



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 27, 1995

Mark Goodwin
Mark Goodwin & Assoc. PA
PO Box 90606
Albuquerque, NM 87199

RE: FOUR HILLS VILLAGE SHOPPING CENTER (L-22/D33A) ENGINEER'S STAMP
DATED 2/7/95

Dear Mr. Goodwin:

Based upon the information contained in your 2/7/95 resubmittal and from our meeting of 2/24/95, I will not be able to authorize either Paving or Building Permit approval at this time.

Per our 2/24/95 meeting, it is my understanding that you will investigate further a potential gravity flow storm drain system from the onsite pond outfall to the existing system in Central Avenue. Unless I hear from you, I will anticipate a resubmittal with design information pertinent to the proposed Central Avenue outfall line.

I can be reached at 768-3622.

Sincerely,

Scott Davis
PWD, Hydrology Division

c: Andrew Garcia
file`



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

July 21, 1986

David Thompson, P.E.
Bohannon-Huston, Inc.
7500 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: DRAINAGE & GRADING PLAN SUBMITTAL OF FOUR HILLS VILLAGE
SHOPPING CENTER RECEIVED JUNE 30, 1986 FOR BUILDING PERMIT
APPROVAL (L-22/533A1)

Dear Dave:

The above referenced submittal dated June 24, is approved for building permit.

Include a copy of this plan with the construction sets prior to routing to Hydrology for sign-off.

If you have any questions, call me at 766-7644.

Sincerely,

Roger A. Green, P.E.

Roger A. Green, P.E.
C.E./Hydrology Section

cc: George Reinhart

RAG/bsj

THIS DOCUMENT IS NOT FOR RELEASE

FOR OFFICIAL USE ONLY

ENGINEERING DIVISION

Telephone (505) 766-7467

AN EQUAL OPPORTUNITY EMPLOYER



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

January 28, 1987

David Thompson, P.E.
Bohannon-Huston, Inc.
7500 Jefferston Street, NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR FOUR HILLS VILLAGE SHOPPING CENTER
PHASE II (L-22/D33A1) ENGINEER'S STAMP DATED JANUARY 21, 1987

Dear Dave:

Based on the information provided on your resubmittal of, January 23, 1987, revisions as indicated are acceptable.

Please be advised that prior to Phase III construction, we will need a revised plan showing how the as-built conditions from Phase II will interact with Phase III.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

RATIONAL METHOD FOR EXISTING PEAK 10 & 100 YR RUNOFF

Area = 1.45 acres

100% undeveloped, $C = 0.40$

$T_c = 10 \text{ min.}$

$I_{10} = 3.47 \text{ in/hr}$

I

USE RATIONAL METHOD TO FIND
PEAK RUNOFF (100 yr)

