



D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

PROJECT Hilton - Alb.
SUBJECT Drainage
BY MG DATE 4/5/97
CHECKED _____ DATE _____
SHEET 1 OF 1

This site is currently undeveloped. It discharges to Gibson which discharges to the S. Diversion Channel via an existing Concrete Channel / Drop Structure.

This site should be allowed Free Discharge since it is at the bottom of the Basin and will peak way ahead of the Basin.

$$A(\text{total}) = 3.7 \text{ Ac.}$$

$$P(6) = 2.35 \text{ in.}$$

$$P(24) = 2.15 \text{ in.}$$

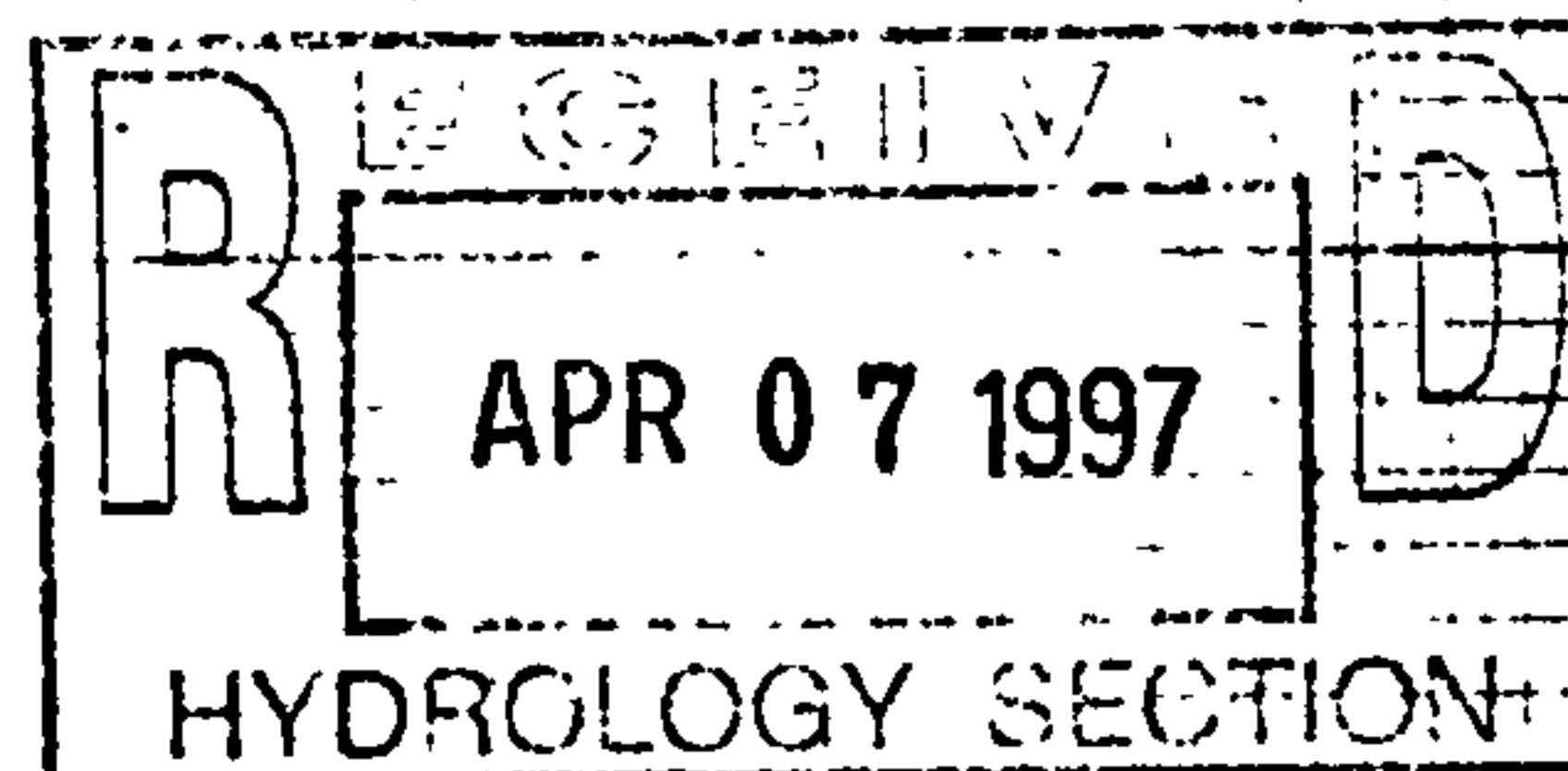
$$T_c = 10 \text{ min. minimum}$$

$$\text{Treatment D} = 85\%$$

$$\text{Treatment B} = 15\%$$

$$\text{Area D.A. 1} = 1.67 \text{ Ac.} \quad Q = 7.26 \text{ cfs}$$

$$\text{Area D.A. 2} = 2.03 \text{ Ac.} \quad Q = 8.82 \text{ cfs}$$



HILTONAB.DAT

START TIME=0.0

***** HYDROGRAPH FOR THE HILTON HOTEL-ALBUQUERQUE

***** SITE IS LOCATED AT THE NORTHEAST CORNER OF

***** GIBSON AND I-25. THERE ARE TWO BASINS SEPARATELY

***** DISCHARGING OFFSITE.

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR

*EXISTING CONDITIONS

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.0057812 SQ MI
PER A=75.00 PER B=25.00 PER C=0.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=1 CODE=1

*PROPOSED CONDITIONS

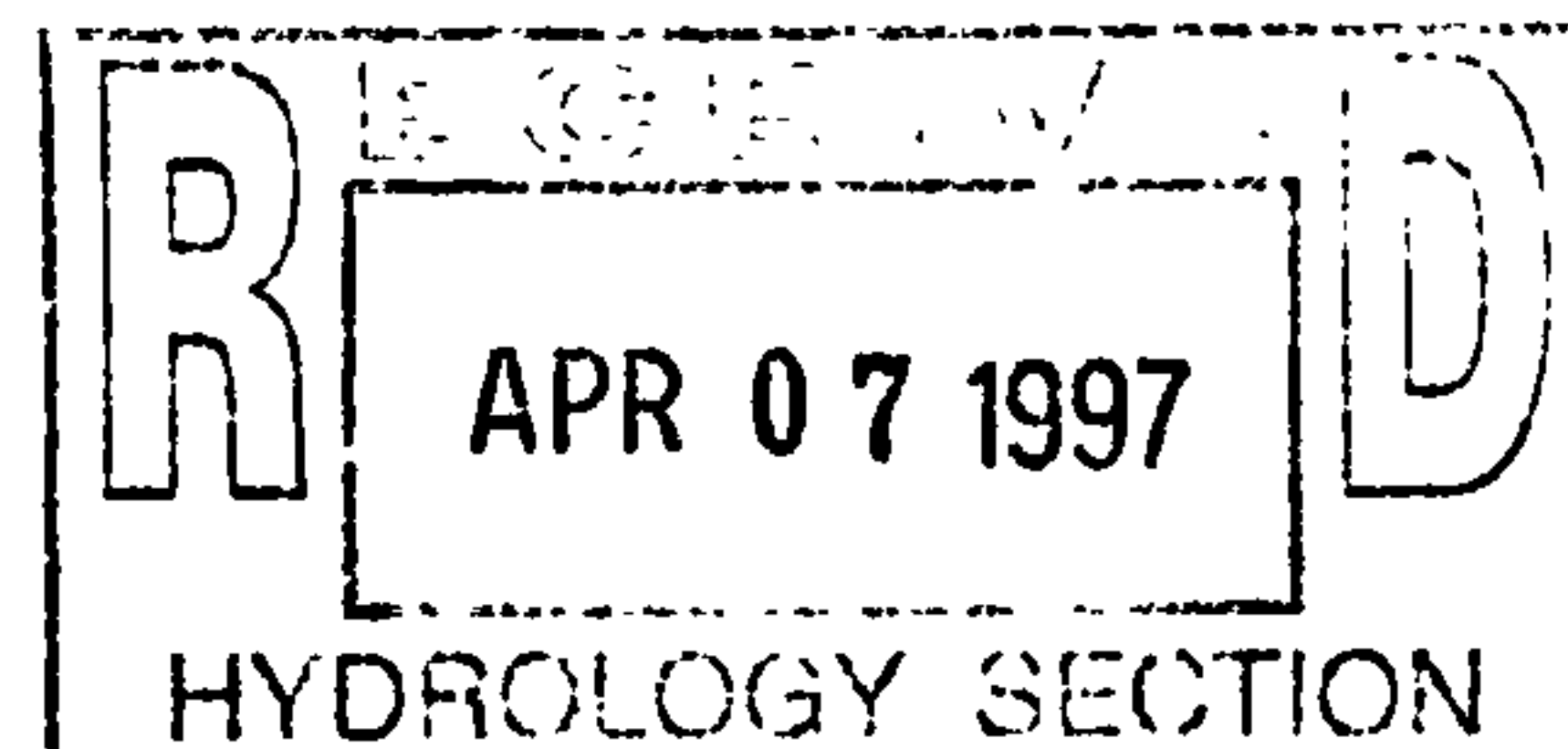
*BASIN A.1

COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.0026094 SQ MI
PER A=0.00 PER B=15.00 PER C=0.00 PER D=85.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1

*BASIN A.2

COMPUTE NM HYD ID=3 HYD NO=101.3 AREA=0.0031719 SQ MI
PER A=0.00 PER B=15.00 PER C=0.00 PER D=85.00
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=3 CODE=1

FINISH



HILTONAB.OUT

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
RUN DATE (MON/DAY/YR) = 04/05/1997
START TIME (HR:MIN:SEC) = 06:20:28 USER NO.= M_GOODWN.I01
INPUT FILE = HILTONAB.DAT

START TIME=0.0

***** HYDROGRAPH FOR THE HILTON HOTEL-ALBUQUERQUE

***** SITE IS LOCATED AT THE NORTHEAST CORNER OF

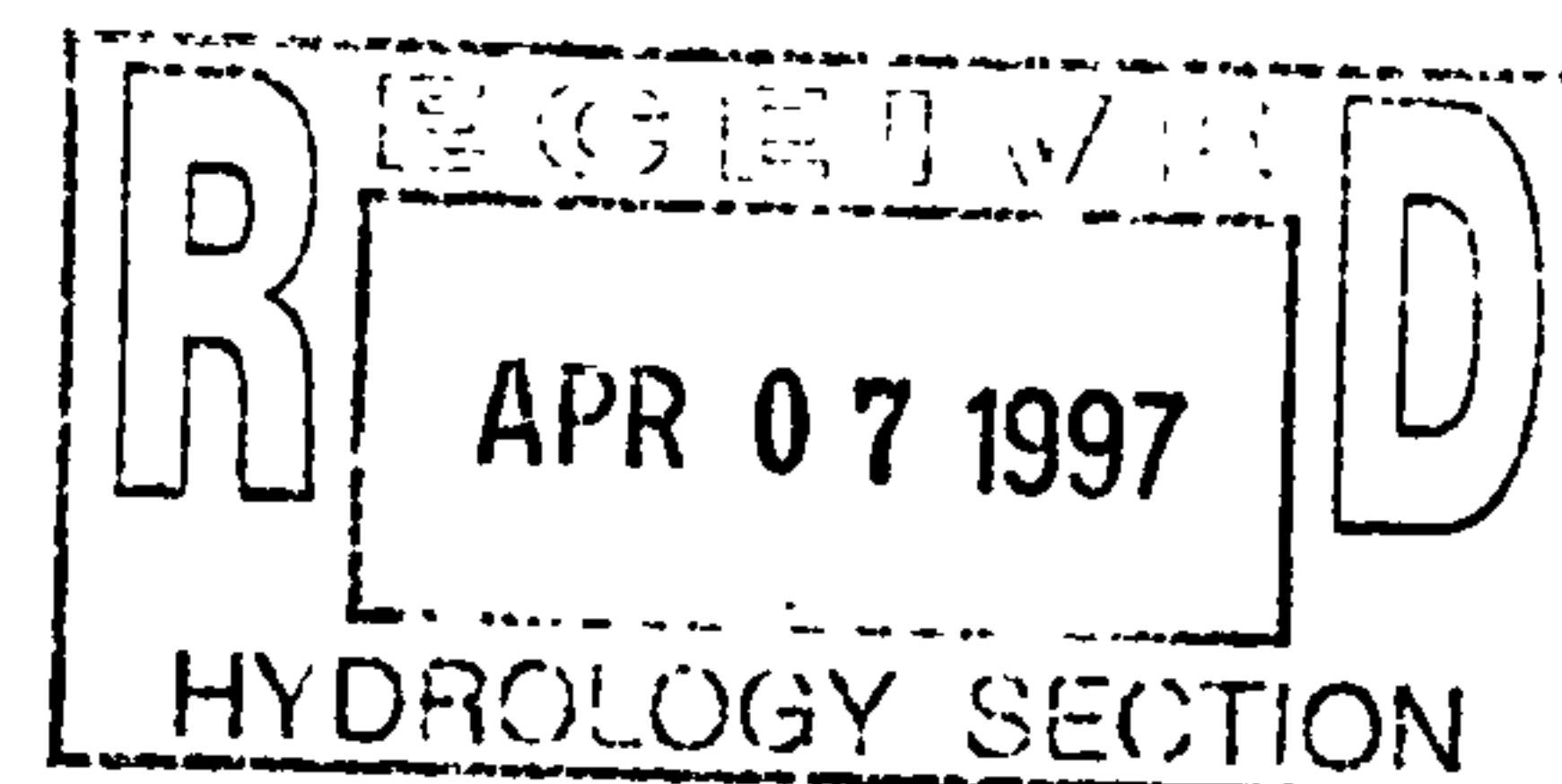
***** GIBSON AND I-25. THERE ARE TWO BASINS SEPARATELY

***** DISCHARGING OFFSITE.

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.01 IN RAIN SIX=2.35 IN

RAIN DAY=2.75 IN DT=0.03333 HR



COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS

2 - PEAK AT 1.40 HR.

