



City of Albuquerque

March 24, 2000

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

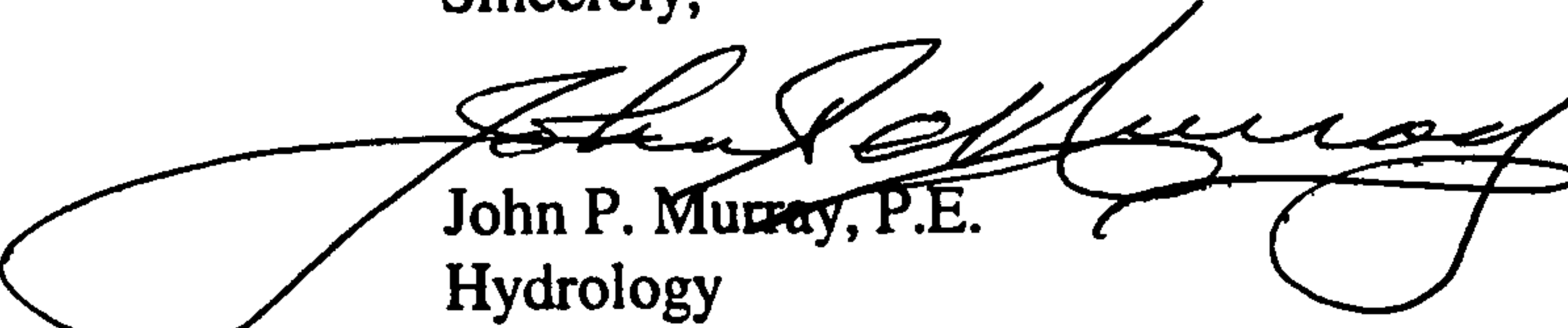
**RE: WOOD-HELMICK OFFICE, RICHFIELD PARK (C17-D108). ENGINEER'S
CERTIFICATION FOR CERTIFICATE OF OCCUPANCY APPROVAL. ENGINEER'S
STAMP DATED MARCH 3, 2000.**

Dear Mr. Clark:

Based on the information provided on your March 13, 2000 submittal, the above referenced project is approved for Certificate of Occupancy, A 30-day Temporary C.O. had been issued on March 14, 2000.

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

Sincerely,



John P. Murray, P.E.
Hydrology

c: Whitney Reiersen
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Helmick OFF ZONE ATLAS/DRNG. FILE #: C-17/D108

DRB #: 99-151 EPC# _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT 28, Richfield Park

CITY ADDRESS: 8809 Washington NE B7114

ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark

ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444

OWNER: Leader Tech. CONTACT: Dana Wood

ADDRESS: _____ PHONE: 856-6400

ARCHITECT: Arch. Studio CONTACT: Mark

ADDRESS: _____ PHONE: 889-3030

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 _____

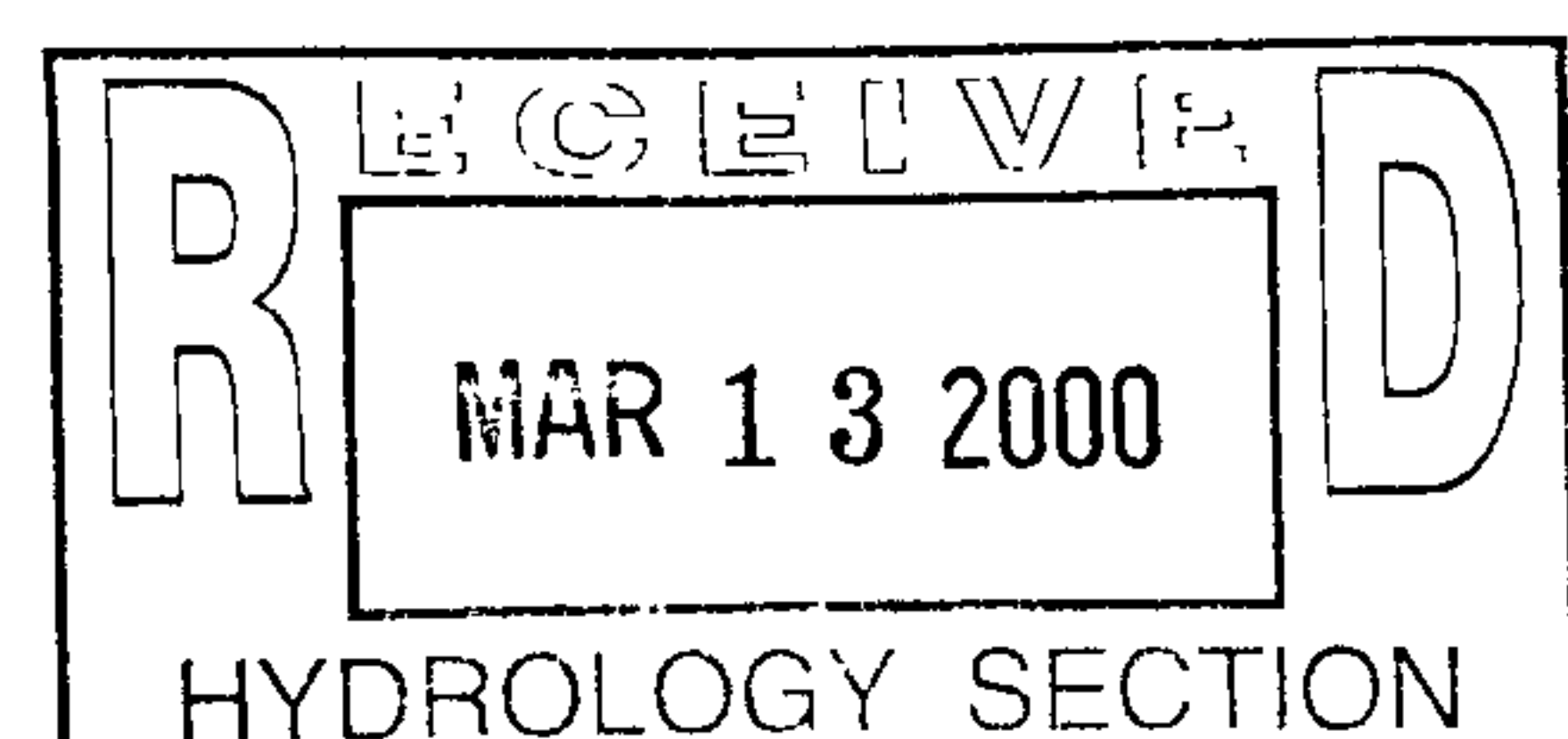
PRE-DESIGN MEETING:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

