

CITY OF ALBUQUERQUE



August 4, 2011

Patrick J. Conley, P.E.
Smith Engineering Company
2201 San Pedro Drive NE—Bldg 4
Albuquerque, NE 87110

Re: Rio Grande Zoo Elephant Barn,
Request for Permanent C.O. - Approved
Engineer's Stamp dated: 02-20-09 (K-13/D034B)
Certification dated: 08-01-11

Dear Mr. Conley,

Based upon the information provided in the Certification received 08-03-11, the above referenced Certification is approved for a release of a Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

Timothy E. Sims,
Plan Checker—Hydrology Section
Development and Building Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

C: CO Clerk—Katrina Sigala
File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/2005)

PROJECT TITLE: Rio Grande Zoo Elephant Barn ZONE MAP/DRG. FILE # K-13/^{D034B}~~D044~~
DRB#: N/A EPC#: N/A WORK ORDER#: N/A

LEGAL DESCRIPTION: Rio Grande Zoo
CITY ADDRESS: Albuquerque, NM

ENGINEERING FIRM: Smith Engineering Company CONTACT: Patrick J. Conley, PE
ADDRESS: 2201 San Pedro, Bldg. 4 Suite 200 PHONE: 884-0700
CITY, STATE: Albuquerque, NM ZIP CODE: 87110

OWNER: City of Albuquerque Cultural Services CONTACT: George Gee
ADDRESS: _____ PHONE: 768-3814
CITY, STATE: _____ ZIP CODE: _____

ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

SURVEYOR: Terra Land Surveys, LLC (As-Built Elevations) CONTACT: Chris Medina, PS
ADDRESS: PO Box 2532 PHONE: 792-0513
CITY, STATE: Corrales, NM ZIP CODE: 87048

CONTRACTOR: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☒ EROSION CONTROL PLAN
☒ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☒ ENGINEER'S/ARCHITECT'S CERT (TCL)
☒ ENGINEER'S CERT (DRB SITE PLAN)
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. 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:

