



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 20, 2003

Kim Kemper, P.E.
Huitt-Zollars, Inc.
333 Rio Rancho Blvd
Rio Rancho, New Mexico 87124

RE: DEFINED FITNESS- MCLEOD (F-17/D2G)
(4930 Mcleod NE)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 2/8/2002
ENGINEERS CERTIFICATION DATED 2/5/2003

Dear Mr. Kemper:

Based upon the information provided in your Engineers Certification submittal dated 2/5/2003, the above referenced site is approved for a Permanent Certificate of Occupancy.

Please Note: In future submittals regarding Engineers Certification, please use the attached DPM approved format, in lieu of using your standard certification language. This language should be placed directly on the grading and drainage plan.

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
✓ drainage file
approval file



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

***Public Works Department
Transportation Development Services Section***

May 21, 2002

Fred Robinson for Joe L. Slagle, Reg. Architect,
JLS Architects
1600 Rio Grande Blvd. N.W.
Albuquerque, NM 87104

Re: Traffic Circulation Layout (TCL) Submittal for Building Permit Approval for
Defined Fitness - Addition/Remodel, [F17 / D002G]
4930 McLeod N.E.
No Architect's Stamp

Dear Mr. Robinson:

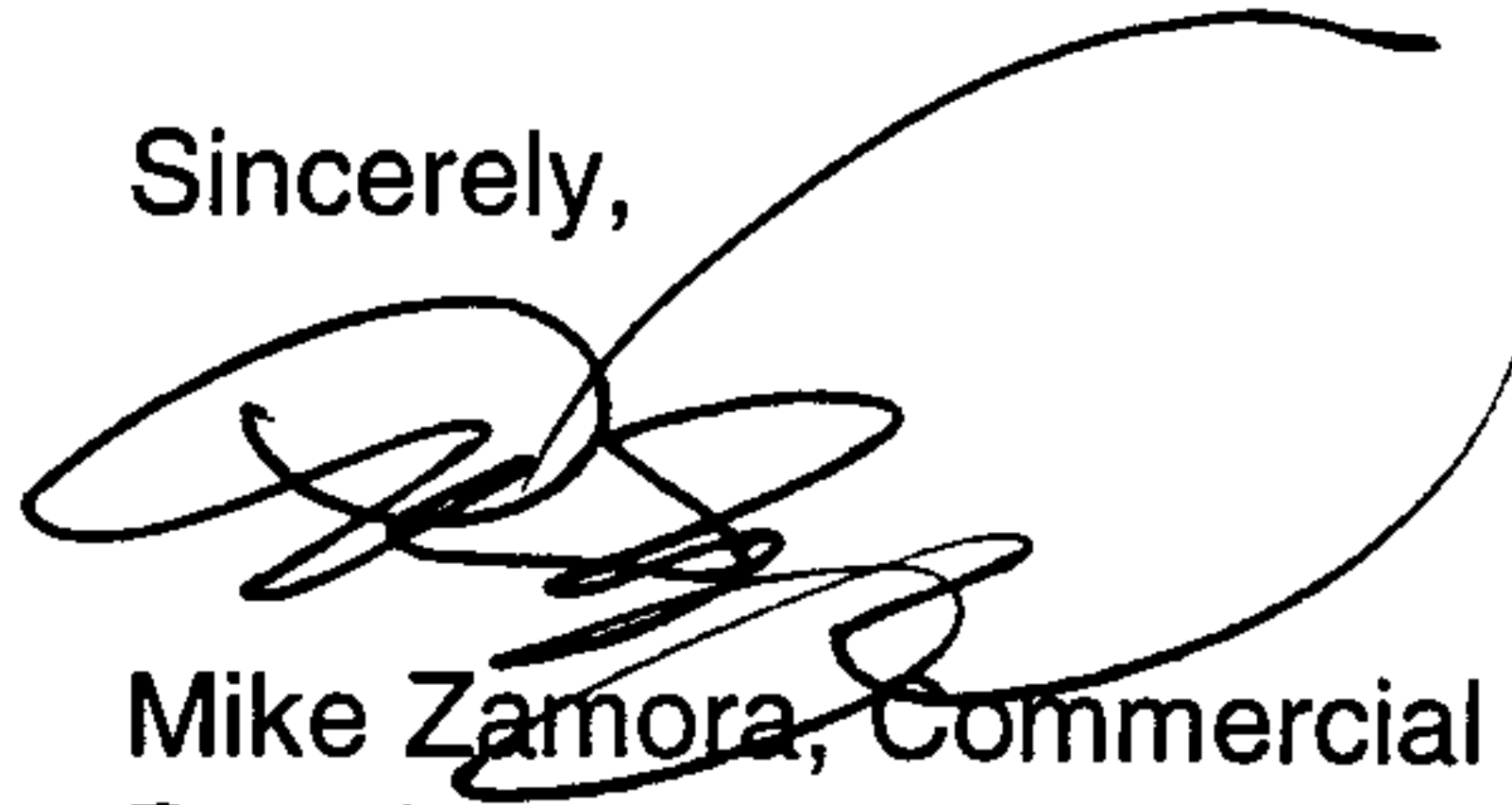
The TCL submittal, dated May 22, 2002, is sufficient for acceptance by this office and is stamped and signed as such. Four copies are routinely required: two for submittal of building permit plans, one was made for this office and one to be kept by you to be used for certification of the site for final C.O. for Hydrology/Transportation. The plan as approved had no Designer's seal, signed and dated. On all subsequent submittals be sure to submit with Designer's seal, signed and dated.

When the superintendent of this project calls for a Temporary C.O. immediate issuance is no longer possible at the time of the call. An exact copy of the approved TCL, marked up, showing incomplete work remaining, along with a letter of certification is required prior to issuance of the Temporary C.O.

When site is complete and a Final C.O. is needed, a Letter of Certification, stating (including the word "Certify/Certification") that the site was built in substantial compliance, needs to be attached to your exact copy of the stamped, approved TCL. Letter or TCL must be stamped with the designer's seal for the certification. Seal must be signed and dated for that submittal. This and all documentation must be submitted with a completed Drainage Information Sheet (also used for the Grading and Drainage submittal) to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that Final C.O. has been issued to the superintendent, call Building Safety at 924-3306.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mike Zamora', with a large, sweeping flourish extending upwards and to the right.

Mike Zamora, Commercial Plan Checker -
Development and Building Services
Planning Department

c: Engineer
Hydrology file
Mike Zamora

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

MCLEOD 1 NEW 2
002G

PROJECT TITLE: DEFINED FITNESS Addition/REMODEL ZONE MAP/DRG. FILE #: F-17/
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: TRACTS A-2-A & B ALWOODS SUBDIVISION
CITY ADDRESS: 4930 MCLEOD ROAD NE

ENGINEERING FIRM: KIM KEMPER (Holtz-Zellers)
ADDRESS: _____
CITY, STATE: Rio Rancho

CONTACT: _____
PHONE: 883-8114
ZIP CODE: _____

OWNER: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

ARCHITECT: JLS ARCHITECTS
ADDRESS: 1600 RIO GRANDE BLVD. NW
CITY, STATE: ALBUQUERQUE, NM 87104

CONTACT: FRED ROBINSON
PHONE: 246-0870
ZIP CODE: 87104

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

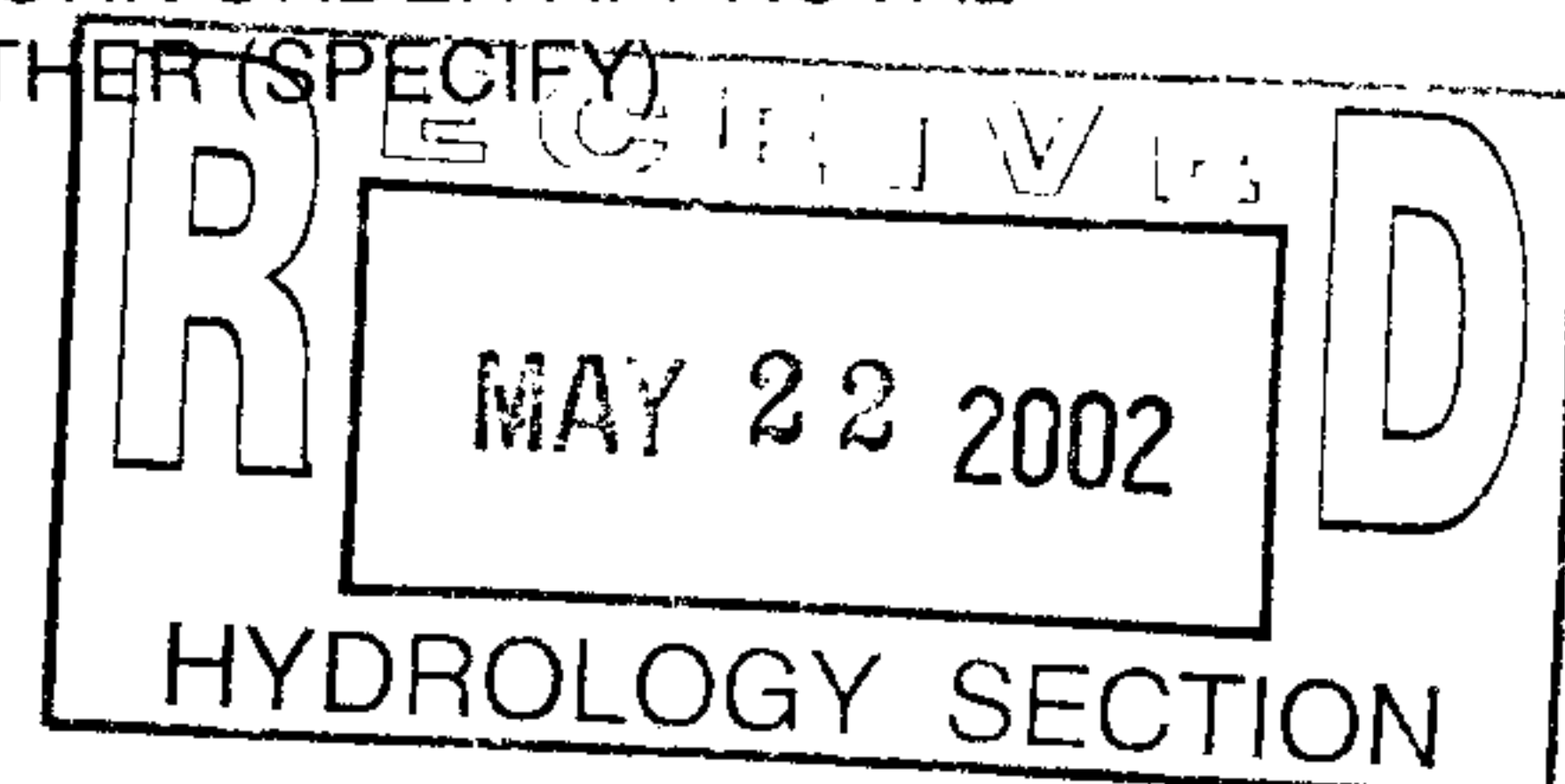
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☒ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ 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 (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP.)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED



DATE SUBMITTED: 5/22/02 BY: [Signature] FRED ROBINSON
JLS ARCHITECTS

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.