- 3/14
- 30-day Temp
- JH
- APPROVAL SOUGHT:
- ☐ APPROVAL
 - ☐ AT APPROVAL
 - ☐ SUB'D. APPROVAL
 - ☐ S. DEV. PLAN FOR BLDG PER. 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: 3/13/00
Submitted by: [Signature]



March 13, 2000

City Hydrology Division
Public Works Dept.
P.O. Box 1293
Albuquerque, NM 87103

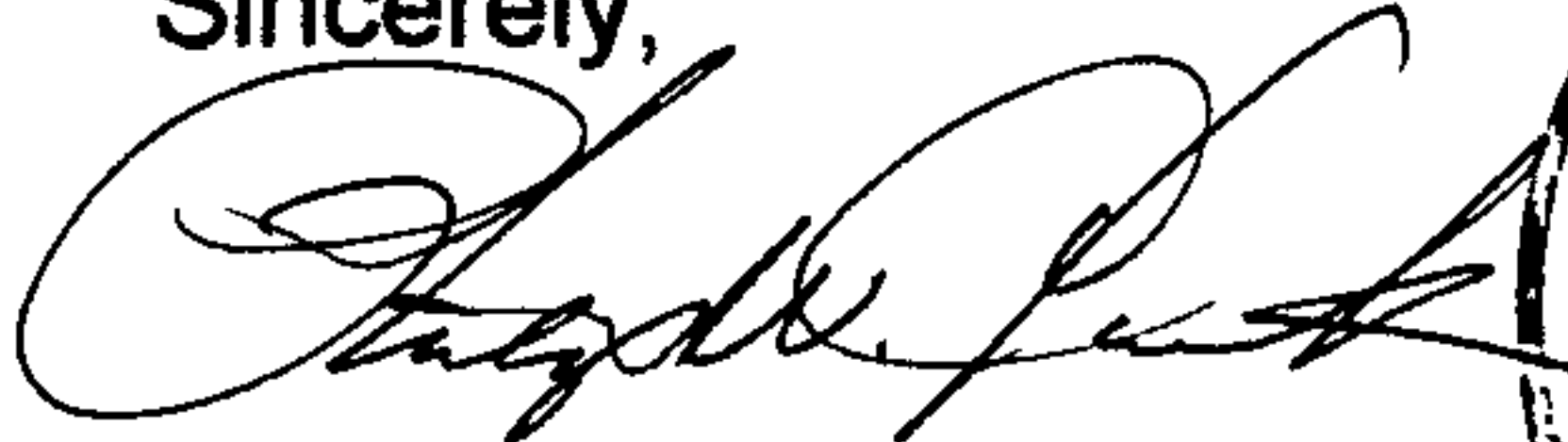
Re: Engineer's Certification for Wood Office Building
C-17/D108, Lot 28 Richfield Office Park, 8809 Washington St. NE

Dear Stuart and Whitney:

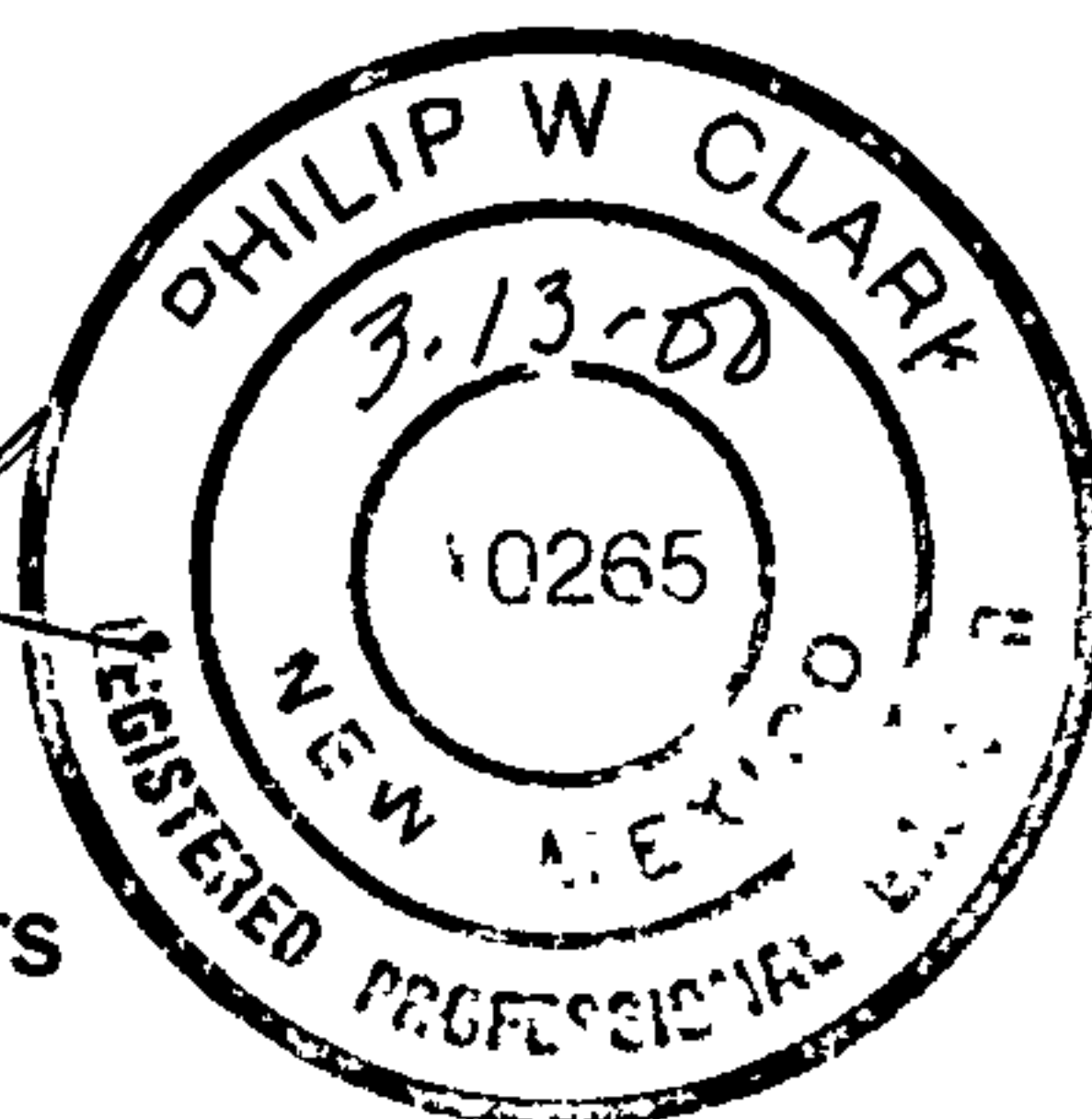
Based on inspection and field measurements taken last Tuesday, the constructed grading and drainage improvements were installed in substantial compliance with the approved plan, dated 7/27/99. Additionally, the parking striping was noted to be in-place.

Should you have any questions, please feel free to call me.

