$t_{c_1} = .0078 \frac{680.77}{.005.385} = 9.10 \text{ nin } \approx 9$$

I = 2.4(6.84) 15 -151 = 4.125 1/hr

(2,4"6hr-100yr storm)

$$Q_{100} = 12,31$$
 cfs

Weighted CN

Area Type	Area th	CN *	A(CN)
Paved	98000	વ શુ	9604000
Socl	147 376	61	8989936
Σ	245376		18593936

* DPM Vol #2 - Plate 22.2 c-2

$$CN = \frac{\sum A(CN)}{\sum A} = \frac{19,593,936}{245,376}$$

CN = 76

Direct Runoff (R) = 0.63 in

DPM Vol # 2 Plate 22.2 C-4

V100 = 245376 (0.63)(2)

Vion= 12,981 ft3

V10 = 3529 ft3

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PROJECT

Phil Chacon Park Phase I PROJECTINO.
6369,00

BY DATE

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17

PAGE

Developed Onsite Conditions

Basin B-7 (continued)

Direct discharge of Basin B-2 into Kowisiana Blud SE. via future police substation parcel is permisible due to the following:

1. Basin B-2 is a portion of Basin U-30 of AMDS II. Basin U-30 has been significantly reduced by the development of Phil Chacon Park, therefore reducing total runosf in this basin.

2. AMDS IT Makes no restrictions in Basin. U-30 regardina direct discharge

3. The police substation parcel-will also serve as an access way to the park there fore drainage will be transported through this access way to Louisiana Blue. S.E.,

4. Louisiana Blud SE will not be flooded by this drainage. This is due to Coursiana being at a high point in this location and therefore has little other contributing runoff sources.

•	
	IVI

PROJECT Phil Chacon Park · Phase I

PAGE PROJECT NO. 6368.00

SUBJECT Developed Onsite Conditions

Basin (C-1 (Direct discharge at Analysis Point B").

A=652592 (14,98 AL)

Composite Rational "C" Factor

Area Type	Area	_	CA
Paved	51200	0.95	48640
Lawn	601392	0.25	150348
Z	652592		198988

$$C = \frac{2CA}{5A} = \frac{198988}{652592}$$

$$C = 0.30$$

Time of Concentration (tc)

te = 36 min

 $I = 2.4 (6.84) 36^{-.51} = 2.64 in/hr$

2.4"6hr-100yr storn)

Weighted CN

Area Type	Fres th	CN *	A(N)
Paved	51200	98	5017600
Lawn	601392	61	36684912
>	652592		41702512

DPM Vol #2 Plate 22.2 C-2

$$CN = \frac{5 \text{ A(CN)}}{5 \text{ A}} = \frac{41702512}{652592}$$

DPM 61tz Plate 22.2 C-4

PROJECT

Phil Chacon Park Phase I

PAGE PROJECTINO. 6368.00 DATE

Developed Conditions: Analysis Point "A"...

Contributory Area:

offsite Basin I-B.

B 25/1 C-1:

Phase II. Arca:

A = 22,42 AL

= 61.94 Ac

Undeveloped A = 14,98 Ac developed pork A = 24,54 A. Wideveloped:

Composite Rational "C" Factor

Area Type	Area (Ac)		CA
Undeveloped	46,96	0.40	18.794
Basin C-1	14.98	0.30	4,494
Σ	61.94		23.27%

$$C = \frac{5 CA}{5 A} = \frac{23.278}{61.94}$$

C= 0.38

Time of Concentration (t)

$$t_{c2} = .0078 \frac{1700.77}{.006.395} = 17 \text{ minutes}$$

to = 2 to, = 36 + 17.

to = 53 minutes

$$\pm = 2.4(6.84) 53^{-.51} = 2.167 \frac{11}{hr}$$

(2.4" 6hr-100yr storm)

 $Q_{100} = (0.39)(2.167)(61.94)$

$$\rightarrow Q_{100} = 51.0$$
 cfs

Q10 = 33.5 cfs

Weighted CN

Area Type	Area (Ac)	CN	A(CN)
Ordeveloped	46.96	77 *	3615.92
Basin C-1	14.98	64	958.72
2	61.94	**	4574.64

* DPM Vol #2 Plate 22.2

 $CN = \frac{2(CN)A}{2A} = \frac{4574.64}{61.94}$

CN = 74

· Direct Ronoff (12) = 0.55 · in

DPM Vol #2 Plate 22.2 C-4

V.100 = 61.94 (0.55) (/2)

 \rightarrow $V_{100} = 2.85 A_c - FH (124, 305 FH^3)$

V10 = 1.87 Ac. ft. (81669 ft3)

DNJM

PROJECT

Phil Chacon Park Phase I PROJECT NO. PAGE 6369.00
BY DATE 20

SUBJECT Developed Conditions: Analysis Point "A" (continued).