AREA = 1.45 ACRES

70% PAVED $C = .95$

30% LANDSCAPED $C = .25$

COMPOSITE $C = .95(.70) + .25(.30) = .74$

$T_C = 10</$

USE SCS METHOD TO FIND RUNOFF VOLUME
(100 yr)
 $T_c = .0078 \frac{L^{0.77}}{S^{.385}}$

$L = 420$ feet
 $S = .0226$ ft/ft

$T_c = 3.5$ min USE 10 MIN

CN DETERMINATION

HYDROLOGIC SOIL GROUP B

HYDROGRAPH COMPUTATION WORKSHEET

DATE _____
 COMPUTED BY _____
 CHECK BY _____

PROJECT	(t/T _p)	t (min.)	y	Q (cfs)
FOUR HILLS	1	0	0	0
LOCATION	2	.1	.03	

PARKING LOT POND SIZE AND DISCHARGE PIPE SIZE

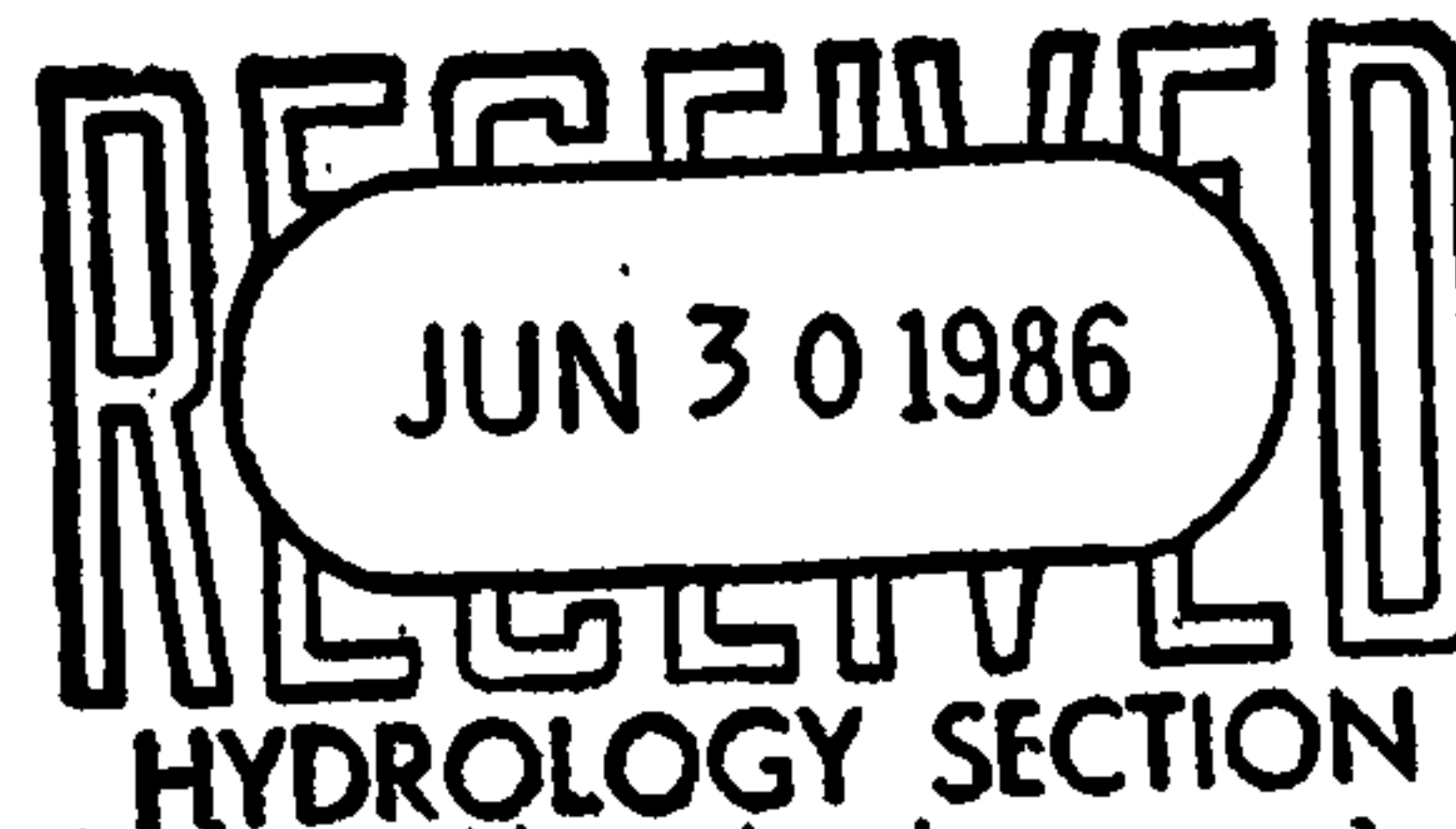
MAXIMUM POND DEPTH 1.5'

MAXIMUM DISCHARGE PIPE 4" DIA

FROM THE ORIFICE EQUATION

MAXIMUM DISCHARGE FROM POND IS

$$Q = CA \sqrt{2gh}$$



PURPOSE

The purpose of this report is to outline the drainage plan for the development of a 1.45 acre parking lot. Chapter 22 of the Development Process Manual (DPM) has been used to develop this plan.