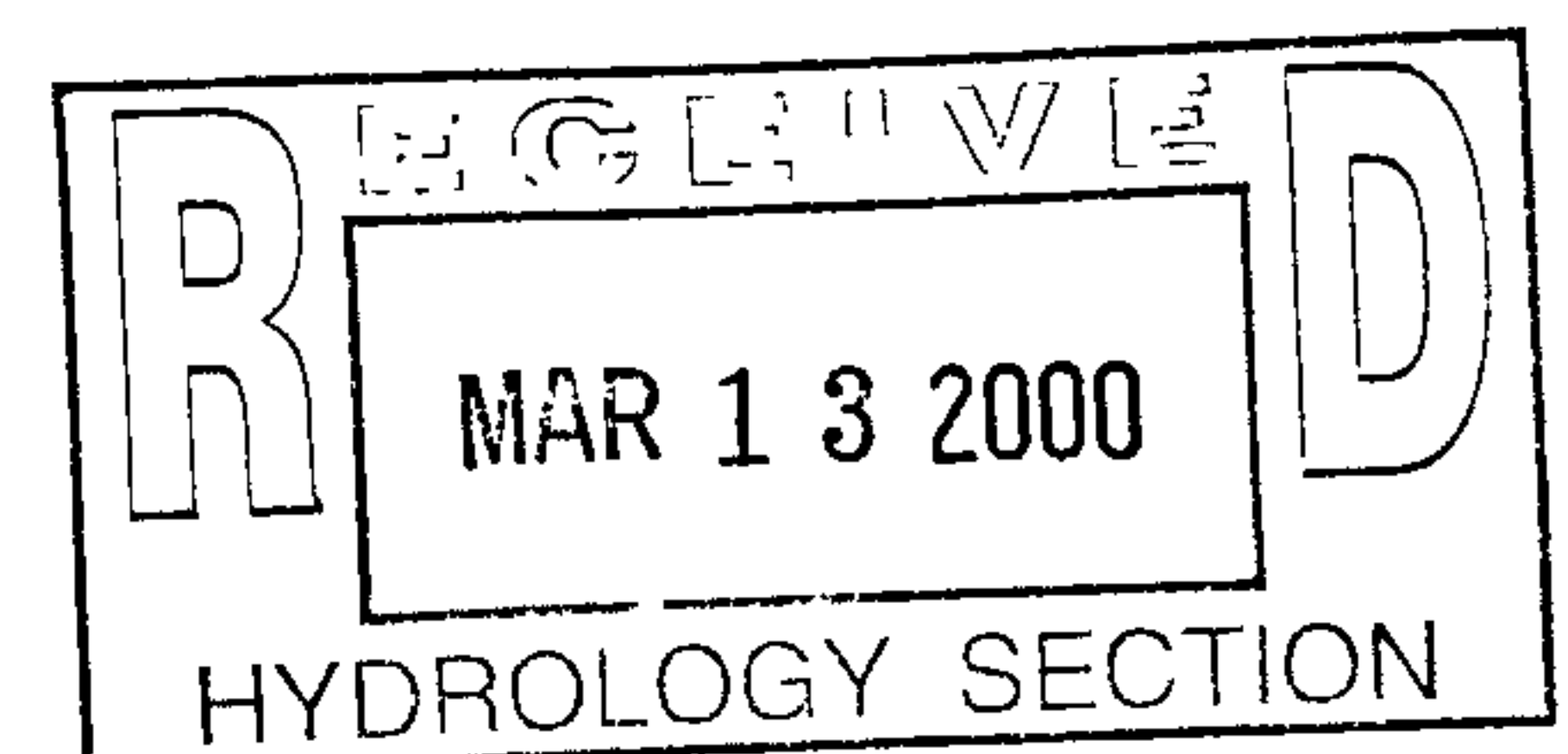
Sincerely,



Philip W. Clark, P.E.
Clark Consulting Engineers



Attachments, As-built plan





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 30, 1999

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

RE: WOOD-HELMICK OFFICE, RICHFIELD PARK (C17-D108). GRADING AND DRAINAGE PLAN FOR FOUNDATION PERMIT APPROVAL. ENGINEER'S STAMP DATED JULY 27, 1999.

Dear Mr.Clark:

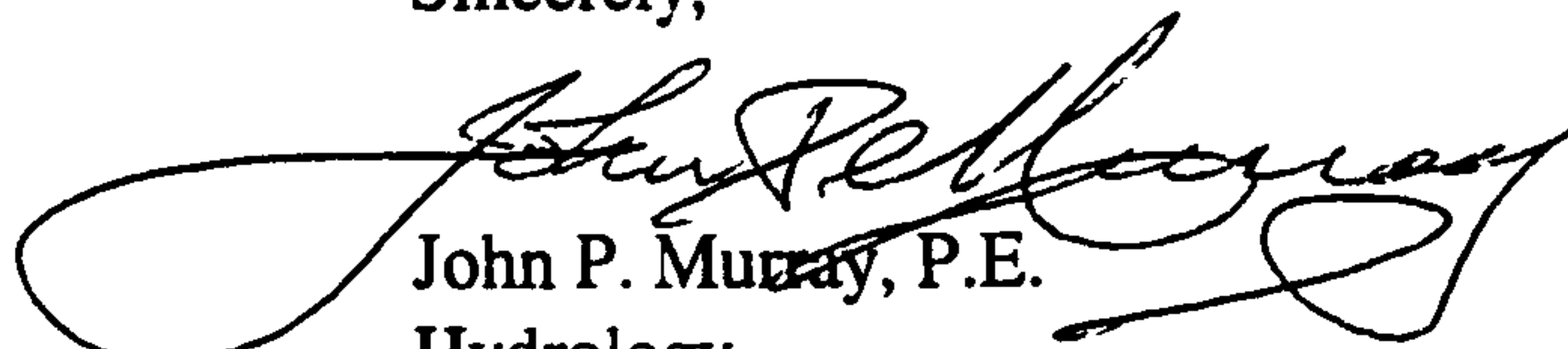
Based on the information provided on your July 28, 1999 submittal, the above referenced project is approved for Foundation Permit. (The Plan Set For The Permit Was Already In Cirulation,)

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

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

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

Sincerely,


John P. Murray, P.E.
Hydrology

c:✓ File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Helmick OFF. ZONE ATLAS/DRNG. FILE #: C-17/D108
 DRB #: 99-151 EPC# _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: LOT 28, Richfield Park
 CITY ADDRESS: 8809 Washington NE 87114
 ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark
 ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444
 OWNER: Leader Tech. CONTACT: Dana Wood
 ADDRESS: _____ PHONE: 856-6400
 ARCHITECT: Arch. Studio CONTACT: Mark
 ADDRESS: _____ PHONE: 889-3030
 SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