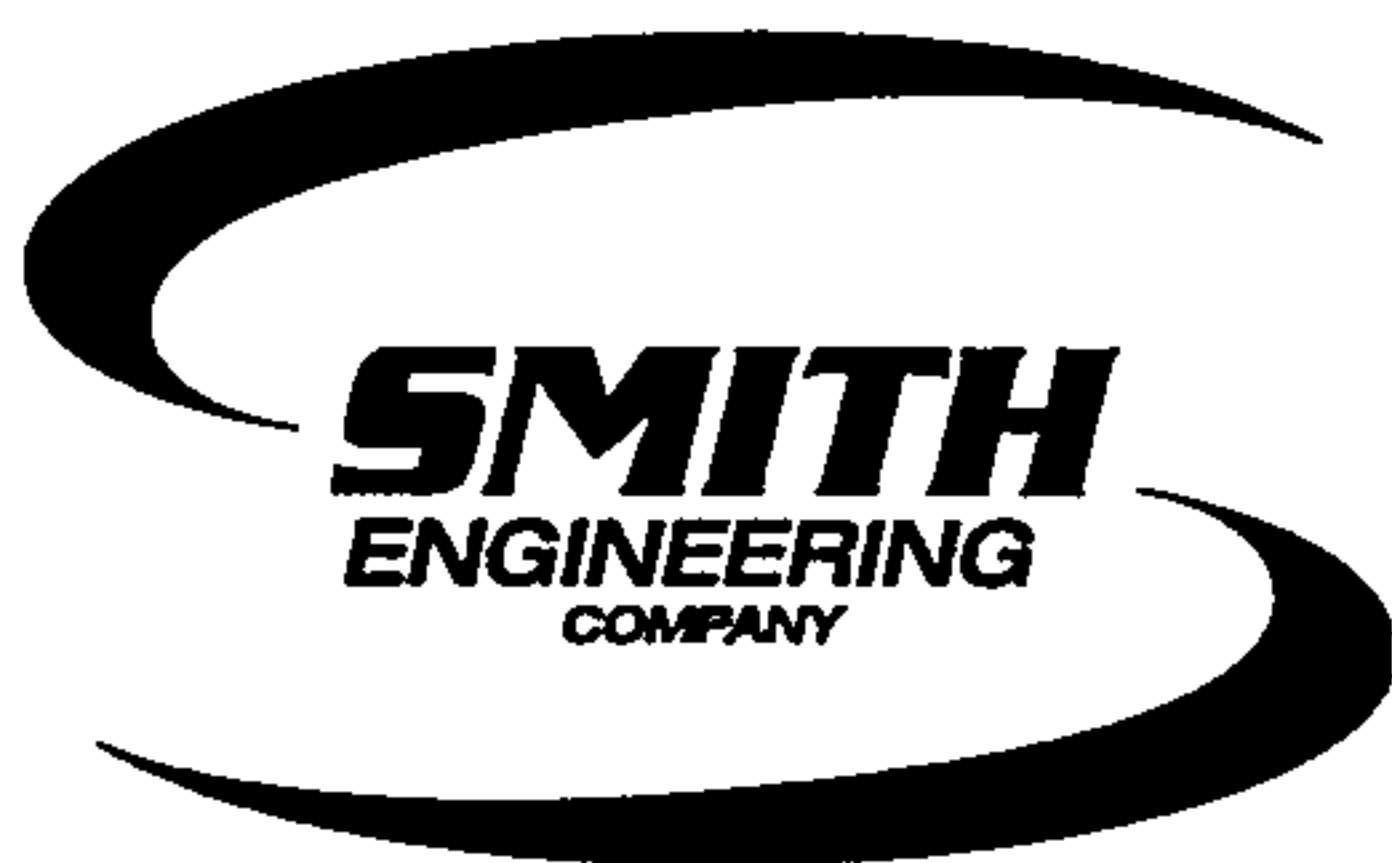
☐ YES
☐ NO
☐ COPY PROVIDED

SUBMITTED BY: Patrick J. Conley, PE  DATE: 08/01/11

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to 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 (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

Rec'd
8-3-11



Transmittal Form

Solutions for Today... Vision for Tomorrow

To: Rio Grande Zoo

Date: 8/3/2011 10:54

903 Tenth St. NW

Project No: 109104A BG

Albuquerque, NM 87102

Reference: Rio Grande Zoo Elephant Barn

Attn: Pete Nieto

We are sending you:

☒ Attached

☐ Under Separate Cover

☐ Delivered By Hand

The Following:

☐ Originals

☐ Prints

☐ Reproducibles

☐ Shop Drawings

☐ Reports

☐ Correspondence

☒ Other

Quantity	Description
1	Grading and Drainage Plan with As-Built Information and Engineer's Certification
1	Drainage and Transportation Information Sheet
1	CD with drawing files

These are transmitted as indicated below:

☐ As Requested

☐ For Final Approval

☐ For Field Use

☒ For Your Information

☐ For Distribution

☐ Return Approved Copies

☐ For Review and Comment

☐ Returned For Correction

☐

Remarks:

Submitted by,

cc: File

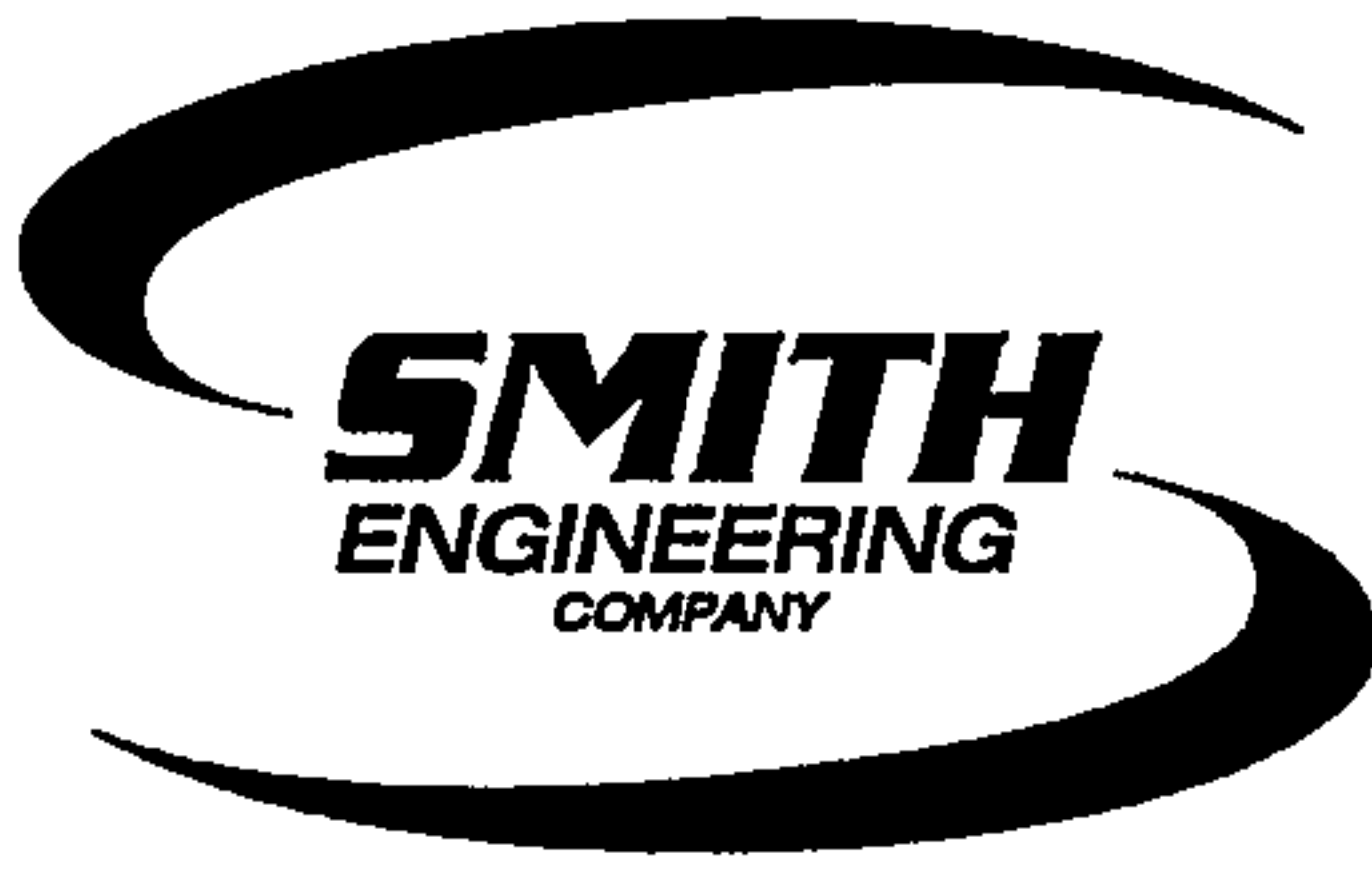

Michelle Madrid
Smith Engineering Company

Received By:	
Printed Name:	
Date	Time:

2201 San Pedro Drive, NE
Tel: 505.884.0700

Building 4, Suite 200
MichelleW@smithengineering.pro

Albuquerque, NM 87110
Fax: 505.884.2376



Solutions for Today...

Vision for Tomorrow

August 3, 2011

Mr. Curtis Cherne, PE
COA Development
Plaza Del Sol
600 2nd Street NW
Albuquerque, NM 87102

Re: Rio Grande Zoo Elephant Barn
SEC# 109104A

Dear Curtis:

Smith Engineering Company (SEC) is submitting the grading and drainage plan for the referenced project, including as-built information and engineer's certification. Please also find enclosed the accompanying drainage and transportation information sheet with our request for a permanent certificate of occupancy for your review and approval.

We appreciate your review of this submittal, and if you have any questions regarding this submittal, please contact us at 884-0700.

Sincerely,

Smith Engineering Company

A handwritten signature in black ink, appearing to read "Michelle Madrid".

Michelle Madrid
CAD Technician

Reviewed by

A handwritten signature in black ink, appearing to read "Patrick J. Conley".