5/21/02 - App'd T.C.L., Arch. Took 1 TCL, I got 1 copy; [Signature] - logged on
Sent letter Dated 5/21 (Mutation No Stamped, Signed, Dated Arch Stamp)

DRAINAGE INFORMATION SHEET
(REV. 11/01/2001)

F-17/D26

PROJECT TITLE: ADDITION TO DEFINED FITNESS ZONE MAP/DRG. FILE #: F-17-2
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: TRACTS A-2-A & B ALLWOODS SUBDIVISION
CITY ADDRESS: _____

ENGINEERING FIRM: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

OWNER: DEFINED FITNESS
ADDRESS: 4930 McLEOD ROAD NE
CITY, STATE: ALBUQUERQUE, NM

CONTACT: JEFF OLIVELA
PHONE: 888-7097
ZIP CODE: 87109

ARCHITECT: JLS ARCHITECTS
ADDRESS: 1600 RIO GRANDE NW
CITY, STATE: ALBUQUERQUE, NM

CONTACT: FRED ROBINSON
PHONE: 246-0870 (3#)
ZIP CODE: 87104

SURVEYOR: RIO GRANDE SURVEYING
ADDRESS: PO BOX 7155
CITY, STATE: ALBUQUERQUE, NM

CONTACT: REX VOGEL
PHONE: 265-8940
ZIP CODE: 87194

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

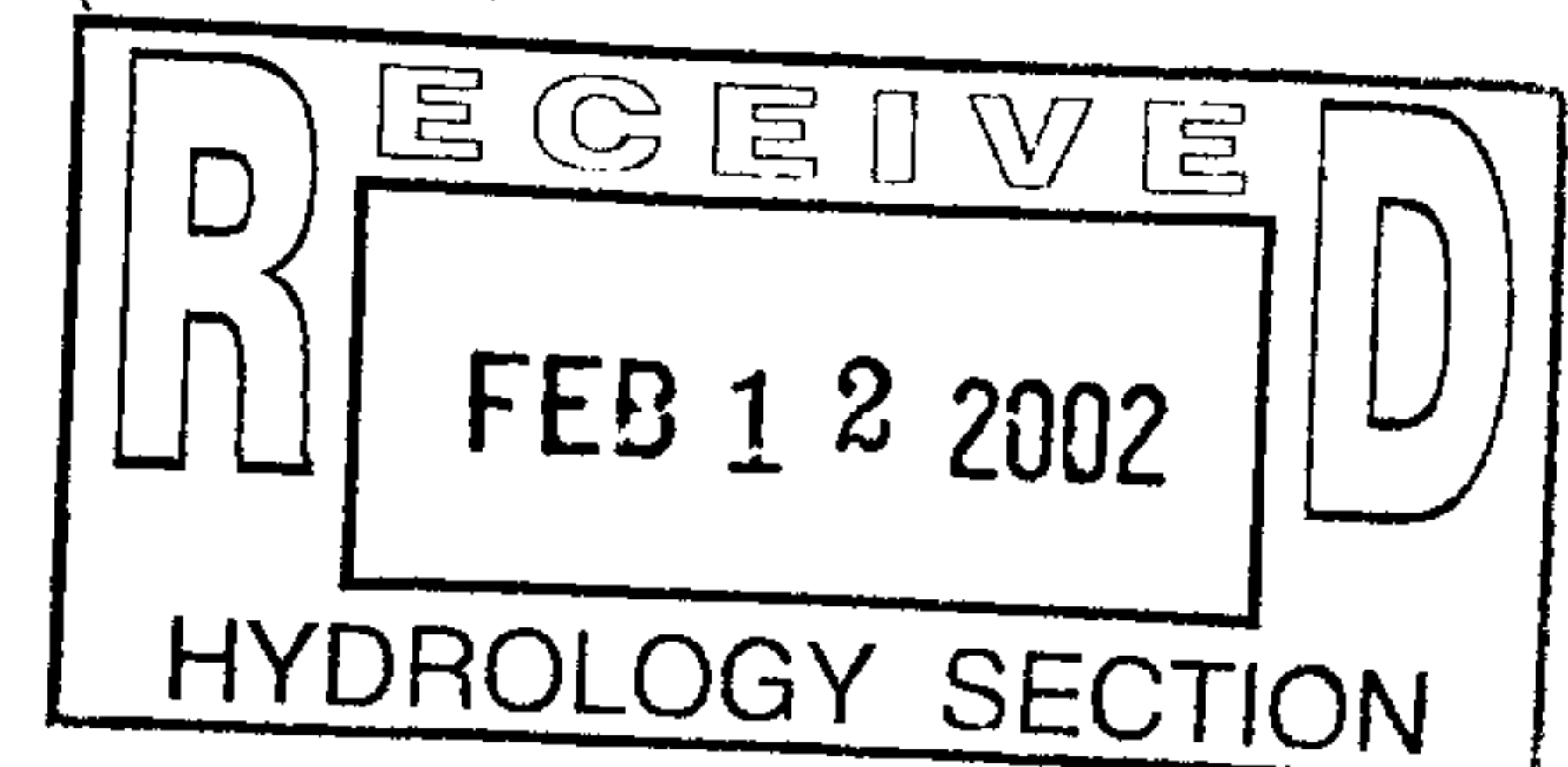
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☒ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ 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 (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☒ YES
- ☒ NO
- ☒ COPY PROVIDED



DATE SUBMITTED: 2/12/02 BY: Fred Robinson

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

2/18/02 - Diss'd T.C.L. (Waird Submittal!!); 2/18/02 - Submittal dated 2/18/02, C'd A.P.D.,
- Logged in



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Public Works Department Transportation Development Services Section

February 18, 2002

Fred Robinson for Joe L. Slagle, Reg. Architect
JLS Architects
1600 Rio Grande N.W.
Albuquerque, NM 87104

Re: TCL Submittal for Building Permit Approval for Defined Fitness Addition
4930 McLeod N.E., [F17 / D002G]
Architect's Stamp Dated 02/07/02

Dear Mr. Robinson:

The location referenced above, dated Feb. 12, 2002, is not acceptable and requires modification to the Traffic Circulation Layout (TCL) prior to Building Permit release as stated on the attached PRELIMINARY TCL checklist, and red-lined TCL markup with comments.

Please resubmit revised TCL after addressing typed and marked up comments. Submit plan along with checklist and all current and past red-lined, mark-up copies.

Sincerely,

Mike Zamora, Commercial Plan Checker
Development and Building Services
Public Works Department

c: ~~Engineer~~
Hydrology file
Mike Zamora



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 25, 2002

Kim Kemper, PE
Huitt-Zollars Inc.
333 Rio Rancho Blvd.
Rio Rancho, NM 87124

**Re: Defined Fitness-McLeod Grading and Drainage
Engineer's Stamp Dated 2-8-02, (F17/D2G)**

Dear Mr. Kemper,

Based on the information contained in your submittal dated 2-12-02, the above referenced plan is approved for Building Permit.

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

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

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

Sincerely,

Carlos A. Montoya, PE
City Floodplain Administrator, PWD
Development and Building Services

c: Terri Martin, Hydrology
File (2)



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 15, 2002

Kim Kemper, PE
Huitt-Zollars Inc.
333 Rio Rancho Blvd.
Rio Rancho, NM 87124

**Re: Defined Fitness-McLeod Grading and Drainage
Engineer's Stamp Dated 2-8-02, (F17/D2G)**

Dear Mr. Kemper,

Based on the information contained in your submittal dated 2-12-02, the above referenced plan cannot be approved for Building Permit until a current plat is provided. The plat in your recent submittal does not match lot lines with the Grading and Drainage Plan.

Our office attempted to contact you on Friday, February 15 to clarify this concern instead of sending out a letter. Please address this concern with your next submittal.

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

Sincerely,

Carlos A. Montoya, PE
City Floodplain Administrator, PWD
Development and Building Services

c: Terri Martin, Hydrology
File (2)

DRAINAGE INFORMATION SHEET

(REV. 11/01/2001)

F-17/D26
F-17

PROJECT TITLE:	DEFINED FITNESS - MCLEOD	ZONE ATLAS/DRNG. FILE #:	
DRB #:		EPC#:	
LEGAL DESCRIPTION:	TRACT A-2-A, ALLWOODS SUBDIVISION, AND TRACT B, MCLEOD CROSSING		
CITY ADDRESS:	4930 MCLEOD		
ENGINEERING FIRM:	HUITT-ZOLLARS INC	CONTACT:	KIM R. KEMPER, P.E.
ADDRESS:	333 RIO RANCHO BLVD.	PHONE:	892-5141
CITY, STATE:	RIO RANCHO, NM	ZIP CODE:	87124
OWNER:	POWER FITNESS III, INC.	CONTACT:	JEFF OLIVIERA
ADDRESS:	4930 MCLEOD	PHONE:	888-7079
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
ARCHITECT:	JLS ARCHITECTURE	CONTACT:	JOE SLAGLE
ADDRESS:	1600 RIO GRANDE BLVD	PHONE:	246-0870
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87104
SURVEYOR:	RIO GRANDE SURVEYING	CONTACT:	REX VOGLER
ADDRESS:	3700 COORS RD	PHONE:	265-8940
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87120
CONTRACTOR:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

CHECK TYPE OF SUBMITTAL:

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | DRAINAGE REPORT |
| <input checked="" type="checkbox"/> | DRAINAGE PLAN |
| <input type="checkbox"/> | CONCEPTUAL GRADING & DRAINAGE PLAN |
| <input checked="" type="checkbox"/> | GRADING PLAN |
| <input type="checkbox"/> | EROSION CONTROL PLAN |
| <input type="checkbox"/> | ENGINEER'S CERTIFICATION (HYDROLOGY) |
| <input type="checkbox"/> | CLOMR/LOMR |
| <input type="checkbox"/> | TRAFFIC CIRCULATION LAYOUT (TCL) |
| <input type="checkbox"/> | ENGINEER'S CERTIFICATION (TCL) |
| <input type="checkbox"/> | ENGINEER'S CERT. (DRB APPR. SITE PLAN) |
| <input type="checkbox"/> | OTHER |

CHECK TYPE OF APPROVAL SOUGHT:

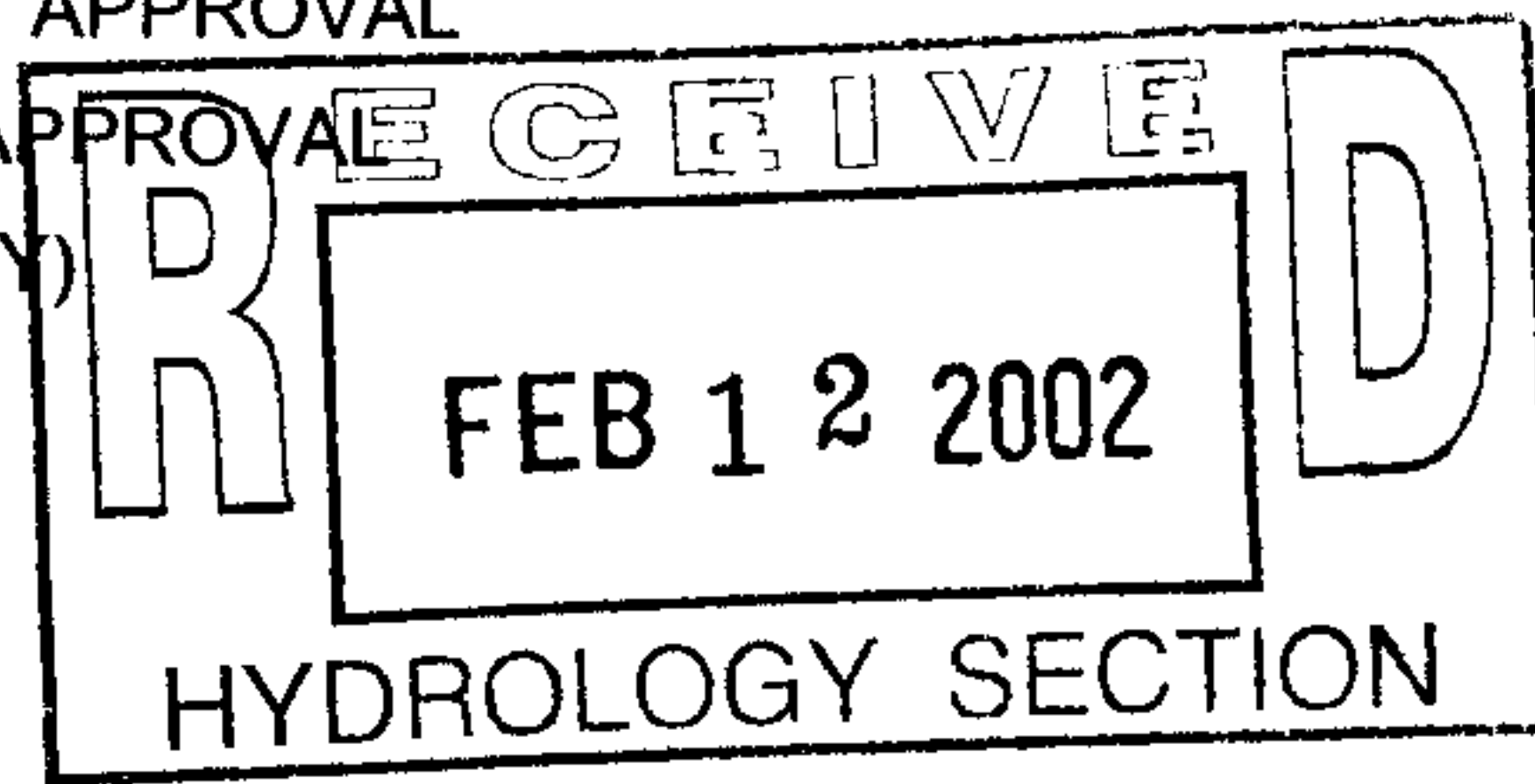
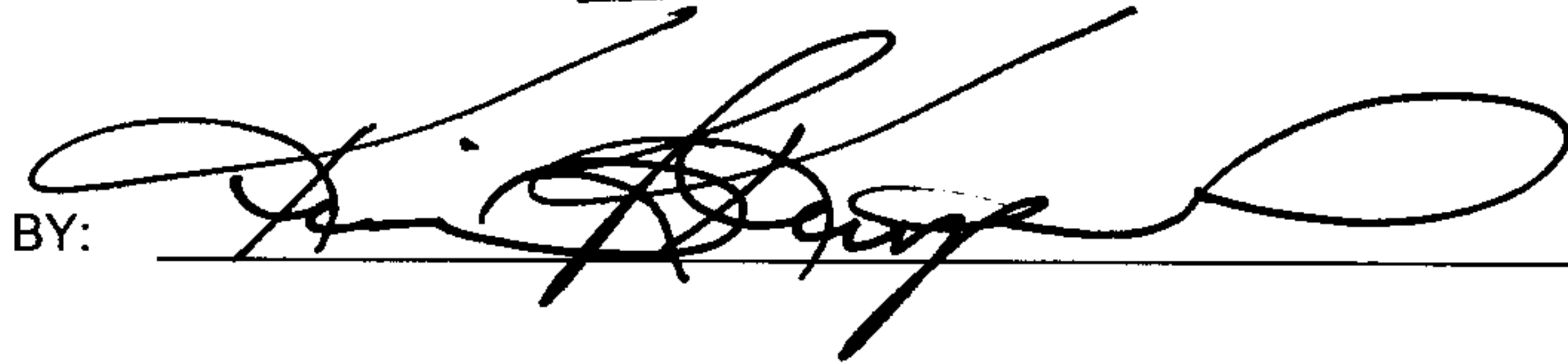
- | | |
|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> | SIA/FINANCIAL GUARANTEE RELEASE |
| <input type="checkbox"/> | PRELIMINARY PLAT APPROVAL |
| <input type="checkbox"/> | S. DEV. PLAN FOR SUB'D. APPROVAL |
| <input type="checkbox"/> | S. DEV. PLAN FOR BLDG. PRMT. APPROVAL |
| <input type="checkbox"/> | SECTOR PLAN APPROVAL |
| <input type="checkbox"/> | FINAL PLAT APPROVAL |
| <input checked="" type="checkbox"/> | BUILDING PERMIT APPROVAL |
| <input type="checkbox"/> | CERTIFICATE OF OCCUPANCY (PERM.) |
| <input type="checkbox"/> | CERTIFICATE OF OCCUPANCY (TEMP.) |
| <input type="checkbox"/> | GRADING PERMIT APPROVAL |
| <input type="checkbox"/> | FOUNDATION PERMIT APPROVAL |
| <input type="checkbox"/> | PAVING PERMIT APPROVAL |
| <input type="checkbox"/> | WORK ORDER APPROVAL |
| <input type="checkbox"/> | OTHER (SPECIFY) |

WAS A PRE-DESIGN MEETING ATTENDED:

- | | |
|-------------------------------------|---------------|
| <input type="checkbox"/> | YES |
| <input checked="" type="checkbox"/> | NO |
| <input type="checkbox"/> | COPY PROVIDED |

DATE SUBMITTED: 2-8-02

BY:



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 (10) lots or constituting five (5) acres

DEFINED FITNESS ON MCLEOD

GRADING PLAN & DRAINAGE PLAN

February 8, 2002

Prepared for:

JLS Architecture

1600 Rio Grande Blvd. NW

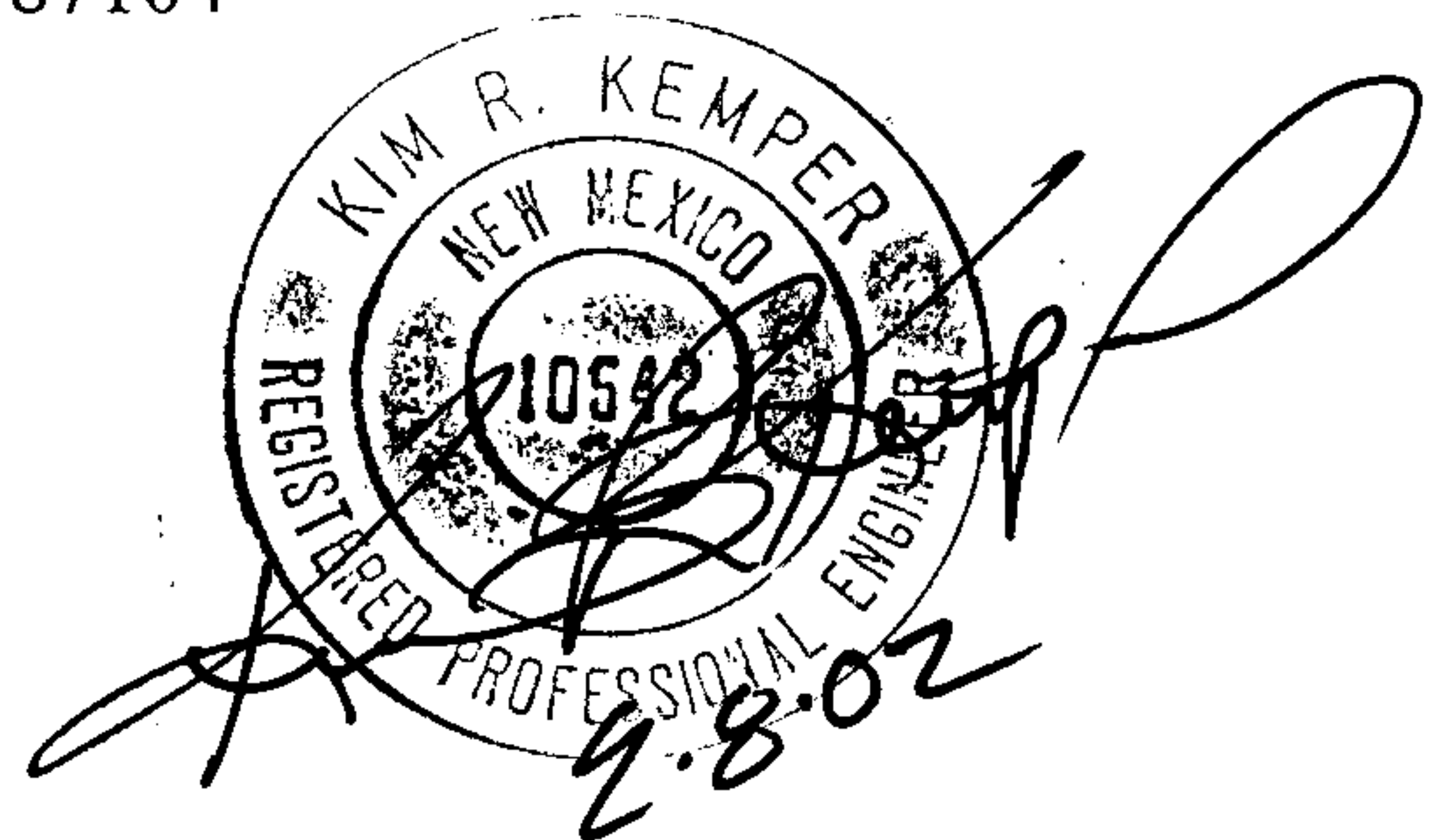
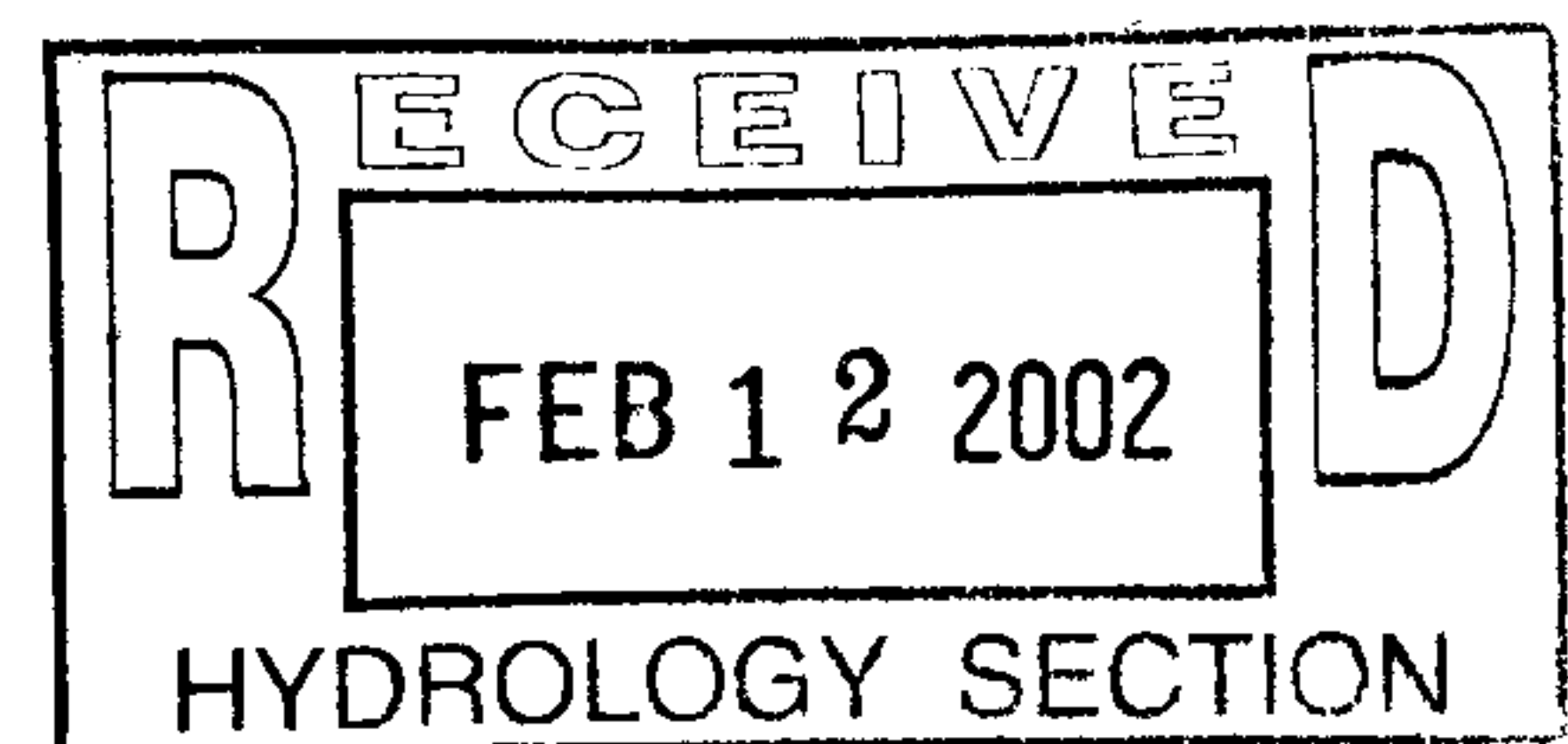
Albuquerque, New Mexico 87104

