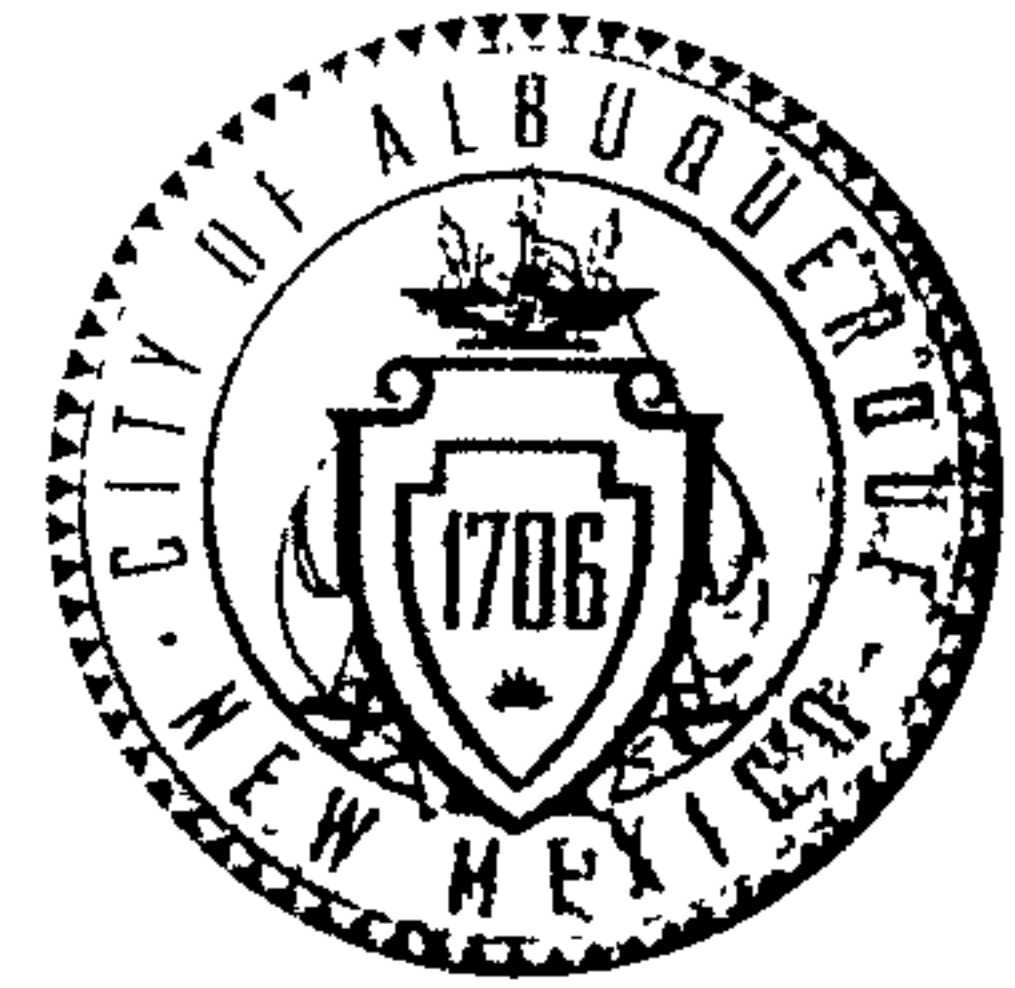


CITY OF ALBUQUERQUE



December 26, 2008

Jeffrey G. Mortensen, P.E.
High Mesa Consulting Group
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Albuquerque High School 2008 MDP Ph 2-A Improvements-Portable
Relocation- Grading Plan**

Engineer's Stamp dated 12-16-08 (J15/D001)

Dear Mr. Mortensen,

PO Box 1293

Based upon the information provided in your submittal received 12-16-08, the above referenced plan is approved for Grading Permit and Paving Permit.

Albuquerque

An Engineer Certification is not requested at this time. Upon completion of Phase 2 improvements, please provide an Engineer Certification for our files.

NM 87103

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

www.cabq.gov

Sincerely,

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

C: file



6010-B Midway Park Blvd. NE
Albuquerque, New Mexico 87109
Phone: 505.345.4250
Fax: 505.345.4254
www.highmesacg.com

TRANSMITTAL:

TO:	FROM:
BRAD BINGHAM CITY HYDROLOGIST ONE STOP	JEFF MORTENSEN
PROJECT:	RE:
AHS MASTER DRAINAGE PLAN IMPROVEMENTS – PHASE 2A	PLANS FOR PHASE 2A
JOB NO:	DATE:
2007.183.7 (J15/D1)	12-15-2008
CC:	
FRANK SHAW SAL WAR RICHARD MILLER KC TITSWORTH	

VIA: ☒ Delivery ☐ Pickup ☐ US Mail ☐ Federal Express Delivery ☐ Fax

WE ARE SENDING:

QTY.	DESCRIPTION:	FOR:
1	SET PLANS FOR PHASE 2A	YOUR FILES
1	DRAINAGE INFORMATION SHEET	SUBMITTAL

REMARKS:

PHASE 1 IS THE DRAINAGE IMPROVEMENTS IN AND AROUND THE FOOTBALL FIELD AND TRACK. THAT WORK IS SUBSTANTIALLY COMPLETE WITH PUNCHLIST ITEMS BEING ADDRESSED; CERTIFICATION OF PHASE 1 IS IN PROGRESS.

PHASE 2A IS THE RELOCATION OF PORTABLE CLASSROOMS THAT CONFLICT WITH ENLARGING THE DETENTION POND AT THE NORTHWEST CORNER OF THE SCHOOL SITE. IN ORDER TO REGRADE AND ENLARGE THE POND, THE PORTABLE CLASSROOMS MUST FIRST BE RELOCATED. THAT IS SCHEDULED FOR THE 2008 WINTER BREAK. PHASE 2B WILL BE THE REMAINDER OF THE MASTER DRAINAGE PLAN IMPROVEMENTS TO BE UNDERTAKEN DURING THE SUMMER OF 2009.

THIS SUBMITTAL IS FOR INFORMATION AND TO DEMONSTRATE THAT THE DESIGN AND CONSTRUCTION OF THE IMPROVEMENTS REQUIRED BY THE APPROVED MASTER DRAINAGE PLAN ARE PROCEEDING.

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

515/D001

PROJECT TITLE: AHS DMP PORTABLE RELOCATIONS ZONE ATLAS/DRNG. FILE #: J15-D1
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: ALBUQUERQUE HIGH SCHOOL, LANDS OF THE BOARD OF EDUCATION (UNPLATTED)
 CITY ADDRESS: 800 ODELIA ROAD NE, 87102

ENGINEERING FIRM: HIGH MESA CONSULTING GROUP CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: FRANK SHAW, CM
 ADDRESS: 915 LOCUST AVE SE PHONE: 975-6248
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: _____

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

SURVEYOR: HIGH MESA CONSULTING GROUP (NMPS 11184) CONTACT: CHARLES G. CALA, JR
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: ALBUQUERQUE ASPHALT CONTACT: DAN FISHER
 ADDRESS: 202 94TH STREET SW PHONE: 831-7311
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87121

TYPE OF SUBMITTAL:

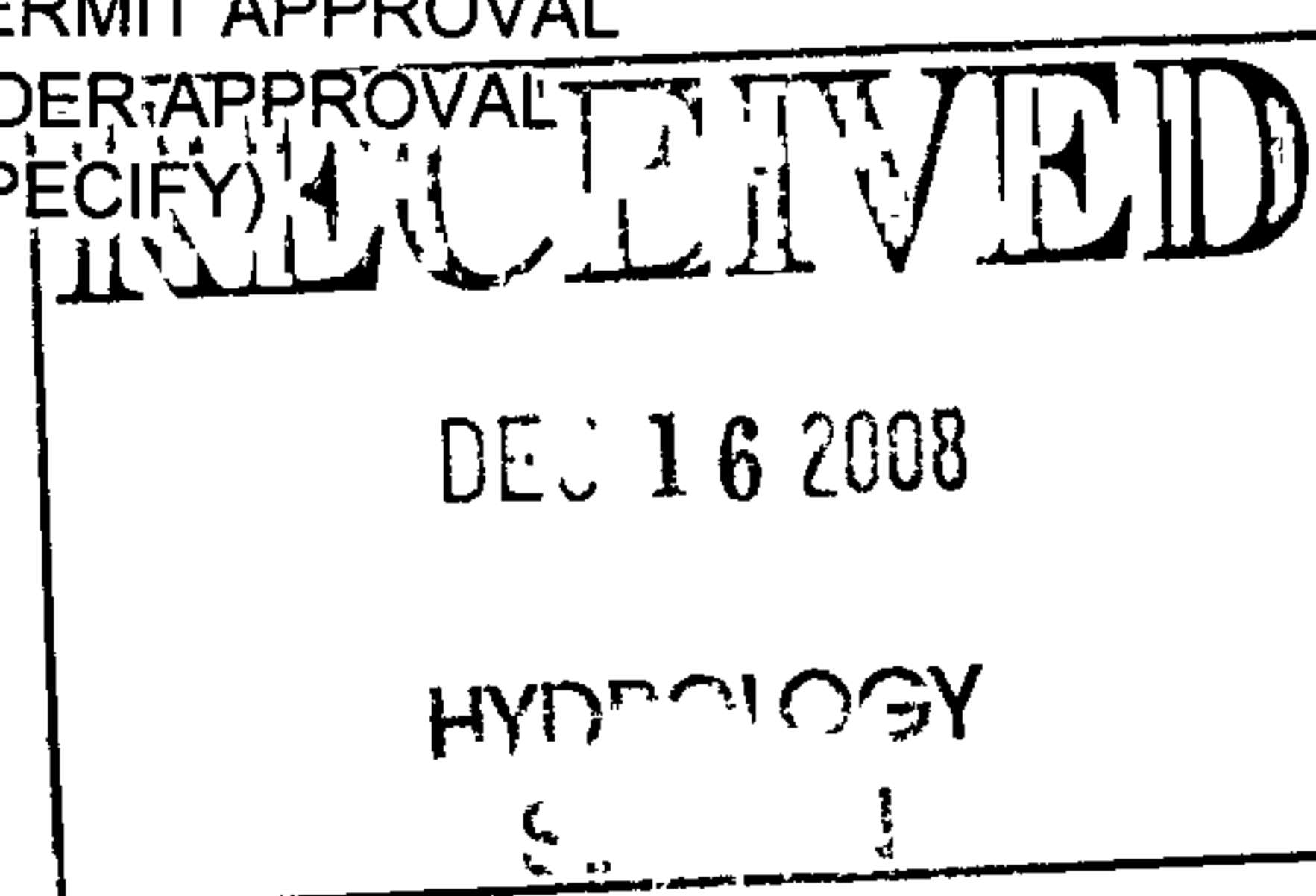
- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐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

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: 12/16/2008 BY: JEFFREY G. MORTENSEN

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 upon 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.

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: AHS MDP IMPROVEMENTS II ZONE ATLAS/DRNG. FILE #: J15 D1
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: ALBUQUERQUE HIGH SCHOOL, LANDS OF THE BOARD OF EDUCATION (UNPLATTED)
 CITY ADDRESS: 800 ODELIA ROAD NE, 87102

ENGINEERING FIRM: HIGH MESA CONSULTING GROUP CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: MYRON JOHNSON
 ADDRESS: 915 LOCUST AVE SE PHONE: 505-848-8811
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87102

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

SURVEYOR: HIGH MESA CONSULTING GROUP (NMPS 11184) CONTACT: CHARLES G. CALA, JR
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: APS ON-CALL CONTRACTORS CONTACT: N/A
 ADDRESS: _____ PHONE: _____
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st 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)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
☒ OTHER - CD'S (IN LIEU OF PAPER) TO UPDATE COA FILES

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) - CONDITION OF APPROVAL

WAS A PRE-DESIGN CONFERENCE ATTENDED:

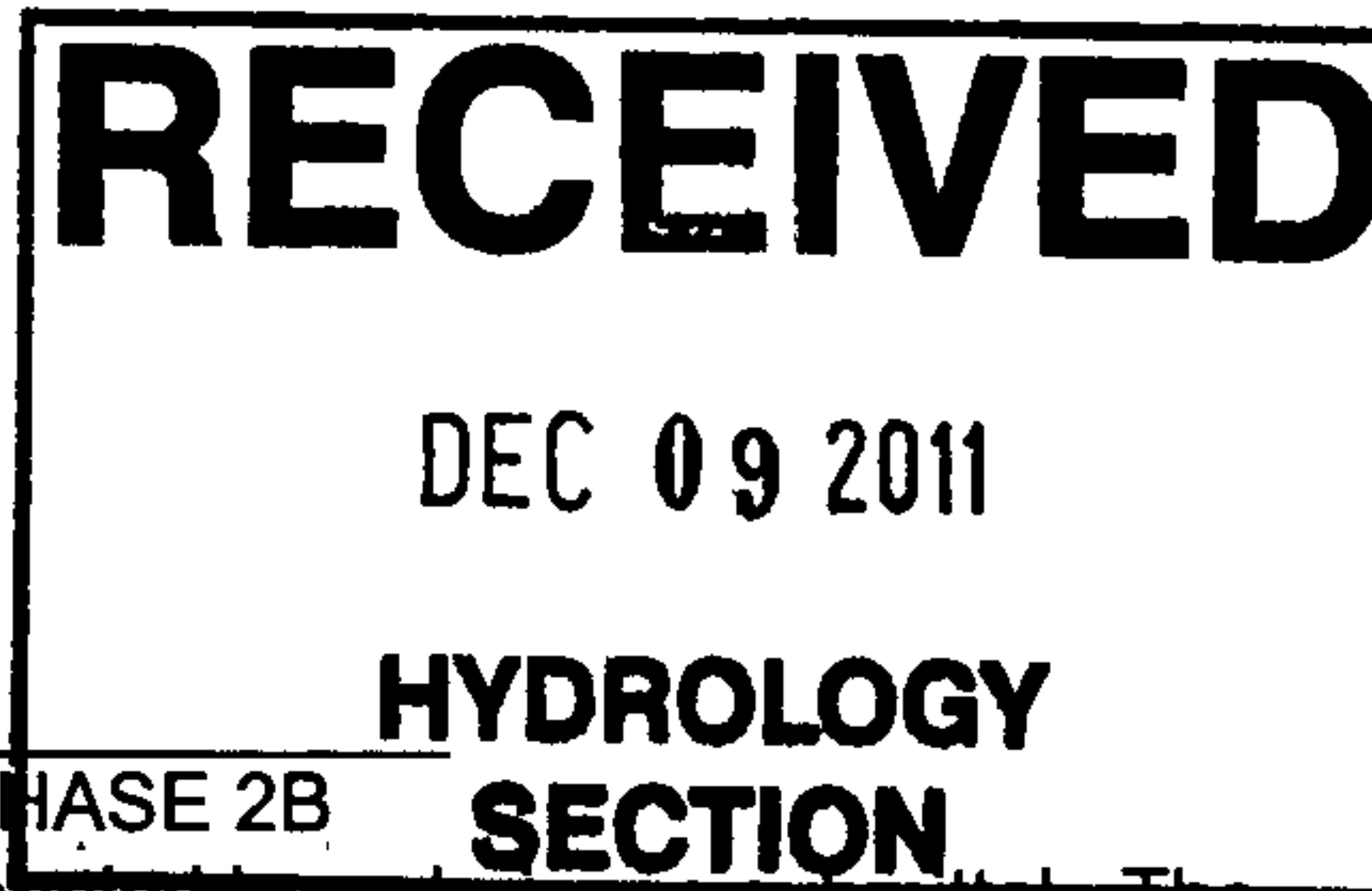
- ☒ YES
☐ NO
☐ COPY PROVIDED

DATE SUBMITTED: 12/08/2011 BY: JEFFREY G. MORTENSEN

* TRACK & FIELD RENOVATION, AND MASTER DRAINAGE PLAN IMPROVEMENTS - PHASE 2B

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 upon 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



December 9, 2011

Jeffrey G. Mortensen, P.E.
High Mesa Consulting Group
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Albuquerque High School Improvements, 800 Odelia Rd NE,
Grading Certification, (J-15/D001)
Engineer's Stamp Date: 06/05/2009 & 01-11-2010**

Dear Mr. Mortensen,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan received on 12-09-11, for the above referenced plan. This information will be placed in the project file.

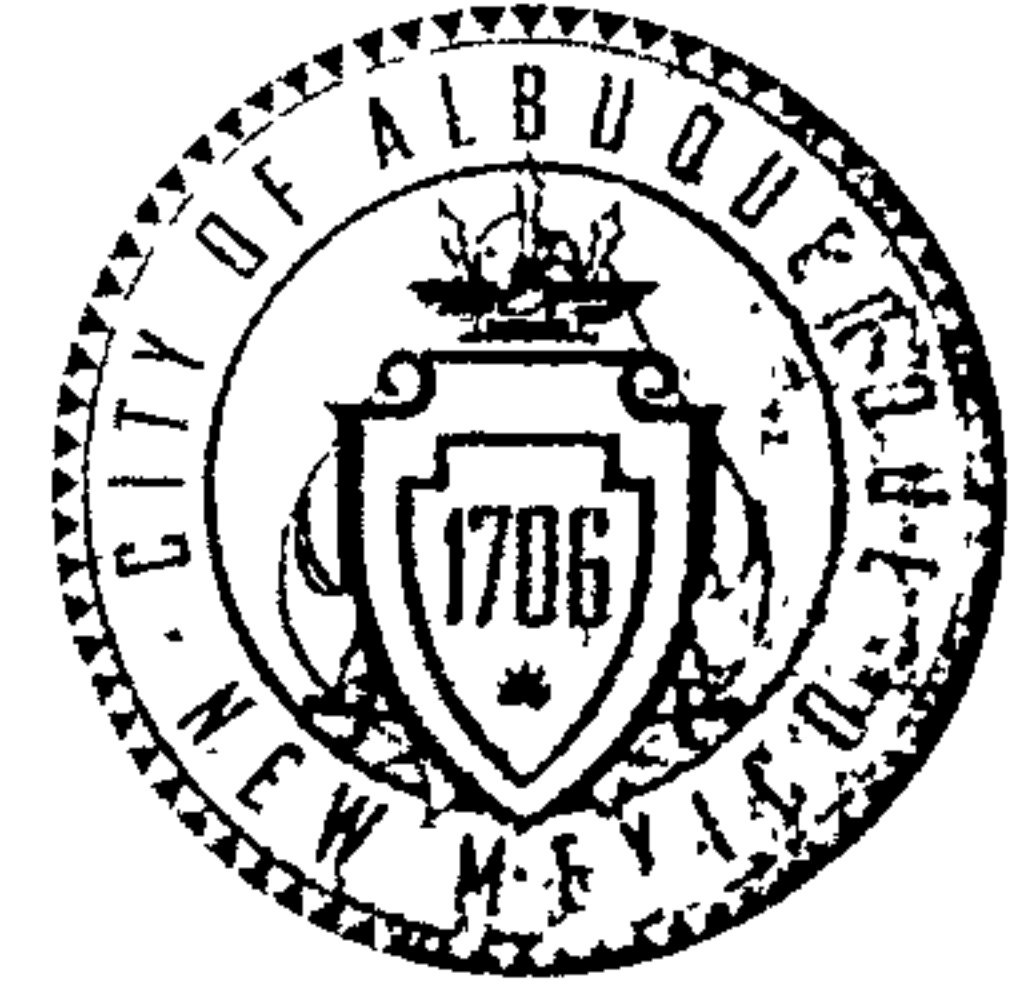
If you have any questions, I can be contacted at 924-3982.

Sincerely,

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

C: file

CITY OF ALBUQUERQUE



* Controls

September 3, 2008

Jeff Mortensen, PE
High Mesa Consulting Group
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

Re: Albuquerque High School Master Drainage Plan
Engineer's Stamp dated 7-27-07 (J15/D01)

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 8-1-08, the above referenced master plan is approved. Any project within basins identified as needing improved drainage facilities (i.e. up-sized storm drain, ponds, etc.) for that basin must include appropriate plans for the improvements needed as well as the site specific grading plans that will support the gym extension, new drop-off area or PAC storage addition.

PO Box 1293

If you have any questions, you can contact me at 924-3986.

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

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

C: file

STAPLED TO

7-27-2008 M. D. PLAN UPDATE
PLANS

C-101 THRU C-111

Albuquerque - Making History 1706-2006

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: Albuquerque High School Master Drainage Plan Update ZONE MAP: J-15/1001
 DRB#: N/A EPC#: N/A WORK ORDER#: N/A

LEGAL DESCRIPTION: Unplatted Lands of Albuquerque Public Schools – A.K.A. Albuquerque High School
 CITY ADDRESS: 800 Odelia Road NE, Albuquerque, NM

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: Gary R. Bittner, PE
 ADDRESS: 6010-B Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109

OWNER: Albuquerque Public Schools (APS) CONTACT: Rich Miller, PE
 ADDRESS: PO Box 25704 PHONE: 848-8835
 CITY, STATE: Albuquerque NM ZIP CODE: 87125

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

SURVEYOR: High Mesa Consulting Group CONTACT: Charles Cala, PS
 ADDRESS: 6010-B Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109

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

TYPE OF SUBMITTAL:

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

*Master Drainage Plan and
Schematic Design*

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)

Master Drainage Plan Approval

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: July 31, 2008

BY: Gary R. Bittner, PE

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.

11-2-09 — ^{WITH} SEPT. 3, 2008 ^{Letter}

Spoke w/ Jeff Mortensen, he said they have 2 projects going on.

1. Adding Buildings

2. Drainage Improvements

The drainage improvements won't be complete when Watta submits for CO for the buildings.

The contractor will be on-site and working.

~~I told Jeff since he has~~

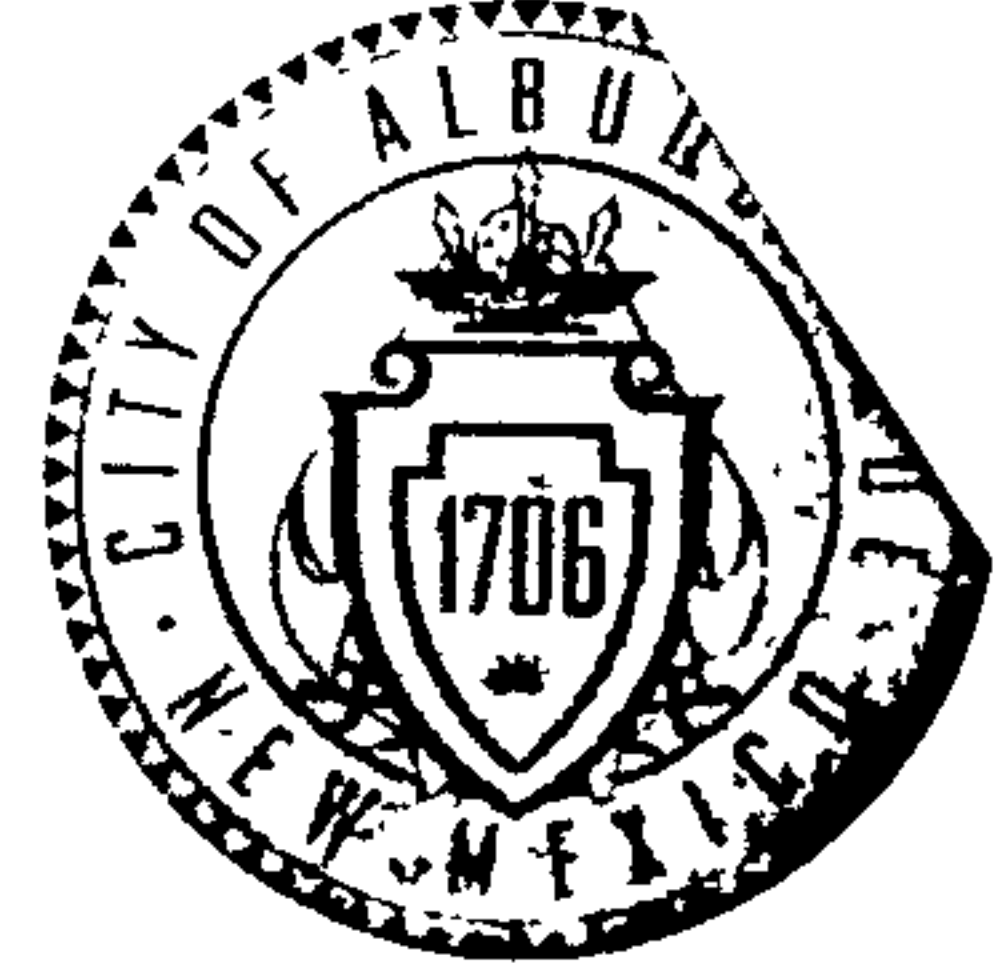
I told Jeff since ~~he~~ ^{they are} working on

the ponds and we agreed we shouldn't get a big storm that we could give a Temp CO.

But hold off on Perm CO until drainage improvements are complete

Anti

CITY OF ALBUQUERQUE



June 16, 2009

Jeffrey G. Mortensen, P.E.
High Mesa Consulting Group
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Albuquerque High School MDP Improvements Phase 2B, Grading and
Drainage Plan**

Engineer's Stamp date 6-5-09 (J15/D001)

Dear Mr. Mortensen,

Based upon the information provided in your submittal received 6-5-09, the above
referenced plan is approved for Grading Permit and Paving Permit.

PO Box 1293

Upon completion of the project, please provide an as-built for our files.

If you have any questions, I can be reached at 924-3695.

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

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

C: file

Cherne, Curtis

From: Jeffrey G. Mortensen [JMortensen@highmesacg.com]
Sent: Tuesday, June 16, 2009 12:34 PM
To: Cherne, Curtis
Cc: Gary R. Bittner
Subject: AHS SWC

$$P = \frac{A}{\phi} = \frac{1.2 \text{ ft}^2}{3} = .4$$

Curtis,
 I visited the AHS site this morning and verified the sidewalk culvert built at the back of storm inlet by the DMD project is 24-inches in width. We will clearly document this in the Record Drawings that we will prepare to document compliance with the approved Plan as well as to document completion of the APS project.

Let me know if there are further questions.
 Thanks,
 Jeff

HIGH MESA Consulting Group

Jeffrey G. Mortensen, P.E.
 President

6010-B Midway Park Blvd. NE
 Albuquerque, NM 87109
 www.highmesacg.com

Phone: 505.345.4250
 Fax: 505.345.1254
 jmortensen@highmesacg.com

$$A = .6 \times 22 \times 1.2$$

$$Q = \frac{1.486}{1.49} (1.2 \text{ ft}^2) \left(\frac{.67}{3} \right) (.67)^{1/2}$$

$$= 2 \text{ (circled)} \text{ WS of HS 1.7}$$

$$R$$

$$S \text{ L } 1.51$$

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

$$= 2.7 (2') (1.6)^{3/2}$$

$$= 2.5 \text{ cfs}$$

$$C = 3$$

$$(2.0) \text{ cfs}$$

6/16/2009

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: Albuquerque High School MDP Improvements-Phase 2-B ZONE MAP: J-15 / Doc 1
 DRB#: N/A EPC#: N/A WORK ORDER#: N/A

LEGAL DESCRIPTION: Unplatted Lands of APS – A.K.A. Albuquerque High School
 CITY ADDRESS: 800 Odelia Road NE, Albuquerque NM 87102

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: Gary R. Bittner, PE
 ADDRESS: 6010-B Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109

OWNER: Albuquerque Public Schools CONTACT: Frank Shaw
 ADDRESS: P.O. Box 25704 PHONE: 848-8829
 CITY, STATE: Albuquerque NM ZIP CODE: 87125

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

SURVEYOR: High Mesa Consulting Group CONTACT: Chuck Cala, PS
 ADDRESS: 6010-B Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109

CONTRACTOR: Not Selected CONTACT: Engineering Firm
 ADDRESS: _____ PHONE: _____
 CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN 1st SUBMITTAL
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☒ EROSION CONTROL PLAN
☐ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER'S CERT (TCL)
☐ ENGINEER'S CERT (DRB SITE PLAN)
☐ 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 (TENTATIVE)
☒ GRADING PERMIT APPROVAL
☒ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED:

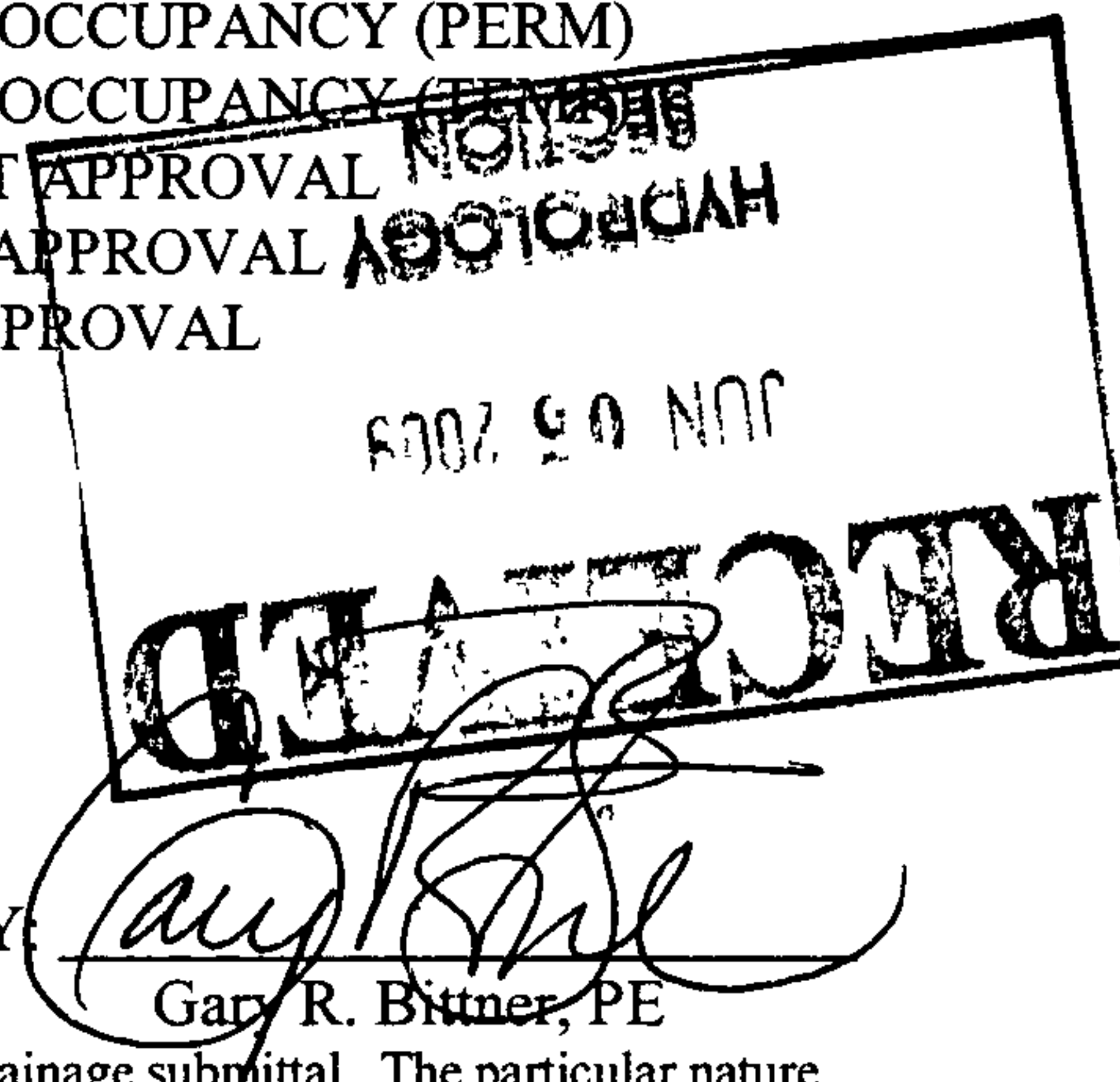
☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: June 5, 2009

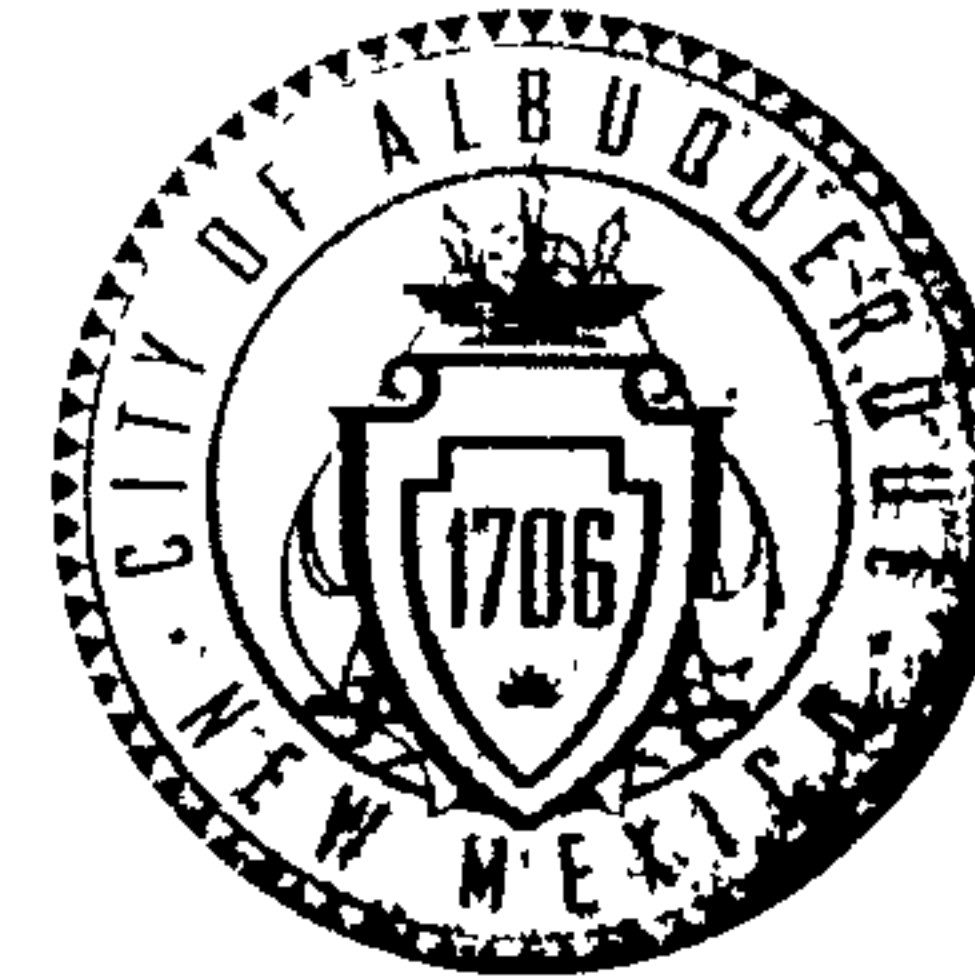
BY: Gary R. Bittner, PE

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:

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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.



CITY OF ALBUQUERQUE



January 21, 2009

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

**Re: AHS Addition Grading and Drainage Plan
Engineer's Stamp dated 1-15-09 (J15-D01)**

Dear Mr. Walla,

Based upon information contained in your submittal dated 1-16-09, the above reference plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

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

If you have any questions, you can contact me at 924-3986.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

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

C: File

CITY OF ALBUQUERQUE



September 23, 2009

Mike J. Walla, P.E.
Walla Engineering, LTD
6100 Indian School Rd. NE Ste. 210
Albuquerque, NM 87110

Re: Addition to Albuquerque High School – Drop Off Lane, 800 Odelia Rd. NE
Request for Permanent Certificate of Occupancy (C.O.)
Approved Engineer's Stamp dated 01/15/2009 (J-15/D001)
Certification dated 09/23/2009

Dear Mr. Walla,

PO Box 1293

Based upon the information provided on 9/23/2009, the above referenced certification is approved for Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

NM 87103

Sincerely,

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

www.cabq.gov

C: File
CO Clerk—Katrina Sigala

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

ADDITION TO

PROJECT TITLE: ALBUQUERQUE HIGH SCHOOL ZONE MAP/DRG. FILE #: G-16 J-15/0001
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: UNPLATTED LANDS OF APS COMMONLY KNOWN AS ALBUQ HIGH SCHOOL, BERN, CTY, NM
CITY ADDRESS: 800 ODELA RD., ALBUQ, NM

ENGINEERING FIRM: WALSH ENGINEERING, LTD CONTACT: MIKE WALSH
ADDRESS: 6100 INMAN SCHOOL RD SE PHONE: 881-5008
CITY, STATE: ALBUQ, NM ZIP CODE: 87110

OWNER: APS CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

ARCHITECT: LEE GAMELSKY ARCH'S, PC CONTACT: LEE GAMELSKY
ADDRESS: 2412 MILES RD. SE PHONE: 842-8865
CITY, STATE: ALBUQ, NM ZIP CODE: 87106

SURVEYOR: HIGH MESA CONTACT: CHUCK CULIA
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st 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:

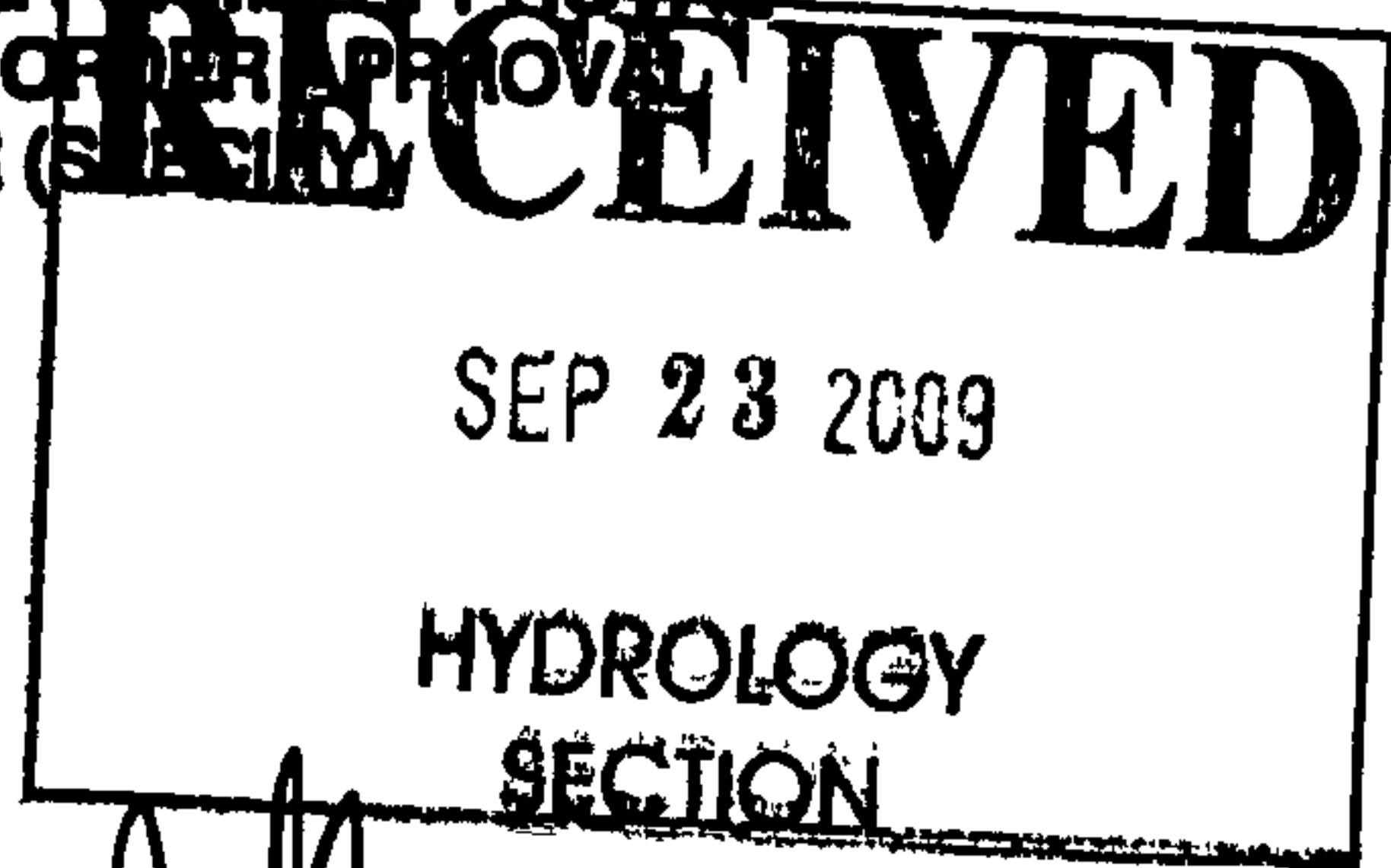
- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM.)
- ☐ CERTIFICATE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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 9/23/09

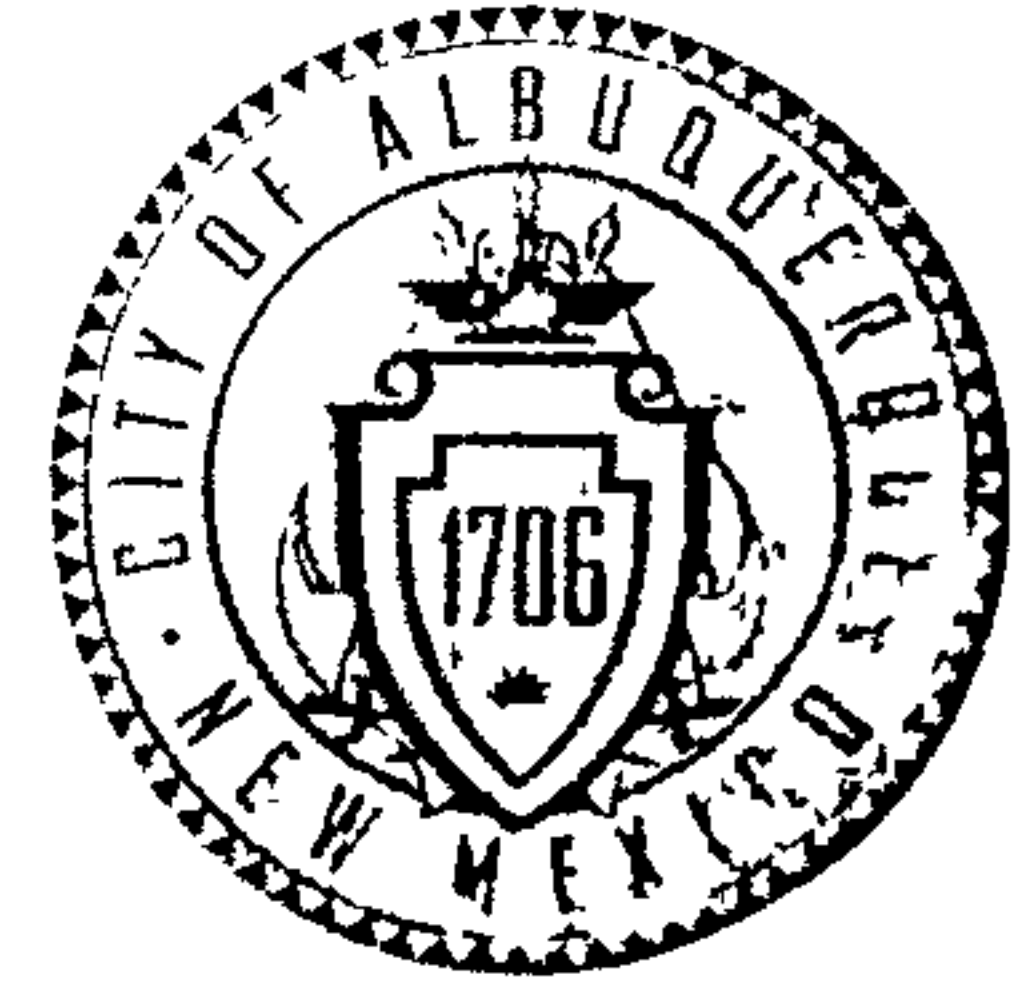
BY: [Signature]



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



July 18, 2008

Jeffrey G. Mortensen, P.E.
High Mesa Consulting Group
6010-B Midway Park Blvd NE
Albuquerque, NM 87109

Re: Albuquerque HS Track & Field Improvements
800 Odelia NE, Grading Plan
Engineer's Stamp dated 07-10-08 (J15/D001)

Dear Mr. Mortensen,

Based upon the information provided in your submittal received 07-14-08, the above referenced plan is not approved for Grading and Paving Permit until the following comments are addressed:

- Please quantify the following items: existing pond volume and proposed; water surface elevation for new pond; current discharge rate and proposed.
- Provide a map that encompass location of track versus overall site
- Sheet C-305 (5/25): Call the correct detail number for proposed concrete mow curb.
- Sheet C-109 (9/25): Provide invert elevation for 18"x6" HDPE TEE.
- Sheet C-110 (10/25): You are transitioning from cross slope to invert slope on Service Road, provide the transition station.
- Sheet C-311 (11/25):
 - Call out the sequential detail numbers that appear to be repetitious.
 - On your sections for Service Road, please provide the slope (numerical & directional).
 - Asphalt type is 'C' and no longer gradation B with 1800# stability.
- Sheet C-115 (15/25): Bottom inlet for proposed pond should be 21.00 (per detail sheet A5, C-316; Provide invert elevation for 12" SD.

PO Box 1293

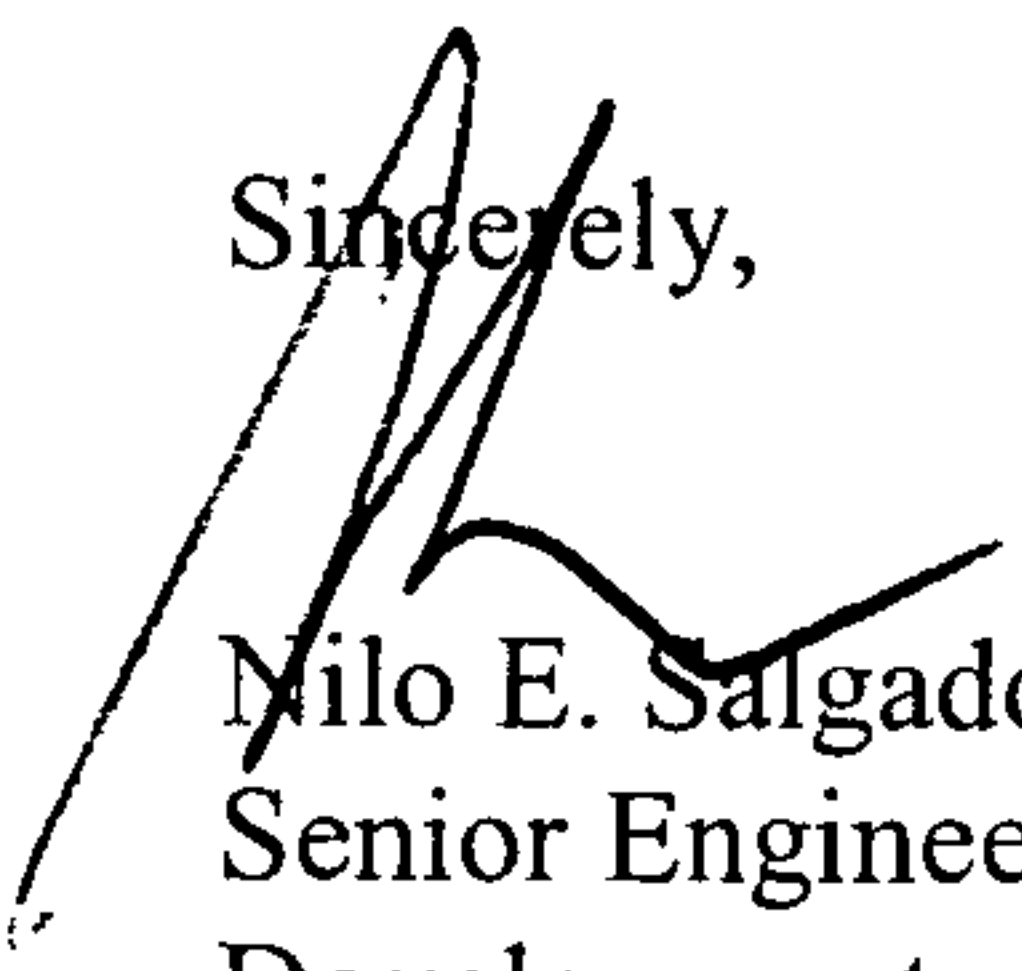
Albuquerque

NM 87103

www.cabq.gov

If you have any questions, you can contact me at 924-3630.

Sincerely,


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

C: File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: ALBUQUERQUE HIGH SCHOOL TRACK & FIELD IMPROVEMENTS ZONE MAP: 2-15/D001
 DRB#: N/A EPC#: N/A WORK ORDER#: N/A

LEGAL DESCRIPTION: UNPLATTED LANDS OF APS / A.K.A. ABQ. HIGH SCHOOL
 CITY ADDRESS: 800 ODELIA RD NE, ABQ, NM

ENGINEERING FIRM: HIGH MESA CONSULTING GROUP CONTACT: GARY BITTNER
 ADDRESS: 6010-B MIDWAY PK BLVD NE PHONE: 345-4250
 CITY, STATE: ALBUQUERQUE NM 87109 ZIP CODE: 87109

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: RICHARD MILLER
 ADDRESS: 915 OAK ST SE PHONE:
 CITY, STATE: ALBUQUERQUE NM ZIP CODE:

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

SURVEYOR: HIGH MESA CONSULTING GROUP CONTACT: CHUCK CARA
 ADDRESS: 6010-B MIDWAY PK BLVD NE PHONE: 345-4250
 CITY, STATE: ALBUQUERQUE NM ZIP CODE: 87109

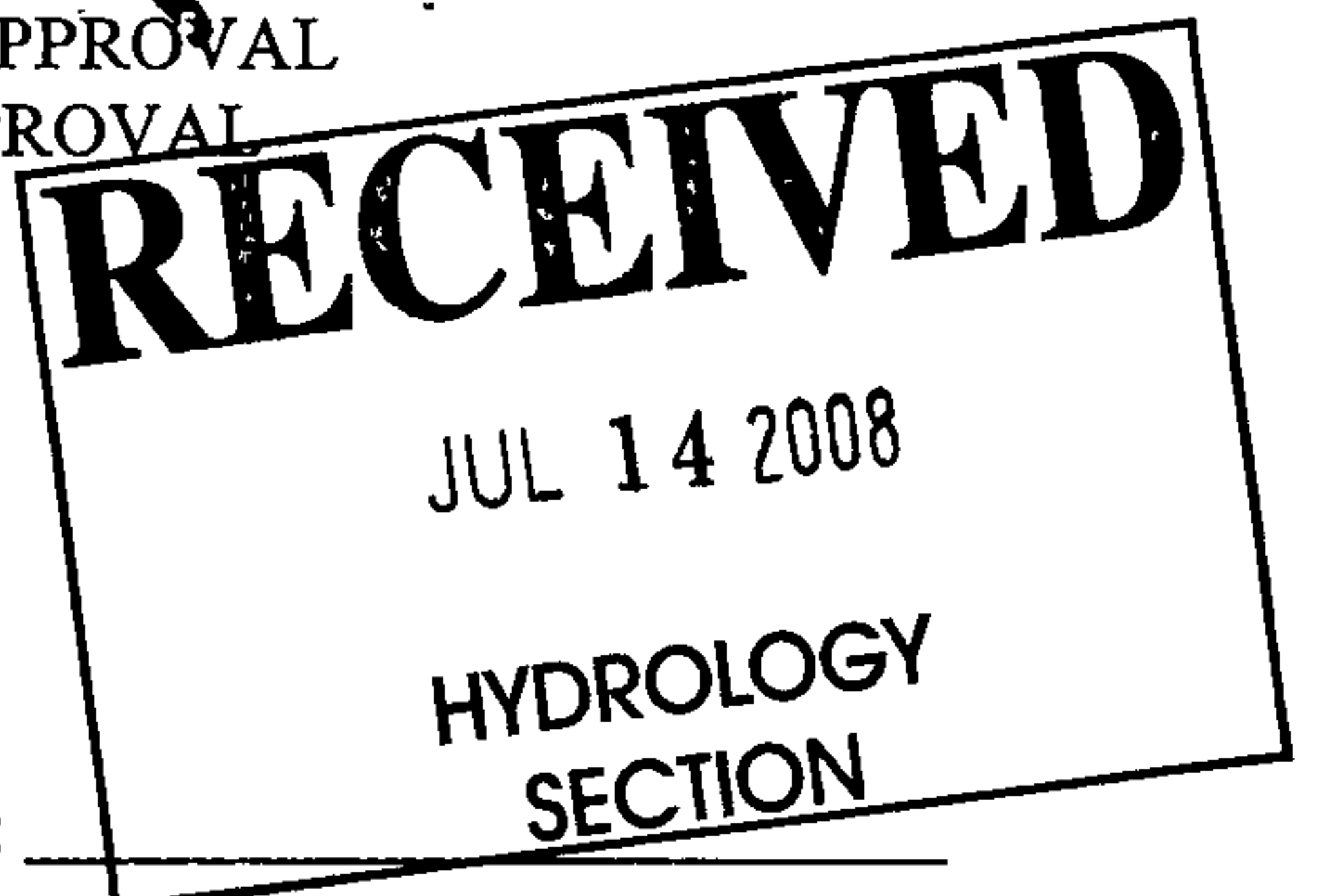
CONTRACTOR: ALBUQUERQUE ASPHALT CONTACT: BRIAN LOUGHBIDGE
 ADDRESS: PHONE: 881-8311
 CITY, STATE: ABQ NM ZIP CODE:

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

DATE SUBMITTED: 07/14/08 BY: [Signature]



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CITY OF ALBUQUERQUE



September 25, 2008

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

Re: AHS Addition Grading and Drainage Plan
Engineer's Stamp dated 9-3-08 (J15-D01)

Dear Mr. Walla,

Based upon information contained in your submittal dated 9-4-08, the above reference plan cannot be approved for Building Permit until the following comments are addressed.

- This campus is in very restrictive basin and certain improvements to the campus drainage system are needed to relieve pressure on the City's drainage system. Some Phase 1 improvements, identified in the DMP by High Mesa, are under way but additional improvements must also be included on your plan. It would be prudent to meet with me to discuss the needed requirements.
- Opening up the holes in the wall next to the gym (keynote 10) constitutes a basin transfer into Basin C from Basin A2-B. This will need to be reflected on the DMP and be mitigated adequately.

If you have any questions, you can contact me at 924-3986.

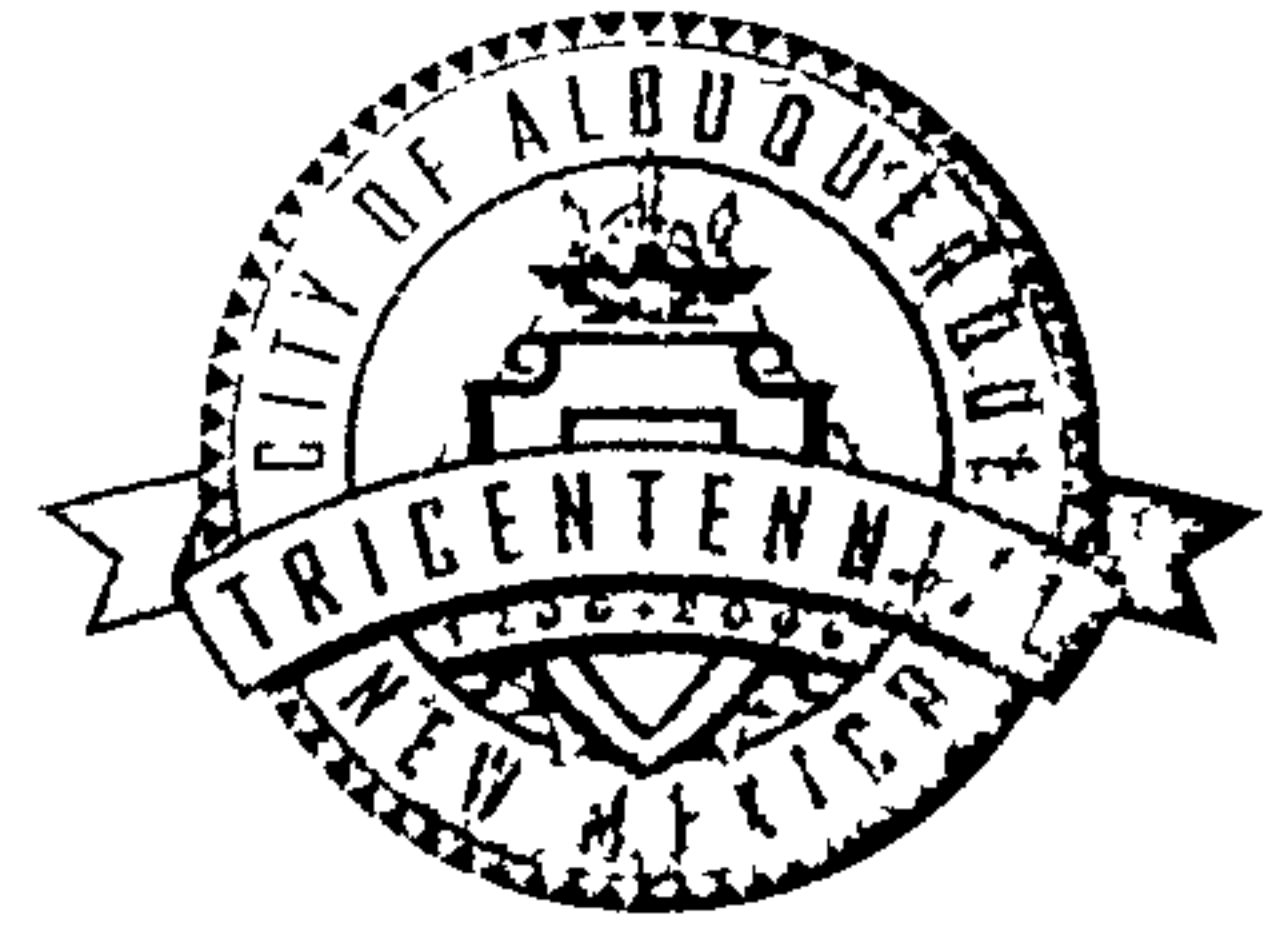
Sincerely,

Bradley L. Bingham

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

C: Jeff Mortensen, PE, High Mesa Consulting Group
File

CITY OF ALBUQUERQUE



May 17, 2007

Jeffrey G. Mortensen, P.E.
Jeff Mortensen & Assoc., Inc.
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Albuquerque High School East Parking Lot Modifications, Grading Plan
Engineer's Stamp dated 5-9-07 (J15/D001)**

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 5-10-07, the above referenced plan is approved for Grading Permit and Paving Permit.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit.

Upon completion of the project, please provide an Engineer Certification for our files.

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

Sincerely,

Curtis A. Cherne, E.I.
Engineering Associate, Planning Dept.
Development and Building Services

C: file
Kathy Verhage, DMD

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: AHS EAST PARKING LOT MODIFICATIONS ZONE ATLAS/DRNG. FILE #: J15 D1
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: ALBUQUERQUE HIGH SCHOOL, LANDS OF THE BOARD OF EDUCATION
 CITY ADDRESS: 800 ODELIA ROAD NE, 87102

ENGINEERING FIRM: JEFF MORTENSEN & ASSOC., INC. CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: RICARDO GUILLERMO
 ADDRESS: 915 LOCUST AVE SE PHONE: 848-8823
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: _____

ARCHITECT: WESTWIND LANDSCAPE (LANDSCAPE DESIGN-BUILD) CONTACT: ELIZABETH CALHOON
 ADDRESS: 2739 VASSAR NE PHONE: 881-8925, EXT 114
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87017

SURVEYOR: JEFF MORTENSEN & ASSOC., INC. (NMPS 11184) CONTACT: CHARLES G. CALA, JR
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: ALBUQUERQUE ASPHALT CONTACT: BOB WOOD
 ADDRESS: 202 94TH STREET SW PHONE: 831-7311
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87121

TYPE OF SUBMITTAL:

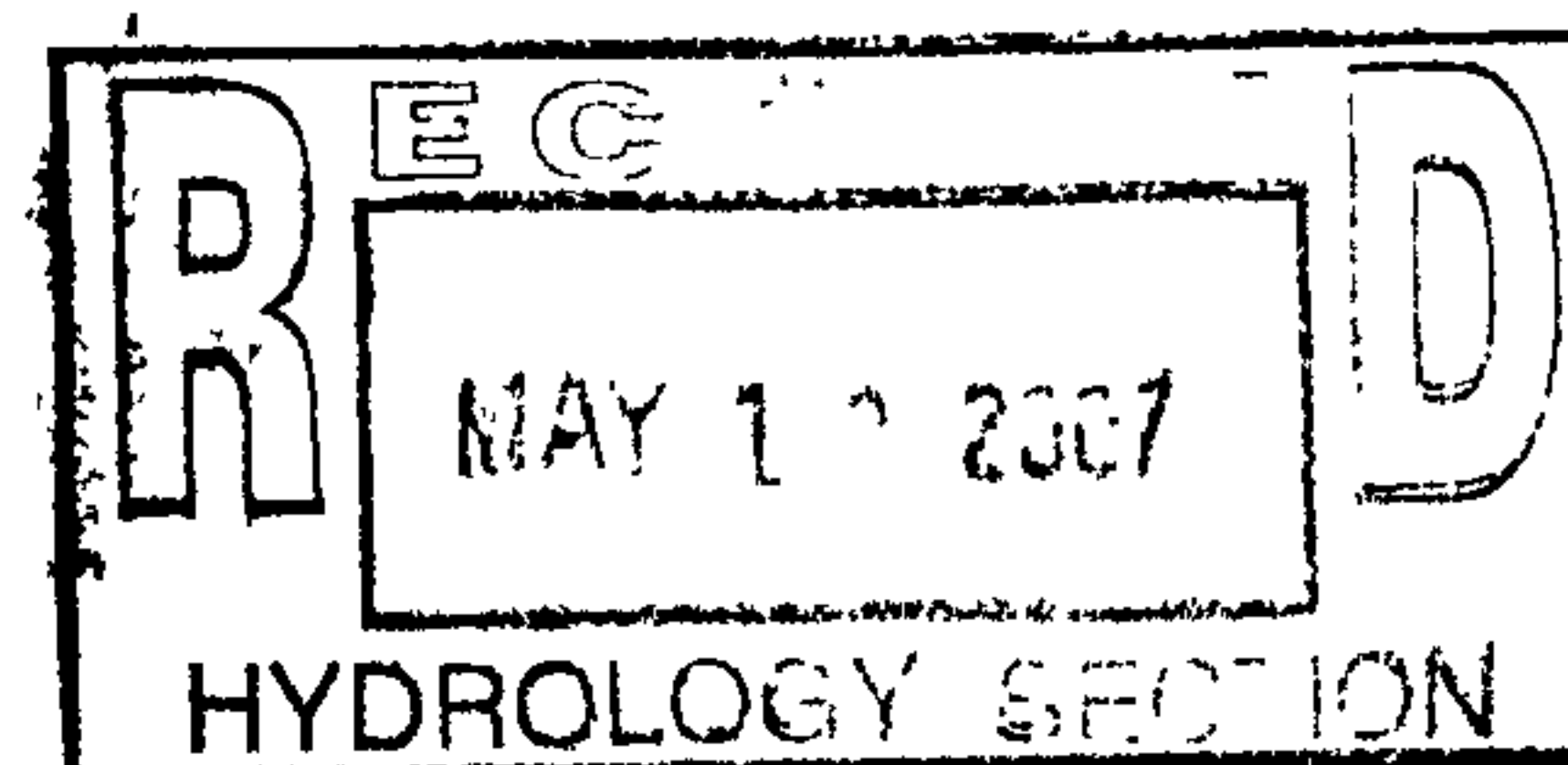
- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1ST SUBMITTAL, **REQUIRES TCL or equal**
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ 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 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 (INFORMAL DISCUSSION W/ BRAD BINGHAM)
☐ NO
☐ COPY PROVIDED

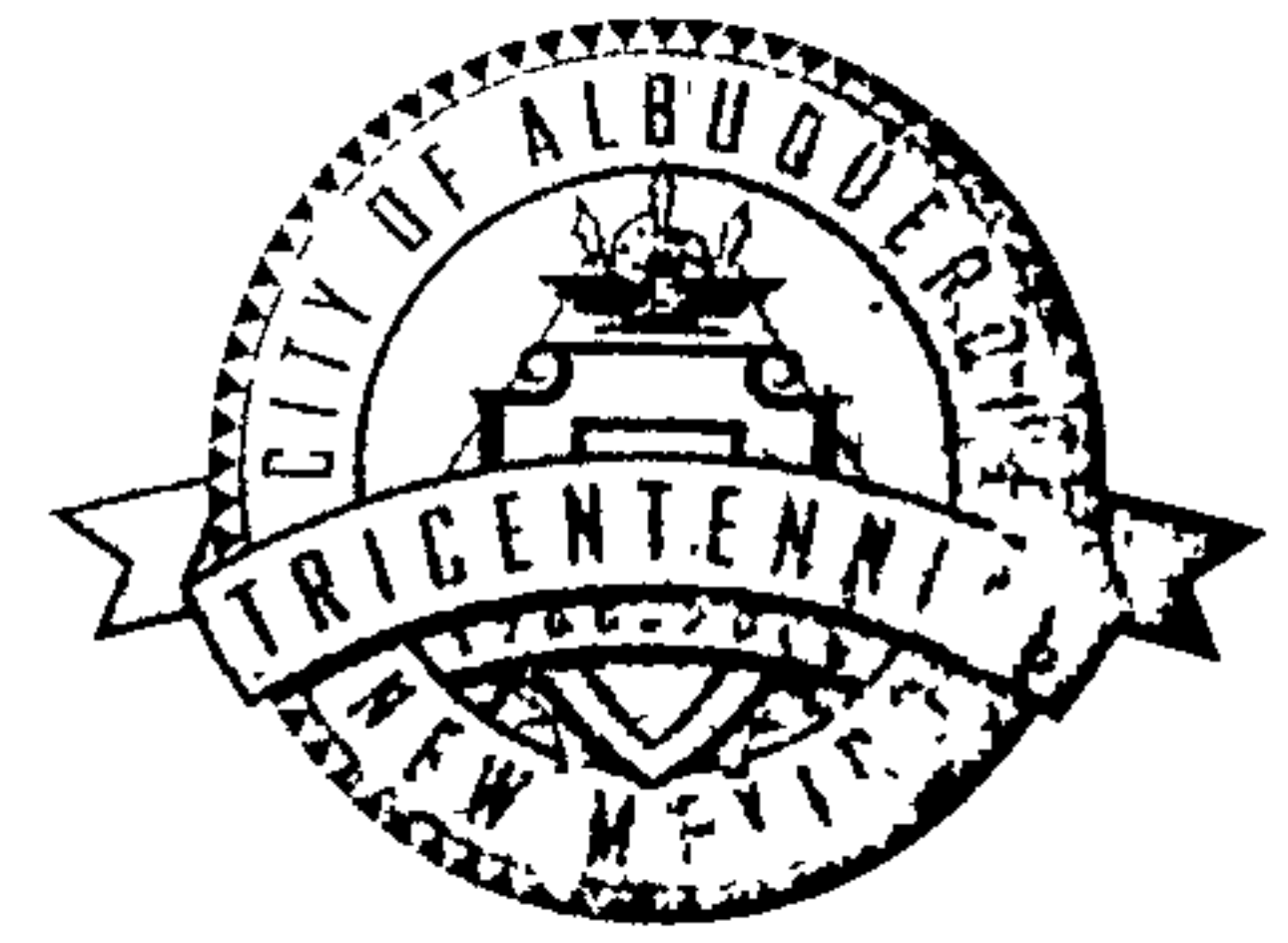


DATE SUBMITTED: 05/09/2007 BY: JEFFREY G. MORTENSEN

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 upon the following:

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CITY OF ALBUQUERQUE



May 1, 2007

Jeffery Mortensen, P.E.
Jeff Mortensen & Associates
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

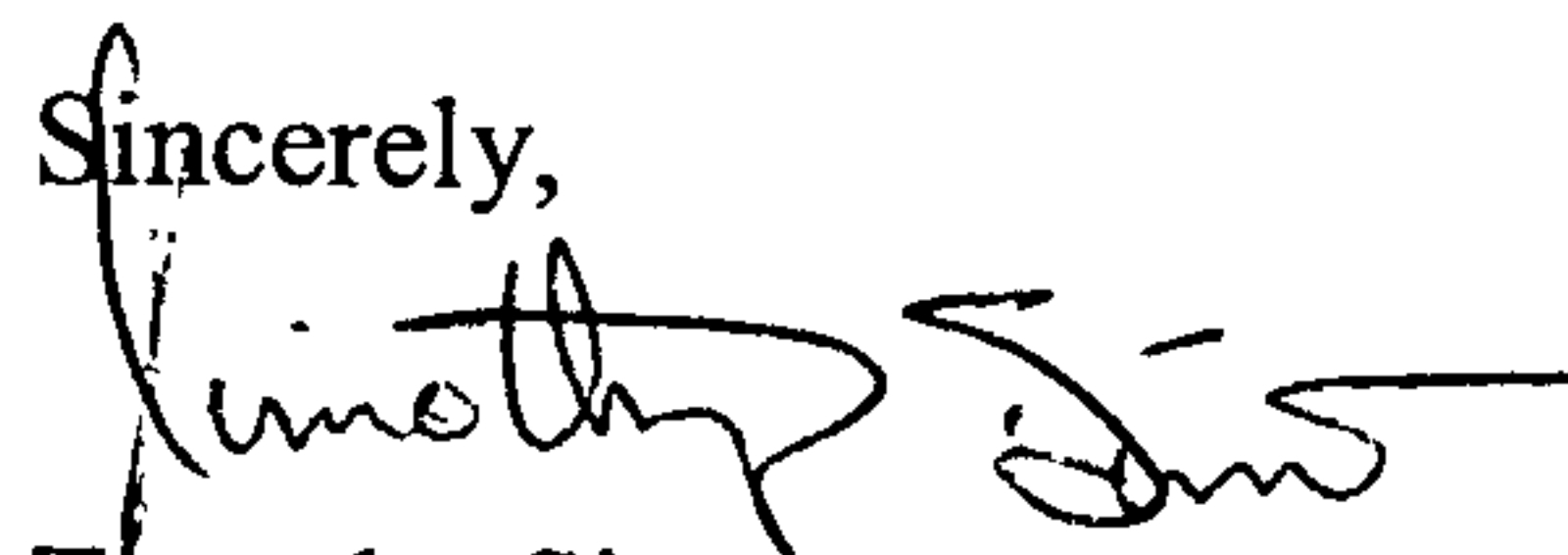
Re: Albuquerque High School Soccer Fields, 800 Odelia Rd. NE,
Condition of Approval
Engineer's Stamp dated 03/29/2006 (J-15/D001)
Certification dated 05/01/2007

Thank you for submitting the as-built conditions for the above referenced project; this information will be added to the file.

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

C: File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: ALBUQUERQUE HS SOCCER FIELD ZONE ATLAS/DRNG. FILE #: J15 D1
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: UNPLATTED LANDS OF BOARD OF EDUCATION
 CITY ADDRESS: 800 ODELIA ROAD NE

ENGINEERING FIRM: JEFF MORTENSEN & ASSOC., INC. CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: ALBUQUERQUE PUBLIC SCHOOLS (DFDC) CONTACT: RICARDO GUILLERMO
 ADDRESS: 915 OAK STREET SE PHONE: 848-8823
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87106

ARCHITECT: MORROW REARDON WILKINSON MILLER CONTACT: JOHN POPE
 ADDRESS: 210 LA VETA NE PHONE: 268-2266
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87108

SURVEYOR: JEFF MORTENSEN & ASSOC., INC. (NMPS 11184) CONTACT: CHUCK CALA
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: WESTWIND LANDSCAPE CONSTRUCTION, INC CONTACT: KEVIN NEEL
 ADDRESS: 2739 VASSAR PLACE NE PHONE: 898-8925 X-104
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st 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)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
☐ OTHER -

CHECK TYPE OF APPROVAL SOUGHT:

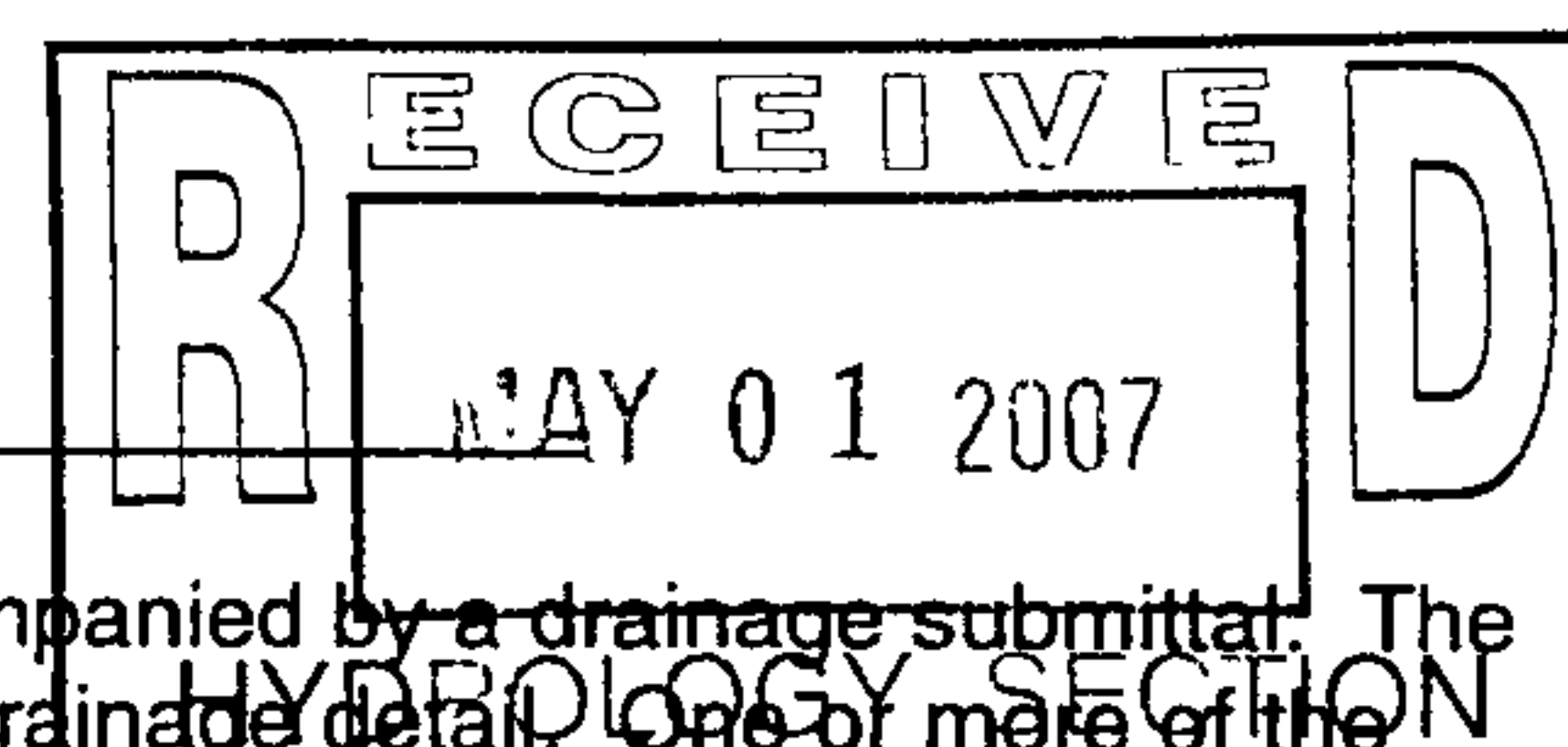
- ☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY (PERM.)
☐ CERTIFICATE OF OCCUPANCY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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
☒ NO
☐ COPY PROVIDED

XC: RICARDO GUILLERMO W/ MYLARS AND COPY
 JOHN POPE W/ ONE COPY

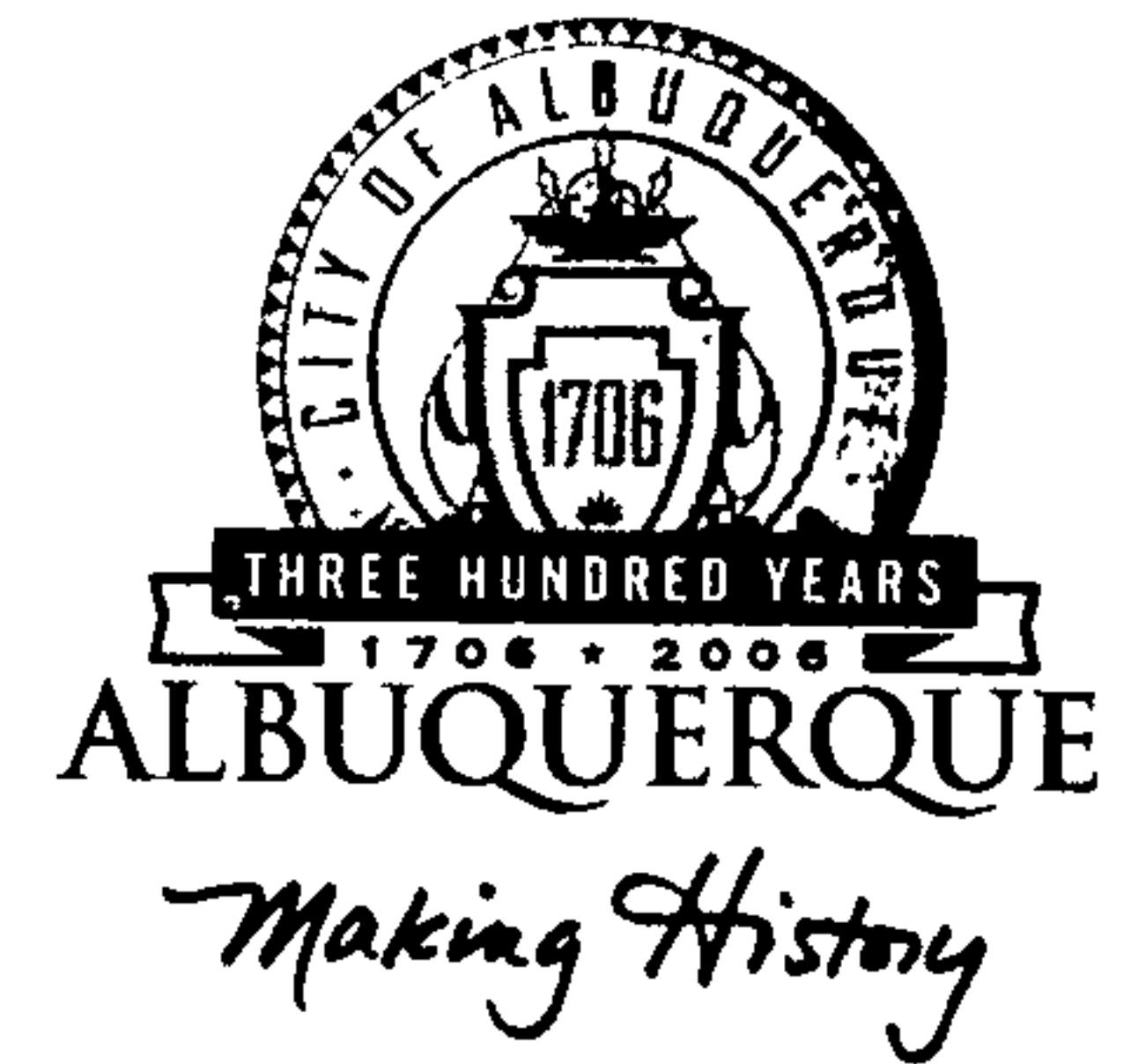
DATE SUBMITTED: 05/01/2007 BY: JEFFREY G. MORTENSEN



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CITY OF ALBUQUERQUE



December 22, 2005

Mr. Jeffrey G. Mortensen, P.E.
JEFF MORTENSEN & ASSOCIATES
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: AHS TRACK DRAINAGE MODIFICATIONS, 800 Odelia Road NE,
Grading and Drainage Plan, Engineer's Stamp, 05/25/2005 (J-15/D1)**

Dear Jeff,

Thank you for providing an Engineer Certification for Grading and Drainage 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

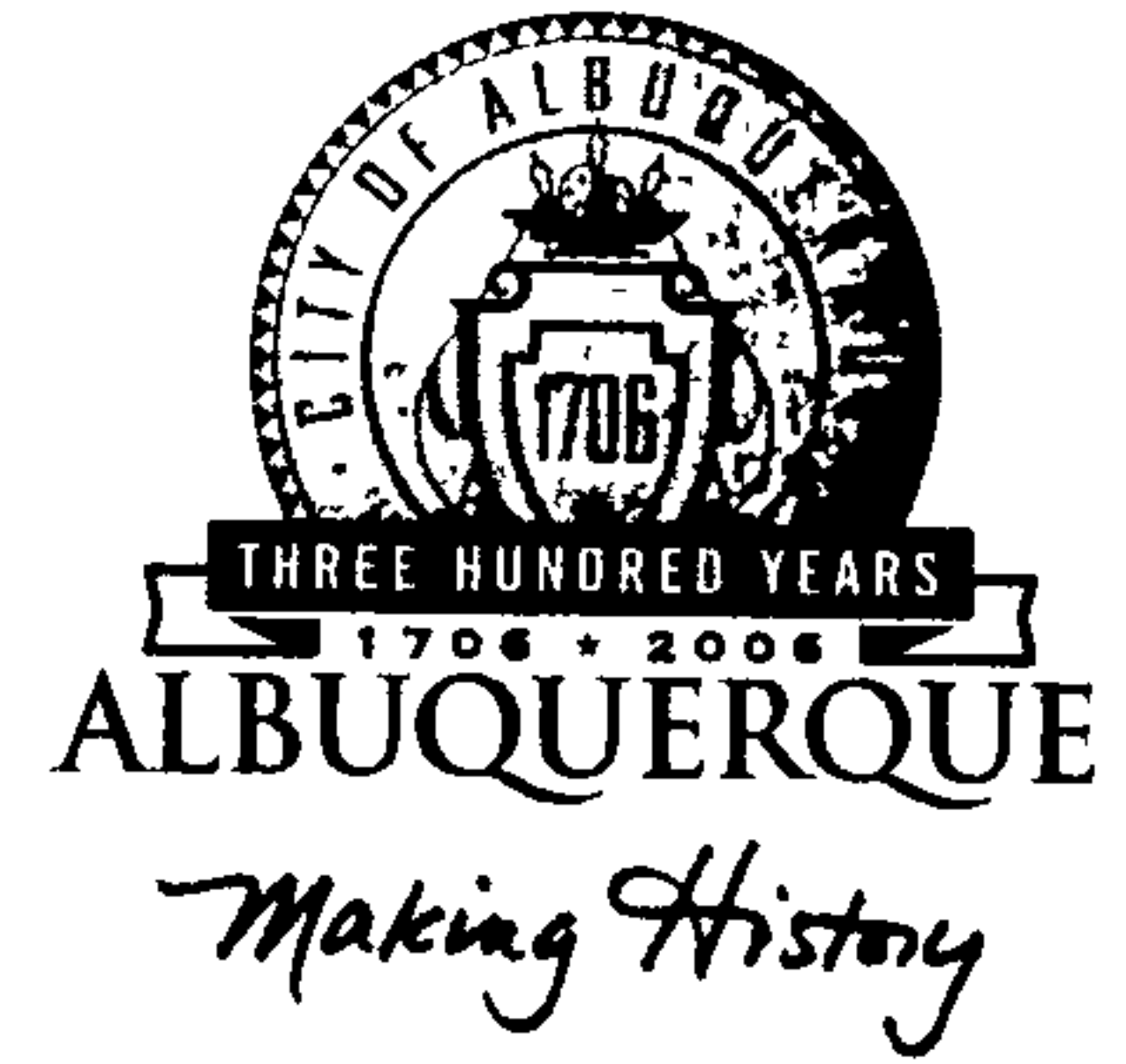
Arlene V. Portillo
Plan Checker, Planning Dept.-Hydrology
Development and Building Services

New Mexico 87103

C: file

www.cabq.gov

CITY OF ALBUQUERQUE



July 16, 2004

Mr. Mike Walla, P.E.
WALLA ENGINEERING, LTD
6100 Indian School Rd. NE
Albuquerque, NM 87110

Re: ALBUQUERQUE HIGH SCHOOL ADDITION
800 Odelia Rd. NE
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 01/16/2003 (K-15/D001)
Certification dated 07/15//2004

P.O. Box 1293

Dear Mike,

Albuquerque

Based upon the information provided in your submittal received 07/15/2004, 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

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

Bub

www.cabq.gov

C: Phyllis Villanueva
File

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

PROJECT TITLE: ALBUQ. HIGH SCHOOL ADDITION ZONE MAP/DRG. FILE #: J-15
DRB #: _____ EPC#: _____ WORK ORDER#: _____
LEGAL DESCRIPTION: ALBUQUERQUE HIGH SCHOOL
CITY ADDRESS: 800 ODELLA RD. NE 87102
ENGINEERING FIRM: WALLA ENGINEERING LTD
ADDRESS: 6100 INDIAN SCHOOL RD NE
CITY, STATE: ALB, NM
CONTACT: MIKE J. WALLA
PHONE: 881-3008
ZIP CODE: 87110
OWNER: ALB. PUBLIC SCHOOLS
ADDRESS: _____
CITY, STATE: ALBUQ, NM
CONTACT: RICARDO GUILLERMO
PHONE: _____
ZIP CODE: _____
ARCHITECT: WESTWORK
ADDRESS: 2103 SAN MATEO NE STE 5-2
CITY, STATE: ALB, NM
CONTACT: GADE SPERRY
PHONE: 884-5252
ZIP CODE: 87110
SURVEYOR: JMA
ADDRESS: _____
CITY, STATE: _____
CONTACT: CHUCK CALA
PHONE: _____
ZIP CODE: _____
CONTRACTOR: N/A
ADDRESS: _____
CITY, STATE: _____
CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

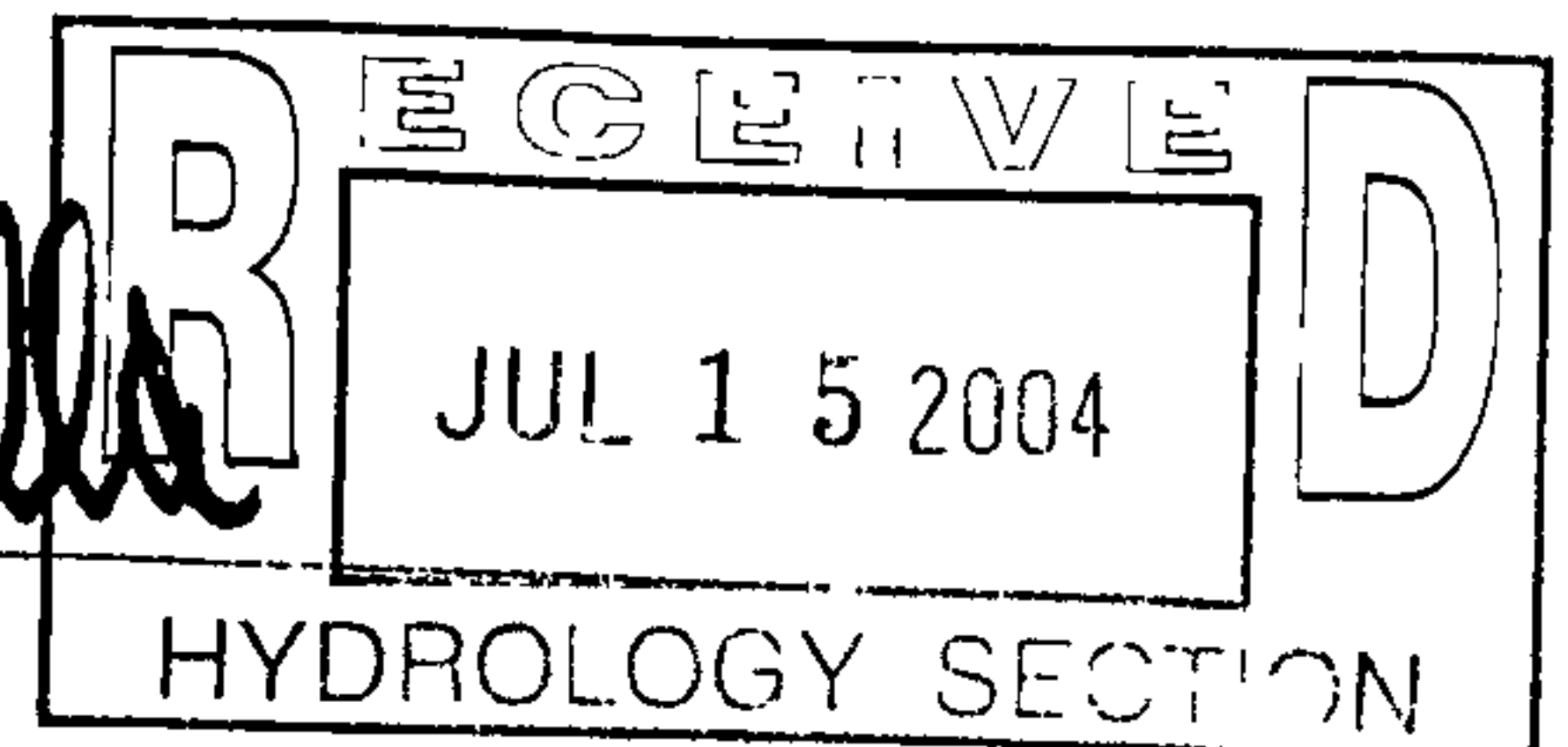
- ____ SIA / FINANCIAL GUARANTEE RELEASE
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
____ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY (PERM.)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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☒ YES
____ NO
____ COPY PROVIDED

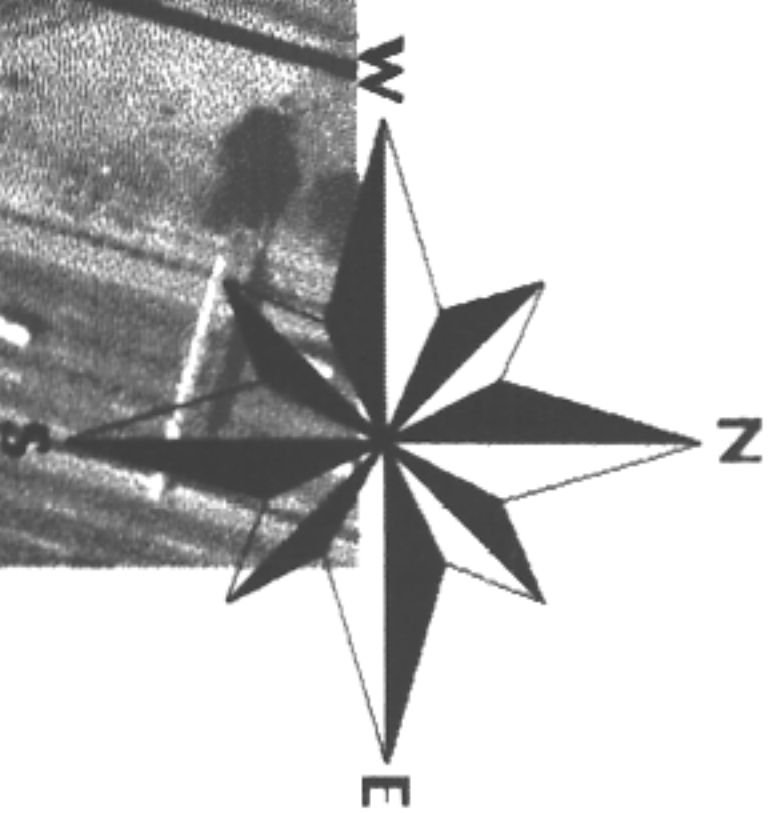
DATE SUBMITTED: 7/15/04
5/12/04

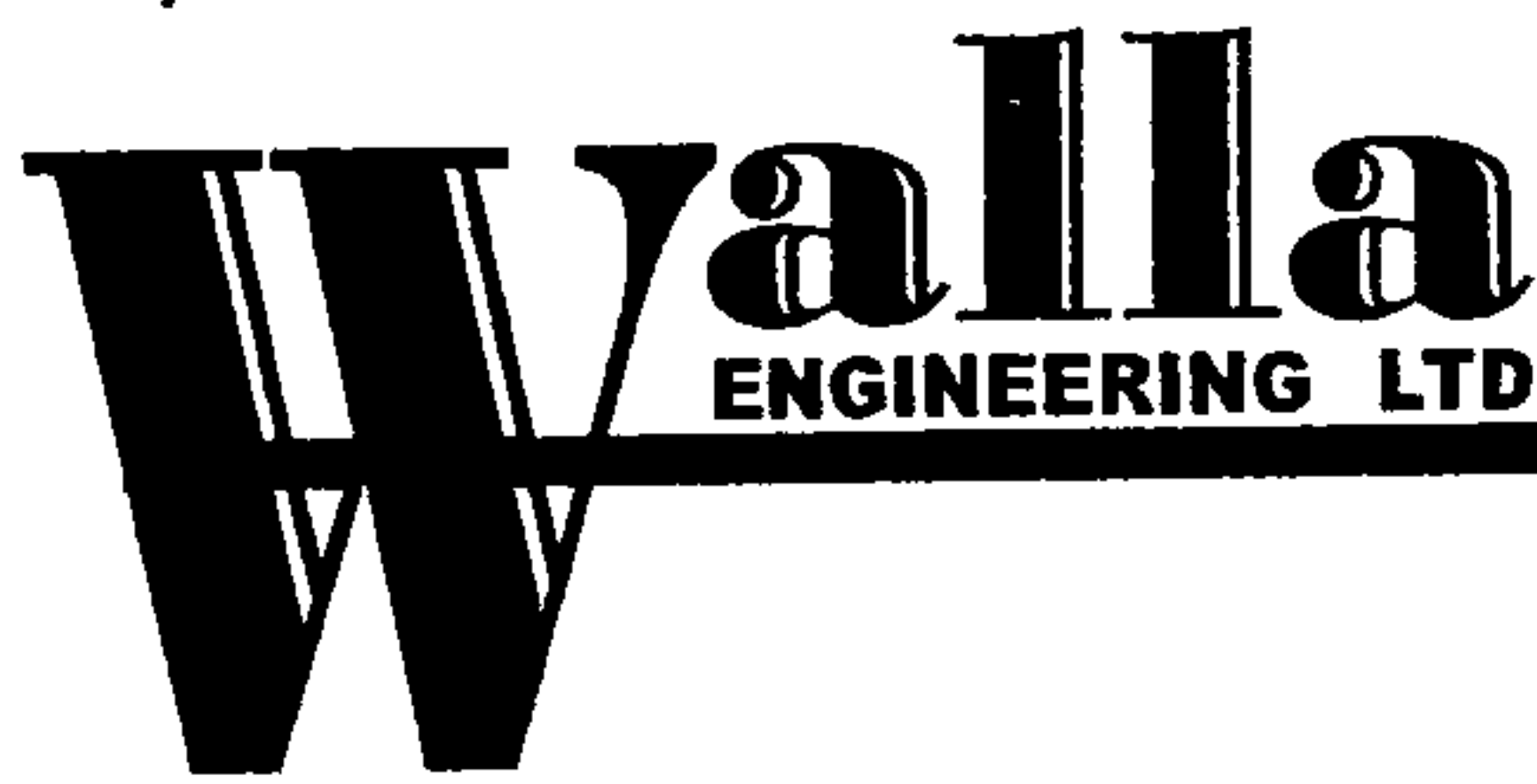
BY: [Signature]



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





Structural Engineering • Civil Engineering

ALBUQUERQUE HIGH SCHOOL ADDITION

APS

GRADING AND DRAINAGE REPORT

SUBMISSION

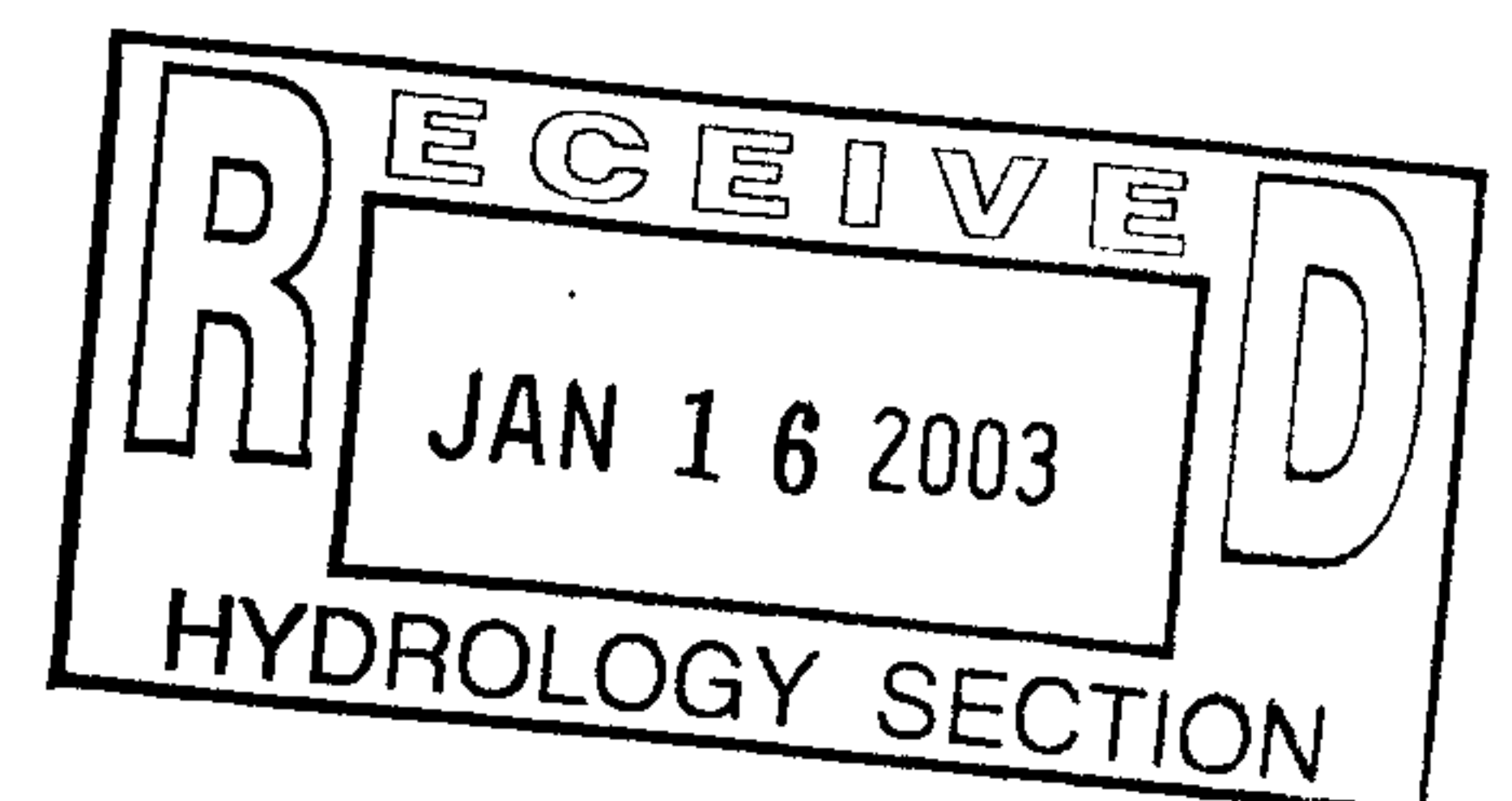
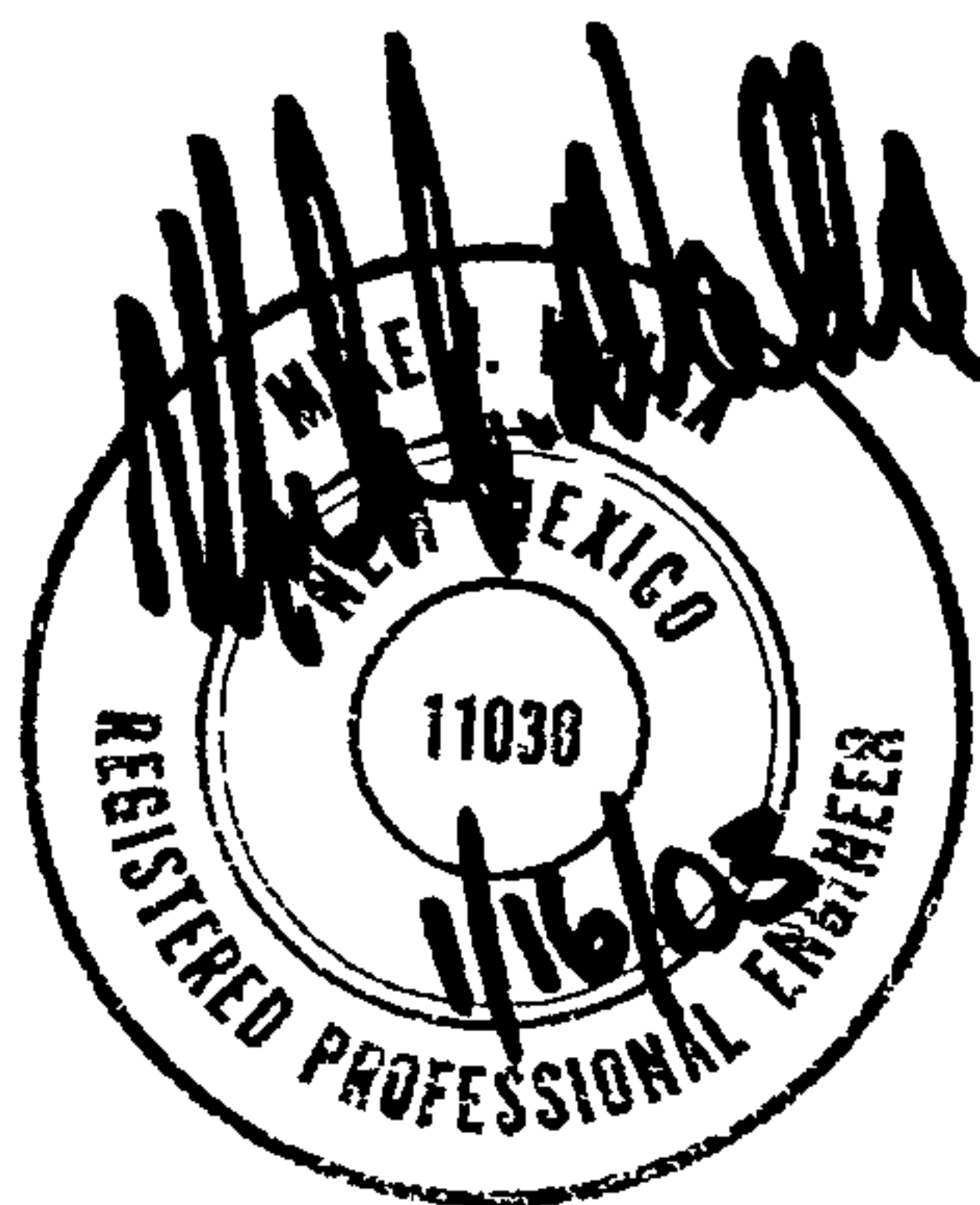
BUILDING PERMIT APPROVAL - REVISED

DATE

1/16/2003

SUBMITTED BY
WALLA ENGINEERING, LTD.

MICHAEL J. WALLA PE
NMPE #11030



6100 Indian School Road NE • Suite 210
Albuquerque • New Mexico • 87110
(505) 881-3008 • Facsimile (505) 884-5390

Mike J. Walla P.E.

Larry E. Kennedy

ALBUQUERQUE HIGH SCHOOL ADDITION**DESIGN NARRATIVE**

Revised 1/15/2003

This facility was built in the late 1970's and has existed as is since that time. The original design was not reviewed by the City of Albuquerque Hydrology Division as it currently reviews construction projects. Since the original project was built the storm drain facilities in Indian School/Odelia Road to the north, Mountain Road to the south and various related downstream facilities in Broadway and Lomas have been improved and upgraded. In particular, storm drainage in Broadway north of Odelia Rd. has been intercepted and directed toward the softball complex north of this site for ponding. The 1990 storm drain project in Broadway south of the site increased the storm drain capacity just downstream of the site and a recent project in Lomas Blvd. relieved flows previously handled by the Broadway pump station. The current runoff capacity of Odelia Rd. adjacent to this site is approximately 134 cfs on each side of the street and an 18" dia. storm drain (which increases to a 24" dia. line further west) collects flows in Odelia at Edith from 4 curb inlets at this intersection. This pipe connects to the Broadway facilities which include a 48" diameter line that increases to 60" dia. line south of Odelia. The 1990 Gannett-Fleming project (COA # 08-571-57) analysis describes the adequacy of the Broadway pump station due to these improvements.

This project will add approximately 11,000 SF of building to the campus as well as significantly modify the student dropoff and drive access to parking on the site. Some of the onsite ponding will be eliminated and runoff directed to facilities in Indian School/Odelia Rd. This project will improve onsite grading and drainage facilities in order to further protect neighboring properties west of the campus from runoff flows generated on the campus.

No significant offsite flows affect this site since it backs up to Interstate Highway right of way to the east which discharges no flows to this site. The north and south ends of the site are bordered by Indian School/Odelia Rd. and Mountain Rd.

The majority of storm runoff flows generated on the east side of the Albuquerque High School site are directed to the north or south streets which border the property through service drives which connect to these arterial streets. New improvements proposed in this project will not change or interrupt this drainage scheme. The new construction will eliminate approximately 20,000 CF of onsite ponding which exists at the bottom of the east parking lot. Approximately 7 cfs of this runoff will instead be directed to Indian School/Odelia Rd. drainage facilities north of the site. An additional 3 cfs will be directed thru onsite roads to the storm drain facilities in Mountain Rd. to the south.

Onsite facilities are more than adequate to convey the 100 year developed flows since the south access road has a minimum capacity of 58 cfs and the north access road can handle a minimum of 86 cfs. The actual 100 year flows onsite are well below that capacity.

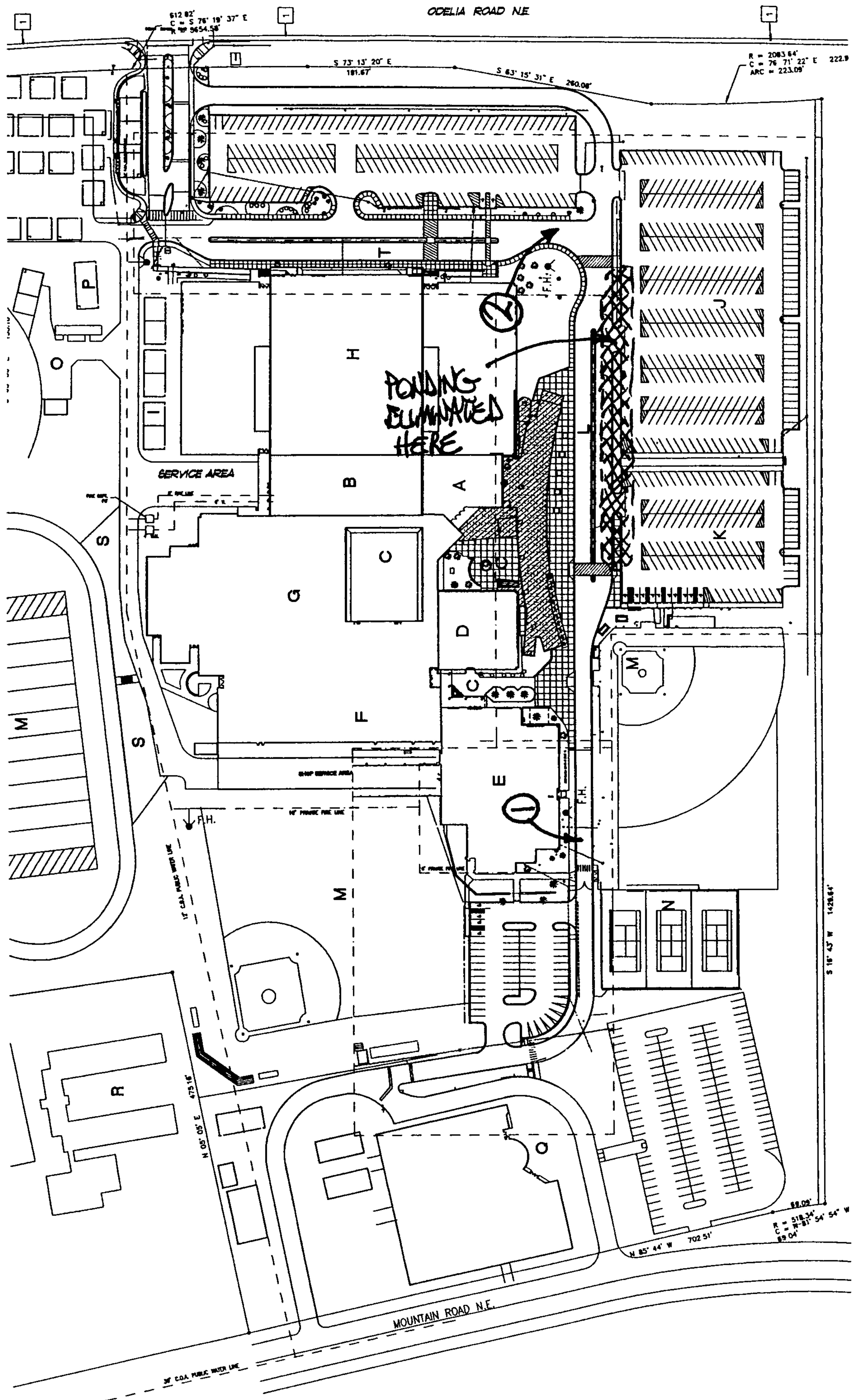
6 1 0 0 Indian School Road NE • Suite 2 1 0
Albuquerque • New Mexico • 8 7 1 1 0
(5 0 5) 8 8 1 - 3 0 0 8 • Facsimile (5 0 5) 8 8 4 - 5 3 9 0

Mike J. Walla P.E.

Larry E. Kennedy

ROAD CAPACITY
1. 58 CFS
2. 86 CFS

4
Z



Albuquerque High School Addition

PRECIPITATION ZONE 2

DESIGN STORM: (IN) 1hr 6hr 24hr 4day 10day
 2.01 2.35 2.75 3.30 3.95

EXISTING CONDITIONS - NORTH PARKING REVISIONS

LAND	AREA	AREA	P6	Q	Q	V6	V24	V4day	V10day
TRTMNT	(ACRE)	%		(CFS/AC)	(CFS)	(CF)	(CF)	(CF)	(CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.734	15%	0.78	2.28	1.67	2,078	2,078	2,078	2,078
C	1.331	27%	1.13	3.14	4.18	5,460	5,460	5,460	5,460
D	2.784	57%	2.12	4.70	13.08	21,425	25,467	31,025	37,594
TOTALS	4.849	100%			18.94	28,962	33,005	38,563	45,132

PROPOSED CONDITIONS - NORTH PARKING LOT REVISIONS

LAND	AREA	AREA	P6	Q	Q	V6	V24	V4day	V10day
TRTMNT	(ACRE)	%		(CFS/AC)	(CFS)	(CF)	(CF)	(CF)	(CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.689	14%	0.78	2.28	1.57	1,951	1,951	1,951	1,951
C	0.842	17%	1.13	3.14	2.64	3,454	3,454	3,454	3,454
D	3.318	68%	2.12	4.70	15.59	25,534	30,352	36,976	44,805
TOTALS	4.849	100%			19.81	30,939	35,756	42,381	50,210

EXISTING CONDITIONS - BUILDING ADDITION/EAST LOT REVISIONS

LAND	AREA	AREA	P6	Q	Q	V6	V24	V4day	V10day
TRTMNT	(ACRE)	%		(CFS/AC)	(CFS)	(CF)	(CF)	(CF)	(CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.473	7%	0.78	2.28	1.08	1,339	1,339	1,339	1,339
C	1.193	17%	1.13	3.14	3.75	4,894	4,894	4,894	4,894
D	5.379	76%	2.12	4.70	25.28	41,395	49,205	59,944	72,636
TOTALS	7.045	100%			30.11	47,627	55,438	66,177	78,869

PROPOSED CONDITIONS - BUILDING ADDITION/EAST LOT REVISIONS

LAND	AREA	AREA	P6	Q	Q	V6	V24	V4day	V10day
TRTMNT	(ACRE)	%		(CFS/AC)	(CFS)	(CF)	(CF)	(CF)	(CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.287	4%	0.78	2.28	0.65	813	813	813	813
C	0.906	13%	1.13	3.14	2.84	3,716	3,716	3,716	3,716
D	5.852	83%	2.12	4.70	27.50	45,035	53,532	65,215	79,023
TOTALS	7.045	100%			31.00	49,564	58,061	69,744	83,552

EXISTING CONDITIONS - SOUTH PARKING LOT ADDITION

LAND TRTMNT	AREA (ACRE)	AREA %	P6	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	1.102	41%	0.78	2.28	2.51	3,120	3,120	3,120	3,120
C	0.458	17%	1.13	3.14	1.44	1,879	1,879	1,879	1,879
D	1.138	42%	2.12	4.70	5.35	8,758	10,410	12,682	15,367
TOTALS	2.698	100%			9.30	13,756	15,409	17,681	20,366

PROPOSED CONDITIONS - SOUTH PARKING LOT ADDITION

LAND TRTMNT	AREA (ACRE)	AREA %	P6	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	1.174	44%	0.78	2.28	2.68	3,324	3,324	3,324	3,324
C	0.400	15%	1.13	3.14	1.26	1,641	1,641	1,641	1,641
D	1.124	42%	2.12	4.70	5.28	8,650	10,282	12,526	15,178
TOTALS	2.698	100%			9.22	13,615	15,247	17,491	20,143

EXISTING CONDITIONS - EAST LOT - NORTH END

LAND TRTMNT	AREA (ACRE)	AREA %	P6	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.000	0%	0.78	2.28	0.00	0	0	0	0
C	0.000	0%	1.13	3.14	0.00	0	0	0	0
D	1.982	100%	2.12	4.70	9.32	15,253	18,131	22,088	26,764
TOTALS	1.982	100%			9.32	15,253	18,131	22,088	26,764

EXISTING CONDITIONS - EAST LOT - SOUTH END

LAND TRTMNT	AREA (ACRE)	AREA %	P6	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.53	1.56	0.00	0	0	0	0
B	0.000	0%	0.78	2.28	0.00	0	0	0	0
C	0.000	0%	1.13	3.14	0.00	0	0	0	0
D	0.867	100%	2.12	4.70	4.07	6,672	7,931	9,662	11,708
TOTALS	0.867	100%			4.07	6,672	7,931	9,662	11,708

Activate By 'Clicking' on the Map

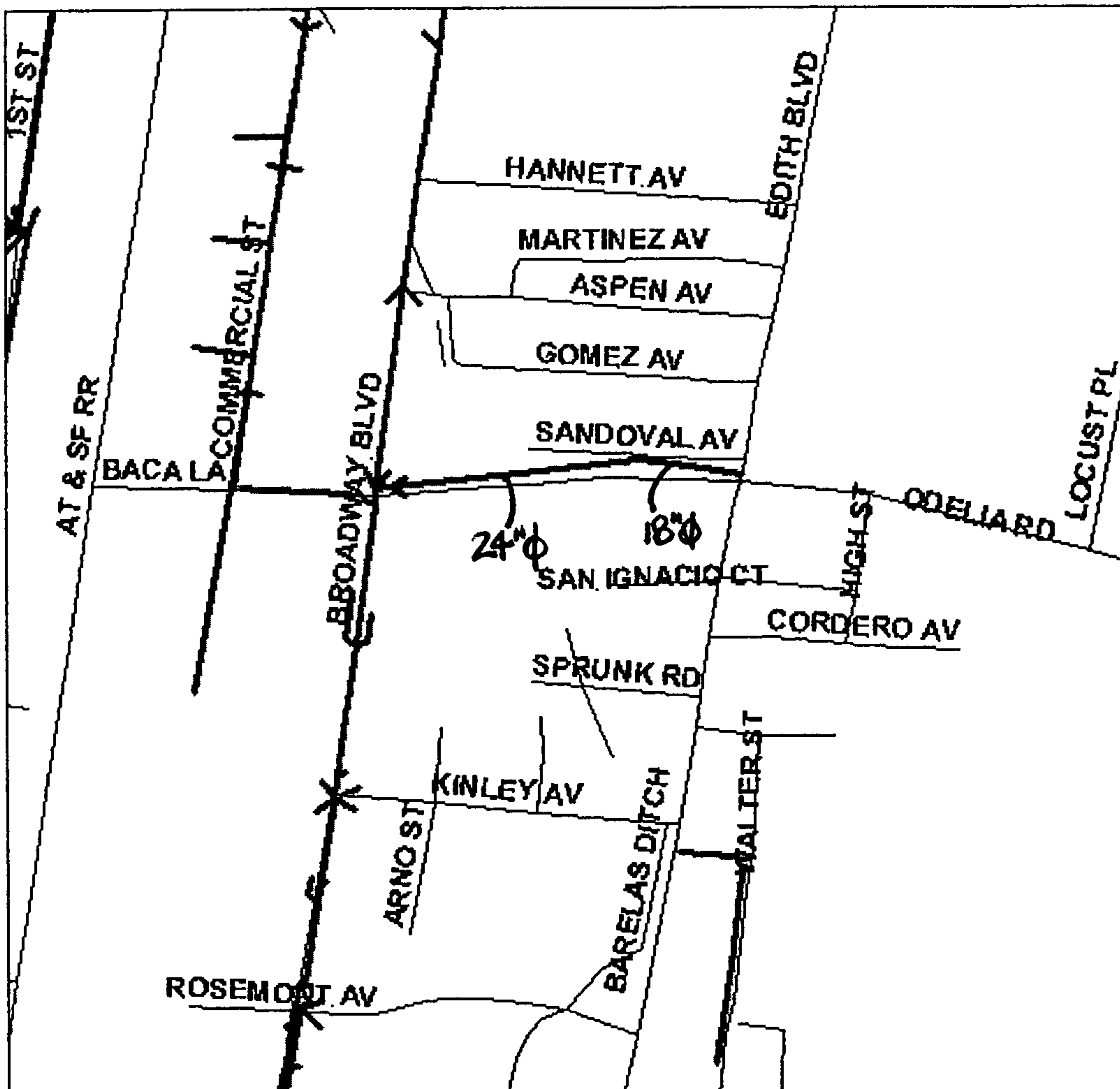
Zoom In Id Address Pan Zoom Out

CITY



LAY

- ☒ STREET
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- ☐ COMM
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Redraw Screen

1999 AIR PHOTO (Metro Area Coverage)

20
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NEW GIS QUERY

Worksheet
Worksheet for Rectangular Channel

Project Description	AHS - NORTH ACCESS ROAD (WORST CASE)
Worksheet	Rectangular Chann
Flow Element	Rectangular Chann
Method	Manning's Formula
Solve For	Discharge

Input Data	
Mannings Coeff	0.013
Slope	006667 ft/ft
Depth	0.50 ft
Bottom Width	30.00 ft

Results	
Discharge	86.28 cfs
Flow Area	15.0 ft²
Wetted Perim	31.00 ft
Top Width	30.00 ft
Critical Depth	0.64 ft
Critical Slope	0.003027 ft/ft
Velocity	5.75 ft/s
Velocity Head	0.51 ft
Specific Energ	1.01 ft
Froude Numb	1.43
Flow Type	Supercritical

Worksheet
Worksheet for Rectangular Channel

Project Description	
Worksheet	Rectangular Chann
Flow Element	Rectangular Chann
Method	Manning's Formula
Solve For	Discharge

AAS - SOUTH ACCESS ROAD (WORST CASE)

Input Data	
Mannings Coeff	0.013
Slope	004000 ft/ft
Depth	0.50 ft
Bottom Width	24.00 ft

Results	
Discharge	58.18 cfs
Flow Area	12.0 ft ²
Wetted Perim	25.00 ft
Top Width	24.00 ft
Critical Depth	0.53 ft
Critical Slope	0.003216 ft/ft
Velocity	4.43 ft/s
Velocity Head	0.31 ft
Specific Energ	0.81 ft
Froude Numb	1.10
Flow Type	supercritical

Worksheet
Worksheet for Triangular Channel

Project Description	ODELIA RD. - SOUTH HALF
Worksheet	Triangular Channe
Flow Element	Triangular Channe
Method	Manning's Formula
Solve For	Discharge

Input Data	
Mannings Coeff	0.013
Slope	048000 ft/ft
Depth	0.67 ft
Left Side Slope	0.00 H : V
Right Side Slope	50.00 H : V

Results	
Discharge	133.76 cfs
Flow Area	11.2 ft²
Wetted Perim	34.18 ft
Top Width	33.50 ft
Critical Depth	1.12 ft
Critical Slope	0.003066 ft/ft
Velocity	11.92 ft/s
Velocity Head	2.21 ft
Specific Energ	2.88 ft
Froude Numb	3.63
Flow Type	supercritical



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 3, 1994

Jeff Mortensen, P.E.
Jeff Mortensen & Associates, Inc.
6010-B Midway Park Boulevard, NE
Albuquerque, New Mexico 87109

RE: ENGINEER'S CERTIFICATION FOR SCIENCE LAB @ A.H.S. (J-15/D1).
RECEIVED MARCH 2, 1994 FOR CERTIFICATE OF OCCUPANCY RELEASE
ENGINEER'S STAMP DATED 03-01-94

Dear Mr. Mortensen:

Based on the information included in the submittal referenced above, City Hydrology releases a Permanent Certificate of Occupancy for this project.

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

Sincerely,

John P. Curtin, P.E.
Civil Engineer/Hydrology

c: INSPECTOR

WPHYD/3331/jpc

DRAINAGE INFORMATION SHEET

910686

PROJECT TITLE: ALBUQUERQUE HS ZONE ATLAS/DRNG. FILE #: J15/D1

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

LEGAL DESCRIPTION: UNPLATTED

CITY ADDRESS: 800 ODELIA RD NE

ENGINEERING FIRM: JEFF MORTENSEN & ASSOC. CONTACT: JEFF MORTENSEN

ADDRESS: 6010-B MIDWAY PARK BLVD NE PHONE: 345-4250

OWNER: APS, DEPT OF CONTACT: GERARD R. BROWN

ADDRESS: FACILITIES PLANNING & CONSTR PHONE: 242-5865

ARCHITECT: APS CONTACT: GERARD R. BROWN

ADDRESS: _____ PHONE: _____

SURVEYOR: JEFF MORTENSEN & ASSOC CONTACT: JEFF MORTENSEN

ADDRESS: 6010-B MIDWAY PARK BLVD NE PHONE: 345-4250

CONTRACTOR: GERALD MARTIN CONTACT: FRED GOREN

ADDRESS: PO BOX 91450 PHONE: 828-1144

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

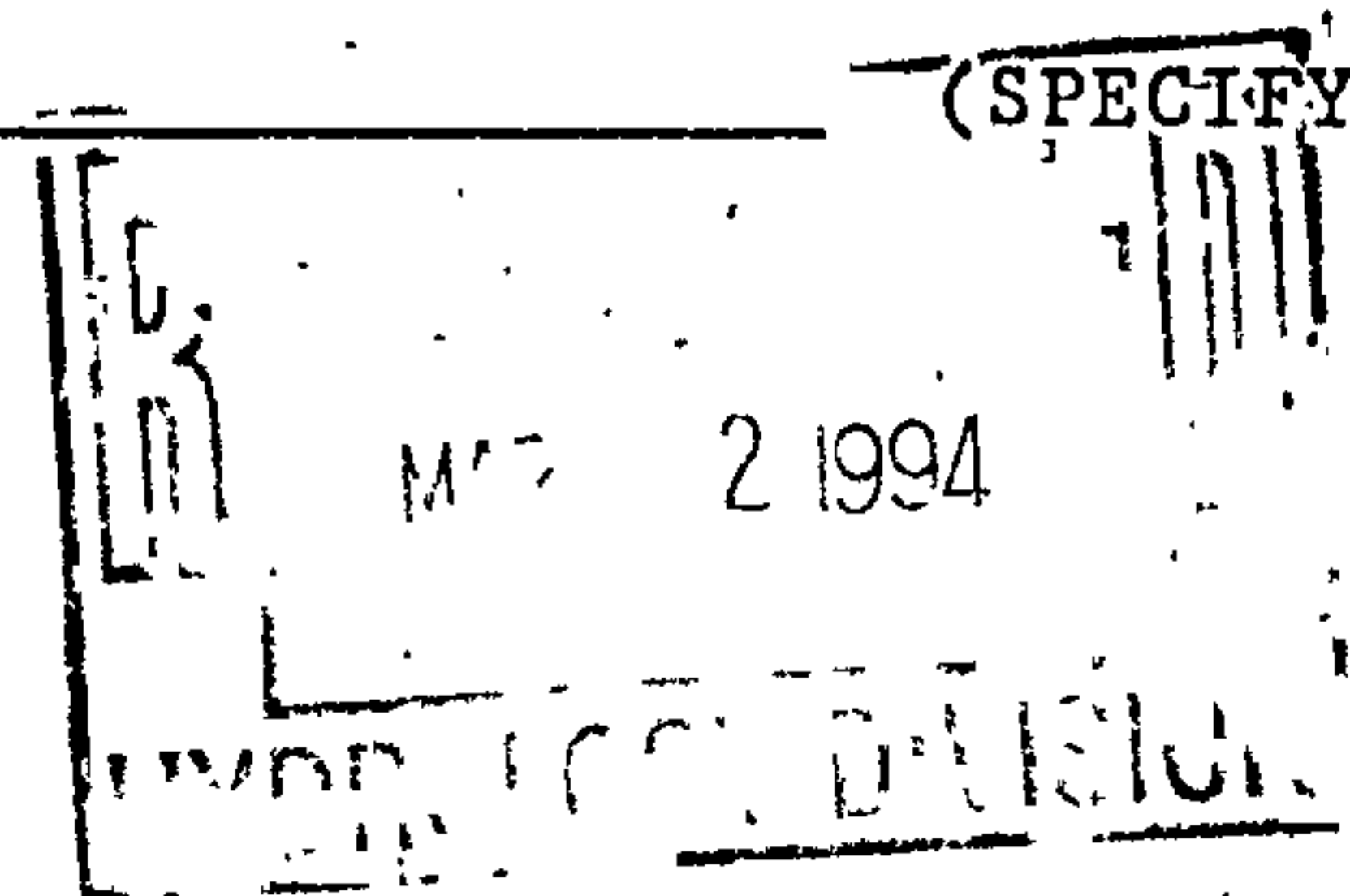
- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

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: 03/01/94

BY: JEFFREY G. MORTENSEN





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 4, 1994

Jeff Mortensen, P.E.
Jeff Mortensen & Associates, Inc.
6010-B Midway Park Boulevard, NE
Albuquerque, New Mexico 87109

RE: ENGINEER'S CERTIFICATION FOR SCIENCE LAB @ A.H.S. (J-15/D1)-
RECEIVED JANUARY 4, 1994 FOR CERTIFICATE OF OCCUPANCY RELEASE
ENGINEER'S STAMP DATED 01-04-94

Dear Mr. Mortensen:

Based on the information included in the submittal referenced above, City Hydrology releases a Temporary Certificate of Occupancy for this project.

The following comments must be addressed before a Permanent Certificate of Occupancy will be released:

1. The pond at the northwest corner of the site (Sheets C-6 & C-13) must be regraded to provide the storage volume required. Since the invert of the outlet pipe is higher than proposed (12.68 instead of 10.80), the pond must cover a larger area or the outlet pipe must be reinstalled to proposed elevations.
2. The speed bump between Sub-basin A1-d and Basin A2 must be constructed.
3. The pond south of the Science Lab Addition (Sheets C-8 & C-9) must be regraded to provide the storage volume required. The outlet pipe currently has an adverse slope (26.49 to 26.56).
4. The pond south of the Tennis Courts must be constructed in accordance to the plan on Sheet C-8.
5. On Sheet C-12, the as-built elevation for the top of grate at the existing pond is 22.69. This is .99' higher than proposed elevation and higher than the bottom of the concrete rundown. Is it correct? If it is, how does this pond drain?
6. Submit copy of the Green Tag for the S.O.19 work completed.

PUBLIC WORKS DEPARTMENT

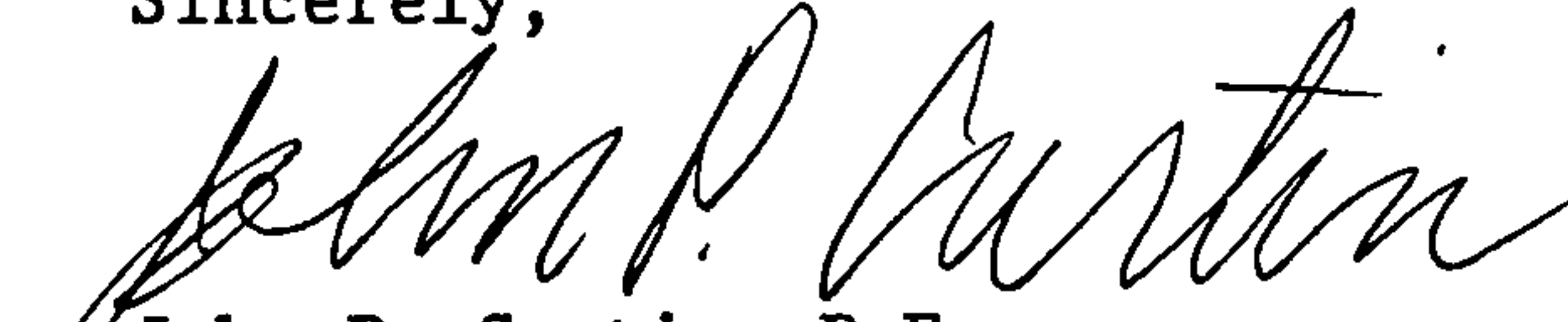
SCIENCE LAB @ A.H.S. (J-15/D1)

January 4, 1994

Page 2 of 2

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,



John P. Curtin, P.E.
Civil Engineer/Hydrology

xc: Alan Martinez

WPHYD/3331/jpc