Patrick J. Conley, PE
Project Manager

Enclosure

cc: Pete Nieto, COA
File

2201 San Pedro Drive, NE
Tel: 505.884.0700

Building 4, Suite 200
MichelleW@smithengineering.pro

Albuquerque, NM 87110
Fax: 505.884.2376

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 12/2005)

PROJECT TITLE: Rio Grande Zoo Elephant Barn K-13/0044
 DRB#: N/A EPC#: N/A ZONE MAP/DRG. FILE #: K-13-2
 WORK ORDER#: N/A

LEGAL DESCRIPTION: Rio Grande Zoo
 CITY ADDRESS: Albuquerque, NM

ENGINEERING FIRM: Smith Eng. Co.
 ADDRESS: 2201 San Pedro NE Bldg 4 Ste 200
 CITY, STATE: Albuquerque, NM

CONTACT: Patrick J. Conley PE
 PHONE: 884-0700
 ZIP CODE: 87110

OWNER: City of Albuquerque Cultural Services
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: George Gee
 PHONE: 768-3814
 ZIP CODE: _____

ARCHITECT: N/A
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: _____
 PHONE: _____
 ZIP CODE: _____

SURVEYOR: Surveying Control, Inc.
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: Steve Toler
 PHONE: 266-0935
 ZIP CODE: _____

CONTRACTOR: N/A
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: _____
 PHONE: _____
 ZIP CODE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN 1st SUBMITTAL
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER'S/ARCHITECT'S CERT (TCL)
☐ ENGINEER'S CERT (DRB SITE PLAN)
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. 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) _____

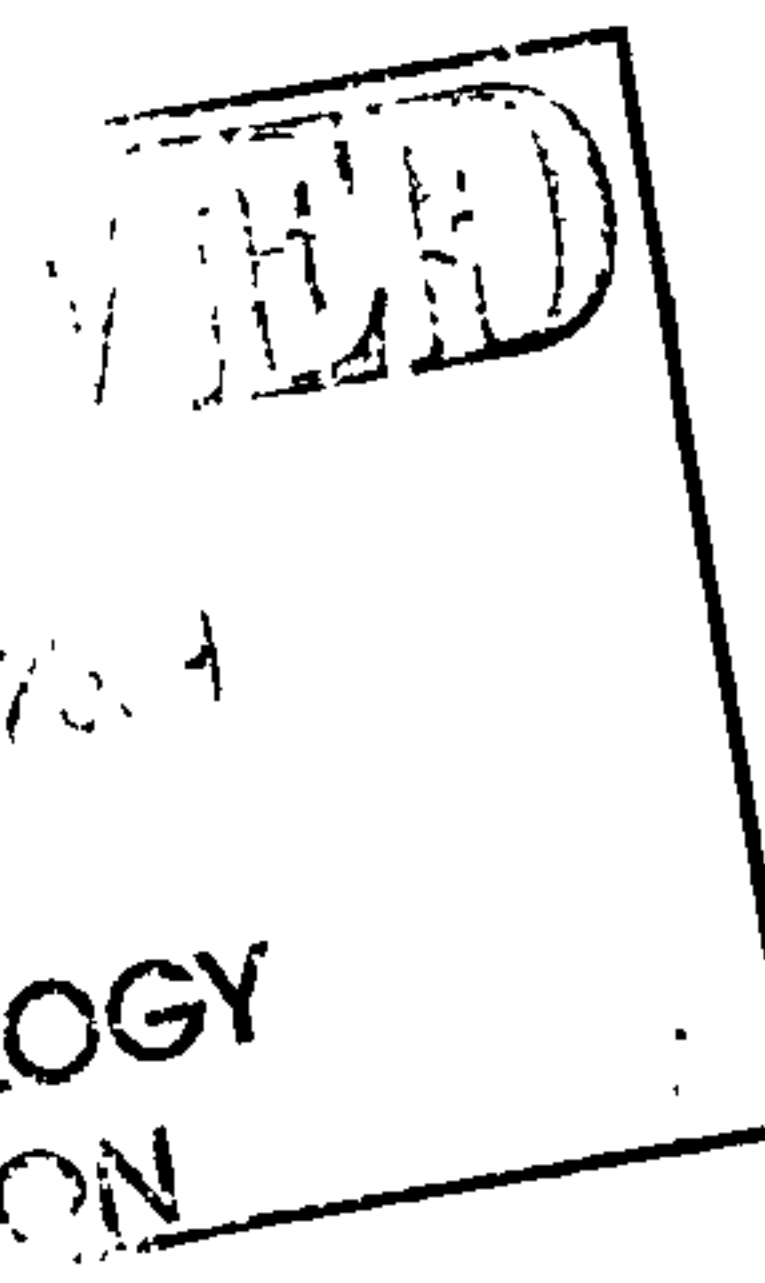
WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
☒ NO
☐ COPY PROVIDED

