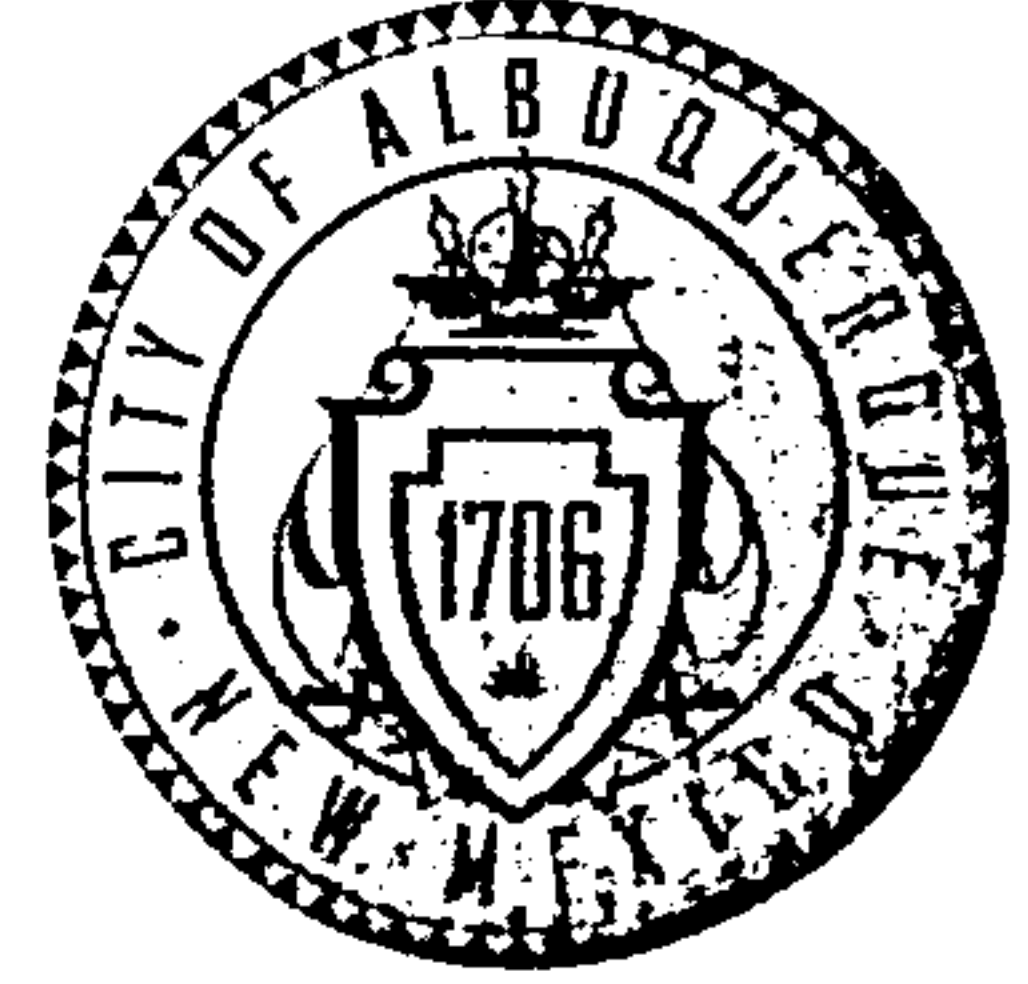


# CITY OF ALBUQUERQUE



November 13, 2008

Mike Walla, P.E.  
Walla Engineering, LTD  
6100 Indian School NE  
Albuquerque, NM 87110

**Re: Lovelace Hospital Storage Addition  
University Heights Hospital Lot M-1  
Grading and Drainage Plan  
Engineer's Stamp dated 11-06-08 (F-17/D010)**

Dear Mr. Walla,

Based upon the information provided in your submittal received 11-07-08, 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. **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 924-3630.

PO Box 1293

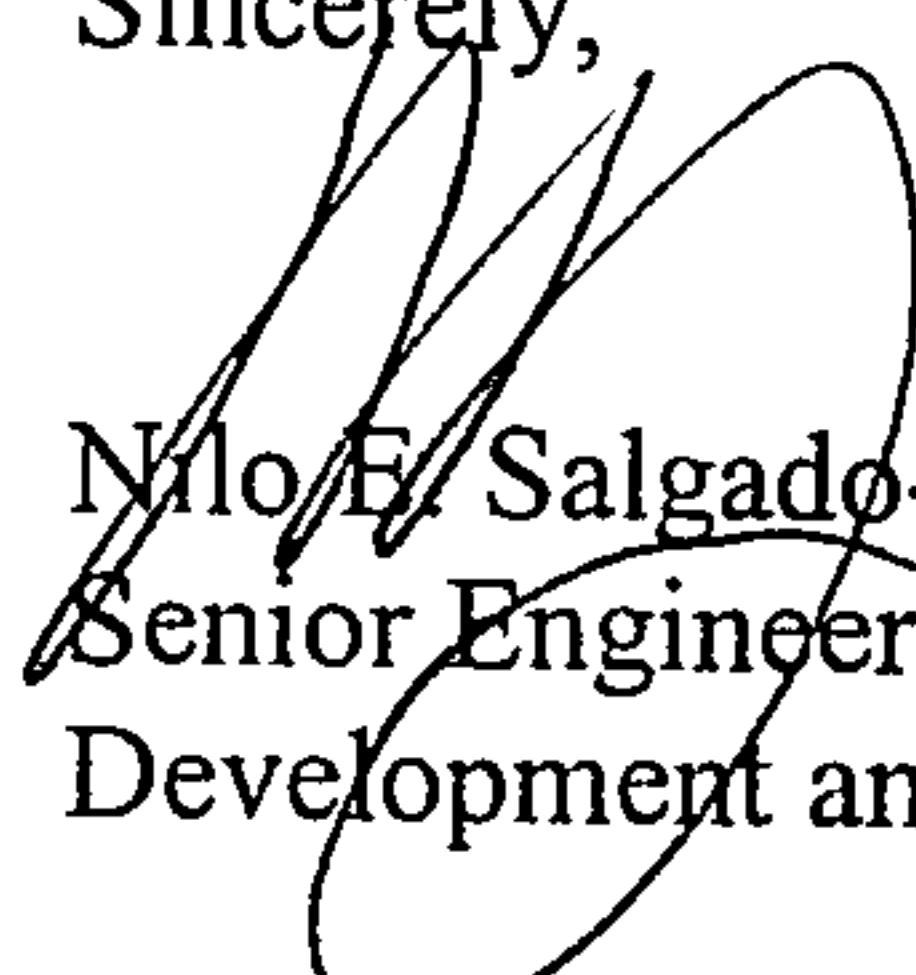
Albuquerque

NM 87103

C: File

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

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

**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/28/2003rd)

PROJECT TITLE: LOVELACE HOSPITAL STORAGE ADDN ZONE MAP/DRG. FILE #: F-17/D010  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: UNIVERSITY HEIGHTS HOSPITAL LOT M-1, BERNALILLO COUNTY, NM  
CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: WALLA ENGINEERING, LTD  
ADDRESS: 6100 INDIAN SCHOOL RD NE  
CITY, STATE: ALBUQ, NM

CONTACT: MIKE WALLA  
PHONE: 881-3008  
ZIP CODE: 87110

OWNER: LOVELACE WOMEN'S HOSPITAL  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

ARCHITECT: MARTIN GRUMMER  
ADDRESS: 331 WELLESLEY PL NE  
CITY, STATE: ALBUQ, NM

CONTACT: \_\_\_\_\_  
PHONE: 265-2507  
ZIP CODE: 87106

SURVEYOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

CONTRACTOR: GEAR & CONNOR  
ADDRESS: \_\_\_\_\_  
CITY, STATE: ALBUQ, NM

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

**CHECK TYPE OF SUBMITTAL:**

- ☒ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL, *REQUIRES TCL or equal*
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☒ 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:**

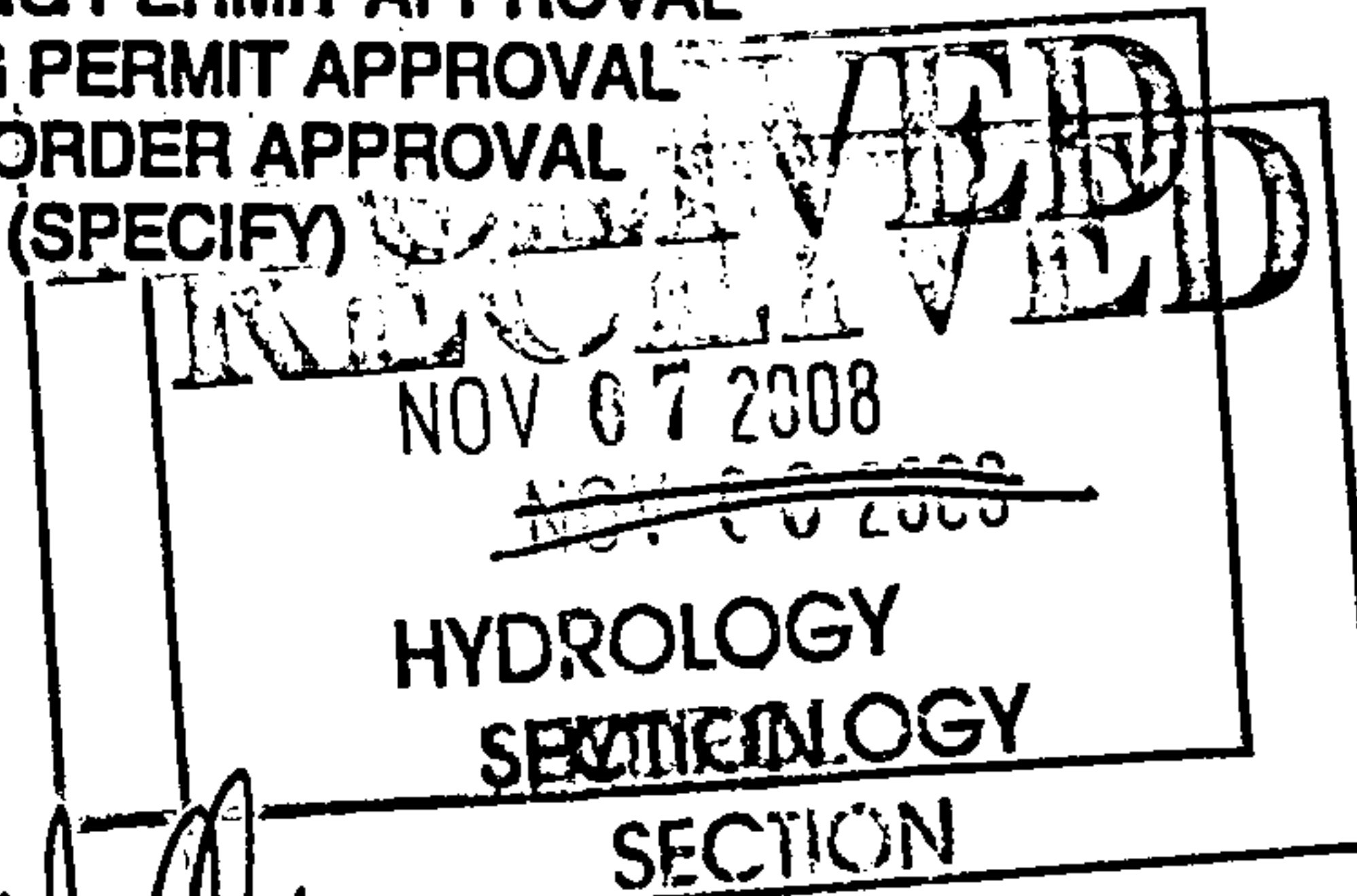
- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM.)
- ☐ CERTIFICATE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

**WAS A PRE-DESIGN CONFERENCE ATTENDED:**

- ☒ YES
- ☐ NO
- ☐ COPY PROVIDED

\$ 30.00

DATE SUBMITTED: 11/7/08 BY: [Signature]



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 (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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



# CITY OF ALBUQUERQUE



August 24, 2007

Scott Mc Gee, P.E.  
**Isaacson & Arfman, P.A.**  
128 Monroe Street NE  
Albuquerque, NM 87108

**Re: Lovelace Women's Hospital of New Mexico, 4701 Montgomery Blvd. NE,  
Approval of Permanent Certificate of Occupancy (C.O.)  
Engineer's Stamp dated 11/02/06 (F-17/D010)  
Certification dated 08/23/07**

Dear Mr. McGee,

P.O. Box 1293

Based upon the information provided in your submittal received 08/23/2007, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

New Mexico 87103

Sincerely,

Timothy Sims  
Plan Checker-Hydrology, Planning Dept.  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: CO Clerk  
File

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Lovelace Women's Hospital of NM ZONE MAP / DRG. FILE #: F-17 / D10  
DRB #: 1003804 EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: 4701 Montgomery BLVD NE

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: LOVELACE CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT Earl Swensson Assoc. CONTACT: Mark Watson  
ADDRESS: 2100 West End Ave Vanderbilt Plaza PHONE: \_\_\_\_\_  
CITY, STATE: Nashville Tennessee ZIP CODE: 37203

SURVEYOR: Forstbauer Surveying CONTACT: Ron Forstbauer  
ADDRESS: \_\_\_\_\_ PHONE: 268-2112  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

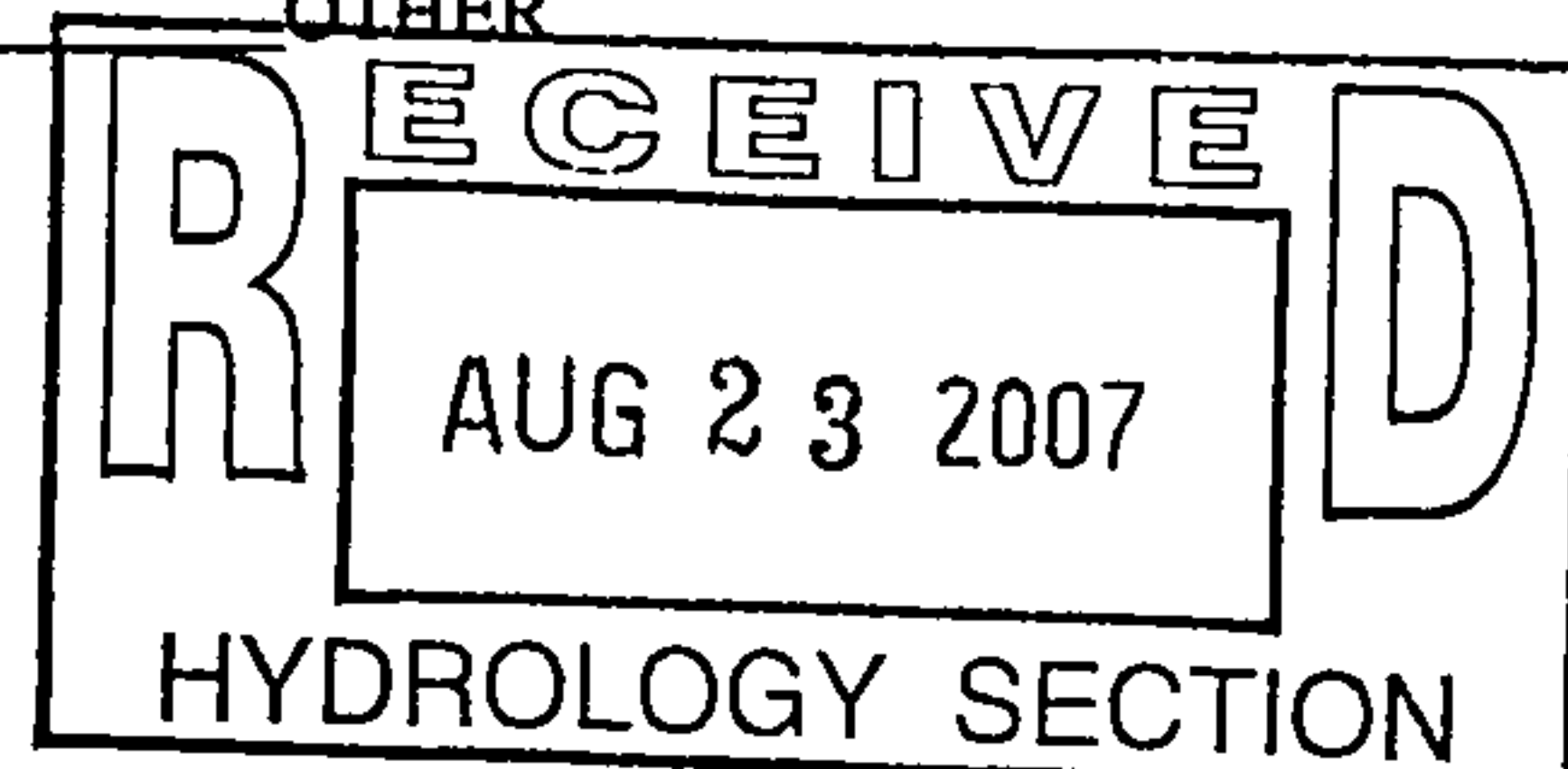
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☒ EROSION CONTROL PLAN  
☒ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

## 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 APPR.  
☐ 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



DATE SUBMITTED: Thursday, AUGUST 23, 2007 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

# CITY OF ALBUQUERQUE



**Planning Department  
Transportation Development Services Section**

August 23, 2007

Scott M. McGee, P.E.  
128 Monroe St. NE  
Albuquerque, NM 87108

Re: Certification Submittal for Final Building Certificate of Occupancy for  
Lovelace Women's Hospital N.I.C.U. Addition, [F-17 / D10]  
4701 Montgomery NE  
Engineer's Stamp Dated 08/23/07

Dear Mr. McGee:

The TCL / Letter of Certification submitted on August 23, 2007 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

P.O. Box 1293

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

F-17/D010

Women's Hospital NICU shell

PROJECT TITLE: Lovelace Women's Hospital of NM

ZONE MAP / DRG. FILE #: F-17 / D10

DRB #: 1003804

EPC #: \_\_\_\_\_

WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: 4701 Montgomery BLVD NE

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: LOVELACE

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

ARCHITECT Earl Swensson Assoc.

ADDRESS: 2100 West End Ave Vanderbilt Plaza

CITY, STATE: Nashville Tennessee

CONTACT: Mark Watson

PHONE: \_\_\_\_\_

ZIP CODE: 37203

SURVEYOR: Surveys Southwest LS # 8686

ADDRESS: 333 Lomas NE

CITY, STATE: Albuquerque, New Mexico

CONTACT: Dan Graney

PHONE: 998-0303

ZIP CODE: 87102

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

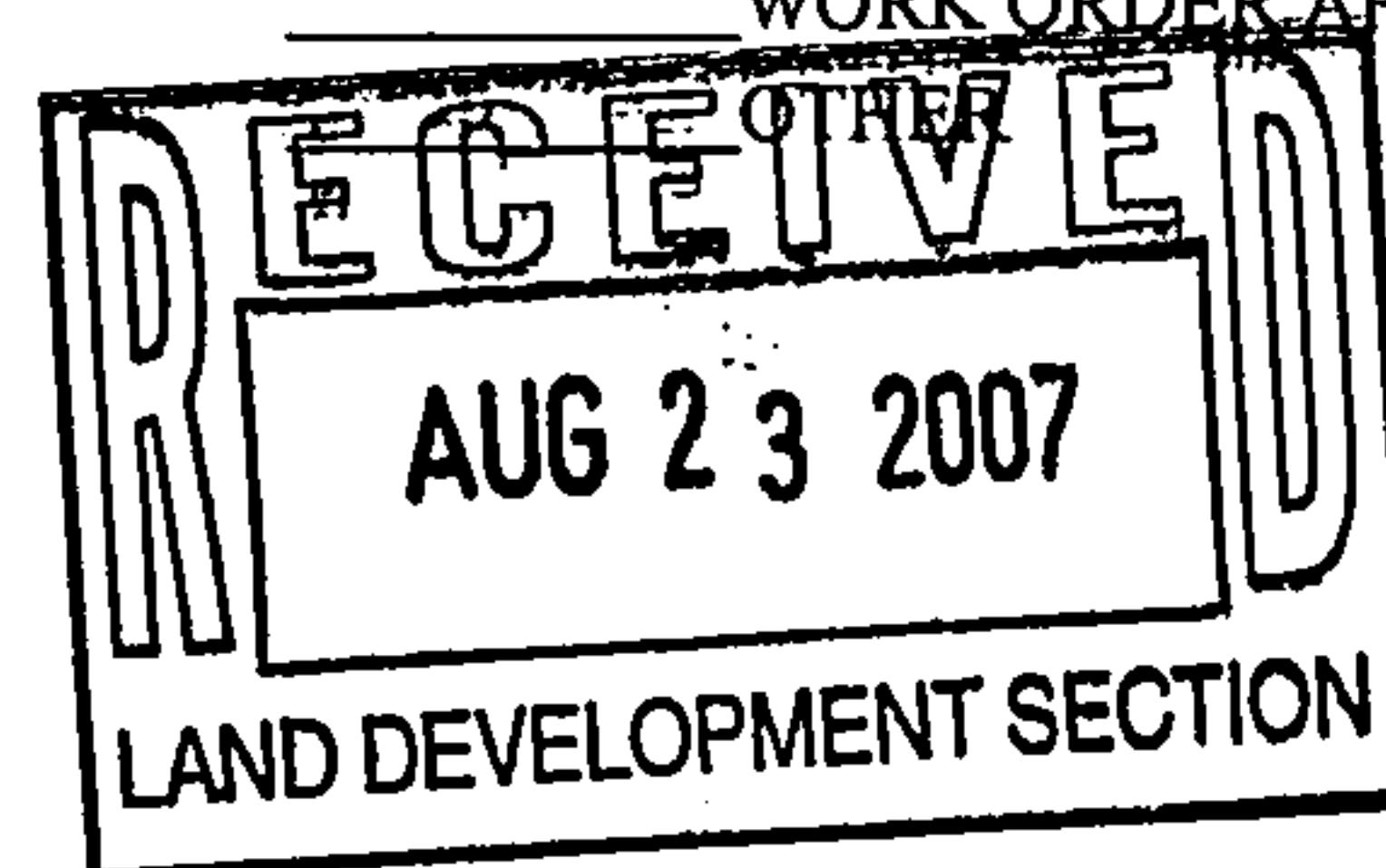
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR / LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERTIFICATION (TCL)
- ☒ ENGINEER'S 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 APPR.
- ☐ 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

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

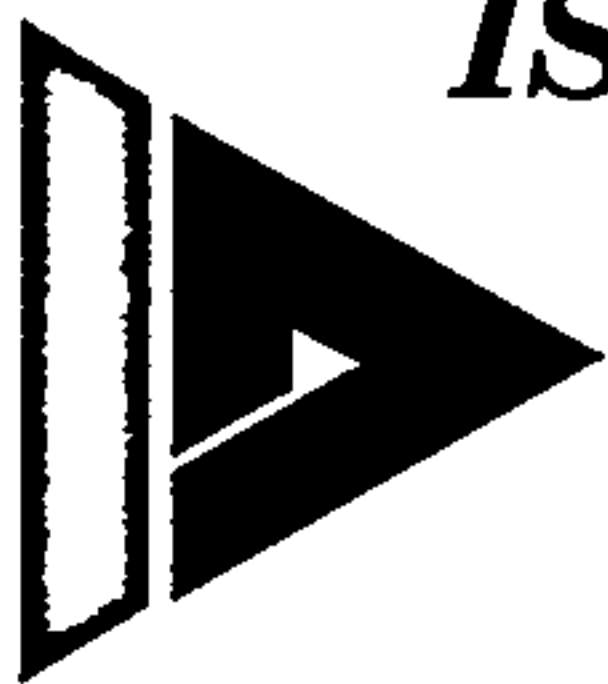


DATE SUBMITTED: Thursday, August 23, 2007

BY: Isaacson & Arfman, P.A.

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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3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



**ISAACSON & AREMAN, P.A.**

**Consulting Engineering Associates**

*Thomas O. Isaacson, PE & LS • Fred C. Arfman, PE  
Scott M. McGee, PE*

August 23, 2007

Mr. Nilo Salgado-Fernandez, PE  
Senior Engineer  
Transportation Development Coordination  
Planning Department  
City of Albuquerque  
P.O. Box 1293  
Albuquerque, NM 87103


**RE: Lovelace Women's Hospital N.I.C.U. Addition  
(DRB No. 1003804 - 4701 Montgomery Blvd. NE)  
Site Plan Certification**

Dear Mr. Salgado-Fernandez:

I, Scott M. McGee, NMPE No. 10519, of the firm Isaacson & Arfman, P.A., hereby certify that this project has been constructed and will function in substantial compliance with and in accordance with the design intent of the approved Site Plan (Administrative Amendment Approval dated 11/17/06).

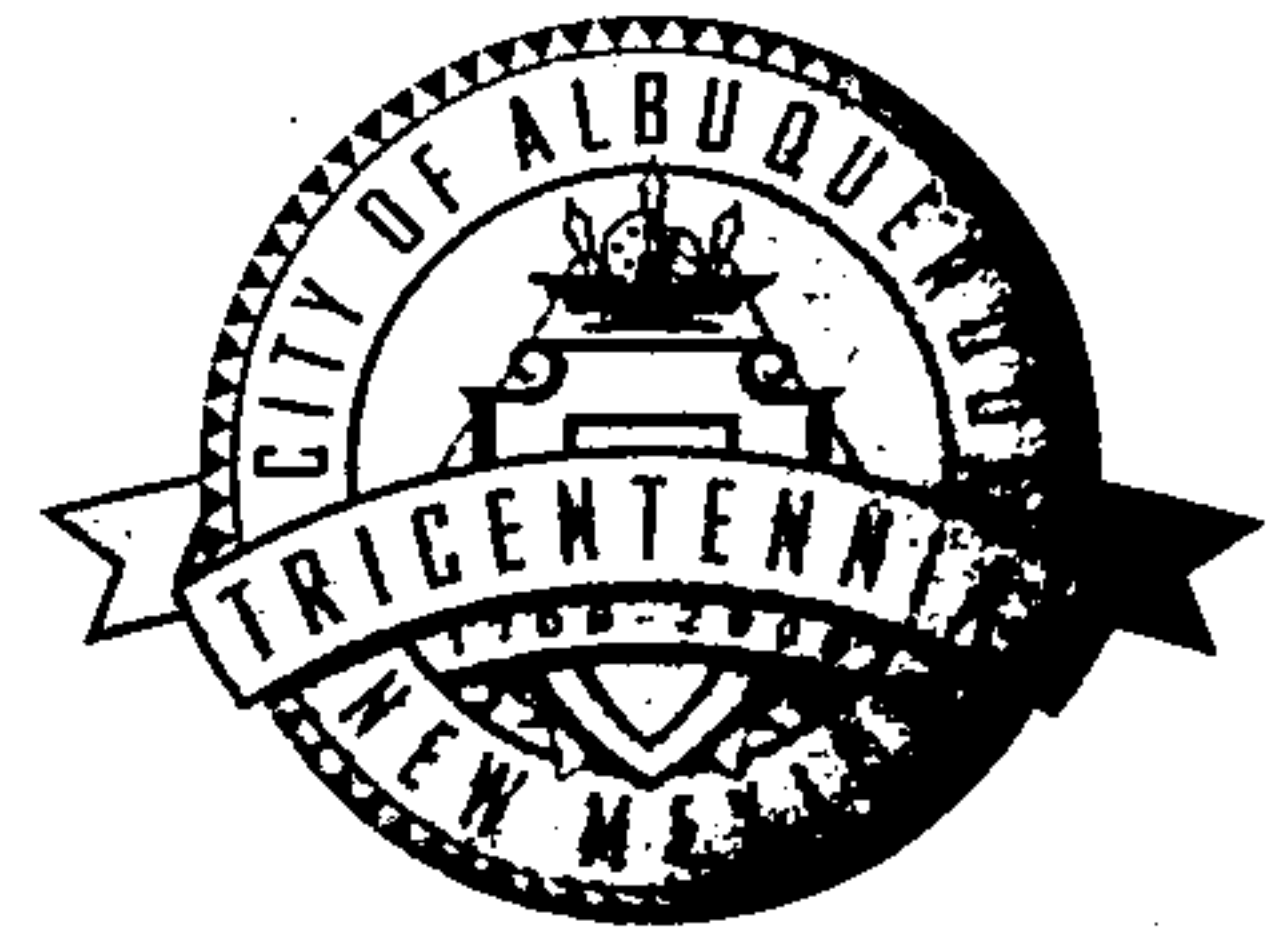
Sincerely,

**ISAACSON & ARFMAN, P.A.**

  
Scott M. McGee, PE  
SMM/rtl



# CITY OF ALBUQUERQUE



November 13, 2006

Jeffrey Todd Wooten, P.E.  
Wooten Engineering, LTD.  
5017 Sanbusco Dr. NE  
Rio Rancho, NM 87144

Re: Women's Hospital of New Mexico, Engineer's Stamp dated 11-6-06  
4701 Montgomery NE Building Addition (F17/D10)

Dear Mr. Wooten,

Based upon the information provided in your submittal received 11-7-06, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions or need additional information, feel free to contact me at 924-3990.

P.O. Box 1293

Sincerely,

Albuquerque

New Mexico 87103

Jeremy Hoover, P.E.  
Senior Engineer  
Hydrology Section  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

cc: file (F17/D10)



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/11/2002)

PROJECT TITLE: Women's Hospital of New Mexico ZONE MAP/DRG. FILE # F-17/D10  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract M-1, University Heights Hospital  
CITY ADDRESS: 4701 Montgomery Blvd

ENGINEERING FIRM: Wooten Engineering  
ADDRESS: 5017 Sanbusco Dr NE  
CITY, STATE: Rio Rancho, NM

CONTACT: Jeff Wooten  
PHONE: (505) 771-8038  
ZIP CODE: 87144

OWNER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

ARCHITECT: KGA Architects  
ADDRESS: 214 Truman St  
CITY, STATE: Albuquerque

CONTACT: Bill Santiana  
PHONE: 255-4975  
ZIP CODE: 87108

SURVEYOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

**CHECK TYPE OF SUBMITTAL:**

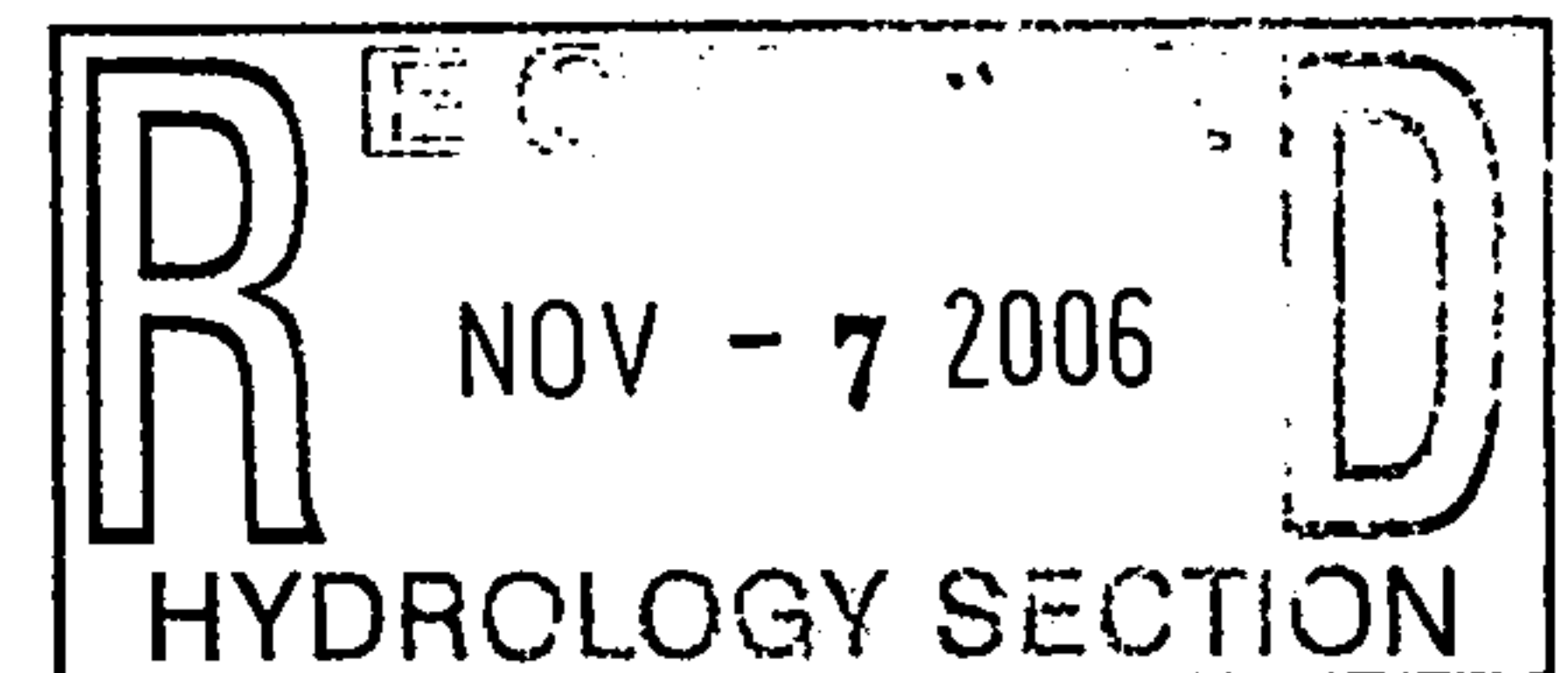
- ☐ DRAINAGE REPORT  
☒ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEERS CERTIFICATION (TCL)  
☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)  
☒ OTHER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

**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: November 6, 2006 BY: Jeff Wooten

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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2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



**Wooten Engineering**  
5017 Sanbusco Dr NE  
Rio Rancho, NM 87144  
505-771-8038  
Fax 505-771-8905

November 6, 2006

Jeremy Hoover  
City of Albuquerque – Hydrology Division  
Plaza Del Sol  
Albuquerque, New Mexico 87103

Re: Women's Hospital of New Mexico (F17/D10)  
4701 Montgomery NE Building Addition

Dear Jeremy:

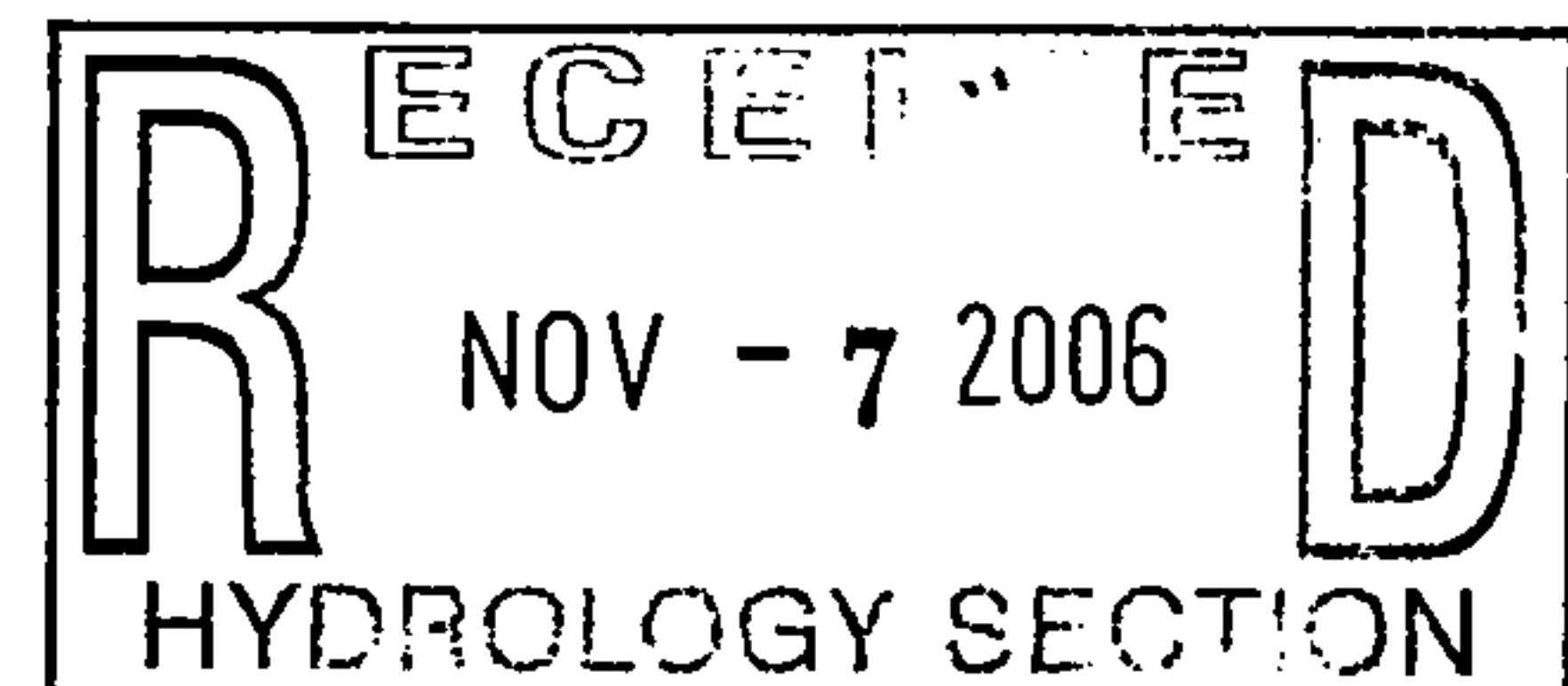
We have received your comments dated October 30, 2006 and appreciate your prompt response. We apologize for having a City of Rio Rancho reference on the plans. The reference has been corrected to read The City of Albuquerque. Please accept the attached revised plan and approve it as necessary.

If there is anything else you need from us in the meantime, please let me know.

Respectfully submitted,

Jeffrey T. Wooten, P.E.  
Owner

JTW/jtw



# Letter of Transmittal

To: Arlene Portillo  
City of Albuquerque - Hydrology  
Plaza Del Sol

Date: Monday, November 06, 2006  
Job No.: 2006036  
Re: Women's Hospital of New Mexico

Received By: \_\_\_\_\_  
Date: \_\_\_\_\_

## WE ARE SENDING YOU:

Via: Hand Delivery

☒ As requested   ☒ For your use/information   ☐ For review/comment   ☐ For approval/signature (please return)

Copies	Description
1	Revised Copy of Grading Plan for Building Permit Approval
1	Letter to Jeremy Hoover
1	Drainage Info Sheet

## Remarks:

Arlene,  
We have addressed Jeremy's comments. Please forward to him for approval.  
Thanks,

Copy To: KGA

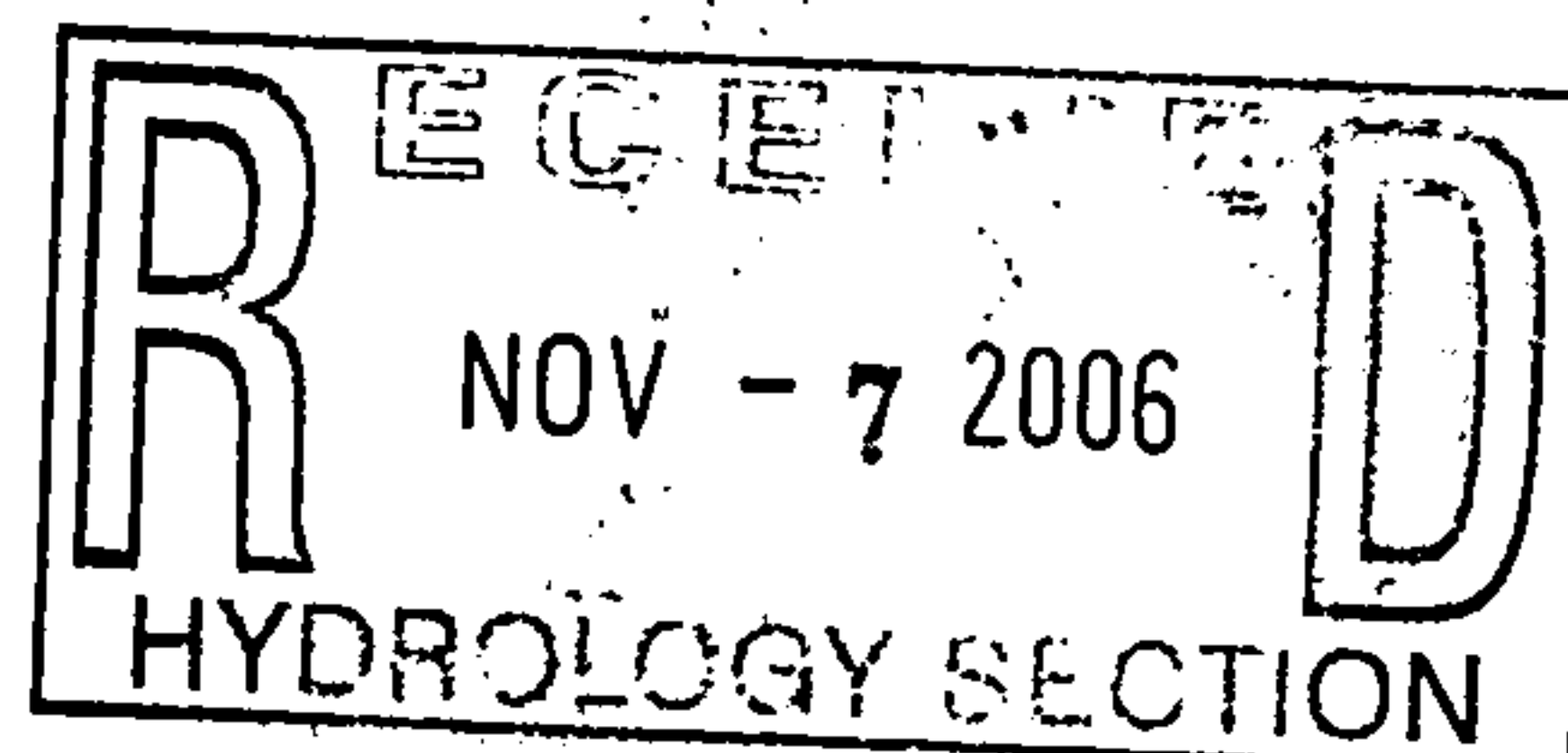
By: Jeffrey A. Wooten, P.E.

☒ Correspondence File  
☐ Reader File

If enclosures are not as noted, kindly notify us at once

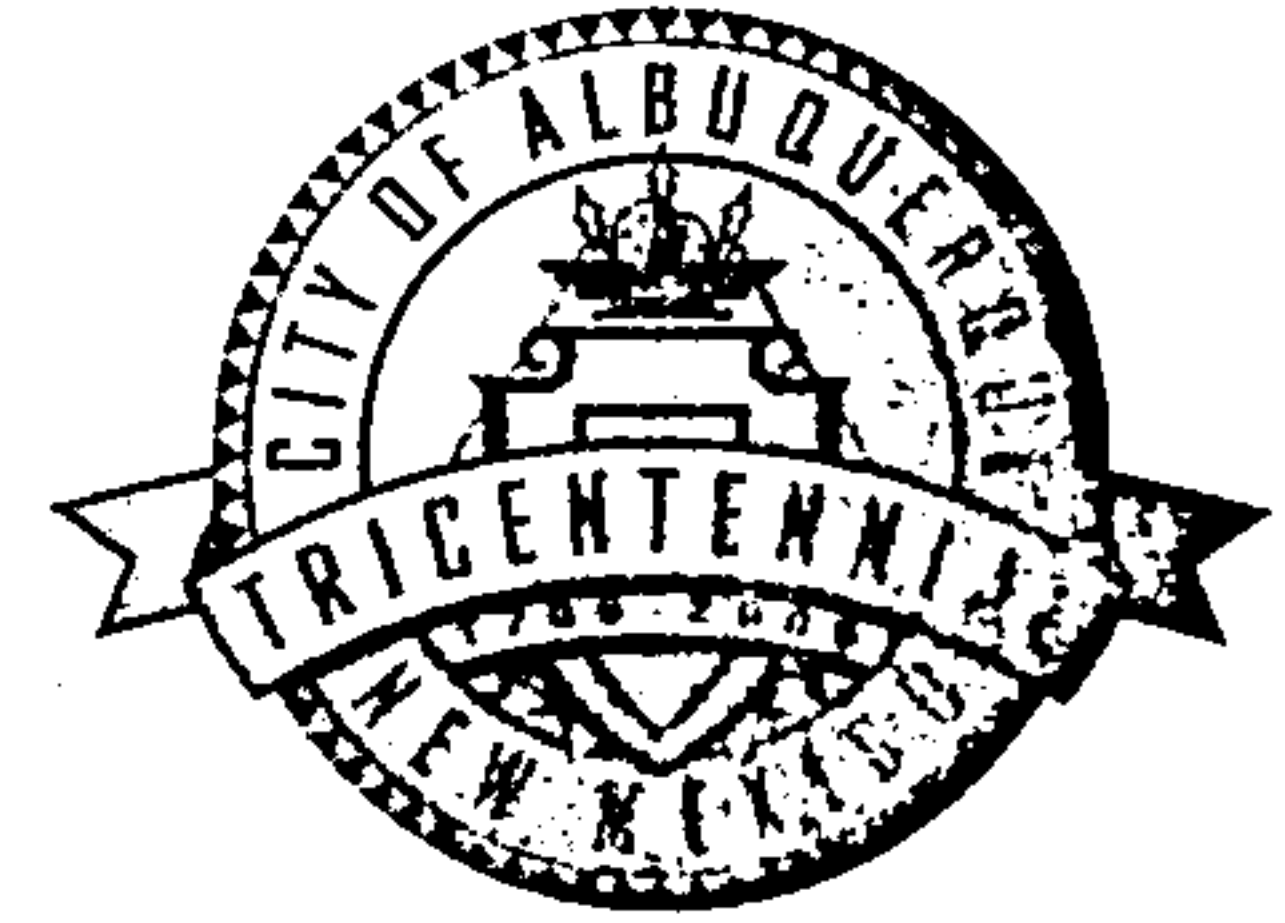
# WE

**Wooten Engineering**  
5017 Sanbusco Dr NE  
Rio Rancho, NM 87144  
505-771-8038  
Fax 505-771-8905





# CITY OF ALBUQUERQUE



March 22, 2007

Jeffrey T. Wooten, P.E.  
Wooten Engineering  
5017 Sanbusco Dr NE  
Rio Rancho, NM 87144

**Re: Women's Hospital, 4701 Montgomery, Approval of Permanent Certificate  
of Occupancy (C.O.), Engineer's Stamp dated 11/06/06 (F-17/D010)  
Certification dated 3/21/07**

Based upon the information provided in your submittal received 3/22/07, the above  
referenced certification is approved for release of Permanent Certificate of Occupancy  
by Hydrology.

P.O. Box 1293

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

Albuquerque

Sincerely,

Timothy Sims  
Plan Checker - Hydrology  
Development and Building Services

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

C: CO Clerk-Katrina Sigala  
File

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

PROJECT TITLE: Parking Lot ER ADDITION ZONE MAP/DRG. FILE # F-17 / D10  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract M-1, University Heights Hospital  
CITY ADDRESS: 4701 Montgomery Blvd

ENGINEERING FIRM: Wooten Engineering CONTACT: Jeff Wooten  
ADDRESS: 5017 Sanbusco Dr NE PHONE: (505) 771-8038  
CITY, STATE: Rio Rancho, NM ZIP CODE: 87144

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: KGA Architects CONTACT: Bill Santiana  
ADDRESS: 214 Truman St PHONE: 255-4975  
CITY, STATE: Albuquerque ZIP CODE: 87108

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

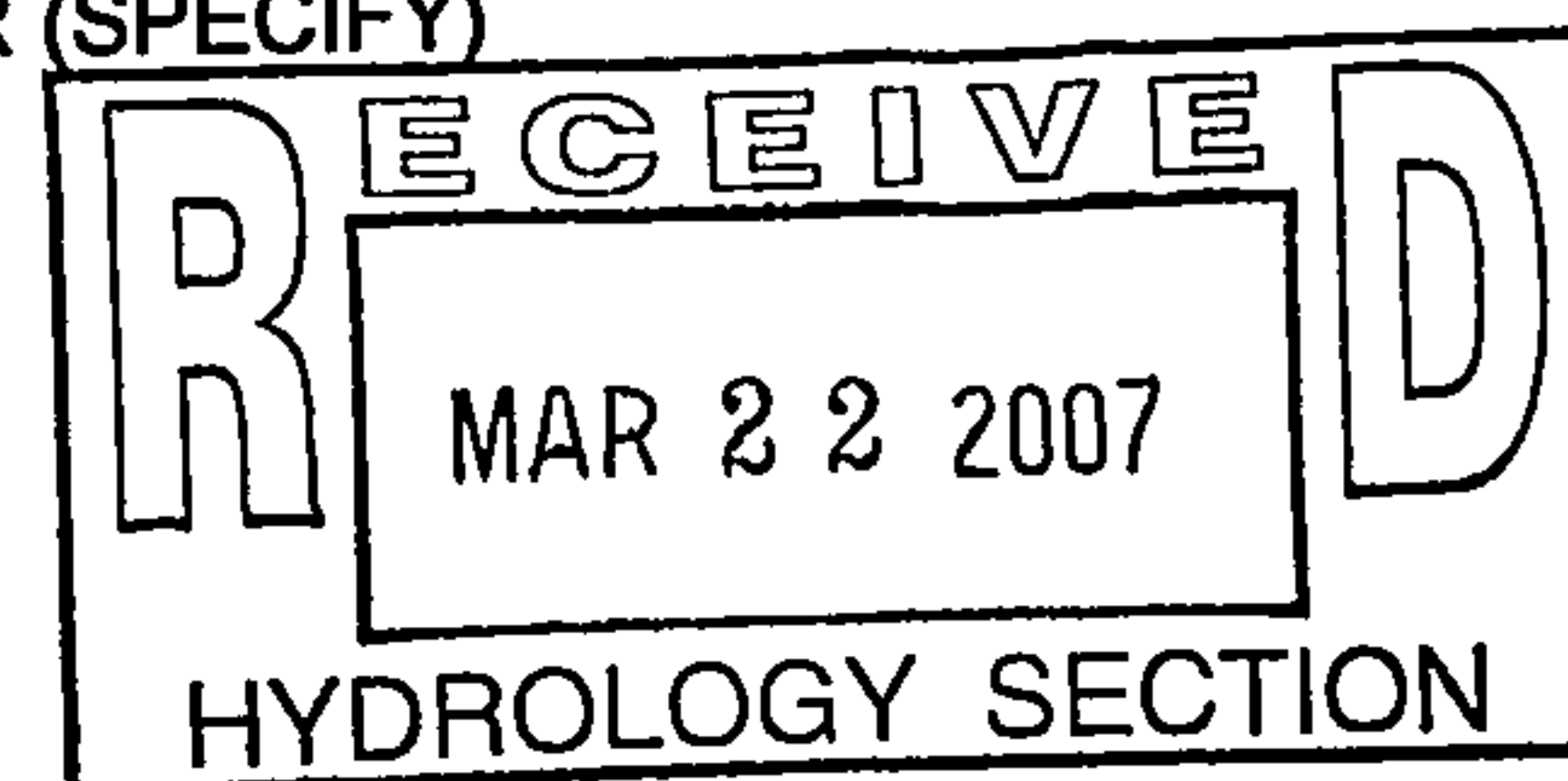
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER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

## 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: March 21, 2007 BY: Jeff Wooten

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 (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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

# CITY OF ALBUQUERQUE



**Planning Department  
Transportation Development Services Section**

March 20, 2007

Kevin E. Georges, Registered Architect  
214 Truman NE  
Albuquerque, NM 87108-1333

Re: Certification Submittal for Final Building Certificate of Occupancy for  
ER Expansion-Womens Hospital of NM(Lot M-1), [F-17 / D10]  
4701 Montgomery NE  
Architect's Stamp Dated 03/19/07

P.O. Box 1293

Dear Mr. Georges:

Albuquerque

The TCL / Letter of Certification submitted on March 19, 2007 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

New Mexico 87103

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

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. 12/05)

PROJECT TITLE: ER EXPANSION-WOMENS Hospital of NM ZONE MAP/DRG. FILE # F-17-2 D 10  
DRB#: AA 0600 01477 EPC#: 1003804 WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: University Heights Hospital, Lot M-1  
CITY ADDRESS: 4701 MONTGOMERY BLVD NE, ALBUQUERQUE, NEW MEXICO

ENGINEERING FIRM: Wooten Engineering  
ADDRESS: 5017 SANBUSTO DRIVE NE  
CITY, STATE: ALBUQUERQUE NEW MEXICO 87144

CONTACT: JEFF WOOTEN  
PHONE: (505) 771-6083  
ZIP CODE: 87144

OWNER: Womens Hospital of New Mexico  
ADDRESS: 4701 MONTGOMERY BLVD NE  
CITY, STATE: ALBUQUERQUE, NEW MEXICO

CONTACT: HANK HUMME  
PHONE: (505) 727-7776  
ZIP CODE: 87109

ARCHITECT: Kevin Georges and Associates  
ADDRESS: 214 TRUMAN STREET NE  
CITY, STATE: ALBUQUERQUE NEW MEXICO 87108

CONTACT: William Santana  
PHONE: (505) 255-4975  
ZIP CODE: 87108

SURVEYOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

CONTRACTOR: PLATINUM BUILDERS  
ADDRESS: 3018 4th ST. NW  
CITY, STATE: ALBUQUERQUE NM 87107

CONTACT: WAYNE MITCHELL  
PHONE: (505) 352-8897  
ZIP CODE: 87107

**TYPE OF SUBMITTAL:**

- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL G & D PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERT (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT  
☐ ENGINEER/ARCHITECT CERT (TCL)  
☐ ENGINEER/ARCHITECT CERT (DRB S.P.)  
☒ ENGINEER/ARCHITECT CERT (AA)  
☐ OTHER (SPECIFY) \_\_\_\_\_

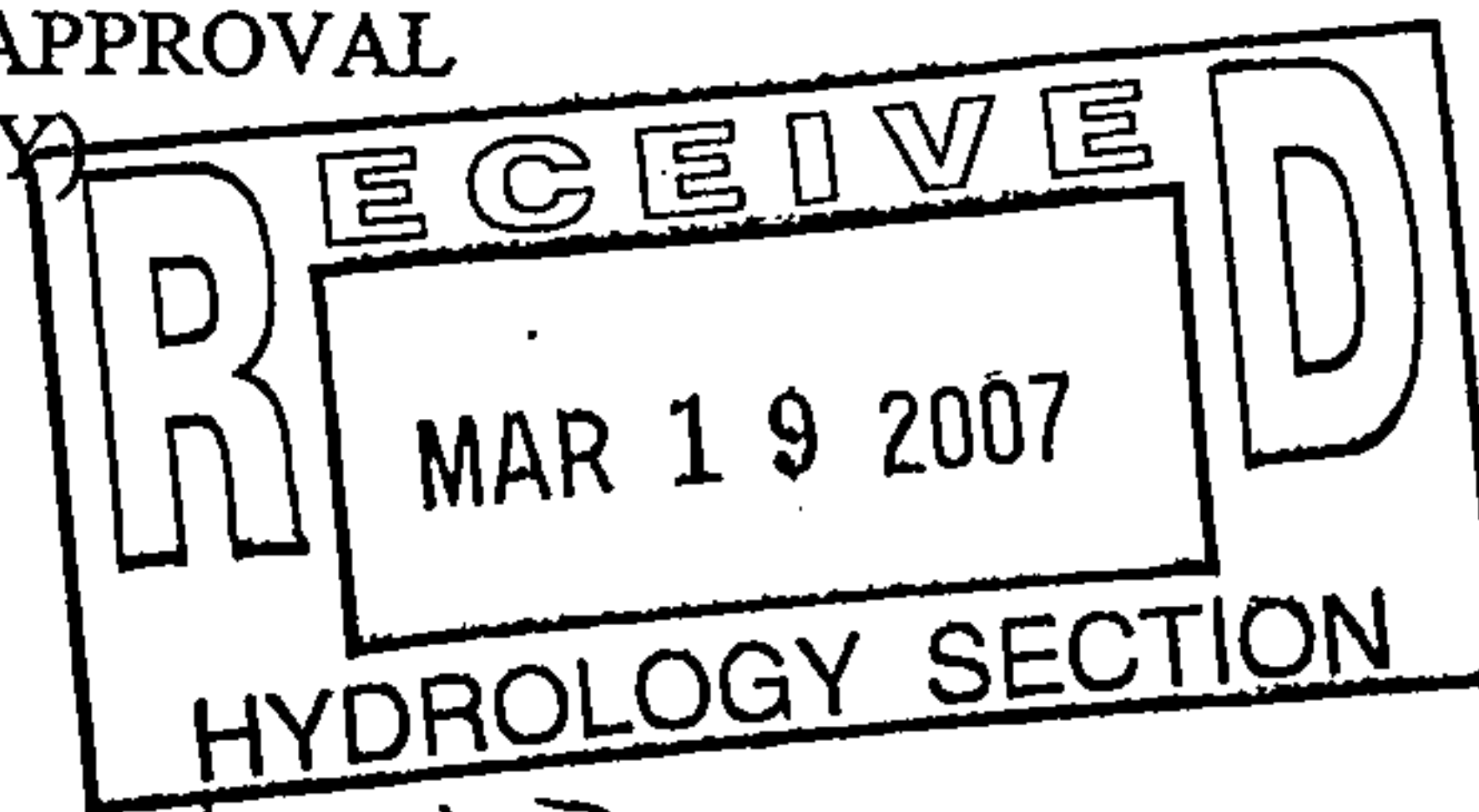
**CHECK TYPE OF APPROVAL SOUGHT:**

- ☐ 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: William Santana DATE: 2/19/07



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 define 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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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.