204-6042

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

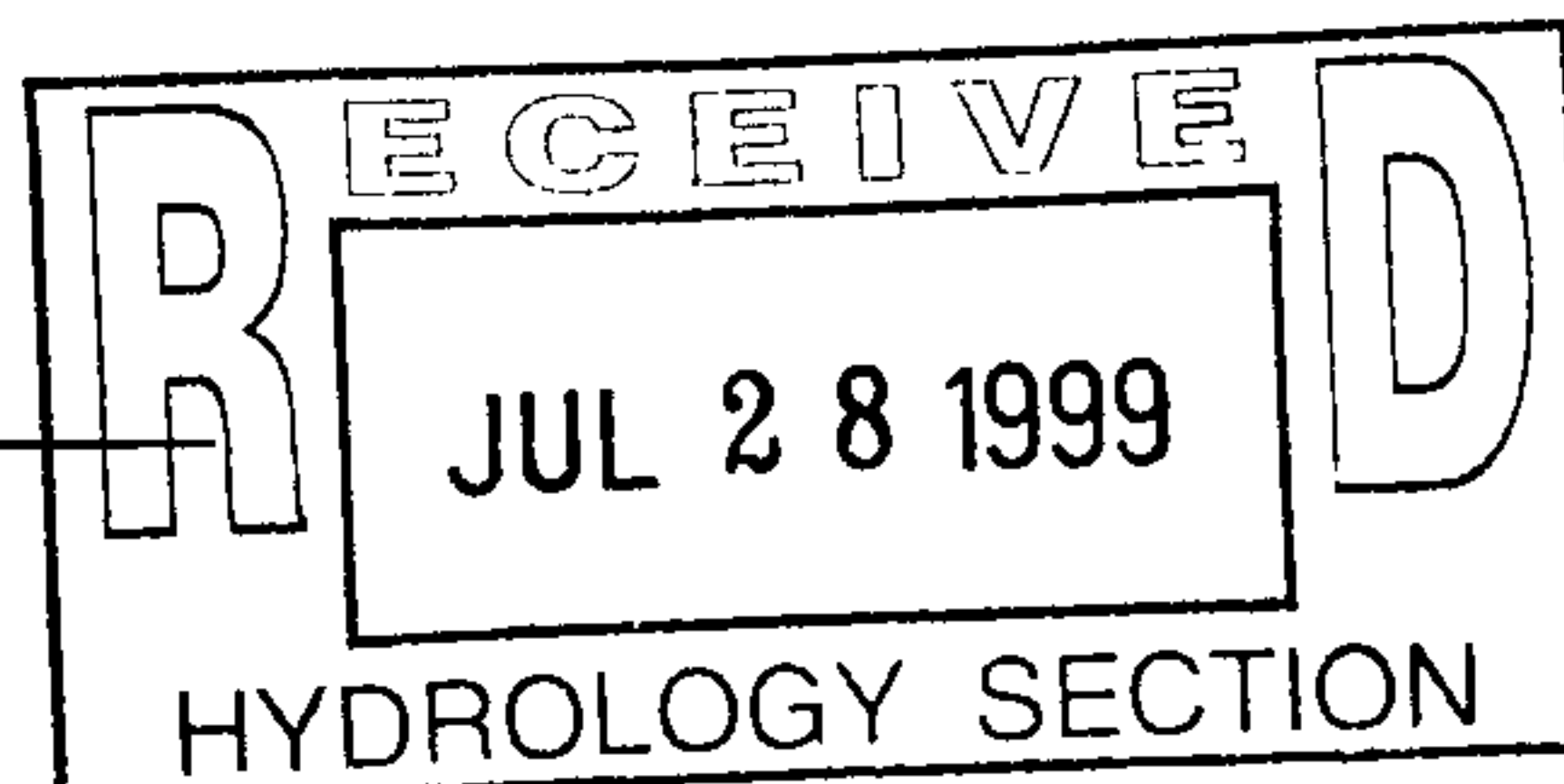
☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S.DEV. PLAN FOR SUB'D. APPROVAL
☐ S.DEV. PLAN FOR BLDG PER. APPROVAL
☐ SECTOR PLAN APPROVAL
☒ FINAL PLAT APPROVAL
☒ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ SUBDIVISION CERTIFICATION
☐ OTHER _____

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

(Specify)

Date: 7/28/99
 Submitted by: [Signature]



DATE: 7/28/99

PROJECT: Wood Hedrick
OFF - LOT 28
C-17/D108

CALCULATIONS

- ✓ Capacity of Asphalt Run-down, Exist. 15' Width
along N. Boundary (TOP)

USE $n = 0.017$... Asp.

@ NW cor. Bldg

$d = 1.5'$ $W_{\text{bot.}} = 1'$, $S = 2.5\%$, $SS_{\text{avg}} = 5:1$

∴ per Mannings Eq.

$Q_{\text{cap.}} = 150 \text{ cfs @ } 11.7 \text{ fps} < 94 \text{ cfs (Ref.)}$
Master plan

@ /OR opposite mid-pt PK9, LOT.

