

PUBLIC WORKS DEPARTMENT
SIDEWALK & DRIVEPAD INSPECTION

APPROVED

[Handwritten Signature]

Inspector

Phone

Permits
768-2551

Dispatch
857-8025

Insp. Office
857-8036

Time _____
Location S315 Wagonway
Contractor CHAVEZ
Date _____ Permit No. 2017468

DRAINAGE INFORMATION

PROJECT TITLE: Burger King - Wyoming ZONE ATLAS/DRNG. FILE #: F-19/D36
DRB#: 98-213 EPC #: WORK ORDER #:
LEGAL DESCRIPTION: Tract "B", Block 1, American Heritage North Unit 3
CITY ADDRESS: 5315 Wyoming Blvd. NE
ENGINEERING FIRM: Chavez-Grieves CONTACT: Joseph DeFronzo
ADDRESS: 5639 Jefferson NE PHONE: 344-4080
OWNER: M&M Bros. Inc. CONTACT: Tom McCollum
ADDRESS: 11000 Bermuda Dunes NE Alb. 87111 PHONE: 292-5744
ARCHITECT: Nims-Calvani CONTACT: Myron Saldyt
ADDRESS: 525 San Pedro NE Ste. 110 PHONE: 255-6400
SURVEYOR: Harris Surveying CONTACT: Anthony Harris
ADDRESS: 2412 Monroe St. NE PHONE: 889-8056
CONTRACTOR: Gerald Martin CONTACT: Bob Cardenes
ADDRESS: 8501 Jefferson NE PHONE: 828-1144

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☒ ENGINEER'S CERTIFICATION
☐ OTHER

PRE-DESIGN MEETING:

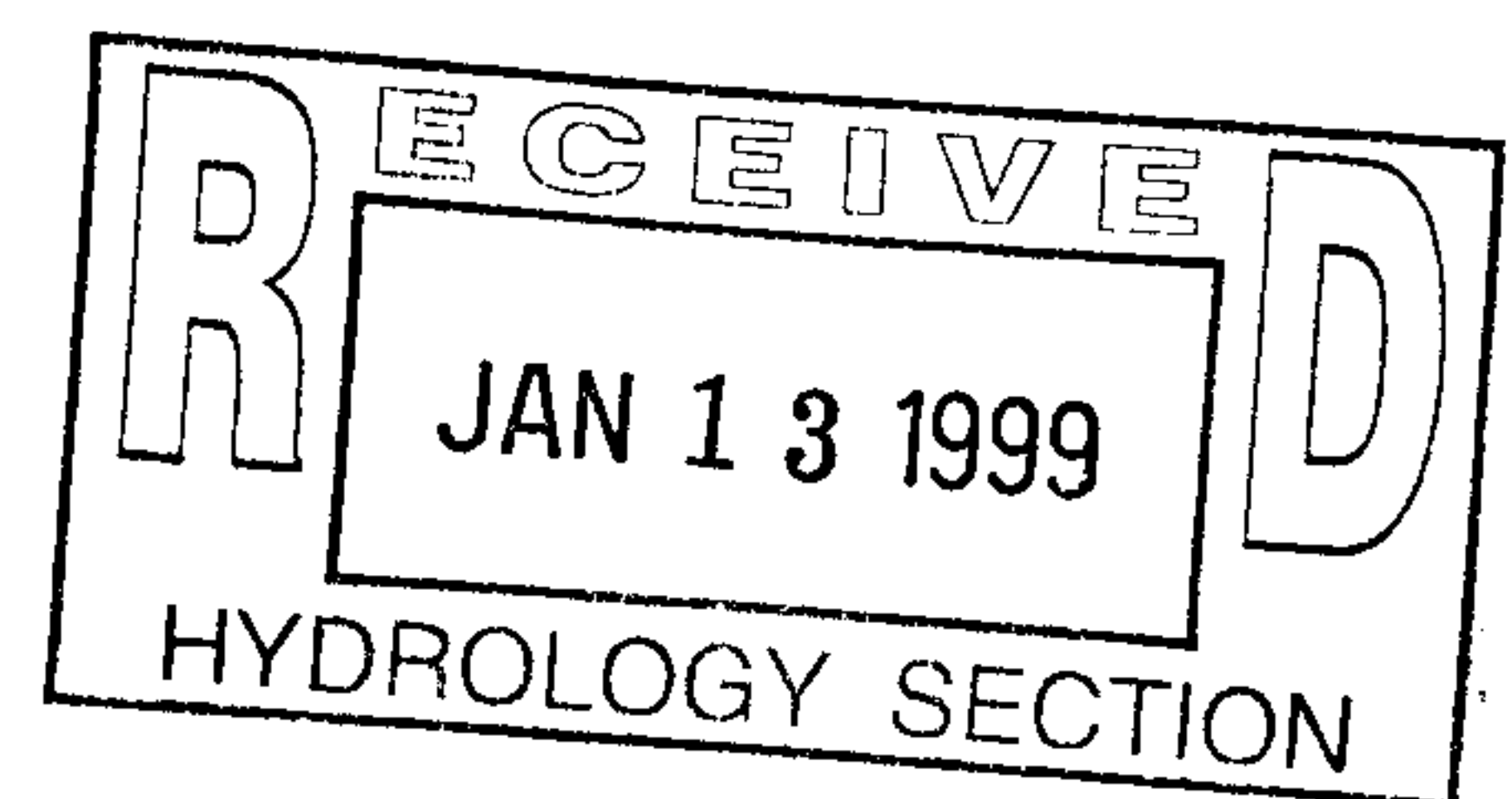
☐ YES
☒ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PRMT. 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

DATE SUBMITTED: January 13, 1999

BY: Joseph DeFronzo





September 8, 1998

Chris Ersham
Chavez-Grieves Engineering
5639 Jefferson NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR BURGER KING @ WYOMING & SPAIN
(F19-D36) REVISION DATED 8/5/98

Dear Ms. Ersham:

Based on the information provided on your August 6, 1998 resubmittal, the above referenced site is approved for Building Permit

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, a separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

If I can be of further assistance, please feel free to contact me at 924-3986.