March 19, 2007

City of Albuquerque  
Planning Department  
Development Services Division  
P.O. Box 1293  
Albuquerque, New Mexico 87102

Re: Final Site Plan Certification for Traffic  
ER Expansion Women's Hospital of New Mexico  
4701 Montgomery Blvd. NE  
Albuquerque, New Mexico

Legal Description: University Heights Hospital  
Lot M-1  
Bernalillo County, New Mexico

Zone Atlas Page No.: F - 17 - Z

To Whom it May Concern:

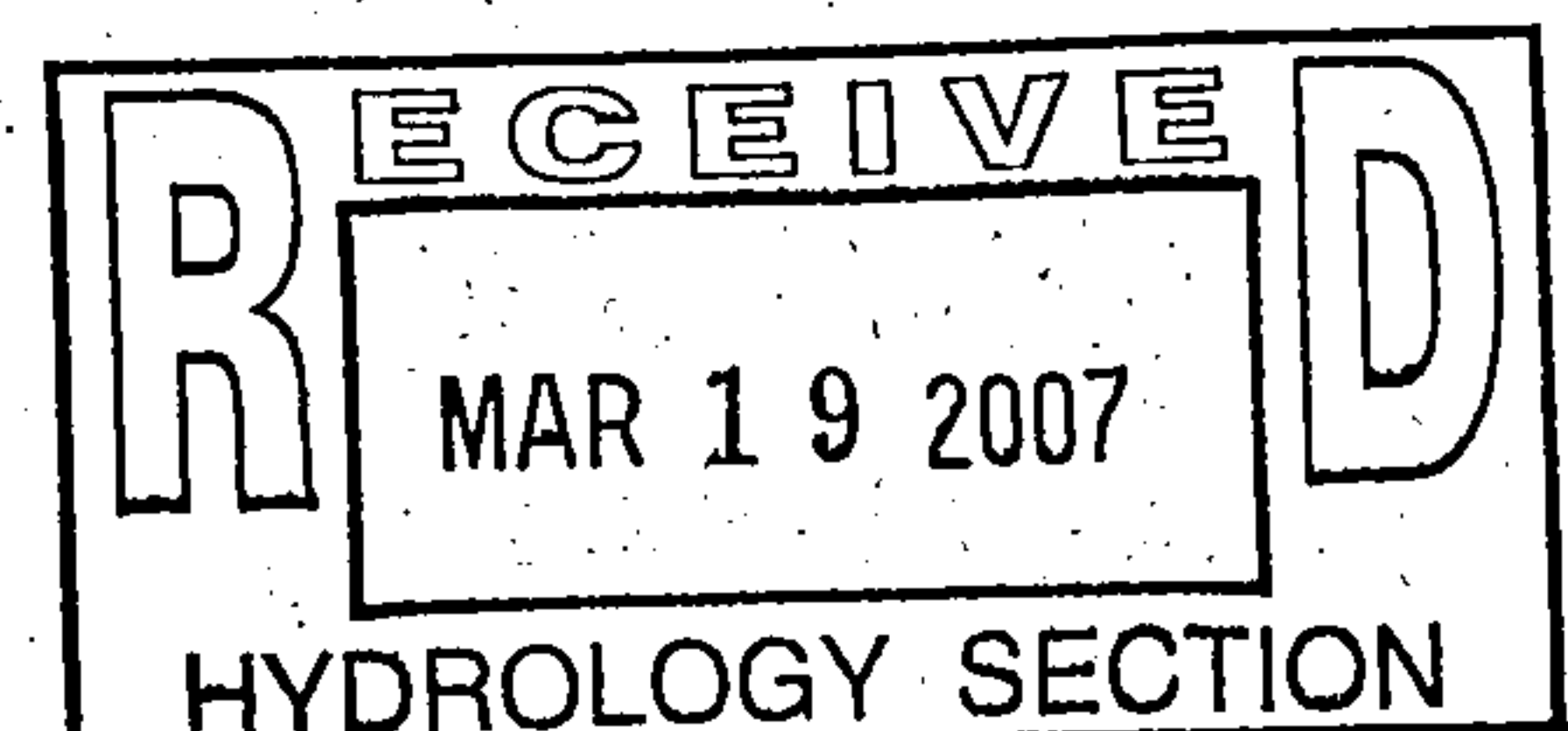
Please find the attached copy of the Site Plan as approved by Administrative Amendment on November 8, 2007. Note: Existing parking and traffic was not impacted or changed in any way with this addition, therefore a TCL Approval was not required.

I Kevin Georges, NMRA, of the firm Kevin Georges and Associates, hereby certify that this project is in substantial compliance with and in accordance with the design intent of the AA approved plan dated November 8, 2006. (There was no record information edited onto the original Design Document). I further certify that I have personally visited the Project Site on March 16, 2007 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This Certification is submitted in support of a Request For Certificate Of Occupancy.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the traffic aspects of this project. Those relying on the record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Sincerely,

Kevin Georges, AIA  
Principal Architect  
NM Architect 1471



KEG/vg  
2006.23\CA

Kevin Georges & Associates, PA • A Professional Association

214 Truman Street NE • Albuquerque, New Mexico 87108-1333  
(505) 255-4975 • Fax (505) 255-9943



# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 22, 1994

James Topmiller  
Bohannon Huston, Inc.  
7500 Jefferson NE  
Albuquerque, NM 87109

RE: CERTIFICATE OF OCCUPANCY RELEASE FOR ST. JOSEPH HOSPITAL WOMEN'S CENTER  
ADDITION (F-17/D10), ENGINEER'S STAMP DATED 7/25/94

Dear Mr. Topmiller:

Your 7/28/94 submittal is sufficient to approve Engineer's Certification for the referenced project. Also approved at this time is your Certification for the existing facility.

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

Cordially,

Scott Davis  
PWD, Hydrology Division

c: Andrew Garcia  
Lynda Michelle DeVanti  
File

(wp+8180)



# DRAINAGE INFORMATION SHEET

PROJECT TITLE: ST. JOSEPH WOMEN'S CENTER ZONE ATLAS/DRNG. FILE # F17-D10  
 DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_  
 LEGAL DESCRIPTION: \_\_\_\_\_  
 CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: BOHANNAN HUSTON, INC. CONTACT: JAMES TOPMILLER  
 ADDRESS: 7500 JEFFERSON NE, ALB. NM 87109 PHONE: 823-1000  
 OWNER: ST. JOSEPH HOSPITAL CONTACT: MEL LYERLA  
 ADDRESS: 400 WALTER NE, ALBUQ. 87102 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

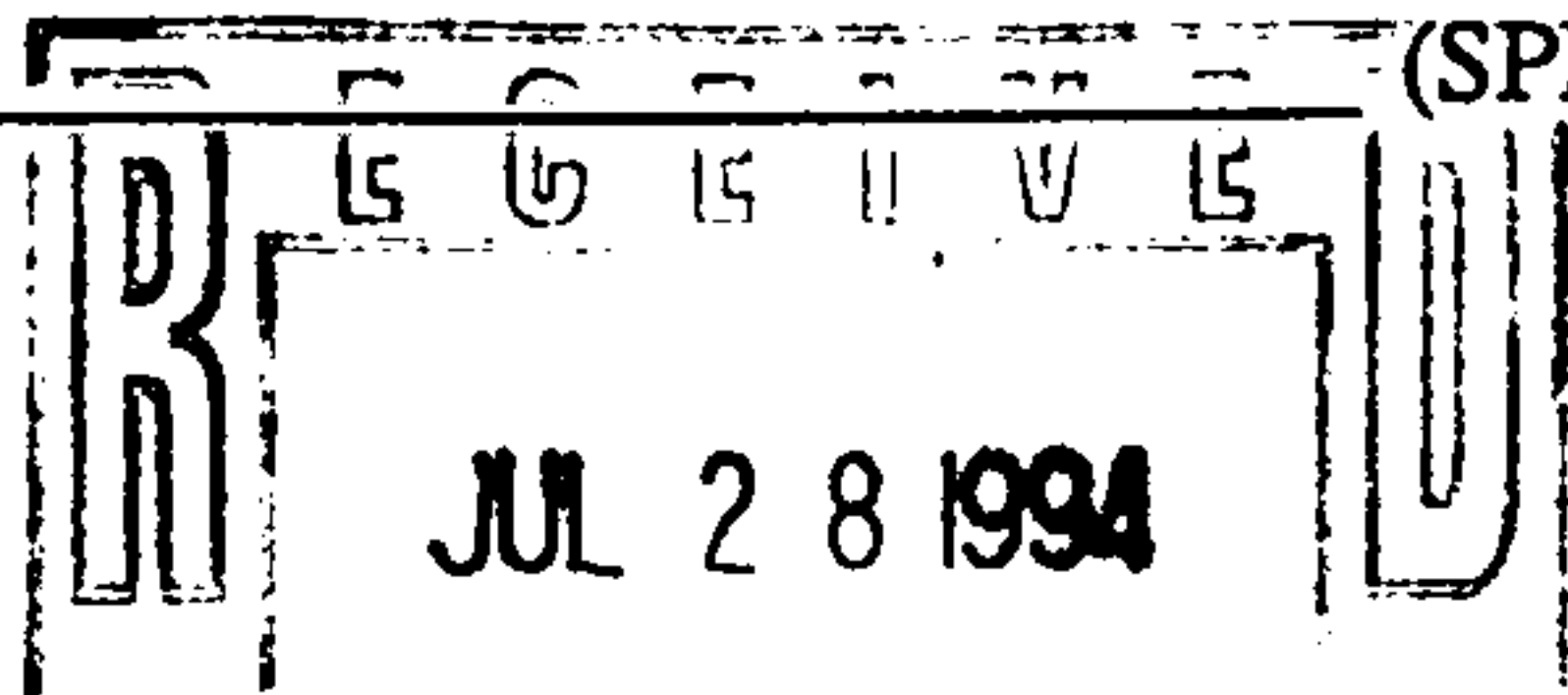
## PRE-DESIGN MEETING:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

## 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)

DATE SUBMITTED: 7/22/94  
 BY: JAMES TOPMILLER



July 21, 1994

Mr. Scott Davis  
Hydrology Division  
Public Works Department  
City of Albuquerque  
P.O. Box 1293  
Albuquerque, NM 87103

Re: Drainage Certification for St. Joseph's Hospital, Northeast Heights Location (F17-D10)

Dear Scott:

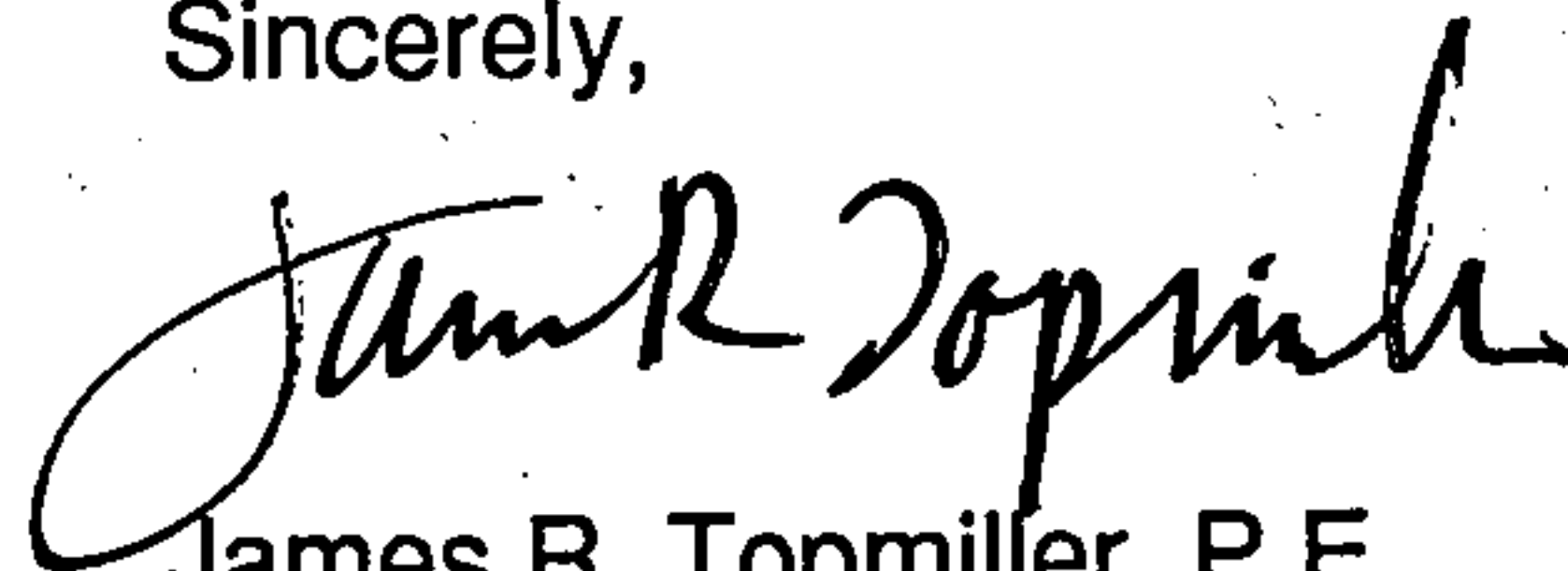
The purpose of this letter is to submit to you a Drainage Certification plan for both the recent construction of the Women's Center at the above referenced site and a belated certification for the entire hospital complex.

Accordingly, the following certifications are made:

1. Women's Center Certification. The enclosed plan identifies key as-built elevations of the completed construction on the Women's Center site. This as-built information and my field review indicate compliance with the approved Drainage/Grading plan on file with the City Hydrology Division's office. There were minor parking island reconfigurations since the approved plan but these do not affect the drainage plan.
2. The entire hospital complex. The enclosed plan identified as the St. Joseph Northeast Heights Hospital Complex is an aerial topographic mapping of the complex immediately prior to the construction of the Women's Center. As-built elevations are reflected both by contours and by individual spot elevations at key locations. Drainage directions and detention ponds, as required by the approved plans, are indicated in the enclosed Certification Plan. Certification of substantial compliance with City approved plans is also verified by my field inspection of the site. Also enclosed are copies of the old plans prepared by Fred Denning & Associates for the pre-Women's Center Hospital Complex for your reference.

With these submittals and certifications, we request Certificate of Occupancy approval from the Hydrology Division. If I can provide additional information or answer any questions, please feel free to contact me at any time.

Sincerely,



James R. Topmiller, P.E.  
Vice President  
Community Development and Planning

JRT/jk  
Enclosure

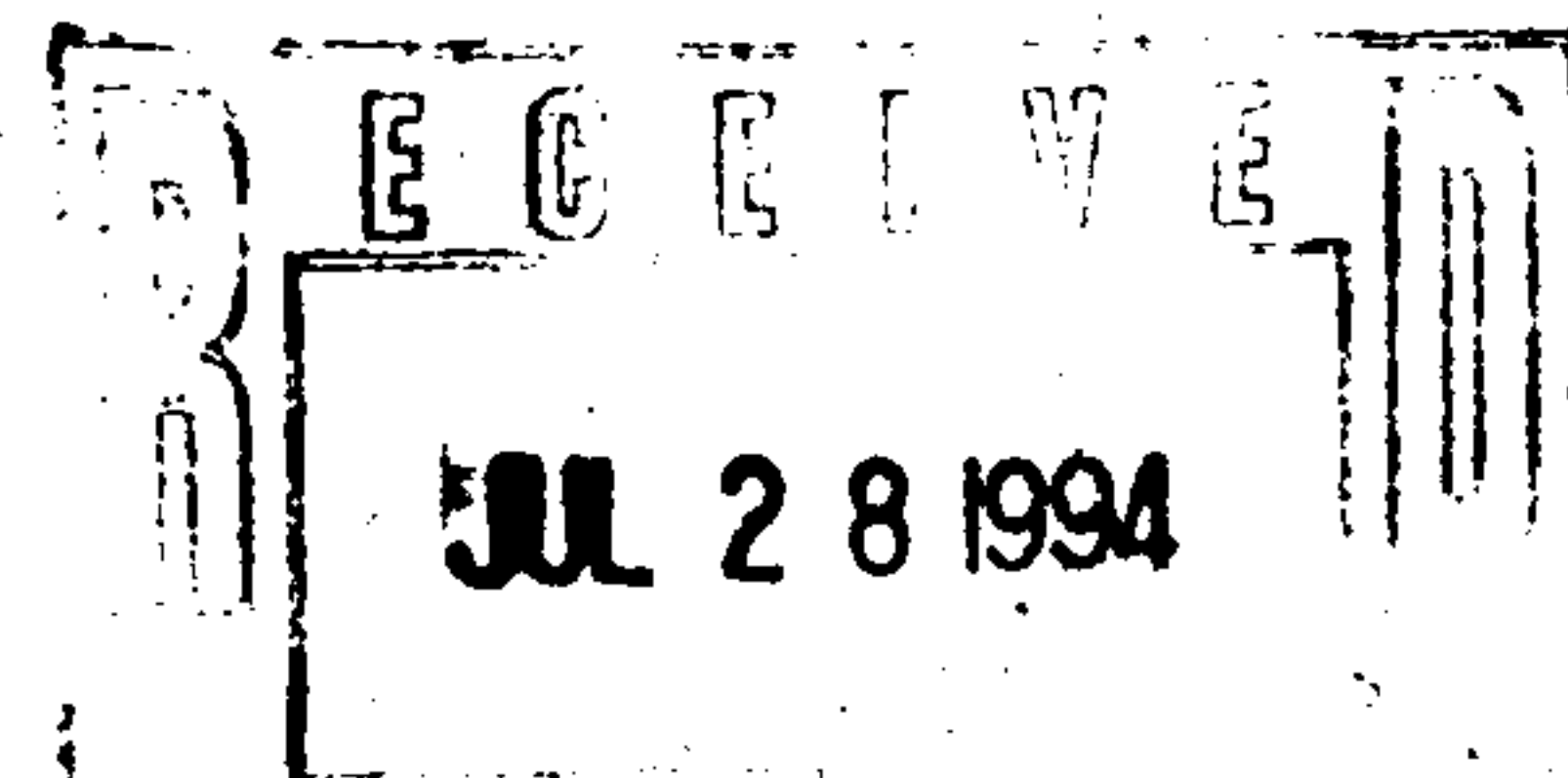
cc: Mark Wade, FMSM

I:\CDP\9228447\DAVIS.LTR-7/21/94  
PRINCIPALS

LARRY W. HUSTON, C.P.  
MICHAEL M. EMERY, P.E.  
BRIAN G. BURNETT, P.E.  
KERRY L. DAVIS, P.E.

LARRY A. LARRAÑAGA, P.E.  
HOWARD C. STONE, P.E.  
WILLIAM L. VREEKE, P.E.  
GORDON A. WALHOOD, JR., P.E.

MARY E. CARTER  
GEORGE RADNOVICH, R.L.A.  
SILAS V. SUAZO  
JAMES R. TOPMILLER, P.E.



BOHANNAN-HUSTON INC.



COURTYARD I, 7500 JEFFERSON STREET, N.E. ALBUQUERQUE, NM 87109  
TEL (505) 823-1000 FAX (505) 821-0892





# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 21, 1993

Mr. James Topmiller  
Bohannon Huston, Inc.  
7500 Jefferson NE  
Albuquerque, NM 87109

RE: DRAINAGE & GRADING PLAN FOR ST. JOSEPH HOSPITAL WOMEN'S CENTER ADDITION  
(F-17/D10), ENGINEER'S STAMP DATED 10/29/93

Dear Mr. Topmiller:

Based upon the information supplied in your 12/17/1993 submittal, the plan is approved for Site Plan and Building Permit. Please be advised that prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist.

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

Cordially

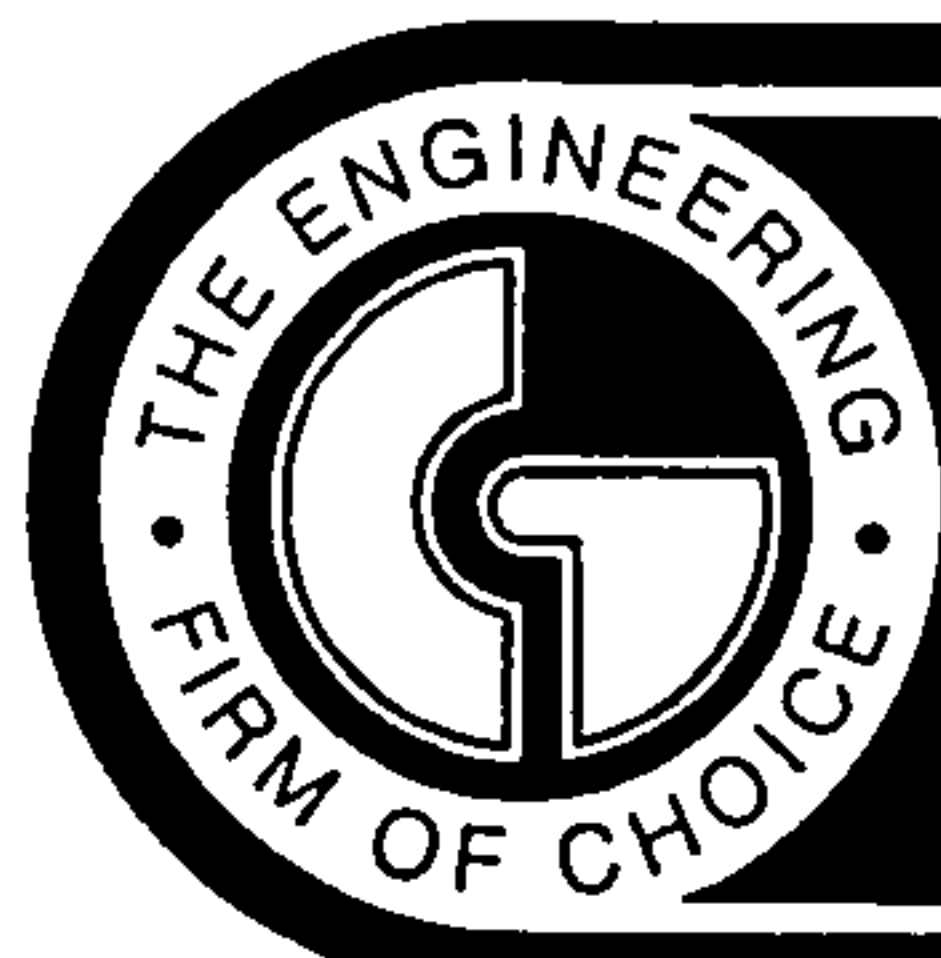
Scott Davis  
PWD Hydrology Division

xc: Alan Martinez  
File

(WP+8180)

PUBLIC WORKS DEPARTMENT





**CHAVEZ • GRIEVES**  
**CONSULTING ENGINEERS, INC.**

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

**GRADING AND DRAINAGE PLAN**

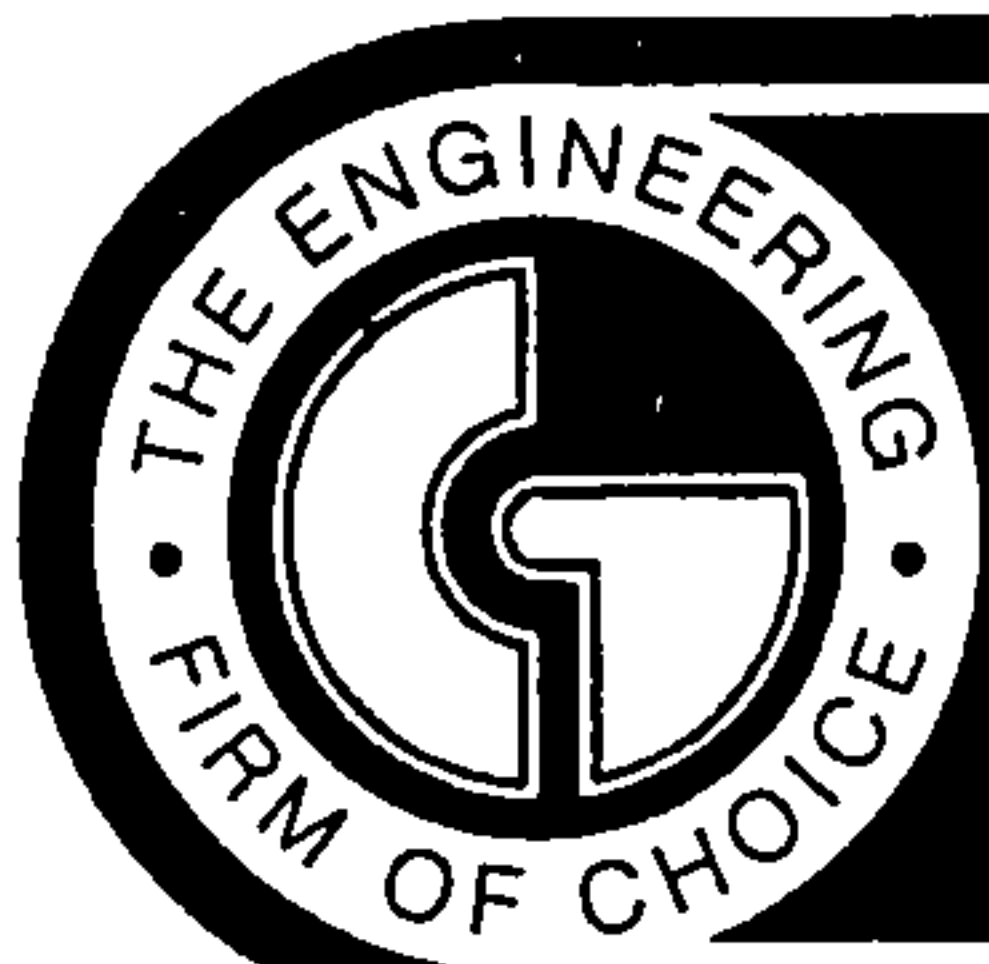
**FOR**

**SAINT JOSEPH'S NORTHEAST HEIGHTS**

**MEDICAL OFFICE BUILDING**

***ALBUQUERQUE, NEW MEXICO***

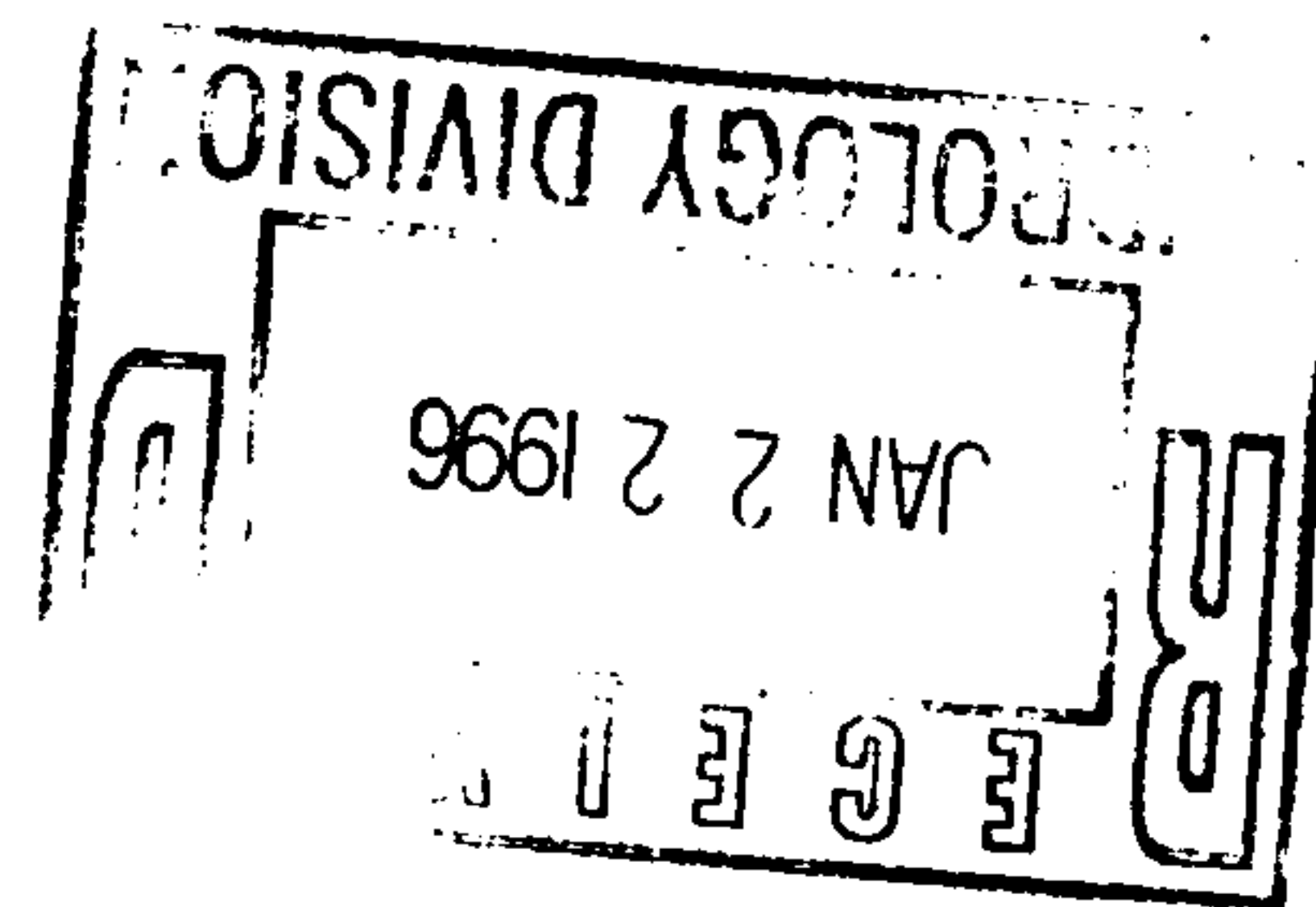
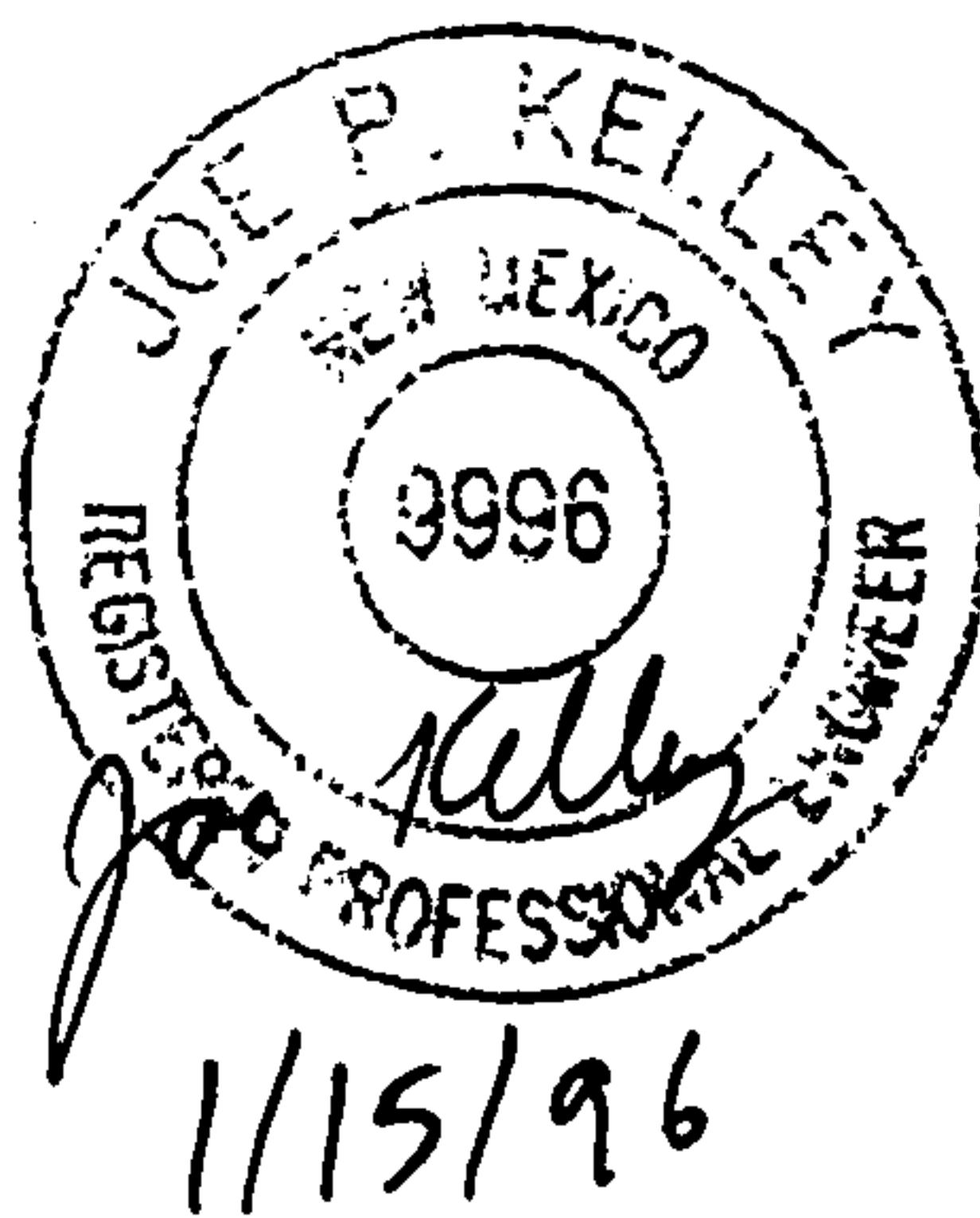
**JANUARY, 1996**



# CHAVEZ • GRIEVES CONSULTING ENGINEERS, INC.

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

## GRADING AND DRAINAGE PLAN FOR SAINT JOSEPH'S NORTHEAST HEIGHTS MEDICAL OFFICE BUILDING



**ALBUQUERQUE, NEW MEXICO**

**JANUARY, 1996**

---

*Celebrating 15 Years of Engineering Leadership*

## **LOCATION**

This site is located at 4701 Montgomery Blvd, NE in a developed part of the City.

## **LEGAL DESCRIPTION**

Tracts L and M of University Heights Hospital.

## **ZONING AND SURROUNDING DEVELOPMENT**

The site is zoned SU-1 for a Hospital, and has been developed as such. Fully-developed streets abut the site on the south and north, a church/school site abuts the site on the west, and a shopping center abuts the site on the east.

## **FLOOD HAZARD ZONES**

As shown by Panel 3500020017 of the National Flood Insurance Rate Maps for the City of Albuquerque, dated October 14, 1983, the site is not in a designated flood hazard zone.

## **RELATED REPORTS**

This site was originally developed in 1981 as the University Heights Hospital (F17/D-10). A Drainage Management Report was prepared at that time for the entire site by Fred Denney and Associates. The first phase of the hospital was then built, but no drainage certification was found in City Hydrology files. An addition was made to the facility in 1993: the St. Joseph's Northeast Heights Women's Center. The grading and drainage plan for that addition was prepared by Bohannon-Huston, who also provided a drainage certification for the whole site dated July 25, 1994 after the Women's Center was built.

## **EXISTING SITE CONDITIONS AND DRAINAGE PATTERN**

The site has been developed in accordance with the original drainage plan. The majority of the roof runoff discharges to the pond via the underground storm drain system. Rainwater that collects on the surface discharges through the site via overland and underground flow to a detention pond on the west side of the property. The only part of the site that is currently undeveloped is the eastern 190', which is hard-packed dirt and rock with no vegetation. This part of the site is occasionally used for parking. A minor amount of off-site runoff discharges on-site from a 5-10' wide strip of land adjacent to the



east property line. Other than that, no off-site runoff discharges onto the property, and none is discharged off of the site, except via the detention pond.

## PROPOSED SITE CONDITIONS AND DRAINAGE PATTERN

A three-story medical office building is proposed for construction as part of this project. This building will be built in an area that is covered primarily by impervious surfaces today. A paved parking lot is proposed for the remaining undeveloped part of the site. The proposed drainage pattern is in accordance with the existing pattern. It is also in accordance with the original 1981 Masterplan, which showed the western part of the site to be developed as impervious surfaces--a building and parking lot. Per the following table, the total impervious area actually constructed will be approximately the same as was originally projected in 1981. As can also be seen in the table, the total site area is actually less than was stated in the 1981 Masterplan. This means that the amount of runoff from the site as actually developed per this current plan will be less than was originally projected in 1981.

Land Treatment	1981 Masterplan	Ultimate Development
Roof	1.77	1.85
Paved	5.26	5.21
Total Type "D"	7.03	7.06
Landscaped	4.37	4.08
Natural	1.13	0.21
Grand Total	12.53 acres	11.35 acres
Runoff Volume	74,229 cu. ft.	66,287 cu. ft.

The new building juts out into the existing drainage pattern in such a way as to create two new low points. Type "C" inlets will be constructed at each of the low points. Basin A will produce 7.32 cfs, which will flow at a 0.52' depth into the new inlet at the low point of the basin. Basin B will produce 6.39 cfs, which will flow at a 0.48' depth into the new inlet at the low point in that basin. The grading plan has been designed such that if the inlets clog or the site experiences storms larger than the design storm, the excess runoff will flow overland in the driveways and will not present a flood hazard for the buildings.

Roof runoff from the new building will be collected by an internal storm drain system, which will be connected to the underground storm drain system. The exact routing of the new roof drains has not yet been determined, as the building is still under design.

A study of the underground storm drain system was done to determine its capacity. It appears that the storm drain has the capacity to discharge the 2 year frequency storm underground. For larger storms of lesser frequency, the paved surfaces of the parking lots and drives will discharge the excess runoff to the detention pond. A hydraulic grade line for the 2-year storm is included in the appendix. A hydraulic grade line of the 100-year storm was also computed for comparison purposes. The surcharging of the storm drain line occurs under existing conditions, and will not worsen under proposed conditions. Storm drain surcharges will not have a detrimental effect on the building or site. During larger storm events, the storm drain system will fill up, and the pressure head that develops in the roof drain pipes will push the roof runoff through the system. Because these lines are water tight, any potential back-up will have no ill effect on the buildings. Surface runoff from the parking lots in excess of the underground storm drain capacity will discharge to the west through the paved parking area south of the hospital, and will enter the detention pond. Emergency overflow routes have been provided for all runoff to insure that excess runoff will flow overland to the detention pond, and the buildings themselves will not be endangered during large storm events.

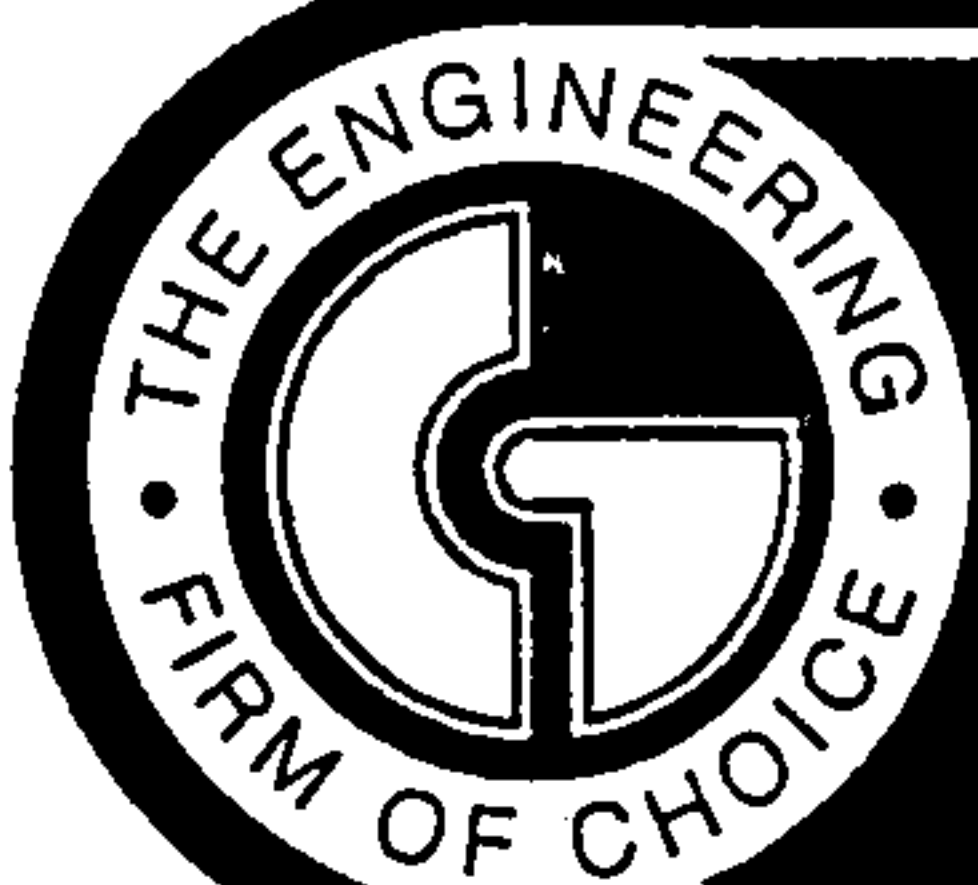
The new connecting pipes for the storm drains have been designed so that they have 100-year capacity under gravity conditions, even though the downstream storm drain does not. In this way, should the owner decide to upgrade the downstream system at a later date, the new portions of the system will already be sufficiently-sized, and will not need to be upgraded.

## **HYDROLOGY/HYDRAULICS**

The runoff calculations and design have been done in accordance with Section 22.2 of the Development Process Manual of the City of Albuquerque, January 1993.

**HYDROLOGIC  
AND  
HYDRAULIC COMPUTATIONS**





# CHAVEZ • GRIEVES CONSULTING ENGINEERS, INC.

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

## RUNOFF CALCULATIONS - SIMPLIFIED PROCEDURE

By: JOE KELLEY  
Project: ST. JOSEPH'S MOB

Date: 1/3/96 REV. 1/15/96  
Zone Atlas: F-17

This procedure is in accordance with the City of Albuquerque Development Process Manual, Volume 2, Section 22.2, "Hydrology", peak discharge rate for small watersheds less than forty acres in size.

Precipitation Zone from Figure A-1: 2  
Land treatment descriptions are in Table A-4.

### 1. RUNOFF RATE COMPUTATION

Use Equation a-10:  $Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$

Values of  $Q_{pi}$  are from Table A-9, and are in CFS/acre. Area values are in acres.

BASIN	$Q_{PA}$	$A_A$	$Q_{PB}$	$A_B$	$Q_{PC}$	$A_C$	$Q_{PD}$	$A_D$	$Q_p$
EXISTING BASIN RATE OF RUNOFF (CFS)									
DEVELOPED BASIN RATE OF RUNOFF (CFS)									
A	1.56	0	2.28	0.45	3.14	0	4.70	1.34	7.32
B	"	0	"	0.35	"	0	"	1.19	6.39

## 2. RUNOFF VOLUME COMPUTATION

**Use Equation a-5 to compute weighted excess precipitation:**

$$\text{Weighted } E = "E" = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / (A_A + A_B + A_C + A_D)$$

$$(A_A + A_B + A_C + A_D) = \sum A_i$$

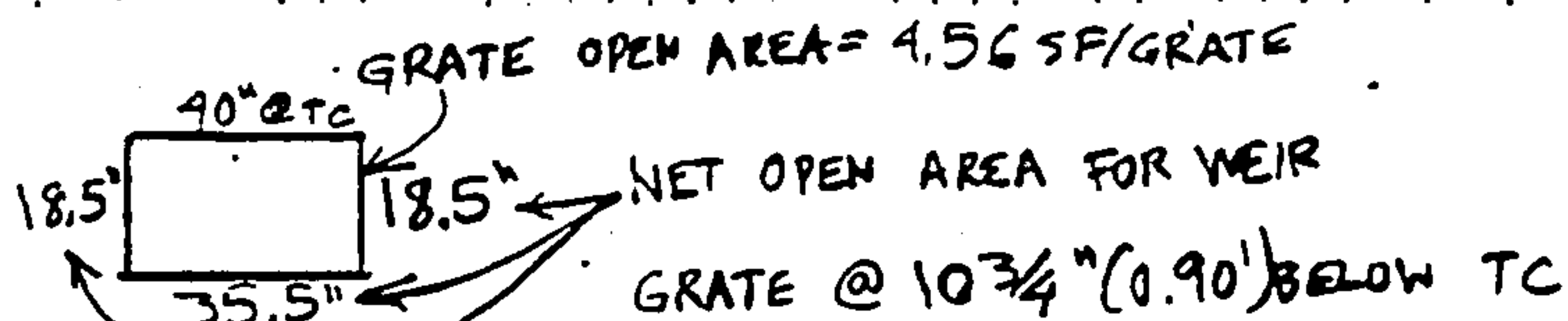
Use Equation a-6 to compute the volume:

$$\dot{V}_{360} = "E" \times (A_A + A_B + A_C + A_D) \times 3630 \text{ feet}^3/\text{acre} \cdot \text{inch}$$

Values of  $E_i$  are from Table A-8, and are in inches. Area values are in acres.

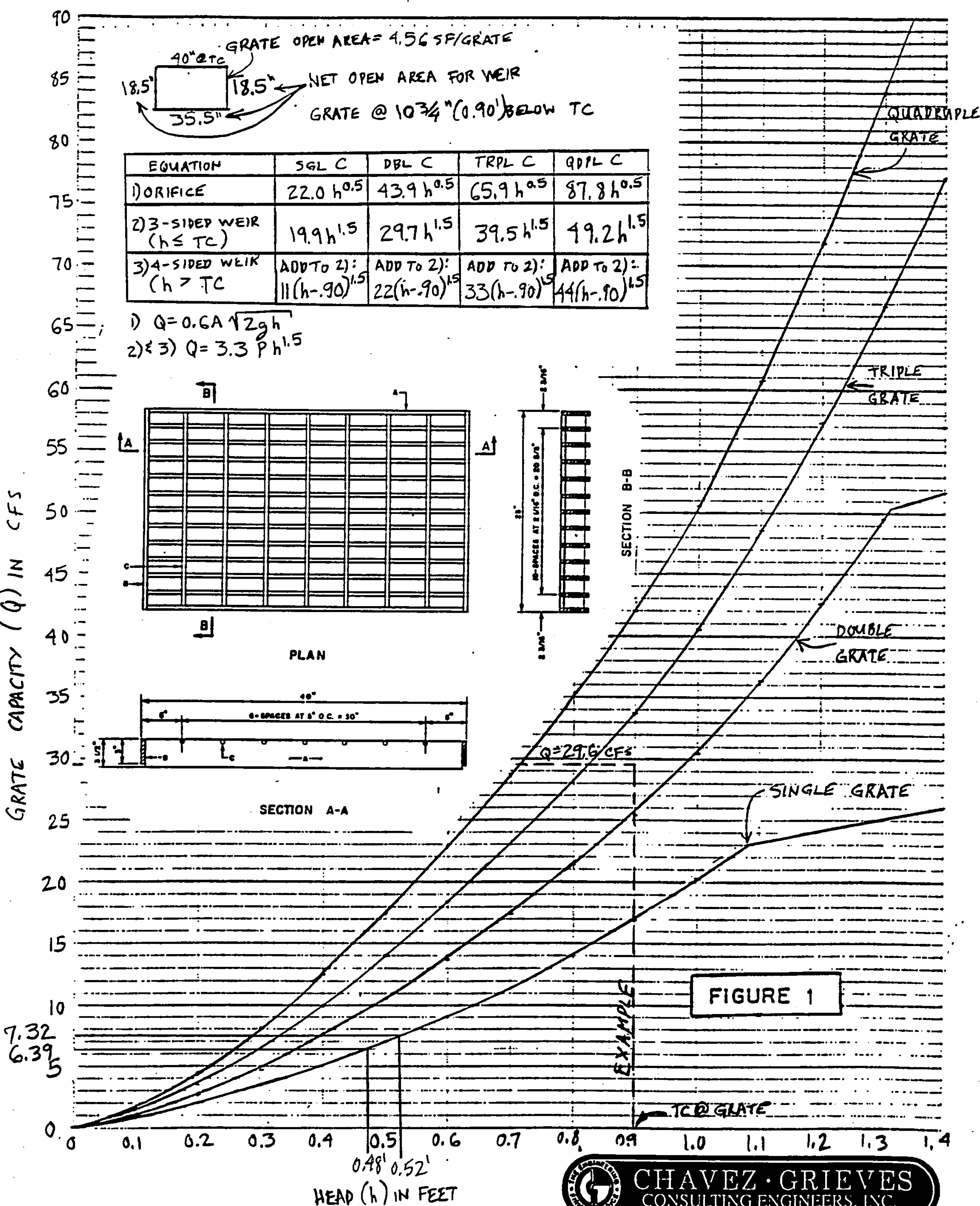
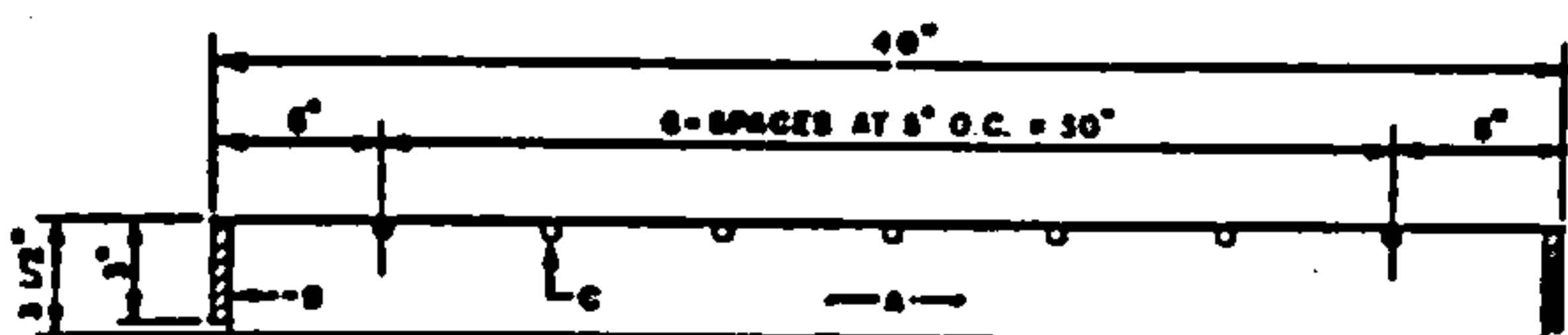
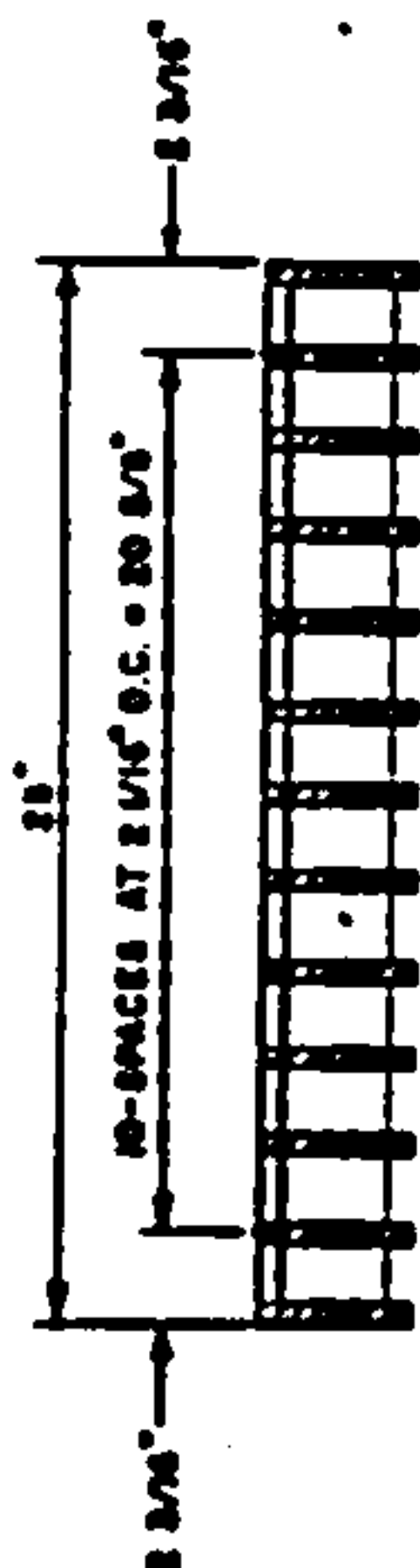
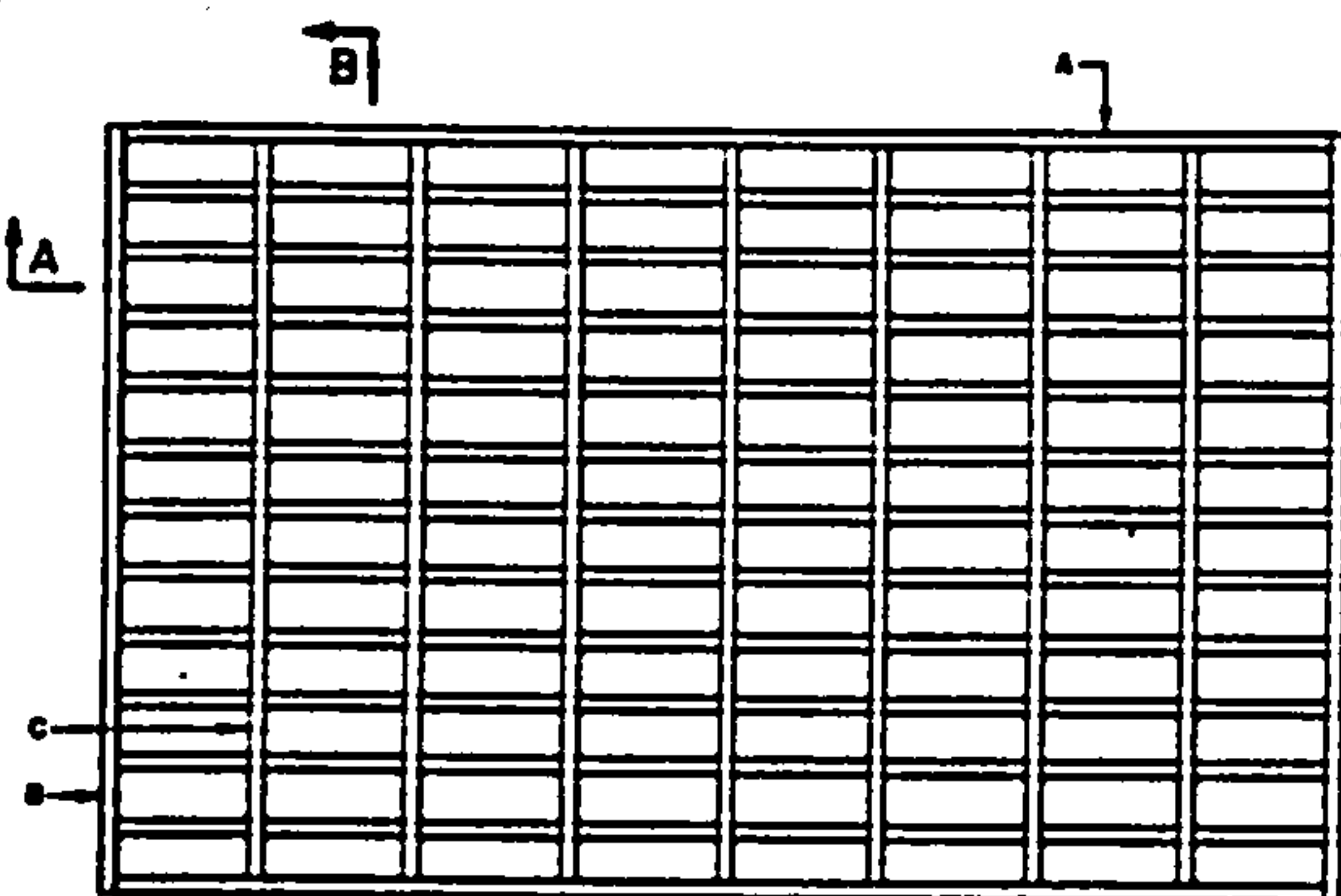
[illegible]

GRATE CAPACITY (Q) IN CFS



EQUATION	SGL C	DBL C	TRPL C	QDPL C
1) ORIFICE	$22.0 h^{0.5}$	$43.9 h^{0.5}$	$65.9 h^{0.5}$	$87.8 h^{0.5}$
2) 3-SIDED WEIR ( $h \leq TC$ )	$19.9 h^{1.5}$	$29.7 h^{1.5}$	$39.5 h^{1.5}$	$49.2 h^{1.5}$
3) 4-SIDED WEIR ( $h > TC$ )	ADD TO 2): $11(h-90)^{1.5}$	ADD TO 2): $22(h-90)^{1.5}$	ADD TO 2): $33(h-90)^{1.5}$	ADD TO 2): $44(h-90)^{1.5}$

1)  $Q = 0.6A \sqrt{2gh}$   
 2) & 3)  $Q = 3.3 Ph^{1.5}$



**CHAVEZ · GRIEVES**  
 CONSULTING ENGINEERS, INC.

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

PROJECT NAME \_\_\_\_\_

PROJECT NO. \_\_\_\_\_ BY JPK DATE 8/20/92

SUBJECT RATING CURVE FOR TYPE C INLETS CH'D \_\_\_\_\_ DATE \_\_\_\_\_

IN SUMP. NO CLOGGING FACTOR



**January 15, 1996**

Manning's N = 0.013

0 0389	1.3013
0 3613	



New Storm Drain  
Worksheet for Circular Channel

Project Description	
Project File	untitled.fm2
Worksheet	Saint Joseph's MOB
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data		
Mannings Coefficient	0.013	
Channel Slope	0.005000	ft/ft
Depth	1.50	ft
Diameter	18.00	in

Results		
Discharge	7.43	cfs
Flow Area	1.77	ft <sup>2</sup>
Wetted Perimeter	4.71	ft
Top Width	0.37e-7	ft
Critical Depth	1.06	ft
Percent Full	100.00	
Critical Slope	0.007032	ft/ft
Velocity	4.20	ft/s
Velocity Head	0.27	ft
Specific Energy	1.77	ft
Froude Number	0.11e-3	
Maximum Discharge	7.99	cfs
Full Flow Capacity	7.43	cfs
Full Flow Slope	0.005000	ft/ft
Flow is subcritical.		



Chavez-Grievess Consulting Engineers, Inc.  
Saint Joseph's NE Heights Medical Office Building  
Hydraulic Grade Line Calculations - 100-Year Storm  
By: Joe Kelley  
January 15, 1996

Station	Structure	Pipe Diameter (inches)	Q Flow (cfs)	Pipe Area (s.f.)	Velocity (fps)	K Factor	Friction Slope Sf	Pipe Length (feet)	Pipe Curve (degrees)	Bend Angle (degrees)	Junction Angle (degrees)	Friction Loss Hf	Curve Loss Hc	Junction Loss Hj	Manhole Loss Hmh	Transition Loss Ht
1+00	outlet															
		18	22.47	1.7671	12.72	105.0430	0.0458	265.00	0.00			12.1260	0.0000			
3+65	MH														0.1077	
		18	19.02	1.7671	10.76	105.0430	0.0328	211.00	0.00			6.9178	0.0000			
5+76	MH/junction									90.00				1.2901	0.0859	
		12	8.06	0.7854	10.26	35.6279	0.0512	160.00	0.00			8.1886	0.0000			
7+36 (north)	junction														0.0426	
		12	1.67	0.7854	2.13	35.6279	0.0022	75.00	0.00			0.1648	0.0000			
8+11 (north)	MH (end)														0.0084	
		18	7.32	1.7671	4.14	105.0430	0.0049	125.00	0.00			0.6070	0.0000			
7+01 (east)	MH									90.00					0.0133	
		18	7.32	1.7671	4.14	105.0430	0.0049	105.00	0.00			0.5099	0.0000			
8+06 (east)	inlet (end)														0.0067	

Manning's N = 0.013

Bend Loss Hb	Total Losses (feet)	Hydraulic Grade Line (dnstream)	Hydraulic Grade Line (upstream)	Pipe Invert	Soffit Elevation	Ground Surface Elevation	Velocity Head Hv	Energy Grade Line (downstream)	Energy Grade Line (upstream)	Junction (3) Diameter (inches)	Junction (3) Area (s.f.)	Junction (3) Vel. Head (feet)	Comments
	0.0000		66.50	65.00	66.50	68.67			69.01				HGL @ soffit (assumed)
	12.1260						2.51						
	0.1077	78.63	78.73	68.15	69.65	74.05		80.42	80.53				Untrue HGL (too high)
	6.9178						1.80						
0.2065	1.5825	85.65	87.23	69.77	70.77	74.70		87.29	88.87	12	0.7854	1.64	Untrue HGL (too high)
	8.1886						1.64						
0.0000	0.0426	95.42	95.47	70.90	71.90	75.60		95.49	95.54				Untrue HGL (too high)
	0.1648						0.07						
0.0000	0.0084	95.63	95.64	71.42	72.42	76.00		95.90	95.90				Untrue HGL (too high)
	0.6070						0.27						
0.0533	0.0666	87.84	87.91	70.10	71.60	77.00		88.11	88.17				Untrue HGL (too high)
	0.5099						0.27						
0.0000	0.0067	88.42	88.42	70.73	72.23	76.40		88.42	88.42				Untrue HGL (too high)
	0.0000						0.00						

The HGL's on this spread sheet are untrue because they are high above the ground surface, which implies that the water would rise to that point during the design storm. The water not in the pipe will actually be flowing on the surface at Manning's depths.

\*\*\*\*\*





# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

\*\*\*\*\*

April 9, 1996

Joe Kelley  
Chavez-Grievess Engineering  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: DRAINAGE PLAN FOR ST. JOSEPH'S MEDICAL BUILDING & ADDITIONAL  
PARKING (F17-D10) REVISION DATED 2/19/96.

Dear Mr. Kelley:

Based on the information provided on your April 8, 1996 resubmittal, the above referenced site is approved for Building and Grading/Paving 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 D.P.M. checklist will be required.

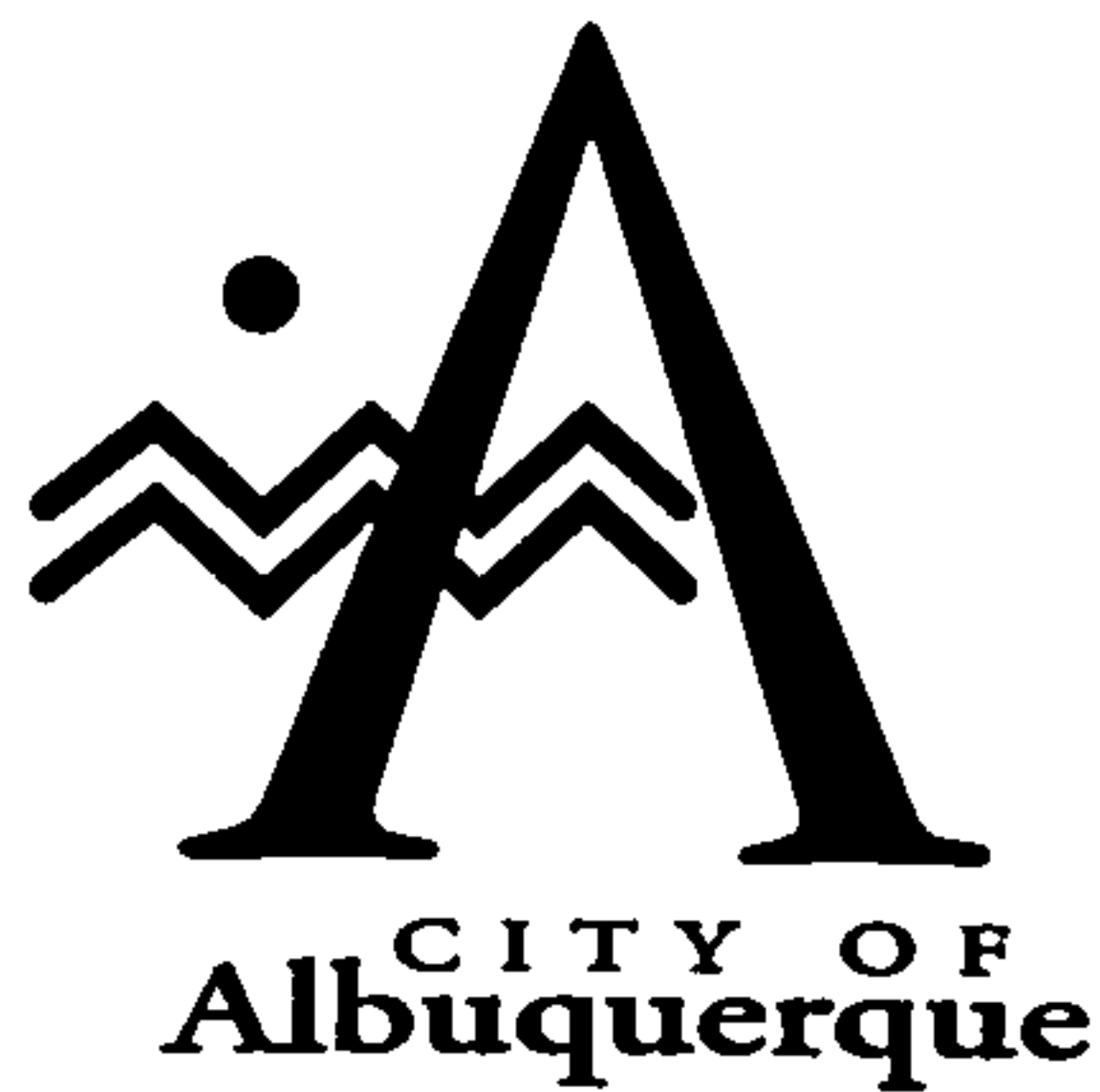
If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE  
Engineering Associate

BJM/dl

c: Andrew Garcia  
File



November 18, 1996

**Martin J. Chávez, Mayor**

Joe Kelley  
Chavez-Grieves  
5639 Jefferson NE  
Albuquerque, NM 87109

**RE: ENGINEER CERTIFICATION FOR AN ADDITION TO ST. JOSEPH'S NE  
HEIGHTS MEDICAL OFFICES (F17-D10) CERTIFICATION STATEMENT  
DATED 11/12/96.**

Dear Mr. Kelley:

Based on the information provided on your November 13, 1996 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

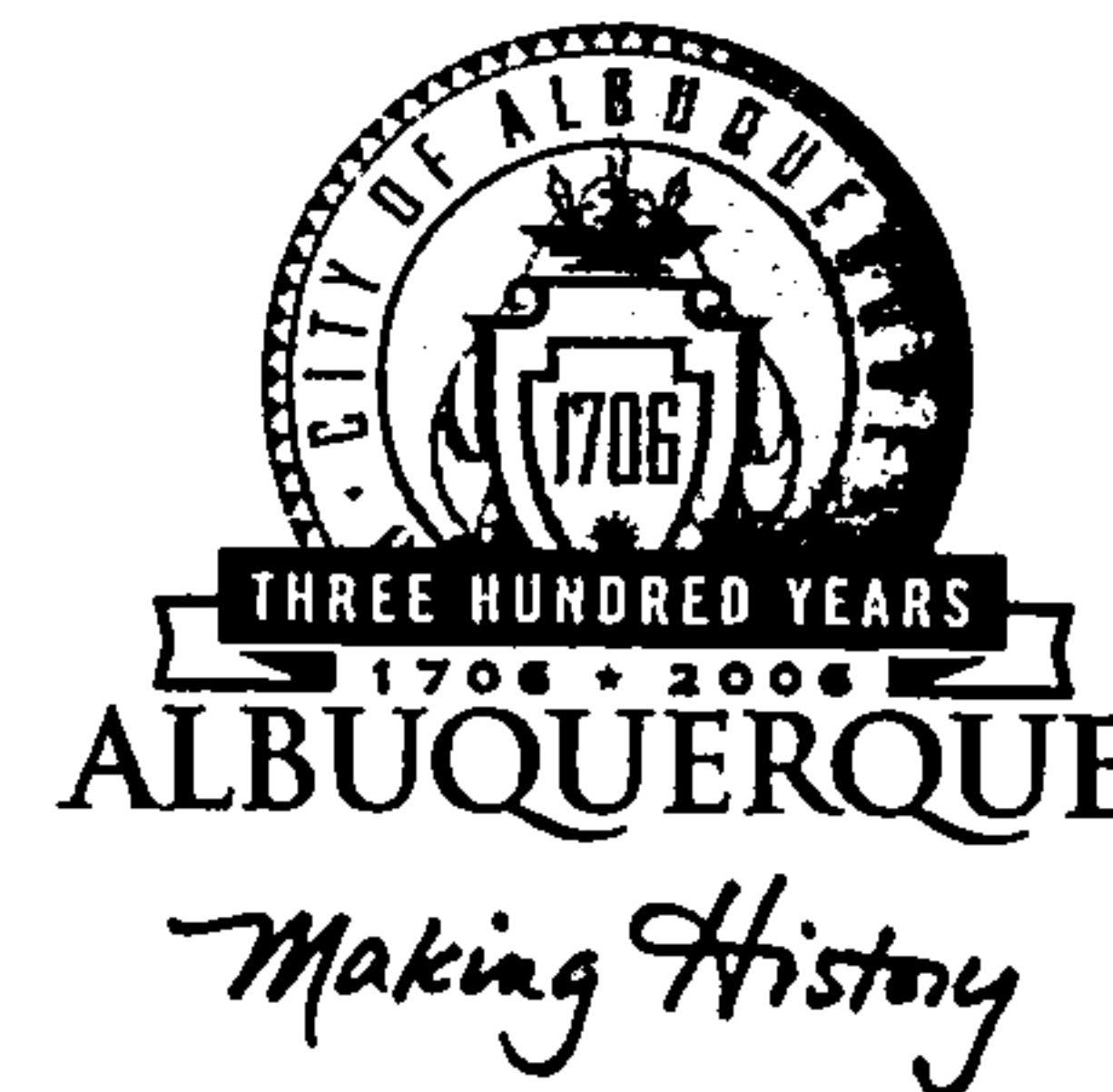
Bernie J. Montoya, CE  
Engineering Associate

BJM/dl

c: Andrew Garcia  
File



# CITY OF ALBUQUERQUE



December 21, 2004

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Medical Office Building / Neonatal  
Intensive Care Unit, 4701 Montgomery Blvd NE, Site Development Plan  
Engineer's Stamp dated 11-29-04 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 11-29-04, the above referenced plan is approved for Site Development Plan for Building Permit action by the DRB. Please address the following comments before submitting for Building Permit:

P.O. Box 1293

Albuquerque

1. Provide existing and proposed drainage calculations for the site.
2. Verify the sufficiency of the pond volume.

If you have any questions, you can contact me at 924-3981.

New Mexico 87103

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: file



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM – MOB NICU

ZONE MAP / DRG. FILE #: F-17/D10

DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: 4701 Montgomery Bld. N.E.

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc.

ADDRESS: 112 Second St. SW

CITY, STATE: Albuquerque, New Mexico

CONTACT: David Kines

PHONE: 243-7492

ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: Albuquerque, New Mexico

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☒ 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 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 APPR.
- ☐ 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

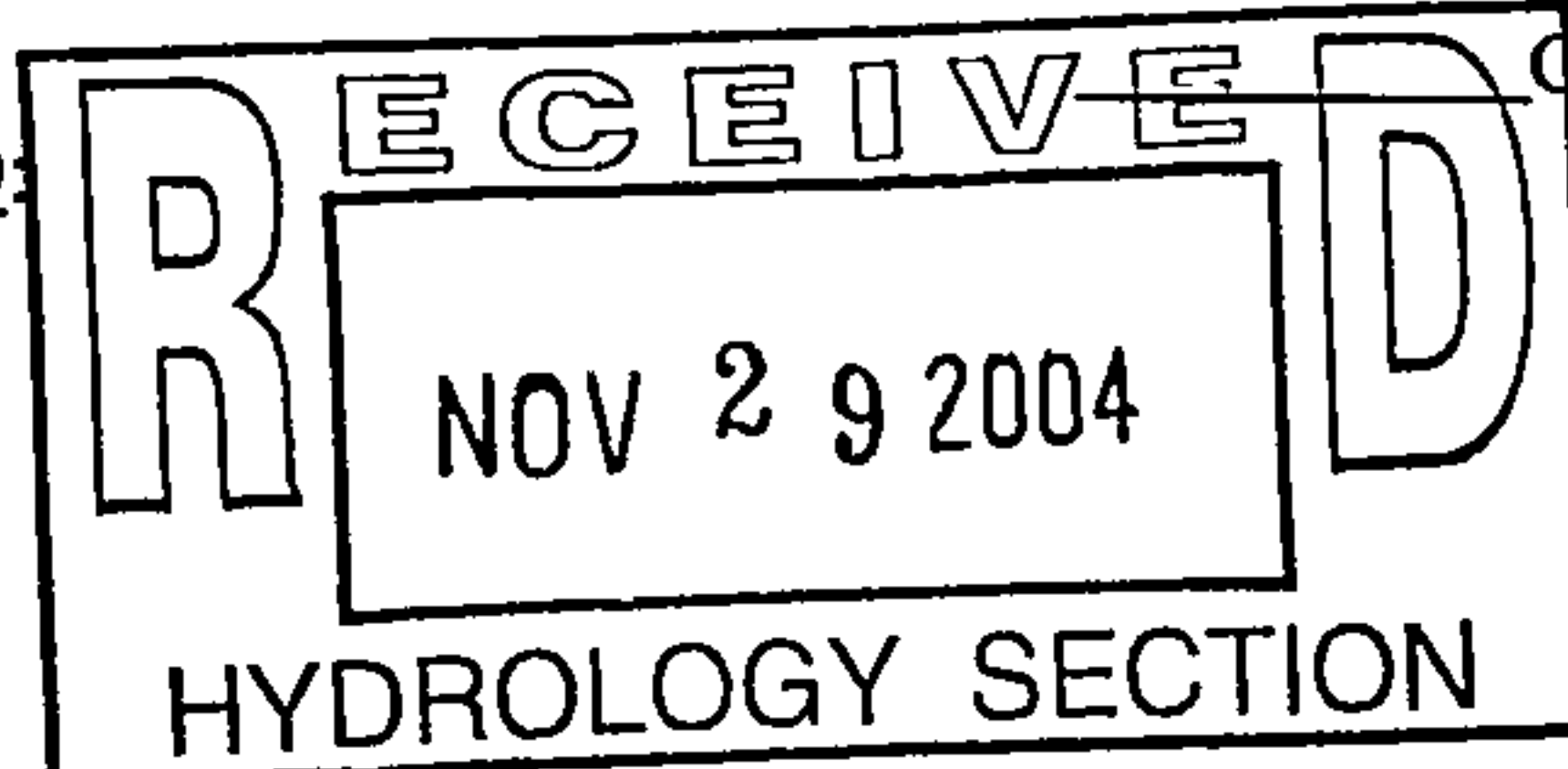
WAS A PRE-DESIGN CONFERENCE ATTENDED: \_\_\_\_\_

☐ YES

☐ NO

☐ COPY PROVIDED

*BP fee paid*



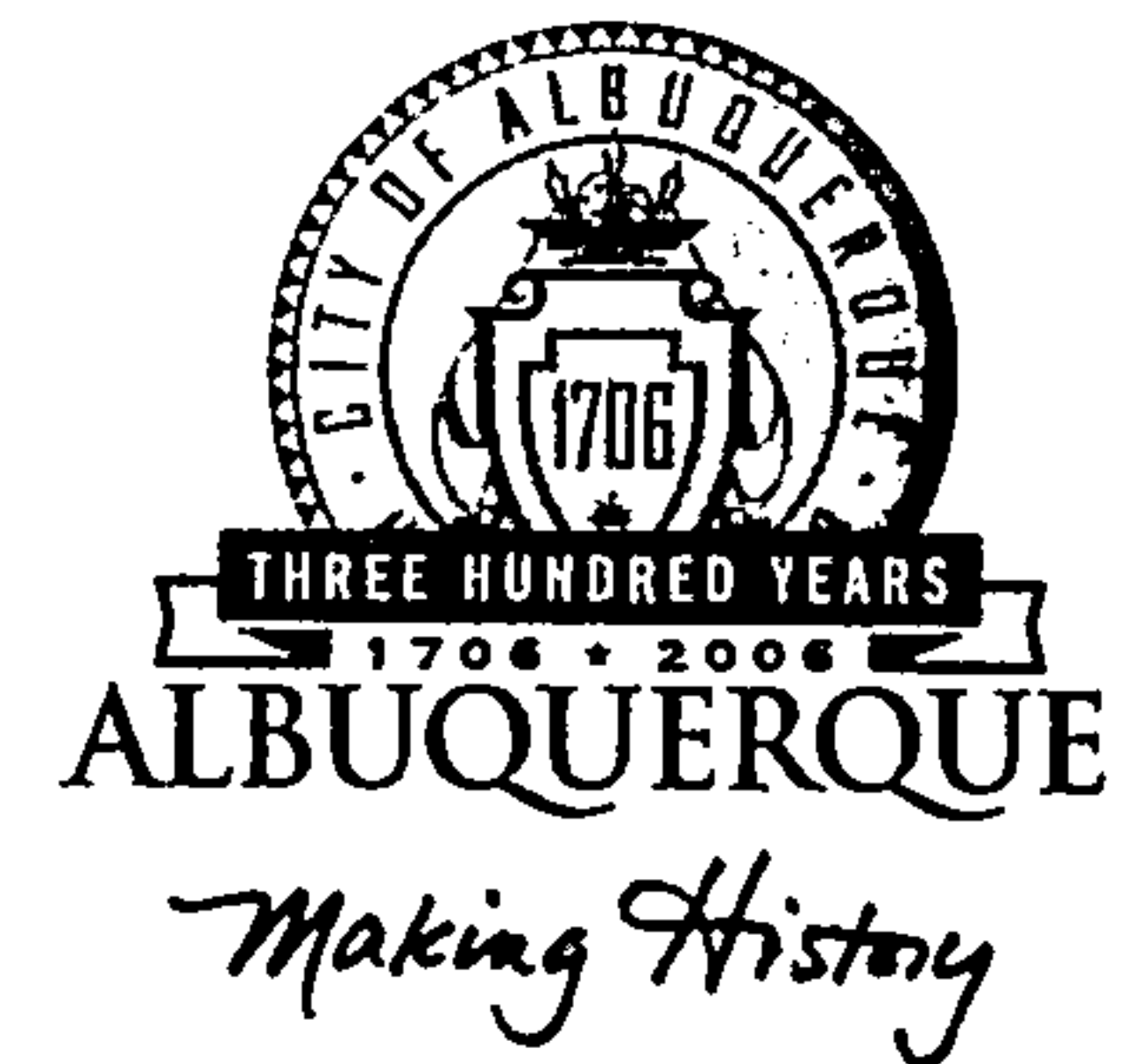
DATE SUBMITTED: Monday, November 29, 2004

BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

# CITY OF ALBUQUERQUE



April 7, 2005

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Parking Lot Revisions, 4701  
Montgomery Blvd NE, Grading and Drainage Plan  
Engineer's Stamp dated 3-31-05 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 3-31-05, the above referenced plan is approved for Grading and Paving Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

Albuquerque

If you have any questions, you can contact me at 924-3981.

New Mexico 87103

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: File



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM - Parking Lot Revisions ZONE MAP / DRG. FILE #: F-17 / D10  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc. CONTACT: Jim MacGillivray  
ADDRESS: 112 Second St. SW PHONE: 243-7492  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87102

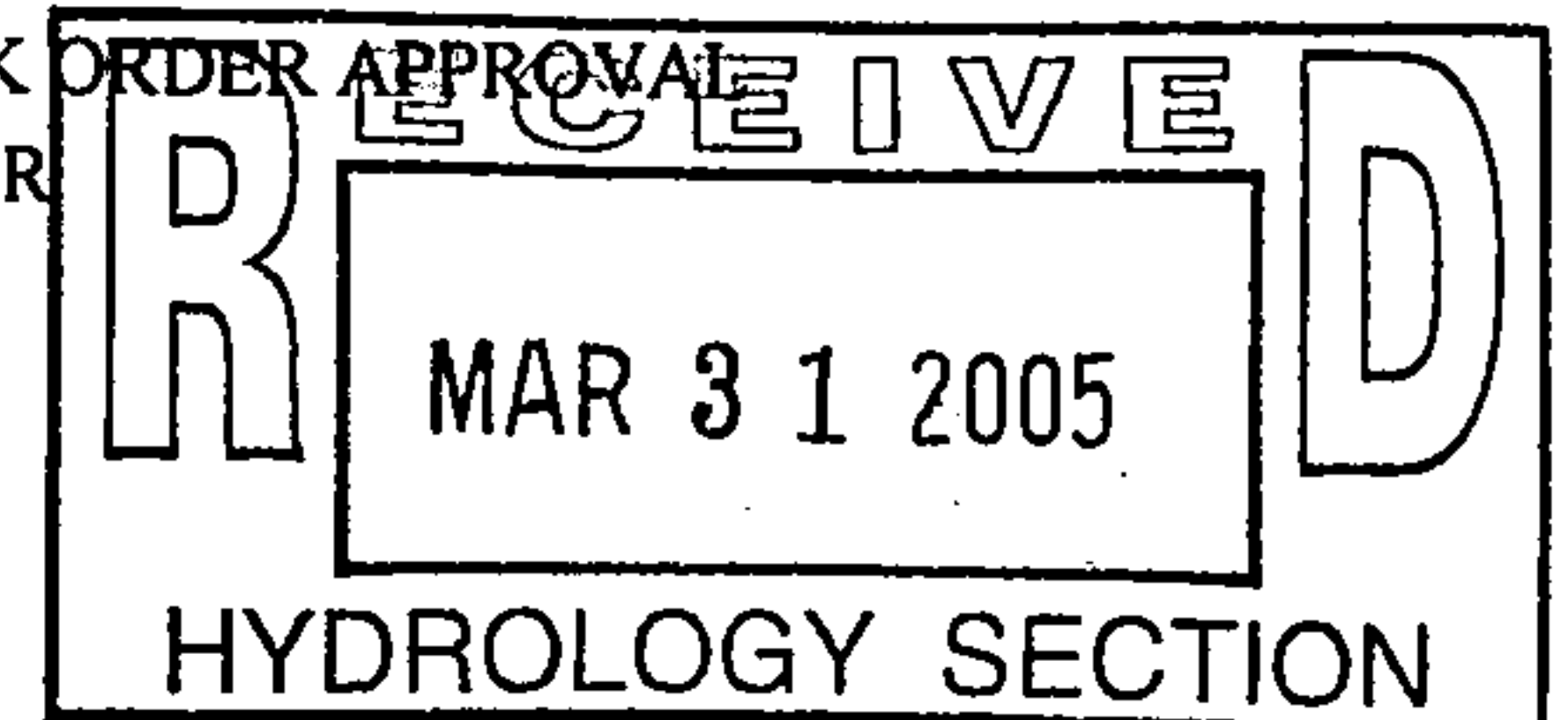
SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CHECK TYPE OF SUBMITTAL: *OK*  
\_\_\_\_ DRAINAGE REPORT  
\_\_\_\_ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☒ DRAINAGE PLAN RESUBMITTAL  
\_\_\_\_ 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 CERTIFICATION (DRB APPR, SITE PLAN)  
\_\_\_\_ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:  
\_\_\_\_ YES  
\_\_\_\_ NO  
\_\_\_\_ COPY PROVIDED

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 APPR.  
\_\_\_\_ 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



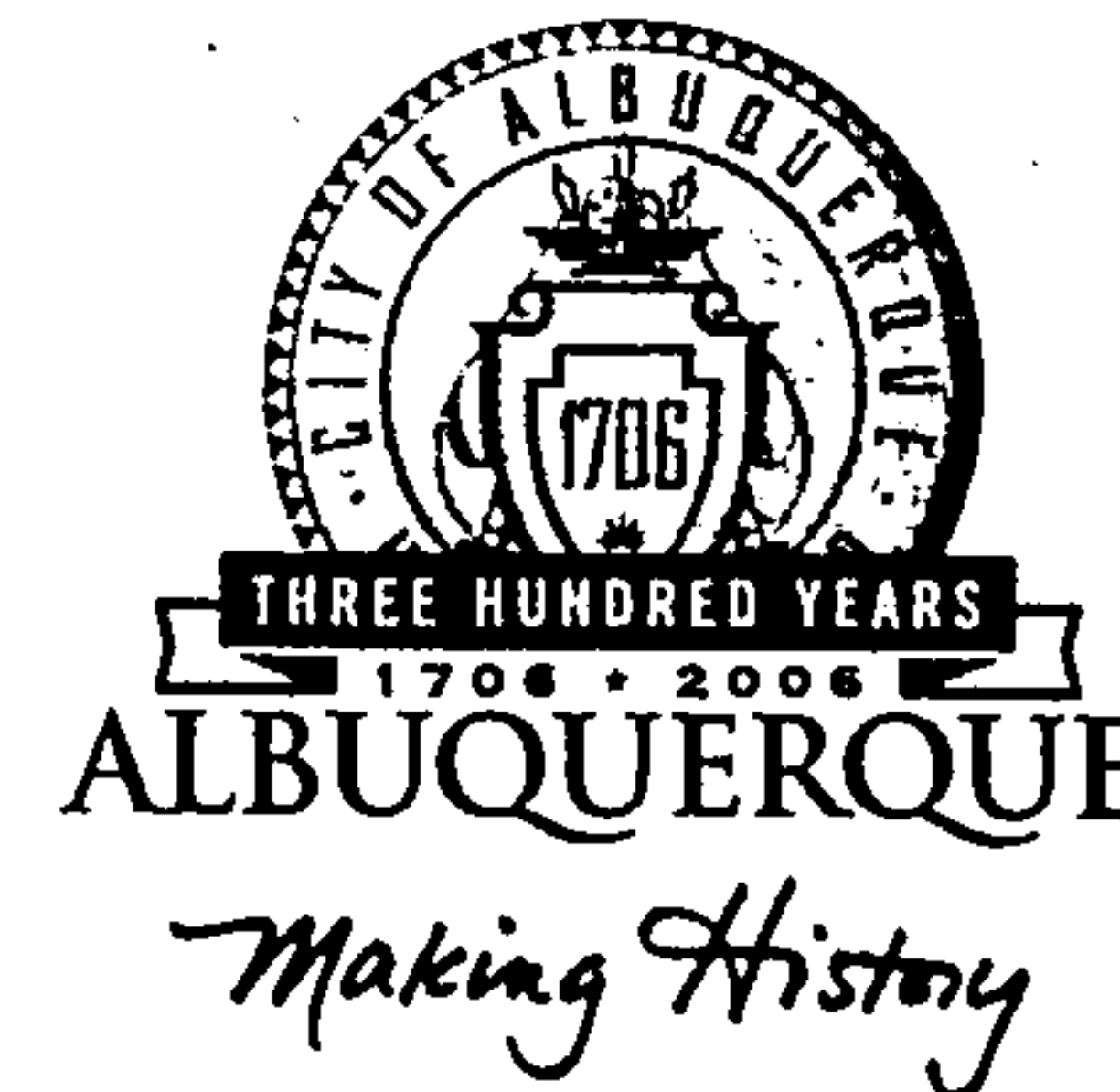
DATE SUBMITTED: Thursday, March 31, 2005 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



# CITY OF ALBUQUERQUE



August 10, 2005

Mr. Scott McGee, P.E.  
**ISAACSON & ARFMAN, PA**  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: WOMEN'S HOSPITAL OF NM – PARKING LOT REVISIONS, 4701  
Montgomery Blvd. NE, Grading and Drainage Plan, Engineer's Stamp  
dated 03/31/2005 (F-17/D10)**

Dear Scott,

Thank you for providing an Engineer Certification for Paving/Grading Permits of  
the above referenced plan. It will be placed in the project file

P.O. Box 1293

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

Albuquerque

Sincerely,

Arlene V. Portillo  
Plan Checker, Planning Dept.-Hydrology  
Development and Building Services

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

C: file

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM - Phase I - Parking Lot  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

ZONE MAP / DRG. FILE #: F-17 / D10  
WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: 4701 Montgomery Blvd NE

ENGINEERING FIRM: Isaacson & Arfman, P.A.  
ADDRESS: 128 Monroe St. NE  
CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick  
PHONE: 268-8828  
ZIP CODE: 87108

OWNER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc.  
ADDRESS: 112 Second St. SW  
CITY, STATE: Albuquerque, New Mexico

CONTACT: David Kines  
PHONE: 243-7492  
ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: Albuquerque, New Mexico

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ 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 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 APPR.
- ☐ 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

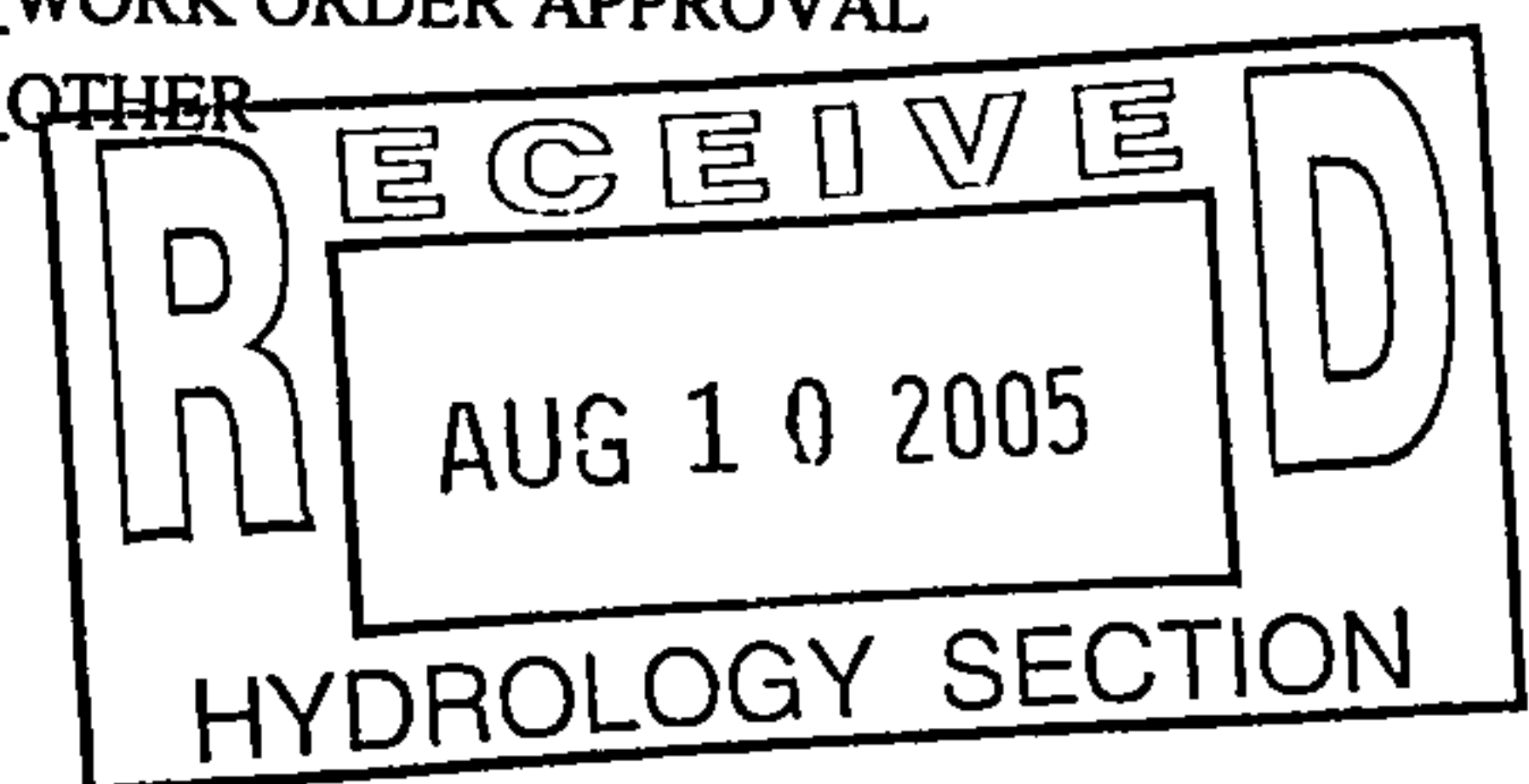
## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

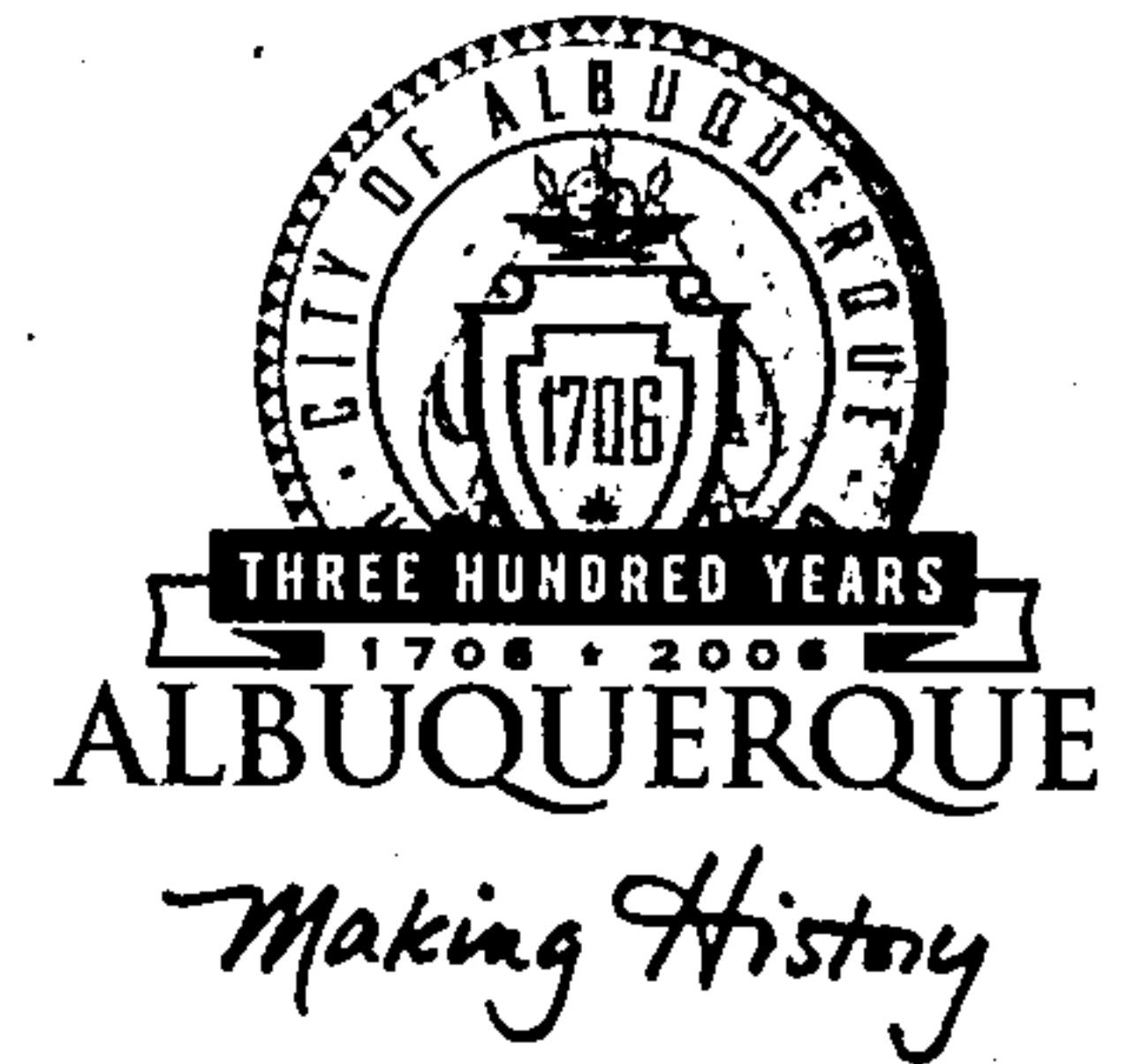
DATE SUBMITTED: Tuesday, August 09, 2005 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



# CITY OF ALBUQUERQUE



August 10, 2005

Mr. Scott McGee, P.E.  
**ISAACSON & ARFMAN, PA**  
128 Monroe St, NE  
Albuquerque, NM 87108

**Re: WOMEN'S HOSPITAL OF NEW MEXICO EMERGENCY ROOM  
ADDITION (Parking Lot Remodel, Phase 1)  
4201 Montgomery Blvd. NE  
Approval of Permanent Certificate of Occupancy (C.O.)  
Engineer's Stamp dated 01/18/2005 (F-17/D10)  
Certification dated 08/09/2005**

P.O. Box 1293

Dear Scott:

Albuquerque

Based upon the information provided in your submittal received 08/10/2005, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

New Mexico 87103

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

Sincerely,

Arlene V. Portillo  
Plan Checker, Planning Dept. - Hydrology  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: Phyllis Villanueva  
File



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM - ER Addition  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ ZONE MAP / DRG. FILE #: F-17 / D10  
WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: 4701 Montgomery Blvd NE.

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc. CONTACT: David Kines  
ADDRESS: 112 Second St. SW PHONE: 243-7492  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

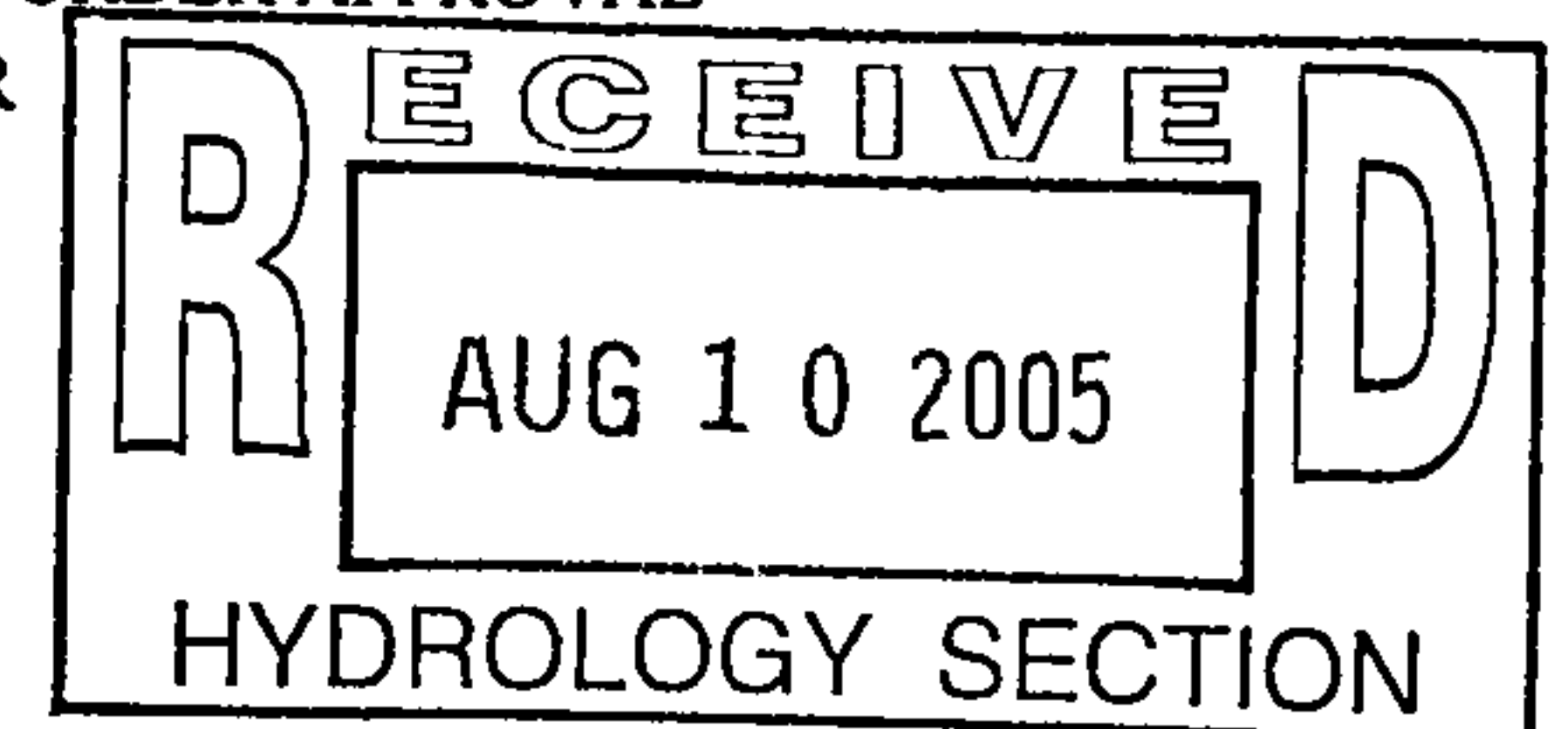
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☒ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

## 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 APPR.  
☐ 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

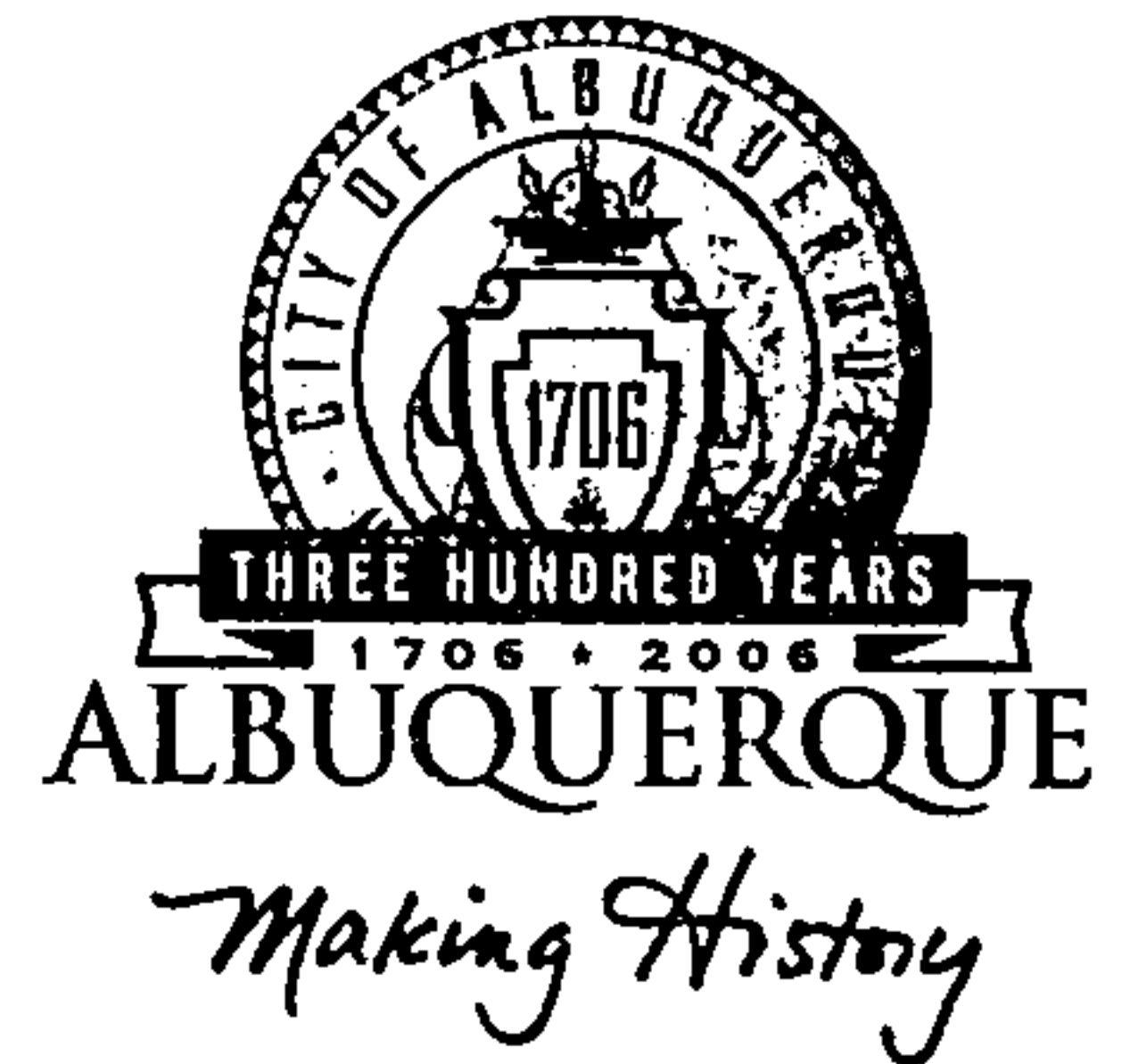


DATE SUBMITTED: Tuesday, August 09, 2005 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

# CITY OF ALBUQUERQUE



1281  
FILE

January 26, 2005

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Emergency Room Addition, 4701  
Montgomery Blvd NE, Grading and Drainage Plan**

**Engineer's Stamp dated 1-15-05 (F17-D10)**

Dear Mr. McGee,

DATE  
ERROR  
1-18-05

P.O. Box 1293

Based upon the information provided in your submittal received 1-18-05, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

New Mexico 87103

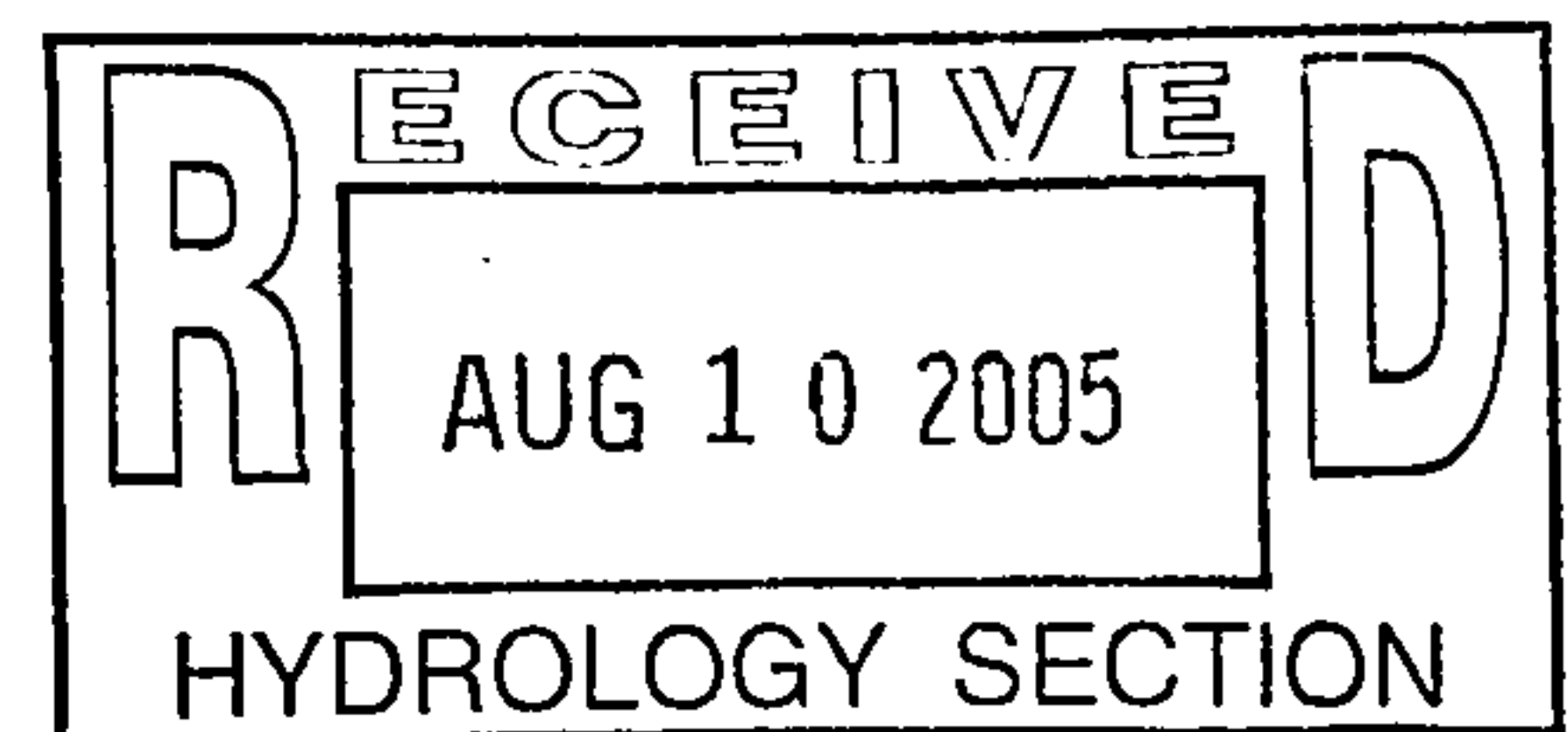
If you have any questions, you can contact me at 924-3981.

www.cabq.gov

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

C: Charles Caruso, DMD Storm Drainage Design  
File





# CITY OF ALBUQUERQUE



ALBUQUERQUE

Making History

Planning Department  
Transportation Development Services Section

August 11, 2005

Jay Gilbert Davis, Registered Architect  
Gregory T. Hicks and Associates, PC  
110 Second St SW, Ste 204  
Albuquerque, NM 87102

Re: Approval of Temporary Certificate of Occupancy (C.O.) for  
Womens Hospital Parking Lot Addition, [F-17 / D10]  
4701 Montgomery Blvd NE  
Architect's Stamp Dated 08/11/05

Dear Mr. Davis:

Based on the information provided on your submittal dated August 11, 2005, the above referenced project is approved for a 30-day Temporary C.O.

A Temporary C.O. has been issued allowing the missing approved Administrated Amendment Site Plan to be incorporated into the final submittal for Final C.O. When the remaining issue has been fully completed, and is in substantial compliance, and a final Certification for Transportation has been resubmitted to the City's Hydrology office for approval, a Permanent C.O. will be issued.

The Certification package for Final C.O. must include an exact copy of the approved TCL, or signed off D.R.B. Site Plan, which is in each of the two City Permit Plan Sets—the contractor's City field set and the City's plan set in the basement of the Plaza Del Sol building. Package also must include a letter of certification on designer's letterhead-stamped with his seal, signed, and dated. Submit package along with fully completed Drainage Information Sheet to front counter personnel for log in and evaluation by Transportation.

If you have any questions, please call me at 924-3630.

Sincerely,

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

cc: Engineer  
Hydrology file  
CO: Clerk

Verbal → Final C.O. not needed

Albuquerque - Making History 1706-2006

*Final*  
*C.O. NOT NEEDED*  
*because it's just a Bldg (or) addition*  
*9/29/05 1:30pm*  
*What are we seeking of?*  
*NOT*

*DID SOMEONE DOWN FOR PHASE 2?*  
*TRANSPORT C.O.?*  
*Was C.O. Request?*

*WHEN LEFT SUBMITTED FOR C.O. ON D.R.B.?*  
*WHY DID WE INCLUDE PARKING?*  
*WAS IT BECAUSE PART OF THE PHASE 1 PARKING WAS DONE UNDER D.R.B. CONTRACT IN HOSE BACKS?*

*P.O. Box 1293*  
*HE NEEDS TO REMOVE FORM REQUEST FOR C.O.*

Albuquerque

New Mexico 87103

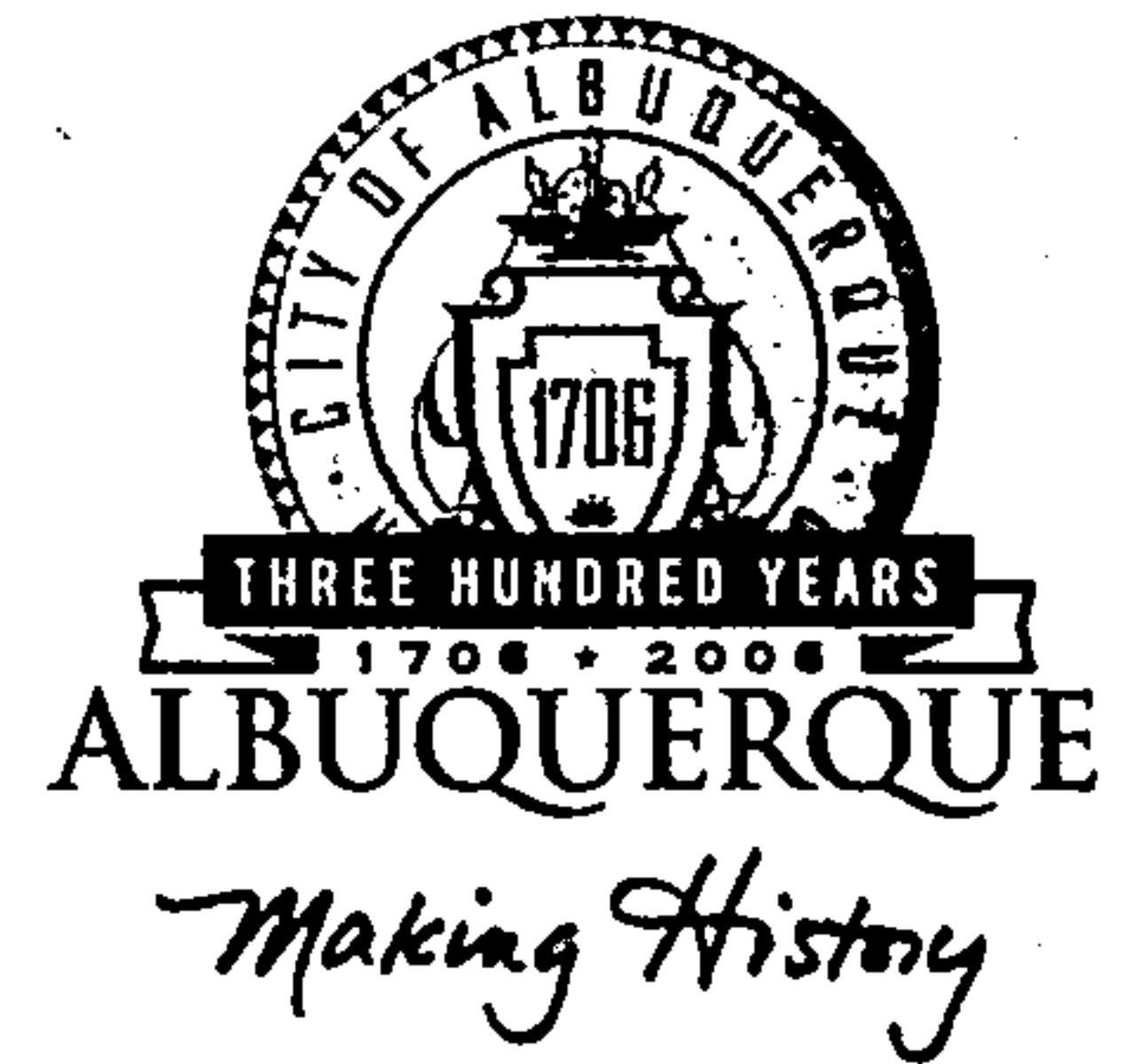
www.cabq.gov

*COULD BE MADE CRETE CONFUSION BY SUBMITTING HYDROLOGY DOCUMENT TO PHASE 1 ME BLOCK.*

*1. WHAT CERTIFICATIONS ARE REQ. FOR PARKING, IF ANY?*  
*2. DID YOU LET THEM?*  
*924-1311 JOINER*  
*Gene*  
*Bartmess.*

F-17/D10  
OR addition  
just a blog

# CITY OF ALBUQUERQUE



**Planning Department  
Transportation Development Services Section**

August 11, 2005

Jay Gilbert Davis, Registered Architect  
Gregory T. Hicks and Associates, PC  
110 Second St SW, Ste 204  
Albuquerque, NM 87102

Re: Approval of Temporary Certificate of Occupancy (C.O.) for  
Womens Hospital Parking Lot ER Addition, [F-17 / D10]  
4701 Montgomery Blvd NE  
Architect's Stamp Dated 08/11/05

Dear Mr. Davis:

Based on the information provided on your submittal dated August 11, 2005, the above referenced project is approved for a 30-day Temporary C.O.

P.O. Box 1293

A Temporary C.O. has been issued allowing the missing approved Administrated Amendment Site Plan to be incorporated into the final submittal for Final C.O. When the remaining issue has been fully completed, and is in substantial compliance, and a final Certification for Transportation has been resubmitted to the City's Hydrology office for approval, a Permanent C.O. will be issued.

Albuquerque

The Certification package for Final C.O. must include an exact copy of the approved TCL, or signed off D.R.B. Site Plan, which is in each of the two City Permit Plan Sets—the contractor's City field set and the City's plan set in the basement of the Plaza Del Sol building. Package also must include a letter of certification on designer's letterhead-stamped with his seal, signed, and dated. Submit package along with fully completed Drainage Information Sheet to front counter personnel for log in and evaluation by Transportation.

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

If you have any questions, please call me at 924-3630.

Sincerely,

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

c: Engineer  
Hydrology file  
CO Clerk



# Parking Lot ER Addition

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 06/22/2005)

PROJECT TITLE: WOMEN'S HOSPITAL OF NEW MEXICO

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_

ZONE MAP/DRG. FILE #

F17

D10

WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: LOT M-1, UNIVERSITY HEIGHTS SUBDIVISION

CITY ADDRESS: 4701 MONTGOMERY BLVD., NE

ENGINEERING FIRM: ISAACSON & ARFMAN, P.A.

ADDRESS: 128 MONROE ST. NE

CITY, STATE: ALBUQUERQUE, NM

CONTACT: BRYAN BOBRICK

PHONE: 268-8828

ZIP CODE: 87108

OWNER: LOVELACE SANDIA HEATH

ADDRESS: 4701 MONTGOMERY BLVD, NE

CITY, STATE: ALBUQUERQUE, NM

CONTACT: HANK HUMME

PHONE: 727-7776

ZIP CODE: 87109

ARCHITECT: GREGORY T. HICKS & ASSOC. P.C.

ADDRESS: 110 2ND ST. SW, SUITE 204

CITY, STATE: ALBUQUERQUE, NM

CONTACT: JAY DAVIS

PHONE: 243-7492

ZIP CODE: 87102

SURVEYOR: SURVEYS SOUTHWEST LTD.

ADDRESS: 333 COMAS BLVD, NE.

CITY, STATE: ALBUQUERQUE, NM

CONTACT: DAN GRANEY

PHONE: 998-0303

ZIP CODE: 87102

CONTRACTOR: THE HAWKING GROUP

ADDRESS: 115 AMHERST DR., SE

CITY, STATE: ALBUQUERQUE, NM.

CONTACT: JEFF HAWKINS

PHONE: 232-6310

ZIP CODE: 87106

### TYPE OF SUBMITTAL:

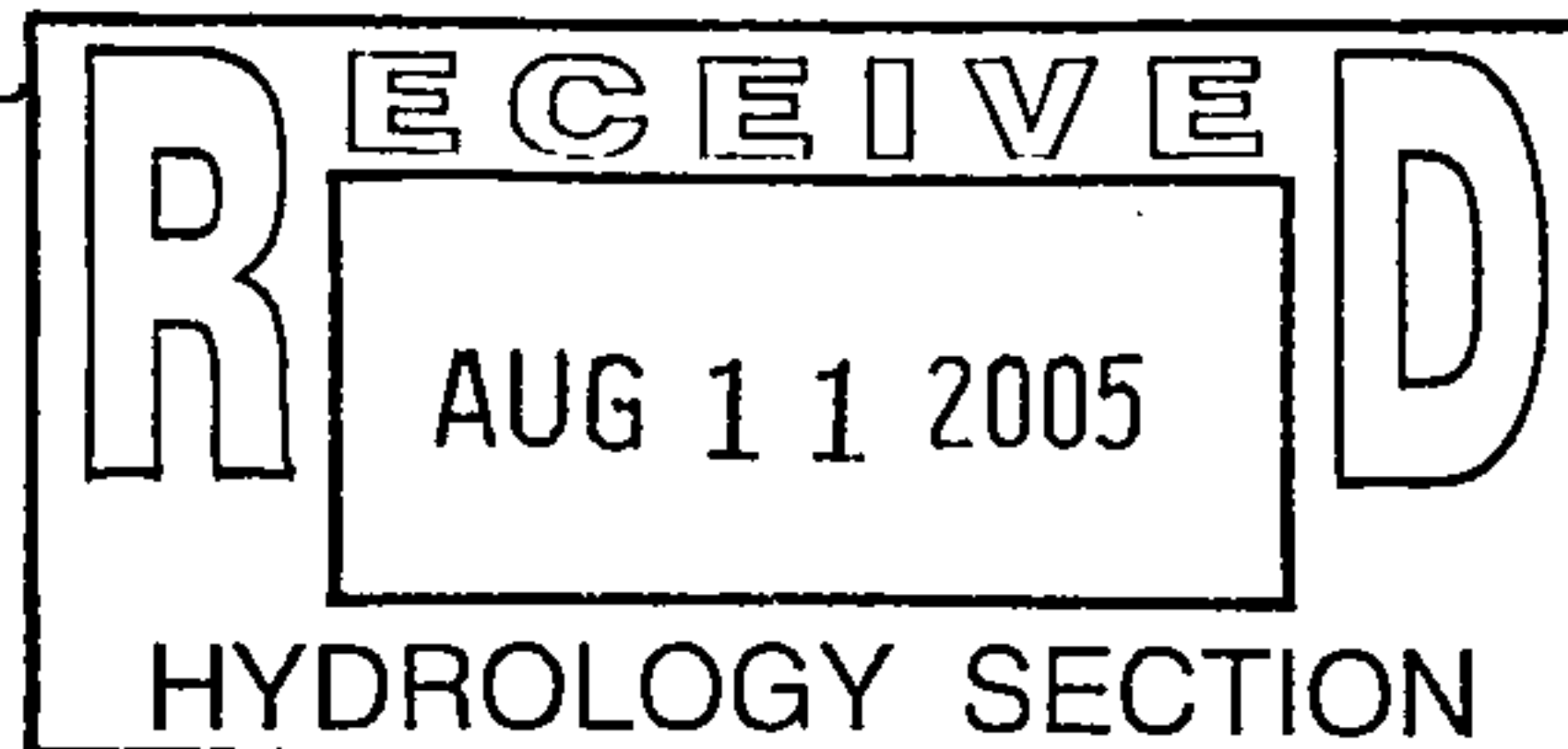
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☒ TRAFFIC CIRCULATION LAYOUT
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)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

DATE: 8/11/05

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.



TRAFFIC CERTIFICATION

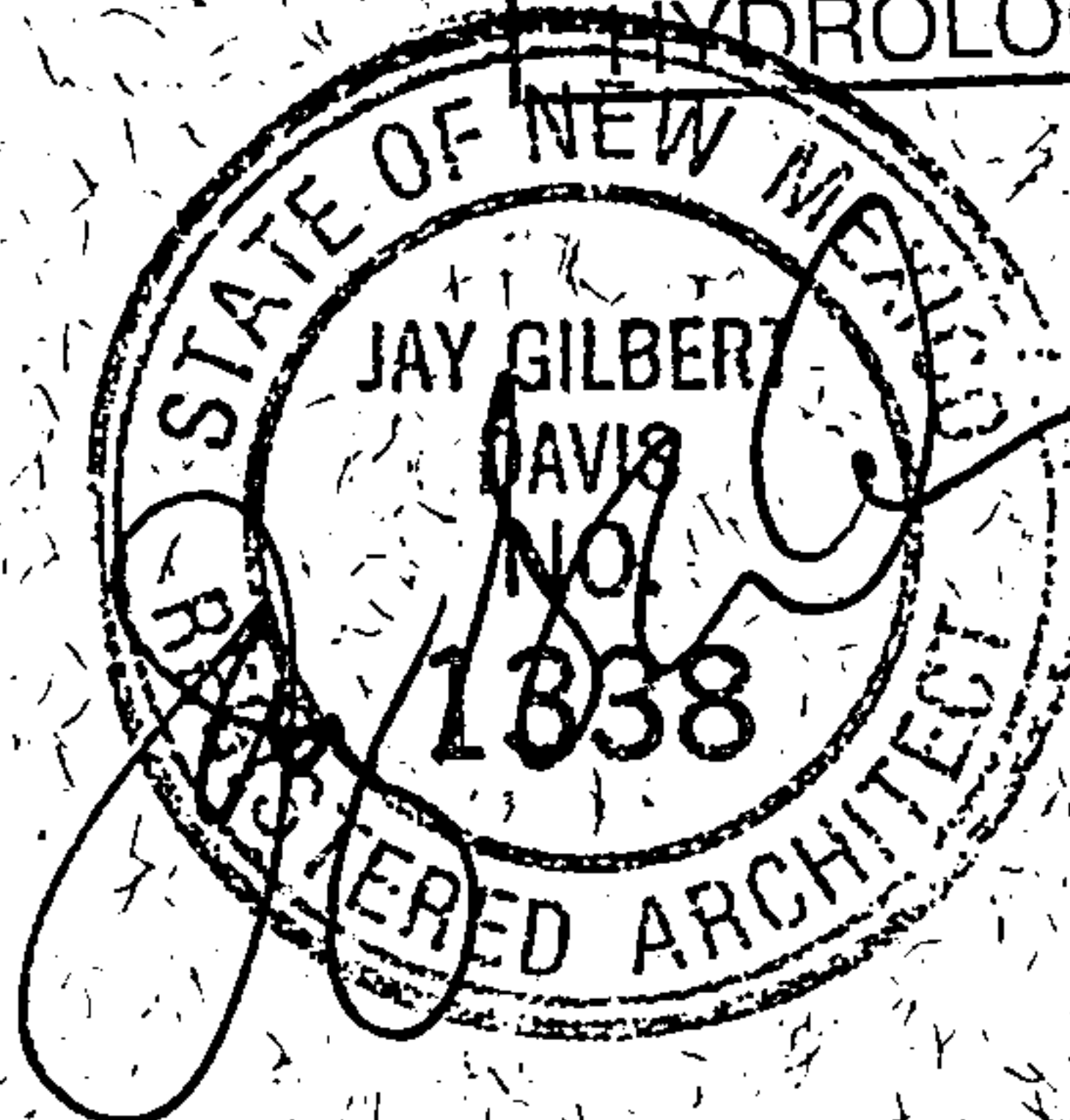
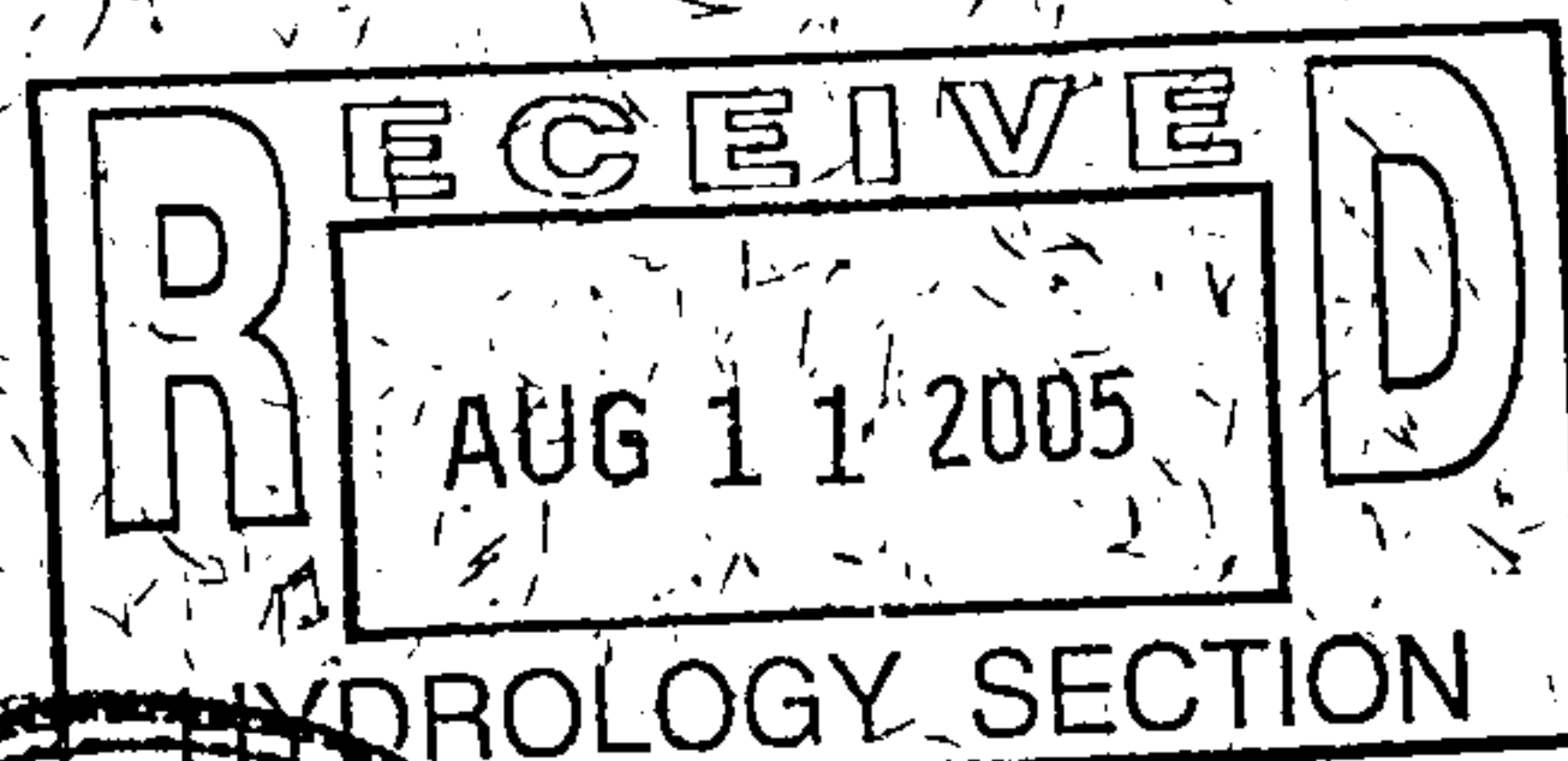
I, JAY G. DAVIS, NMRA #1338, OF THE FIRM GREGORY T. HICKS & ASSOC. P.C. HEREBY CERTIFY THAT THIS PROJECT HAS IS IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/10/04. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY JAY G. DAVIS OF THE FIRM GREGORY T. HICKS & ASSOC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8/11/05 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE TRAFFIC ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

  
Signature of Engineer or Architect

ENGINEER'S OR ARCHITECT'S STAMP

8/11/05  
Date



**GREGORY T. HICKS AND ASSOCIATES, P.C.**

• ARCHITECTS • PLANNERS •

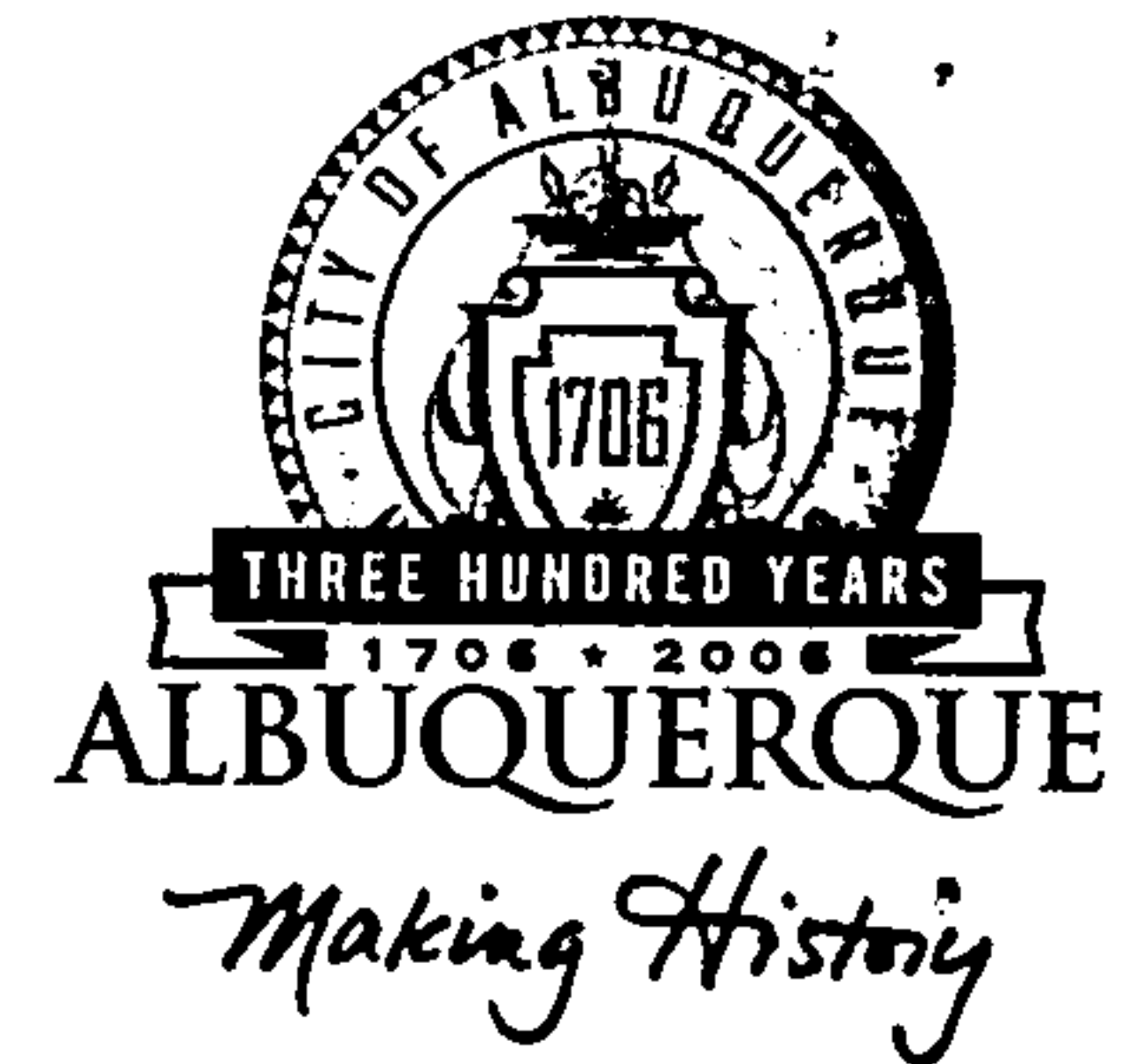
The Sunshine Building  
110 Second St. SW - Suite 204  
Albuquerque, New Mexico 87102

(505) 243-7492  
fax (505) 243-1106  
gthicks@gthicks.com





# CITY OF ALBUQUERQUE



April 7, 2005

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Medical Office Building and Neo-Natal  
I.C.U., 4701 Montgomery Blvd NE, Grading and Drainage Plan  
Engineer's Stamp dated 3-03-05 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 2-22-05, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

New Mexico 87103

If you have any questions, you can contact me at 924-3981.

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Department  
Development and Building Services

C: Charles Caruso, DMD Storm Drainage Design  
File



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM – MOB NICU

ZONE MAP / DRG. FILE #: F-17 / D10

DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: 4701 Montgomery Rd. N.E.

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc.

ADDRESS: 112 Second St. SW

CITY, STATE: Albuquerque, New Mexico

CONTACT: David Kines

PHONE: 243-7492

ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: Albuquerque, New Mexico

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

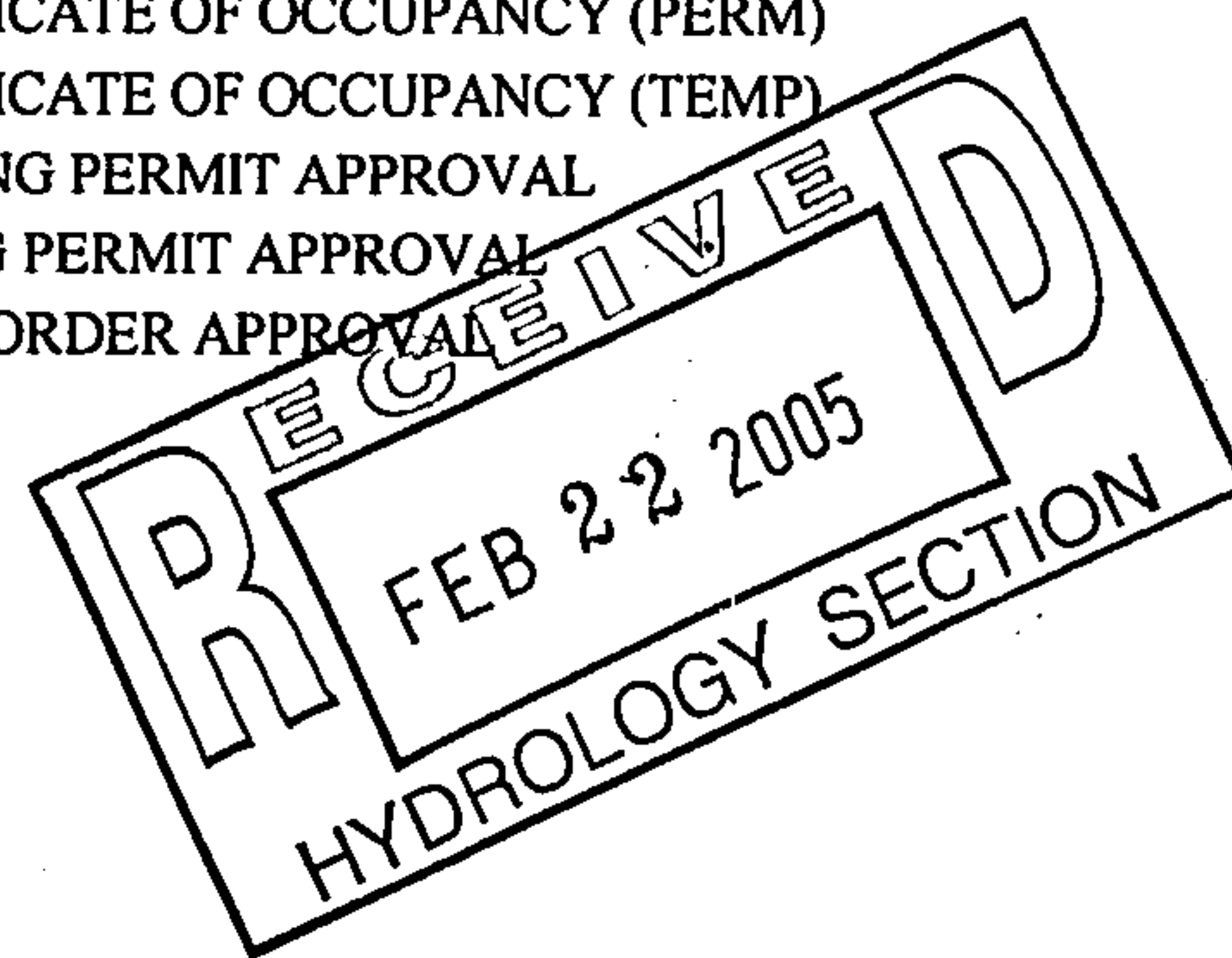
- ☒ DRAINAGE REPORT  
☒ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

## 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 APPR.  
☐ 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



DATE SUBMITTED: Tuesday, February 22, 2005

BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
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3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.


OK ✓

MARCH 3, 2005

SUPPLEMENTAL INFORMATION  
FOR  
WOMEN'S HOSPITAL OF NEW MEXICO  
MEDICAL OFFICE BLDG. and  
NEO-NATAL I.C.U.

BY

SCOTT M. MCGEE  
NEW MEXICO  
10519  
REGISTERED PROFESSIONAL ENGINEER  
3/3/05

 ISAACSON & ARFMAN, P.A.  
Consulting Engineering Associates  
128 Monroe Street N.E.  
Albuquerque, New Mexico 87108  
Ph. 505-268-8828 Fax. 505-268-2632

RECEIVED  
MAR 03 2005  
HYDROLOGY SECTION

# Drainage Summary:

Per the approved project Women's Hospital of New Mexico, Parking Lot Remodel Phase I – Engineer Stamp dated 01-18005 which is currently under construction, the existing on-site detention pond located along the west property line is to be re-established to a depth per the original design (dated November 1981). In addition, the pond size will be increased to handle the increase in volume due to future phases of development.

The increase in pond size is 11,000 cf. The 100-year, 6-hour increase for the Phase I Parking Lot Remodel was 2,200 cf. Subtracting this from the total increase leaves 8,800 cf of unused volume in the enlarged pond.

Per the attached calculations, the site improvements proposed with this submittal are divided into two basins.

Basin 1 covers the Office Building and parking expansion on the south side of the site:

100-year, 6-hour Storm Event	
<del>Existing</del>	Proposed
$Q_{\text{exist}}$ 9.9 cfs	14988 cf
$Q_{\text{prop}}$ 11.4 cfs	18047 cf
$\Delta$ 1.5 cfs	3059 cf

Flow

Volume Req.

Basin 2 covers the parking expansion on the north side of the site:

100-year, 6-hour Storm Event	
<del>Existing</del>	Proposed
$Q_{\text{exist}}$ 4.8 cfs	7322 cf
$Q_{\text{prop}}$ 5.4 cfs	8728 cf
$\Delta$ 0.6 cfs	1406 cf

The total additional discharge to the pond from this proposed development = 4465 cf. < 8,800 cf available. OK

$$\text{Total } Q_{\text{prop}} = 26,775 \text{ ft}^3$$



<b>BASIN NO.</b>	1	<b>EXISTING</b>	
Area of basin flows =	118255	SF	= 2.7 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.52 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 14988 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 9.9 cfs

**TREATMENT**

A = 0%

B = 37%

C = 10%

D = 53%

<b>BASIN NO.</b>	1	<b>PROPOSED</b>	
Area of basin flows =	118255	SF	= 2.7 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.83 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 18047 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 11.4 cfs

**TREATMENT**

A = 0%

B = 20%

C = 2%

D = 78%

<b>BASIN NO.</b>	2	<b>EXISTING</b>	
Area of basin flows =	54128	SF	= 1.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.62 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 7322 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 4.8 cfs

**TREATMENT**

A = 0%

B = 30%

C = 10%

D = 60%

<b>BASIN NO.</b>	2	<b>PROPOSED</b>	
Area of basin flows =	54128	SF	= 1.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.93 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 8728 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 5.4 cfs

**TREATMENT**

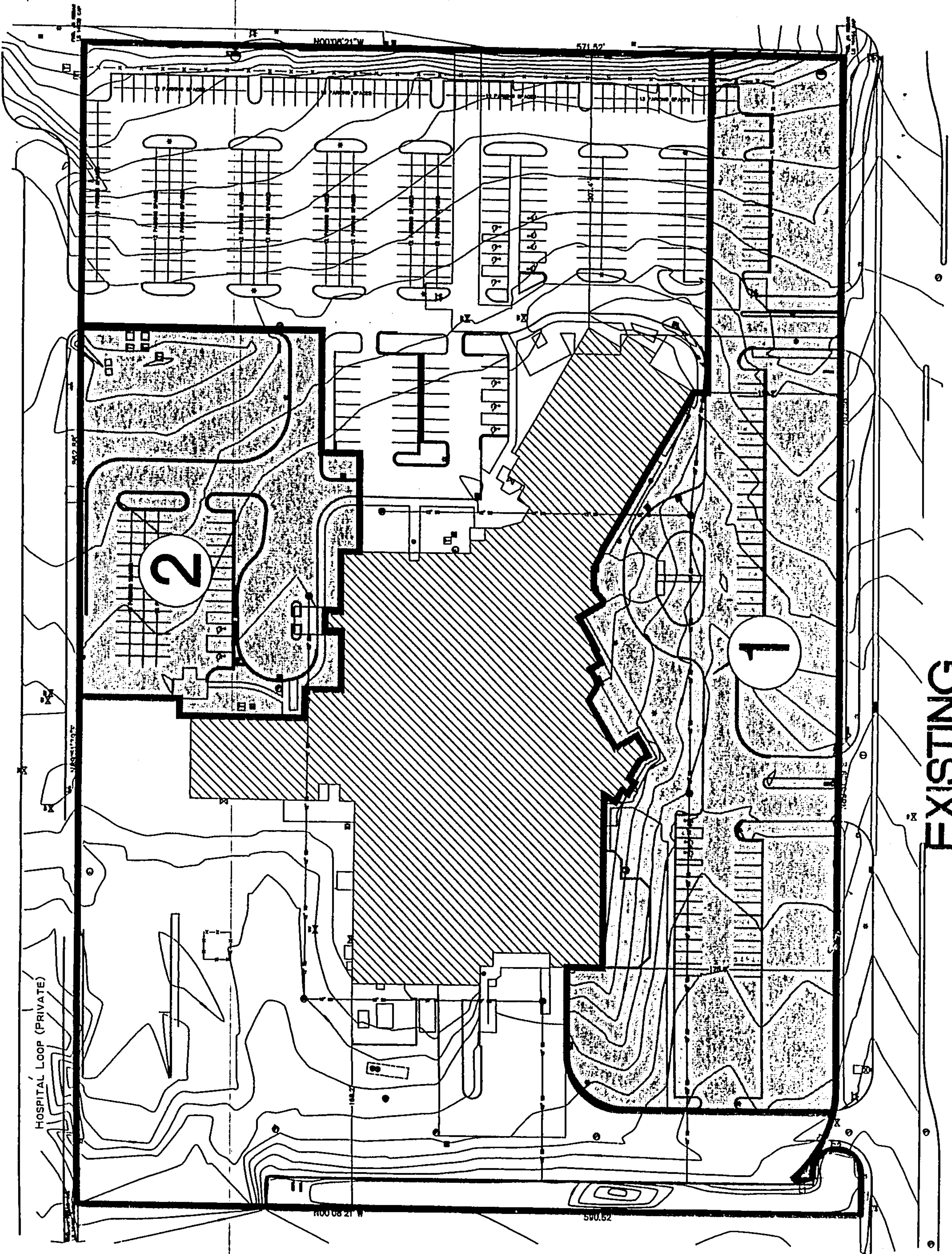
A = 0%

B = 11%

C = 4%

D = 85%



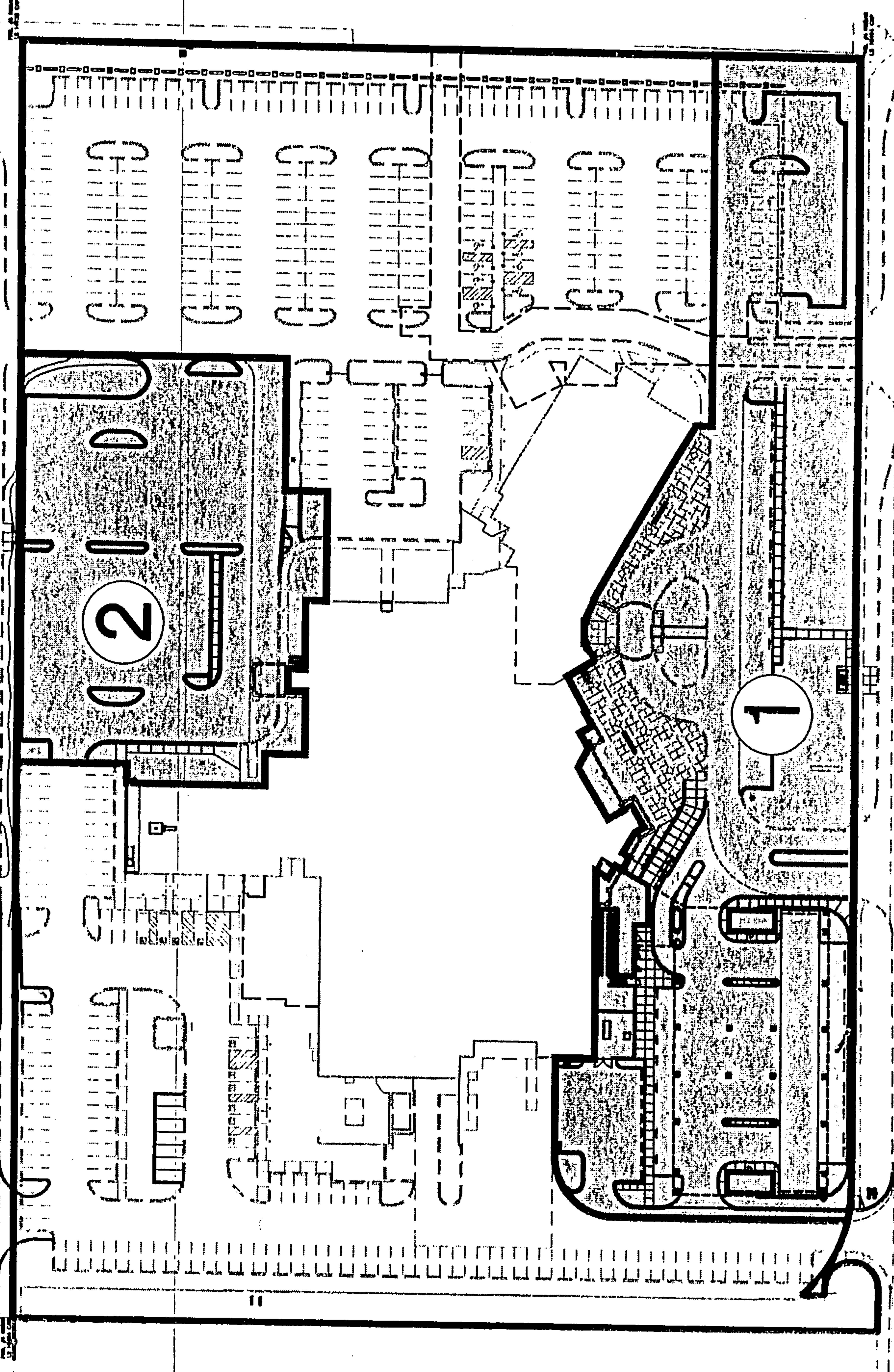


EXISTING



HOSPITAL LOOP (PRIVATE)

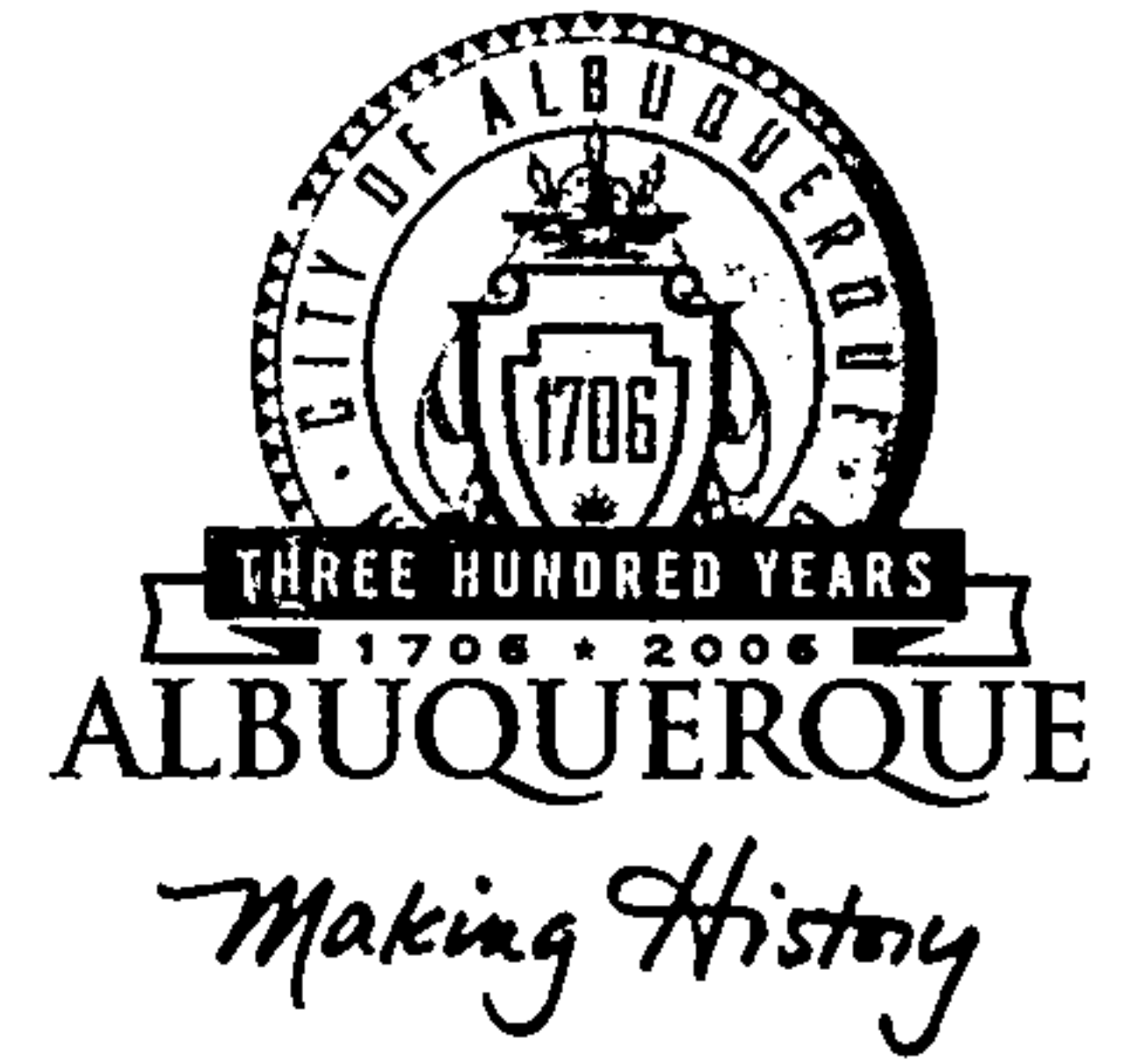
Hospital Loop



ON-SITE BASIN MAP - PROPOSED



# CITY OF ALBUQUERQUE



January 25, 2006

Scott M. McGee, PE  
Isaacson & Arfman, PA  
128 Monroe St. NE.  
Albuquerque, NM 87108

**Re: Womens Hospital of New Mexico West Wing, 4701 Montgomery Blvd NE**  
**Grading and Drainage Plan**  
**Engineer's Stamp dated 1-16-06 (F17/D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 1-19-06, the above referenced plan is approved for Site Development Plan for Building Permit action by DRB. 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 of the grading plan per the DPM checklist will be required.

P.O. Box 1293

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

Albuquerque

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

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Rudy E. Rael, Associate Engineer  
Planning Department.  
Building and Development Services

C: Charles Caruso  
CC: file



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM - West Wing Hospital Addition

ZONE MAP / DRG. FILE #: F-17 / D10

DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc.

ADDRESS: 112 Second St. SW

CITY, STATE: Albuquerque, New Mexico

CONTACT: David Kines

PHONE: 243-7492

ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: Albuquerque, New Mexico

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

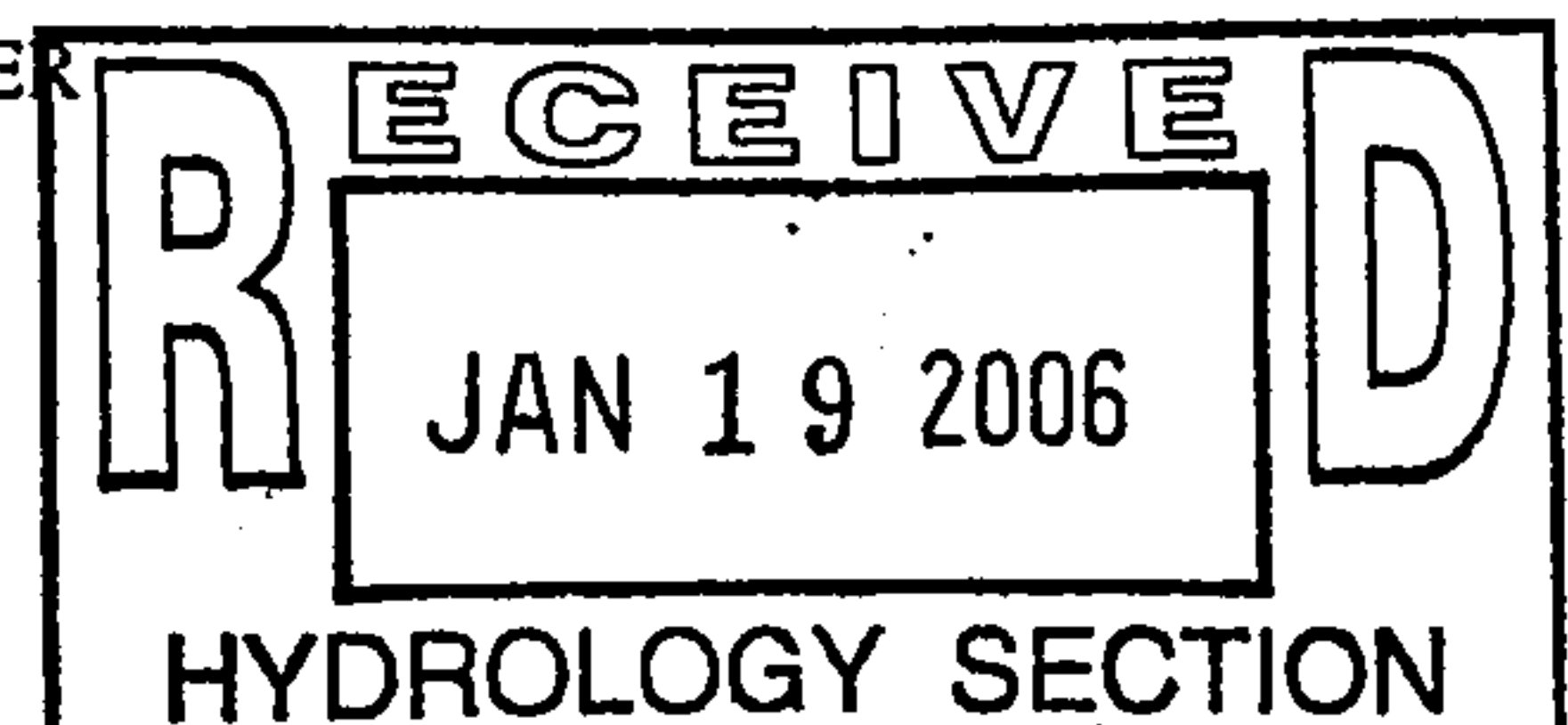
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☒ DRAINAGE PLAN RESUBMITTAL  
☒ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

## 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 APPR.  
☐ 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



DATE SUBMITTED: Wednesday, January 18, 2006

BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



**ISAACSON & ARFMAN, P.A.**

**Consulting Engineering Associates**

*Thomas O. Isaacson, PE & LS • Fred C. Arfman, PE  
Scott M. McGee, PE*

January 18, 2006

Hydrology Department  
City of Albuquerque

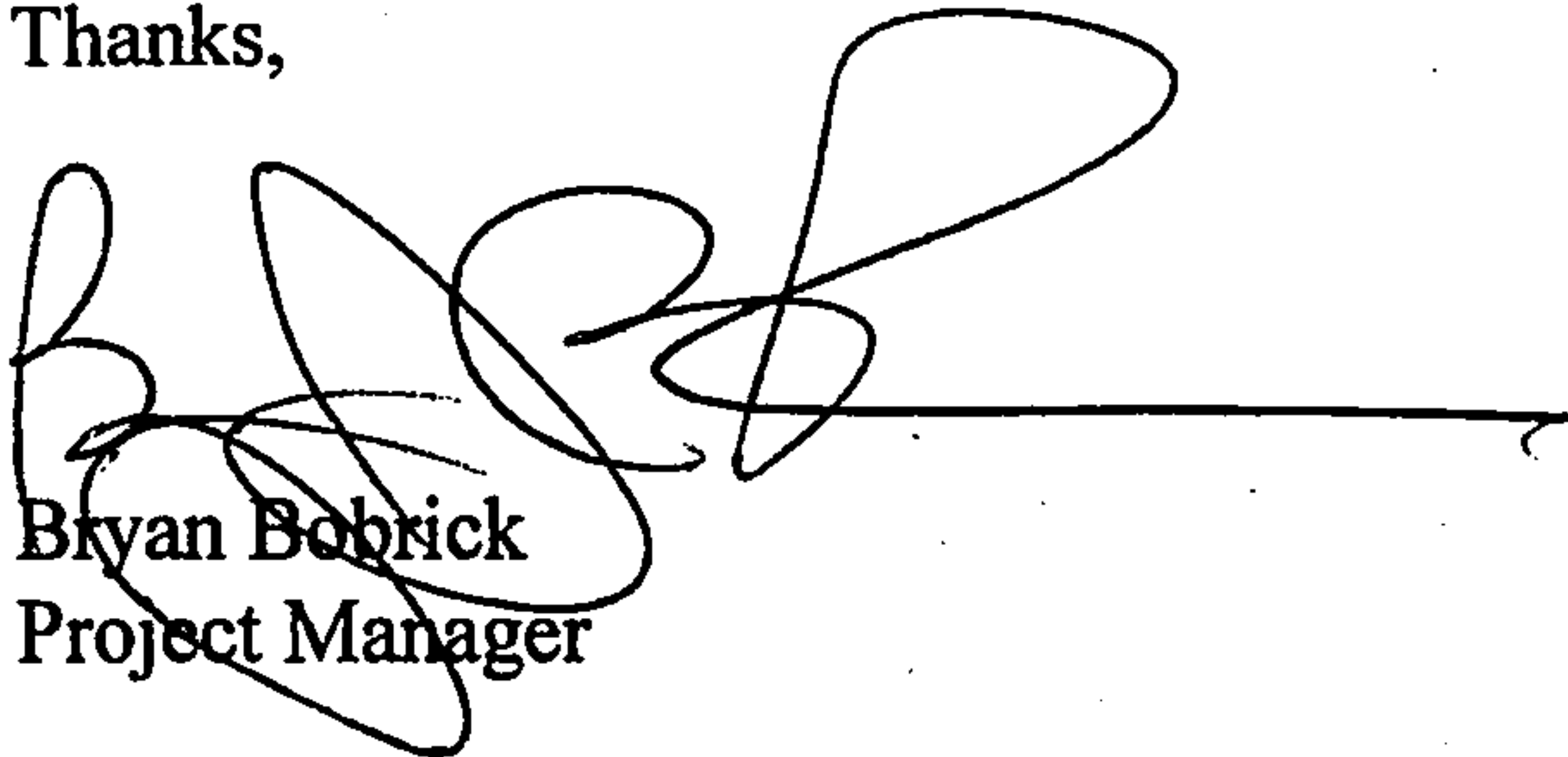
RE: WOMEN'S HOSPITAL OF NEW MEXICO (F17-D10)

To Whom It May Concern:

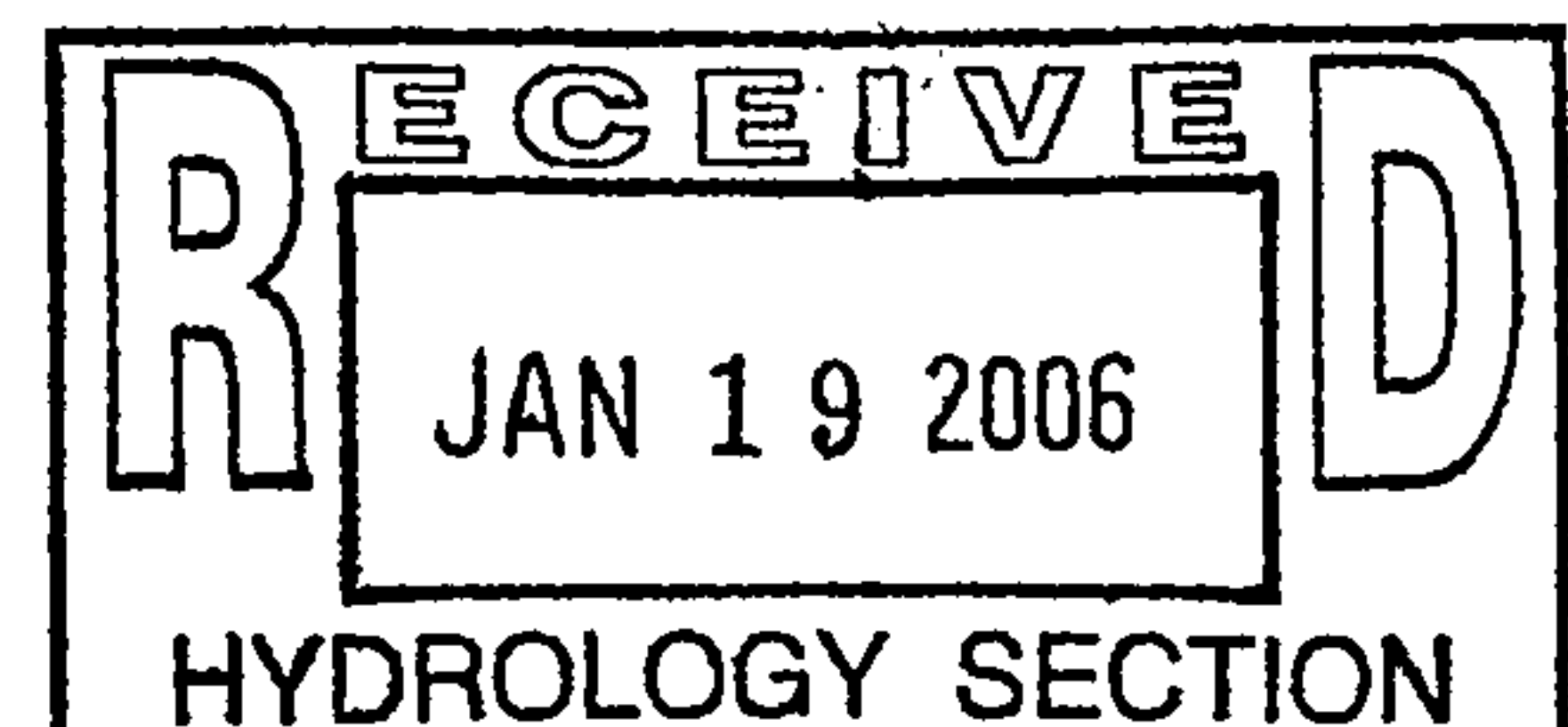
Included with this letter is a new Conceptual Drainage and Grading Plan for the above mentioned project. This project was previously approved for Building Permit (see attached copy of approval letter) but due to major site plan changes, the project is going back to EPC for Amended Site Development Plan approval. Previously proposed drainage concepts remain as originally designed.

Please don't hesitate to call me or Scott McGee with any questions.

Thanks,

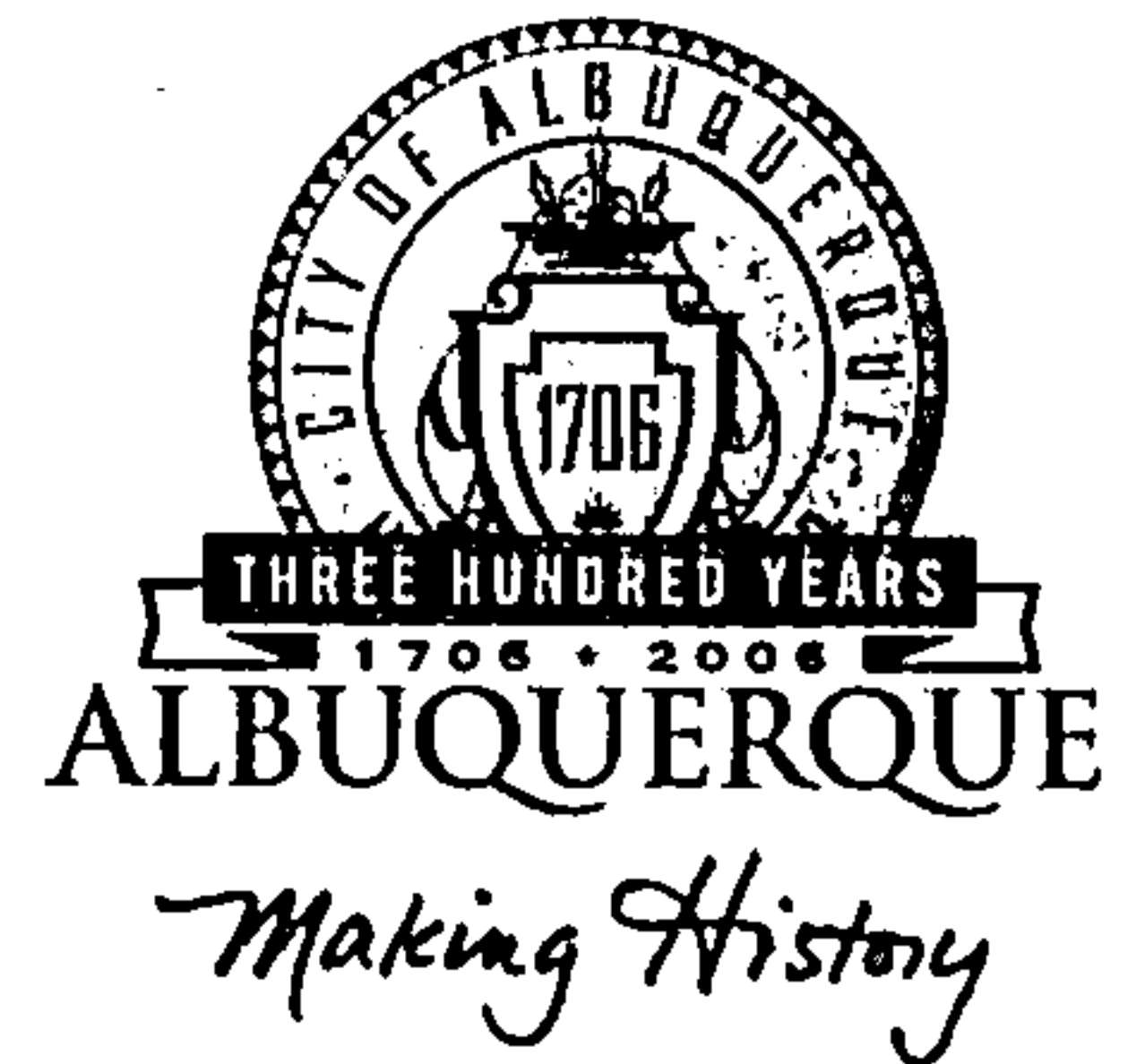


Bryan Bobrick  
Project Manager



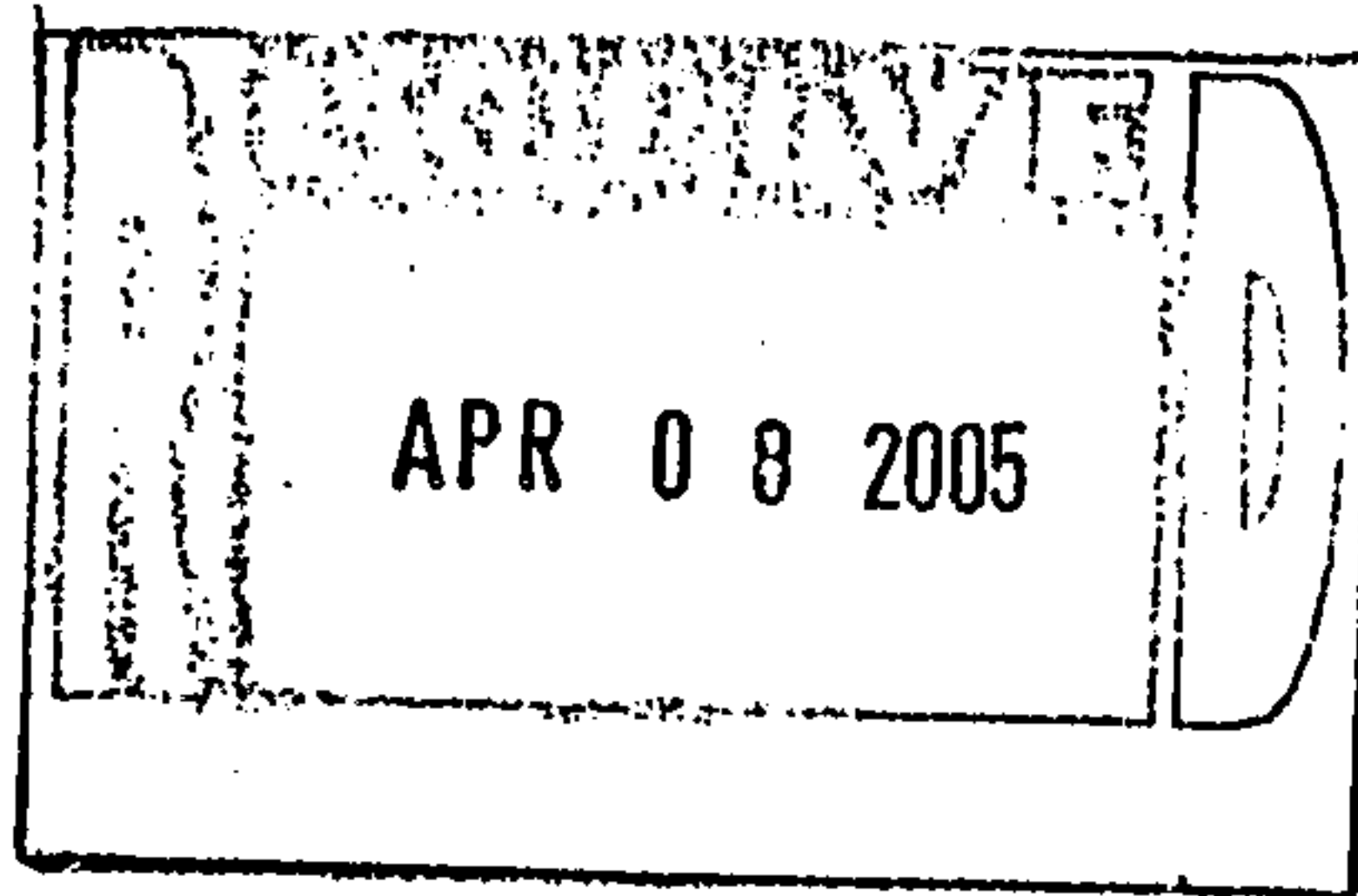


# CITY OF ALBUQUERQUE



April 7, 2005

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108



**Re: Women's Hospital of New Mexico Medical Office Building and Neo-Natal  
I.C.U., 4701 Montgomery Blvd NE, Grading and Drainage Plan  
Engineer's Stamp dated 3-03-05 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 2-22-05, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

New Mexico 87103

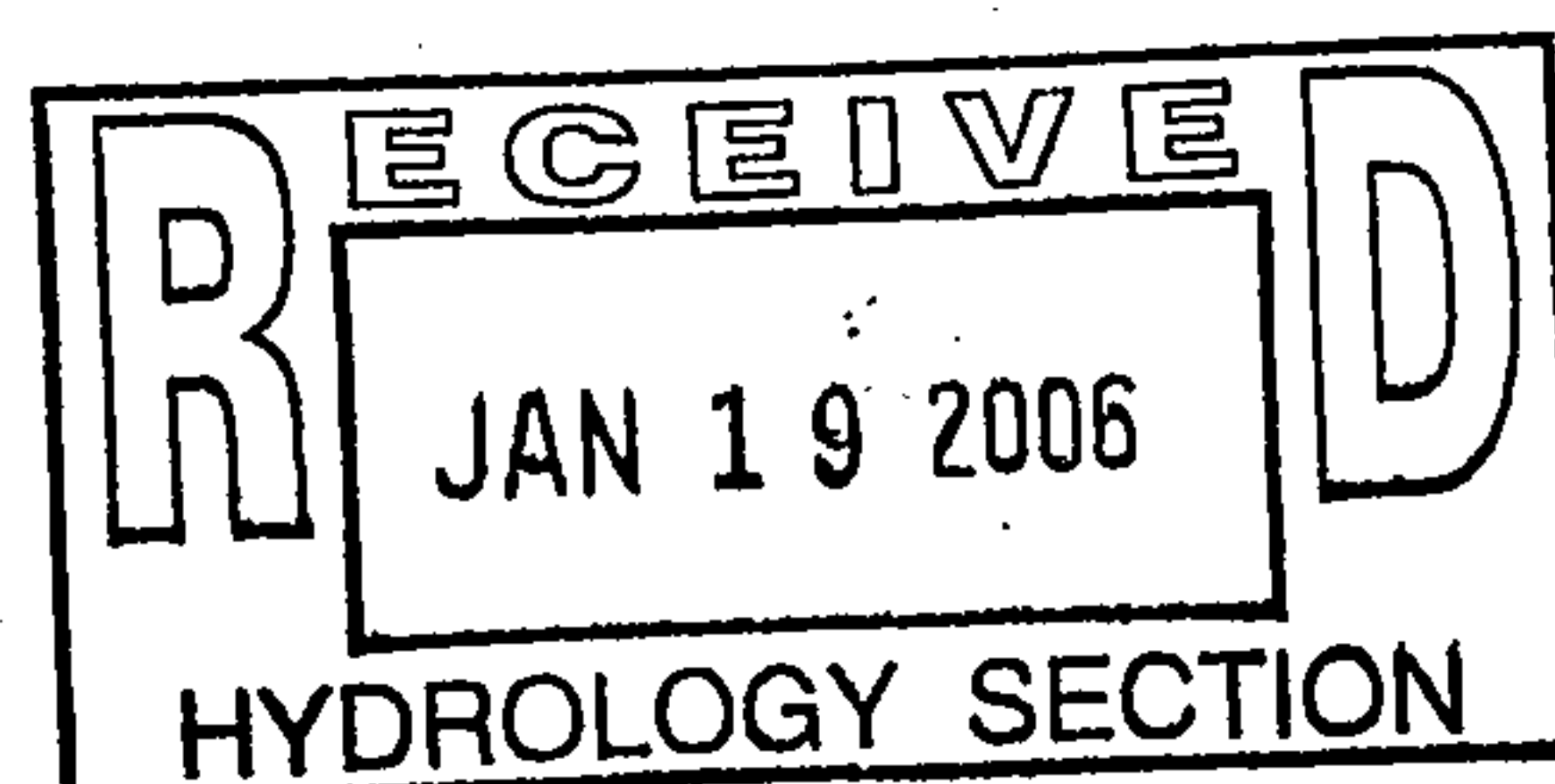
If you have any questions, you can contact me at 924-3981.

[www.cabq.gov](http://www.cabq.gov)

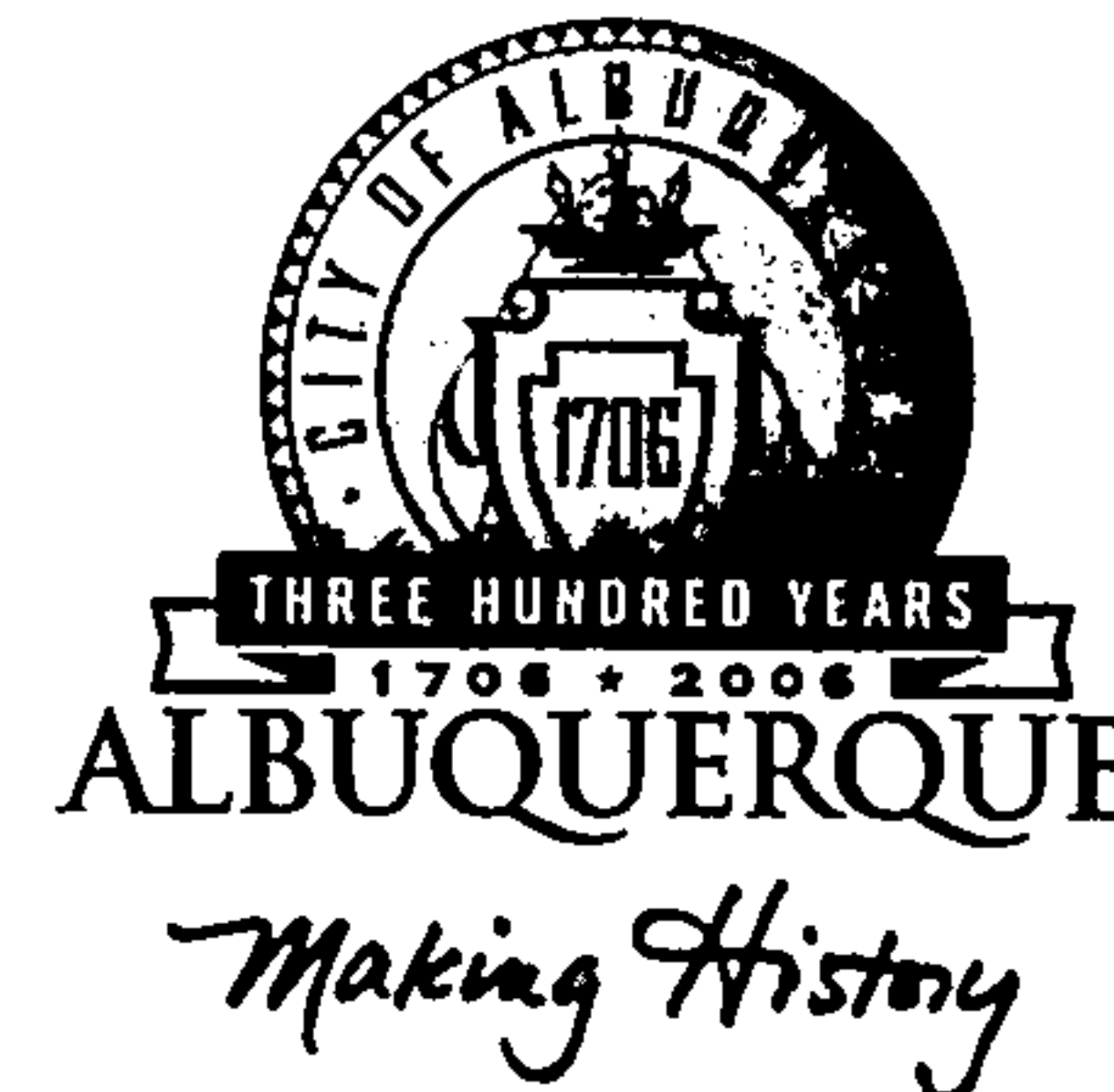
Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

C: Charles Caruso, DMD Storm Drainage Design  
File



# CITY OF ALBUQUERQUE



December 21, 2004

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Parking Lot Renodel Phase 1, 4701  
Montgomery Blvd NE, Grading and Drainage Plan  
Engineer's Stamp dated 11-18-04 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 11-18-04, the above referenced plan is approved for ~~Building Permit~~ *Paving & Grading*. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

Albuquerque

If you have any questions, you can contact me at 924-3981.

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

C: File



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM - Parking Lot Remodel ZONE MAP / DRG. FILE #: F-17 / D10  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc. CONTACT: Marie Holloway  
ADDRESS: 112 Second St. SW PHONE: 243-7492  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87102

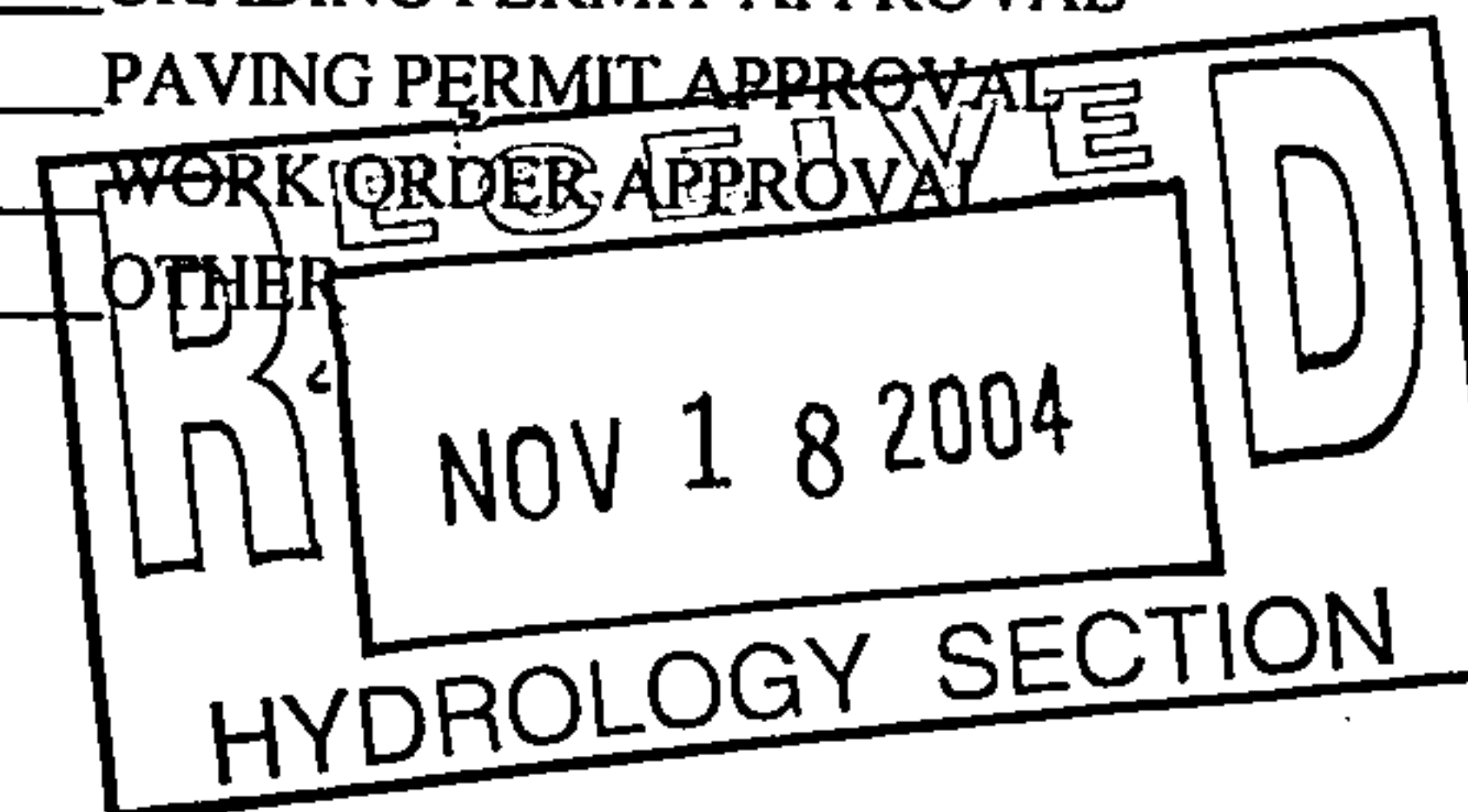
SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CHECK TYPE OF SUBMITTAL:  
☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☒ DRAINAGE PLAN RESUBMITTAL  
☐ 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 CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:  
☐ YES  
☐ NO  
☐ COPY PROVIDED

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 APPR.  
☐ 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

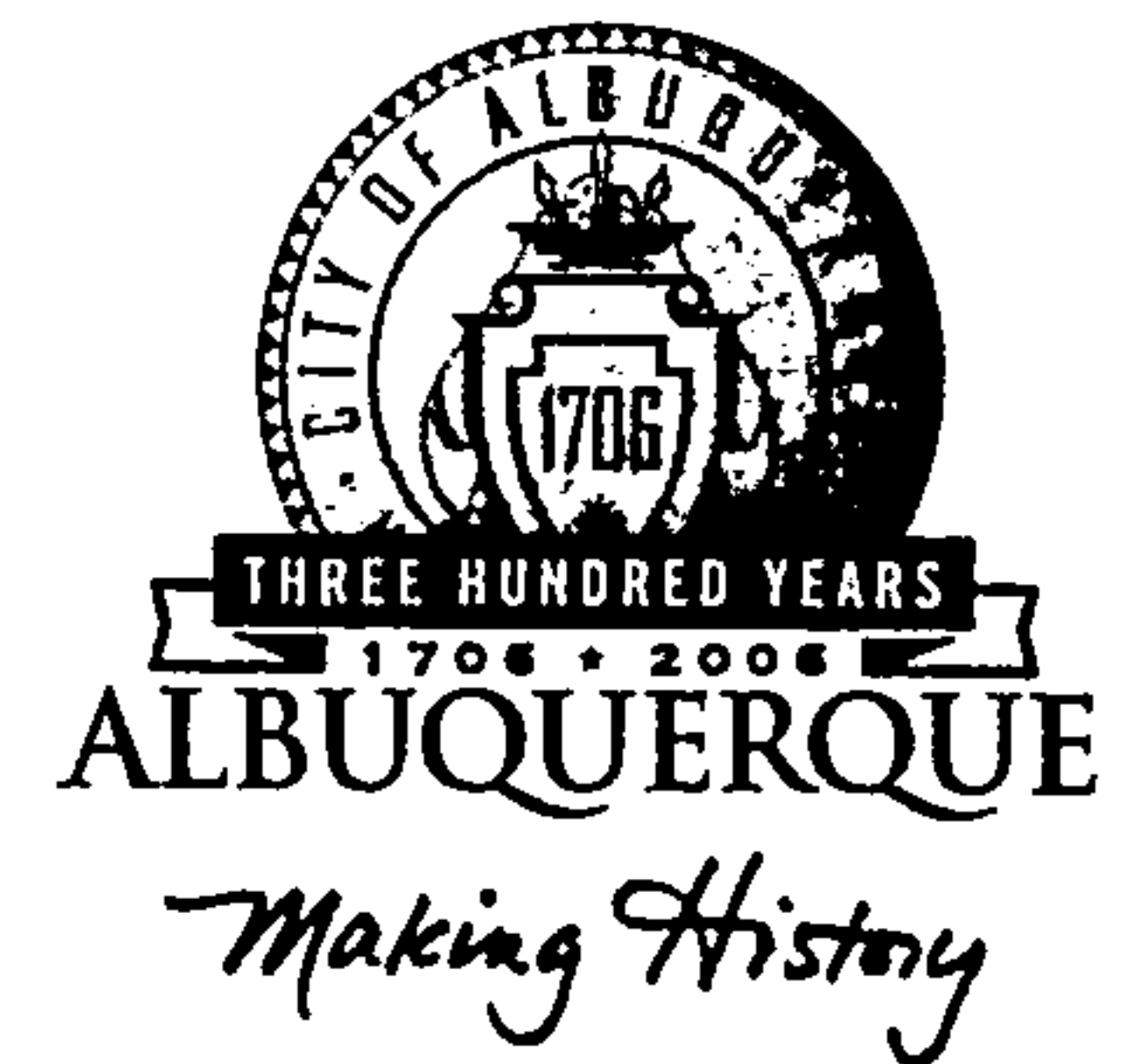


DATE SUBMITTED: Thursday, November 18, 2004 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

# CITY OF ALBUQUERQUE



October 27, 2004

Scott McGee, PE  
Isaacson & Arfman  
128 Monroe St NE  
Albuquerque, NM 87108

**Re: Women's Hospital of NM – Parking Remodel Grading and Drainage Plan ?  
Engineer's Stamp dated 9-10-04 (F17/D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal dated 9-10-04, 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.

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 924-3986.

Sincerely,

Bradley L. Bingham, PE  
Principal Engineer, Planning Dept.  
Development and Building Services

C: file

P.O. Box 1293

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/28/2003rd)

F 17 - D010

PROJECT TITLE: Women's Hospital of NM - Parking Lot Remodel ZONE MAP / DRG. FILE #: F-17  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc. CONTACT: Marie Holloway  
ADDRESS: 112 Second St. SW PHONE: 243-7492  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

**CHECK TYPE OF SUBMITTAL:**  
☐ DRAINAGE REPORT  
☒ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ 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 CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

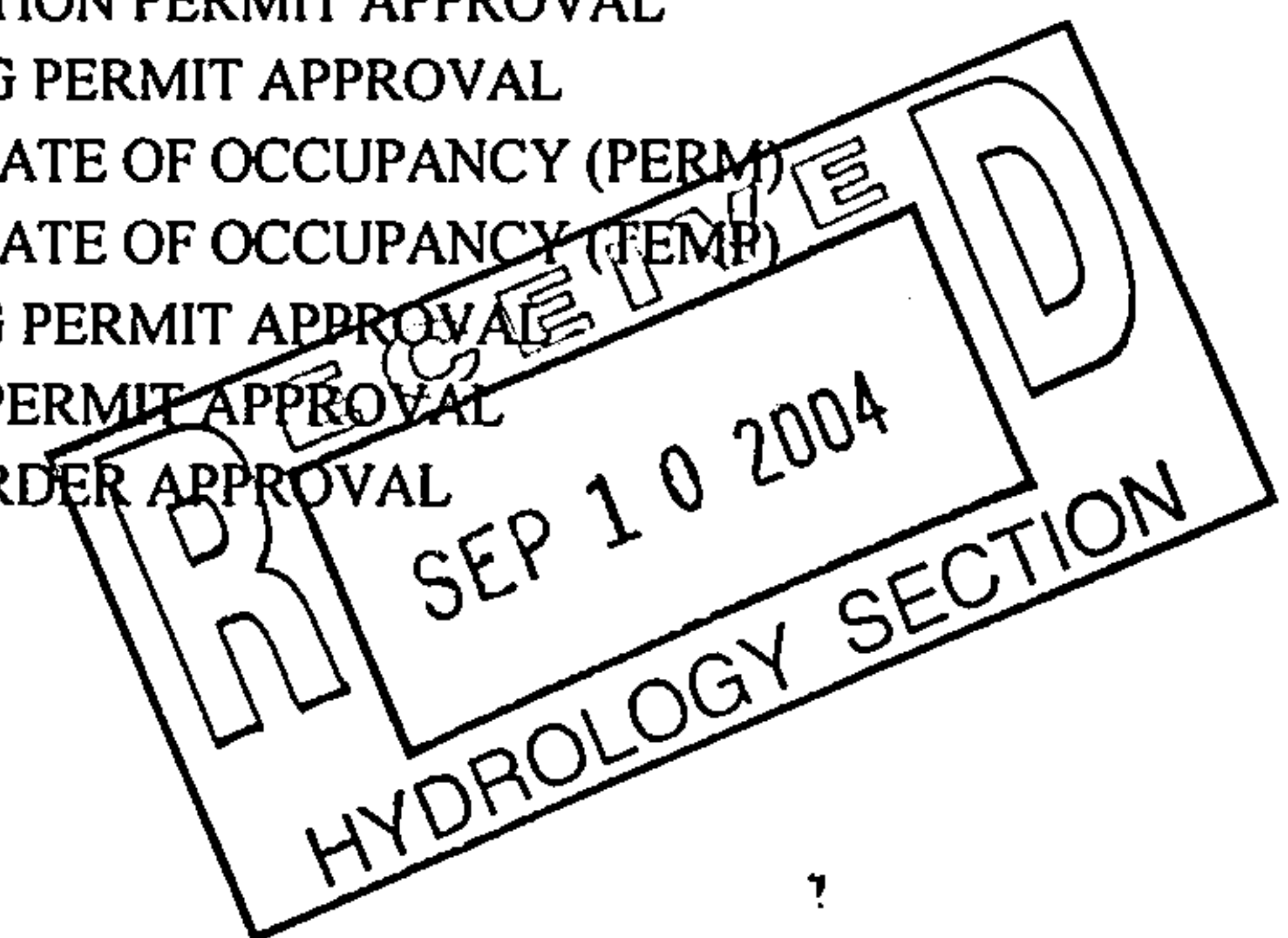
**CHECK TYPE OF APPROVAL SOUGHT:**  
☐ SIA / FINANCIAL GUARANTEE RELEASE  
☐ PRELIMINARY PLAT APPROVAL  
☐ S. DEV. PLAN FOR SUB'D APPROVAL  
☐ S. DEV. PLAN FOR BLDG. PERMIT APPR.  
☐ SECTOR PLAN APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ FOUNDATION PERMIT APPROVAL  
☒ BUILDING PERMIT APPROVAL  
☐ CERTIFICATE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

**WAS A PRE-DESIGN CONFERENCE ATTENDED:**  
☐ YES  
☐ NO  
☐ COPY PROVIDED

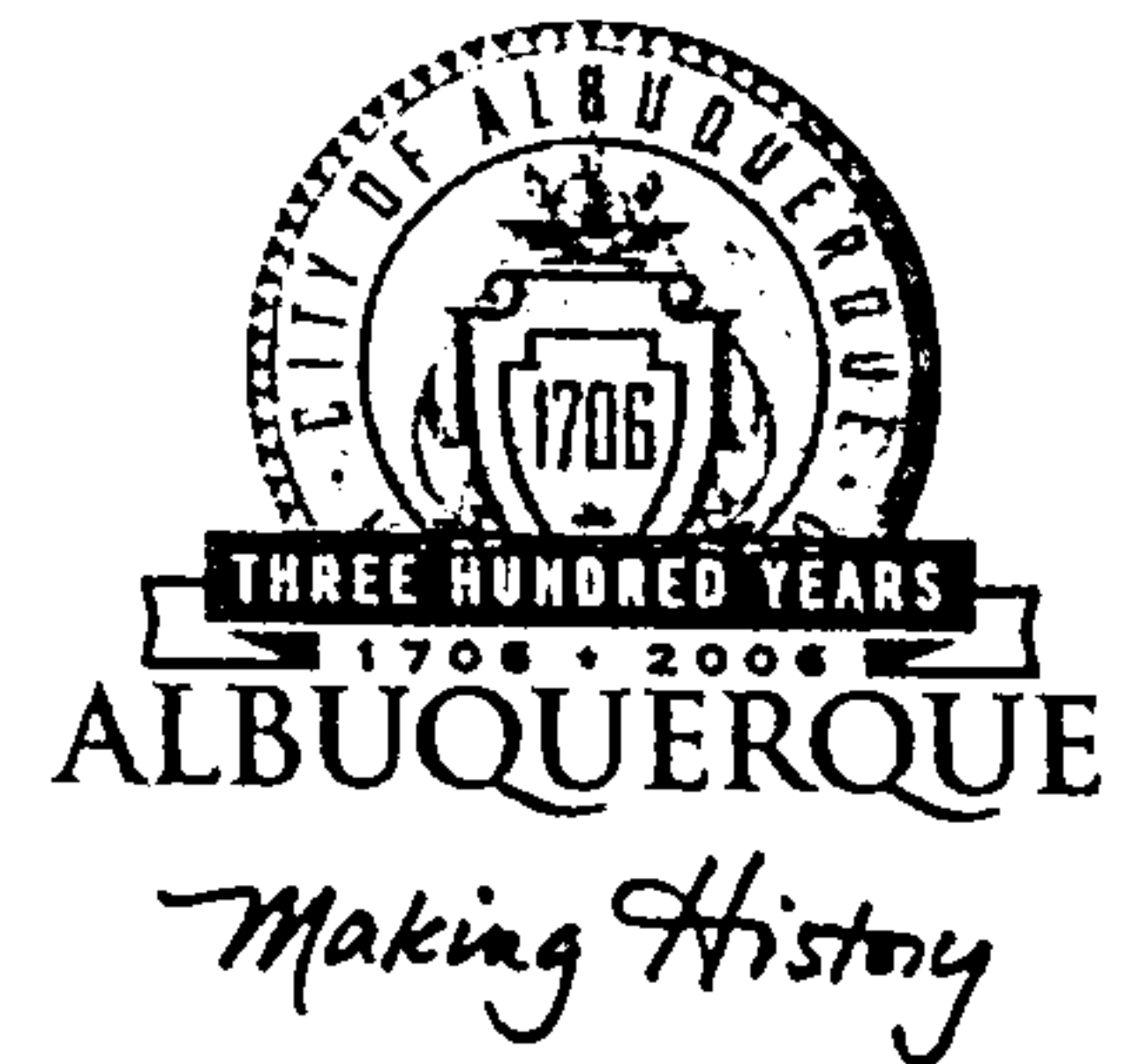
DATE SUBMITTED: Friday, September 10, 2004 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



# CITY OF ALBUQUERQUE



September 26, 2006

Scott M. McGee, PE  
Isaacson & Arfman, PA  
128 Monroe St. NE.  
Albuquerque, NM 87108

**Re: Womens Hospital of NM, 4701 Montgomery Blvd NE**  
**Grading and Drainage Plan**  
**Engineer's Stamp dated 9-06-06 (F-17/D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 9-08-06, the above referenced plan is approved for Foundation permit. Prior to Building Permit show all inverts and Rims. 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 of the grading plan per the DPM checklist will be required.

P.O. Box 1293

If you have any questions, you can contact me at 924-3977.

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

A handwritten signature in black ink, appearing to read 'Rudy E. Rael', is written over the typed name.

Rudy E. Rael, Associate Engineer  
Planning Department.  
Building and Development Services

C: file



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Lovelace Women's Hospital of NM – Foundation Permit

ZONE MAP / DRG. FILE #: F-17 / D10

DRB #:

EPC #:

WORK ORDER #:

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: 4701 Montgomery BLVD NE

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: LOVELACE

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

ZIP CODE:

ARCHITECT Earl Swensson Assoc.

ADDRESS: 2100 West End Ave Vanderbilt Plaza

CITY, STATE: Nashville Tennessee

CONTACT: Mark Watson

PHONE:

ZIP CODE: 37203

SURVEYOR: Forstbauer Surveying

ADDRESS:

CITY, STATE: Albuquerque, New Mexico

CONTACT: Ron Forstbauer

PHONE: 268-2112

ZIP CODE:

CONTRACTOR:

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

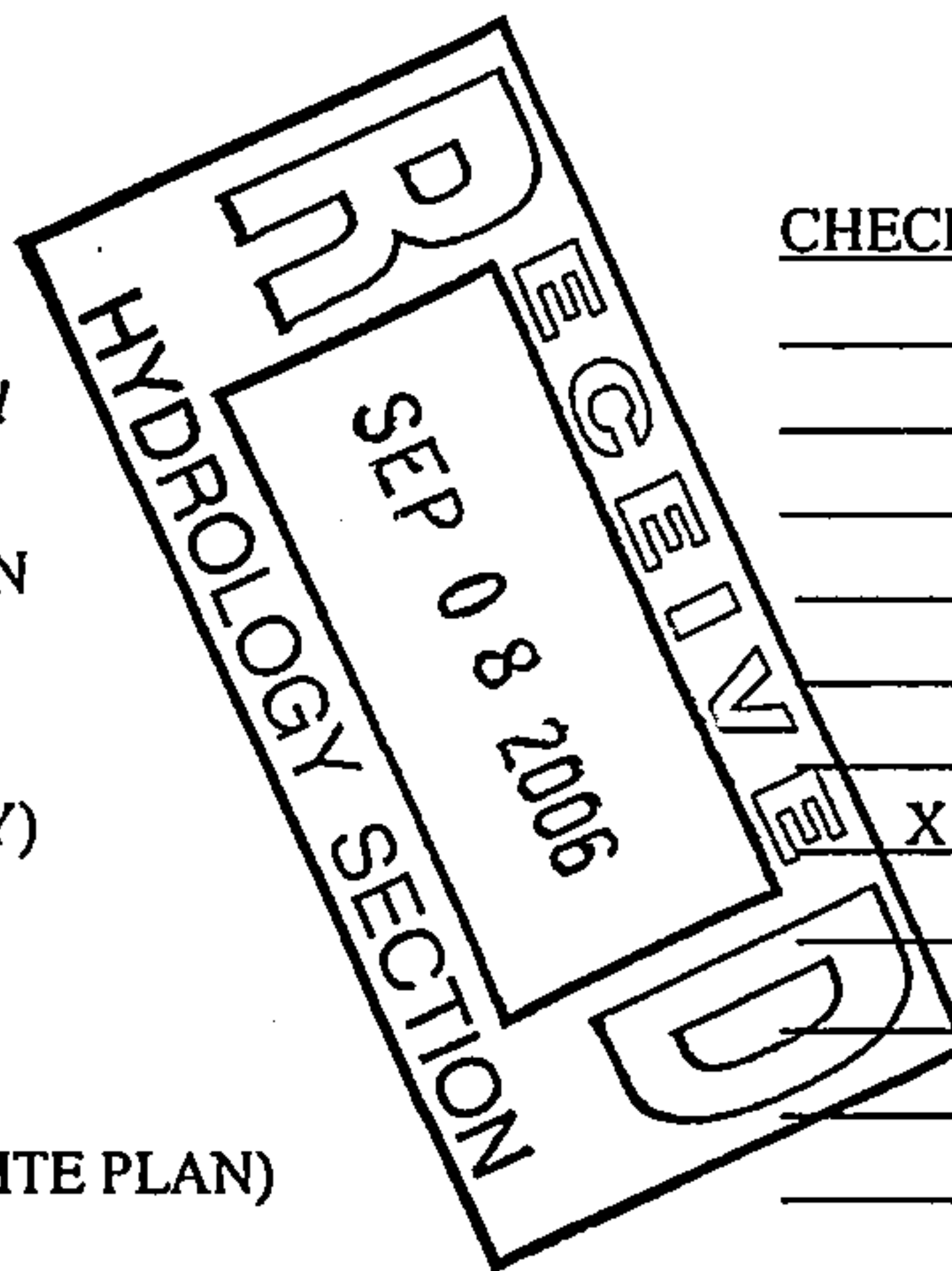
ZIP CODE:

## CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☒ 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 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 APPR.
- ☐ 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



## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: Thursday, September 07, 2006

BY: Isaacson & Arfman, P.A.

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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3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

# CITY OF ALBUQUERQUE



November 8, 2006

Scott M. McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe NE  
Albuquerque, NM 87108

Re: Women's Hospital N.I.C.U. Addition, Engineer's Stamp dated 11-2-06  
4701 Montgomery NE Building Addition (F17/D10)

Dear Mr. McGee,

Based on the information contained in your submittal received on November 3, 2006, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

This project will also require a National Pollutant Discharge Elimination System (NPDES) permit. Inquiries regarding this permit should be directed to Sertil Kandar with the DMD Storm Drainage Design section at 768-3654 or 768-3645.

Albuquerque

If you have any questions or need additional information, feel free to contact me at 924-3990.

New Mexico 87103

Sincerely,

www.cabq.gov

Jeremy Hoover, P.E.  
Senior Engineer  
Hydrology Section  
Development and Building Services

cc: file (F17/D10)



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**  
(REV. 1/28/2003rd)

PROJECT TITLE: Lovelace Women's Hospital of NM NICU shell ZONE MAP / DRG. FILE #: F-17 / D10  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque  
CITY ADDRESS: 4701 Montgomery BLVD NE

ENGINEERING FIRM: Isaacson & Arfman, P.A. CONTACT: Bryan Bobrick  
ADDRESS: 128 Monroe St. NE PHONE: 268-8828  
CITY, STATE: Albuquerque, NM ZIP CODE: 87108

OWNER: LOVELACE CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT Earl Swensson Assoc. CONTACT: Mark Watson  
ADDRESS: 2100 West End Ave Vanderbilt Plaza PHONE: \_\_\_\_\_  
CITY, STATE: Nashville Tennessee ZIP CODE: 37203

SURVEYOR: Surveys Southwest LS # 8686 CONTACT: Dan Graney  
ADDRESS: 333 Lomas NE PHONE: 998-0303  
CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87102

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

**CHECK TYPE OF SUBMITTAL:**

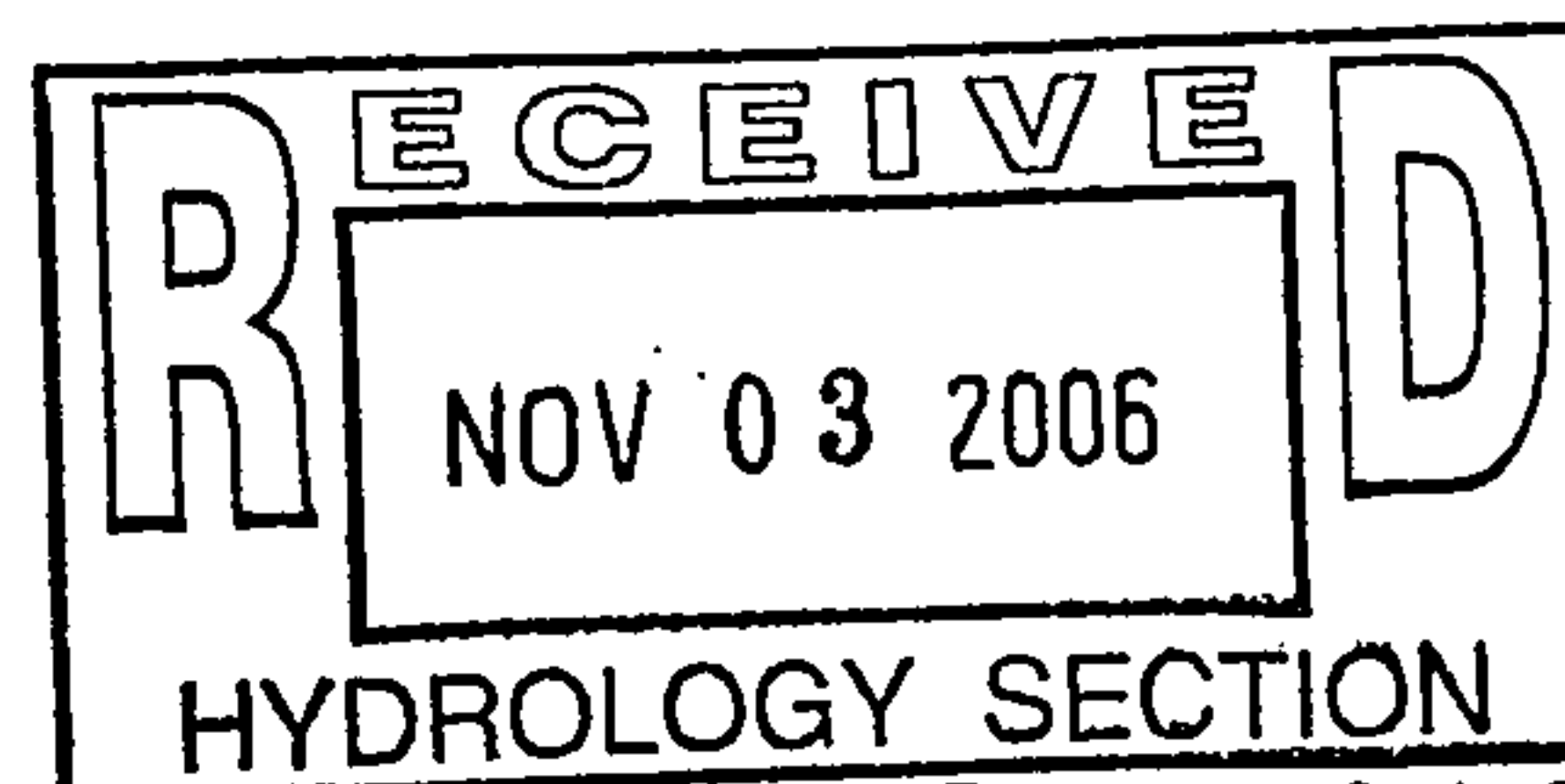
☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN *Resubmittal*  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S 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 APPR.  
☐ 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

**WAS A PRE-DESIGN CONFERENCE ATTENDED:**

☐ YES  
☐ NO  
☐ COPY PROVIDED



DATE SUBMITTED: Thursday, November 02, 2006 BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.

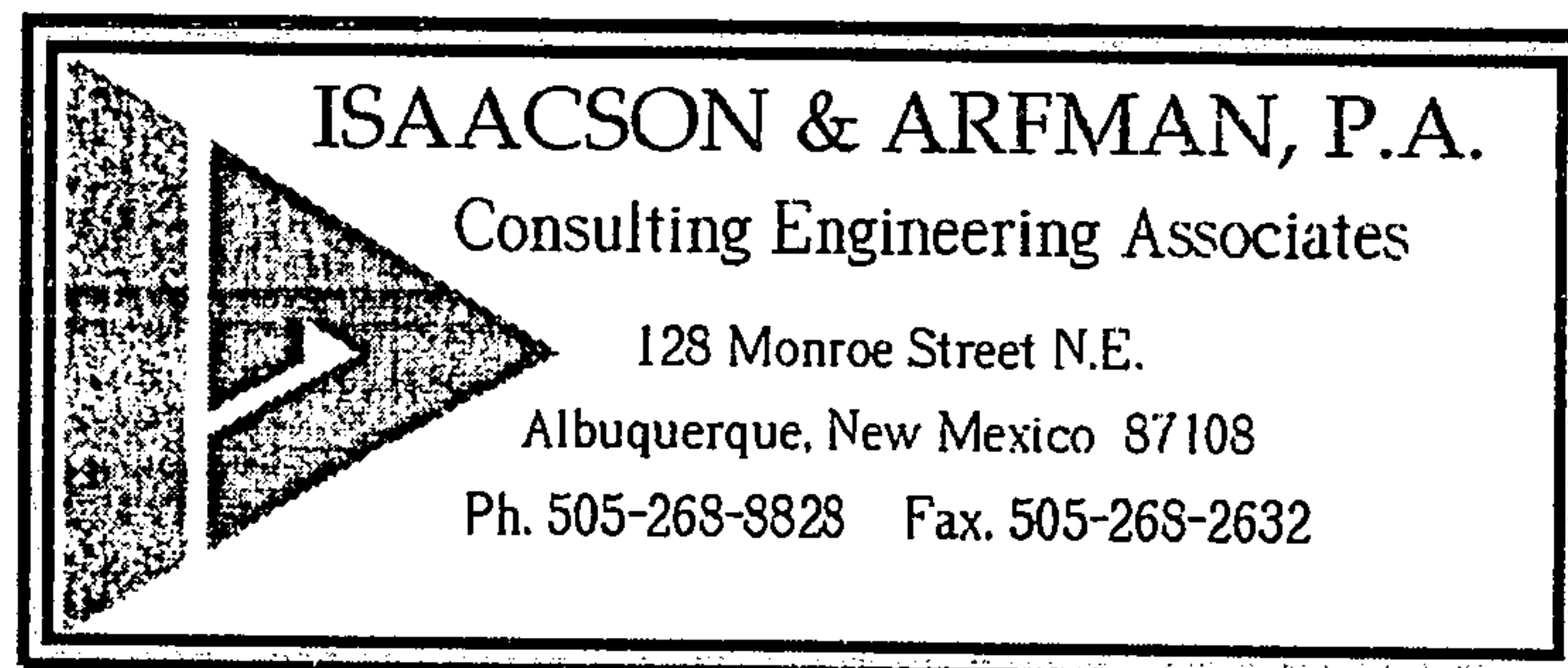
OCTOBER 4, 2006

# SUPPLEMENTAL INFORMATION

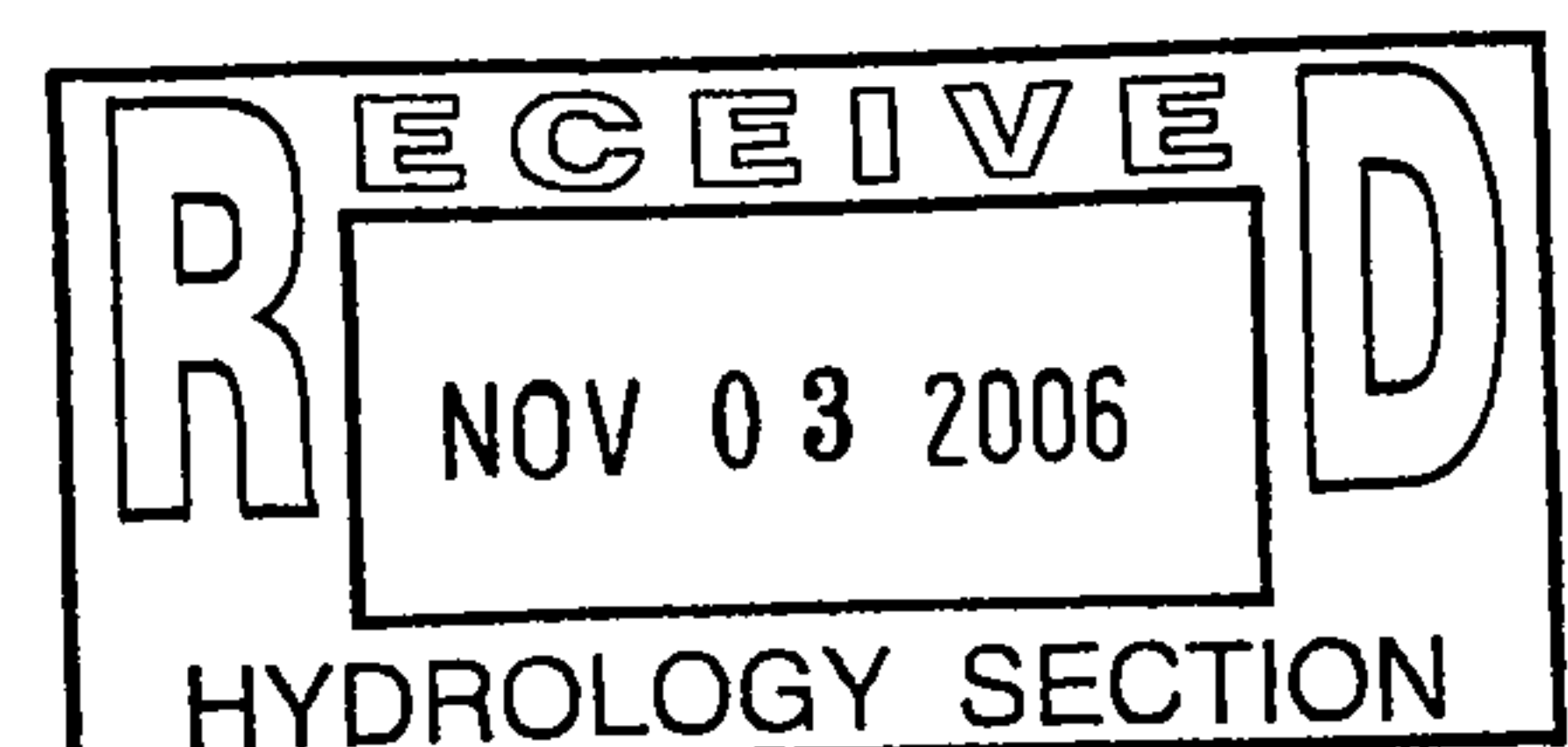
FOR

LOVELACE WOMEN'S HOSPITAL  
N.I.C.U.

BY



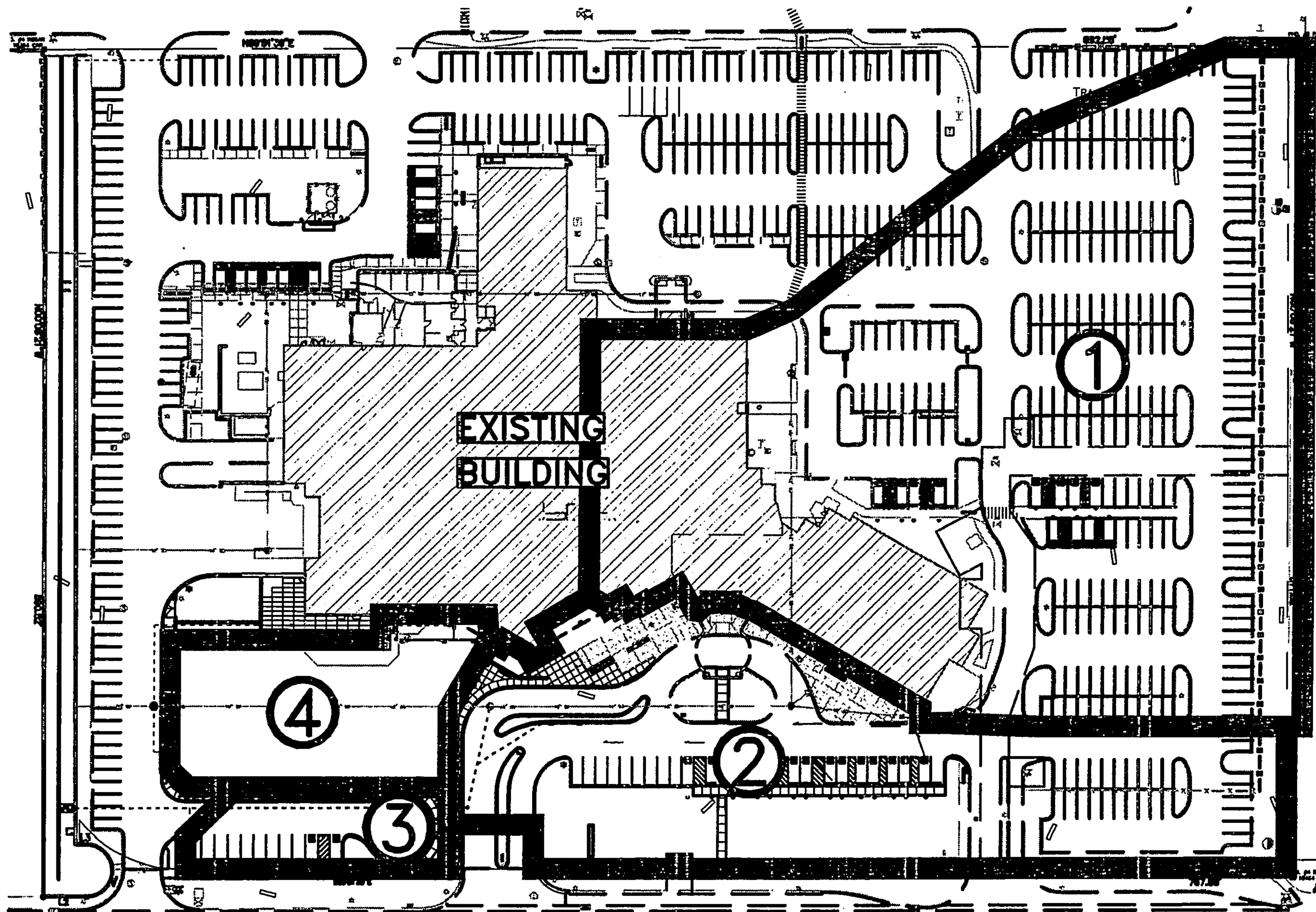
1410.2





## **REPORT CONTENTS**

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OVERALL SITE WITH SUB-BASINS INDICATED : 1"=100'



1410-2 Revised DPM Calculations - 100 yr 6 hr1

BASIN NO.	1	DESCRIPTION
-----------	---	-------------

Area of basin flows = 168835 SF = 3.9 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.95 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 27492 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 17.1 cfs

TREATMENT

A = 0%

B = 5%

C = 10%

D = 85%

BASIN NO.	2	DESCRIPTION
-----------	---	-------------

Area of basin flows = 76145 SF = 1.7 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 1.80 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 11438 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 7.2 cfs

TREATMENT

A = 0%

B = 20%

C = 5%

D = 75%

BASIN NO.	3	DESCRIPTION
-----------	---	-------------

Area of basin flows = 9530 SF = 0.2 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.02 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 1605 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 1.0 cfs

TREATMENT

A = 0%

B = 0%

C = 10%

D = 90%

BASIN NO.	4	DESCRIPTION
-----------	---	-------------

Area of basin flows = 21660 SF = 0.5 Ac.

The following calculations are based on Treatment areas as shown in table to the right

Sub-basin Weighted Excess Precipitation (see formula above)

Weighted E = 2.12 in.

Sub-basin Volume of Runoff (see formula above)

V360 = 3827 CF

Sub-basin Peak Discharge Rate: (see formula above)

Qp = 2.3 cfs

TREATMENT

A = 0%

B = 0%

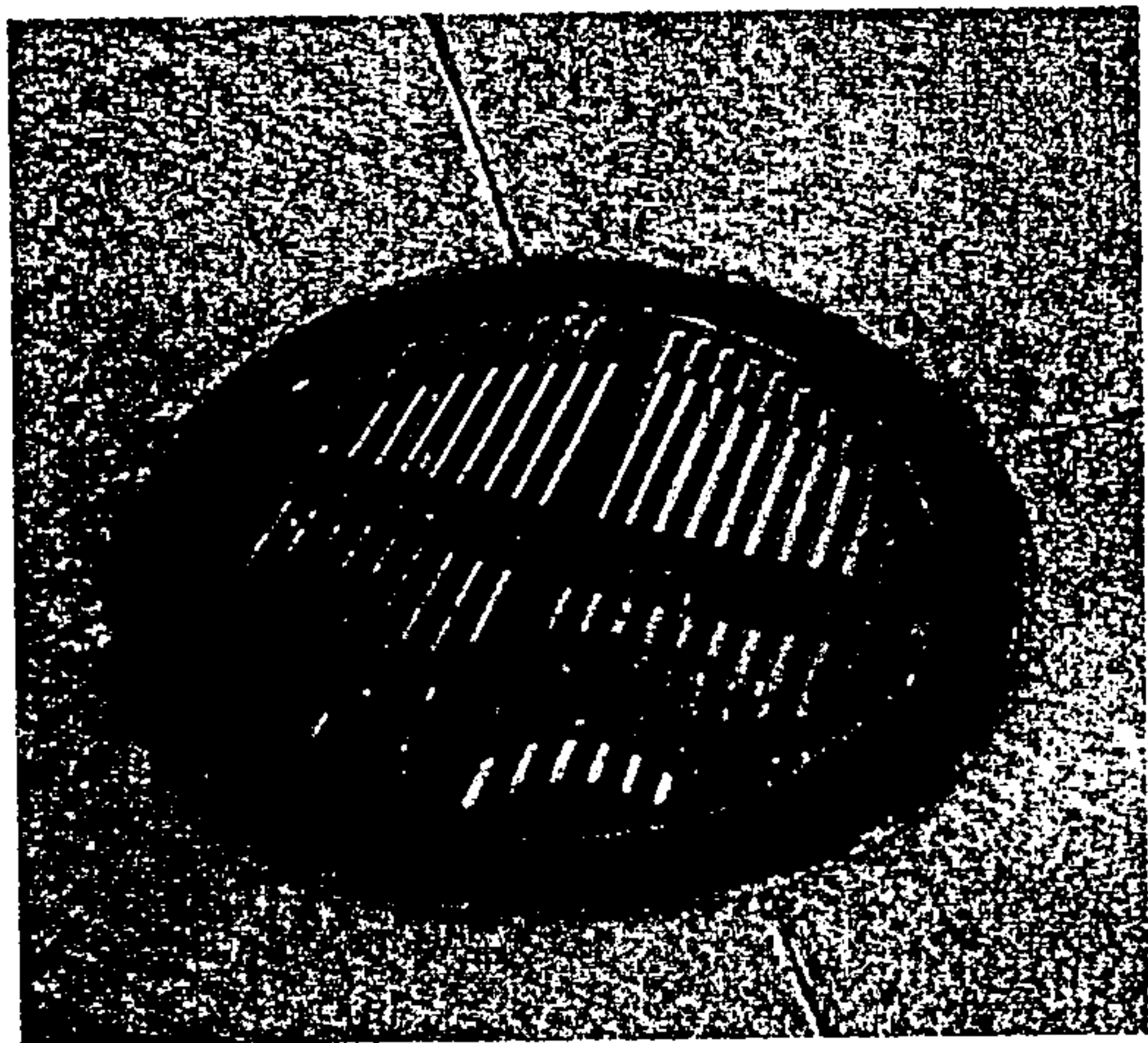
C = 0%

D = 100%





# Grate Options



## Ductile Iron Grates for Every Traffic Situation, Weight Load and Site Requirement

- H-25 Heavy-duty grates
- Medium-duty grates
- Solid covers H-25 rated
- Bronze grates
- Domed grates
- Drop-in grates

## Locking option is available for all grates.

All grate options are available for drain basins and inline drains.

## Ductile Iron Grates meet the following ASTM standards.

ASTM A536 grate 70-50-05 for ductile iron.  
ASTM A-48-83 class 30B for 12" & 15" cast iron frames.



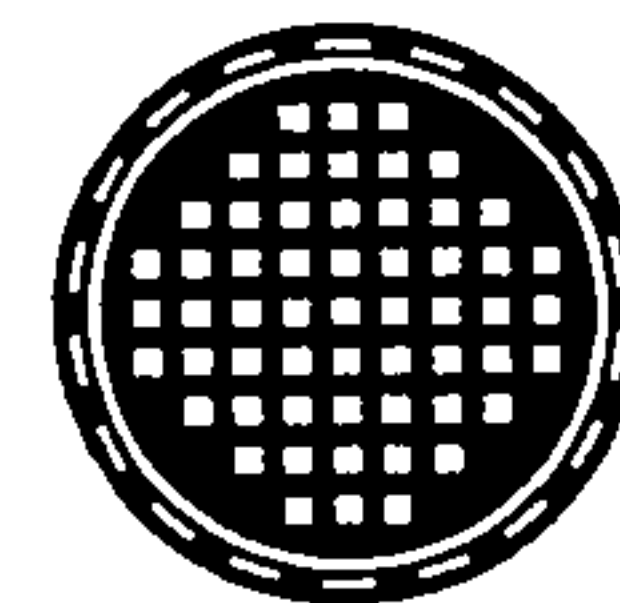
8", 10",  
Dome  
Light-Duty



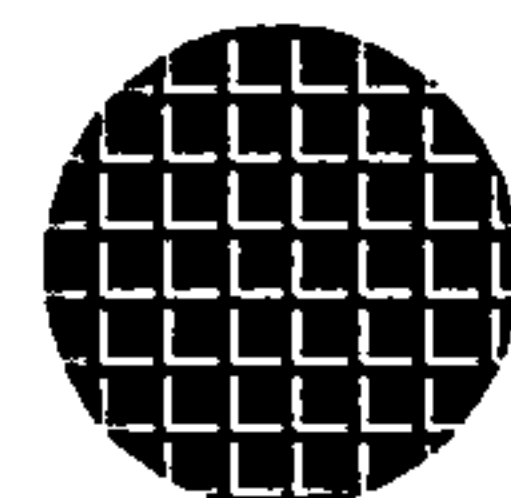
18", 24"  
& 30"  
Dome  
Light-Duty



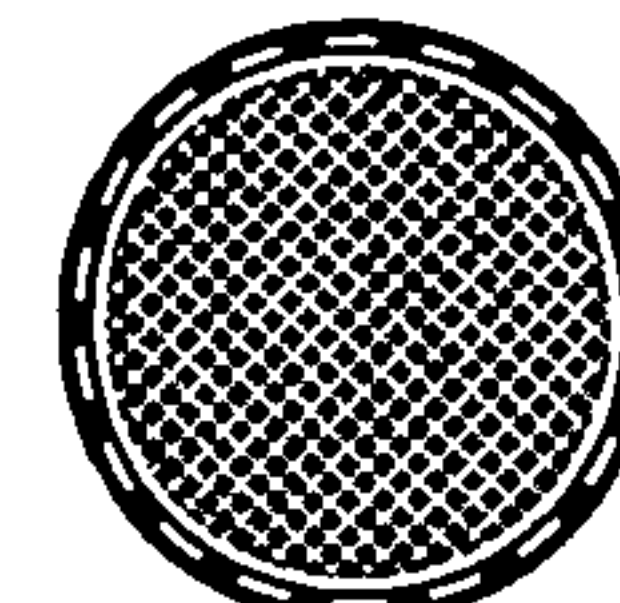
8" & 10"  
Standard  
Light-Duty  
(also available  
in bronze)



18"  
Standard  
H-25



8" & 10"  
Solid  
Light-Duty



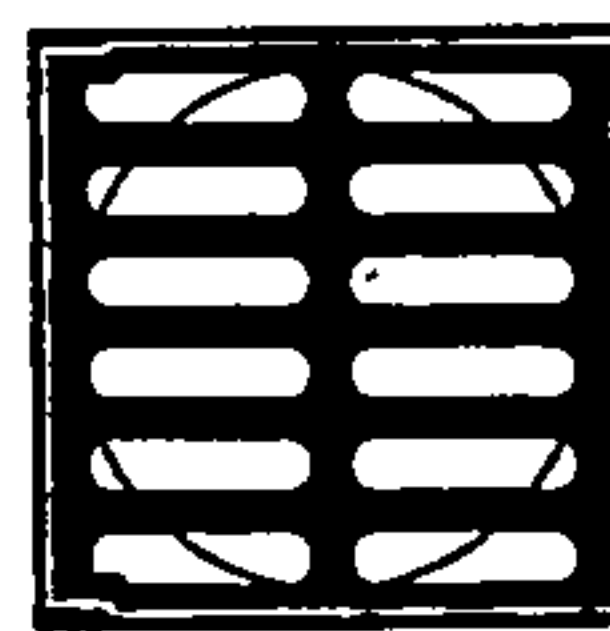
18" & 24"  
Solid  
H-25



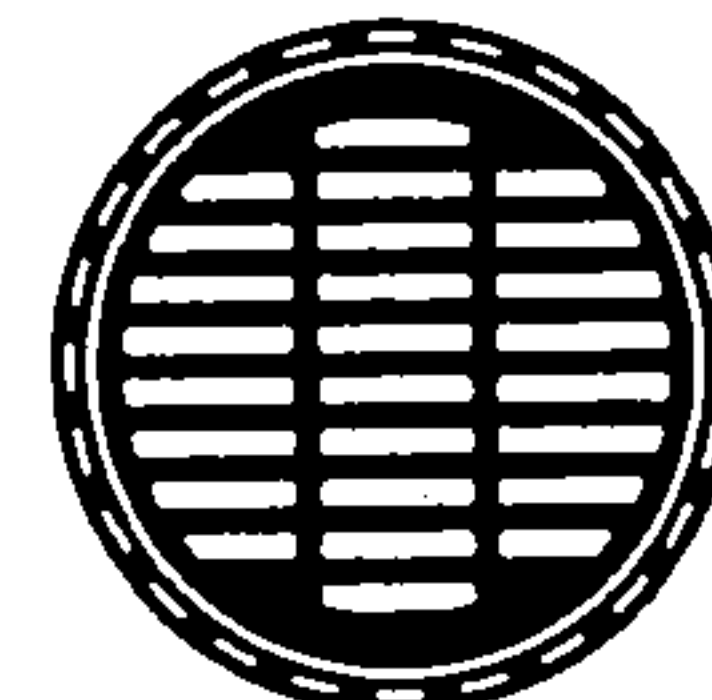
12" & 15"  
Dome  
Light-Duty



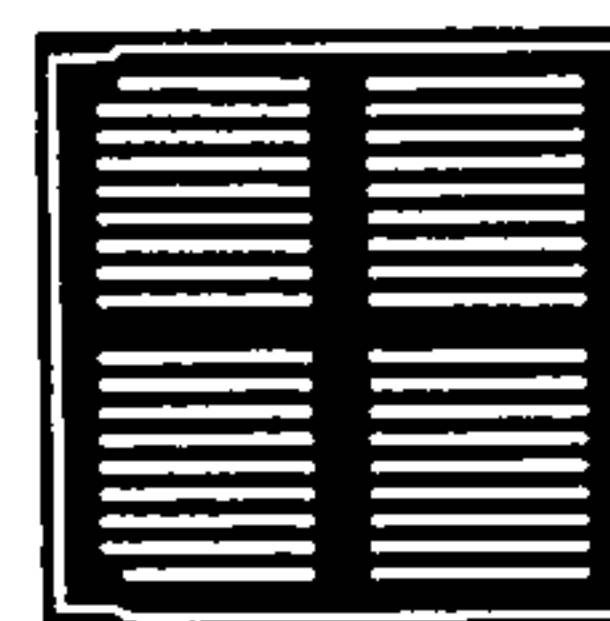
18"  
Pedestrian  
H-10



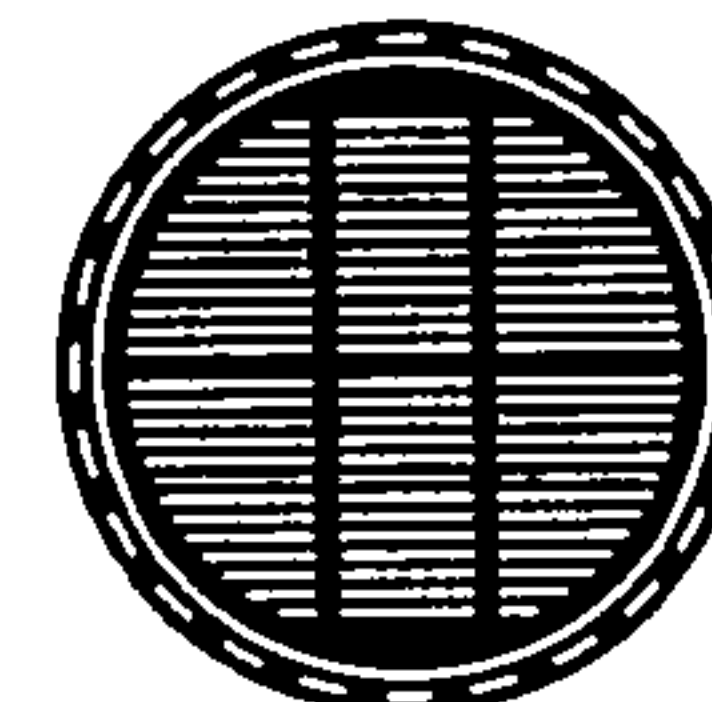
12" & 15"  
Standard  
H-25  
*Hinged  
Design*



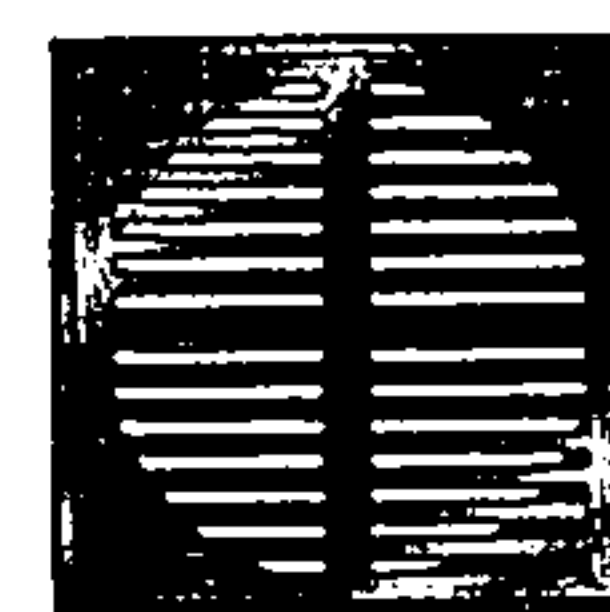
24"  
Standard  
H-25



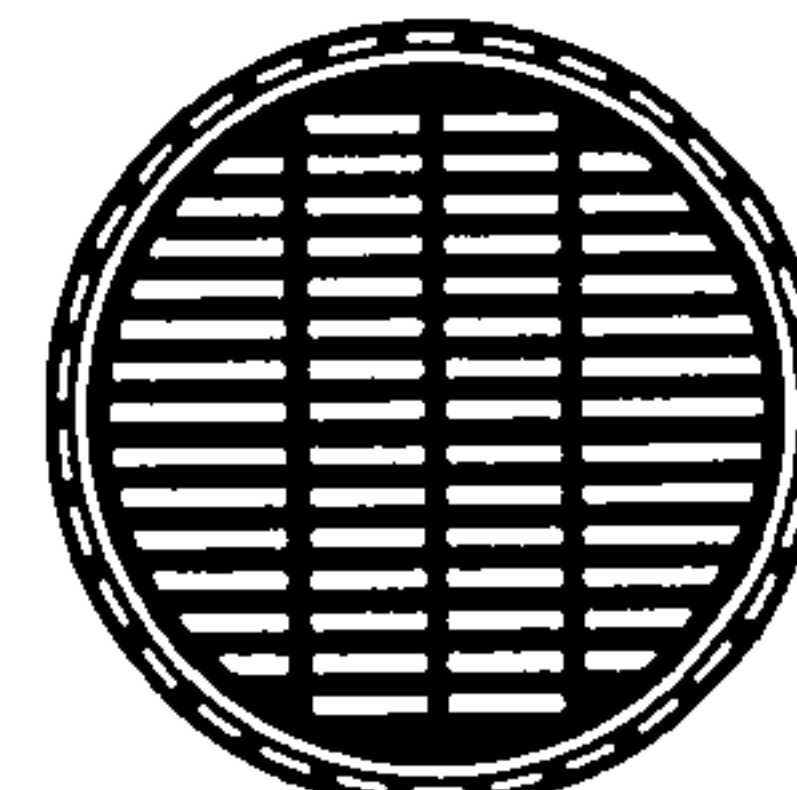
12" & 15"  
Pedestrian  
H-10  
*Hinged  
Design*



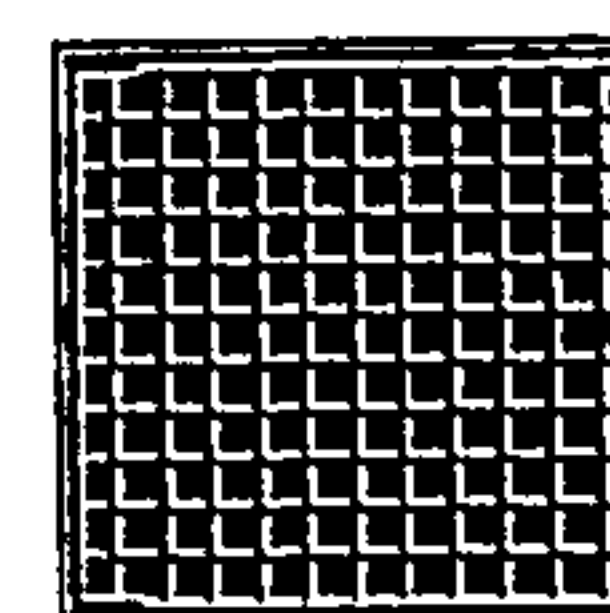
24"  
Pedestrian  
H-10



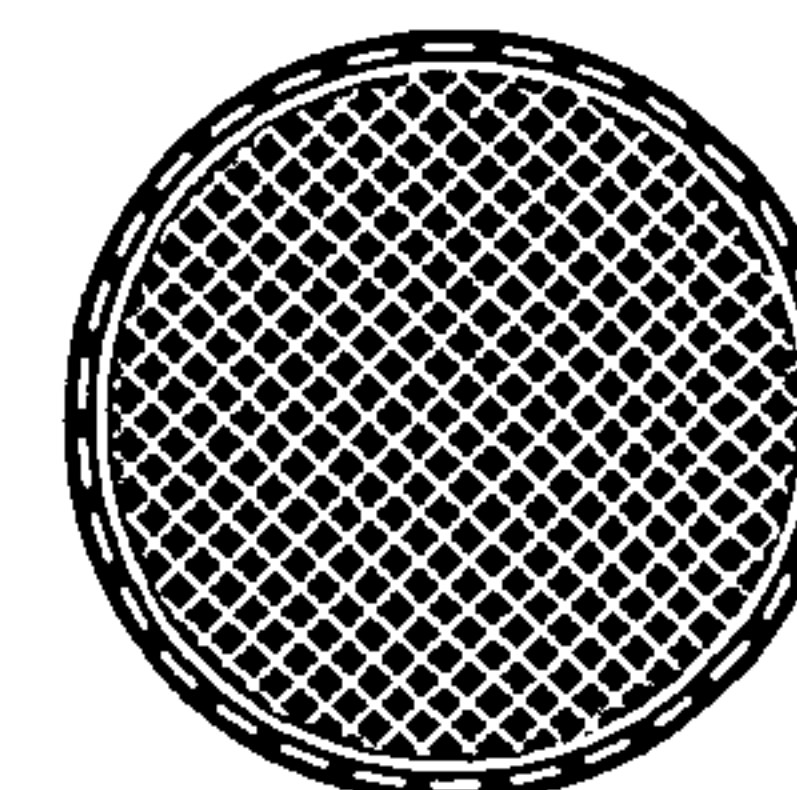
12" & 15"  
Pedestrian  
Light-Duty  
Bronze



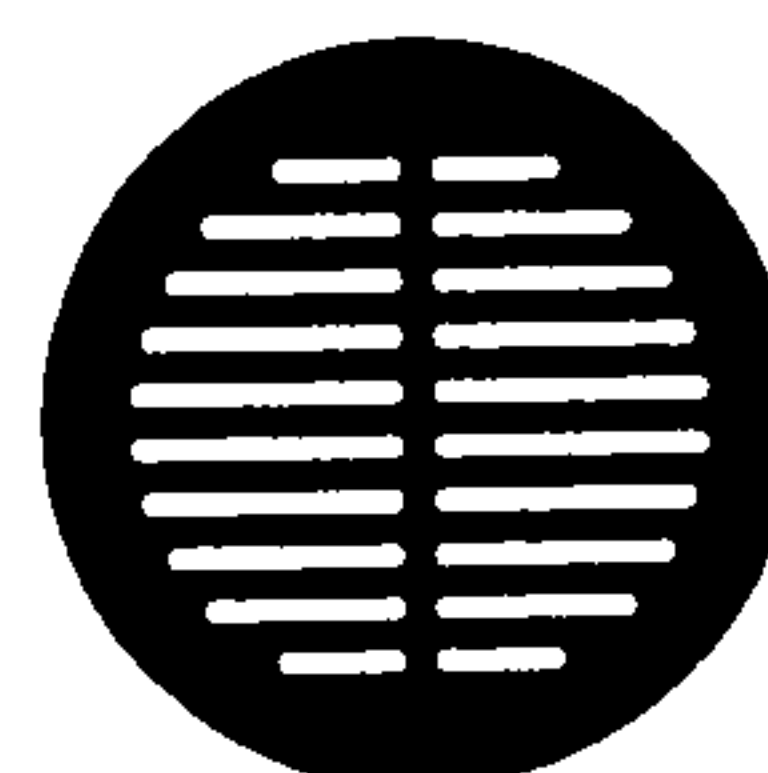
30"  
Standard  
H-25



12" & 15"  
Solid  
H-25  
*Hinged  
Design*



30"  
Solid  
H-25



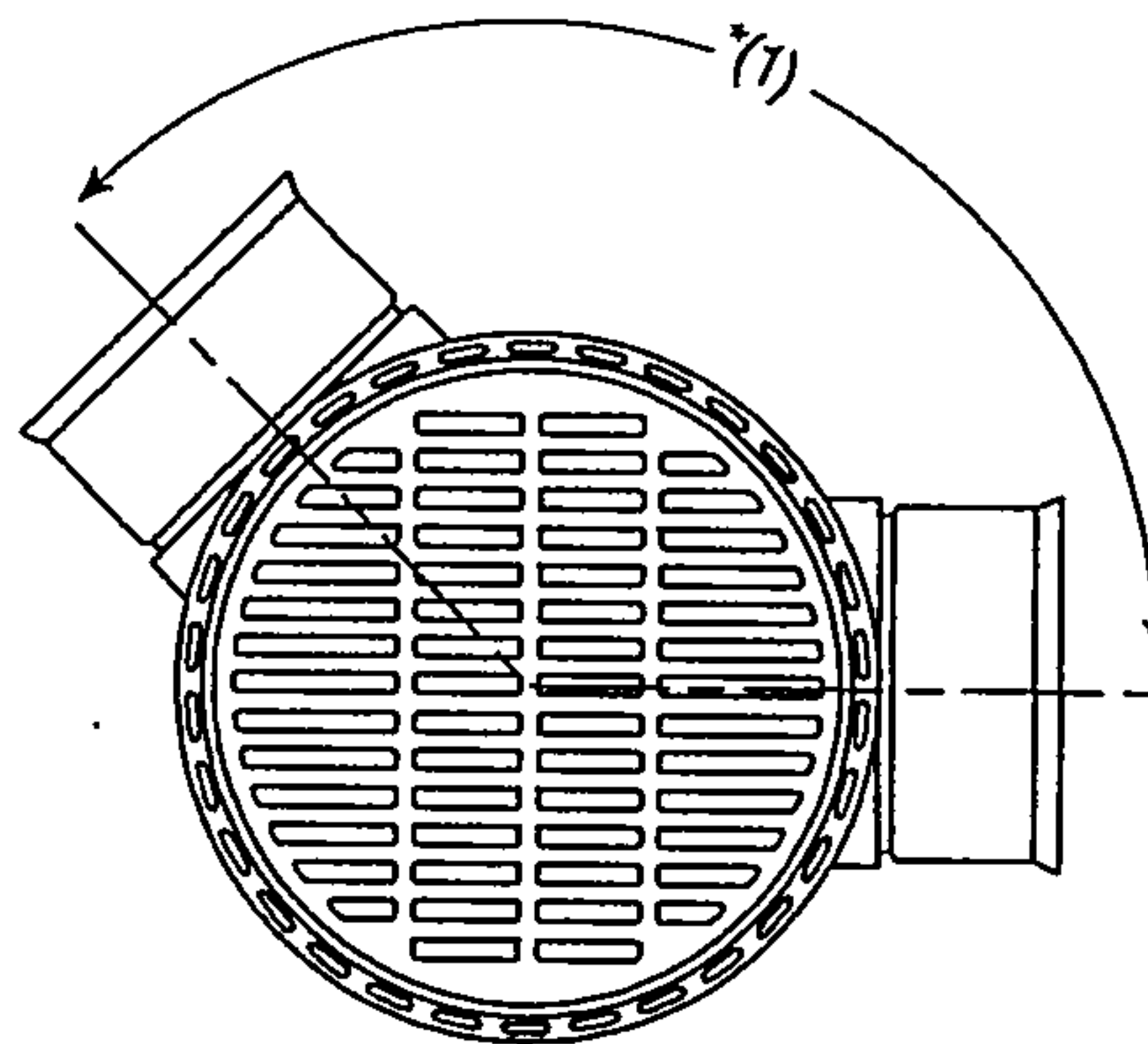
## Drop-In Grates

Our light-duty Drop-In Grates provide easy installation by eliminating the need for a frame and adapt to a variety of commonly used pipes.



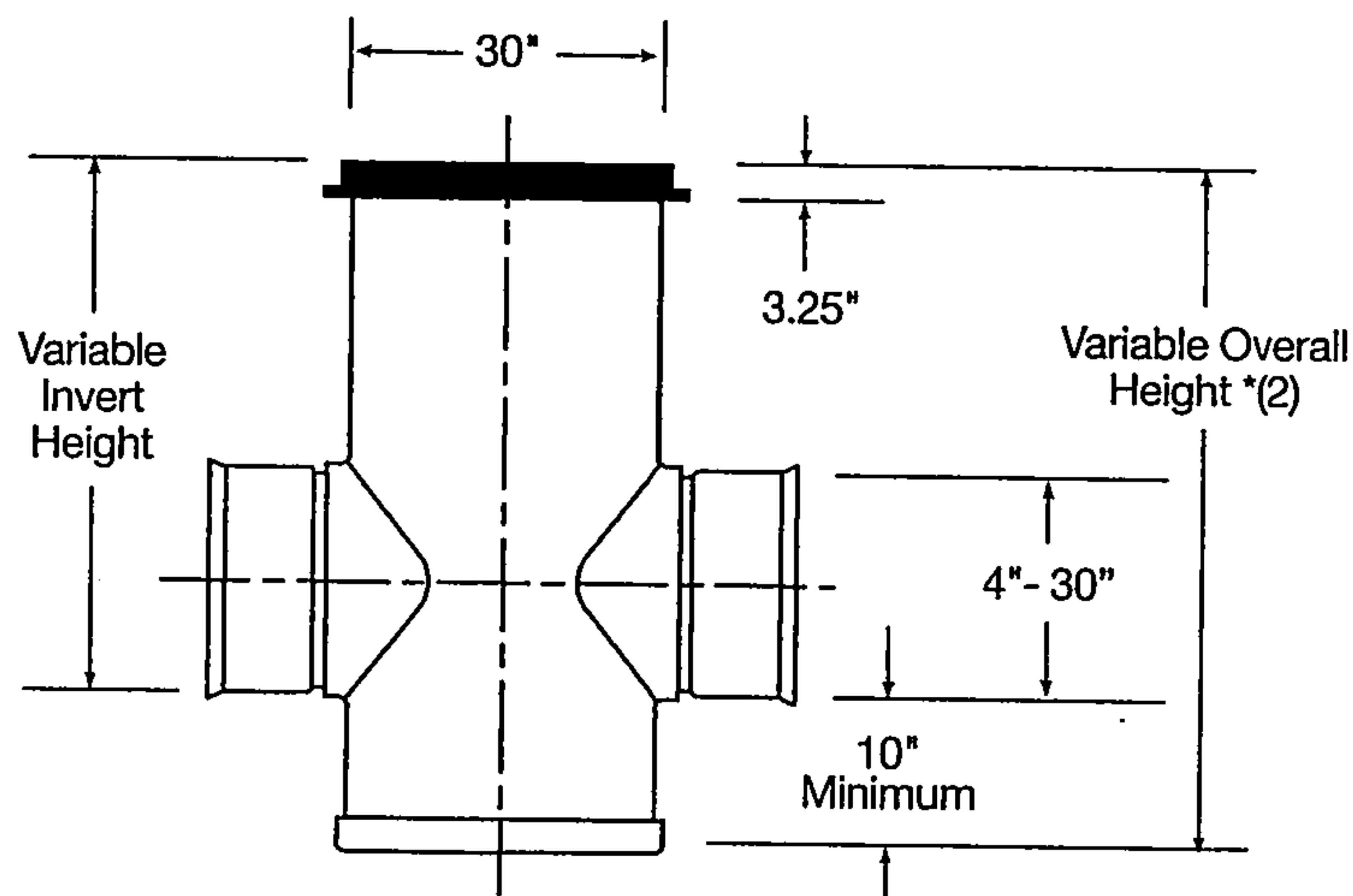
30" Drain Basin

Part#/Prefix	Product Description	Available Outlets
2830AG__X	30" Custom Basin	4" thru 30"



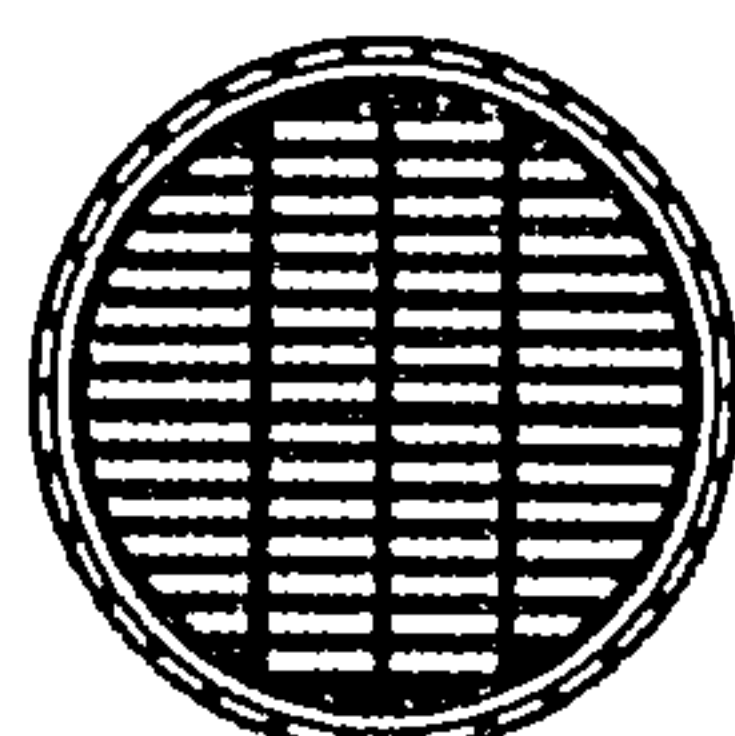
\*(1) Adapters can be mounted on any angle 0° to 359°.

To determine minimum angle between adapters please see chart on page (1).

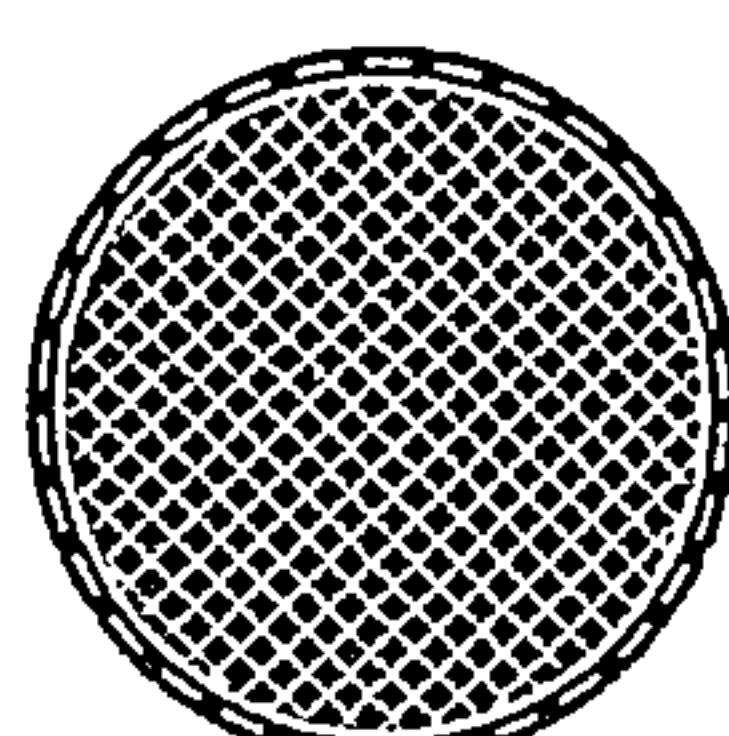


\*(2) Maximum recommended overall height 10'

30" Grate Options



Standard H-25 Rated



Solid

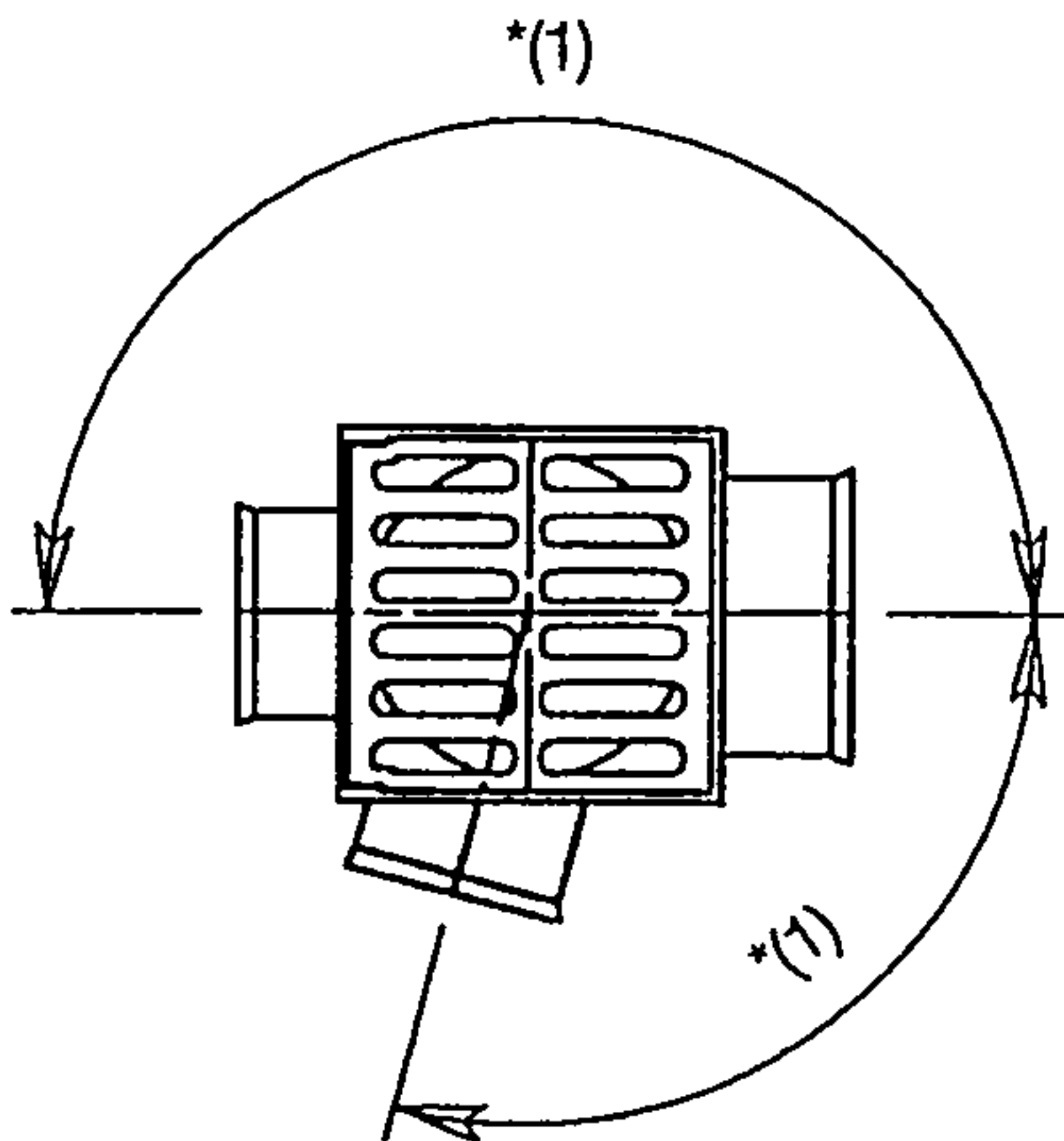


Domed

# 12" & 15" Drain Basins

MH #2

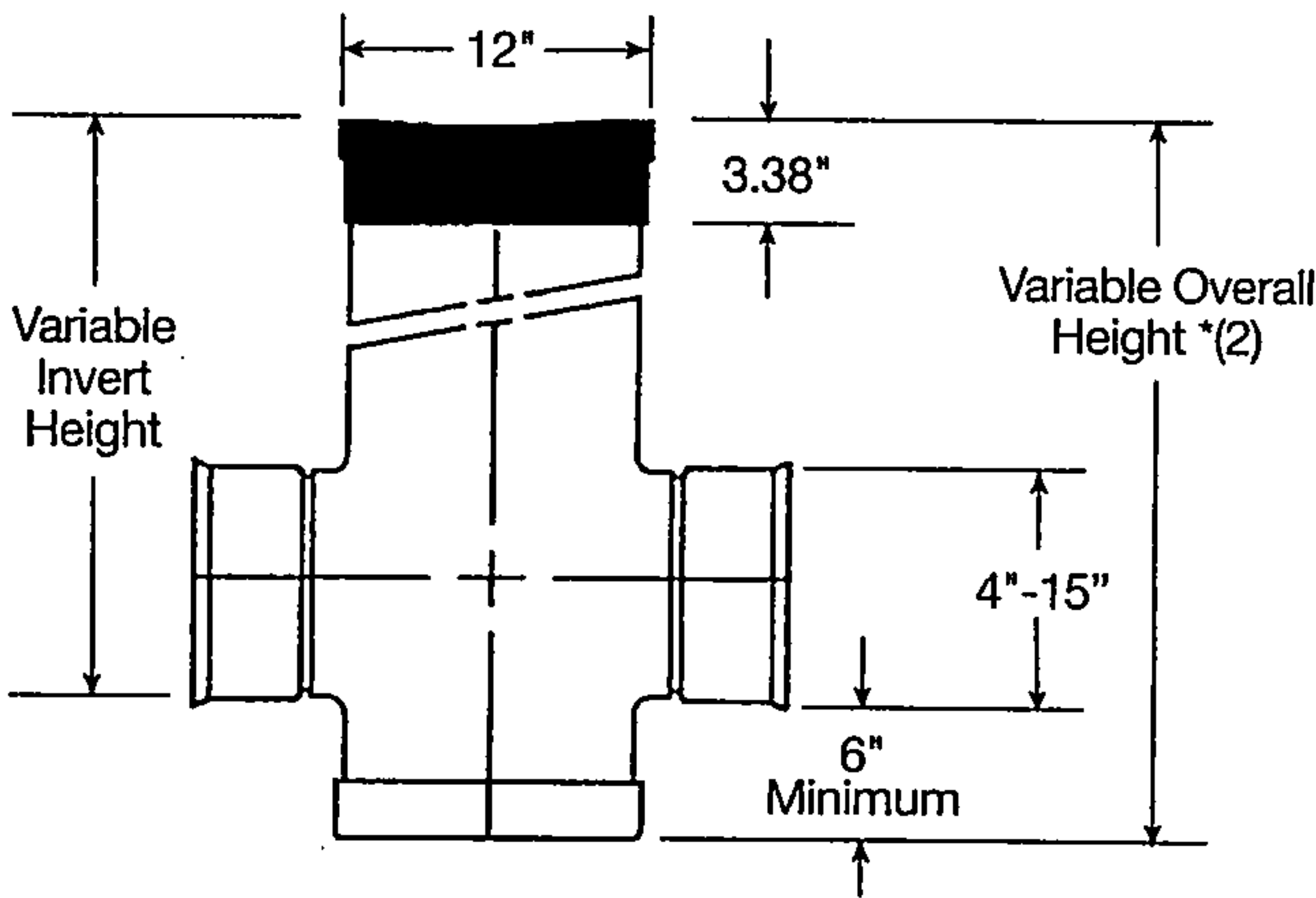
Part#/Prefix	Product Description	Available Outlets
2812AG__X	12" Custom Basin	4" thru 12"
2815AG__X	15" Custom Basin	4" thru 15"



MH #2 (12")  
Inlet = 12"  
Outlet = 12"  
< = 180°

\*(1) Adapters can be mounted on any angle 0° to 359°.

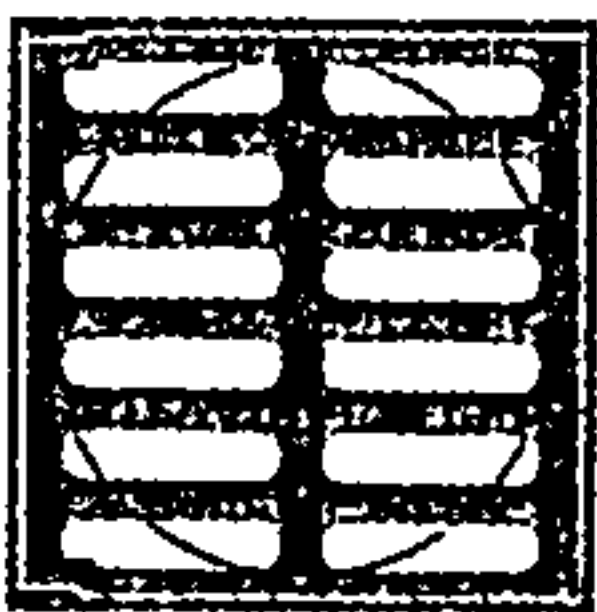
To determine minimum angle between adapters please see chart on page (1).



\*(2) Maximum recommended overall height 10'

## 12" & 15" Grate Options

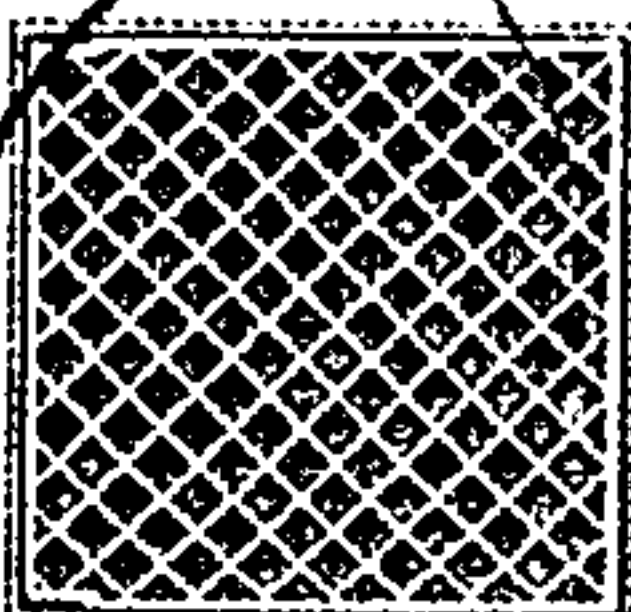
Light Duty Bronze Grate Available (see pg. 22)



Standard H-25 Rated



Pedestrian H-10 Rated



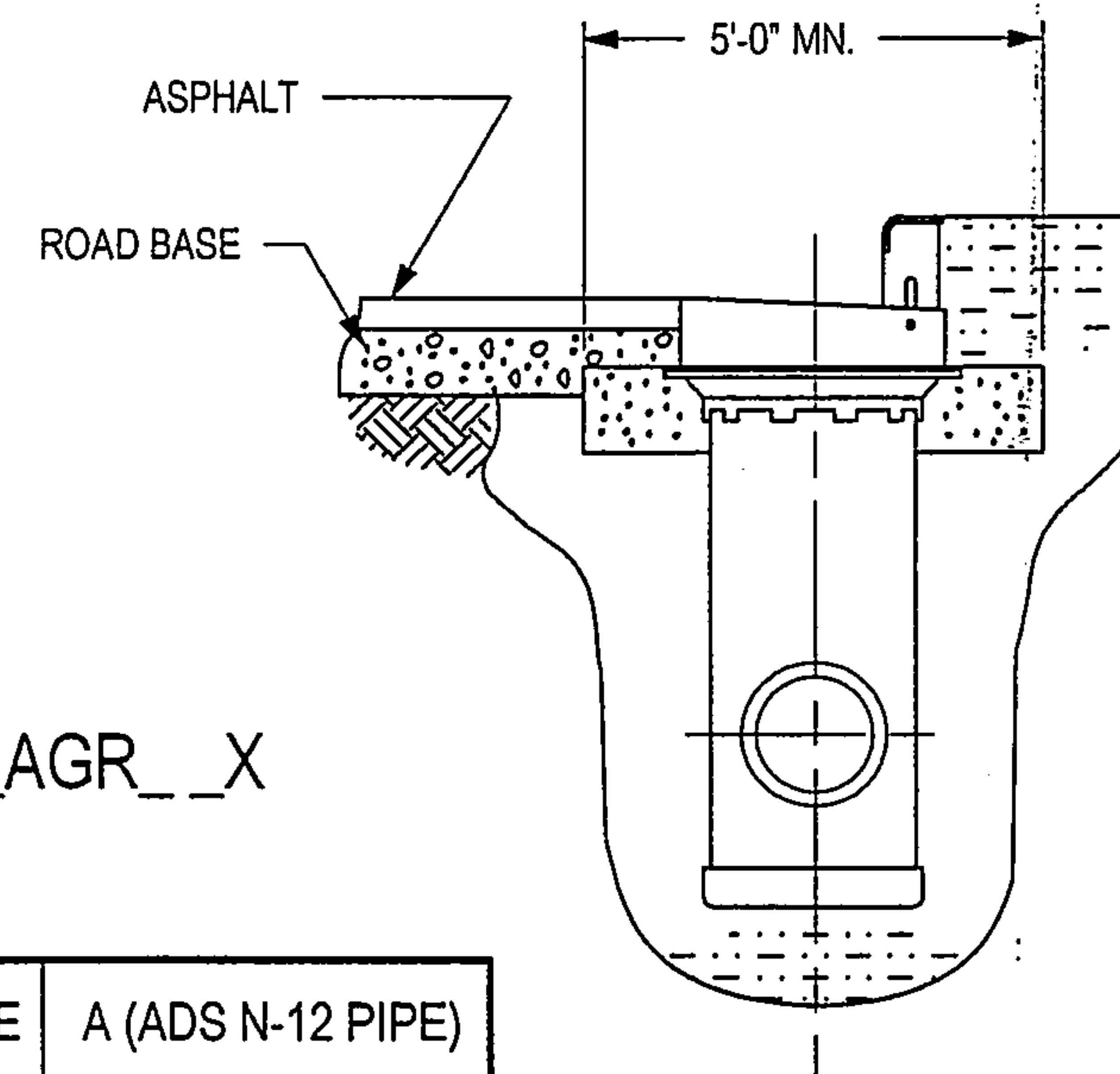
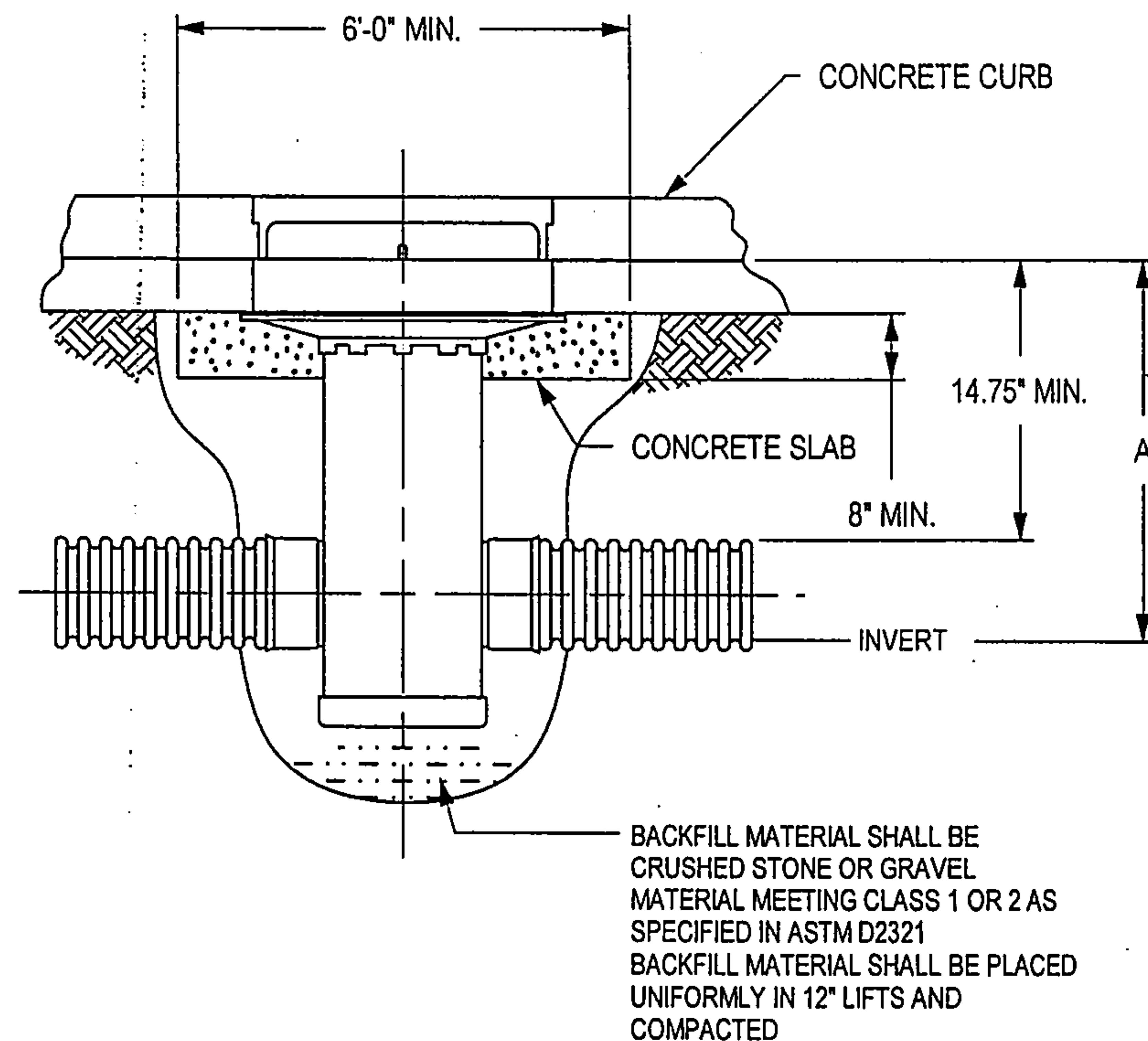
Solid



Domed




Inlets A, B & C

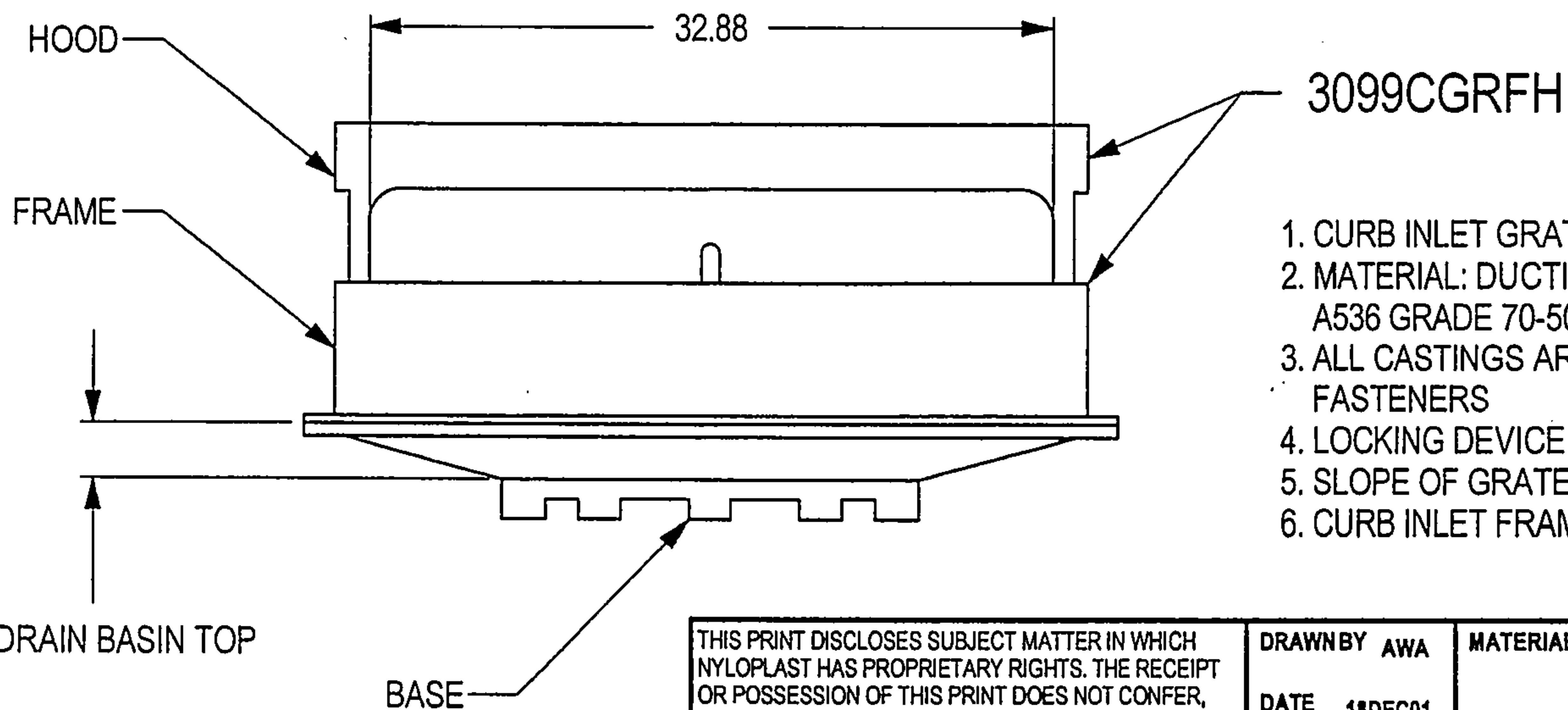
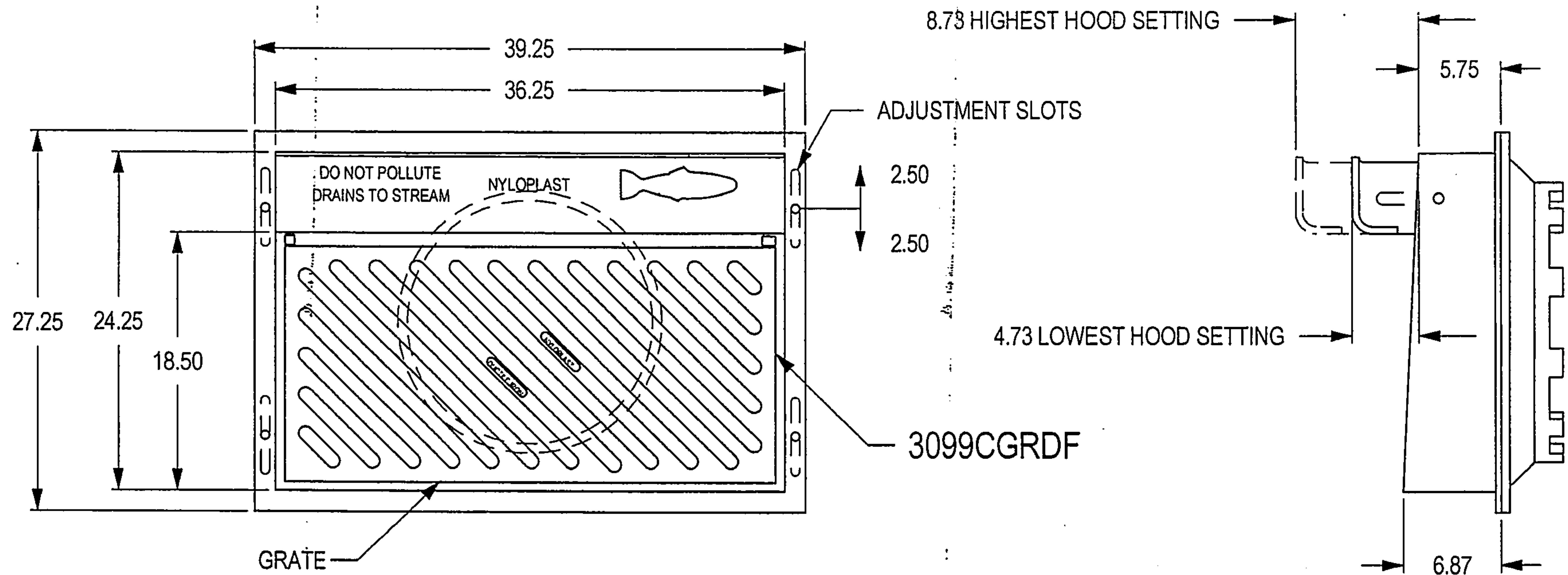


30\_\_AGR\_\_X

PIPE SIZE	A (ADS N-12 PIPE)
4"	20.00"
6"	22.00"
8"	24.00"
10"	26.00"
12"	29.00"
15"	32.00"
18"	35.00"
24"	42.00"
30"	48.00"


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	DATE 18DEC01		
	APPD BY CJA	PROJECT NO./NAME	TITLE 2' X 3' INSTALLATION
	DATE 18DEC01	CURB INLET DRAIN	
	DWG SIZE A	SCALE NTS SHEET 1 OF 1	DWG NO. 7002-110-010 REV A

Inlet A, B & C



1. CURB INLET GRATE FITS DRAIN BASIN SIZES: 18" - 30"
2. MATERIAL: DUCTILE IRON H-25 RATED GRATE CONFORMING TO ASTM A536 GRADE 70-50-05
3. ALL CASTINGS ARE FURNISHED WITH BLACK PAINT AND ZINC PLATED FASTENERS
4. LOCKING DEVICE AVAILABLE UPON REQUEST
5. SLOPE OF GRATE SURFACE IS 2.88%
6. CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT

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DRAWN BY AWA	MATERIAL	 <b>Nyloplast</b> 3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 <a href="http://www.nyloplast-us.com">www.nyloplast-us.com</a>
DATE 18DEC01	DUCTILE IRON	
APPD BY CJA	PROJECT NO./NAME	TITLE
DATE 18DEC01	CURB INLET DRAIN	2' X 3' ASSEMBLY
DWG SIZE A	SCALE 1:12 SHEET 1 OF 1	DWG NO. 7002-110-011 REV A

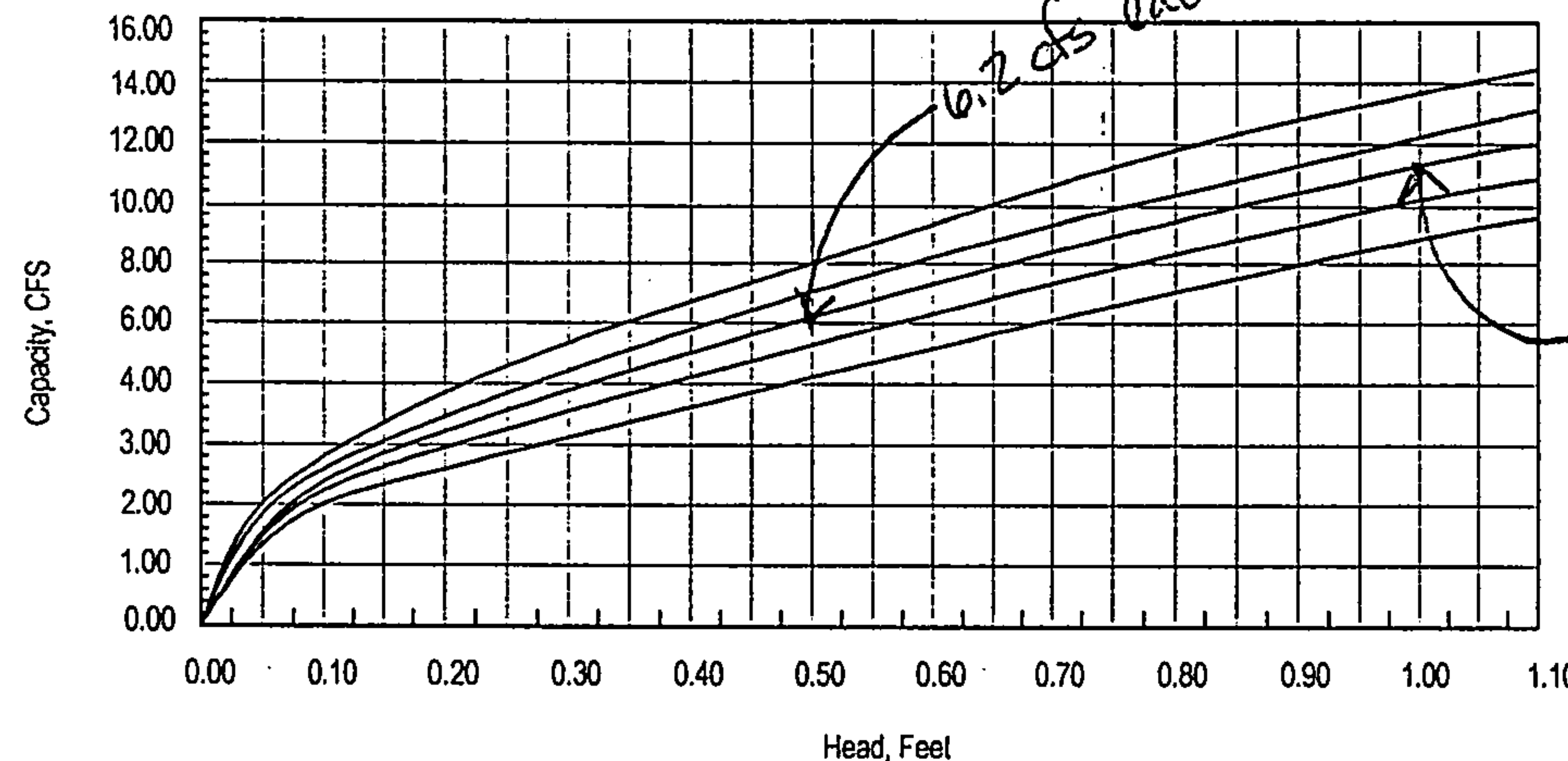


## NyloplastCurb Inlet CapacityChart

This chart is based on equations from the FAA Airport Drainage AC 150/5320-5B, 1970, Page 35. Certain assumptions have been made and no two installations will necessarily perform the same way. Safety factors should change with site conditions such that a safety factor 1.25 should be used for an inlet in pavement, and a safety factor of 2.0 should be used in turf areas.

Basin Outlet Pipe Size	Flow Rate CFS *
4"	0.229
6"	0.662
8"	1.441
10"	2.612
12"	4.152
15"	7.126
18"	12.163
24"	25.821
30"	52.173

### Nyloplast2' X 3' DiagonalCurb Inlet Grate



\* Maximum flow capacity before curb inlet basin begins to backfill. Calculation based on an average pipe slope of 1%.

3099CGRDF

Basin #2 = 7.2 cfs

@ 0.5' head, capacity = 12.4 cfs x 50% closing factor = 6.2 cfs.

@ 1.0' head, capacity = 22.6 cfs x 50% closing factor = 11.3 cfs.

Basin #3 = 1.0 cfs ✓✓

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DRAWN BY AWA

DATE 18DEC01

APPD BY CJA

DATE 18DEC01

DWG SIZE A

MATERIAL

PROJECTNO./NAME

CURB INLET DRAIN

SCALE 1:2 SHEET 1 OF 1

**Nyloplast**

TITLE

2' X 3' DIAGONAL INLET CAPACITY

DWG NO.

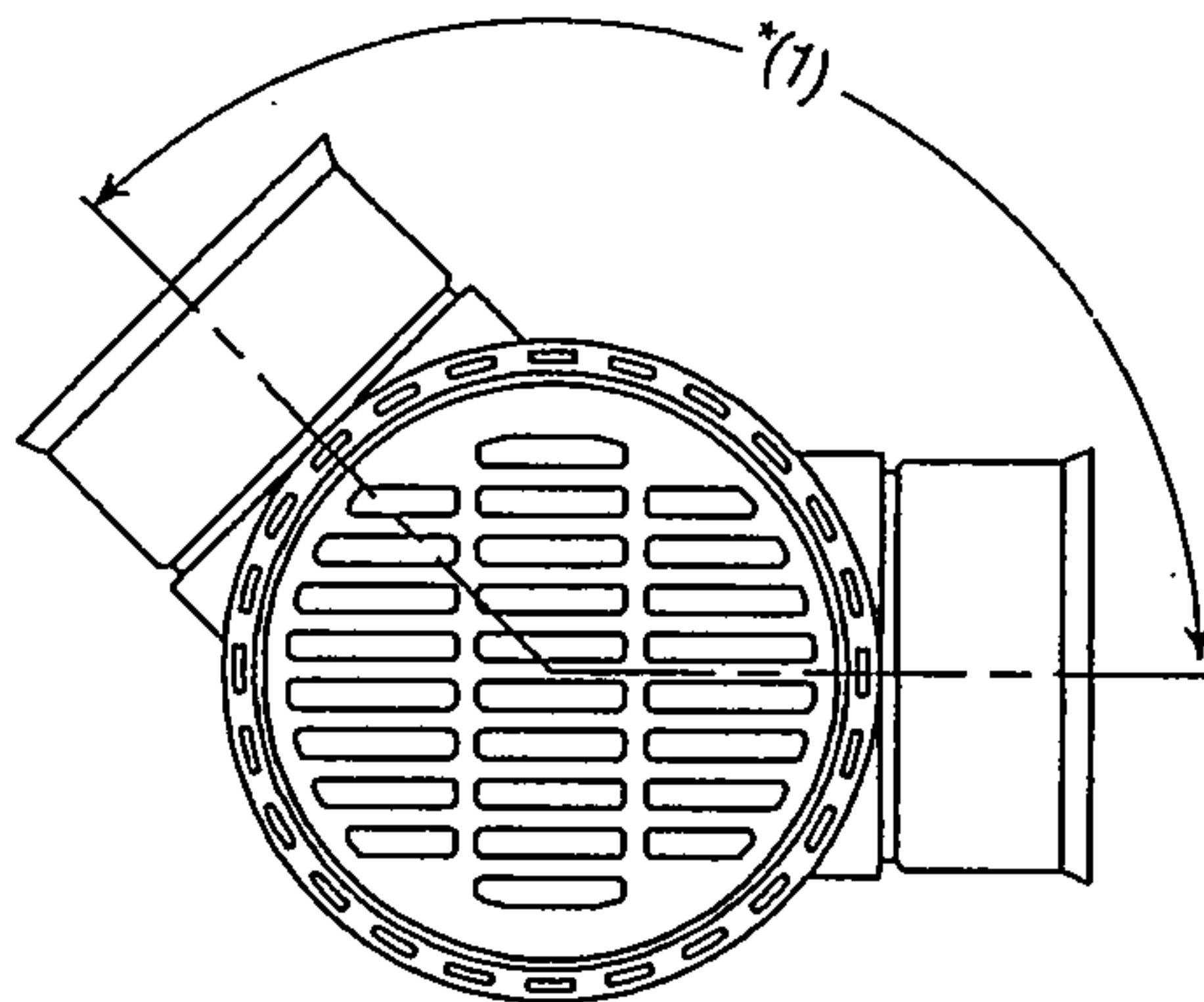
7002-110-017

REV A

3130 VERONA AVE  
BUFORD, GA 30518  
PHN (770) 932-2443  
FAX (770) 932-2490  
www.nyloplast-us.com

# 24" Drain Basins

Part#/Prefix	Product Description	Available Outlets
2824AG__X	24" Custom Basin	4" thru 24"



\*(1) Adapters can be mounted on any angle 0° to 359°.

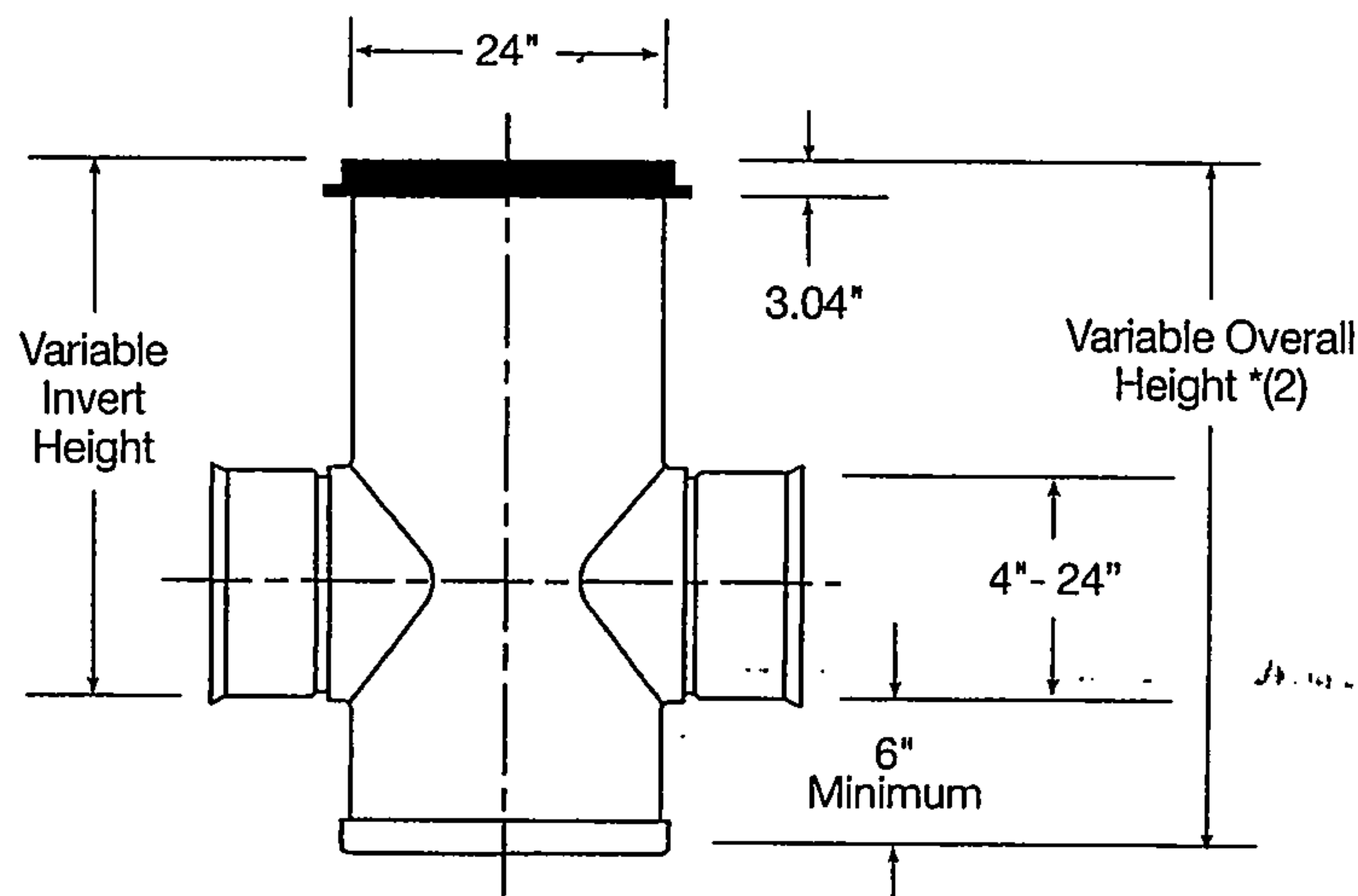
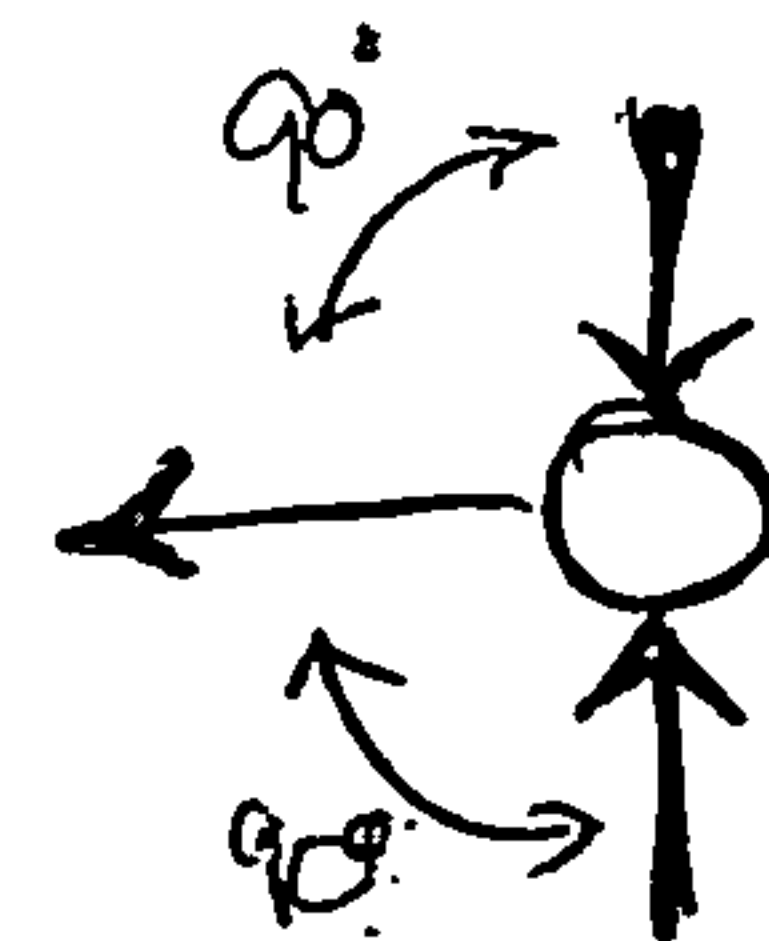
To determine minimum angle between adapters please see chart on page (1).

MH #3 (24")

Inlet #1 = 12"

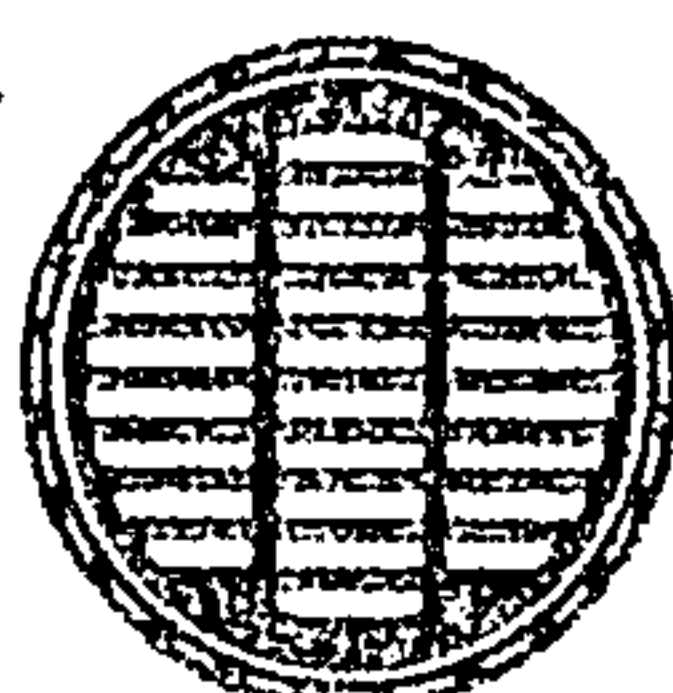
Inlet #2 = 12"

Outlet = 18"

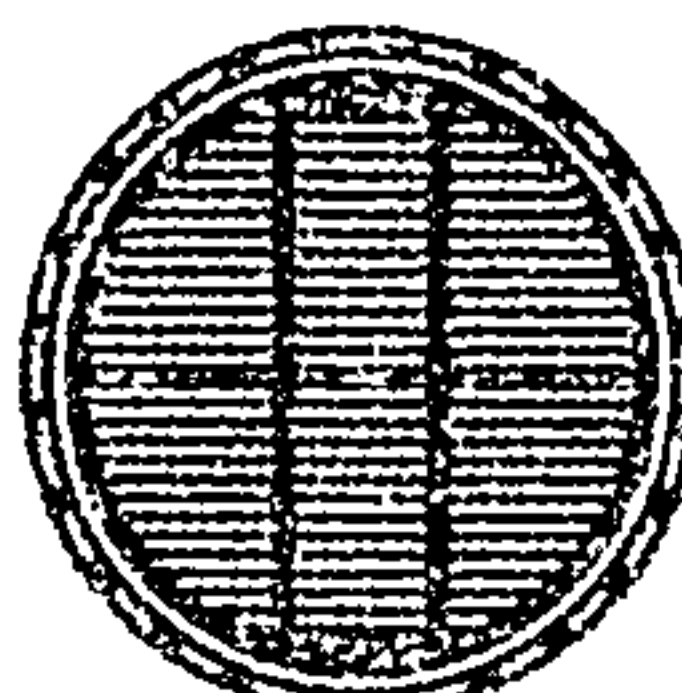


\*(2) Maximum recommended overall height 10'

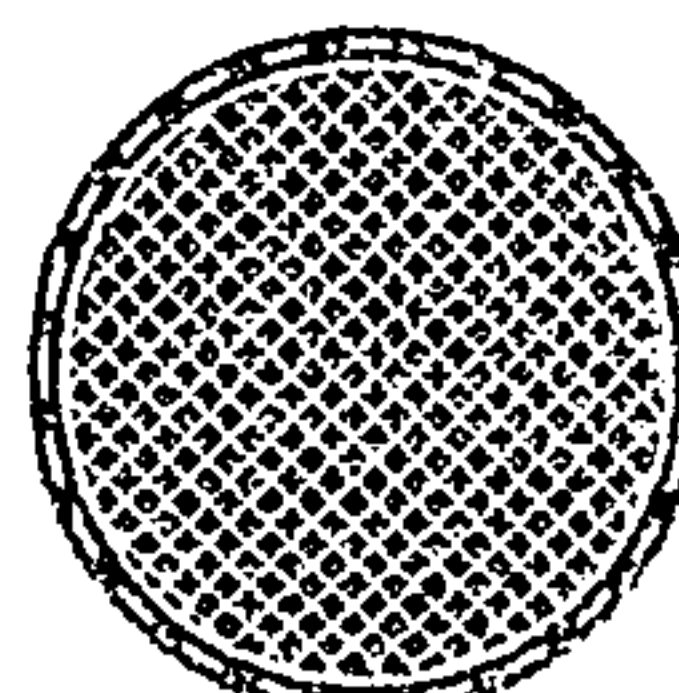
## 24" Grate Options



Standard  
H-25 Rated



Pedestrian  
H-10 Rated



Solid



Domed

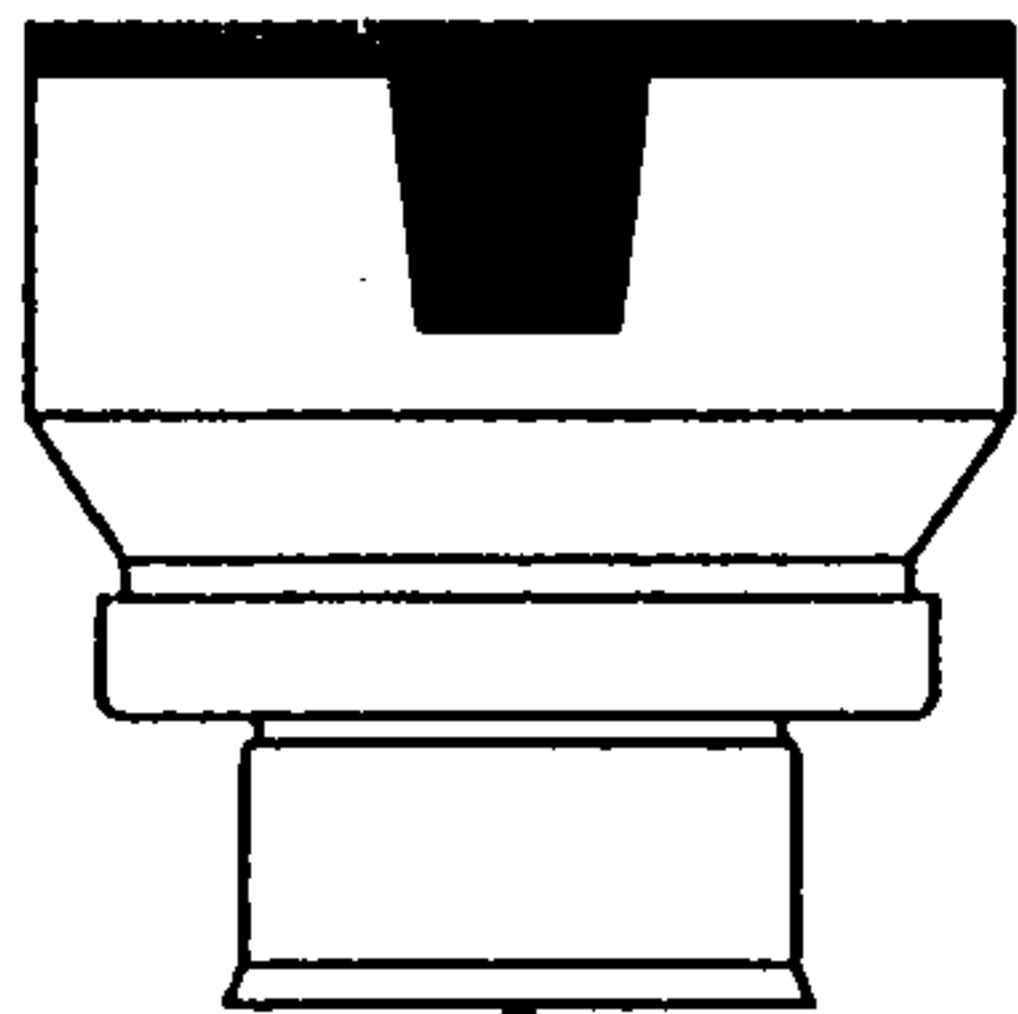


# Nyloplast-ADS Inline Drains

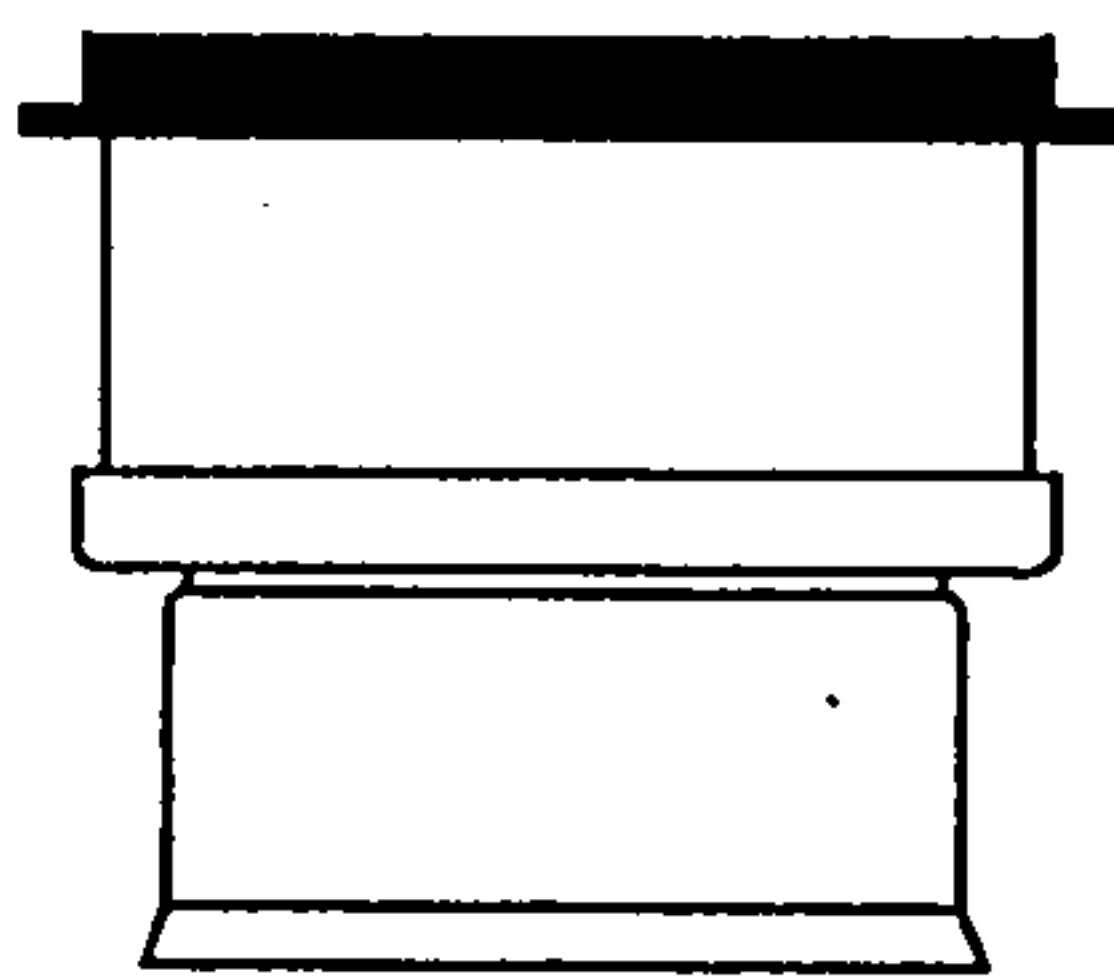


# Nyloplast Grate Options for Drain Basin & Inline Drains (Locking option is available for all grates)

8" & 10" (A)