SUBMITTED BY: Patrick J. Conley, PE DATE: 02/20/09

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to 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 (5) acres and Sector Plans.
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.



CITY OF ALBUQUERQUE



February 26, 2009

Patrick J. Conley, P.E.
Smith Engineering Company
2201 San Pedro NE, Bldg 4 Ste 200
Albuquerque, NM 87110

Re: Rio Grande Zoo Bull Elephant Barn Grading and Drainage Plan
Engineer's Stamp dated 2-20-09 (K13/D044)

Dear Mr. Conley,

Based upon the information provided in your submittal received 2-20-09, 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.

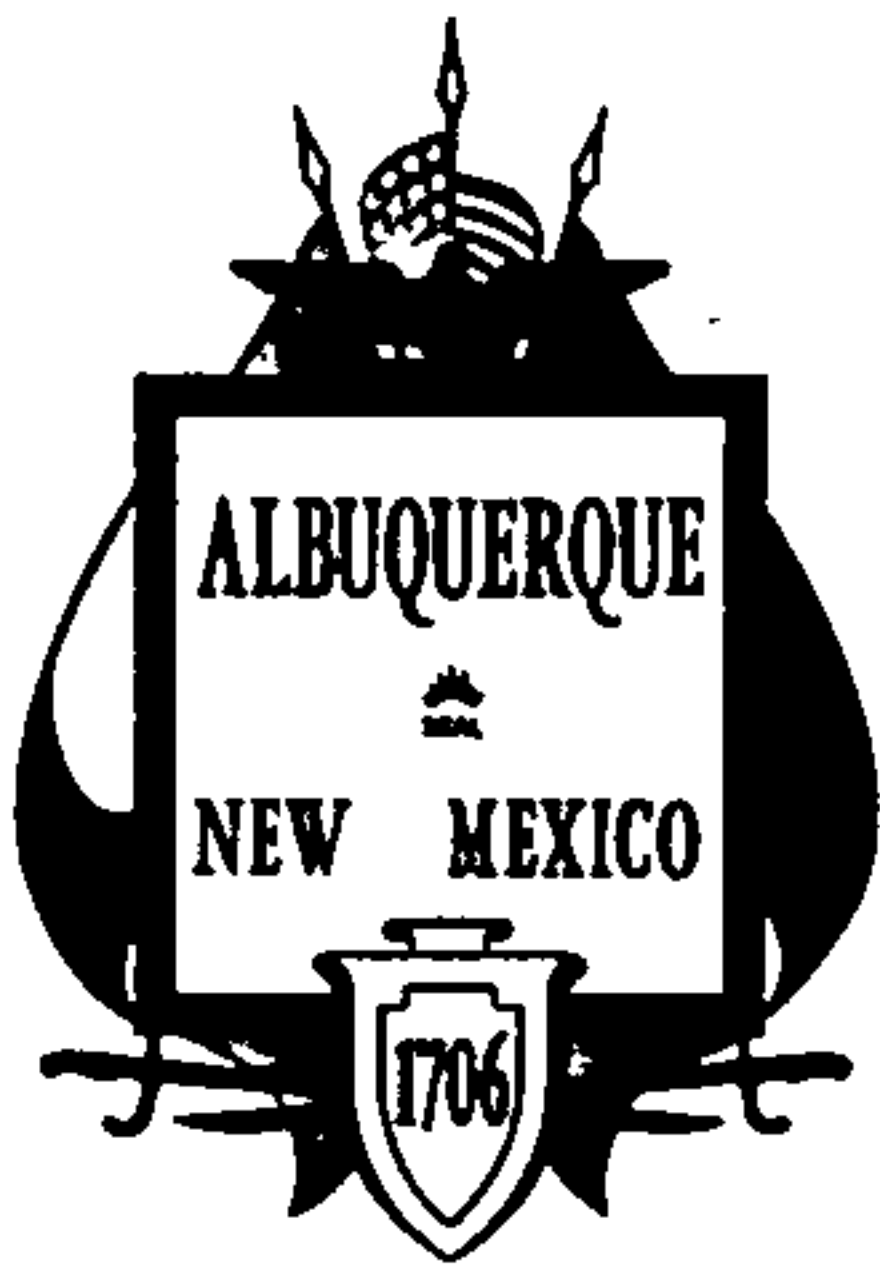
Also, prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3695.