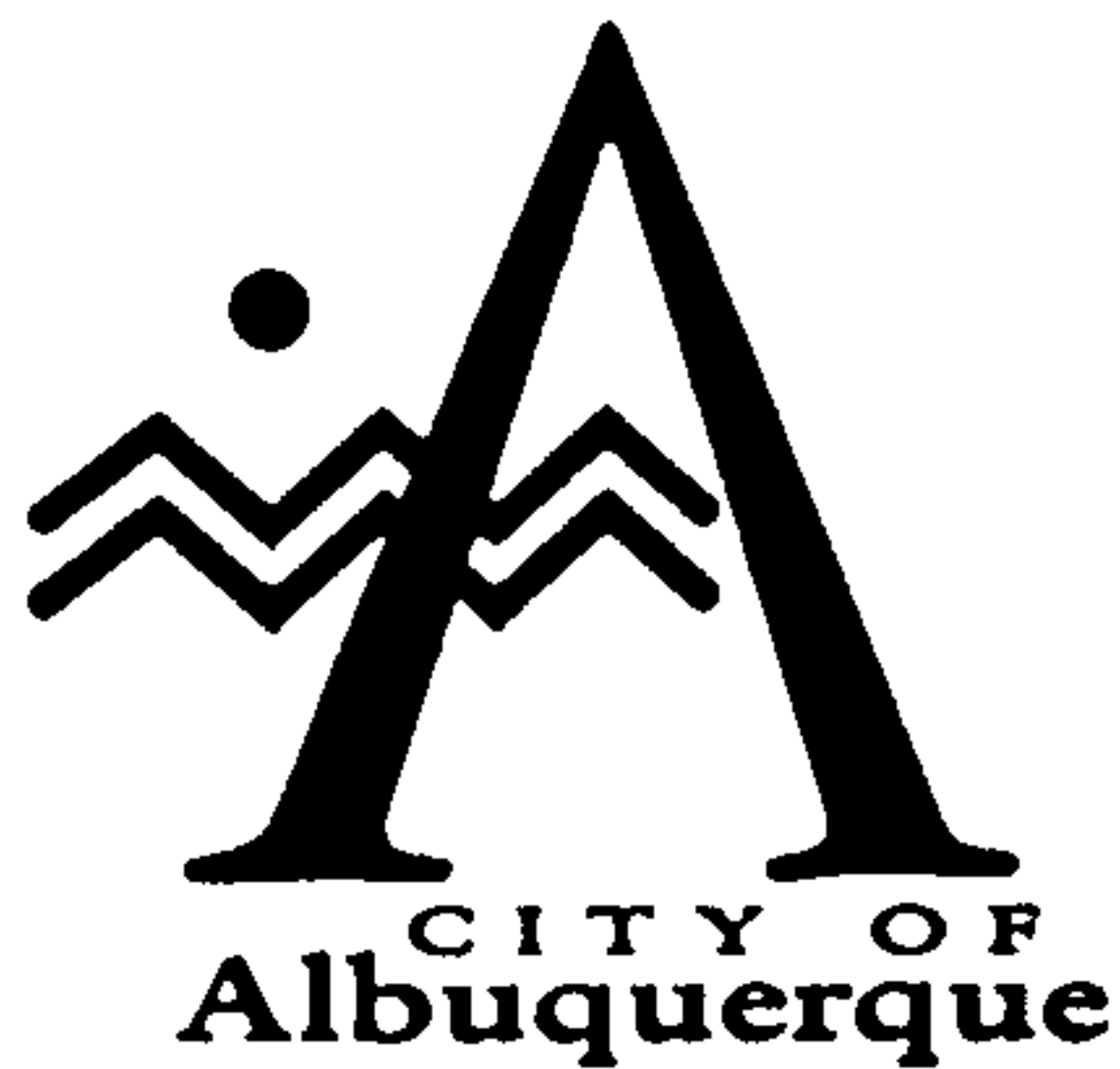
C: Andrew Garcia
Arlene Portillo
☐ File

Sincerely

Bernie J. Montoya CE
Associate Engineer

Good for You, Albuquerque!





July 9, 1998

Chris Ersham
Chavez-Grieves Engineering
5639 Jefferson NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR BURGER KING @ WYOMING & SPAIN
(F19-D36) REVISION DATED 6/1/98

Dear Ms. Ersham:

Based on the information provided on your June 15, 1998 resubmittal, listed are some concerns that will need to be addressed prior to final approval:

1. Six notes from the DPM checklist for the SO19 format on the plan drawing.
2. Why are you ponding the run-off?
3. According to your plan drawing, you indicate that all the run-off will be discharged onto Heritage Court NE thru the proposed rundown. I am confused in that you identify ponding yet you have the rundown.
4. Your narrative indicates two eight inch pipes, where are they on the plan drawing?
5. I need the hydraulics for the proposed rundown, will it carry the developed run-off?
6. Please check your drivepads for the required one foot water block.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya
Bernie J. Montoya CE
Associate Engineer

Good for You, Albuquerque!



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

11
11
11
11

September 8, 1998

INTEROFFICE CORRESPONDENCE

HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division
FROM: Bernie J. Montoya CE, Engineer, PWD
SUBJECT: **PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY
DRAINAGE FILE NUMBER (F19-D36).**

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 would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation and if you should have any questions and/or comments, please feel free to call me at 924-3984.

Attachment

DRAINAGE INFORMATION

PROJECT TITLE Burger King Wyoming ZONE ATLAS/DRNG. FILE #: F-19-Z
 DRB#: 98-213 EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: Tract "B", Block 1, American Heritage North Unit 3
 CITY ADDRESS: 5315 Wyoming Blvd NE
 ENGINEERING FIRM: Chavez-Grievies Inc. CONTACT: Chris Ehrson
 ADDRESS: 5639 Jefferson St. N.E. PHONE: 344-4080
 OWNER: M&M Bros. Inc. CONTACT: ~~Myron~~ Tom McGillua
 ADDRESS: 11000 Bermuda Dunes N.E. PHONE: 292-5744
 ARCHITECT: Nims Calverly & Assoc. AUB. 87111 CONTACT: Myron Soldyt
 ADDRESS: 525 San Pedro NE St. 110 PHONE: 255-6400
 SURVEYOR: Harris Surveying CONTACT: Anthony Harris
 ADDRESS: 2412 Monroe St. NE PHONE: 889-8056
 CONTRACTOR: Gerald Martin CONTACT: Bob Cardenes
 ADDRESS: 8501 Jefferson NE. PHONE: 828-1144

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

PRE-DESIGN MEETING:

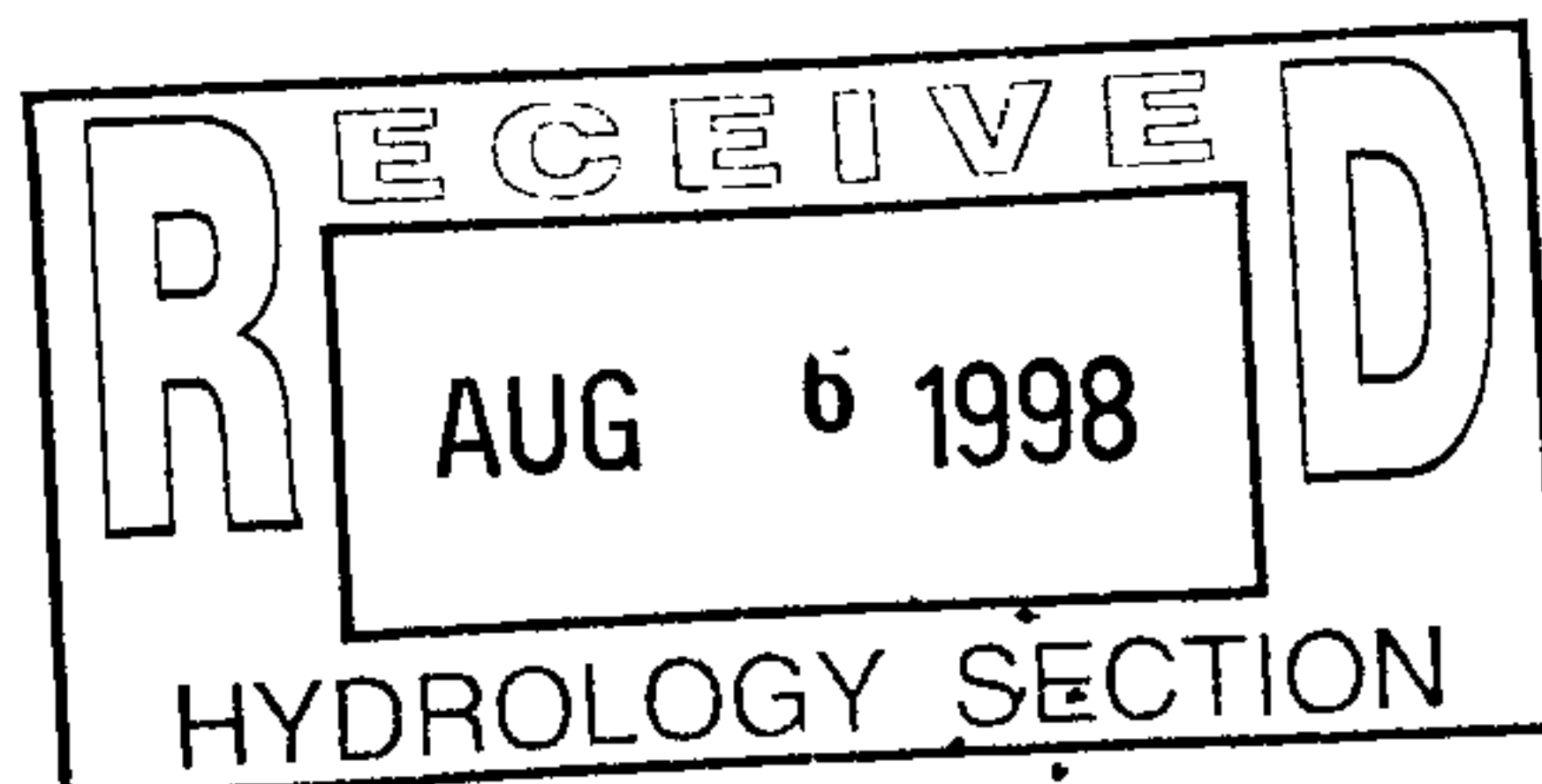
☐ YES
☐ NO
☐ COPY PROVIDED

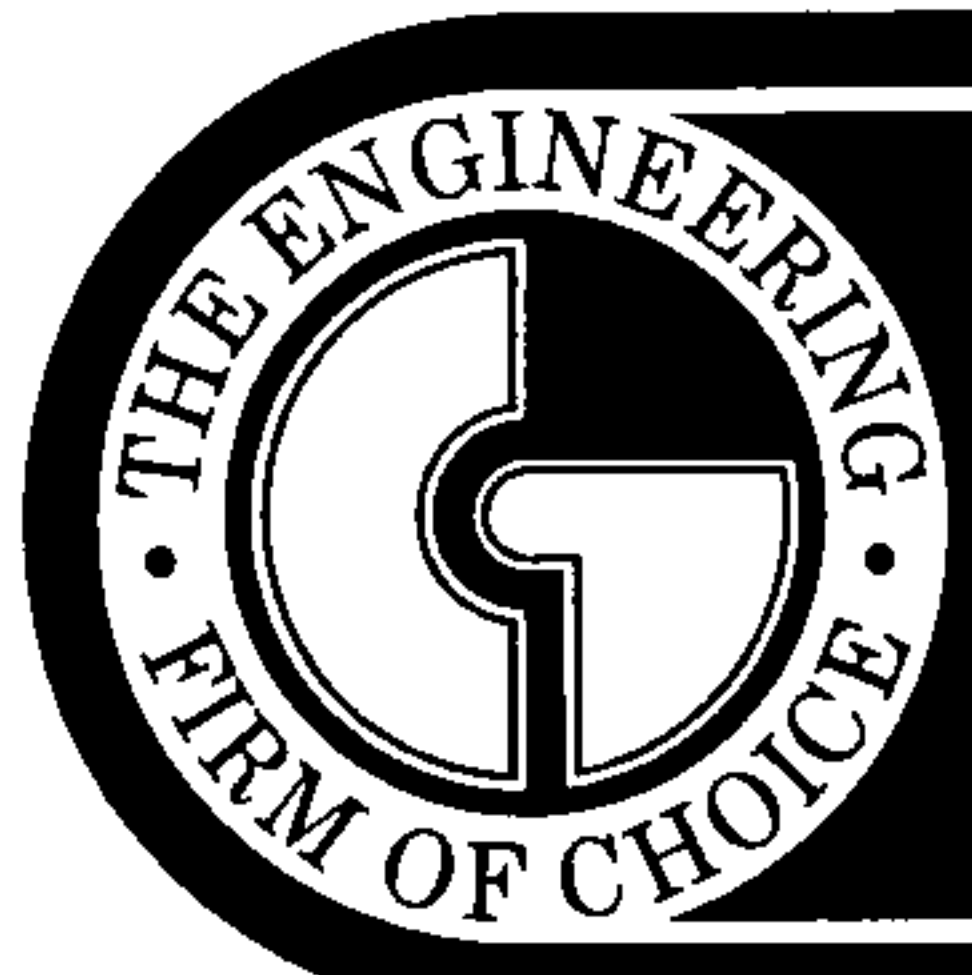
DATE SUBMITTED: _____

BY: _____

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PRMT. APPROVAL
☐ SECTOR PLAN APPROVAL
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☐ FOUNDATION PERMIT APPROVAL
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☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)





CHAVEZ • GRIEVES

CONSULTING ENGINEERS, INC.

5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

August 5, 1998

Mr. Bernie J. Montoya CE
City of Albuquerque Hydrology
P.O. Box 1293
Albuquerque, NM 87103

**RE: DRAINAGE REPORT AND GRADING AND DRAINAGE PLAN
BURGER KING @ WYOMING AND SPAIN (F19/P36)
ALBUQUERQUE, NEW MEXICO**

Dear Mr. Montoya:

Transmitted herewith for building permit approval, is the grading and drainage plan revised per your comments dated July 9, 1998. Your comments are addressed as follows:

1q. *Six notes from the DPM checklist for the SO19 format on the plan drawing.*

1a. **The notes are on the plan sheet.**

2q. *Why are you ponding the run-off?*

2a. **This is what was presented on the Conceptual Grading Plan. The reason is so that the developed flows discharge into Heritage Court will be released at the same flowrate as the undeveloped through a sidewalk culvert.**

3q. *According to your plan drawing, you indicate that all the run-off will be discharged onto Heritage Court NE thru the proposed rundown. I am confused in that you identify ponding yet you have the rundown.*

3a. **We are channeling the runoff from the site to the concrete rundown then into the detention pond. From the detention pond, the run-off will be discharged to Heritage Court through a sidewalk culvert at the historical flow rate.**

4q. *Your narrative indicates two 8" pipes, which are they on the plan drawing?*

4a. **We have eliminated the pipes all together now.**

5q. *I need the hydraulics for the proposed rundown, will it carry the developed run-off?*

5a. We have included the hydraulics for the rundown with this submittal. Yes it is capable of carrying the developed run-off.

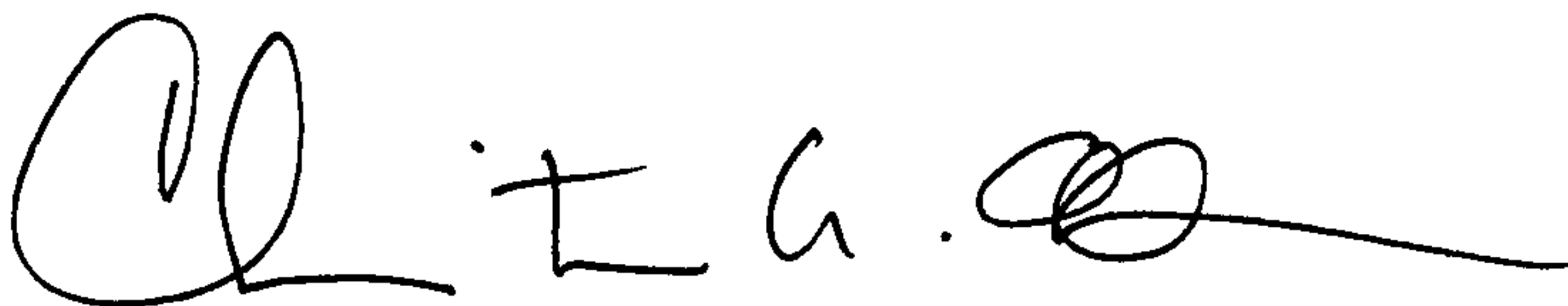
6q. *Please check your drive pads for the required one foot water block.*

6a. We are matching the existing grades at the 15' access easement along the northern property lines. We will have a water block between the gas station to the south and our property.

If you have any questions or concerns, please call me.

Sincerely,

CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Christina A. Ehram', with a stylized flourish at the end.