DT =	.033330 HOURS	END TIME =	5.999400 HOURS			
.0000	.0016	.0033	.0049	.0066	.0084	.0102
.0120	.0139	.0158	.0178	.0199	.0219	.0241
.0263	.0286	.0309	.0333	.0358	.0384	.0411
.0439	.0467	.0497	.0529	.0561	.0596	.0631
.0669	.0709	.0751	.0807	.0866	.0930	.1066
.1371	.1840	.2514	.3434	.4644	.6186	.8106
1.0449	1.2624	1.3533	1.4300	1.4982	1.5602	1.6174

HILTONAB.OUT

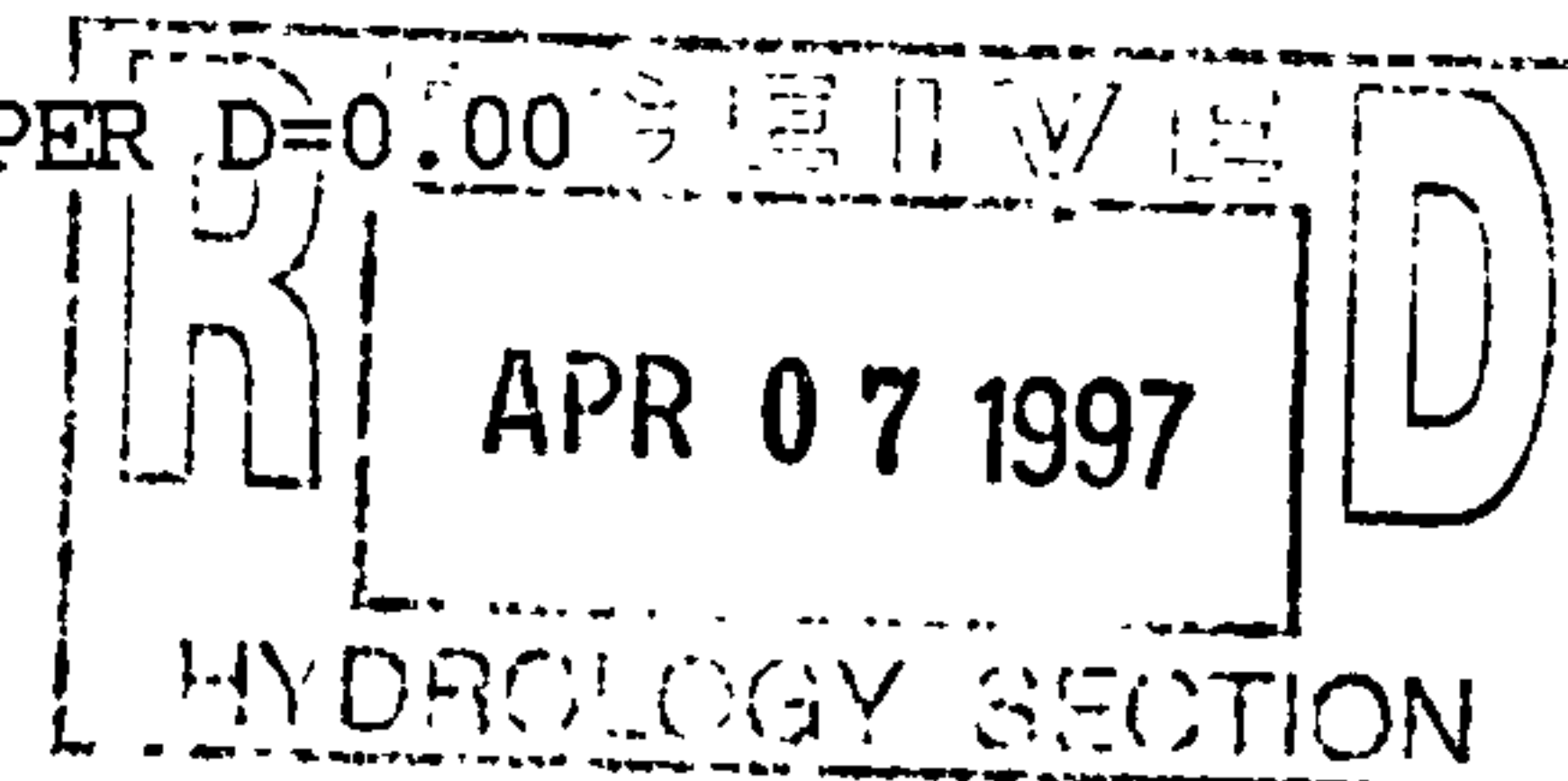
1.6704	1.7200	1.7664	1.8102	1.8514	1.8904	1.9273
1.9622	1.9953	2.0268	2.0566	2.0850	2.0915	2.0976
2.1033	2.1088	2.1140	2.1191	2.1239	2.1285	2.1329
2.1373	2.1414	2.1454	2.1494	2.1531	2.1568	2.1604
2.1639	2.1673	2.1706	2.1739	2.1771	2.1802	2.1832
2.1862	2.1891	2.1919	2.1947	2.1975	2.2002	2.2028
2.2054	2.2080	2.2105	2.2130	2.2154	2.2178	2.2202
2.2225	2.2248	2.2270	2.2293	2.2315	2.2336	2.2358
2.2379	2.2399	2.2420	2.2440	2.2460	2.2480	2.2500
2.2519	2.2538	2.2557	2.2576	2.2594	2.2612	2.2631
2.2648	2.2666	2.2684	2.2701	2.2718	2.2735	2.2752
2.2769	2.2785	2.2802	2.2818	2.2834	2.2850	2.2866
2.2881	2.2897	2.2912	2.2928	2.2943	2.2958	2.2973
2.2987	2.3002	2.3017	2.3031	2.3045	2.3060	2.3074
2.3088	2.3102	2.3115	2.3129	2.3143	2.3156	2.3169
2.3183	2.3196	2.3209	2.3222	2.3235	2.3248	2.3261
2.3273	2.3286	2.3298	2.3311	2.3323	2.3335	2.3348
2.3360	2.3372	2.3384	2.3396	2.3408	2.3419	2.3431
2.3443	2.3454	2.3466	2.3477	2.3488	2.3500	

*EXISTING CONDITIONS

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.0057812 SQ MI

PER A=75.00 PER B=25.00 PER C=0.00 PER D=0.00

TP=0.1333 HR MASS RAINFALL=-1



K = .153138HR TP = .133300HR K/TP RATIO = 1.148820 SHA
 PE CONSTANT, N = 3.083498
 UNIT PEAK = 12.515 CFS UNIT VOLUME = .9986 B = 288.
 56 P60 = 2.0100
 AREA = .005781 SQ MI IA = .61250 INCHES INF = 1.56500
 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
 T = .033330

HILTONAB.OUT

PRINT HYD

ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = .58638 INCHES = .1808 ACRE-FEET
PEAK DISCHARGE RATE = 6.41 CFS AT 1.533 HOURS BASIN AREA =
.0058 SQ. MI.

*PROPOSED CONDITIONS

*BASIN A.1

COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.0026094 SQ MI

PER A=0.00 PER B=15.00 PER C=0.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

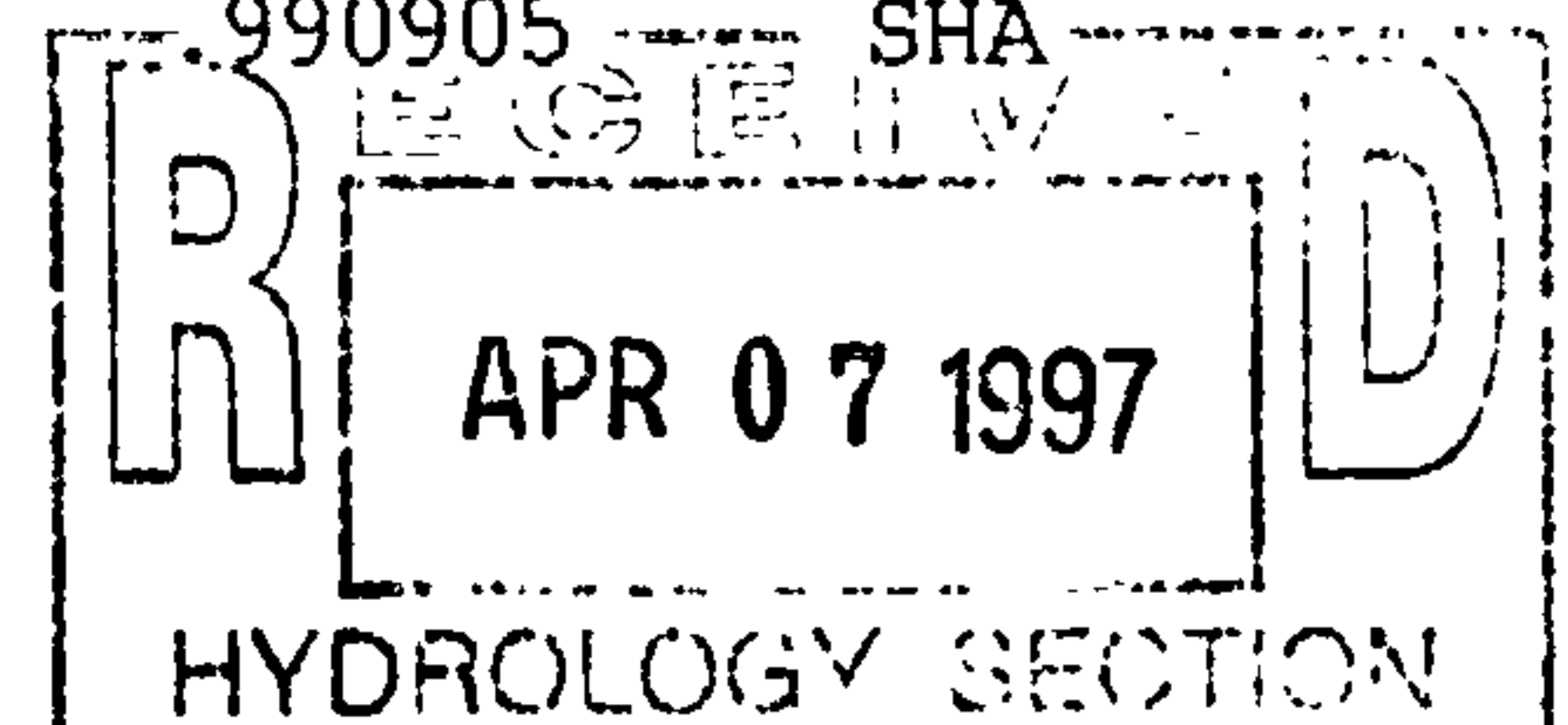
K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA
PE CONSTANT, N = 7.106420

UNIT PEAK = 8.7567 CFS UNIT VOLUME = .9981 B = 526.
28 P60 = 2.0100

AREA = .002218 SQ MI IA = .10000 INCHES INF = .04000
INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T = .033330

K = .132088HR TP = .133300HR K/TP RATIO = .990905 SHA



HILTONAB.OUT

PE CONSTANT, N = 3.563124

UNIT PEAK = .95403 CFS UNIT VOLUME = .9858 B = 324.