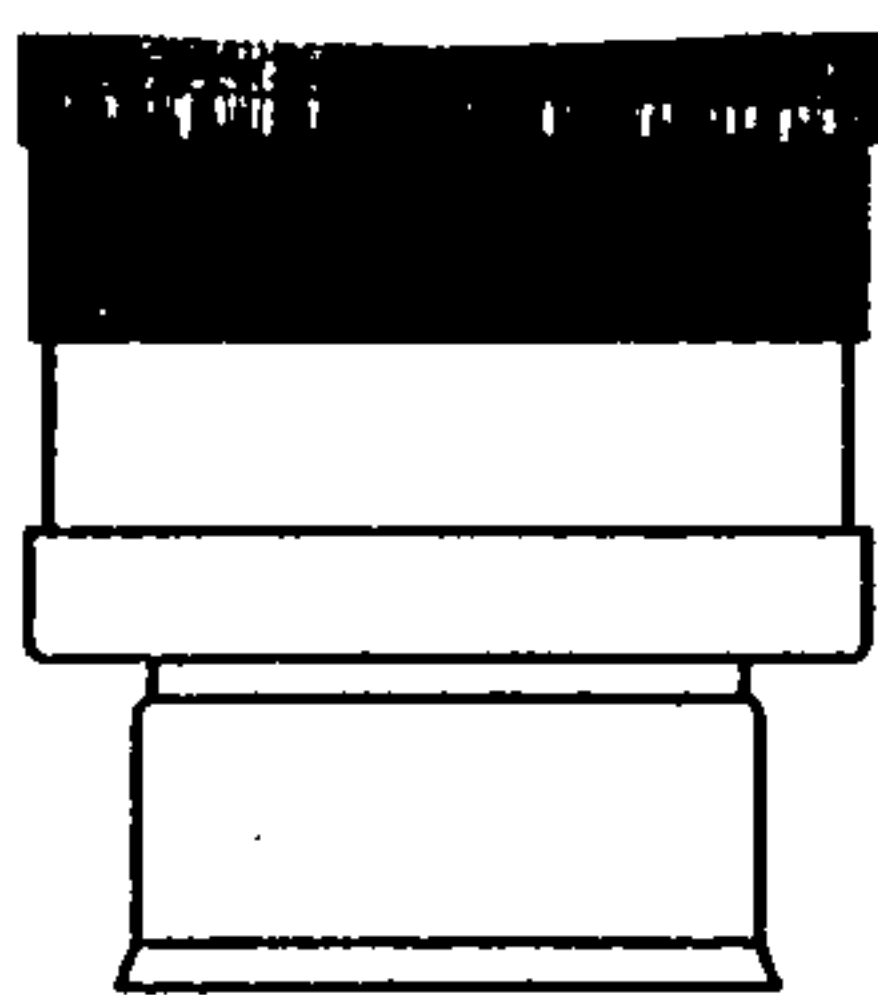


18" & 24" (A)

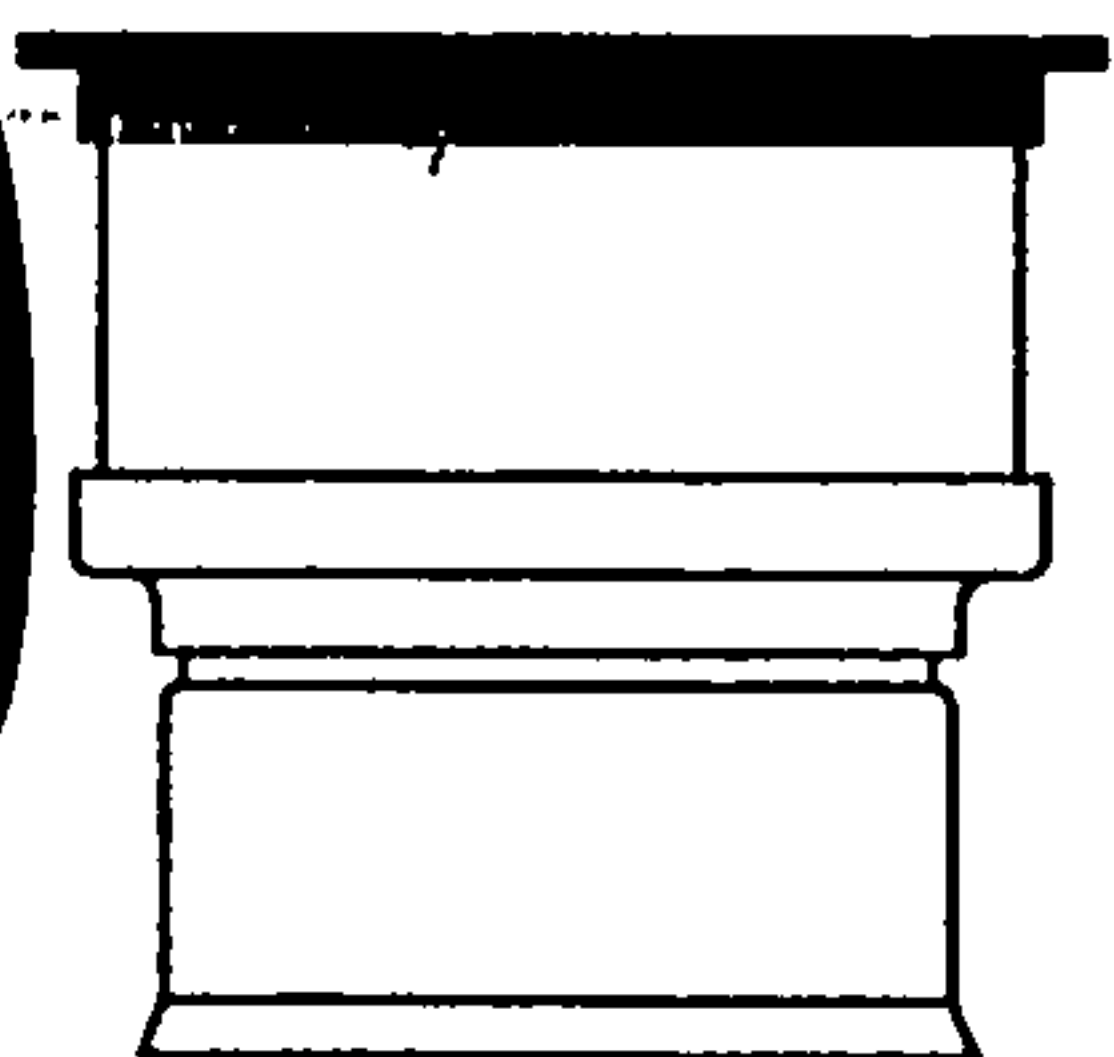


Adapter (B)

12" & 15" (A)



30" (A)

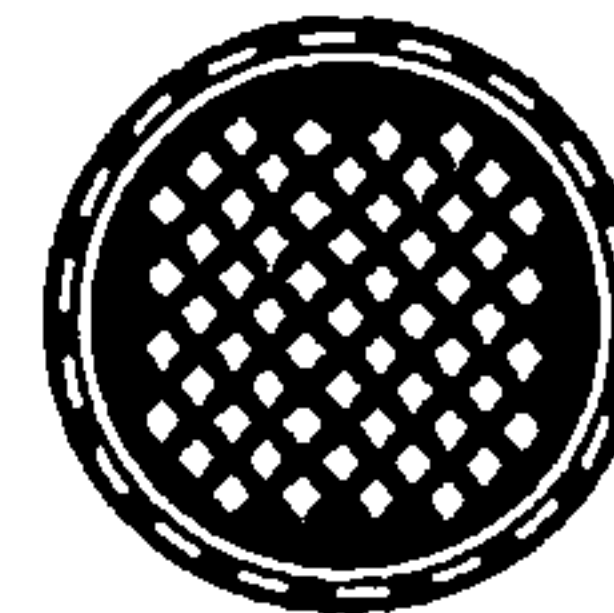


Part #	Drain Basin	Adapts to Pipe Dia.
2708AG	8"	4", 6"
2710AG	10"	4", 6", 8"
2712AG	12"	4", 6", 8", 10", 12"
2715AG	15"	4", 6", 8", 10", 12", 15"
2718AG	18"	4", 6", 8", 10", 12", 15", 18"
2724AG	24"	4", 6", 8", 10", 12", 15", 18", 24"
2730AG	30"	4", 6", 8", 10", 12", 15", 18", 24", 30"

3-7 day lead times are required for product delivery.



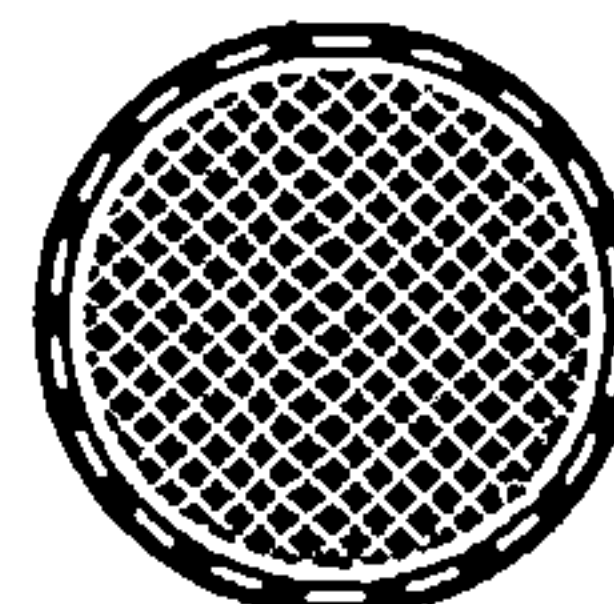
*Vertical*  
*110°*  
Dome  
Light-Duty  
8" - 0899CGD  
10" - 1099CGD  
*12" Hinged*  
*30"*



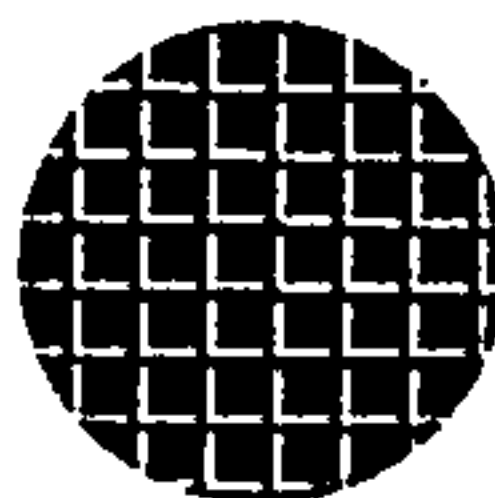
Standard  
H-25  
18" - 1899CGS



Standard  
Light-Duty  
8" - 0899CGS  
10" - 1099CGS  
Light-Duty Bronze  
8" - 0899CGB  
10" - 1099CGB



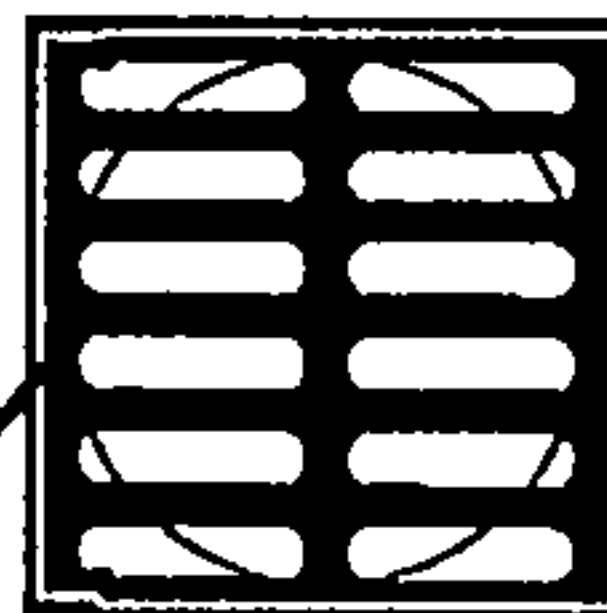
Solid  
H-25  
18" - 1899CGS  
25" - 2499CGS



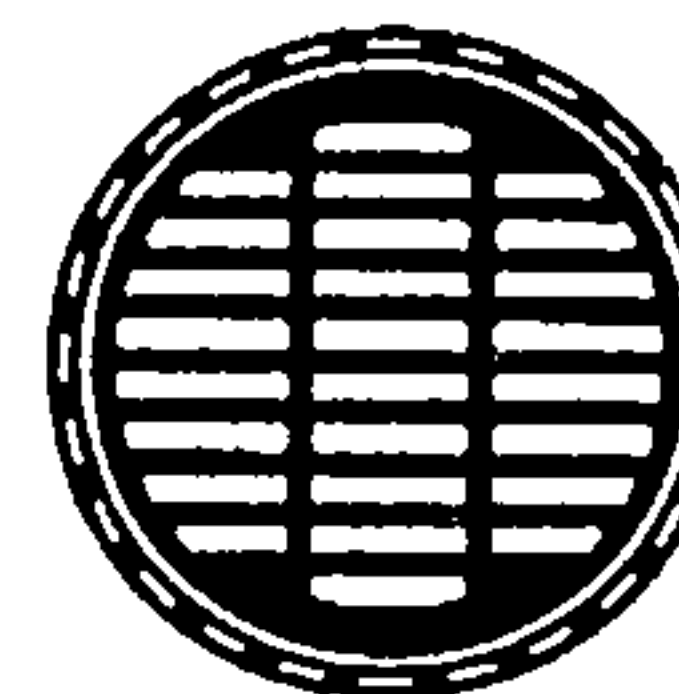
Solid  
Light-Duty  
8" - 0899CGC  
10" - 1099CGC



Pedestrian  
H-10  
18" - 1899CGP



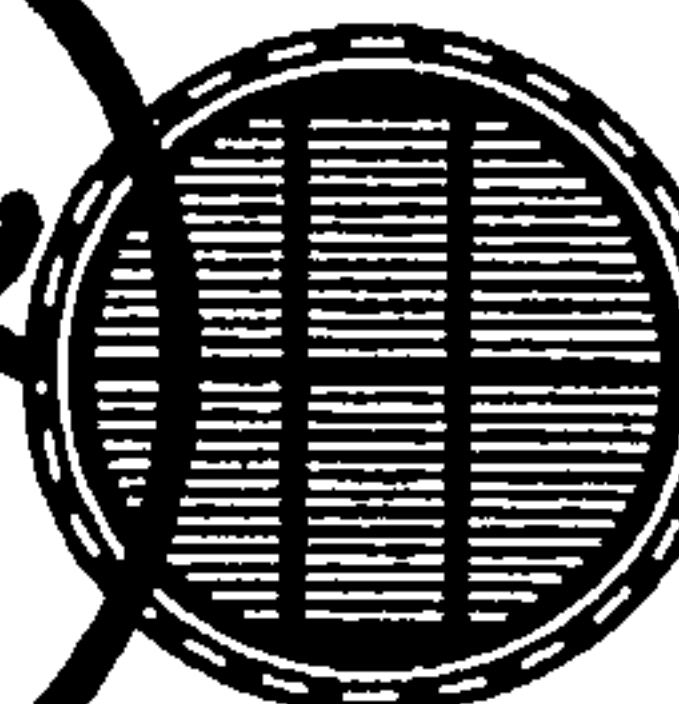
Standard  
H-25  
12" - 1299CGS  
15" - 1599CGS  
Hinged Design



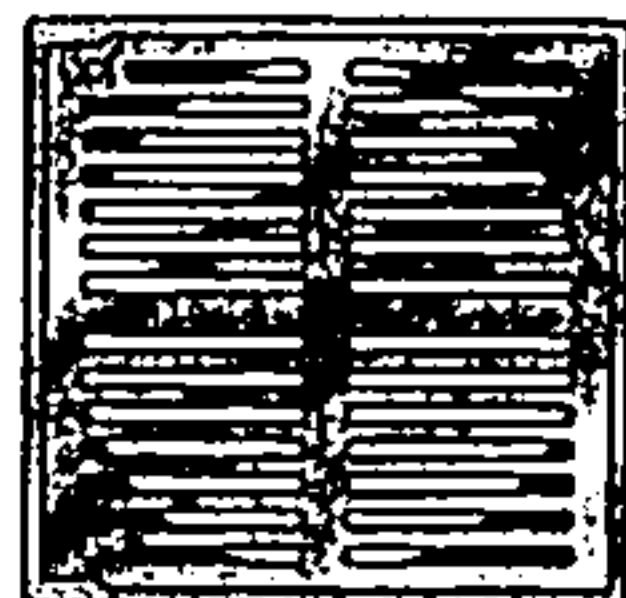
Standard  
H-25  
24" - 2499CGS



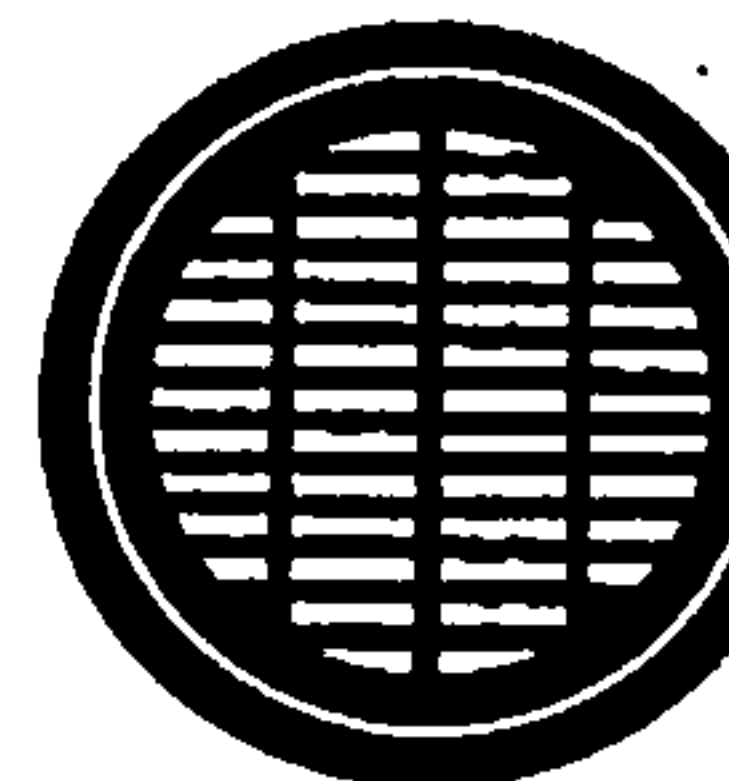
Pedestrian  
H-10  
12" - 1299CGP  
15" - 1599CGP  
Hinged Design



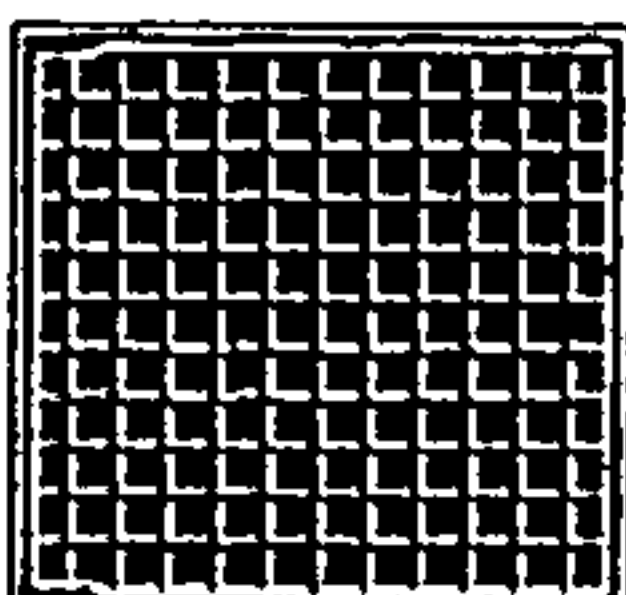
Pedestrian  
H-10  
24" - 2499CGP



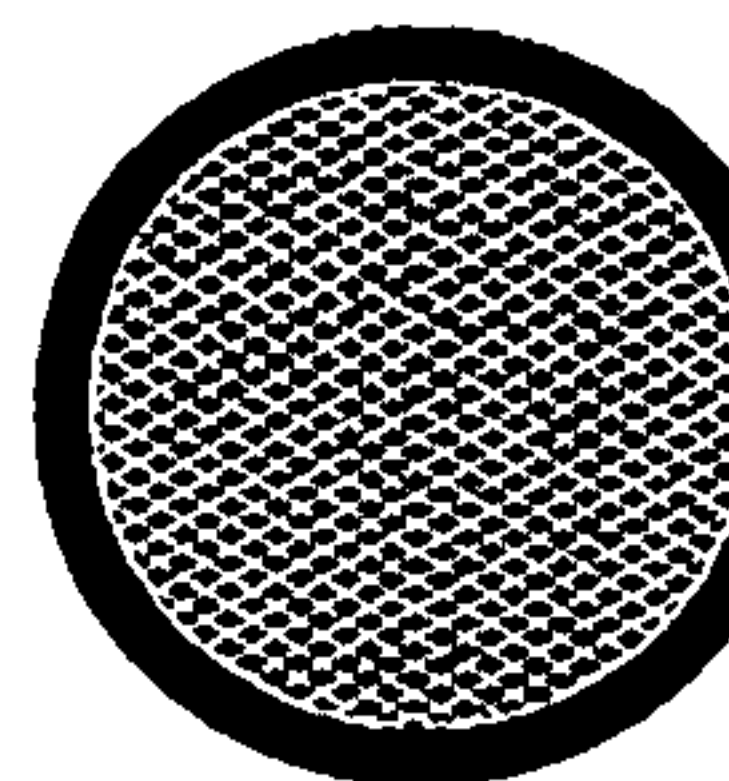
Bronze  
Pedestrian  
Light-Duty  
12" - 1299CGPB  
15" - 1599CGPB



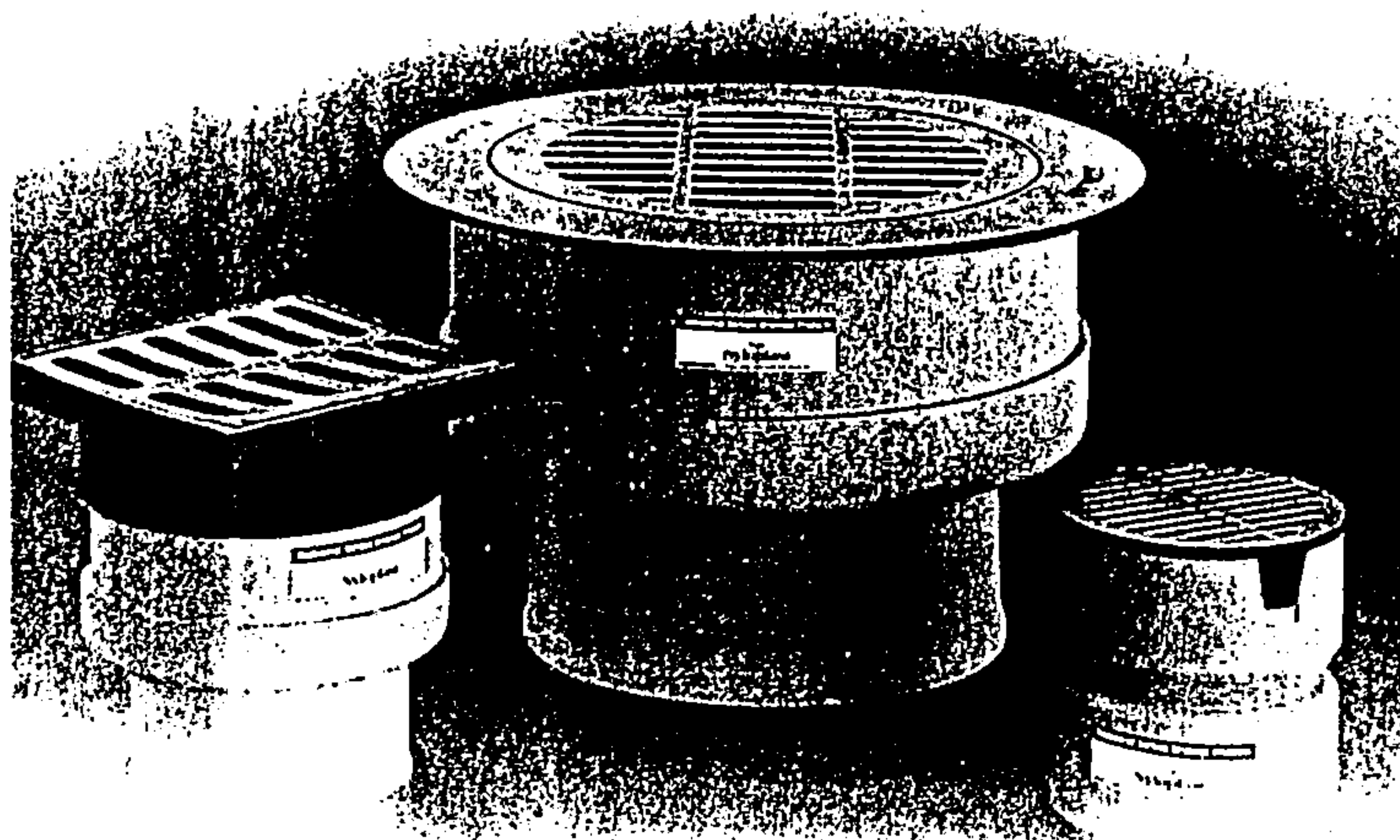
Standard  
H-25  
30" - 3099CGS



Solid  
H-25  
12" - 1299CGC  
15" - 1599CGC  
Hinged Design



Solid  
H-25  
30" - 3099CGC





18" diameter storm drain  
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1410.fm2
Worksheet	18" Storm Drain
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data	
Mannings Coefficient	0.009
Channel Slope	0.006700 ft/ft
Depth	1.50 ft
Diameter	18.00 in

Results	
Discharge	12.42 cfs
Flow Area	1.77 ft <sup>2</sup>
Wetted Perimeter	4.71 ft
Top Width	0.37e-7 ft
Critical Depth	1.33 ft
Percent Full	100.00
Critical Slope	0.005977 ft/ft
Velocity	7.03 ft/s
Velocity Head	0.77 ft
Specific Energy	2.27 ft
Froude Number	0.18e-3
Maximum Discharge	13.36 cfs
Full Flow Capacity	12.42 cfs
Full Flow Slope	0.006700 ft/ft
Flow is subcritical.	

BASIN #2 = 7.2 cfs < 12.42 cfs ✓✓



~~24"~~ 24" diameter storm drain  
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\1410.fm2
Worksheet	24" Storm Drain
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Discharge

Input Data	
Mannings Coefficient	0.009
Channel Slope	0.006700 ft/ft
Depth	2.00 ft
Diameter	24.00 in

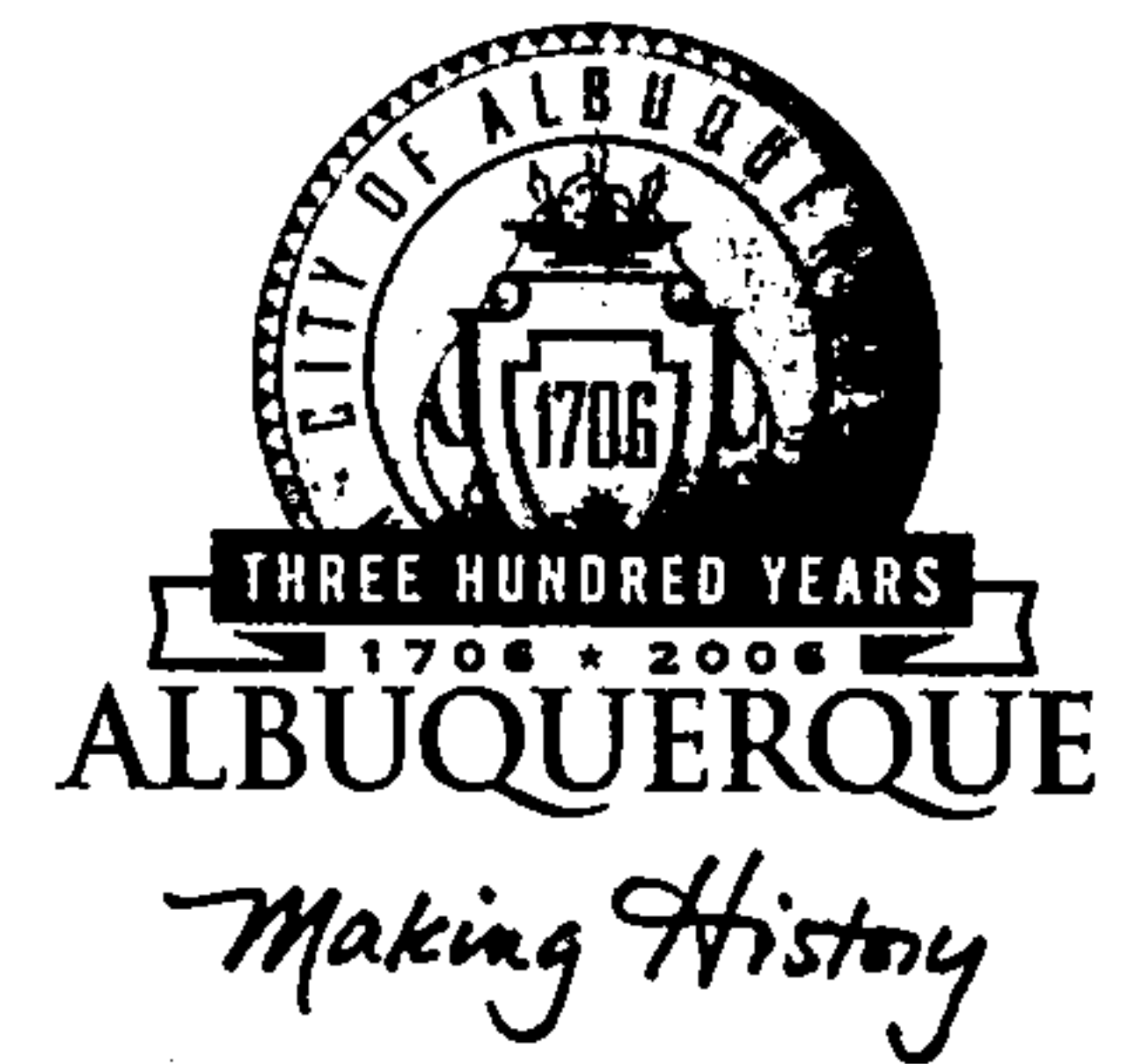
Results	
Discharge	26.75 cfs
Flow Area	3.14 ft <sup>2</sup>
Wetted Perimeter	6.28 ft
Top Width	0.00 ft
Critical Depth	1.80 ft
Percent Full	100.00
Critical Slope	0.005891 ft/ft
Velocity	8.51 ft/s
Velocity Head	1.13 ft
Specific Energy	FULL ft
Froude Number	FULL
Maximum Discharge	28.77 cfs
Full Flow Capacity	26.75 cfs
Full Flow Slope	0.006700 ft/ft

Basin #1 = 17.1 cfs  
 Basin #2 = 7.2 cfs  


---

 24.3 cfs < 26.75 cfs ✓✓

# CITY OF ALBUQUERQUE



January <sup>25</sup>26, 2005

Scott McGee, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. NE  
Albuquerque, NM 87108

**Re: Women's Hospital of New Mexico Emergency Room Addition, 4701  
Montgomery Blvd NE, Grading and Drainage Plan  
Engineer's Stamp dated 1-18-05 (F17-D10)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 1-18-05, 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. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

P.O. Box 1293

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

New Mexico 87103

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro  
Engineering Associate, Planning Dept.  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: Charles Caruso, DMD Storm Drainage Design  
File



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Women's Hospital of NM – Parking Lot Remodel

ZONE MAP / DRG. FILE #: F-17 / D10

DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: A portion of Tract M-1, University Heights Hospital, City of Albuquerque

CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Isaacson & Arfman, P.A.

ADDRESS: 128 Monroe St. NE

CITY, STATE: Albuquerque, NM

CONTACT: Bryan Bobrick

PHONE: 268-8828

ZIP CODE: 87108

OWNER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

ARCHITECT: Gregory T. Hicks and Assoc.

ADDRESS: 112 Second St. SW

CITY, STATE: Albuquerque, New Mexico

CONTACT: Marie Holloway

PHONE: 243-7492

ZIP CODE: 87102

SURVEYOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: Albuquerque, New Mexico

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

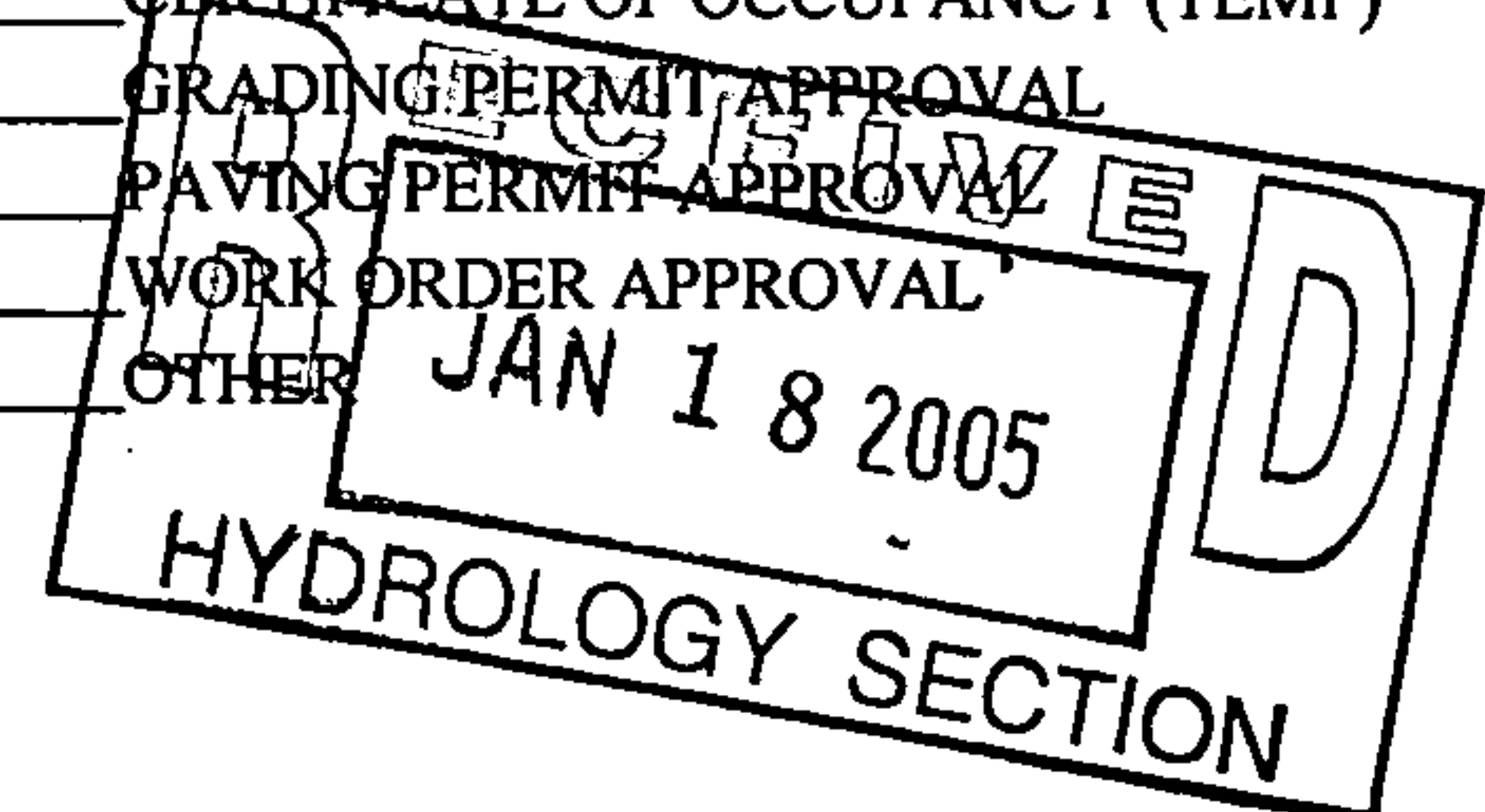
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1<sup>ST</sup> *REQUIRES TCL or equal*  
☒ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR / LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERTIFICATION (TCL)  
☐ ENGINEER'S CERTIFICATION (DRB APPR, SITE PLAN)  
☐ OTHER

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

## 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 APPR.  
☐ 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



DATE SUBMITTED: Monday, January 17, 2005

BY: Isaacson & Arfman, P.A.

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 acres and Sector Plans
2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five acres
3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five acres or more.



**ISAACSON & ARFMAN, P.A.**

**Consulting Engineering Associates**

*Thomas O. Isaacson, PE & LS • Fred C. Arfman, PE  
Scott M. McGee, PE*

January 17, 2005

Bradley L. Bingham, P.E. / Kristal Metro  
City of Albuquerque – Hydrology Section  
P.O. Box 1293  
Albuquerque, New Mexico 87103

RE: WOMEN'S HOSPITAL OF NEW MEXICO  
PARKING LOT REMODEL PHASE 1 – (F17-D10)

Dear Brad and Kristal,

Per our phone conversation last week, this is a resubmittal of the Drainage and Grading Plan for the 'Women's Hospital of New Mexico Parking Lot Remodel' – Engineer's Stamp Dated 11-18-04 and approved 12-22-04.

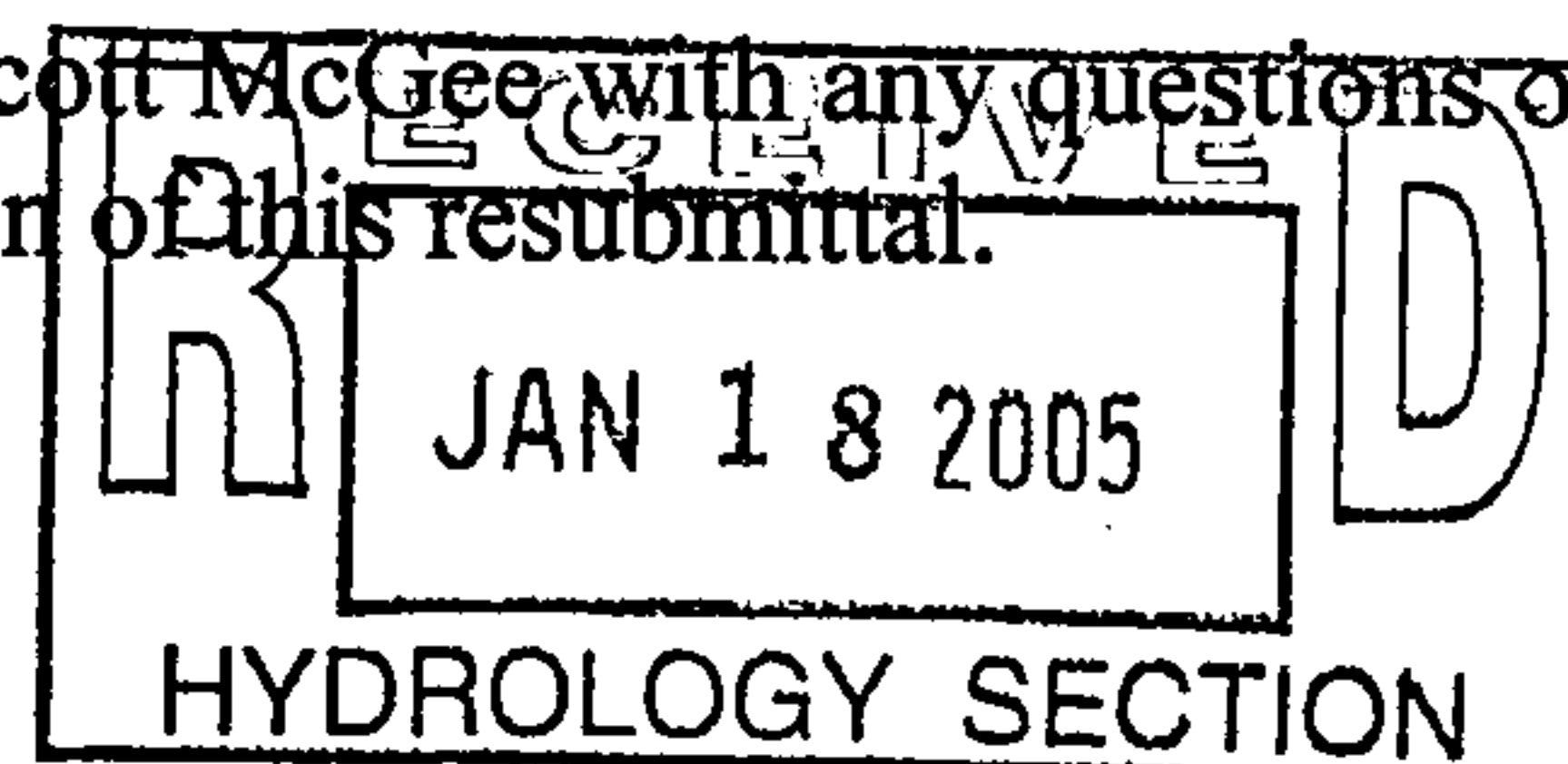
The revisions to this plan are as follows – (see clouded area on attached revised plans):

- 9/2001  
7/2004
1. The addition of approx. 4,500 sf Emergency Room building addition. This replaces treatment 'C' gravel landscaping and represents a minor change in Historic / Developed calculations. Proposed roof flow will be piped through the proposed adjacent concrete walk directly into the asphalt paved parking.
  2. The Phase I pond expansion was designed to accommodate this phase as well as future phases of development with an increased volume of approx. 11,000 cf. The 2,200± cf increase in discharge volume of this phase during the 100-year 6-hour storm event will utilize only 20% of the overall increase.

Please don't hesitate to call me at 266-3444 or Scott McGee with any questions or comments. Thanks very much for your expedition of this resubmittal.

Sincerely,

  
Bryan J. Bobrick  
Project Manager





# CITY OF ALBUQUERQUE



October 30, 2006

Jeffrey Todd Wooten, P.E.  
Wooten Engineering, LTD.  
5017 Sanbusco Dr. NE  
Rio Rancho, NM 87144

Re: Women's Hospital of New Mexico, Engineer's Stamp dated 10-20-06??  
4701 Montgomery NE Building Addition (F17/D10)

Dear Mr. Walla,

Based on the information contained in your submittal received on October 18, 2006, there is one (1) additional item that must be addressed prior to Building Permit approval. The general note referencing the City of Rio Rancho Standard Specifications must be replaced with a reference to the City of Albuquerque Standard Specifications for Public Works Construction.

If you have any questions or need additional information, feel free to contact me at 924-3990.

Sincerely,

Albuquerque

New Mexico 87103

Jeremy Hoover, P.E.  
Senior Engineer  
Hydrology Section  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

cc: file (F17/D10)

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

\*\*\*  
\*\*\*  
\*\*\*

PROJECT TITLE: Women's Hospital of New Mexico Addin ZONE MAP/DRG. FILE # F-17/D10  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract M-1, University Heights Hospital  
CITY ADDRESS: 4701 Montgomery Blvd

ENGINEERING FIRM: Wooten Engineering CONTACT: Jeff Wooten  
ADDRESS: 5017 Sanbusco Dr NE PHONE: (505) 771-8038  
CITY, STATE: Rio Rancho, NM ZIP CODE: 87144

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: KGA Architects CONTACT: Bill Santiana  
ADDRESS: 214 Truman St PHONE: 255-4975  
CITY, STATE: Albuquerque ZIP CODE: 87108

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ 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

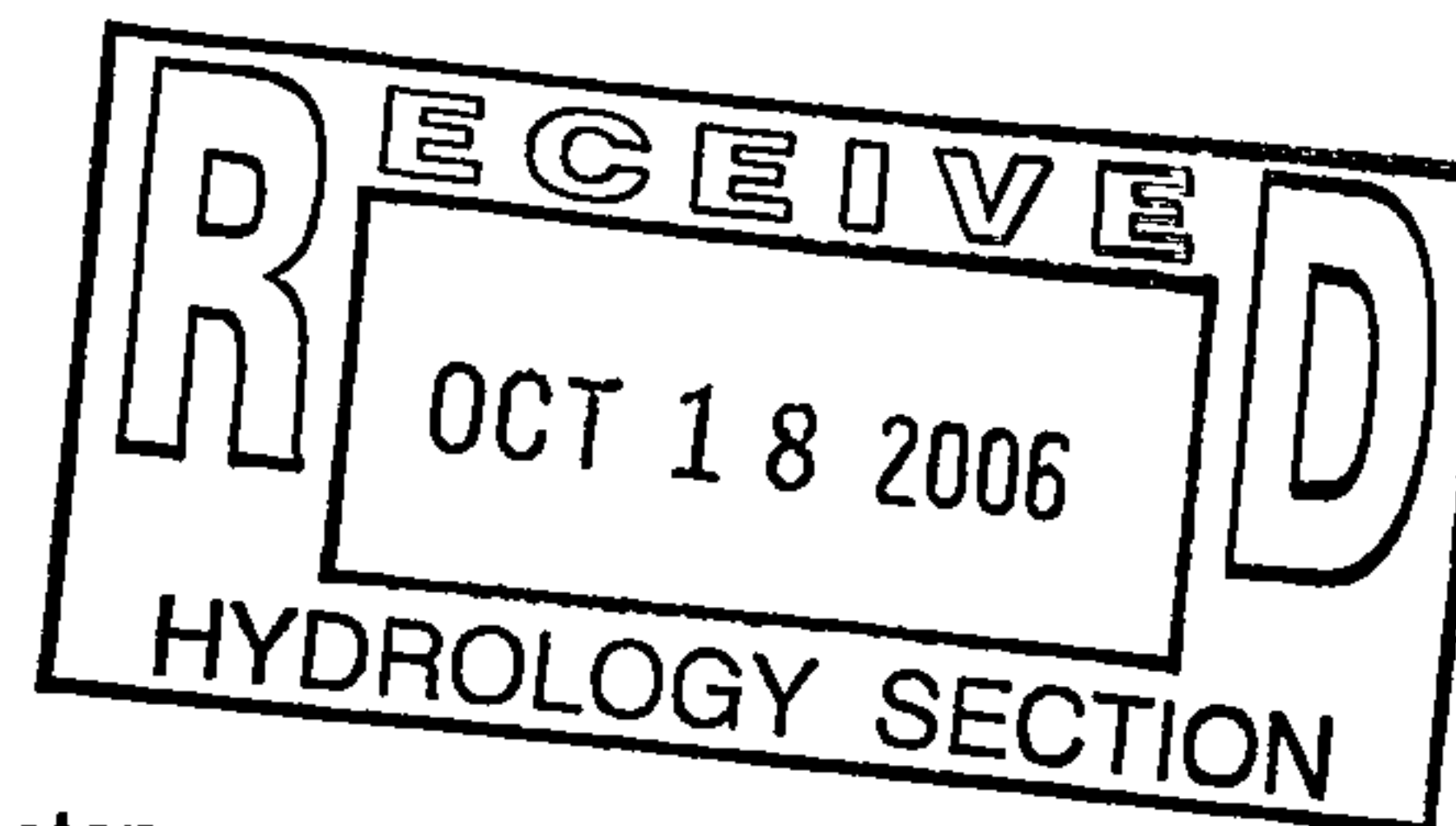
*Fee paid*

## 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: October 18, 2006 BY: Jeff Wooten

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 (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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



Find File,  
File for  
Review

# CITY OF ALBUQUERQUE



November 8, 2006

Jeffrey Todd Wooten, P.E.  
Wooten Engineering, LTD.  
5017 Sanbusco Dr. NE  
Rio Rancho, NM 87144

Re: Women's Hospital of New Mexico, Engineer's Stamp dated 11-1-06  
4701 Montgomery NE Building Addition (F17/D10)

Dear Mr. Wooten,

Based on the information contained in the above referenced submittal, there is still one (1) additional item that must be addressed prior to Building Permit approval. The general note referencing the City of Rio Rancho Standard Specifications must be replaced with a reference to the City of Albuquerque Standard Specifications for Public Works Construction.

If you have any questions or need additional information, feel free to contact me at 924-3990.

P.O. Box 1293

Sincerely,

Albuquerque

New Mexico 87103

Jeremy Hoover, P.E.  
Senior Engineer  
Hydrology Section  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

cc: file (F17/D10)



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

PROJECT TITLE: Women's Hospital of New Mexico - Addition ZONE MAP/DRG. FILE # F-17/D10  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract M-1, University Heights Hospital  
CITY ADDRESS: 4701 Montgomery Blvd

ENGINEERING FIRM: Wooten Engineering CONTACT: Jeff Wooten  
ADDRESS: 5017 Sanbusco Dr NE PHONE: (505) 771-8038  
CITY, STATE: Rio Rancho, NM ZIP CODE: 87144

OWNER: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

ARCHITECT: KGA Architects CONTACT: Bill Santiana  
ADDRESS: 214 Truman St PHONE: 255-4975  
CITY, STATE: Albuquerque ZIP CODE: 87108

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ 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 (Plan Revision)

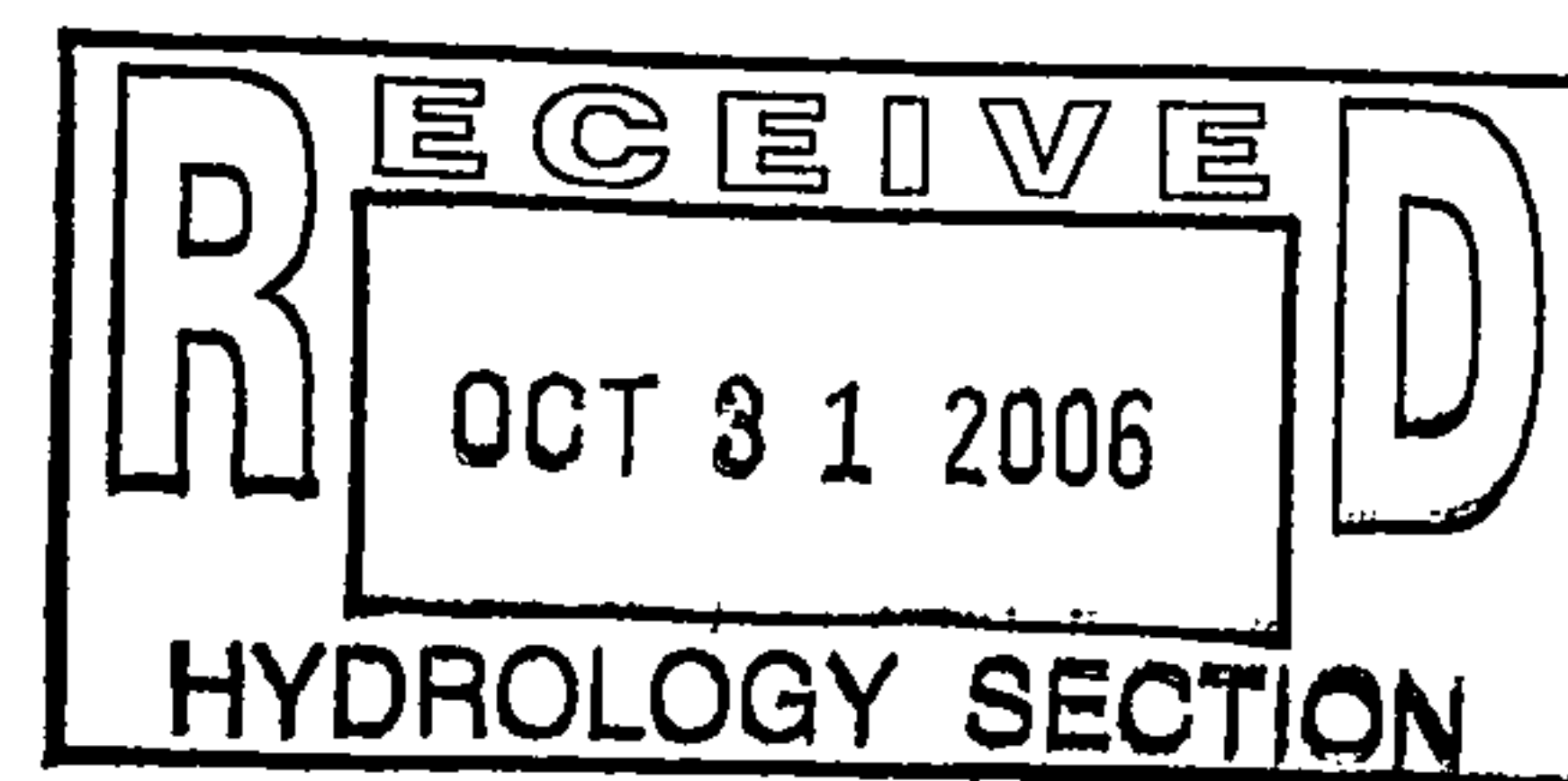
## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ 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

RESUBMITTAL



DATE SUBMITTED: October 31, 2006 BY: Jeff Wooten

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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