Christina A. Ehram, E.I.
Project Manager

CAE/cmte

Worksheet

Worksheet for Rectangular Channel

Project Description	
Project File	c:\haestad\fmw\burger k.fm2
Worksheet	BK-RUNDOWN
Flow Element	Rectangular Channel
Method	Hazen-Williams Formula
Solve For	Discharge

Input Data		
C Coefficient	140.0	
Channel Slope	0.050000	ft/ft
Depth	0.50	ft
Bottom Width	2.00	ft

Results		
Discharge	18.32	cfs
Flow Area	1.00	ft ²
Wetted Perimeter	3.00	ft
Top Width	2.00	ft
Critical Depth	1.38	ft
Critical Slope	0.004024	ft/ft
Velocity	18.32	ft/s
Velocity Head	5.22	ft
Specific Energy	5.72	ft
Froude Number	0.00	

DRAINAGE INFORMATION SHEET

APPLICANT'S NAME: MYRON SALOY ZONE ATLAS/DRNG. FILE #: F-192 36

DRB #: 98-213 EPC #: Z-97-42 WORK ORDER #: _____

LEGAL DESCRIPTION: LOT B, BLOCK 1 AMERICAN HERITAGE NORTH UNIT 3

CITY ADDRESS: 5315 WYOMING BLVD. NE.

ENGINEERING FIRM: CHAVEZ/GRIEVES CONTACT: CHAS ERSHAM

ADDRESS: 5639 JEFFERSON NE. ALB. PM. 87109 PHONE: 344-4080

OWNER: TOM McCOLLUM/BURGER KING CONTACT: TOM McCOLLUM

ADDRESS: 11000 BERMUDA DOWNS, N.E. PHONE: _____

ARCHITECT: NIMS CALUANI & ASSOC. CONTACT: MYRON SALOY

ADDRESS: 525 SAN PEDRO NE. SUITE 110 PHONE: 255-6400

SURVEYOR: TONY HARRIS CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☒ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION
- ☐ OTHER _____

PRE-DESIGN MEETING:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

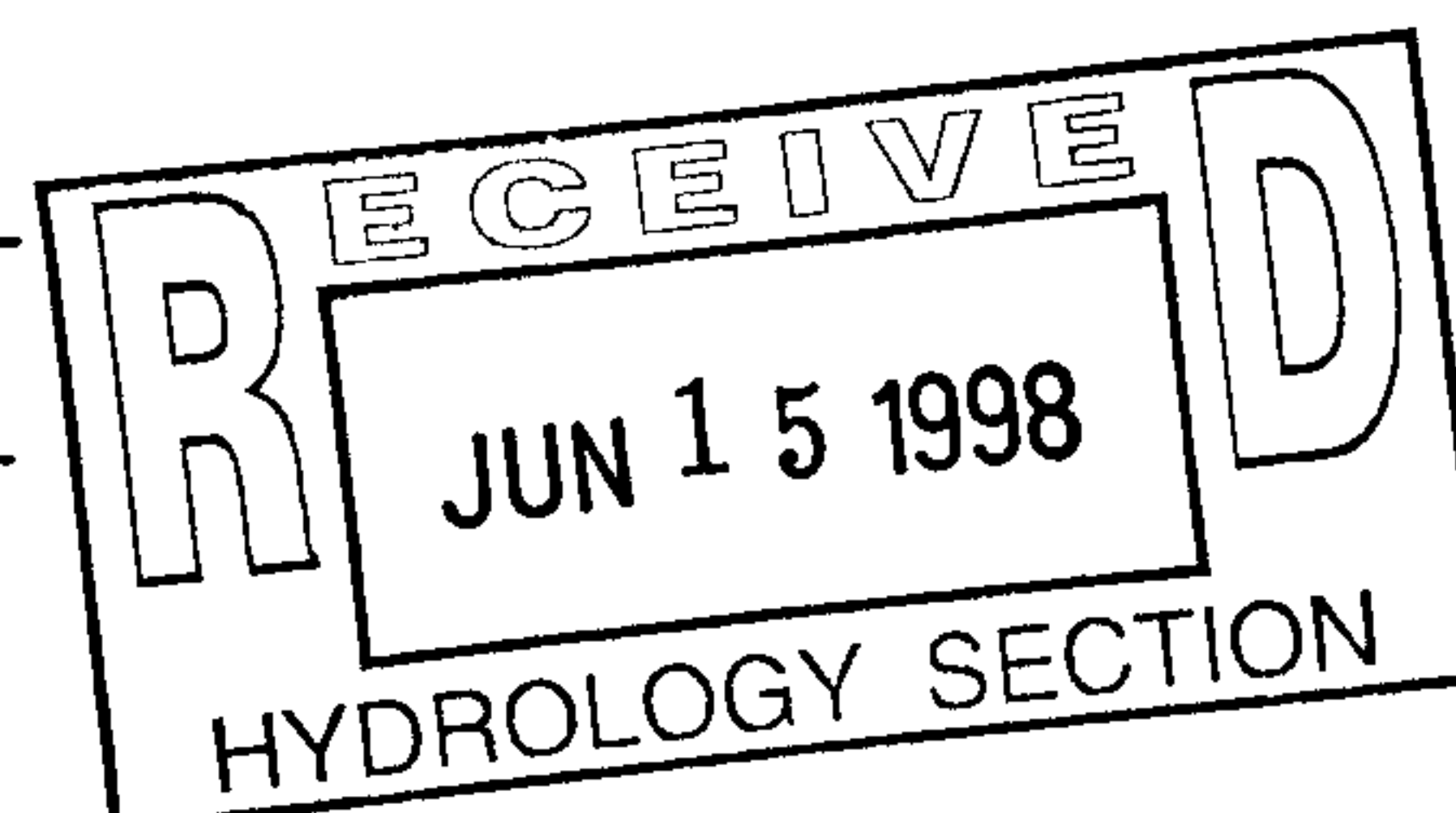
CHECK TYPE OF APPROVAL SOUGHT:

- ☐ 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
- ☐ SUBDIVISION CERTIFICATION
- ☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 6/10/98

BY: Myron Saloy

Revised 02/98





Martin J. Chávez, Mayor

Robert E. Gurulé, Director

April 3, 1997

Joseph L. DeFranzo
Chavez-Grieves
5639 Jefferson Street NE
Albuquerque, New Mexico 87109

RE: DRAINAGE PLAN FOR A BURGER KING (E19-D36) ENGINEER'S STAMP DATED
3/24/97

Dear Mr. DeFranzo:

Based on the information provided on your March 26, 1997, listed are some concerns that will need to be addressed prior to final approval:

1. Six notes and signature block from the SO19 format within the plan drawing. *no*
2. Close proximity of the proposed pond to the street pavement, please address.
3. Location and direction of the roof drains.
4. Identify the 100-year water surface elevation for the pond on the plan drawing.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia

File

Sincerely

Bernie J. Montoya
Bernie J. Montoya CE
Engineering Associate

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103



DRAINAGE INFORMATION SHEET

APPLICANT'S NAME: TOM McCOLLUM ZONE ATLAS/DRNG. FILE #: F-19 36

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT B, BLOCK 1 AMERICAN HERITAGE NORTH UNIT 3

CITY ADDRESS: _____

ENGINEERING FIRM: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: NIMS CALVANI & ASSOC CONTACT: MYRON SALDYTADDRESS: 525 SAN PEDRO NE SUITE 110 PHONE: 255-6400 FAX 268-6954