Direct discharge at Analysis Point "A" into: Lourgiana: Blud SE is permissible due to the following:

- 1. The developed runoff rate (Rion = 51.0 cfs) has been reduced by 51.0% of the existing runoff rate (Rion = 99.42 cfs).
- 2. Direct discharge at Analysis Point "A" is a temporary condition. Ultimately, all runoff from basin C-1 and all future phases will be routed to an underground storm drain system which will be located in the southwest corner of the park. See the Offsile Drainage Map for further information. In addition all offsile runoff will be prevented from entering the project site.

HYDROGRAPH COMPUTATION WORKSHEET

DATE S-25-98'
COMPUTED BY NK
CHECK BY

Analysis Point A" / Q by Retional Me	111\	CHE	ECK BY	<u></u>	
Developed Conditions (V by SCS Met)	nod)	20P #	6369.0	X
PROJECT Phil Chacon Park - Phase I		(t/T _p)	t (min.)	y	Q (cfs)
offsite Bosin I-B., Bosin C-1					,
LOCATION Future Phases Area		U	<u> </u>	0	1.53
, , , , , , , , , , , , , , , , , , ,		1	5,5	.03	1.33
ANALYSIS POINT # "A" NW proparty corner	3	1	10.6	190	9,69
	4	1 0	71,2	310	15,81
(DR. AREA) $A = 61.94$ ACRES	5	-4-		.470	23.47
_ ·		-5	31.8	.660	33.66
Tc 53 MIN	3	7	37.1	.820	41.82
	9	8	42.4	.930	47.43
POINT RAINFALL IN. FROM PLATE 22.2 D-1	10	1 9	47.7	.990	50.49
CN = FROM PLATES 22.2 C-2, 22.2 C-3	11	1.0	53	11.00	51.0
CN = FROM PLATES 22.2 C-2, 22.2 C-3	12	1 1.1	58.3	.990	50.49
RUNOFF VOLUME R = IN. FROM PLATE 22.2 C-4	13	1.2	63.6	.930	47.43
RUNOFF VOLUME R = IN. FROM PLATE 22.2 C-4	14	1.3	६८.५	.860	43.36
COMPUTED $T_D = MIN$. $T_P = T_C$	15	1.4	74.2	.780	39.78
COMPUTED $T_p = \frac{MIN}{(Rounded to even minute)}$	16	1.5	79,5	.580	.34.68
	17	1.5	9,4,43	560	25.56
The design of the second of th	18	1./	90.1	300	23.46
$q_p = \frac{45.5A}{C} = \frac{CFS./INCH OF RUNOFF}{CFS./INCH OF RUNOFF}$	19	1-0	95.4	.390	16.33
	20	1 2 0	100.7	.330 .280	14.28
$(R=X=q_p) = Q_{peak} = .51.0$ CFS	22	1 2 2	1 106	207	10.56
	27	1 2.4	177.7	.147	7.50
$t(COLUMN)=(t/T_p)$ $t=T_p(t/T_p)$	24	2.6	137.8	107	5.46
	25	i 2.8	148,4	.077	3.93
$\alpha = \alpha + \alpha + \alpha + \alpha$	25	3.0	159	.055	18.5
$y = Q Q = y(Q_{peak})$	27	1 3.2	169.6	.040	2.04
. Qpeak	28	1 3.4	180.2	.029	1.49
	29	3.6	190.8	.021	1.07
	30	1 3.8	201.4	.015	0.77
	31	4.0	212	.011	0.56
	32	1 4.5	238.5	.005	0.26
			1	. ^^^	.

y dir 63.E acc. 367 E9T Developed Conditions Hydrograph Analysis Point "A" Anios siephane Adrograph Analysis Point "A" Phases Area

(20+UNIM) SMIT (20-FS) SALUNIM SS = 92) = 92) PROJECT

Phil Chacon Park Phose I

PAGE PROJECTINO. 6368,00 BY DATE
7-18-88

Ultimate Drainage Conditions: Analysis Point ""

(Park FUlly Developed)

A = 14.98 Ac. } Filly Developed Park

* Assumes:

137cts 2825

238 baneq

50% landscape C=.25

* All of the runoff from future phases will be routed to Analysis Point E! There will be no discharage into Louisiana Blud. S.E.