Sincerely,

Curtis A. Cherne, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 21, 2000

Daniel H. Grochowski, P.E. & P.S.
Bohannon Huston, Inc.
7500 Jefferson Blvd., NE
Albuquerque, NM 87109

RE: GRADING & DRAINAGE PLAN FOR RIO GRANDE ZOO AFRICA EXHIBIT
(K-13 /D044) ENGINEER'S STAMP DATED DECEMBER 11, 2000,
SUBMITTED FOR BUILDING PERMIT APPROVAL

Dear Mr. Grochowski,

Based upon the information provided in your December 12, 2000, submittal, the project referred to above is approved for Building Permit. Please attach copies of this approved plan to the construction sets prior to sign-off by Hydrology.

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

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: Whitney Reiersen
✓ File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Rio Grande Zoo Africa Exhibit Grading and Drainage Plan ZONE ATLAS/DRNG. FILE # ~~K13~~

DRB #: _____ EPC #: _____ WORK ORDER #: K13/D044

LEGAL DESCRIPTION: Rio Grande Zoo

CITY ADDRESS: _____

ENGINEERING FIRM: BOHANNAN-HUSTON INC.

ADDRESS: 7500 JEFFERSON NE, ALB. NM 87109

OWNER: City of Albuquerque

ADDRESS: 903 Tenth Street, Alb., NM 87102

ARCHITECT: Mahlman & Miles

ADDRESS: 414 1/2 Central Ave., SE, Alb., NM 87102

SURVEYOR: _____

ADDRESS: _____

CONTRACTOR: _____

ADDRESS: _____

CONTACT: Daniel J. Grochowski, P.E. & P.S.