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

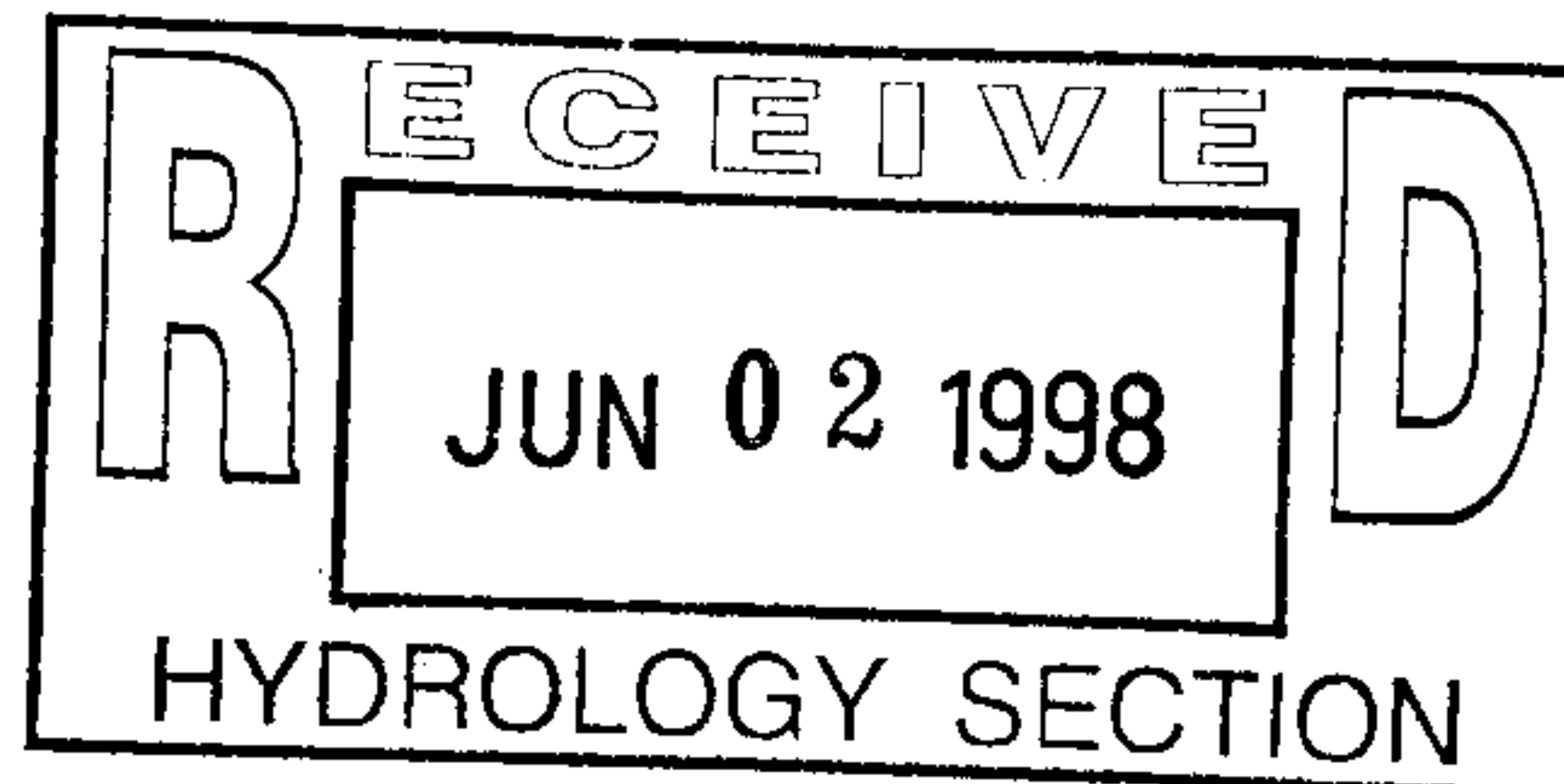
ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☒ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER _____

PRE-DESIGN MEETING:

- ☐ YES
☐ NO
☐ COPY PROVIDED



CHECK TYPE OF APPROVAL SOUGHT:

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☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☒ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
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☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAYING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ SUBDIVISION CERTIFICATION
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 6/2/98BY: Myron Saldyt

DRAINAGE INFORMATION

PROJECT TITLE: Burger King

ZONE ATLAS/DRNG. FILE #: F-19-Z ~~27~~ p36

DRB#: _____ EPC #: Z-9742 WORK ORDER #: _____

LEGAL DESCRIPTION: Tract "B" in Block Numbered One (1) of American Heritage North Unit 3

CITY ADDRESS: _____

ENGINEERING FIRM: Chavez-Grieves CONTACT: Jeanne Wolfenbarger

ADDRESS: 5639 Jefferson NE PHONE: 344-4080

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☒ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☒ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION
- ☐ OTHER

PRE-DESIGN MEETING:

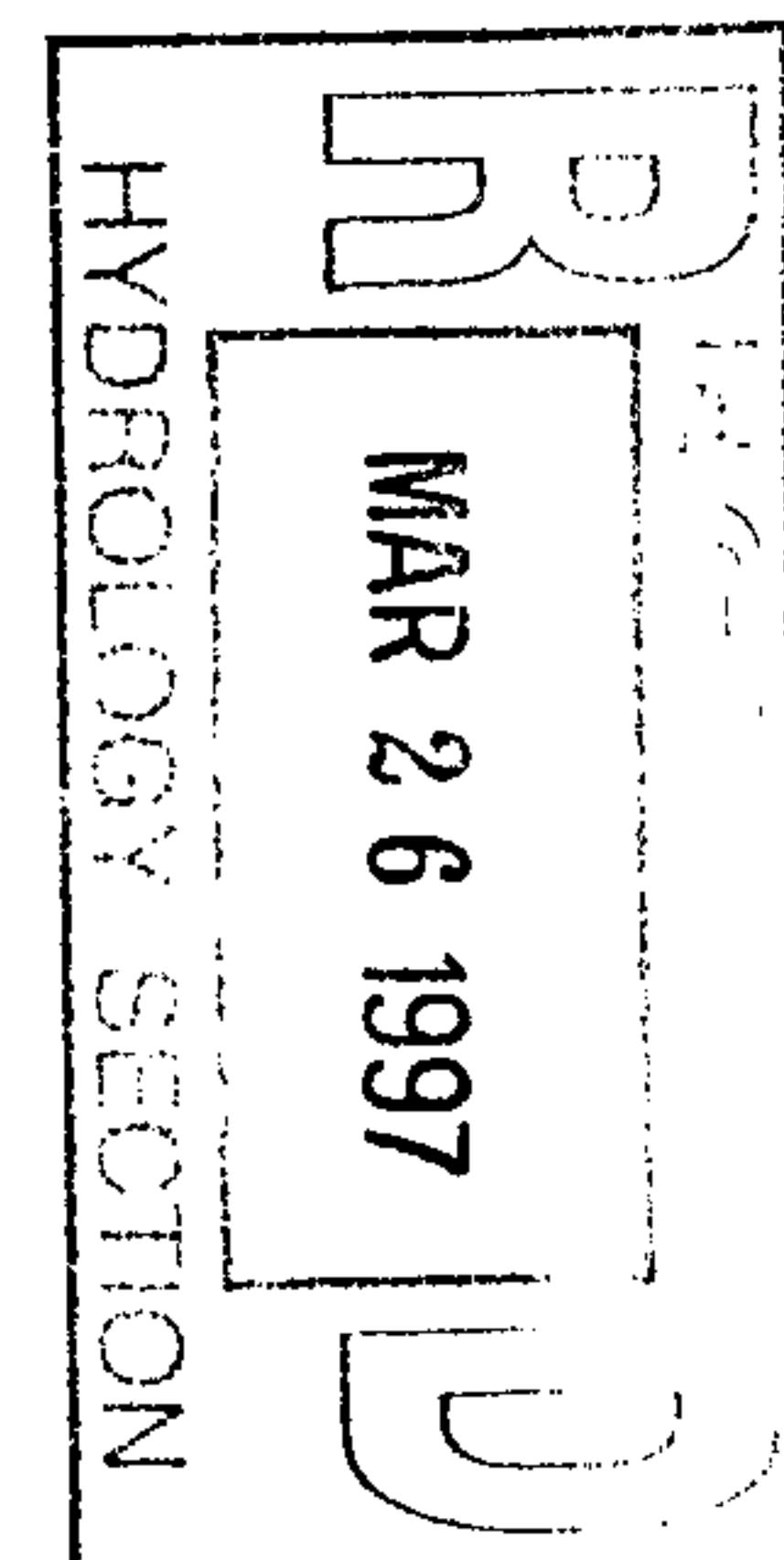
- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