91 P60 = 2.0100

AREA = .000391 SQ MI IA = .50000 INCHES INF = 1.25000

INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D

T = .033330

PRINT HYD

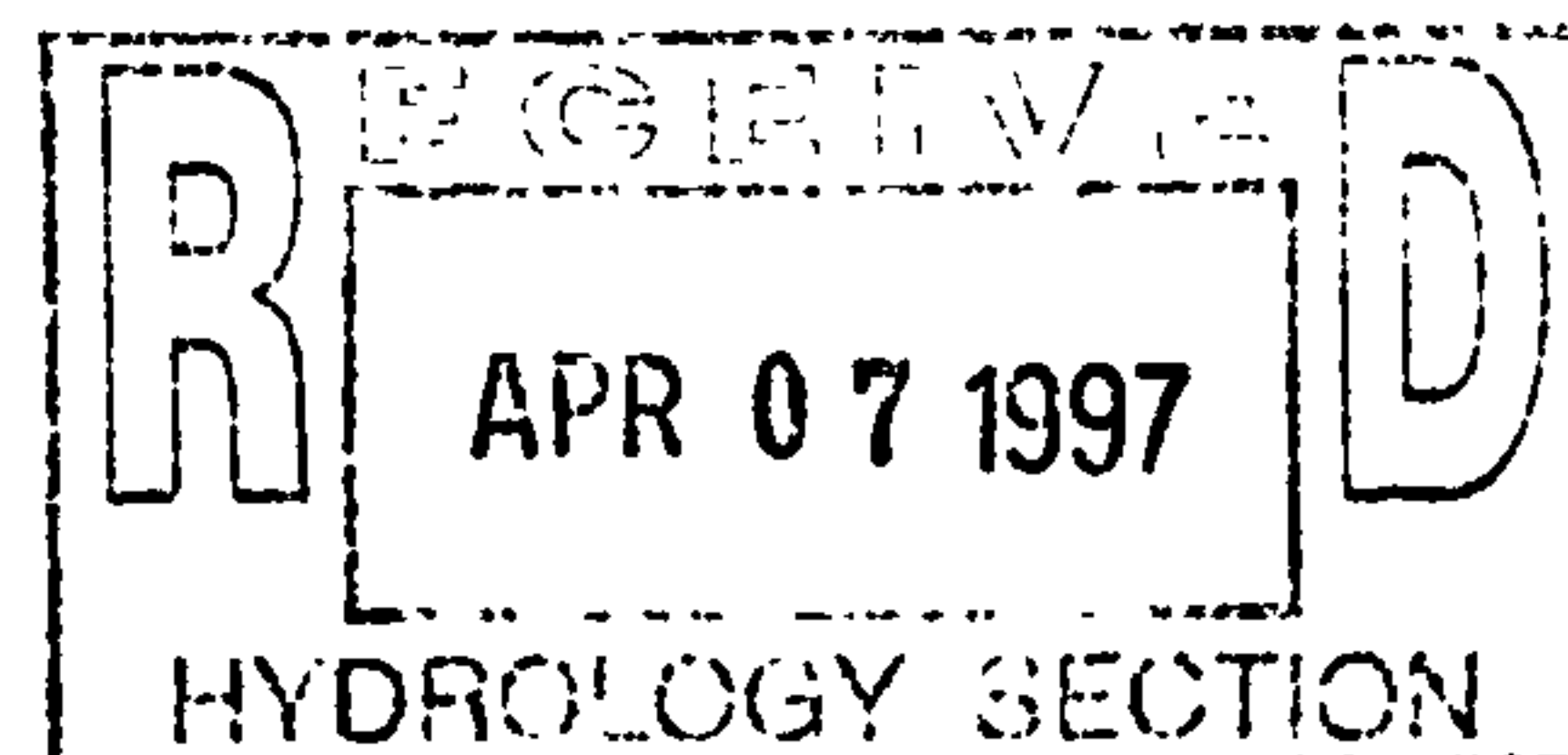
ID=2 CODE=1

PARTIAL HYDROGRAPH 101.20

RUNOFF VOLUME = 1.91479 INCHES = .2665 ACRE-FEET

PEAK DISCHARGE RATE = 7.26 CFS AT 1.500 HOURS BASIN AREA =
.0026 SQ. MI.

*BASIN A.2



COMPUTE NM HYD

ID=3 HYD NO=101.3 AREA=0.0031719 SQ MI

PER A=0.00 PER B=15.00 PER C=0.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA

PE CONSTANT, N = 7.106420

UNIT PEAK = 10.644 CFS UNIT VOLUME = .9982 B = 526.

28 P60 = 2.0100

AREA = .002696 SQ MI IA = .10000 INCHES INF = .04000

INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D

HILTONAB.OUT

T = .033330

K = .132088HR TP = .133300HR K/TP RATIO = .990905 SHA
PE CONSTANT, N = 3.563124

UNIT PEAK = 1.1597 CFS UNIT VOLUME = .9881 B = 324.
91 P60 = 2.0100

AREA = .000476 SQ MI IA = .50000 INCHES INF = 1.25000
INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D

T = .033330

PRINT HYD

ID=3 CODE=1

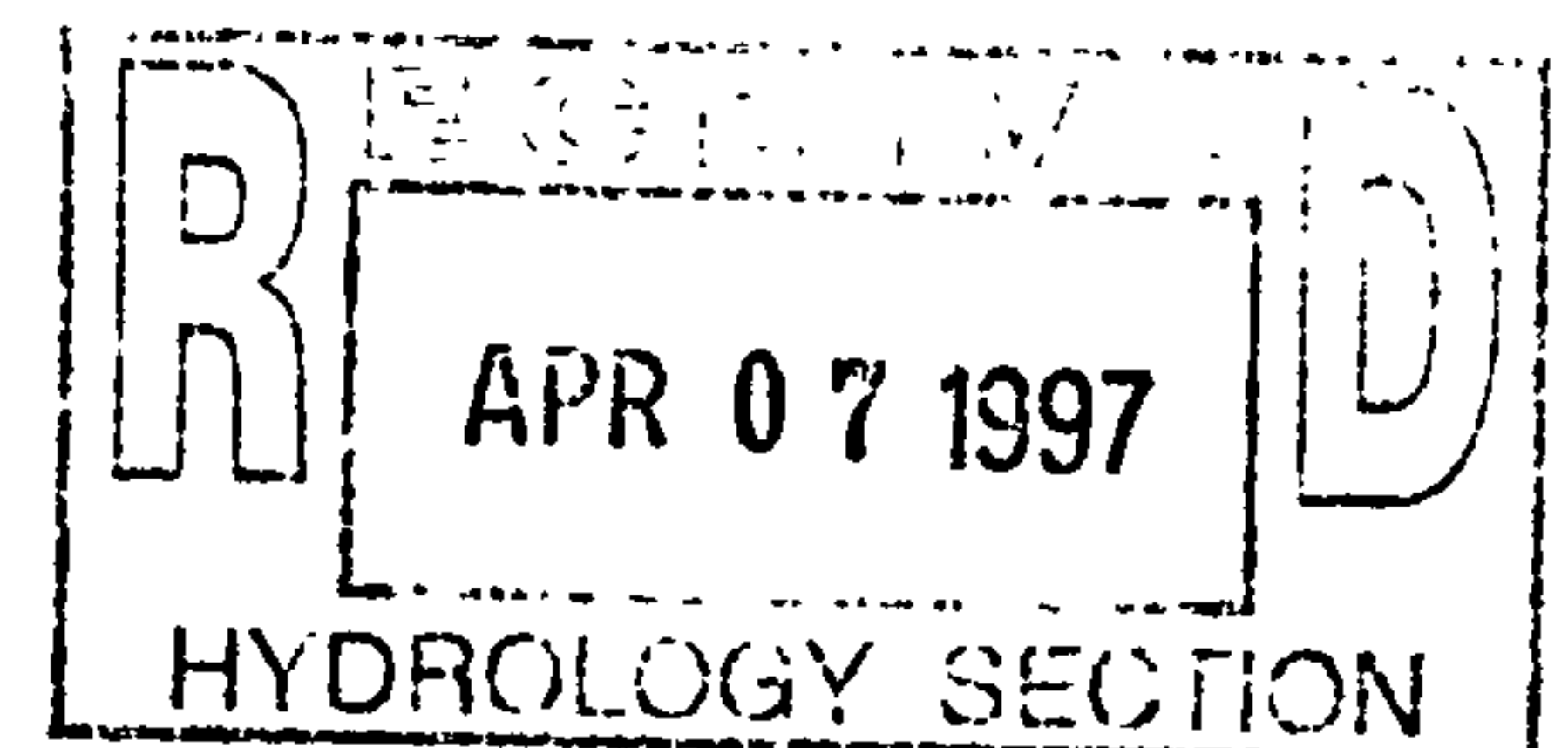
PARTIAL HYDROGRAPH 101.30

RUNOFF VOLUME = 1.91479 INCHES = .3239 ACRE-FEET
PEAK DISCHARGE RATE = 8.82 CFS AT 1.500 HOURS BASIN AREA =
.0032 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 06:20:29



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

August 12, 1997

INTEROFFICE CORRESPONDENCE

HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division
FROM: Lisa Ann Manwill, P.E. Engineering Associate, PWD *LAM*
SUBJECT: **PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY
DRAINAGE FILE NUMBER L15-D47.**

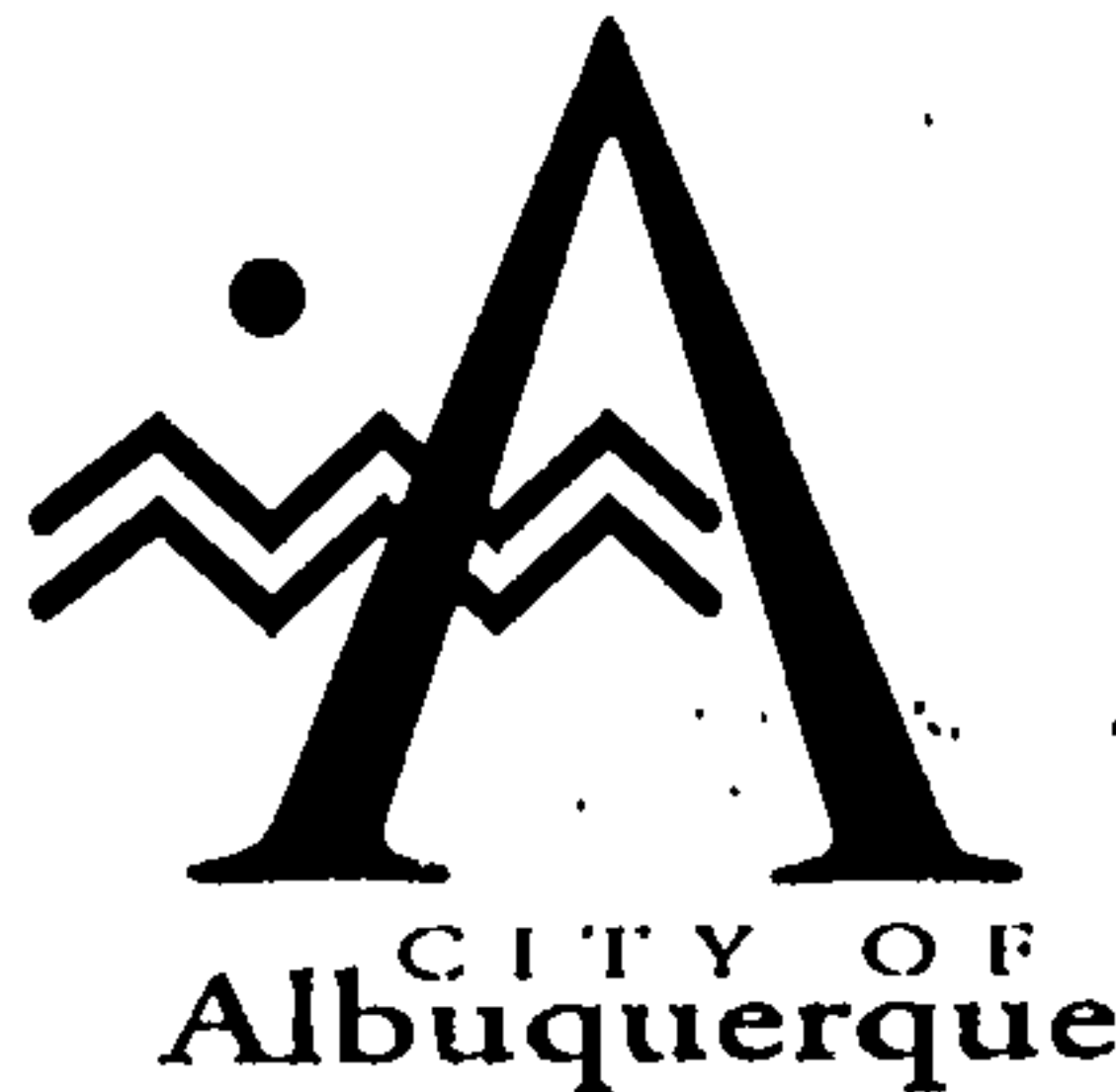
Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the SO #19 design.