PHONE: (505) 823-1000

CONTACT: Kent Newton

PHONE: 764-6232

CONTACT: David Mahlman

PHONE: 243-0101

CONTACT: _____

PHONE: _____

CONTACT: _____

PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

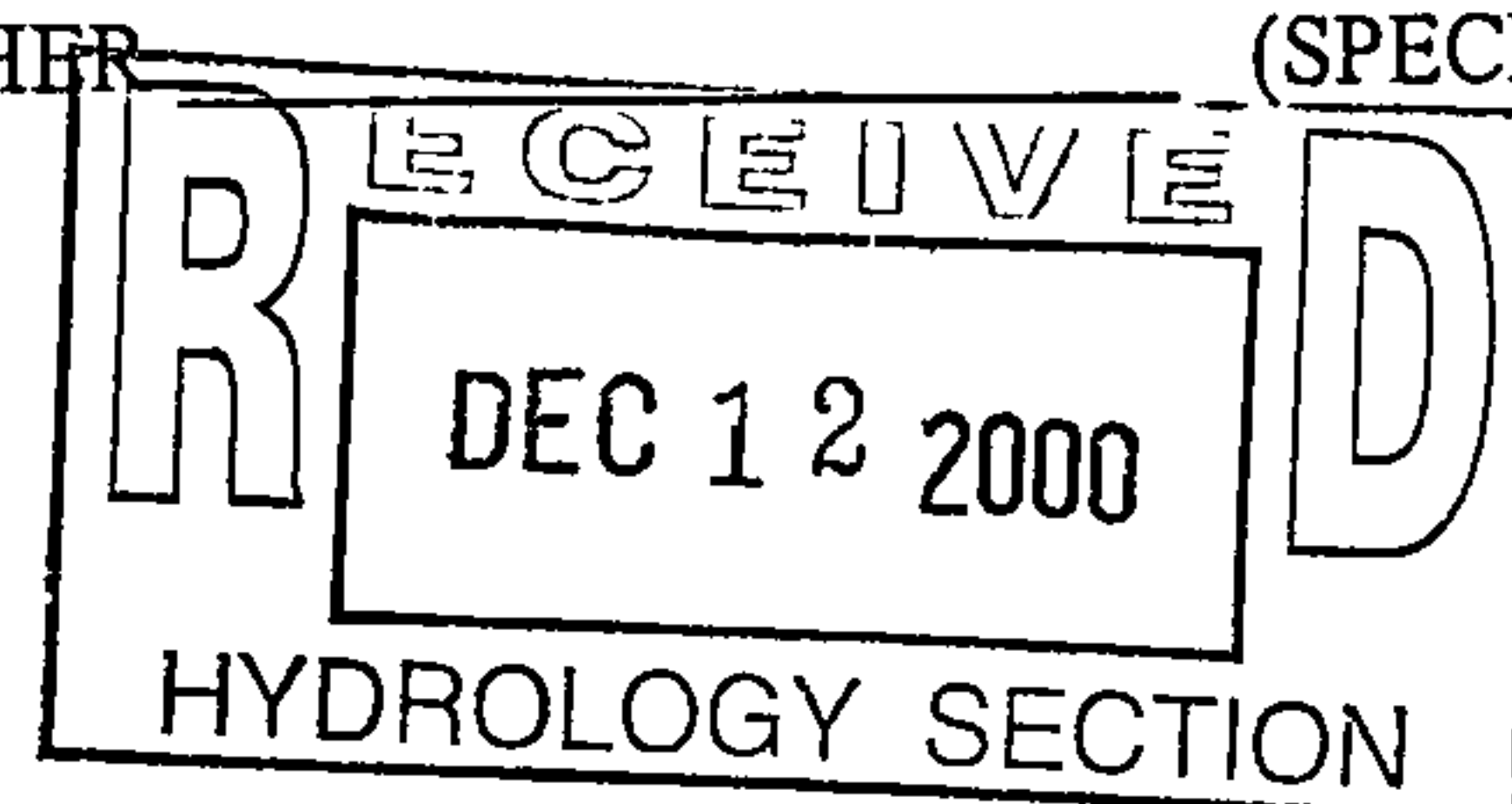
- ☒ YES
☐ NO
☐ COPY PROVIDED

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. 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
☐ OTHER (SPECIFY)





December 12, 2000

BOHANNAN-HUSTON, INC

Courtyard One

7500 JEFFERSON NE

Albuquerque

NM 87109-4335

voice 505.823.1000

fax 505.821.0892

Brad Bingham, P.E.
Hydrology/Utility Development
City Of Albuquerque
600 2nd St., NW
2nd Floor
Development and Building Services
Albuquerque, NM 87103

Re: Plans for Rio Grande Zoo Africa Exhibit Grading and Drainage Plan

K13/0044

Dear Brad:

Attached is a plan set for the grading and drainage of the proposed Africa Exhibit at the Rio Grande Zoo. Per your earlier meeting with David Mahlman, this exhibit is a closed basin and, as such, no flows are permitted to go offsite or enter the area from adjacent basins. The purpose of this plan is to show drainage basins, flow directions and pond volumes for the 100-year event. Flow rates were not a requirement. Actual final grades and elevations will be done by Rio Grande Zoo personnel, to meet the intent of these drainage requirements if not the actual spot elevations and pond configurations. If you have any questions please call Hugh Floyd or me at 823-1000.

Sincerely,
Bohannon Huston, Inc.

Daniel J. Grochowski, P.E. & P.S.
Project Manager
Water Resources Group

DJG/gr
Enclosure

cc: David Mahlman, AIA, Mahlman & Miles Architects