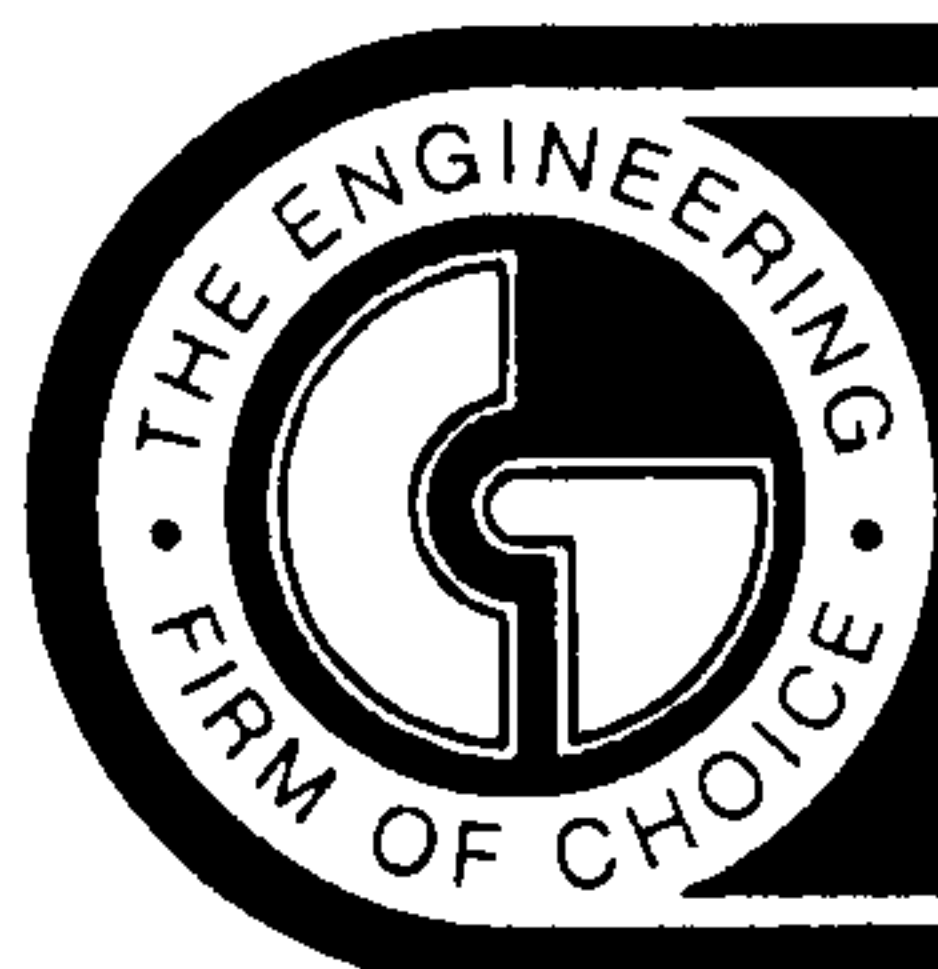
DATE SUBMITTED: March 25, 1997

BY: Jeanne Wolfenbarger, E.I.T.

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PRMT. APPROVAL
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- ☐ DRAINAGE REQUIREMENTS
- ☐ OTHER





CHAVEZ • GRIEVES
CONSULTING ENGINEERS, INC.

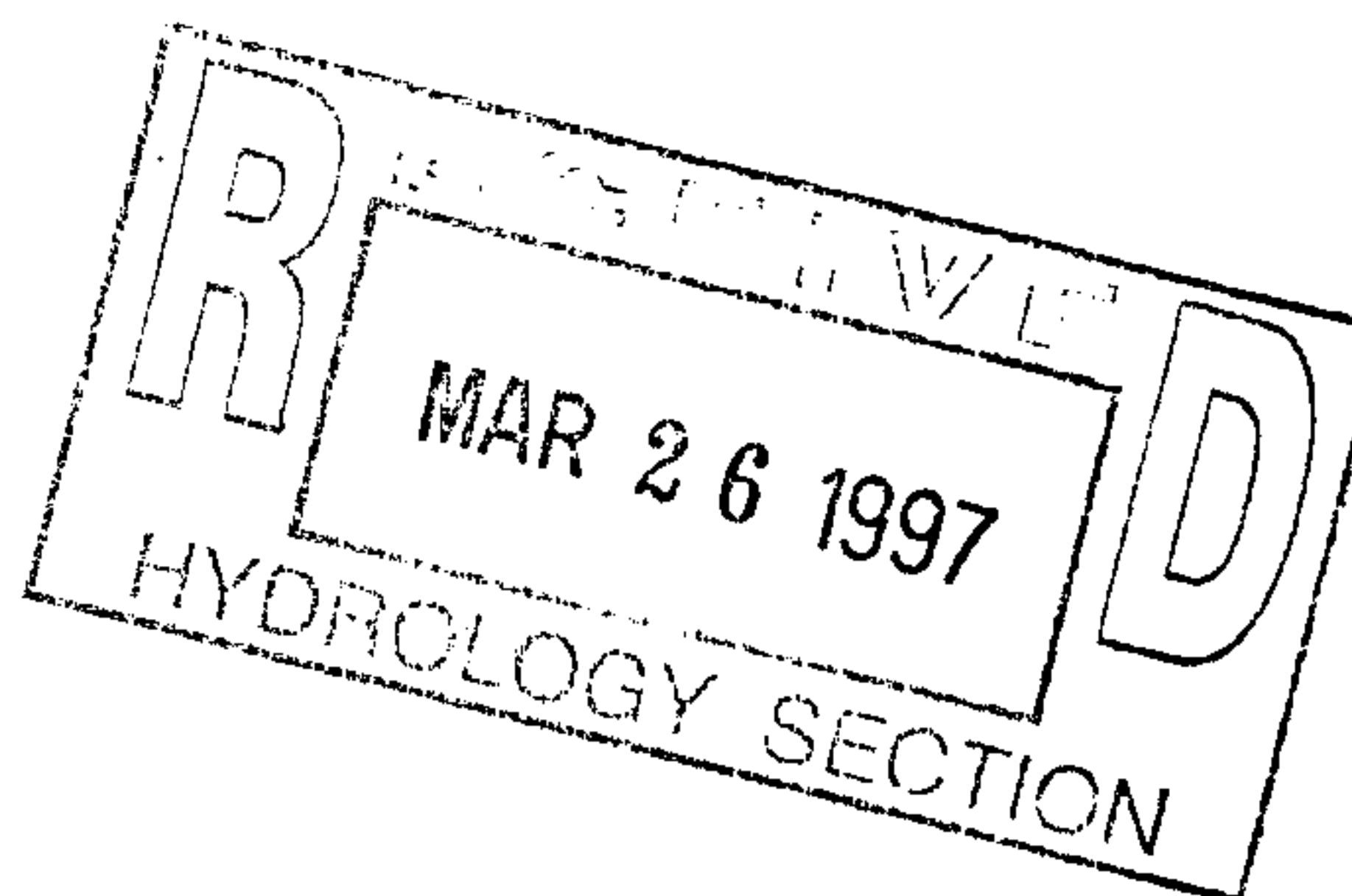
5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

DRAINAGE REPORT

FOR

BURGER KING

ALBUQUERQUE, NEW MEXICO



MARCH, 1997



5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

DRAINAGE REPORT

FOR

BURGER KING

ALBUQUERQUE, NEW MEXICO



Joseph L. DeFRONZO
3-24-97

MARCH, 1997

LOCATION

This site is located between Heritage Court and Wyoming Boulevard about a quarter of a mile north of Osuna Road.

FLOOD HAZARD ZONES

As shown by Panel 35001C0143 of the National Flood Insurance Rate Map for the City of Albuquerque, dated September 20, 1996, the site is not located within a flood plain.

EXISTING SITE CONDITIONS AND DRAINAGE PATTERN

The site currently has one building on-site with a surrounding parking lot, and a road that extends across the north side of the site from Wyoming Boulevard to Heritage Court. Surrounding development includes a gas station on the south side and an office building on the north side.

The site is not accepting any off-site runoff. Runoff generated from Wyoming Boulevard on the east side of the site is intercepted by curb and gutter and conveyed to Spain Road. Also, an existing water block on the on-site road prevents runoff from Wyoming Boulevard from entering the site.

All on-site runoff from on-site Basin A and Basin B discharges to Heritage Court by overland flow at 3-4% slopes. It is then conveyed to Spain Road by street flow. From that intersection, the runoff flows west on Spain Road and is collected by a series of catch basins on the south side of Spain Road that lead to the Bear Tributary Arroyo. As shown in the 1996 FIRM map, the Bear Tributary Arroyo has enough capacity to convey the 100-year runoff. A total existing on-site runoff of 2.97 cfs was computed (See page 4).

PROPOSED SITE CONDITIONS AND DRAINAGE PATTERN

A Burger King Restaurant with a surrounding parking lot is proposed to be built. For proposed conditions, runoff will be discharged to Heritage Court. In order to decrease the discharge to less than existing, a detention pond will be constructed on the west side of the site. The attenuated runoff will be released from the pond through two 6" pipes. These pipes will then discharge into a sidewalk culvert, releasing runoff onto Heritage Court. A total proposed runoff of 3.33 cfs (See page 4) was computed for Basin A, whereas a runoff of only 2.22 cfs will be discharged from the pond (See page 6).

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
 RUN DATE (MON/DAY/YR) = 03/12/1997
 START TIME (HR:MIN:SEC) = 09:52:31 USER NO.= CHVZ_GNM.I01
 INPUT FILE = g:\n03\113\ahymo.in

*S*****
 *S***** CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC. *****
 *S***** BURGER KING *****
 *S*****

S FILENAME: G:\N03\113\AHYMO.IN/OUT
 *S*****

*S***** 100 YEAR, 24 HOUR STORM (Section 22.2 Hydrology)

S EXISTING RUNOFF CALCULATIONS *****

START 0.00
 RAINFALL TYPE=2 RAIN QUARTER=0.0 RAIN ONE=2.14
 RAIN SIX=2.60 RAIN DAY=3.10 DT=0.03333

COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT = .033330 HOURS END TIME = 19.964670 HOURS

.0000	.0027	.0055	.0084	.0113	.0143	.0173
.0204	.0236	.0269	.0302	.0337	.0372	.0408
.0445	.0484	.0523	.0564	.0606	.0649	.0694
.0741	.0789	.0839	.0892	.0946	.1003	.1063
.1126	.1192	.1262	.1322	.1385	.1452	.1597
.1922	.2422	.3139	.4119	.5407	.7049	.9093
1.1588	1.3904	1.4871	1.5687	1.6414	1.7074	1.7683
1.8247	1.8775	1.9270	1.9735	2.0174	2.0589	2.0982
2.1354	2.1707	2.2041	2.2359	2.2661	2.2737	2.2807
2.2875	2.2939	2.3001	2.3060	2.3117	2.3172	2.3226
2.3277	2.3328	2.3376	2.3423	2.3470	2.3514	2.3558
2.3601	2.3643	2.3683	2.3723	2.3762	2.3801	2.3838
2.3875	2.3911	2.3947	2.3982	2.4016	2.4050	2.4083
2.4115	2.4147	2.4179	2.4210	2.4241	2.4271	2.4301
2.4330	2.4359	2.4388	2.4416	2.4444	2.4472	2.4499
2.4526	2.4553	2.4579	2.4605	2.4631	2.4656	2.4681
2.4706	2.4731	2.4755	2.4779	2.4803	2.4827	2.4850
2.4873	2.4896	2.4919	2.4942	2.4964	2.4986	2.5008
2.5030	2.5052	2.5073	2.5094	2.5115	2.5136	2.5157
2.5177	2.5198	2.5218	2.5238	2.5258	2.5277	2.5297
2.5317	2.5336	2.5355	2.5374	2.5393	2.5412	2.5430
2.5449	2.5467	2.5486	2.5504	2.5522	2.5540	2.5557
2.5575	2.5593	2.5610	2.5627	2.5645	2.5662	2.5679
2.5696	2.5713	2.5729	2.5746	2.5762	2.5779	2.5795
2.5811	2.5828	2.5844	2.5860	2.5876	2.5891	2.5907
2.5923	2.5938	2.5954	2.5969	2.5984	2.6000	2.6014
2.6028	2.6042	2.6057	2.6071	2.6085	2.6099	2.6113
2.6127	2.6141	2.6155	2.6169	2.6183	2.6197	2.6210
2.6224	2.6238	2.6252	2.6265	2.6279	2.6293	2.6306
2.6320	2.6333	2.6347	2.6360	2.6374	2.6387	2.6400
2.6414	2.6427	2.6440	2.6454	2.6467	2.6480	2.6493
2.6506	2.6519	2.6532	2.6546	2.6559	2.6572	2.6584
2.6597	2.6610	2.6623	2.6636	2.6649	2.6662	2.6674
2.6687	2.6700	2.6713	2.6725	2.6738	2.6751	2.6763
2.6776	2.6788	2.6801	2.6813	2.6826	2.6838	2.6850
2.6863	2.6875	2.6888	2.6900	2.6912	2.6924	2.6937
2.6949	2.6961	2.6973	2.6985	2.6997	2.7009	2.7022
2.7034	2.7046	2.7058	2.7069	2.7081	2.7093	2.7105
2.7117	2.7129	2.7141	2.7153	2.7164	2.7176	2.7188

2.7200	2.7211	2.7223	2.7234	2.7246	2.7258	2.7269
2.7281	2.7292	2.7304	2.7315	2.7327	2.7338	2.7350
2.7361	2.7372	2.7384	2.7395	2.7406	2.7418	2.7429
2.7440	2.7452	2.7463	2.7474	2.7485	2.7496	2.7507
2.7518	2.7530	2.7541	2.7552	2.7563	2.7574	2.7585
2.7596	2.7607	2.7618	2.7628	2.7639	2.7650	2.7661
2.7672	2.7683	2.7694	2.7704	2.7715	2.7726	2.7736
2.7747	2.7758	2.7769	2.7779	2.7790	2.7800	2.7811
2.7822	2.7832	2.7843	2.7853	2.7864	2.7874	2.7885
2.7895	2.7906	2.7916	2.7926	2.7937	2.7947	2.7957
2.7968	2.7978	2.7988	2.7999	2.8009	2.8019	2.8029
2.8040	2.8050	2.8060	2.8070	2.8080	2.8090	2.8100
2.8110	2.8121	2.8131	2.8141	2.8151	2.8161	2.8171
2.8181	2.8191	2.8201	2.8210	2.8220	2.8230	2.8240
2.8250	2.8260	2.8270	2.8280	2.8289	2.8299	2.8309
2.8319	2.8328	2.8338	2.8348	2.8358	2.8367	2.8377
2.8387	2.8396	2.8406	2.8415	2.8425	2.8435	2.8444
2.8454	2.8463	2.8473	2.8482	2.8492	2.8501	2.8511
2.8520	2.8530	2.8539	2.8548	2.8558	2.8567	2.8576
2.8586	2.8595	2.8604	2.8614	2.8623	2.8632	2.8642
2.8651	2.8660	2.8669	2.8679	2.8688	2.8697	2.8706
2.8715	2.8724	2.8734	2.8743	2.8752	2.8761	2.8770
2.8779	2.8788	2.8797	2.8806	2.8815	2.8824	2.8833
2.8842	2.8851	2.8860	2.8869	2.8878	2.8887	2.8896
2.8905	2.8913	2.8922	2.8931	2.8940	2.8949	2.8958
2.8966	2.8975	2.8984	2.8993	2.9001	2.9010	2.9019
2.9028	2.9036	2.9045	2.9054	2.9062	2.9071	2.9080
2.9088	2.9097	2.9106	2.9114	2.9123	2.9131	2.9140
2.9148	2.9157	2.9165	2.9174	2.9182	2.9191	2.9199
2.9208	2.9216	2.9225	2.9233	2.9242	2.9250	2.9258
2.9267	2.9275	2.9284	2.9292	2.9300	2.9309	2.9317
2.9325	2.9334	2.9342	2.9350	2.9358	2.9367	2.9375
2.9383	2.9391	2.9400	2.9408	2.9416	2.9424	2.9432
2.9441	2.9449	2.9457	2.9465	2.9473	2.9481	2.9489
2.9497	2.9506	2.9514	2.9522	2.9530	2.9538	2.9546
2.9554	2.9562	2.9570	2.9578	2.9586	2.9594	2.9602
2.9610	2.9618	2.9626	2.9634	2.9641	2.9649	2.9657
2.9665	2.9673	2.9681	2.9689	2.9697	2.9704	2.9712
2.9720	2.9728	2.9736	2.9743	2.9751	2.9759	2.9767
2.9775	2.9782	2.9790	2.9798	2.9805	2.9813	2.9821
2.9829	2.9836	2.9844	2.9852	2.9859	2.9867	2.9874
2.9882	2.9890	2.9897	2.9905	2.9912	2.9920	2.9928
2.9935	2.9943	2.9950	2.9958	2.9965	2.9973	2.9980
2.9988	2.9995	3.0003	3.0010	3.0018	3.0025	3.0033
3.0040	3.0048	3.0055	3.0062	3.0070	3.0077	3.0085
3.0092	3.0099	3.0107	3.0114	3.0121	3.0129	3.0136
3.0143	3.0151	3.0158	3.0165	3.0173		

*S COMPUTE EXISTING RUNOFF FROM ON-SITE BASIN A
 COMPUTE NM HYD ID=1 HYD=A DA=0.00114 SQ MI
 %A=30 %B=15 %C=15 %D=40
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 1.8003 CFS UNIT VOLUME = .9933 B = 526.28 P60 = 2.1400
 AREA = .000456 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .139842HR TP = .133300HR K/TP RATIO = 1.049076 SHAPE CONSTANT, N = 3.365389
 UNIT PEAK = 1.5926 CFS UNIT VOLUME = .9914 B = 310.37 P60 = 2.1400
 AREA = .000684 SQ MI IA = .53750 INCHES INF = 1.35500 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

HYDROGRAPH FROM AREA A

RUNOFF VOLUME = 1.61604 INCHES = .0983 ACRE-FEET
PEAK DISCHARGE RATE = 2.54 CFS AT 1.500 HOURS BASIN AREA = .0011 SQ. MI.

*S COMPUTE EXISTING RUNOFF FROM ON-SITE BASIN B
COMPUTE NM HYD ID=2 HYD=BASIN_B DA=0.00013 SQ MI
%A=0 %B=0 %C=0 %D=100
TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .51325 CFS UNIT VOLUME = .9786 B = 526.28 P60 = 2.1400
AREA = .000130 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=2 CODE=1

HYDROGRAPH FROM AREA BASIN_B

RUNOFF VOLUME = 2.76864 INCHES = .0192 ACRE-FEET
PEAK DISCHARGE RATE = .43 CFS AT 1.500 HOURS BASIN AREA = .0001 SQ. MI.

*S COMPUTE RUNOFF FROM PROPOSED ON-SITE BASIN A
COMPUTE NM HYD ID=1 HYD=A DA=0.00114 SQ MI
%A=0 %B=20 %C=0 %D=80
TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 3.6006 CFS UNIT VOLUME = .9961 B = 526.28 P60 = 2.1400
AREA = .000912 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133656HR TP = .133300HR K/TP RATIO = 1.002670 SHAPE CONSTANT, N = 3.520804
UNIT PEAK = .55049 CFS UNIT VOLUME = .9754 B = 321.84 P60 = 2.1400
AREA = .000228 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

HYDROGRAPH FROM AREA A

RUNOFF VOLUME = 2.39889 INCHES = .1459 ACRE-FEET
PEAK DISCHARGE RATE = 3.33 CFS AT 1.500 HOURS BASIN AREA = .0011 SQ. MI.

*

*S COMPUTE RUNOFF FROM PROPOSED ON-SITE BASIN B
COMPUTE NM HYD ID=2 HYD=BASIN_B DA=0.00013 SQ MI
%A=0 %B=0 %C=0 %D=100
TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .51325 CFS UNIT VOLUME = .9786 B = 526.28 P60 = 2.1400
AREA = .000130 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=2 CODE=1

HYDROGRAPH FROM AREA BASIN_8

RUNOFF VOLUME = 2.76864 INCHES = .0192 ACRE-FEET
 PEAK DISCHARGE RATE = .43 CFS AT 1.500 HOURS BASIN AREA = .0001 SQ. MI.

*

*S ROUTE BASIN A THROUGH THE DETENTION POND

ROUTE RESERVOIR ID=3 HYD NO=BASIN_ROUTE INFLOW ID=1 CODE=10
 OUTFLOW(CFS) STORAGE(AC-FT) ELEVATION(FT)
 0 0 0
 2.58 0.03440 1.30

* * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	.00	.000	.00
.33	.00	.00	.000	.00
.67	.00	.00	.000	.00
1.00	.04	.00	.000	.01
1.33	.95	.16	.004	.31
1.67	1.71	1.08	.028	2.14
2.00	.77	.57	.015	1.14
2.33	.18	.21	.006	.42
2.67	.07	.07	.002	.14
3.00	.04	.03	.001	.06
3.33	.03	.02	.001	.04
3.67	.03	.02	.000	.03
4.00	.03	.01	.000	.03
4.33	.02	.01	.000	.03
4.67	.02	.01	.000	.02
5.00	.02	.01	.000	.02
5.33	.02	.01	.000	.02
5.67	.03	.01	.000	.02
6.00	.03	.01	.000	.03
6.33	.03	.01	.000	.03
6.67	.02	.01	.000	.02
7.00	.02	.01	.000	.02
7.33	.02	.01	.000	.02
7.67	.02	.01	.000	.02
8.00	.02	.01	.000	.02
8.33	.02	.01	.000	.02
8.67	.02	.01	.000	.02
9.00	.02	.01	.000	.02
9.33	.02	.01	.000	.02
9.67	.02	.01	.000	.02
10.00	.02	.01	.000	.02
10.33	.02	.01	.000	.02
10.67	.02	.01	.000	.02
11.00	.02	.01	.000	.02
11.33	.02	.01	.000	.02
11.67	.02	.01	.000	.02
12.00	.02	.01	.000	.02
12.33	.02	.01	.000	.02
12.67	.02	.01	.000	.02
13.00	.02	.01	.000	.02
13.33	.02	.01	.000	.02
13.67	.02	.01	.000	.02
14.00	.02	.01	.000	.02
14.33	.02	.01	.000	.02
14.67	.02	.01	.000	.02
15.00	.02	.01	.000	.02
15.33	.02	.01	.000	.02
15.67	.02	.01	.000	.02

16.00	.02	.01	.000	.02
16.33	.01	.01	.000	.01
16.67	.01	.01	.000	.01
17.00	.01	.01	.000	.01
17.33	.01	.01	.000	.01
17.66	.01	.01	.000	.01
18.00	.01	.01	.000	.01
18.33	.01	.01	.000	.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
18.66	.01	.01	.000	.01
19.00	.01	.01	.000	.01
19.33	.01	.01	.000	.01
19.66	.01	.01	.000	.01

PEAK DISCHARGE = 2.218 CFS - PEAK OCCURS AT HOUR 1.60
 MAXIMUM WATER SURFACE ELEVATION = 1.118
 MAXIMUM STORAGE = .0296 AC-FT INCREMENTAL TIME= .033330HRS

PRINT HYD ID=3 CODE=1

HYDROGRAPH FROM AREA BASIN_ROUTE

RUNOFF VOLUME = 2.39605 INCHES = .1457 ACRE-FEET
 PEAK DISCHARGE RATE = 2.22 CFS AT 1.600 HOURS BASIN AREA = .0011 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 09:52:32