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



August 12, 1997

Martin J. Chávez, Mayor

Mark Goodwin, P.E.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

**RE: HILTON (L15-D47). GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT
APPROVAL. ENGINEER'S STAMP DATED JULY 31, 1997.**

Dear Mr. Goodwin:

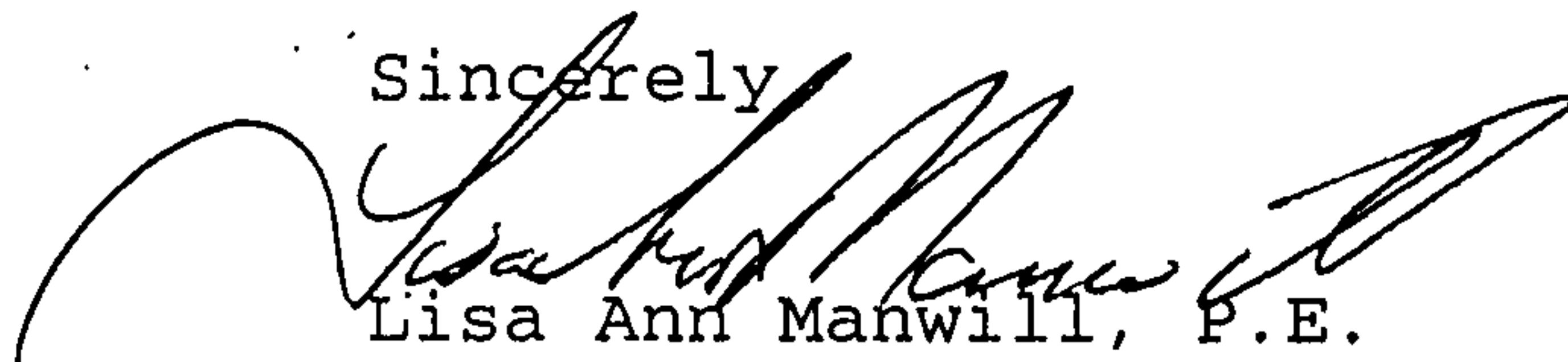
Based on the information provided on your August 1, 1997 submittal, the above referenced project is approved for Building and SO #19 Permits.

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 Certificate of Occupancy approval, an Engineer's Certification will be required.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely



Lisa Ann Manwill, P.E.
Engineering Assoc./Hyd.

c: Arlene Portillo
Andrew Garcia
File

Good for You, Albuquerque!





D. Mark Goodwin & Associates, P.A.
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539
e-mail: dmgs@swcp.com

August 1, 1997

Ms. Lisa Manwill
Hydrology Division
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: Hilton Garden Inn, ABQ; L15/D47

Dear Ms. Manwill:

Attached, please find a revised Grading and Drainage Plan for the referenced project. You were correct in that Transportation required us to move the west entrance east.

This change requires that addition of 2-24" sidewalk culverts for the 3 cfs that does not drain out the driveway. All other grading remained basically the same.

Please contact our office if you have any questions.

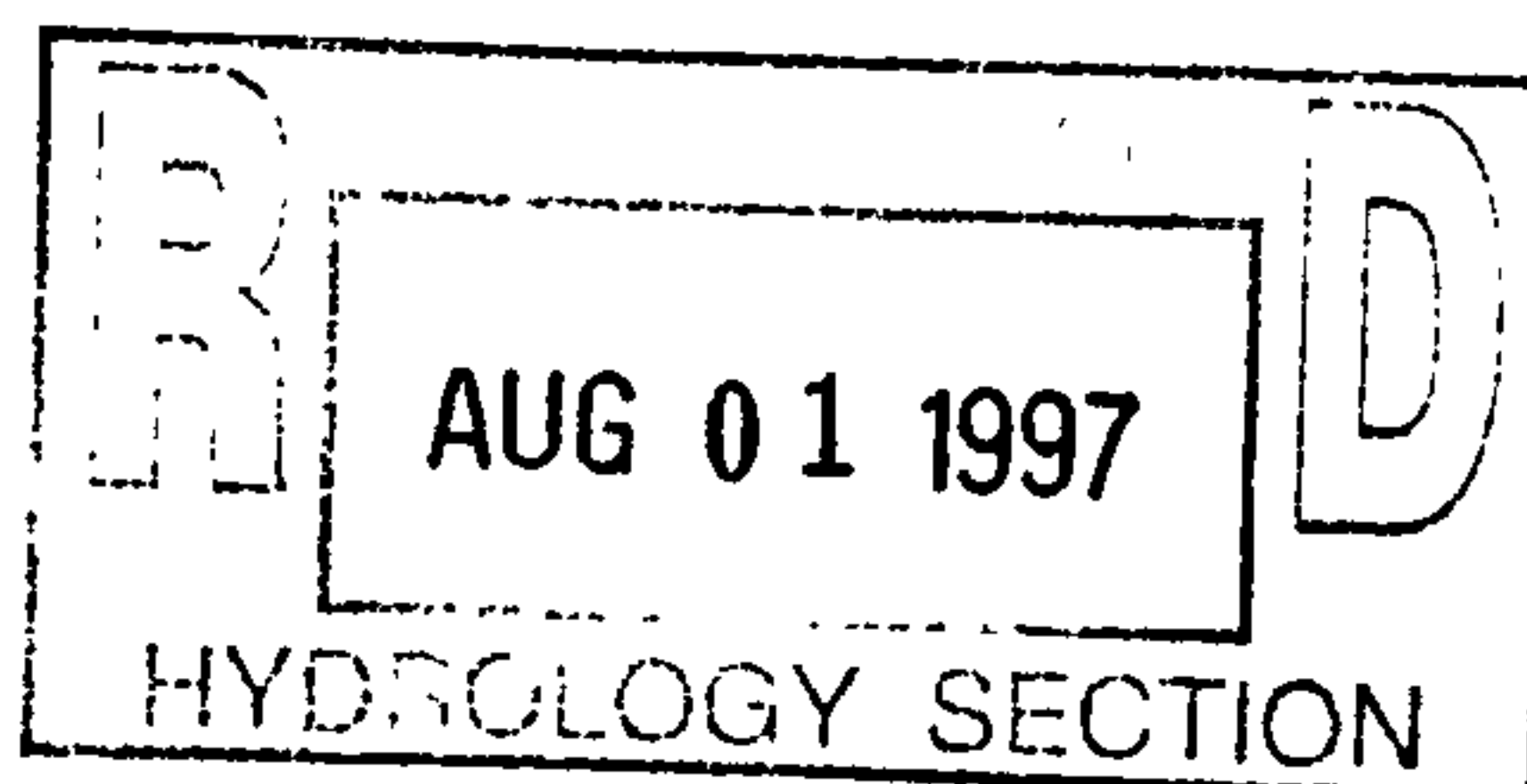
Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

Mark Goodwin, PE
President

DMG/sb

f:\Whilton.abq\g&dplan.rev



DRAINAGE INFORMATION SHEET

PROJECT TITLE: Hilton - Albuquerque ZONE/ATLAS/DRNG, FILE#: L-15 047

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

LEGAL DESCRIPTION: Portion Tract A, 40/25 Assoc. & Tracts 4&5 Gibson

CITY ADDRESS: 1401 Gibson S.E.

ENGINEERING FIRM:	Mark Goodwin & Associates, P.A.	CONTACT:	Mark Goodwin
ADDRESS:	P.O. Box 90606 Albuquerque, NM 87199	PHONE:	(505) 345-2010
OWNER:	Chartwell Leisure	CONTACT:	Adrian Warner
ADDRESS:	605 3rd Avenue New York, NY 10158	PHONE:	(212) 692-1400
ARCHITECT:	Rabun, Hogan, OTA, Rasche Architects	CONTACT:	Curtis Johnson
ADDRESS:	805 Peachtree St. Atlanta, GA 30308	PHONE:	(404) 888-9939
SURVEYOR:	Aldrich Land Surveying, Inc.	CONTACT:	Tim Aldrich
ADDRESS:	P.O. Box 30701 Albuquerque, NM 87107	PHONE:	(505) 884-1990
CONTACTOR:	N/A	CONTACT:	
ADDRESS:		PHONE:	