Prepared by:

Huitt-Zollars, Inc.

333 Rio Rancho Dr. NE

Rio Rancho, New Mexico 87124



LEGAL DESCRIPTION

Tract A-2-A, Allwoods Subdivision and Tract B, McLeod Crossing Subdivision

RELATED DRAINAGE FILES

F17-D02G – Original Grading and Drainage Plan for Defined Fitness

F17-D70 – Grading and Drainage Plan for, Block G. Allwoods Subdivision

F17-D02I – McLeod Crossing

DRAINAGE PLAN

This site is located on McLeod Rd. between San Mateo Blvd. and Jefferson St. The proposed improvements include an addition to the existing Defined Fitness building along with associated parking improvements. When the Fitness center was originally constructed the drainage plan called for the detention of storm waters which were then pumped to McLeod and conveyed within the road section.

As this area has developed, the drainage constraints that drove the original plan to a pumping system have now been removed. With the development of the parcel immediately west overland flow is now achievable. This is achievable because cross-lot drainage easements were included on the adjacent platting action. This project includes to separate properties with differing drainage conditions. First, the original site with detention and a pumping system and second, the new parking lot. The development of the new parking lot was known at the time the adjacent property was platted and consideration of these flows were included in the corresponding drainage report (F17-D02I). That report provided for free discharge of waters from the new parking facilities.

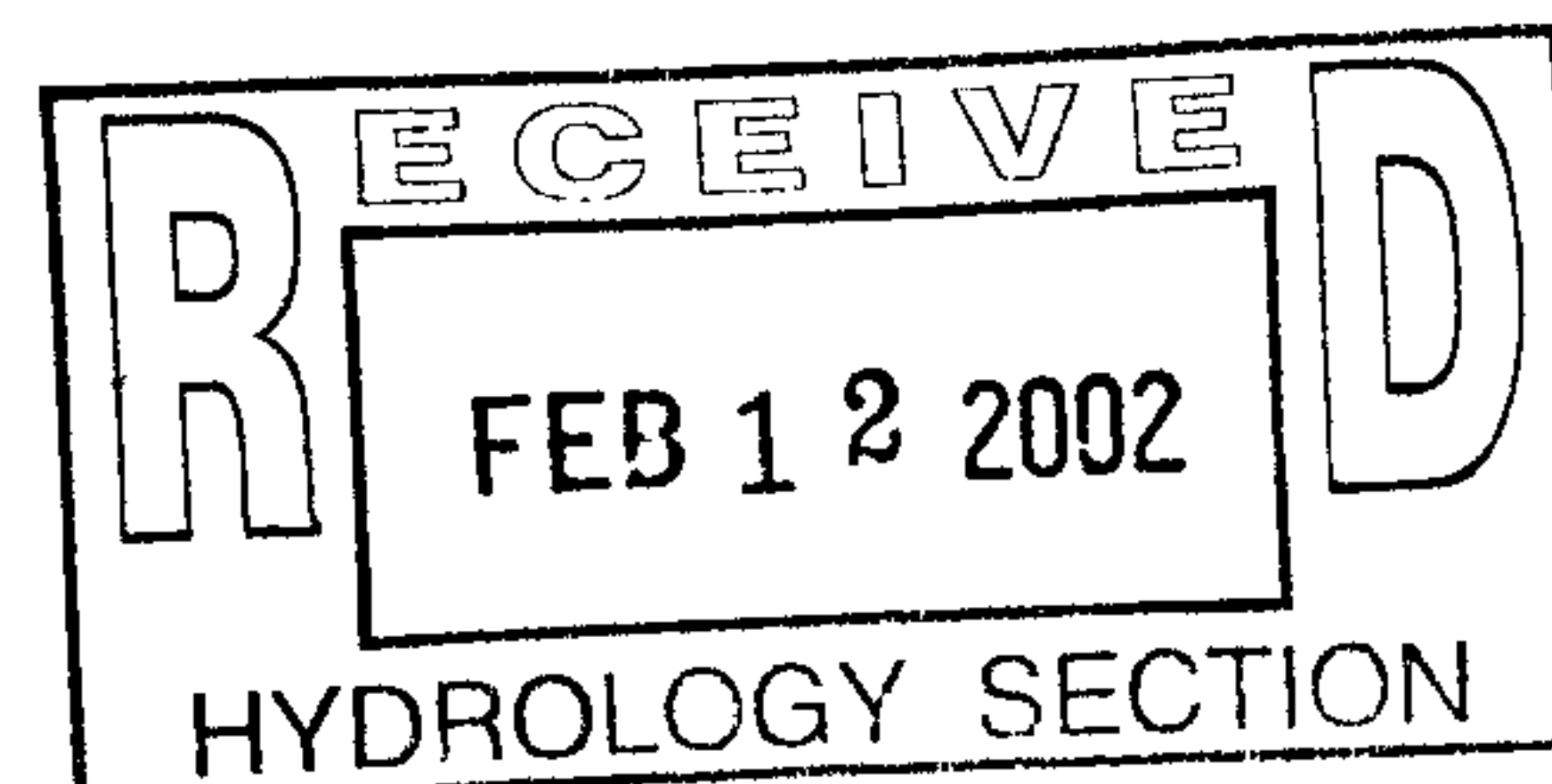
There are a number of drainage plans that have identified capacities downstream of this site. A couple of those are identified above. After discussions with the City hydrology department it was determined that although surface discharge is achievable and permissible, detention would still be desirable to limit the peak rate of discharge for the original site. It was agreed that the peak flow rate from the original site would be limited to approximately 5 cfs or approximately one-half of the developed discharge.

Included in this report are calculations for the peak flow rate and volumetric runoff for the design event. The calculations show each portion of the site individually and then provide the total site values. It is proposed to maintain the total existing detention area within the existing Fitness site. No reduction in the detention volume is proposed. The maximum water surface elevation of the detention area is 5194.5. This is being done to maintain as much of the existing surface treatments as possible. Flows will then be passed through a new core in the existing concrete retaining wall at the west side to the site. It is proposed to core a 10" hole in the wall to pass a maximum of 4.2 cfs during a design event. Waters would then flow in a concrete rundown to the adjacent parking lot and ultimately reach Hardware St. Capacities of both the orifice (core) and the rundown are provided below.

$$\text{Orifice} = CA(2gh)^{.5} = (.6)(0.545)[(2)(32.2)(2.6)]^{.5} = 4.2 \text{ cfs}$$

Rundown: Slope = 2.5%, Mannings = 0.016, bottom width = 2 ft.

Depth	Flowrate
0.1 ft.	0.6 cfs
0.2 ft.	1.8 cfs
0.3 ft.	3.3 cfs
0.4 ft.	5.1 cfs
0.5 ft.	7.1 cfs



AREA = 2.82 ac.

DEFINED FITNESS MCLEOD - TOTAL SITE

DRAINAGE ZONE 2

PRECIPITATION: 360 = 2.35 in.
 1140 = 2.75 in.
 10day = 3.95 in.

EXCESS PRECIPITATION:

PEAK DISCHARGE:

TREATMENT A	0.53 in.	1.56	cfs/ac.
TREATMENT B	0.78 in.	2.28	cfs/ac.
TREATMENT C	1.13 in.	3.14	cfs/ac.
TREATMENT D	2.12 in.	4.70	cfs/ac.

EXISTING CONDITIONS:

PROPOSED CONDITIONS:

	AREA	AREA
TREATMENT A	0.00 ac.	0.00 ac.
TREATMENT B	0.20 ac.	0.31 ac.
TREATMENT C	0.73 ac.	0.00 ac.
TREATMENT D	1.89 ac.	2.51 ac.