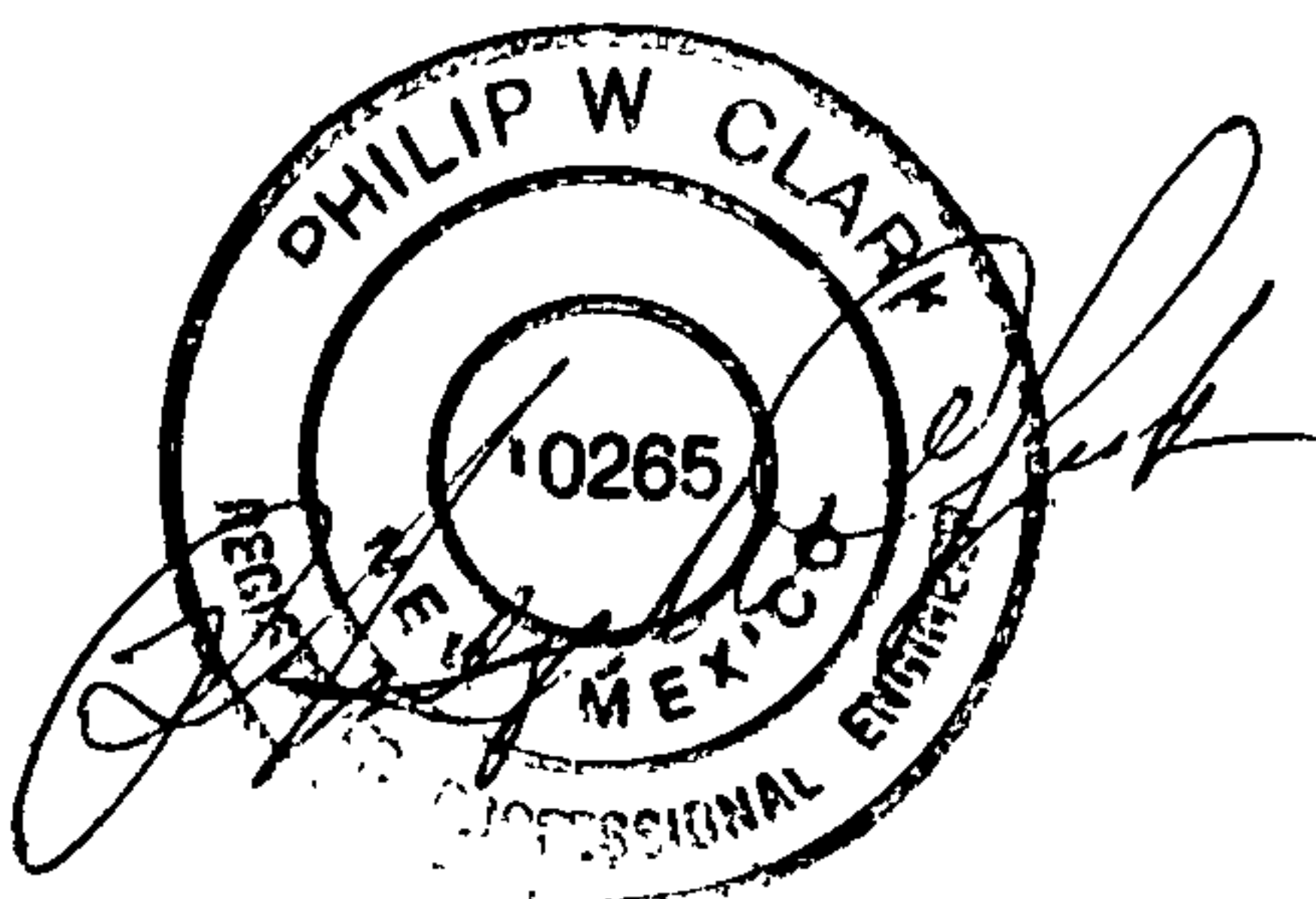
$d = 1.42'$, $W_{\text{Bot.}} = 1'$, $S = 1.4\%$, $SS_{\text{avg.}} = 5:1$

$Q = 98 \text{ cfs @ } 8.5 \text{ fps} \dots \text{OK}$

@ Run-down proposed

$d = 1.5'$, $S = 1.5\%$, $SS_{\text{avg.}} = 5:1$

$Q_{\text{cap.}} = 116 \text{ cfs @ } 9.1 \text{ fps} \dots \text{OK}$





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 28, 1999

Phil Clark, PE
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

**RE: CONCEPTUAL G & D PLAN FOR WOOD-HELMICK OFFICE (C-17/D108)
RECEIVED MAY 11, 1999 FOR SITE DEVELOPMENT PLAN
ENGINEER'S STAMP DATED 5/9/99**

Dear Mr. Clark:

Based on the information included in the submittal referenced above, City Hydrology accepts the concept of this plan. Address the following comments prior to Building Permit:

It would expedite the review, if you indicated which drainage file the Master plan was in. The master Plan indicates that Basin B discharges about 94 cfs to the temporary swale at Columbine. What is the capacity of the temporary swale. This site may need to improve the swale. Have you discussed the concrete rundown with Glenn Jurgensen. Storm Maintenance must inspect and accept it. Is it practical to sheet flow runoff from this site to the swale? Provide sufficient elevations to verify water block and other drainage patterns. Which way does the roof drain? If fill option is chosen at SW corner, a copy of the executed and recorded agreement must be submitted.

If I can be of further assistance, You may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.

Project Manager, PWD/Hyd

c: Inspector
Fred Aguirre, DRB 99-151

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Wood-Helmick Office ZONE ATLAS/DRNG. FILE #: C.17/5108

DRB #: 99-151 EPC# _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT 28, Richfield Park Subd.