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☒ GRADING PLAN

☐ EROSION CONTROL

☐ 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

☐ CERTIFICATION OF OCCUPANCY APPROVAL

☐ GRADING PERMIT APPROVAL

☐ PAVING PERMIT APPROVAL

☐ S.A.D. DRAINAGE REPORT

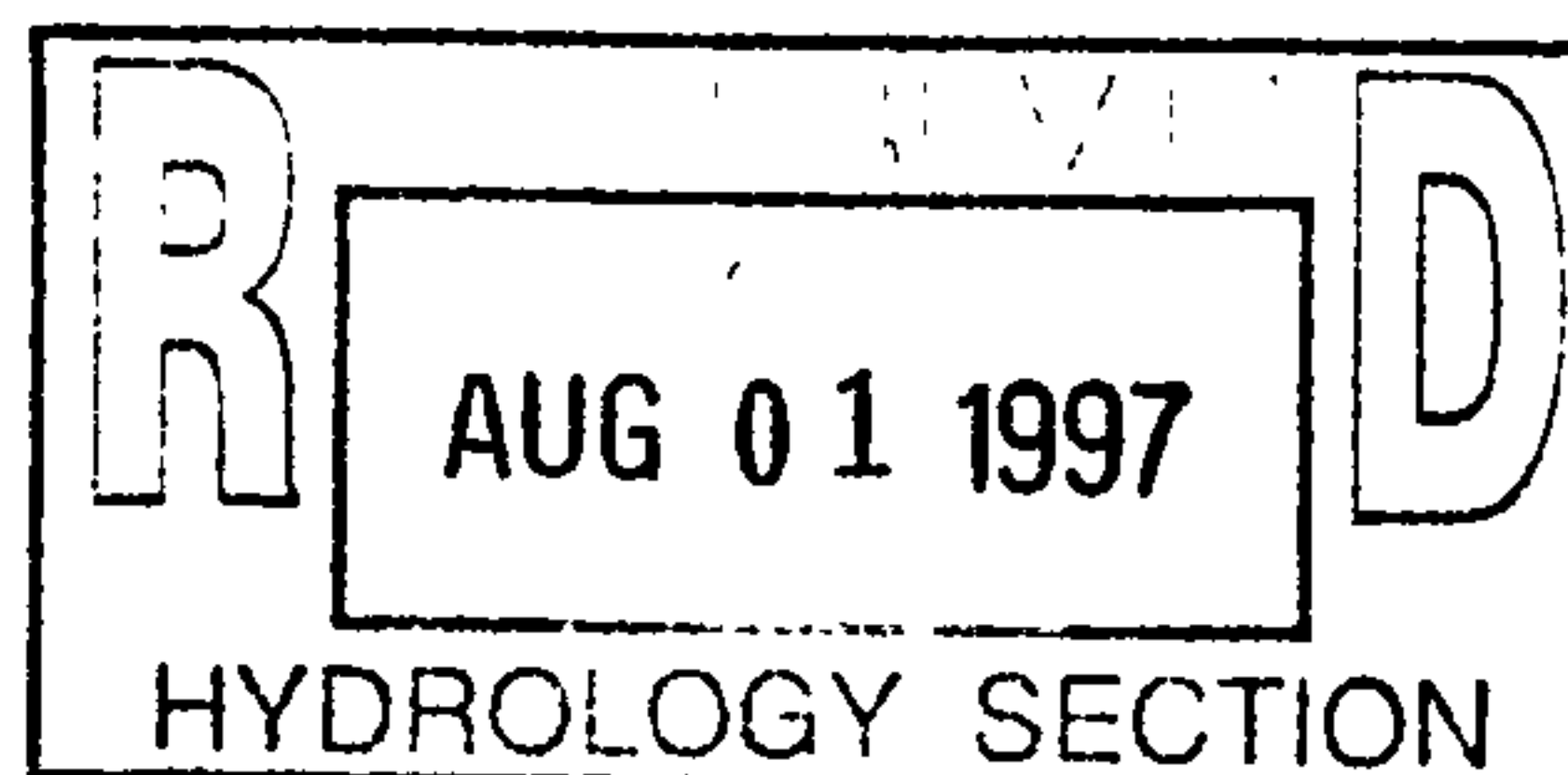
☐ DRAINAGE REQUIREMENTS

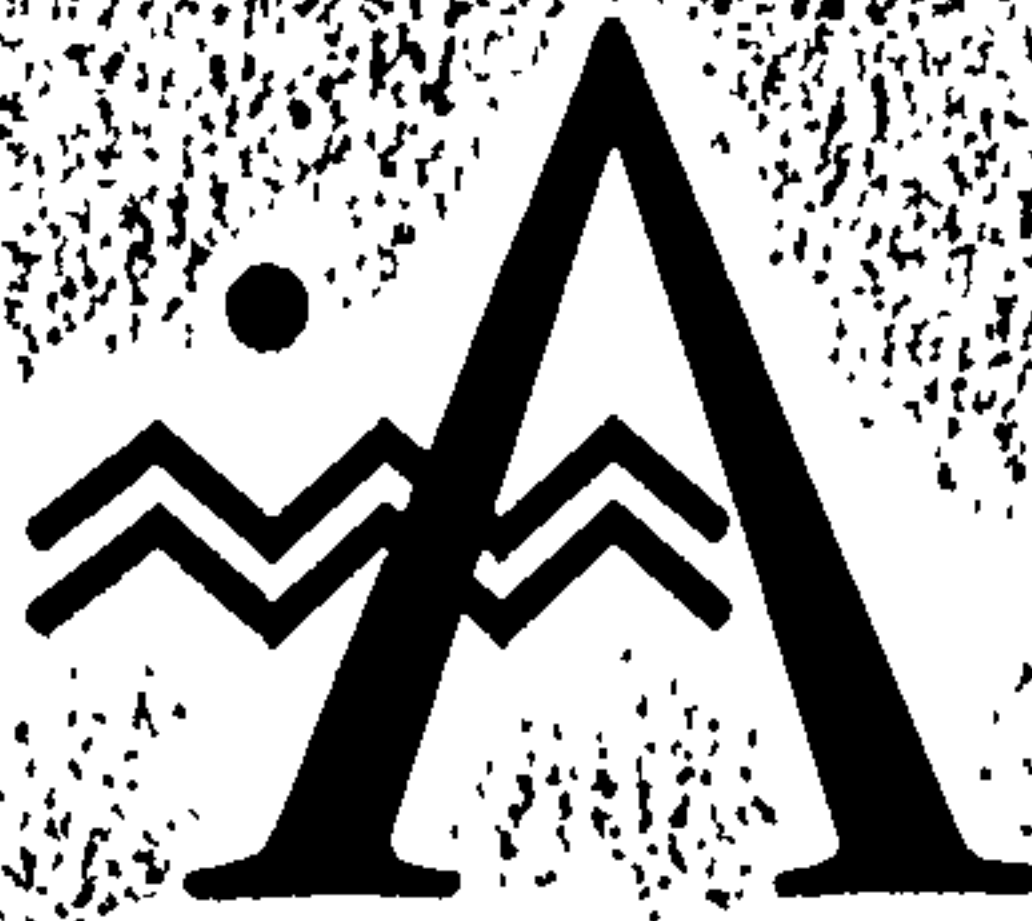
☒ OTHER S.O. 19

DATE SUBMITTED: 8/1/97

BY: Mark Goodwin

Mark Goodwin, P.E.





CITY OF
Albuquerque

Public Works Department

June 18, 1997

Martin J. Chavez, Mayor

Robert E. Gurulé, Director

Mark Goodwin, P.E.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

**RE: HILTON (L15-D47). GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT
APPROVAL. ENGINEER'S STAMP DATED JUNE 4, 1997.**

Dear Mr. Goodwin:

Based on the information provided on your June 6, 1997 submittal, the above referenced project is approved for Building Permit.

I suggest you double check with the Transportation regarding any design requirement for the Mulberry and Gibson intersection. If you are required to design the intersection, please resubmit to Hydrology.

Prior to Certificate of Occupancy approval, an Engineer's Certification will be required.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

Lisa Ann Manwill, P.E.
Engineering Assoc./Hyd.

c: Andrew Garcia
File

Good for You, Albuquerque!

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



DRAINAGE INFORMATION SHEET

PROJECT TITLE: Hilton - Albuquerque ZONE/ATLAS/DRNG, FILE#: L-15
DRB#: _____ EPC# _____ WORK ORDER#: _____
LEGAL DESCRIPTION: Portion Tract A, 40/25 Assoc. & Tracts 4&5 Gibson
CITY ADDRESS: 1401 Gibson S.E.

ENGINEERING FIRM:	<u>Mark Goodwin & Associates, P.A.</u>	CONTACT:	<u>Mark Goodwin</u>
ADDRESS:	<u>P.O. Box 90606 Albuquerque, NM 87199</u>	PHONE:	<u>(505) 345-2010</u>
OWNER:	<u>Chartwell Leisure</u>	CONTACT:	<u>Adrian Warner</u>
ADDRESS:	<u>605 3rd Avenue New York, NY 10158</u>	PHONE:	<u>(212) 692-1400</u>
ARCHITECT:	<u>Rabun, Hogan, OTA, Rasche Architects</u>	CONTACT:	<u>Curtis Johnson</u>
ADDRESS:	<u>805 Peachtree St. Atlanta, GA 30308</u>	PHONE:	<u>(404) 888-9939</u>
SURVEYOR:	<u>Aldrich Land Surveying, Inc.</u>	CONTACT:	<u>Tim Aldrich</u>
ADDRESS:	<u>P.O. Box 30701 Albuquerque, NM 87107</u>	PHONE:	<u>(505) 884-1990</u>
CONTACTOR:	<u>N/A</u>	CONTACT:	_____
ADDRESS:	_____	PHONE:	_____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

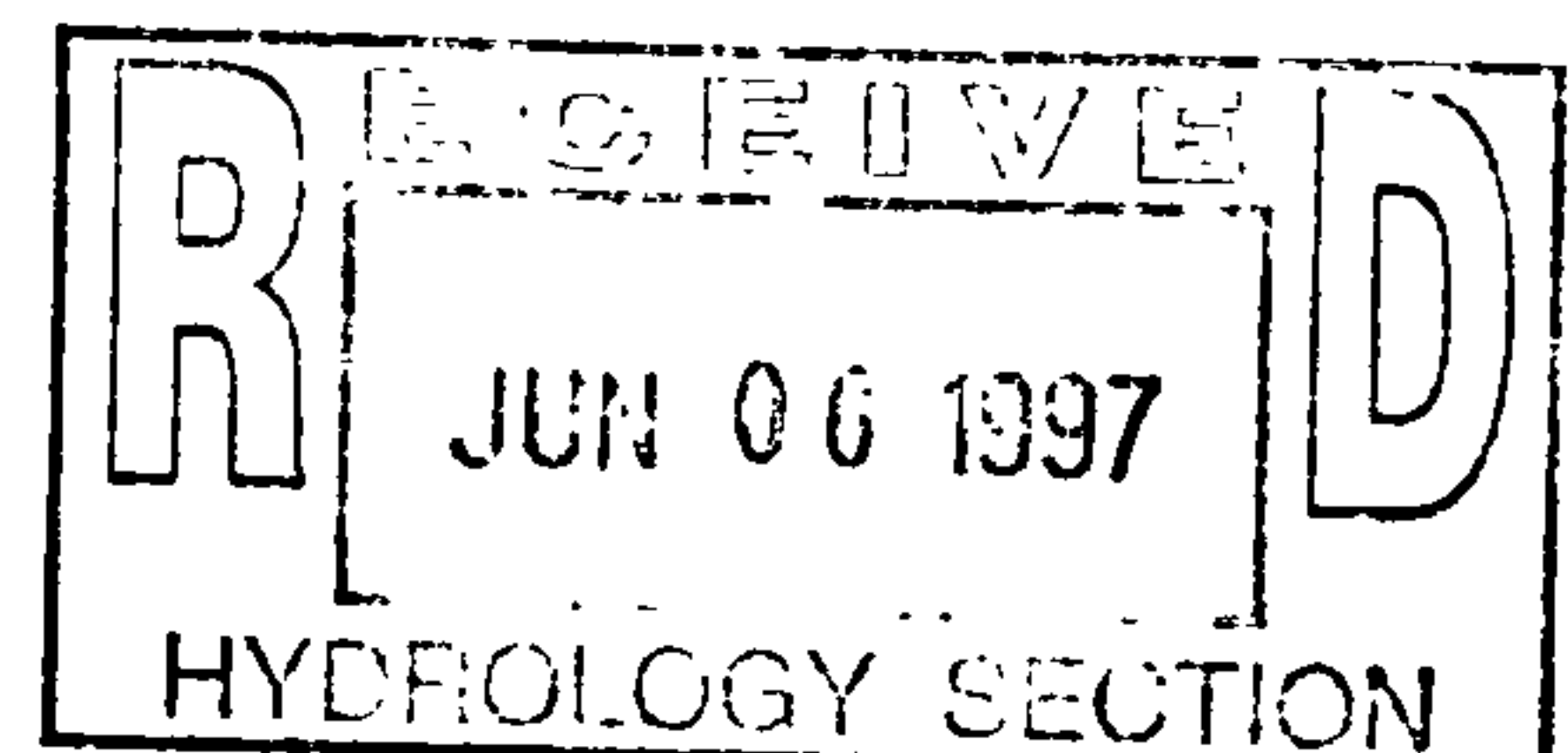
CHECK TYPE OF APPROVAL SOUGHT:

☐ 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
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER

DATE SUBMITTED: _____

BY: _____

Mark Goodwin
Mark Goodwin, P.E.





D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

June 5, 1997

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: Hilton Garden Inn, Albuquerque; L15-D47

Dear Mr. Montoya:

We offer the following response to your letter dated 5/23/97:

1. We met with Transportation in March to review our proposed Site Plan and at that time they did not require us to design the intersection of Mulberry and Gibson. Meanwhile, this driveway does not impact the AMAFCA rundown. After your comments of 4/10/97, we changed the grading and drainage concept to specifically avoid any impact to the rundown.
2. Our firm designed the site to the east. That project was allowed free discharge to Gibson. We are attaching the correspondence to that effect.
3. We have modified and added enough spot elevations to clarify matters.
4. Subsequent to our topography survey, the remaining portion of the site to the east appears to have been leveled and seeded for what we guess were marketing purposes. Field review indicates minor, undeveloped flows might reach Gibson from this area.
5. We are attaching preliminary Work Order drawings by which we propose to relocate the inlets.

With this submittal, we are requesting Building Permit approval. Please contact our office if you have any additional questions or comments.