EXISTING EXCESS PRECIPITATION:

$$\begin{aligned}\text{Weighted E} &= (0.53)(0.00) + (0.78)(0.20) + (1.13)(0.73) + (2.12)(1.89) / 2.82 \text{ ac.} \\ &= 1.77 \text{ in.} \\ \text{V100-360} &= (1.77)(2.82) / 12 = 0.415642 \text{ ac-ft} = 18105 \text{ cf}\end{aligned}$$

EXISTING PEAK DISCHARGE:

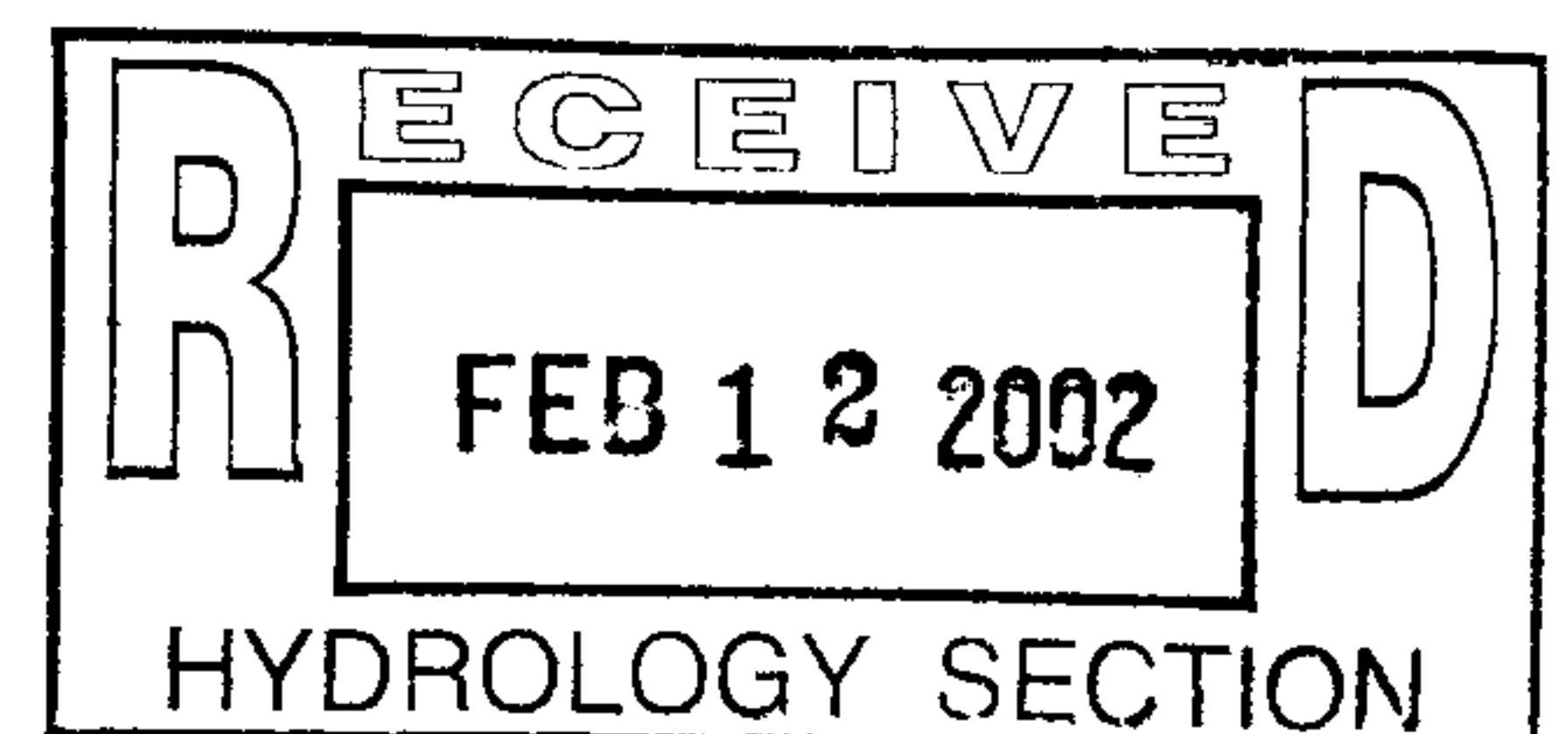
$$Q100 = (1.56)(0.00) + (2.28)(0.20) + (3.14)(0.73) + (4.70)(1.89) = 11.63 \text{ cfs}$$

PROPOSED EXCESS PRECIPITATION:

$$\begin{aligned}\text{Weighted E} &= (0.53)(0.00) + (0.78)(0.31) + (1.13)(0.00) + (2.12)(2.51) / 2.82 \text{ ac.} \\ &= 1.97 \text{ in.} \\ \text{V100-360} &= (1.97)(2.82) / 12.0 = 0.463583 \text{ ac-ft} = 20194 \text{ cf} \\ \text{V100-1440} &= (0.46) + (2.51)(2.75 - 2.35) / 12 = 0.547250 \text{ ac-ft} = 23838 \text{ cf} \\ \text{V100-10day} &= (0.46) + (2.51)(3.95 - 2.35) / 12 = 0.798250 \text{ ac-ft} = 34772 \text{ cf}\end{aligned}$$

PROPOSED PEAK DISCHARGE:

$$Q100 = (1.56)(0.00) + (2.28)(0.31) + (3.14)(0.00) + (4.70)(2.51) = 12.50 \text{ cfs}$$



AREA = 0.73 ac.

DEFINED FITNESS MCLEOD - NEW PARKING

DRAINAGE ZONE 2

PRECIPITATION: 360 = 2.35 in.
 1140 = 2.75 in.
 10day = 3.95 in.

EXCESS PRECIPITATION:

PEAK DISCHARGE:

TREATMENT A	0.53 in.	1.56	cfs/ac.
TREATMENT B	0.78 in.	2.28	cfs/ac.
TREATMENT C	1.13 in.	3.14	cfs/ac.
TREATMENT D	2.12 in.	4.70	cfs/ac.

EXISTING CONDITIONS:

PROPOSED CONDITIONS:

	AREA	AREA
TREATMENT A	0.00 ac.	0.00 ac.
TREATMENT B	0.00 ac.	0.11 ac.
TREATMENT C	0.73 ac.	0.00 ac.
TREATMENT D	0.00 ac.	0.62 ac.

EXISTING EXCESS PRECIPITATION:

$$\begin{aligned}\text{Weighted E} &= (0.53 \times 0.00) + (0.78 \times 0.00) + (1.13 \times 0.73) + (2.12 \times 0.00) / 0.73 \\ &= 1.13 \text{ in.} \\ \text{V100-360} &= (1.13 \times 0.73) / 12 = 0.068742 \text{ ac-ft} = 2994 \text{ cf}\end{aligned}$$

EXISTING PEAK DISCHARGE:

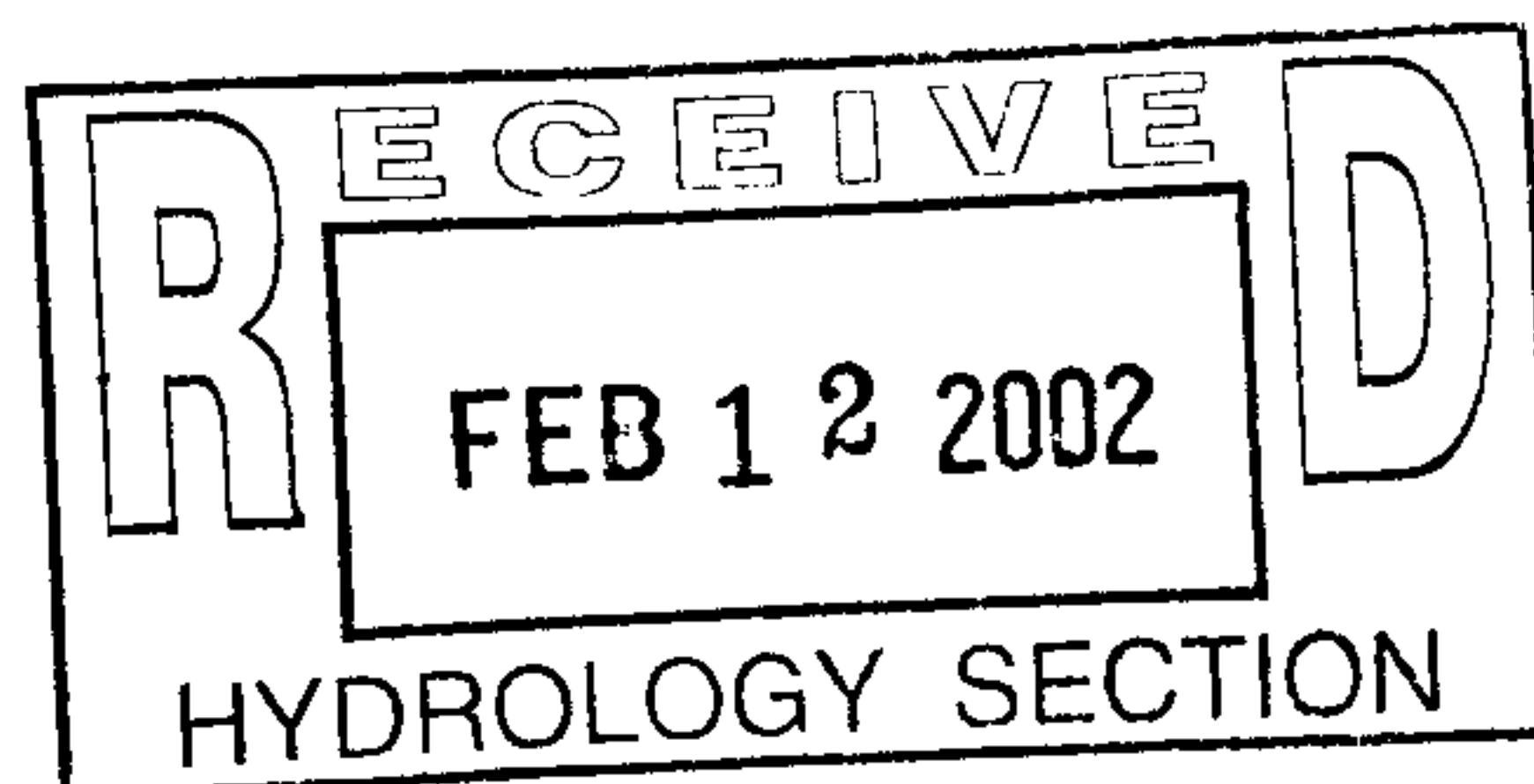
$$Q100 = (1.56 \times 0.00) + (2.28 \times 0.00) + (3.14 \times 0.73) + (4.70 \times 0.00) = 2.29$$

PROPOSED EXCESS PRECIPITATION:

$$\begin{aligned}\text{Weighted E} &= (0.53 \times 0.00) + (0.78 \times 0.11) + (1.13 \times 0.00) + (2.12 \times 0.62) / 0.73 \\ &= 1.92 \text{ in.} \\ \text{V100-360} &= (1.92 \times 0.73) / 12.0 = 0.116683 \text{ ac-ft} = 5083 \text{ cf} \\ \text{V100-1440} &= (0.12) + (0.62 \times (2.75 - 2.35) / 12) = 0.137350 \text{ ac-ft} = 5983 \text{ cf} \\ \text{V100-10day} &= (0.12) + (0.62 \times (3.95 - 2.35) / 12) = 0.199350 \text{ ac-ft} = 8684 \text{ cf}\end{aligned}$$

PROPOSED PEAK DISCHARGE:

$$Q100 = (1.56 \times 0.00) + (2.28 \times 0.11) + (3.14 \times 0.00) + (4.70 \times 0.62) = 3.16$$



AREA = 2.09 ac.

DEFINED FITNESS MCLEOD - EXISTING ONSITE (DETAINED)

DRAINAGE ZONE 2

PRECIPITATION: 360 = 2.35 in.
 1140 = 2.75 in.
 10day = 3.95 in.

EXCESS PRECIPITATION:

PEAK DISCHARGE:

TREATMENT A	0.53 in.	1.56	cfs/ac.
TREATMENT B	0.78 in.	2.28	cfs/ac.
TREATMENT C	1.13 in.	3.14	cfs/ac.
TREATMENT D	2.12 in.	4.70	cfs/ac.

EXISTING CONDITIONS:

AREA

TREATMENT A	0.00 ac.
TREATMENT B	0.26 ac.
TREATMENT C	0.00 ac.
TREATMENT D	1.83 ac.

PROPOSED CONDITIONS:

AREA

TREATMENT A	0.00 ac.
TREATMENT B	0.20 ac.
TREATMENT C	0.00 ac.
TREATMENT D	1.89 ac.