Composite Rational "C" Factor

Area Type	Area (Ac)	<u>ر</u>	· CA
Basin C-1	14,98	0.30	4,494
Future Phase	24.54	0.46*	11.288
Σ	39.52		15.78

 $C = \frac{2 CA}{2 A} = \frac{15.78}{39.52}$

C = 0.40

Time of Concentration (tc)

Otc, = to of Basin C-1 to Analysis Bint "B" = 36 min

@ tez = to from Analysis Point "B" to Analysis Point "C"

 $t_{c_2} = .0078 \frac{1700.77}{.006.305} = 17 \text{ minutes}$

to = 53 minutes

I = 2,4 (6,94) (53) -.51 = 2.167 in/hr

(2.4" 6hr -100yr storm)

 $Q_{100} = (0.40)(2.167)(39.52)$

>Q100 = 34.26 cfs

Q10 = 22,51 cfs

Weighted CN

STYPE FSTA	(A) 597A	CN	A(CM)
1336in C-1	14,49	64	450.72
Future Phases	24.54	74 *	1315.96
2	39.52		2774.68

* Assumes

50% landscape CN=61 2500 vaturel CN = 77 25 % Paved CN =98 DMJM

PROJECT Phil Chacon Park

Phase I

Subject VI timate Dainage Conditions Analysis Point C

(Park Fully Developed)

Weighted CN (continued)

CN = \frac{\geq}{2} A (CN) = \frac{2774.68}{39.52}

CN = 70

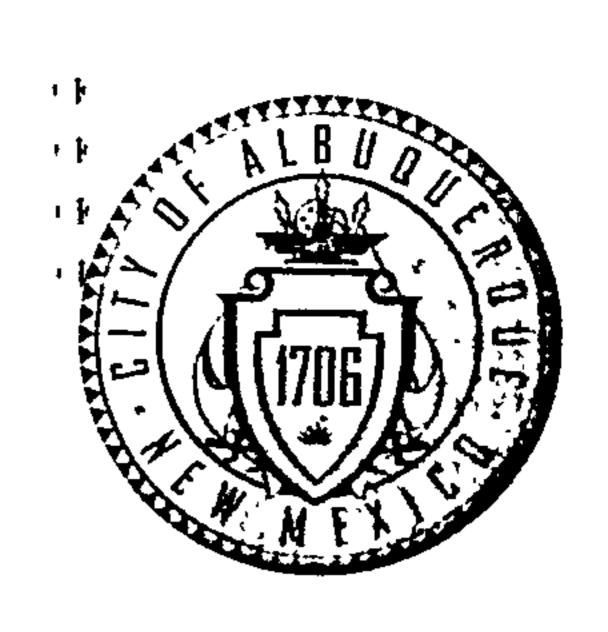
Direct Runoff (R) = 0.41 in DPM Vol #2 Plake 22.2 C-4

Vioo = 39.52 (0.41) 12

 $\rightarrow V_{100} = 1.35 \text{ Ac-ft} (58,818 \text{ ft}^3)$ $\rightarrow V_{10} = 0.89 \text{ Ac-ft} (38,643 \text{ ft}^3)$

All runoff at Analysis Point "" will be discharged into an underground storm drain system (see offsite Drainage mep for location) which will connect to the existing 30" RCP Kirtland Detention Basin North Basin Drain. This storm drain system will be constructed with the development of the future phases of the park

CITY OF ALBUQUERQUE



1

May 1, 2009

Scott McGee, P.E.

Isaacson & Arfman, P.A.