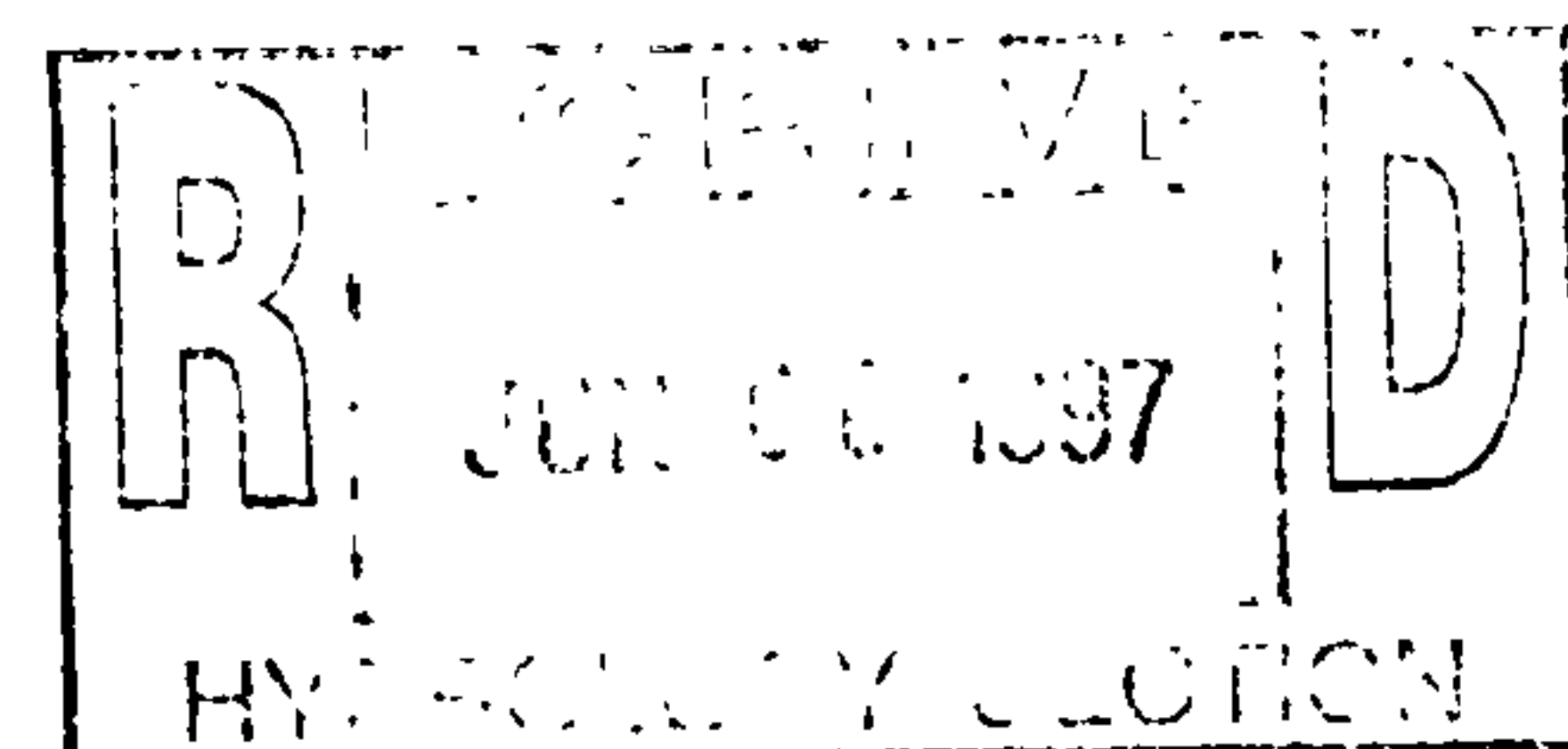
Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

Mark Goodwin, PE
President

DMG/sb

b:\hilton.abq\comments.no1





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 6, 1995

SEP 11 REC'D

Gregory J Krenik
Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, NM 87199

RE: BUDGETEL INN (L15-D42) GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT. ENGINEER'S STAMP DATED 8-30-95.

Dear Mr. Krenik:

Based on the information provided on your August 30, 1995 submittal for the above referenced project, the following comments must be addressed before Building Permit Approval:

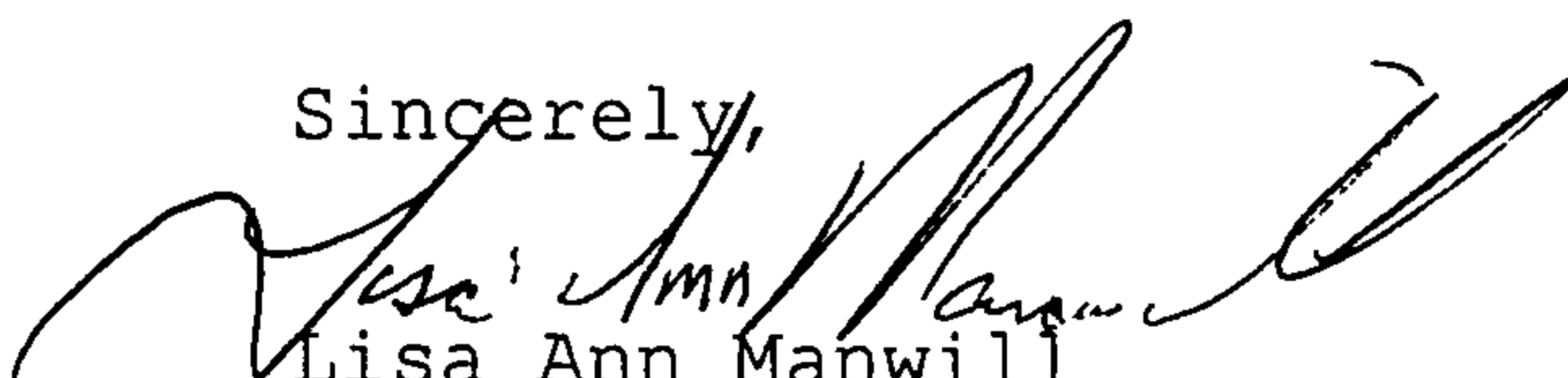
1. Show what area each catch basin intercepts. Basin boundary lines would be appropriate.
2. Give pipe size from CB #1 to MH #1.
3. Draw lines on pipe solution graph in your report. It is your responsibility to do all aspects of the design.
4. You need to relate your site to the approved plat. The legal description given is not detailed enough.

In the future, clearly label all your calculations and quantify all offsite flows. It would simplify the review process if you would add to your report a narrative explaining, in general, what you are trying to accomplish.

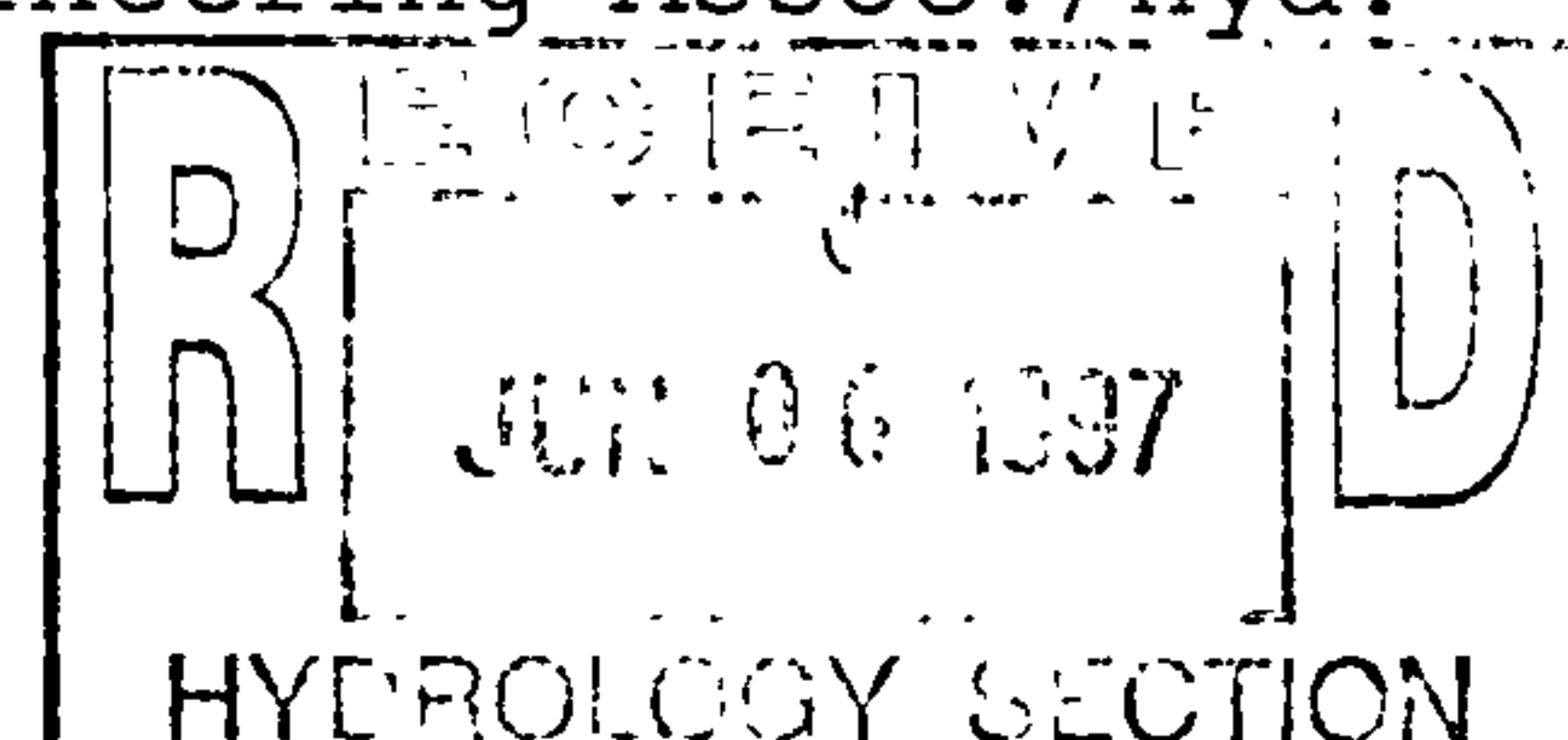
[Also, free discharge is allowed to Gibson Avenue. A Gibson Avenue storm drain system is anticipated in the near future.]

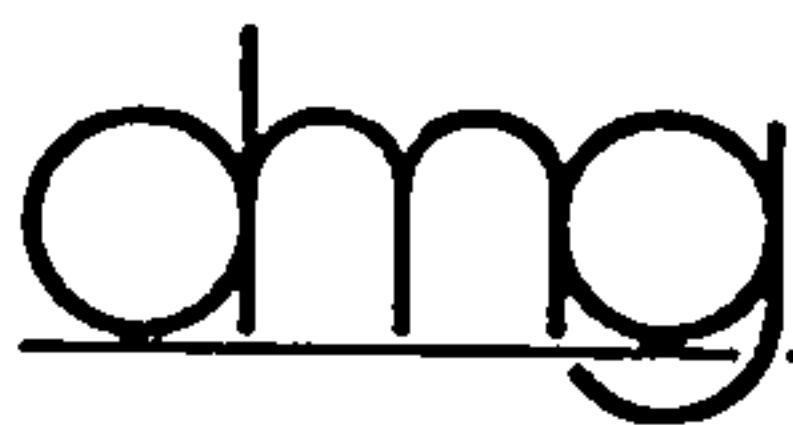
If I can be of further assistance, please feel free to contact me at 768-3622.