EXISTING EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53 \times 0.00) + (0.78 \times 0.26) + (1.13 \times 0.00) + (2.12 \times 1.83) / 2.09 = 1.95 \text{ in.}$$

$$V_{100-360} = (1.95 \times 2.09) / 12 = 0.340200 \text{ ac-ft} = 14819 \text{ cf}$$

EXISTING PEAK DISCHARGE:

$$Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.26) + (3.14 \times 0.00) + (4.70 \times 1.83) = 9.19$$

PROPOSED EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53 \times 0.00) + (0.78 \times 0.20) + (1.13 \times 0.00) + (2.12 \times 1.89) / 2.09 = 1.99 \text{ in.}$$

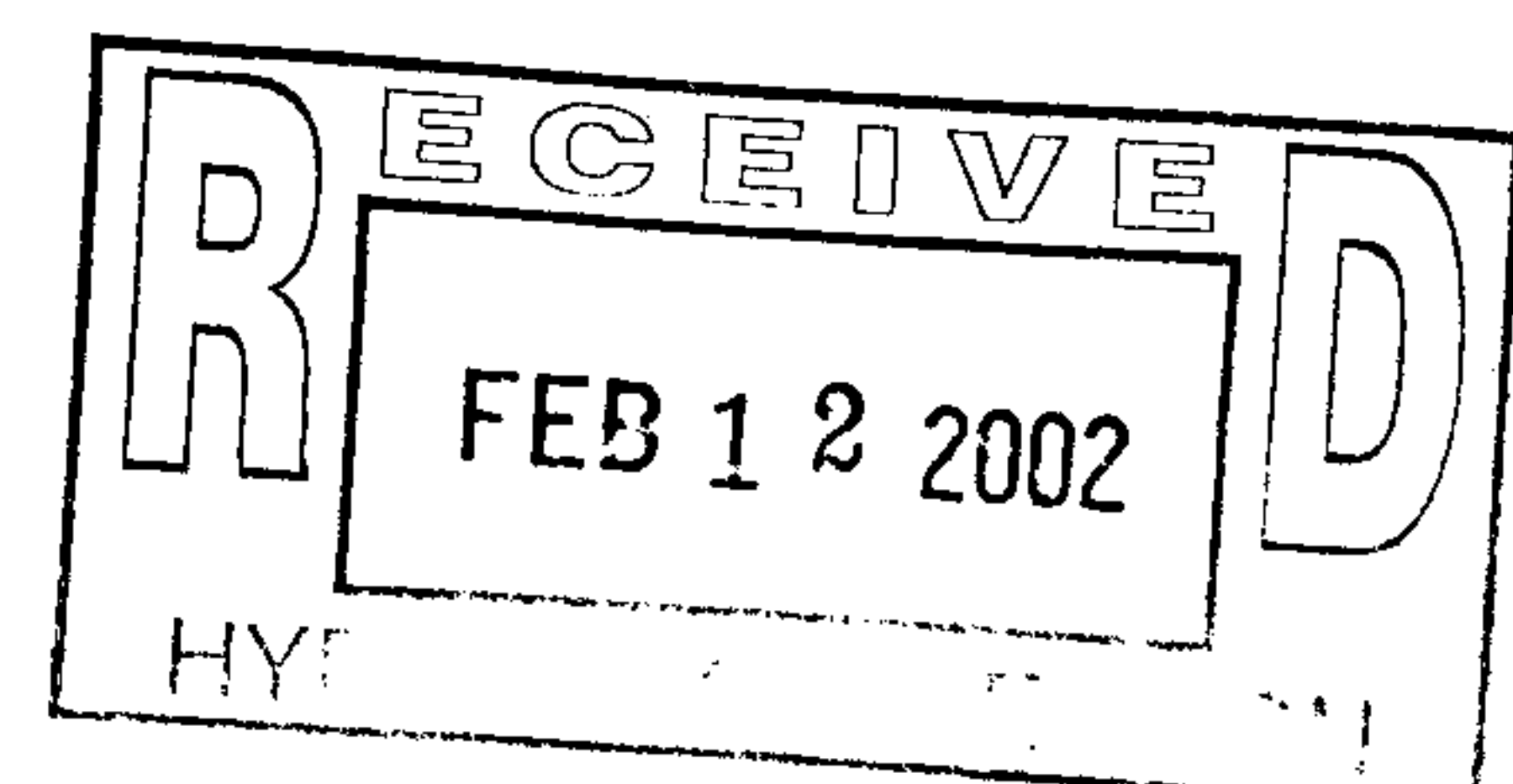
$$V_{100-360} = (1.99 \times 2.09) / 12.0 = 0.346900 \text{ ac-ft} = 15111 \text{ cf}$$

$$V_{100-1440} = (0.35) + (1.89 \times (2.75 - 2.35) / 12) = 0.409900 \text{ ac-ft} = 17855 \text{ cf}$$

$$V_{100-10\text{day}} = (0.35) + (1.89 \times (3.95 - 2.35) / 12) = 0.598900 \text{ ac-ft} = 26088 \text{ cf}$$

PROPOSED PEAK DISCHARGE:

$$Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.20) + (3.14 \times 0.00) + (4.70 \times 1.89) = 9.34$$





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

***Planning Department
Transportation Development Services Section***

January 16, 2003

Joe Slagle, Registered Architect
1600 Rio Grande NW
Albuquerque, NM 87104

Re: Certification Submittal for Final Building Certificate of Occupancy for
Defined Fitness, [F-17 / D2G]
4930 Mcleod Blvd. NE
Architect's Stamp Dated 01/13/03

Dear Mr. Slagle:

The TCL / Letter of Certification submitted on January 14, 2003 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Sincerely,

Nilo E. Salgado-Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
Planning Department

c: Engineer
— Hydrology file
— CO Clerk

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

F-17/D26

PROJECT TITLE: DEFINED FITNESS ZONE MAP/DRG. FILE #: F17
 DRB #: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: LOT A2A, ALLWOODS SUBDIVISION
 CITY ADDRESS: 4930 MCLEOD BLVD. NE

ENGINEERING FIRM: KEMPER VAUGHN
 ADDRESS: 6501 AMERIKAS PARKWAY NE, STE 550
 CITY, STATE: ALBU NM

CONTACT: KIM KEMPER
 PHONE: 883-8114
 ZIP CODE: 87110

OWNER: BIGGIE ENTERPRISES
 ADDRESS: 4930 MCLEOD
 CITY, STATE: ALBU NM

CONTACT: JEFF OLIVERA
 PHONE: 888-7097
 ZIP CODE: 87109

ARCHITECT: JLS ARCHITECTS
 ADDRESS: 1600 RIOGRANDE NW
 CITY, STATE: ALBU NM

CONTACT: DAN HERR
 PHONE: 246-0870
 ZIP CODE: 87104

SURVEYOR: PEX VOGLER
 ADDRESS: PO BOX 7155
 CITY, STATE: ALBU NM

CONTACT: PEX VOGLER
 PHONE: 265-8940
 ZIP CODE: 87194

CONTRACTOR: REID & ASSOCIATES
 ADDRESS: 6300 RIVERSIDE PLAZA LN. NW
 CITY, STATE: ALBU NM

CONTACT: BILL SMITH
 PHONE: 891-2528
 ZIP CODE: 87120

CHECK TYPE OF SUBMITTAL:

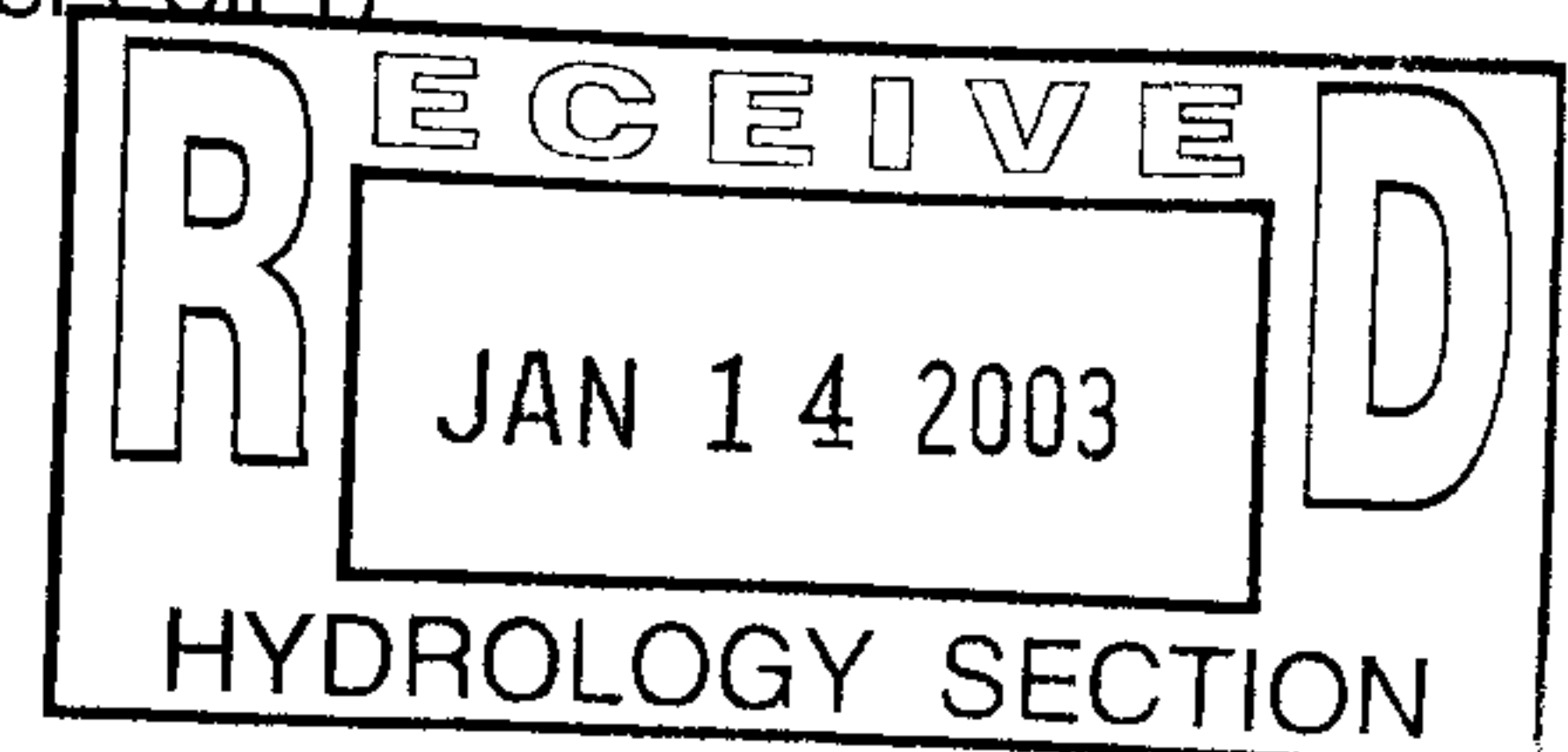
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☒ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☒ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ 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 (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP.)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES
☐ NO
☐ COPY PROVIDED



DATE SUBMITTED: 1-14-03 BY: DAN HERR, JLS ARCHITECTS

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

① Install (2) ballards

each side of guy wire

reflectorized yellow

30K

(what is the radius)

25K

?(20K)

January 16, 2003

Mr. Richard Dourte
City of Albuquerque
Transportation Development Department
600 2nd Street SW
Albuquerque, NM 87102