CITY ADDRESS: 8809 Washington St. NE

ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark

ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444

OWNER: Dana Wood. Rob Helmick CONTACT: Rob

ADDRESS: 8928 Rob's Place 87122 PHONE: (505) 264-1982

ARCHITECT: Architect Studio CONTACT: Ross Small

ADDRESS: _____ PHONE: 889-3030

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

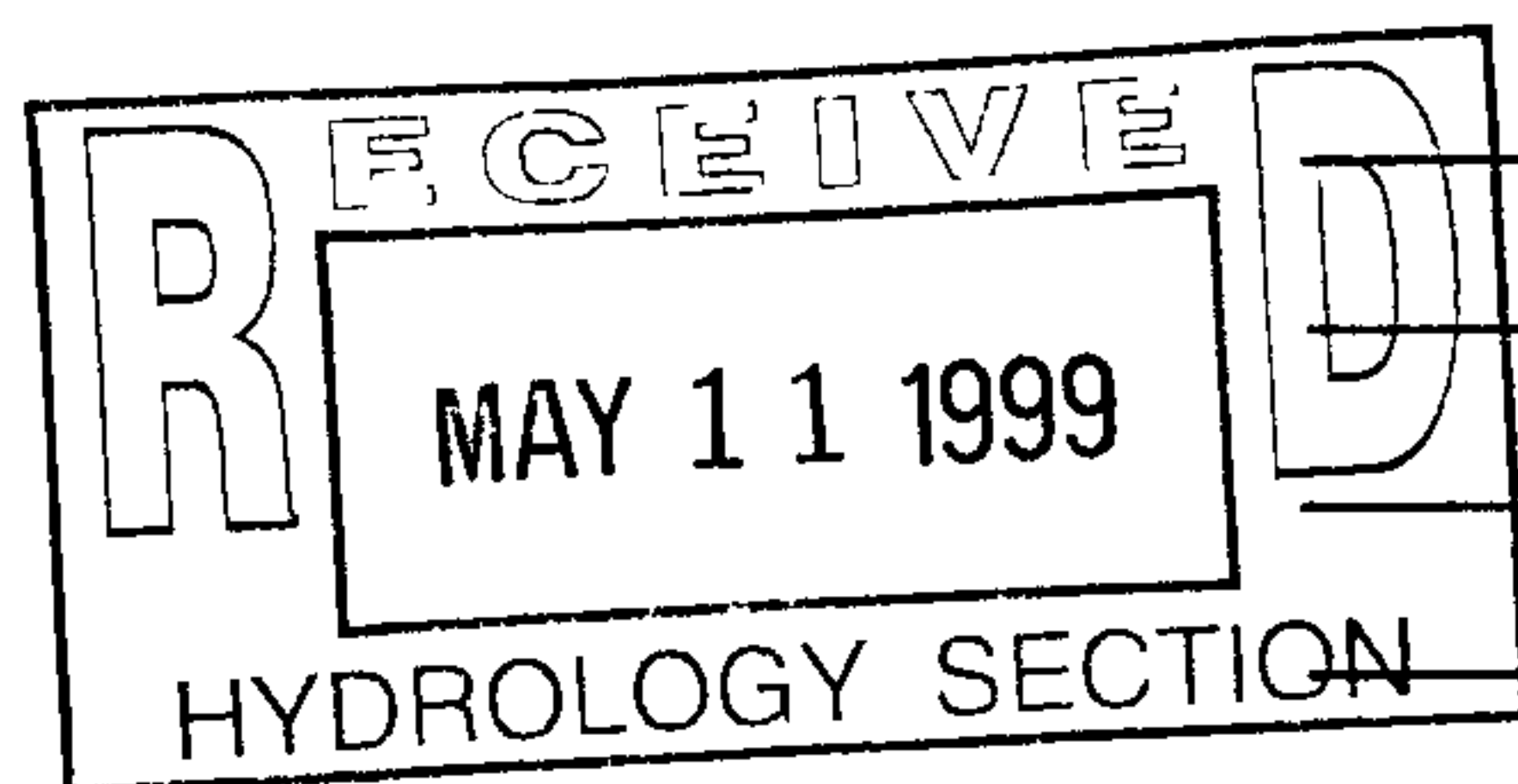
ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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- ☐ ENGINEER'S CERTIFICATION
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PRE-DESIGN MEETING:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED



CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
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- ☐ DRAINAGE REQUIREMENTS
- ☐ SUBDIVISION CERTIFICATION
- ☐ OTHER _____

(Specify)

Date: 5.11.99

Submitted by: *Philip Clark*

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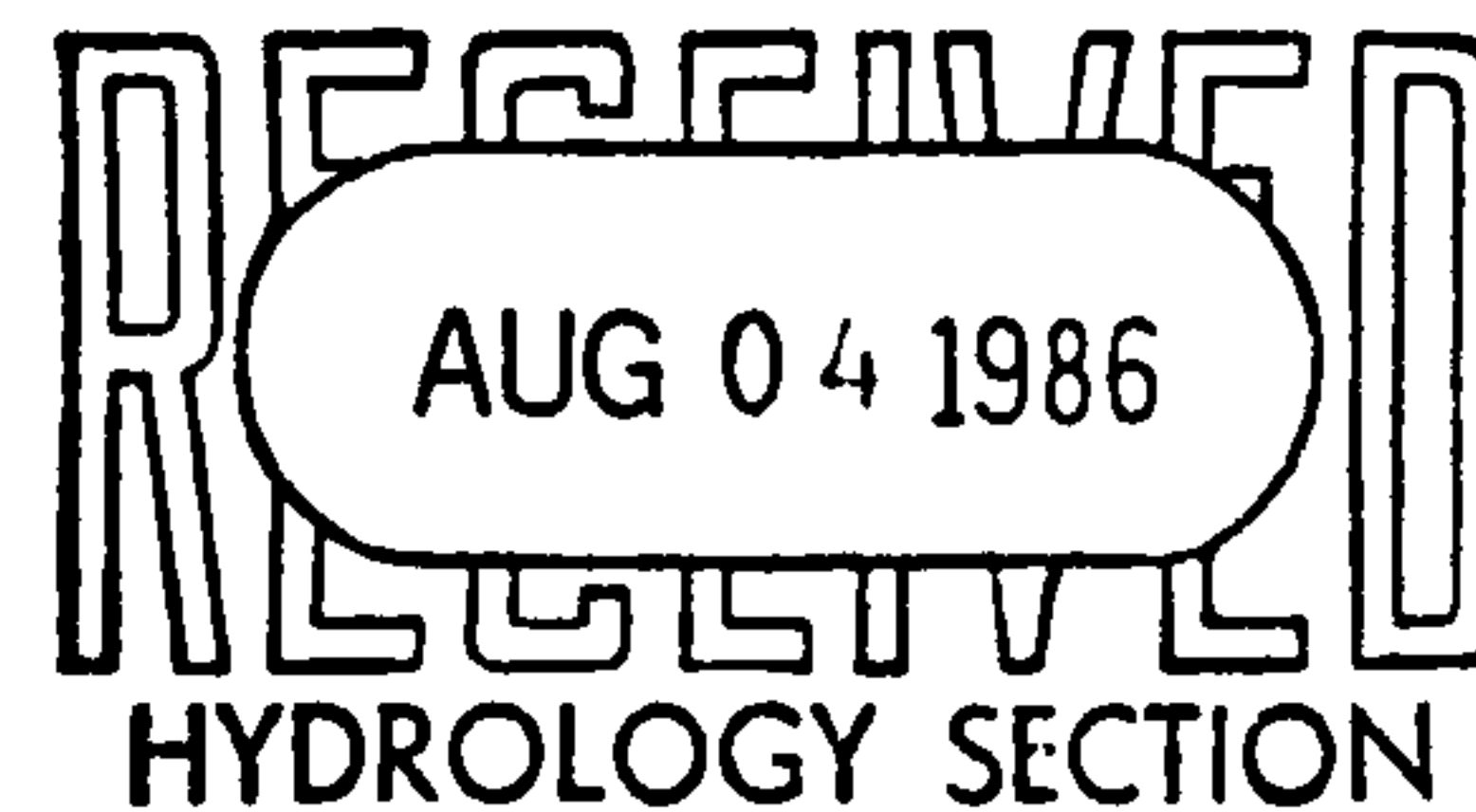
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**DRAINAGE REPORT FOR
RICHFIELD PARK**