SITE LOCATION AND DESCRIPTION

Area (Acre)	% Impervious	"C" Factor	Intensity 10 yr	(in/hr) 100 yr	(cfs) Flowrate	
					10 yr	100 yr
1.45	70	.74	3.47	5.28	3.72	5.67

Flows from the parking area will be routed to a detention pond at the southwest corner of the site. A 1.5' concrete wall is located along the west side of the pond. Utilizing the SCS method, the runoff volumes were calculated to be 3,421

1 URER'S DAILY REPORT OF DEPOSITS

DEPOSITOR	DESCRIPTION	ACCOUNT/ ACTIVITY	AMOUNT
G + L ENGINEERING FOR TRAM HILLS GIBSON LLC 3535 PRINCETON NE ALBU. N.M. 87107	REVOCABLE PERMIT Proj. #5348: R.P.		200 00
CASHIERS CHECK FROM SUNWEST BANK #195836 DATED JAN 11, 1995			

17. Assignment. The Permittee shall not assign any interest in this Agreement and shall not transfer any interest in this Agreement (whether by assignment or novation).

18. Notice. For purposes of giving formal written notice to the Permittee, the Permittee's address is:

3535 Princeton NE

Albuquerque, NM 87107

Phone No. 884-6234

1976

IN WITNESS WHEREOF, the City and the Permittee have executed this Permit Agreement the day and year first above written.

CITY OF ALBUQUERQUE

Approved By:

Robert E. Gurule
Director, Public Works Dept.

Date: 2-6-96

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
05/27/1998

PRODUCER (505)888-4520 FAX (505)837-1620
Western States Insurance
3655 Carlisle NE
Albuquerque, NM 87110

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

ADDENDUM TO COVER PAGE

1-22-96
(Date)

TO: Kevin Curran, Assistant City Attorney, Legal Department

FROM: Project Administrator, Project Review Sec., PWD

SUBJECT: PROJECT TITLE: FOUR HILLS VILLAGE SHP. CTR PROJECT # 5348.RP
(BURGER KING/TEXACO)

CONTRACT CONTROL FORM

PRELIMINARY REVIEW

Contact Person TERRI MARTIN
Phone No. 768-2561

Project # 5348.88
CCN # 9600992
New or Ext. # _____

1976

IN WITNESS WHEREOF, the City and the Permittee have executed this Permit Agreement the day and year first above written.

CITY OF ALBUQUERQUE

Approved By:

Robert E. Gurule
Director, Public Works Dept.

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TO: Kevin Curran, Assistant City Attorney, Legal Department

FROM: Project Administrator, Project Review Sec., PWD

SUBJECT: PROJECT TITLE: FOUR HILLS VILLAGE SHP. CTR PROJECT # 5348.RP
(BURGER KING/TEXACO)

CONTRACT CONTROL FORM

PRELIMINARY REVIEW

Contact Person TERRI MARTIN
Phone No. 761-2361

Project # 5348.88
CCN # 9600992
New or Ext. # _____

TREASURER'S DAILY REPORT OF DEPOSITS

DEPOSITOR	DESCRIPTION	ACCOUNT/ ACTIVITY	AMOUNT
G + L ENGINEERING FOR TRAN HILLS GIBSON LLC 3535 PRINCETON NE ALBU. N.M. 07107	REVOCABLE PERMIT Proj. #5348.RP.		200 00
CASHIERS CHECK FROM SUNWEST BANK # 195836 DATED JAN 11, 1995			
	</		

FILE COPY



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P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 76

DRAINAGE INFORMATION SHEET

PROJECT TITLE: FOUR HILL VILLAGE SHOPPING CENTER ZONE ATLAS/DRNG. FILE #: L22-D33 A1
 LEGAL DESCRIPTION: TRACTS A, B, C, D, G, + H FOUR HILLS VILLAGE
 CITY ADDRESS: CENTRAL AVENUE SE

ENGINEERING FIRM: BOHANNAN-HUSTON CONTACT: DAVE THOMPSON

ADDRESS: 7500 JEFFERSON NE PHONE: 823



BOHANNAN-HUSTON INC.