RE: DEFINED FITNESS, 4930 MCLOED BLVD. NE

1600 rio grande nw
albuquerque
new mexico 87104
505 246 0870
fax 505 246 0437
www.jlsarchitects.com

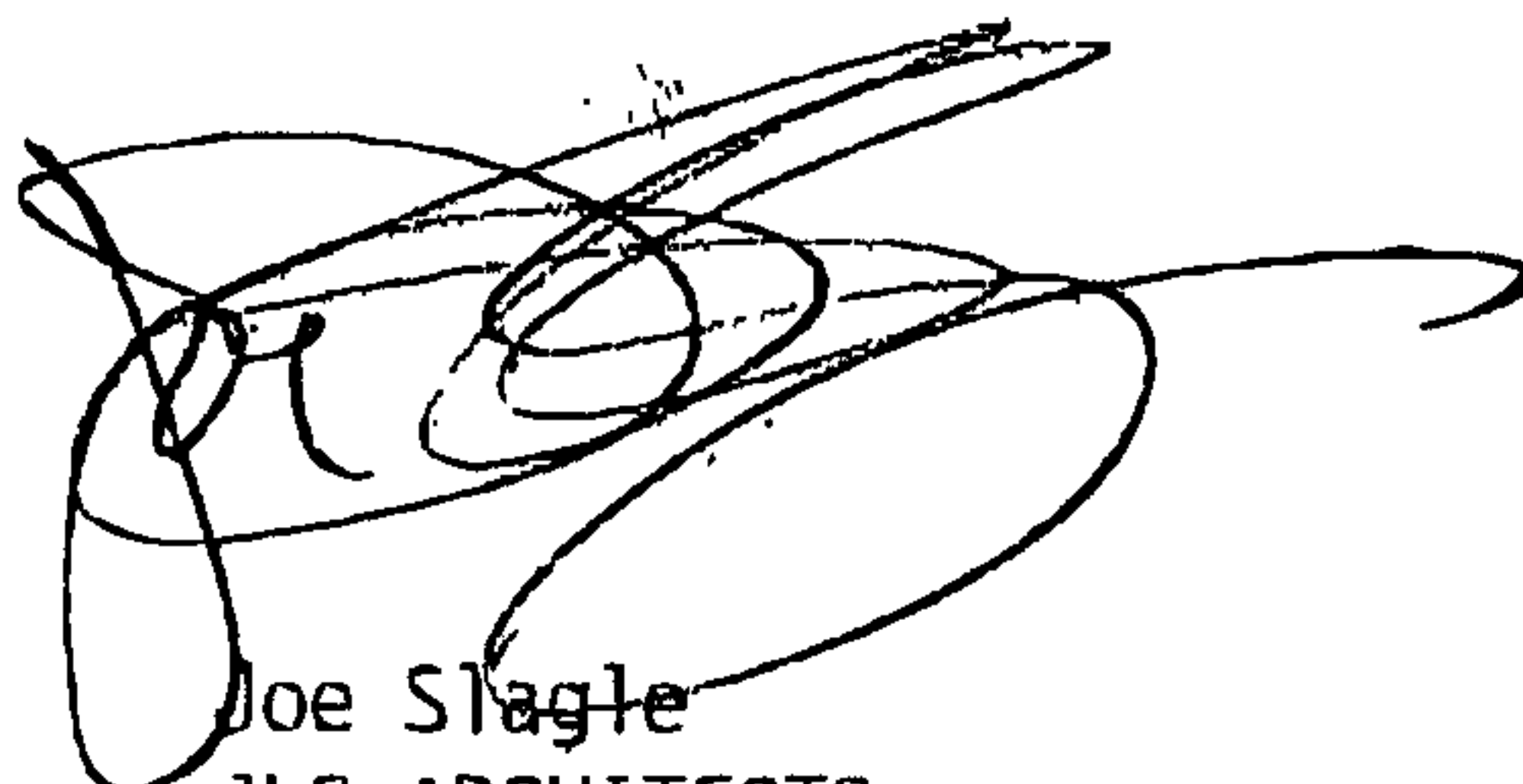
Mr. Dourte:

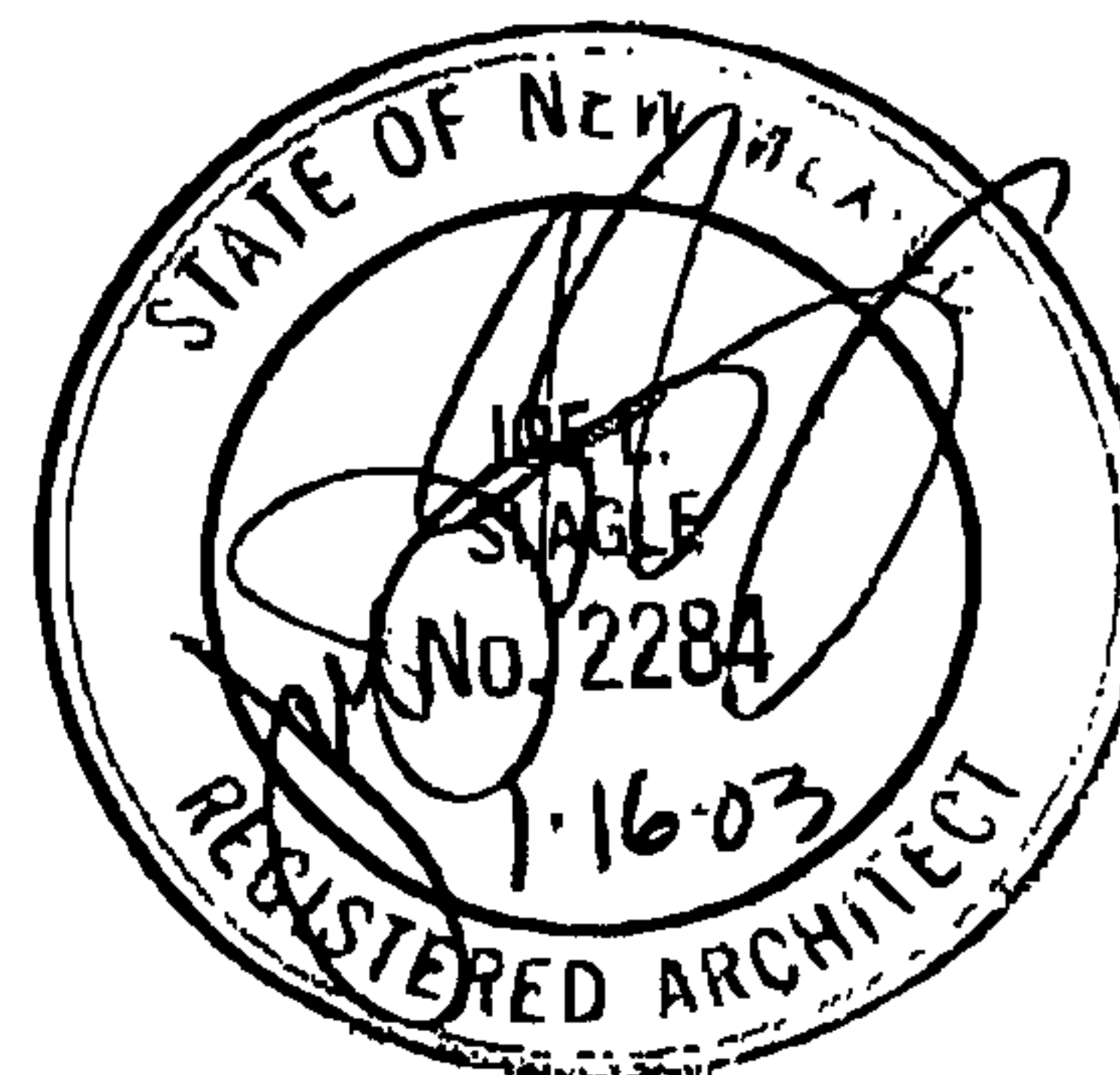
This letter is to certify that the traffic circulation for the above referenced project has been constructed in substantial compliance with the City approved construction drawings.

All changes observed are noted on the attached plan in red marker.

Please contact me if you have any questions.

Sincerely,


Joe Slagle
JLS ARCHITECTS



JLS

January 14, 2003

Mr. Richard Dourte
City of Albuquerque
Transportation Development Department
600 2nd Street SW
Albuquerque, NM 87102

RE: DEFINED FITNESS, 4930 MCLOED BLVD. NE


Mr. Dourte:

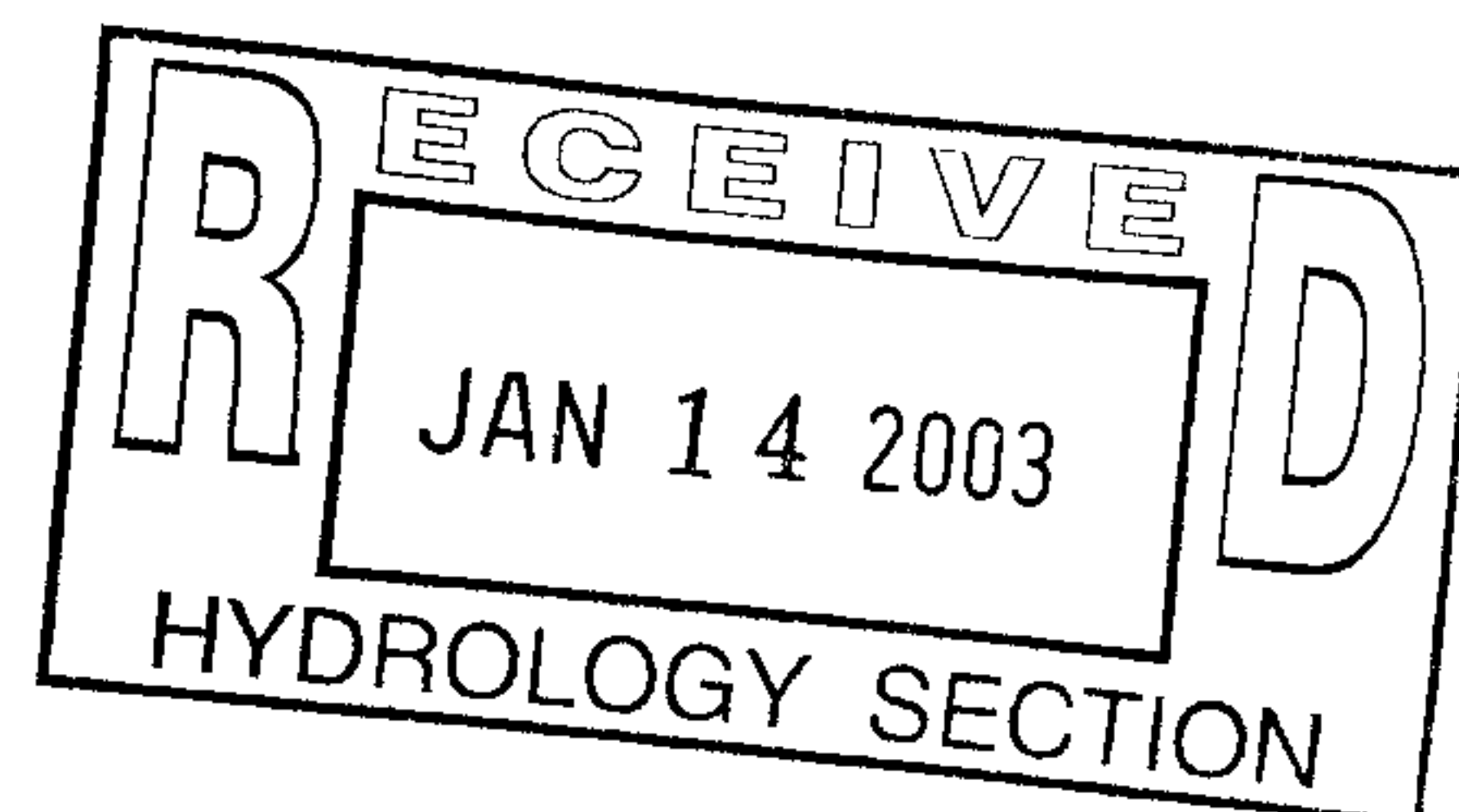
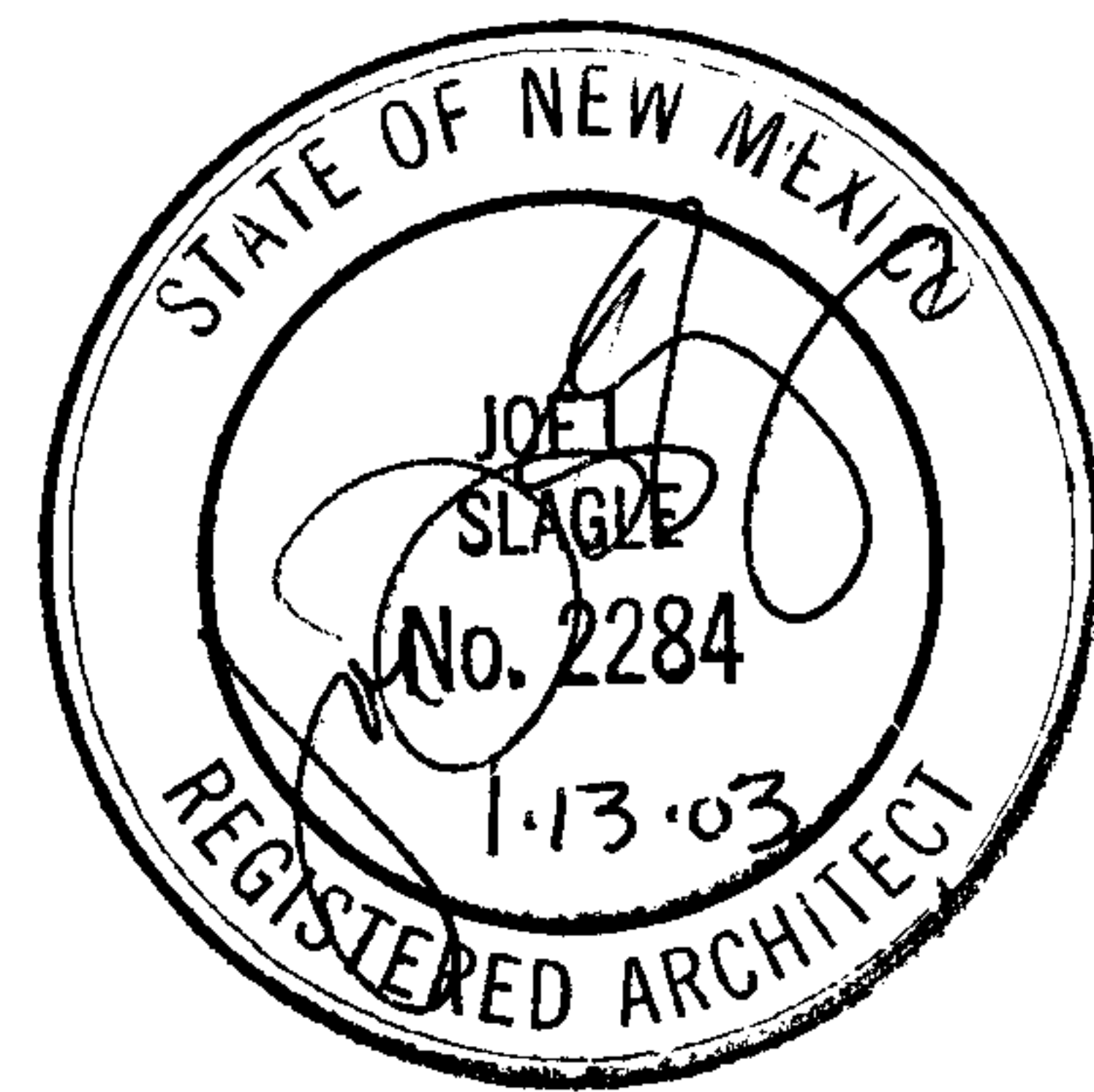
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Please contact me if you have any questions.

Sincerely,


Joe Slagle
JLS ARCHITECTS



1600 rio grande nw
albuquerque
new mexico 87104
505 246 0870
fax 505 246 0437
www.jlsarchitects.com

JLS

ARCHITECTS

DRAINAGE INFORMATION SHEET

(REV. 11/01/2001)

F-17/D2G

PROJECT TITLE: DEFINED FITNESS - MCLEOD ZONE ATLAS/DRNG. FILE #:
DRB #: EPC#: WORK ORDER #:
LEGAL DESCRIPTION: TRACT A-2-A, ALLWOODS SUBDIVISION, AND TRACT B, MCLEOD CROSSING
CITY ADDRESS: 4930 MCLEOD

ENGINEERING FIRM:	<u>HUITT-ZOLLARS INC</u>	CONTACT:	<u>KIM R. KEMPER, P.E.</u>
ADDRESS:	<u>333 RIO RANCHO BLVD.</u>	PHONE:	<u>892-5141</u>
CITY, STATE:	<u>RIO RANCHO, NM</u>	ZIP CODE:	<u>87124</u>
OWNER:	<u>POWER FITNESS III, INC.</u>	CONTACT:	<u>JEFF OLIVIERA</u>
ADDRESS:	<u>4930 MCLEOD</u>	PHONE:	<u>888-7079</u>
CITY, STATE:	<u>ALBUQUERQUE, NM</u>	ZIP CODE:	<u>87109</u>
ARCHITECT:	<u>JLS ARCHITECTURE</u>	CONTACT:	<u>JOE SLAGLE</u>
ADDRESS:	<u>1600 RIO GRANDE BLVD</u>	PHONE:	<u>246-0870</u>
CITY, STATE:	<u>ALBUQUERQUE, NM</u>	ZIP CODE:	<u>87104</u>
SURVEYOR:	<u>RIO GRANDE SURVEYING</u>	CONTACT:	<u>REX VOGLER</u>
ADDRESS:	<u>3700 COORS RD</u>	PHONE:	<u>265-8940</u>
CITY, STATE:	<u>ALBUQUERQUE, NM</u>	ZIP CODE:	<u>87120</u>
CONTRACTOR:	<u>REID & ASSOCIATES</u>	CONTACT:	<u>BILL SMITH</u>
ADDRESS:	<u>6300 RIVERSIDE PLAZA LANE</u>	PHONE:	<u>891-2528</u>
CITY, STATE:	<u>ABQ. NM</u>	ZIP CODE:	<u>87120</u>

CHECK TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERT. (DRB APPR. SITE PLAN)
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

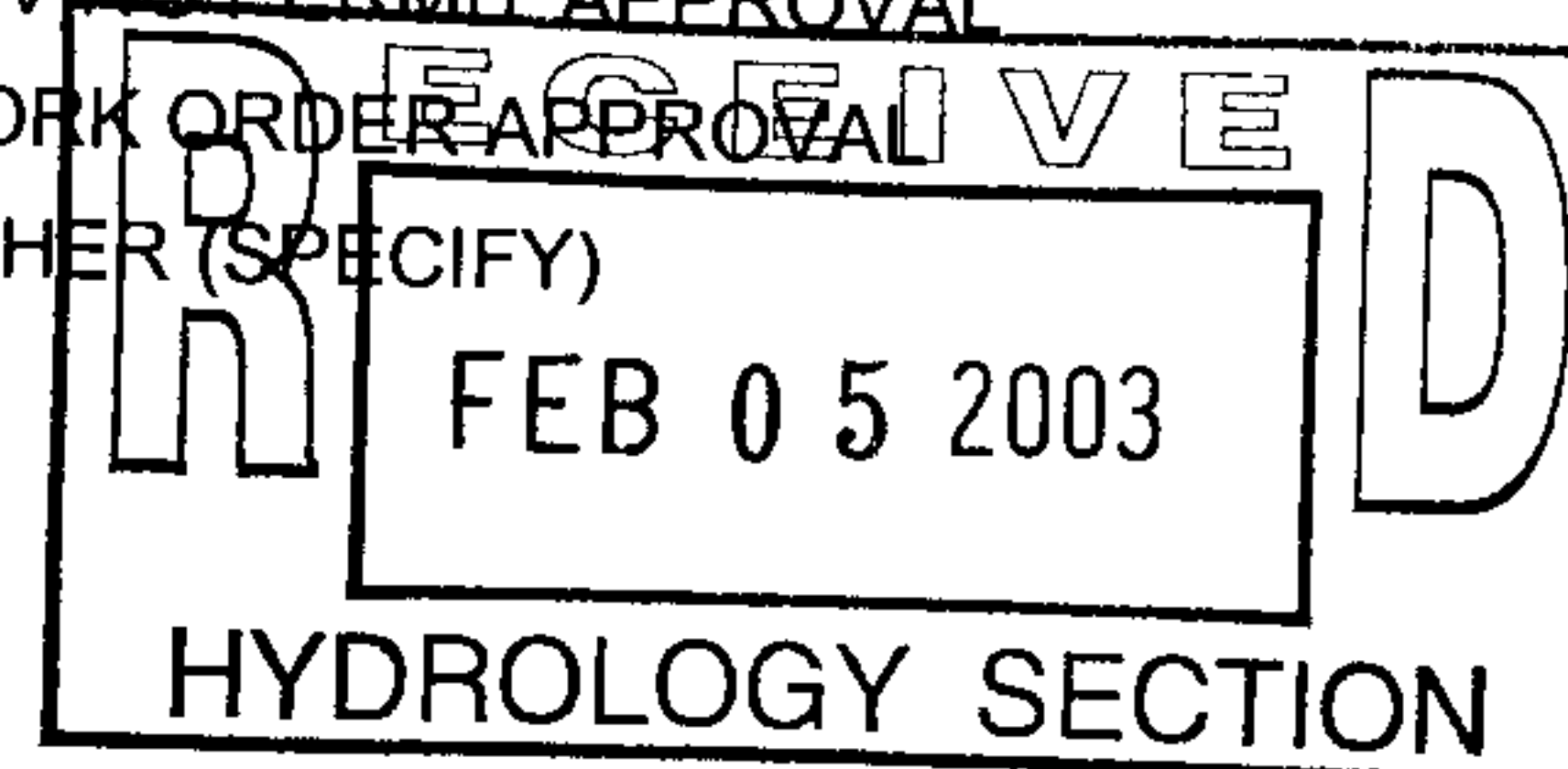
☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PRMT. APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY (PERM.)
☐ CERTIFICATE OF OCCUPANCY (TEMP.)
☐ GRADING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY)

WAS A PRE-DESIGN MEETING ATTENDED:

☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: 2-5-03

BY: 



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:

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