Sincerely,


Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File





D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

PROJECT Hilton - Alb.
SUBJECT Drainage
BY MG DATE 4/19/97
CHECKED _____ DATE _____
SHEET 1 OF 1

Need to size swales & Channels

$$Q = CLH^{3/2}$$

$$C = 2.9$$

$$H = 0.50' \quad H^{3/2} = 0.35$$

For Eastern swale:

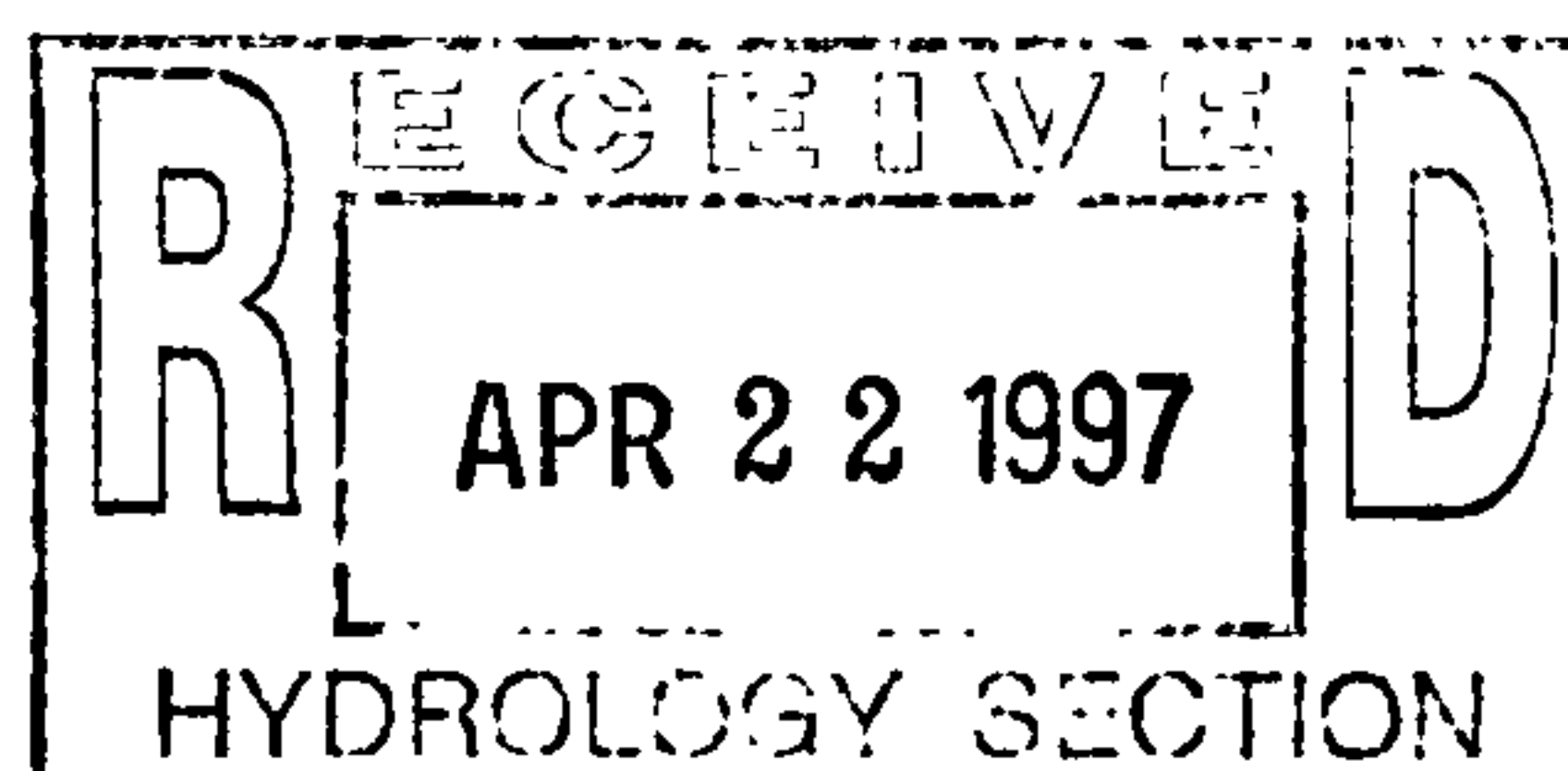
$$Q = 3.6 \text{ cfs}$$

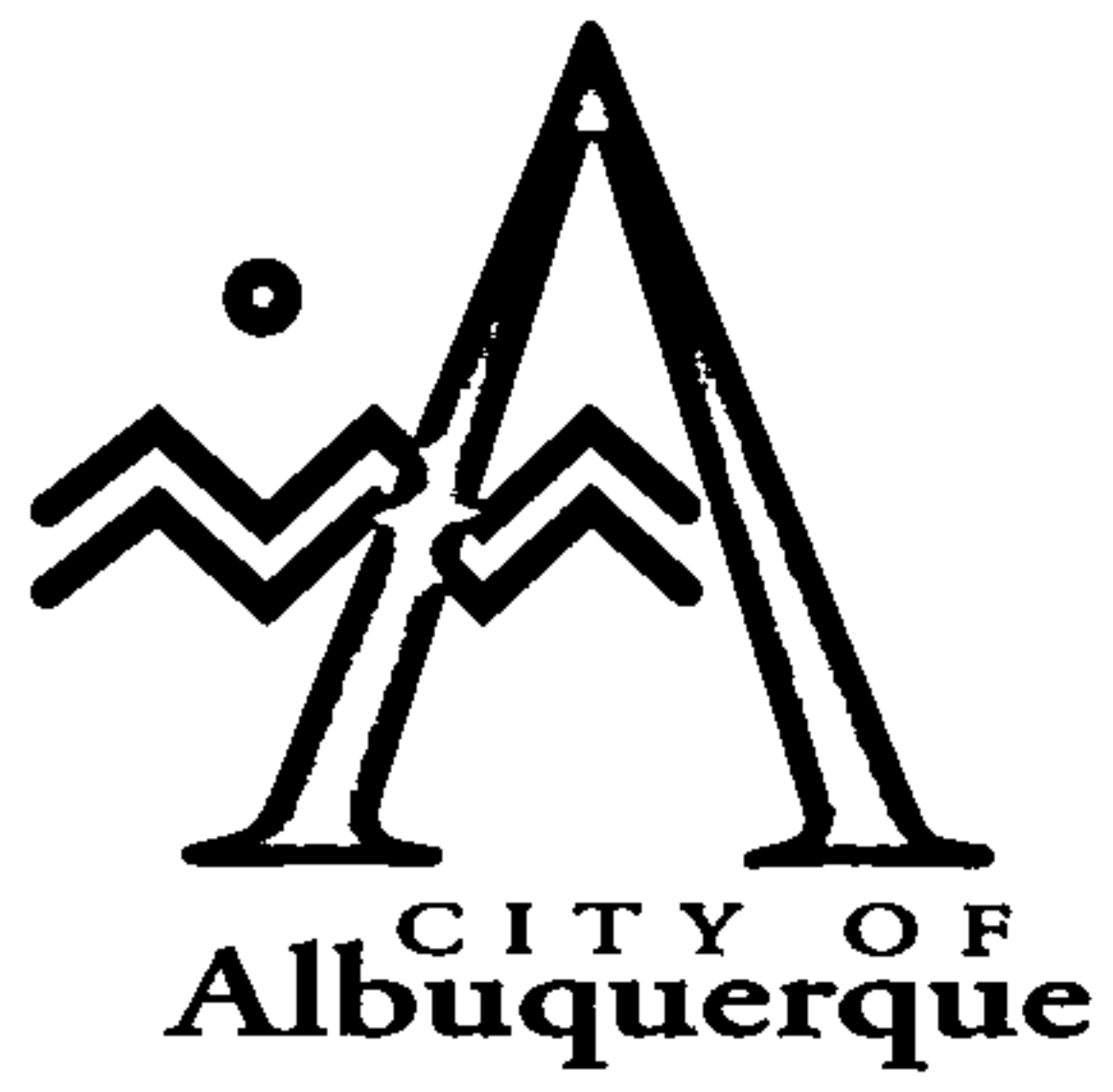
$$L = 3.68' \text{ vs. } 8' \text{ O.K.}$$

Western Channels:

$$Q = 4.91 \text{ cfs}$$

$$L = 4.98' \text{ vs. } 5' \text{ O.K.}$$





Martin J. Chávez, Mayor

Good for You, Albuquerque!

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





May 23, 1997

Martin J. Chávez, Mayor
Mark Goodwin
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

Robert E. Gurulé, Director

RE: DRAINAGE PLAN FOR HILTON GARDEN INN (L15-D47) ENGINEER'S STAMP
DATED 4/19/97

Dear Mr. Goodwin:

Based on the revised information provided on your April 19, 1997, resubmit, the following concerns need to be addressed prior to approval:

1. Intersection at the western edge of the property at Gibson and Mulberry is scheduled to be signalized in the future. This entrance must therefor be designed to accommodate a fully signalized intersection. This will effect the adjacent AMAFCA rundown. Show entire intersection.
2. Flows have been diverted entirely onto Gibson Blvd. If this drainage scheme is to be used, adequate capacity on Gibson must be demonstrated. Ideally, all on site flows would be routed directly to the channel without encroaching into the Gibson Blvd. Roadway right-of-way.
3. The spot elevations defined at the retaining wall along the north side of the property do not match the slopes defined in the shown cross section.
4. It appears from the information shown that the site is accepting off site flows from the property to the east. Has this lot been improved and if so, how are the flows diverted?
5. How will the catch basins located in the western drive at Gibson to be addressed?

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

C: Andrew Garcia

File

Sincerely,

A handwritten signature in cursive script that reads 'Bernie J. Montoya'.

Bernie J. Montoya CE
Engineering Associate

Good for You, Albuquerque!





D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

April 21, 1997

Mr. Bernie Montoya
Hydrology Division
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: Hilton Garden Inn, Albuquerque ; L15/D47

Dear Mr. Montoya:

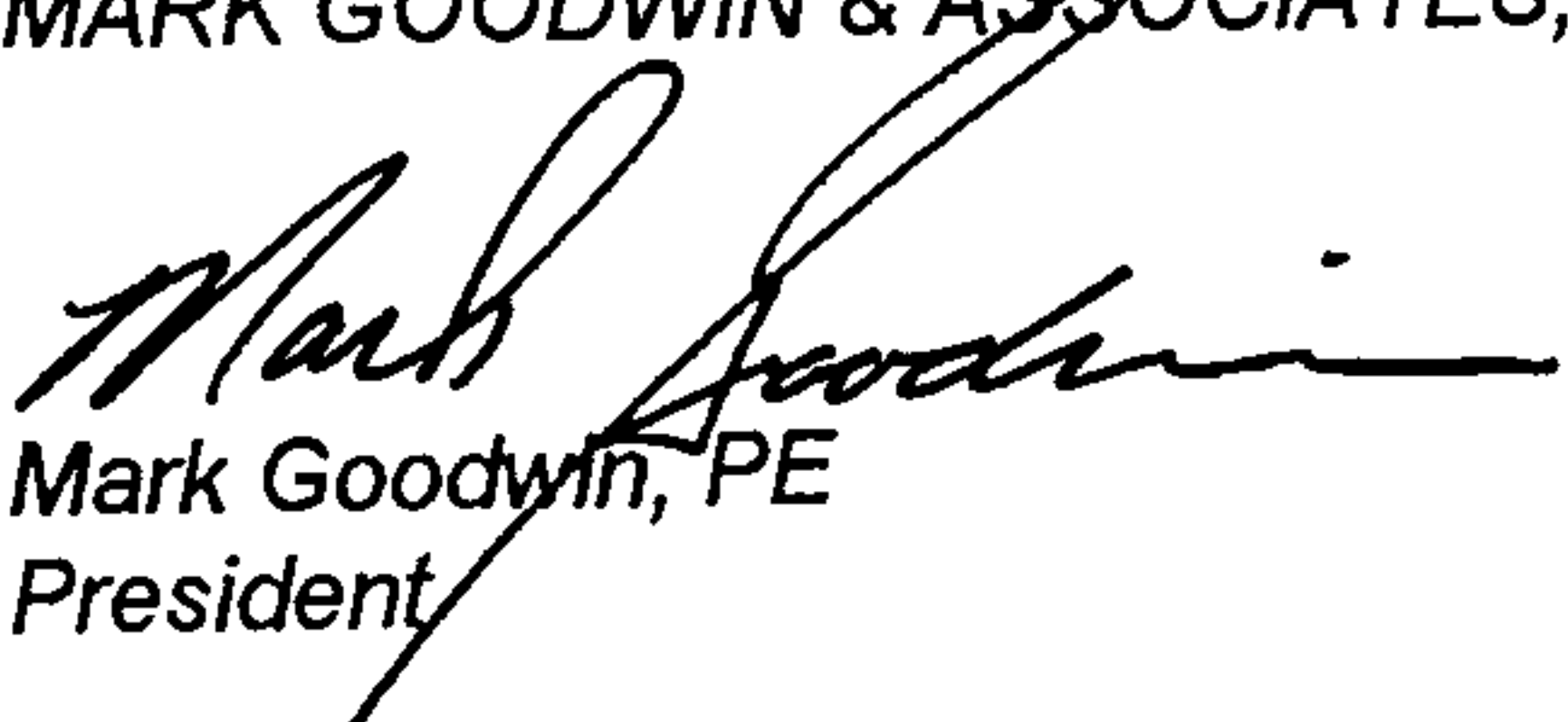
We are in receipt of your letter dated 4/10/97, and offer the following:

1. We have regraded the site such that all flows exit via the driveways. AMAFCA approval should not be necessary.
2. We have defined a landscaped swale in more detail north of the restaurant.
3. We are attaching additional hydraulic calculations verifying capacities.
4. We have added contours instead of slopes.
5. Roof runoff will be conveyed via swales through curb openings or sidewalk culverts.