128 Monroe Street N.E.

Albuquerque, NM 87108

Re: Phil Chacon Park Ph VIII, 1100 Louisiana Blvd. SE,

Approval of Permanent Certificate of Occupancy, (L-19/D045)

Engineer's Stamp Dated: 5-12-06

Certification Stamp Dated: 4-29-09

Dear Mr. McGee,

PO Box 1293

Based upon the information provided on 4/30/09, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

NM 87103

Timothy E. Sims

Sincerely

www.cabq.gov

Plan Checker-Hydrology, Planning Dept Development and Building Services

C: CO Clerk—Katrina Sigala file

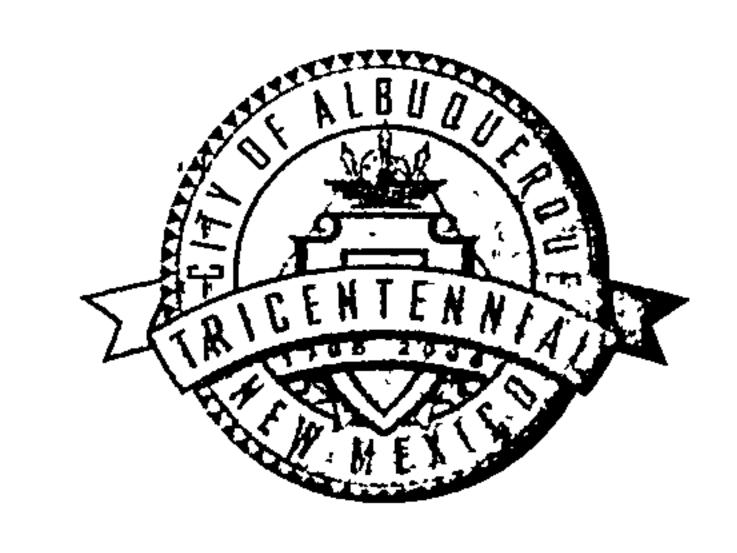
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (Rev. 12/05)

PROJECT TITLE: NM VETS MEMORIAL PARK MAINT. DRB#: EPC#:	YARD STORAGE BUILDING ZONE MAP/DRG.FILE# L-19/DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
LEGAL DESCRIPTION: A PORTION OF THE CITY ADDRESS:	'FEDERAL AID LOOP'
ENGINEERING FIRM: <u>ISAACSON AND ARFMAN</u> ADDRESS: <u>128 MONROE N.E.</u> CITY, STATE: <u>ALBUQUERQUE, NM</u>	CONTACT: SCOTT MCGEE PHONE: 268-8828 ZIP CODE: 87108
OWNER: COA ADDRESS: CITY, STATE:	CONTACT:PHONE:PODE:
ARCHITECT: CHERRY SEE REAMES ADDRESS: 220 A GOLD SW CITY, STATE: ABQ, NM	CONTACT: TINA REAMES PHONE: 842-1278 ZIP CODE: 87102
SURVEYOR: ADDRESS: CITY, STATE:	CONTACT: PHONE: ZIP CODE:
CONTRACTOR: ADDRESS: CITY, STATE:	CONTACT: PHONE: ZIP CODE:
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN 1st SUBMITTAL DRAINAGE PLAN RESUBMITTAL CONCEPTUAL G & D PLAN GRADING PLAN EROSION CONTROL PLAN	CHECK TYPE OF APPROVAL SOUGHT: SIA/FINANCIAL GUARANTEE RELEASE RELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D APPROVAL S. DEV. FOR BLDG. PERMIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL
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)	UNDATION PERMIT APPROVAL BUILDING PERMIT APPROVAL CRTIFICATE OF OCCUPANCY (PERM) CRTIFICATE OF OCCUPANCY (TEMP) GADING PERMIT APPROVAL PAVING PERMIT APPROVAL WORK ORDER APPROVAL OTHER (PLOINT)
WAS A PRE-DESIGN CONFERENCE ATTENDED: YES NO COPY PROVIDED SUBMITTED BY: SCOTT MCGEE	APR 3 0 2009 HYDROLOGY SECTION
Isaacson & Arfman, P.A.	DAID, 4/27/07

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.