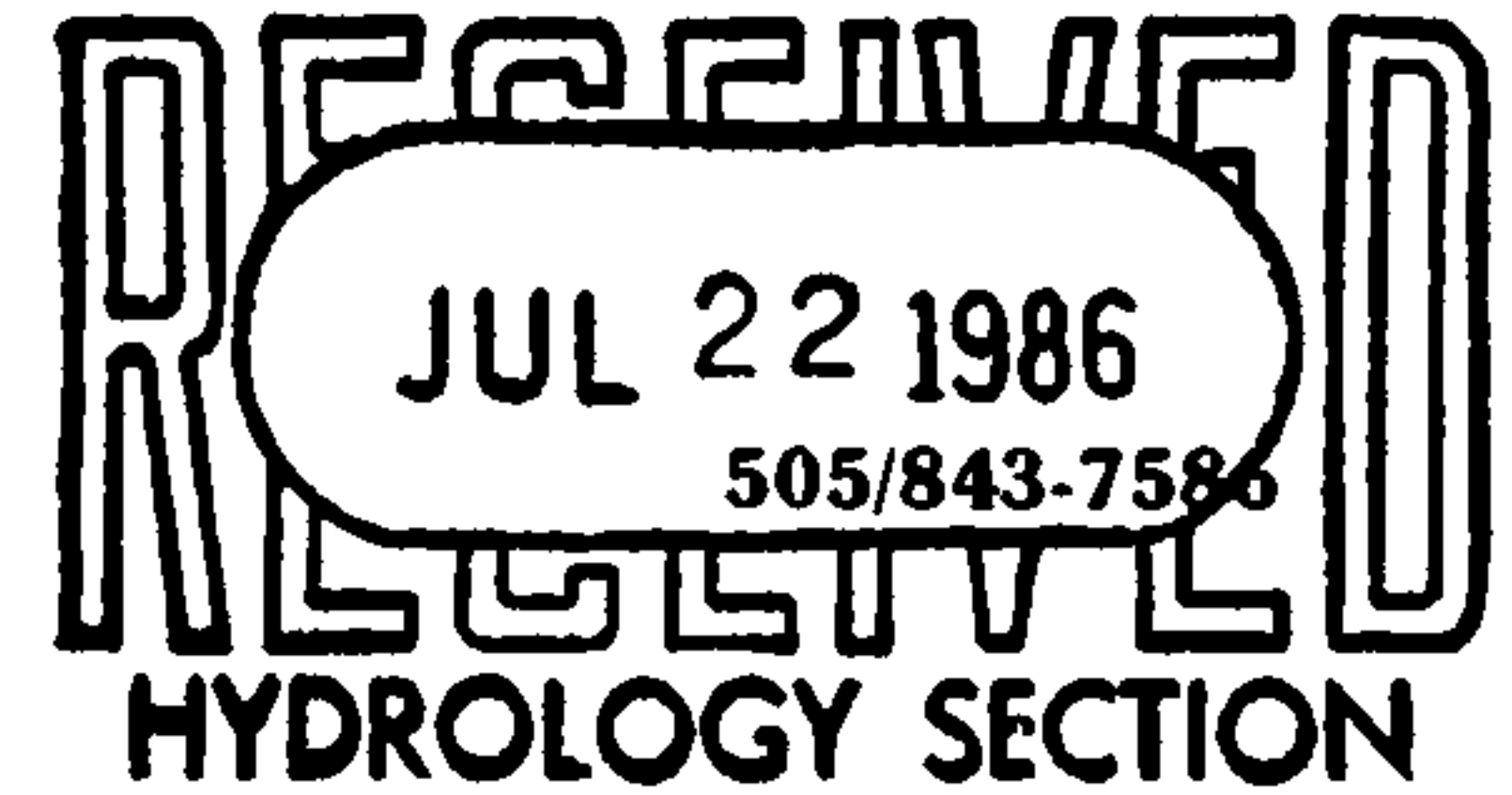
Courtyard I 7500 Jefferson Street, N.E. Albuquerque, NM 87109
(505) 823-1000

Transmittal

To: CITY HYDROLOGY
4th FLOOR OLD CITY HALL
BLDG

CROW-WESTERN COMPANY
ALBUQUERQUE, NEW MEXICO 87102

40 FIRST PLAZA NW, SUITE 65



FILE COPY



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123 Central NW, Albuquerque, NM 87102
(505) 766-7644



BOHANNAN-HUSTON INC.

Courtyard I 7500 Jefferson Street, N.E. Albuquerque, NM 87109
(505) 823-1000

Transmittal

To: City of Albuquerque
RECEIVED
JUN 30 1986
HYDROLOGY SECTION