Prepared for:
JACK M. CLIFFORD & COMPANY
P. O. Box 35640, Station D
Albuquerque, New Mexico 87176



June 30, 1986
(Revised August 1, 1986)



RICHFIELD PARK

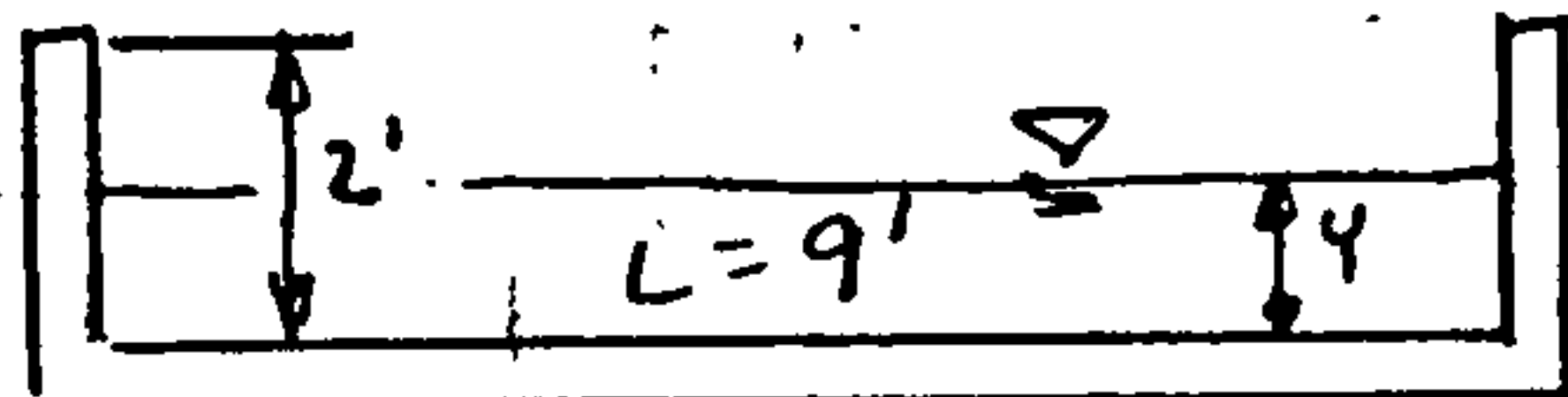
SHEET 2 OF 4 BY D.L.
DATE 8-1-86 CK BY

II RUNOFF

BASIN	A	L	H	tc	C'	CN	L ₁₀₀	Q ₁₀₀	Q ₁₀	V ₁₀₀	V ₁₀
A	31 ac	2400'	39'	15 min	0.74	88	3.78	86.7	57.0	135,040	67,520
B	31	2400	43'	15	0.80	88	3.78	93.7	61.6	135,040	67,520
C	20	2300	21'	18	0.74	88	3.44	50.9	33.4	87,120	43,560
TOTAL	82	3400	43'	21	0.76	88	3.18	198.2	130.2	357,190	178,600

III SIZE 10' CONCRETE DRAINAGE CHANNEL

A. CHANNEL SECTION



⇒ USE MANNINGS
EQN TO CHECK
DEPTH REQ'D

BASIN 'A'

$$Q_{100} = 86.7 \text{ CFS} \quad S = 0.012$$

$$A = 94$$

$$P = 9(24)$$

$$R = 0.5$$

$$n = 0.013$$

$$Q = 86.7 = \frac{1.49}{0.013} (94) (0.5) (0.012)^{2/3}$$

$$Y = 1.2'$$

⇒ 2' CHANNEL YIELDS 0.8' FB.