With this submittal, we hereby request Building Permit Approval. Please contact me if you have any further questions or comments.

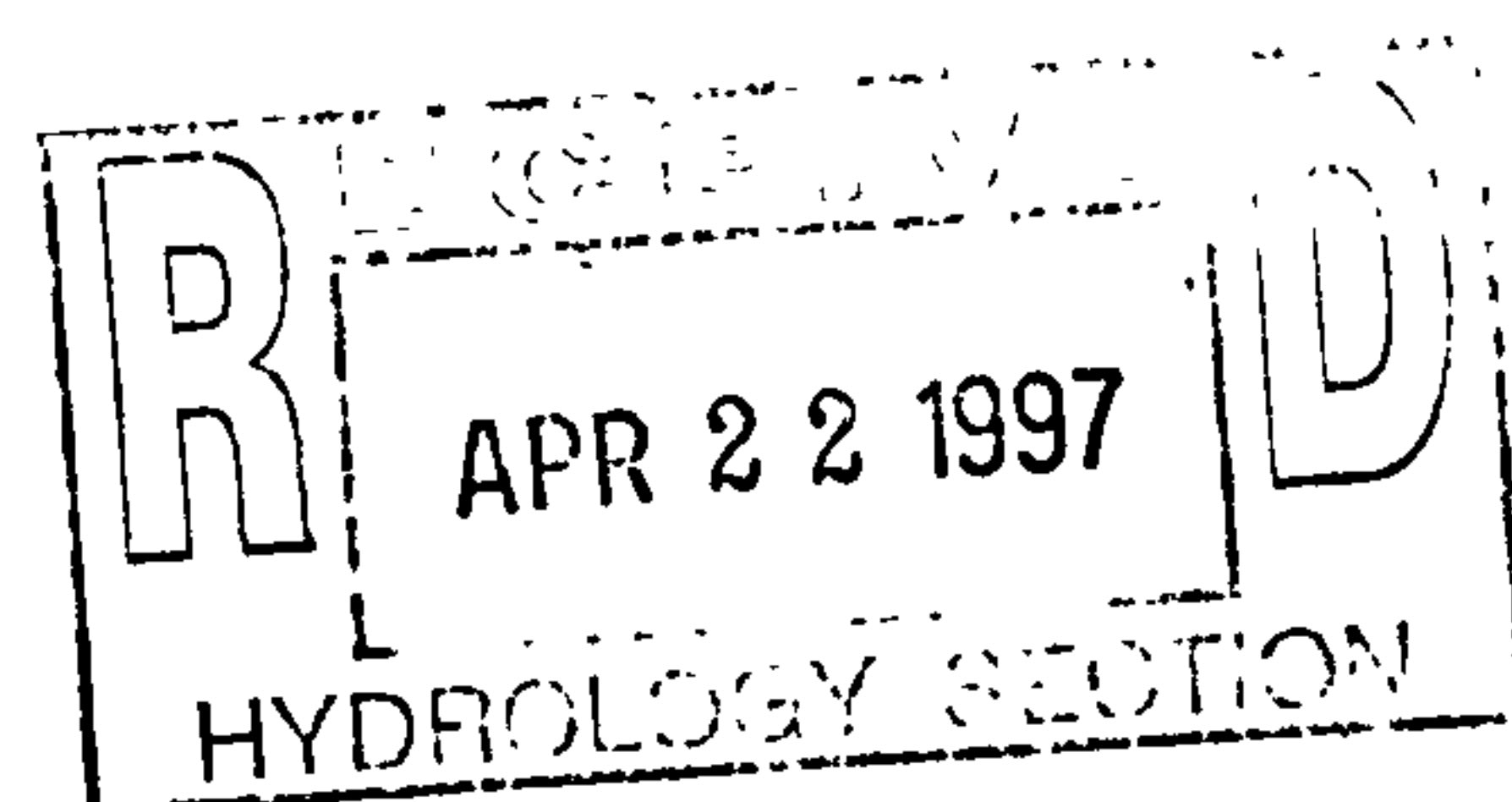
Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.


Mark Goodwin, PE
President

DMG/sb

b:\hilton.abq\comments





Martin J. Chávez, Mayor

Robert E. Gurulé, Director

April 10, 1997

Mark Goodwin
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: DRAINAGE PLAN FOR HILTON GARDEN INN (L15-D47) ENGINEER'S STAMP
DATED 4/5/97

Dear Mr. Goodwin:

Based on the information provided on your April 7, 1997 submittal, listed are some concerns that will need to be addressed prior to final approval :

1. Sign-off block for AMAFCA'S approval for release into their R/W.
2. How will the run-off from the north side of the future Restaurant site be conveyed onto the asphalt area?
3. Hydraulics for the proposed swale & valley gutter.
4. Identify the slopes within the parking areas.
5. How will the roof run-off from the proposed buildings be conveyed onto the asphalt areas?

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

C: Andrew Garcia

File

Sincerely


Bernie J. Montoya CE
Engineering Associate

Good for You, Albuquerque!

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



DRAINAGE INFORMATION SHEET

PROJECT TITLE: Hilton - Albuquerque ZONE/ATLAS/DRNG, FILE#: L-15/D47
DRB#: _____ EPC# _____ WORK ORDER#: _____
LEGAL DESCRIPTION: Portion Tract A, 40/25 Assoc. & Tracts 4&5 Gibson
CITY ADDRESS: 1401 Gibson S.E.

ENGINEERING FIRM: <u>Mark Goodwin & Associates, P.A.</u>	CONTACT: <u>Mark Goodwin</u>
ADDRESS: <u>P.O. Box 90606 Albuquerque, NM 87199</u>	PHONE: <u>(505) 345-2010</u>
OWNER: <u>Chartwell Leisure</u>	CONTACT: <u>Adrian Warner</u>
ADDRESS: <u>605 3rd Avenue New York, NY 10158</u>	PHONE: <u>(212) 692-1400</u>
ARCHITECT: <u>Rabun, Hogan, OTA, Rasche Architects</u>	CONTACT: <u>Curtis Johnson</u>
ADDRESS: <u>805 Peachtree St. Atlanta, GA 30308</u>	PHONE: <u>(404) 888-9939</u>
SURVEYOR: <u>Aldrich Land Surveying, Inc.</u>	CONTACT: <u>Tim Aldrich</u>
ADDRESS: <u>P.O. Box 30701 Albuquerque, NM 87107</u>	PHONE: <u>(505) 884-1990</u>
CONTACTOR: <u>N/A</u>	CONTACT: _____
ADDRESS: _____	PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

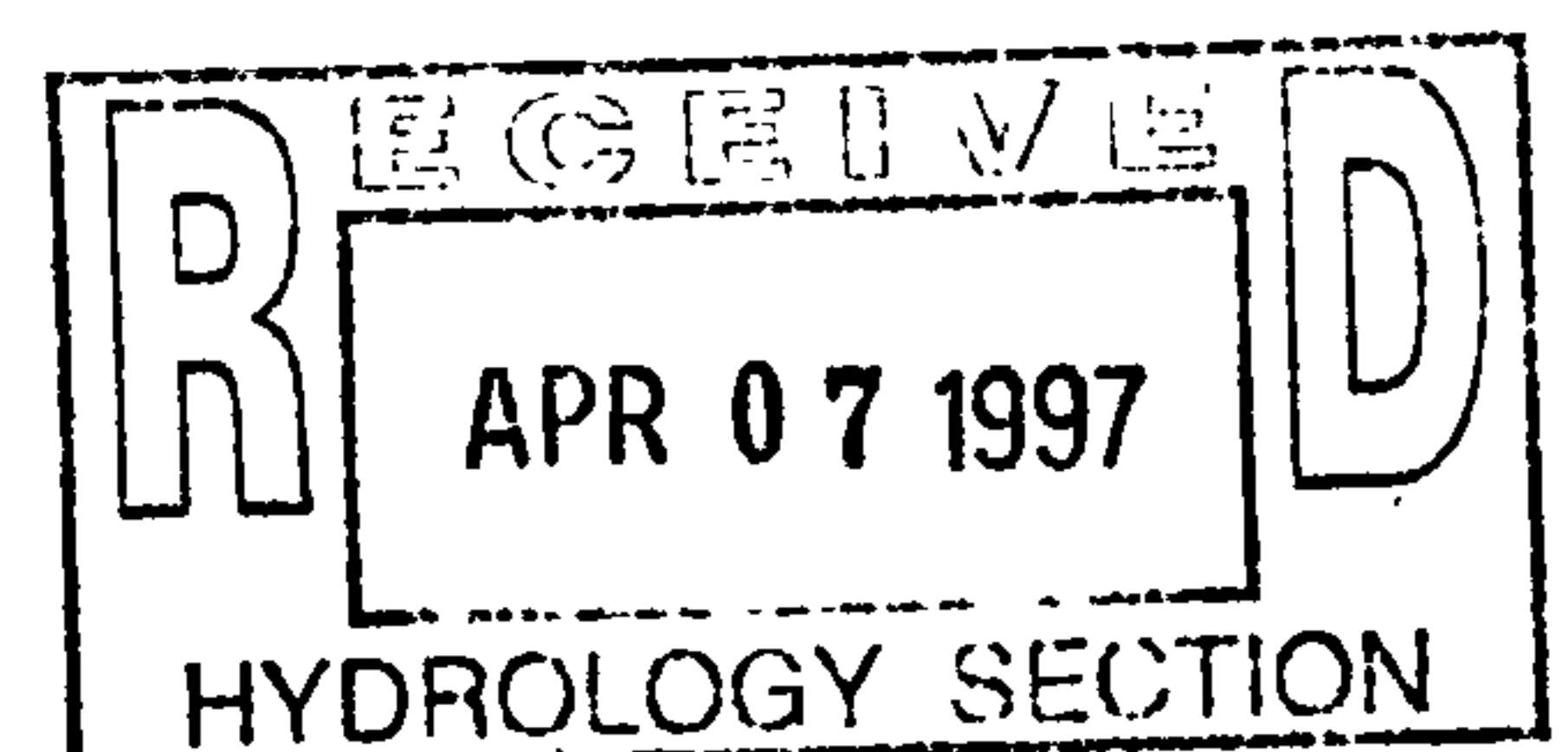
CHECK TYPE OF APPROVAL SOUGHT:

☐ 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
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER

DATE SUBMITTED: 4/7/97

BY: Mark Goodwin

Mark Goodwin, P.E.



DRAINAGE INFORMATION SHEET

PROJECT TITLE:	Hilton - Albuquerque	ZONE/ATLAS/DRNG, FILE#:	L-15 / D47
DRB#:	EPC#	WORK ORDER#:	
LEGAL DESCRIPTION:	Portion Tract A, 40/25 Assoc. & Tracts 4&5 Gibson		
CITY ADDRESS:	1401 Gibson S.E.		
ENGINEERING FIRM:	Mark Goodwin & Associates, P.A.	CONTACT:	Mark Goodwin
ADDRESS:	P.O. Box 90606 Albuquerque, NM 87199	PHONE:	(505) 345-2010
OWNER:	Chartwell Leisure	CONTACT:	Adrian Warner
ADDRESS:	605 3rd Avenue New York, NY 10158	PHONE:	(212) 692-1400
ARCHITECT:	Rabun, Hogan, OTA, Rasche Architects	CONTACT:	Curtis Johnson
ADDRESS:	805 Peachtree St. Atlanta, GA 30308	PHONE:	(404) 888-9939
SURVEYOR:	Aldrich Land Surveying, Inc.	CONTACT:	Tim Aldrich
ADDRESS:	P.O. Box 30701 Albuquerque, NM 87107	PHONE:	(505) 884-1990
CONTACTOR:	N/A	CONTACT:	
ADDRESS:		PHONE:	

TYPE OF SUBMITTAL:

☐	DRAINAGE REPORT
☒	DRAINAGE PLAN
☐	CONCEPTUAL GRADING & DRAINAGE PLAN
☒	GRADING PLAN
☐	EROSION CONTROL
☐	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
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☐	CERTIFICATION OF OCCUPANCY APPROVAL
☐	GRADING PERMIT APPROVAL
☐	PAVING PERMIT APPROVAL
☐	S.A.D. DRAINAGE REPORT
☐	DRAINAGE REQUIREMENTS
☐	OTHER

DATE SUBMITTED:

4/21/97

BY:

Mark Goodwin, P.E.