CITY OF ALBUQUERQUE



August 25, 2006

Scott McGee, P.E. Isaacson & Arfman, P.A. 128 Monroe St. NE Albuquerque, NM 87108

Re: Phil Chacon - New Mexico Veterans Memorial Park, Grading and

Drainage Master Plan

Engineer's Stamp dated 8-08-06 (L19-D45)

Dear Mr. McGee,

Based upon the information provided in your submittal received 8-09-06, the above referenced plan is approved for Master Plan requirements. Please note that a site specific grading and drainage plan will need to be submitted for each phase of this project.

P.O. Box 1293

If you have any questions, you can contact me at 924-3981.

Albuquerque

New Mexico 87103

www.cabq.gov

Kristal D. Metro, P.E.

Sincerely,

Senior Engineer, Planning Dept.

Development and Building Services

C: File



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 22, 1999

Jeff Mortensen, PE Jeff Mortensen & Associates, Inc 6010-B Midway Park Blvd. NE Albuquerque, NM 87109

Aspen Ridge Apartments Conceptual Grading and Drainage Plan Re:

Engineer's Stamp dated 11-04-99 (L19/D61)

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 11-5-99, the above referenced Conceptual Drainage Plan is acceptable. Direct discharge to Louisiana Blvd only will be allowed. If your final Site Plan requires discharging to Continental Loop, a hydrologic and hydraulic analysis of that road will be required.

If you have any questions, you can contact me at 924-3986

Bradley L. Bingham, PE

Hydrology Review Engineer

file

PROJECT TITLE: ASPEN RIDGE APARTMENTS ZO	NE ATLAS/DRNG. FILE #: L-19 006
DRB #: EPC #:	WORK ORDER #:
LEGAL DESCRIPTION: LOVELACE FOUNDATION T	1212T
CITY ADDRESS: LOUISIANA BOULEVARD S.E.	
ENGINEERING FIRM: TWA	CONTACT: GRAEME MEANS
ADDRESS: 6010-13 MIDWAY PARK BLUD N.E.	PHONE: 345-4250
OWNER: KAUFMAN + BROAD MULTIHOUSING 320 GOLDEN SHORE SUITE 200 ADDRESS: LONG BEACH, CA 90802	CONTACT: PATRICK_51MONS
ADDRESS: LONG BEACH, CA 90802	PHONE: 562-256-2024
ARCHITECT: CONTACT OWNER	CONTACT:
ADDRESS:	PHONE:
SURVEYOR: TMA	CONTACT: Chuck-Cala
ADDRESS:	PHONE: 345-4250
CONTRACTOR: T.A. WALLICK	CONTACT: Deuny Gauman
ADDRESS:	PHONE: 239-8034
DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: ✓ YES NO COPY PROVIDED NOV 0 5 1999	SKETCH PLAT APPROVAL 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 DRAINAGE CONCEPT (SPECIFY)
DATE CHENTERS III	
DATE SUBMITTED: 11/04/9	
BY: T. Graeme Means	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT DEVELOPMENT SERVICE / HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO. L-19

PLANNING DIVISION NO'S: EPC: ZONING:R-3

SUBJECT: Aspen Plaza Apts

STREET ADDRESS (IF KNOWN):

SUBDIVISION NAME: Lovelace Foundation

APPROVAL REQUESTED: Building Permit

ATTENDANCE:

Fred J. Aguirre-City Hydrologist

Graem Means

FINDINGS:

An approved drainage plan is required for building permit approval. The drainage concept for this infill site could be a qualitative approach in which you would address the information below. If you can demonstrate that this infill development will have a negligible impact on the downstream drainage system, free discharge would be acceptable.

- a comparison of the proposed development to its overall drainage basin with respect to area and/or the relationship of the increased runoff to the existing basin's runoff. The AMDS Drainage Study can be used for basin information.
- impacts on downstream flood plains
- potentials offsite problems created by this development -in other words, will this development have an adverse affect on adjacent properties with respect to drainage
- the downstream affect resulting from the development of the remaining infill sites using the same concept.
- discuss any recent downstream storm drain improvements

THE UNDERSIGNED AGREES THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THEY ARE NOT REASONABLE OR THAT THEY ARE BASED ON INACCURATE INFORMATION.

SIGNED: Fred J. Aguirre
TITLE: City Hydrologist

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH YOUR DRAINAGE SUBMITTAL.

HYDROLOGY SECTION

DATE: 7/29/99

DRB: