

# City of Albuquerque

Planning Department

Development &amp; Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: ONATE E.S. KINDERGARTEN BUILDING Building Permit #: \_\_\_\_\_ City Drainage #: H22/DO35

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_

Legal Description: TRACT A. ONATE ELEMENTARY SCHOOLCity Address: 12415 Brentwood Hills NE, Albuquerque NM 87112Engineering Firm: High Mesa Consulting Group Contact: Graeme Means #13676Address: 6010 - B Midway Park Blvd. NE, Albuquerque NM 87109Phone#: 505-345-4250 Fax#: 505-345-4254 E-mail: gmeans@highmesacg.comOwner: Albuquerque Public Schools Contact: Rich Miller

Address: \_\_\_\_\_

Phone#: (505) 848-8835 Fax#: \_\_\_\_\_ E-mail: miller\_ra@aps.eduArchitect: Studio Southwest Architects, INC Contact: Richard T. BraunAddress: 2101 Mountain Road NW, Albuquerque NM 87104Phone#: 505-843-9636 Fax#: 505-843-9683 E-mail: rbraun@studioswarch.com

Other Contact: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Check all that Apply:

**DEPARTMENT:**

- ☒ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION  
☐ MS4/ EROSION & SEDIMENT CONTROL

**TYPE OF SUBMITTAL:**

- ☒ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN  
☐ GRADING PLAN  
☐ DRAINAGE MASTER PLAN  
☐ DRAINAGE REPORT  
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ TRAFFIC IMPACT STUDY (TIS)  
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) \_\_\_\_\_

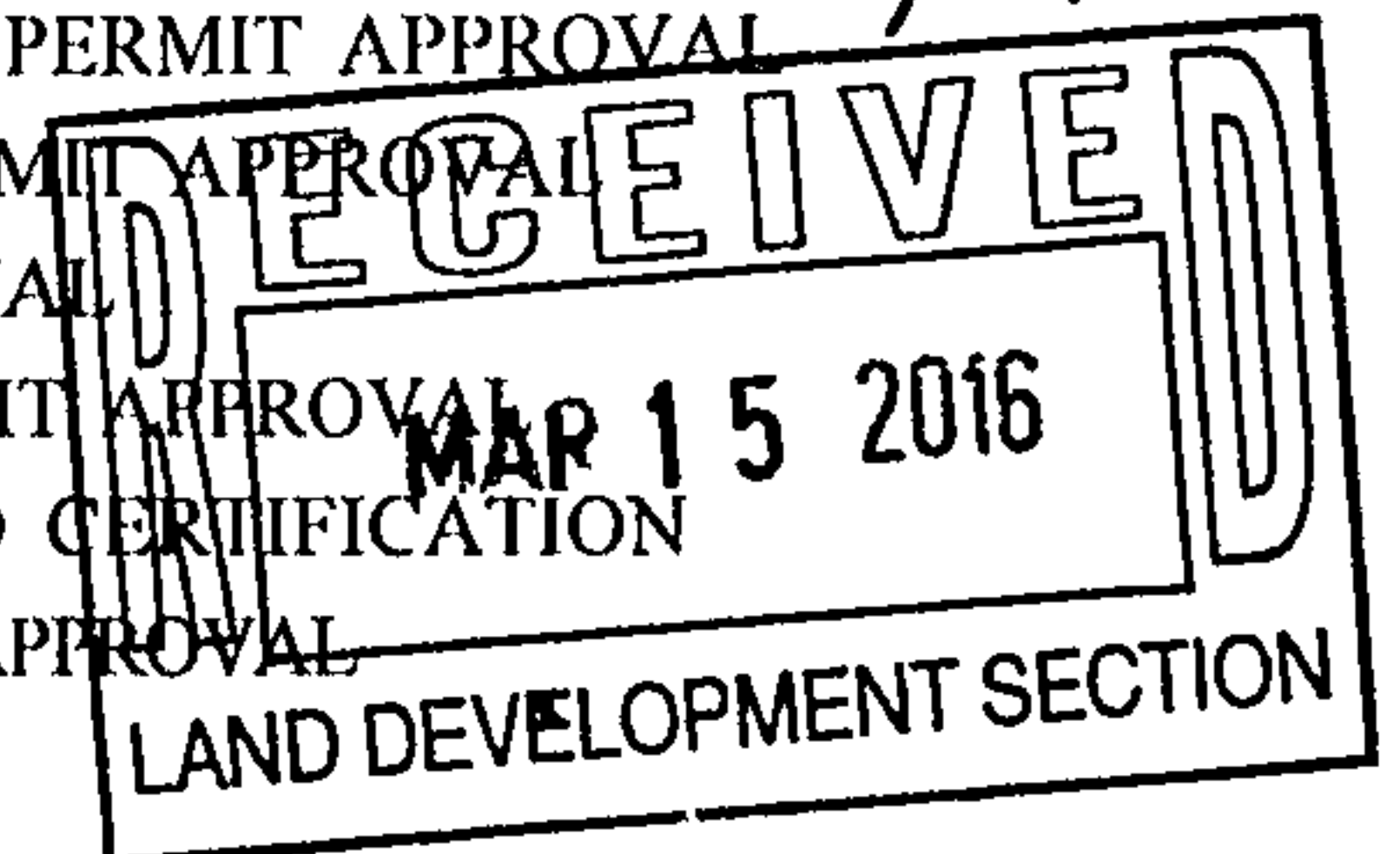
**CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

- ☐ BUILDING PERMIT APPROVAL  
☒ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL  
☐ SITE PLAN FOR SUB'D APPROVAL  
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE  
☐ FOUNDATION PERMIT APPROVAL  
☐ GRADING PERMIT APPROVAL  
☐ SO-19 APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ GRADING/ PAD CERTIFICATION  
☐ WORK ORDER APPROVAL  
☐ CLOMR/LOMR

- ☐ PRE-DESIGN MEETING  
☐ OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?: ☐ Yes ☒ NoDATE SUBMITTED: 03/15/2016 By: Graeme Means

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_



# CITY OF ALBUQUERQUE



March 17, 2016

J. Graeme Means, PE  
High Mesa Consulting Group  
6010 -B Midway Park Blvd NE  
Albuquerque, NM 87109

**Re: Onate E. S. Kindergarten Building  
12415 Brentwood Hills NE  
Request Permanent C.O. - Accepted  
Engineer's Stamp dated: 6/17/2010 (H22D035)  
Certification dated: 3-14-16**

Dear Mr. Graeme,

Based on the Certification received 3/15/2016, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3695 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

New Mexico 87103

Rita Harmon, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

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

TE/RH

C: email

Clerk, Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Lois  
Blocker

# CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development Review Services



January 15, 2016

J. Graeme Means, P.E.  
High Mesa Consulting Group  
6010-B Midway Park Blvd NE  
Albuquerque, NM 87109

Richard J. Berry, Mayor

**RE: Onate E.S. Classroom Building  
Grading and Drainage Plan  
Engineer's Stamp Date 11-19-2015 (File: H22D035)**

Dear Mr. Means:

Based upon the information provided in your submittal received 11-20-15, the above referenced Plan is approved for Building Permit.

Please attach a copy of the approved Grading Plan in the construction sets when submitting for a building permit.

PO Box 1293

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required. If you have any questions, you can contact me at 924-3695.

Albuquerque

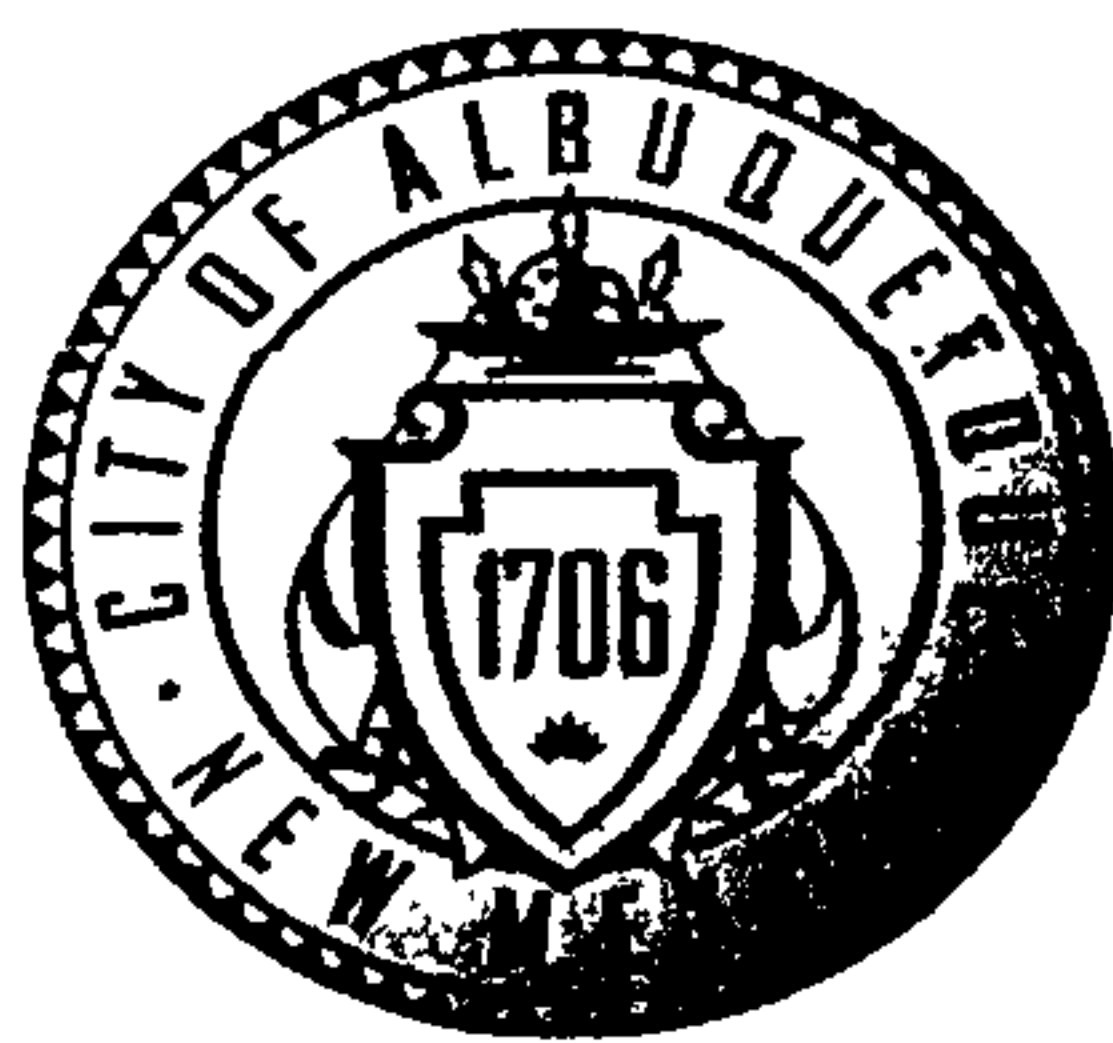
Sincerely,

New Mexico 87103

Rita Harmon, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

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

Orig: Drainage file  
c.pdf: via Email



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: ONATE E.S. CLASSROOM BUILDING Building Permit #: \_\_\_\_\_ City Drainage #: H22/DO35

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_

Legal Description: TRACT A. ONATE ELEMENTARY SCHOOL

City Address: 12415 Brentwood Hills NE, Albuquerque NM 87112

Engineering Firm: High Mesa Consulting Group Contact: Graeme Means #13676

Address: 6010 - B Midway Park Blvd. NE, Albuquerque NM 87109

Phone#: 505-345-4250 Fax#: 505-345-4254 E-mail: gmeans@highmesacg.com

Owner: Albuquerque Public Schools Contact: Architect

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Architect: Studio Southwest Architects, INC Contact: Richard T. Braun

Address: 2101 Mountain Road NW, Albuquerque NM 87104

Phone#: 505-843-9636 Fax#: 505-843-9683 E-mail: rbraun@studioswarch.com

Other Contact: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Check all that Apply:

### DEPARTMENT:

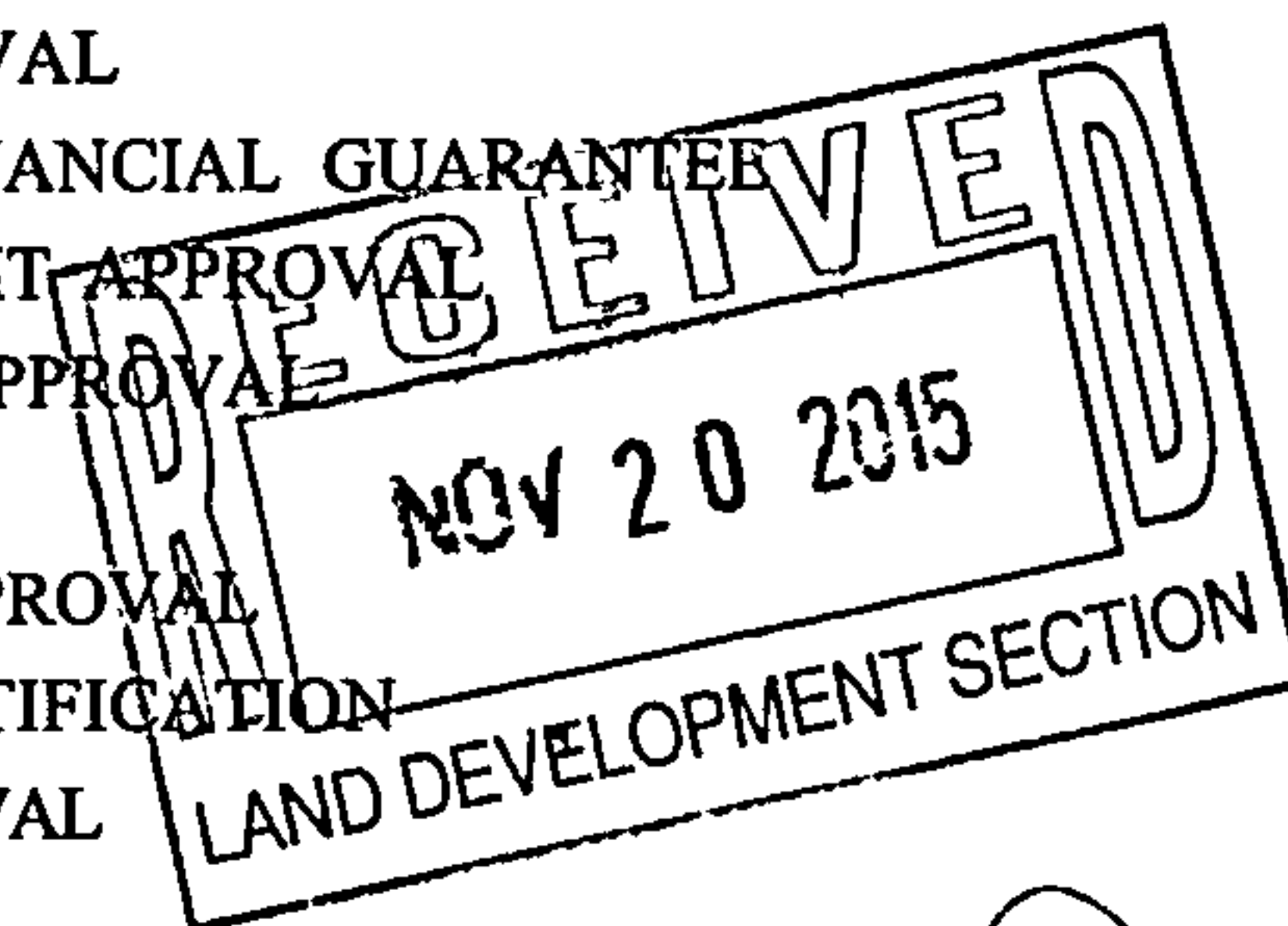
- ☒ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION  
☐ MS4/ EROSION & SEDIMENT CONTROL

### TYPE OF SUBMITTAL:

- ☐ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN  
☐ GRADING PLAN  
☐ DRAINAGE MASTER PLAN  
☐ DRAINAGE REPORT  
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ TRAFFIC IMPACT STUDY (TIS)  
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) \_\_\_\_\_

### CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☒ BUILDING PERMIT APPROVAL  
☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL  
☐ SITE PLAN FOR SUB'D APPROVAL  
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE  
☐ FOUNDATION PERMIT APPROVAL  
☐ GRADING PERMIT APPROVAL  
☐ SO-19 APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ GRADING/ PAD CERTIFICATION  
☐ WORK ORDER APPROVAL  
☐ CLOMR/LOMR
- ☐ PRE-DESIGN MEETING  
☐ OTHER (SPECIFY) \_\_\_\_\_



IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

DATE SUBMITTED: 11/20/2015 By: Graeme Means

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_







**Cherne, Curtis**

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**From:** Cherne, Curtis  
**Sent:** Monday, February 27, 2012 1:55 PM  
**To:** 'Graeme Means'  
**Subject:** RE: onate E.S. Site Improvements

Graeme,

A Paving Permit is not required. You don't have to submit a G & D to Hydrology for approval. It would be nice if they kept dirt of the channel in the area of the penetration.

Curtis

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**From:** Graeme Means [mailto:GMeans@highmesacg.com]  
**Sent:** Thursday, February 23, 2012 3:13 PM  
**To:** Cherne, Curtis  
**Subject:** FW: onate E.S. Site Improvements

Curtis,

Attached herewith is a plan depicting an asphalt sidewalk, ditch, and pipe that would minimize erosion and sediment issues in the interim condition between now and when the new building can be constructed at the site in 2014. It would also provide a pedestrian link from the existing parking lot to the north side of the site. The existing parking lot is not being repaved or revised, just having the cracks sealed and the old stripes traced/freshened up. As discussed, the pavement area is a little over the 1000 SF threshold for a paving permit using the 8' sidewalk we'd like to install. A 6' sidewalk would put us under, but actually cost more as it would be hand work and not laydown machine.

Please let us know if a grading and drainage plan will be required for paving permit for this project.

Thank you,

Graeme



**J. Graeme Means, P.E.**  
Principal

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

Phone: 505.345.4250  
Fax: 505.345.4254  
gmeans@highmesacg.com

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**From:** Graeme Means  
**Sent:** Thursday, February 09, 2012 4:34 PM  
**To:** Marie Alvidrez (mardrez@aol.com); 'Salomon Zamora'  
**Cc:** 'Mason, Tyler M'; Shaw, Frank C  
**Subject:** onate E.S. Site Improvements

Marie and Salomon,

2/27/2012

Transmitted herewith for your use and information is a pdf file depicting the improvements we discussed in our site meeting last week.

Salomon – please confirm that it matches what you have proposed to APS

Marie – we have a full sized copy up front for your use.

Let us know if you have any questions or comments.

Thank you,

Graeme



**J. Graeme Means, P.E.**  
Principal

6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109  
[www.highmesacg.com](http://www.highmesacg.com)

Phone: 505.345.4250  
Fax: 505.345.4254  
[gmeans@highmesacg.com](mailto:gmeans@highmesacg.com)





# CITY OF ALBUQUERQUE



December 10, 2010

J. Graeme Means, P.E.  
**High Mesa Consulting Group**  
6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109

**Re: Onate Elementary School Portable Relocation Ph I,  
(H-22/D035), 12415 Brentwood Hills NE,  
Engineer's Stamp Date: 03/04/10  
Certification Date: 12-06-10**

Dear Mr. Means,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan received on 12-08-10, 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

PO Box 1293

Albuquerque

NM 87103

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

C: file



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 01/06 - KDM)

## PORTABLE RELOCATION – PHASE 1

PROJECT TITLE: Ocate Elementary School – Portable Classrooms ZONE MAP: H-22/D035  
 DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract A, Ocate Elementary School  
 CITY ADDRESS: 12415 Brentwood Hills, NE, Albuquerque, New Mexico 87112

NMPE 13676

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

OWNER: Albuquerque Public Schools CONTACT: Sal War  
 ADDRESS: 915 Oak Street SE PHONE: 505-765-5950 ext 289  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87106

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

NMPS 11184

SURVEYOR: High Mesa Consulting Group CONTACT: Charles G. Cala, Jr. PS  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

CONTRACTOR: Contact Albuquerque Public Schools CONTACT: Sal War  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

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 (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

☐ GRADING PERMIT APPROVAL

☐ PAVING PERMIT APPROVAL

☐ WORK ORDER APPROVAL

☒ OTHER (SPECIFY) Cert

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES

☒ NO

☐ COPY PROVIDED

DATE SUBMITTED: December 7, 2010

BY: Debie LeBlanc  
 Debie LeBlanc Trujillo for J. Graeme Means, 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.



# CITY OF ALBUQUERQUE



December 7, 2010

J. Graeme Means, P.E.  
**High Mesa Consulting Group**  
6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109

**Re: Onate Elementary School Private Fire Road & Access Improvements,  
(H-22/D035), 12415 Brentwood Hills NE,**

**Engineer's Stamp Date: 03/02/10 & 03/15/10**

**Certification Date: 12-01-10**

Dear Mr. Means,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan received on 12-06-10, 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

PO Box 1293

Albuquerque

NM 87103

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



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 01/06 - KDM)

ONATE ELEMENTARY SCHOOL

PROJECT TITLE: PRIVATE FIRE ROAD AND ACCESS IMPROVEMENTS ZONE MAP: H-22/D035

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tract A, Onate Elementary School

CITY ADDRESS: 12415 Brentwood Hills, NE, Albuquerque, New Mexico 87112

NMPE 13676

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

OWNER: Albuquerque Public Schools CONTACT: Frank Shaw  
 ADDRESS: 915 Oak Street SE PHONE: 505- 842-3707  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87106

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

NMPS 11184

SURVEYOR: High Mesa Consulting Group CONTACT: Charles G.Cala,Jr.PS  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

CONTRACTOR: Altor Construction – Contact High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## 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 (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  
☐ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ WORK ORDER APPROVAL  
☒ OTHER (SPECIFY) DRAINAGE REQUIREMENTS

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☒ NO  
☐ COPY PROVIDED

DATE SUBMITTED: December 6, 2010

BY: \_\_\_\_\_

Debie LeBlanc Trujillo for J. Graeme Means, PE

DEC 6 2010

**HYDROLOGY  
SECTION**

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.



# CITY OF ALBUQUERQUE



June 21, 2010

J. Graeme Means, P.E.  
High Mesa Consulting Group  
6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109

**Re: Onate Elementary School Grading and Drainage Plan  
Engineer's Stamp date 6-17-10 (H22/D035)**

Dear Mr. Means,

Based upon the information provided in your submittal received 6-17-10, the above referenced plan is approved for Building Permit.

Prior to Temporary or Permanent Certificate of Occupancy release:

- Engineer Certification per the DPM checklist will be required.
- The fire lane road and the concrete rundown east of the existing Admin and classroom building are required to be built and certified.

This is the plan to certify for release of Certificate of Occupancy.

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

Sincerely,

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

201493427

C: file

PO Box 1293

Albuquerque

NM 87103

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



**DRAINAGE AND TRANSPORTATION INFORMATION SHEET**

(REV 01/06 - KDM)

**PRIVATE FIRE ROAD AND ACCESS IMPROVEMENTS**

PROJECT TITLE: Ocate Elementary School ZONE MAP: H-22/D035  
 DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Unplatted Land in Section 10, Township 10 North, Range 4 East  
 CITY ADDRESS: 12415 Brentwood Hills, NE, Albuquerque, New Mexico 87112

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

OWNER: Albuquerque Public Schools CONTACT: Myron Johnson  
 ADDRESS: 915 Oak Street SE PHONE: 505-848-8811  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87106

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

SURVEYOR: High Mesa Consulting Group CONTACT: Charles G. Cala, Jr. PS  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

CONTRACTOR: Altor Construction – Contact High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

**TYPE OF SUBMITTAL:**

\_\_\_\_ DRAINAGE REPORT  
 \_\_\_\_ DRAINAGE PLAN  
☒ **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  
 \_\_\_\_ GRADING PERMIT APPROVAL  
 \_\_\_\_ PAVING PERMIT APPROVAL  
 \_\_\_\_ WORK ORDER APPROVAL  
 \_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

WAS A PRE-DESIGN CONFERENCE ATTENDED:

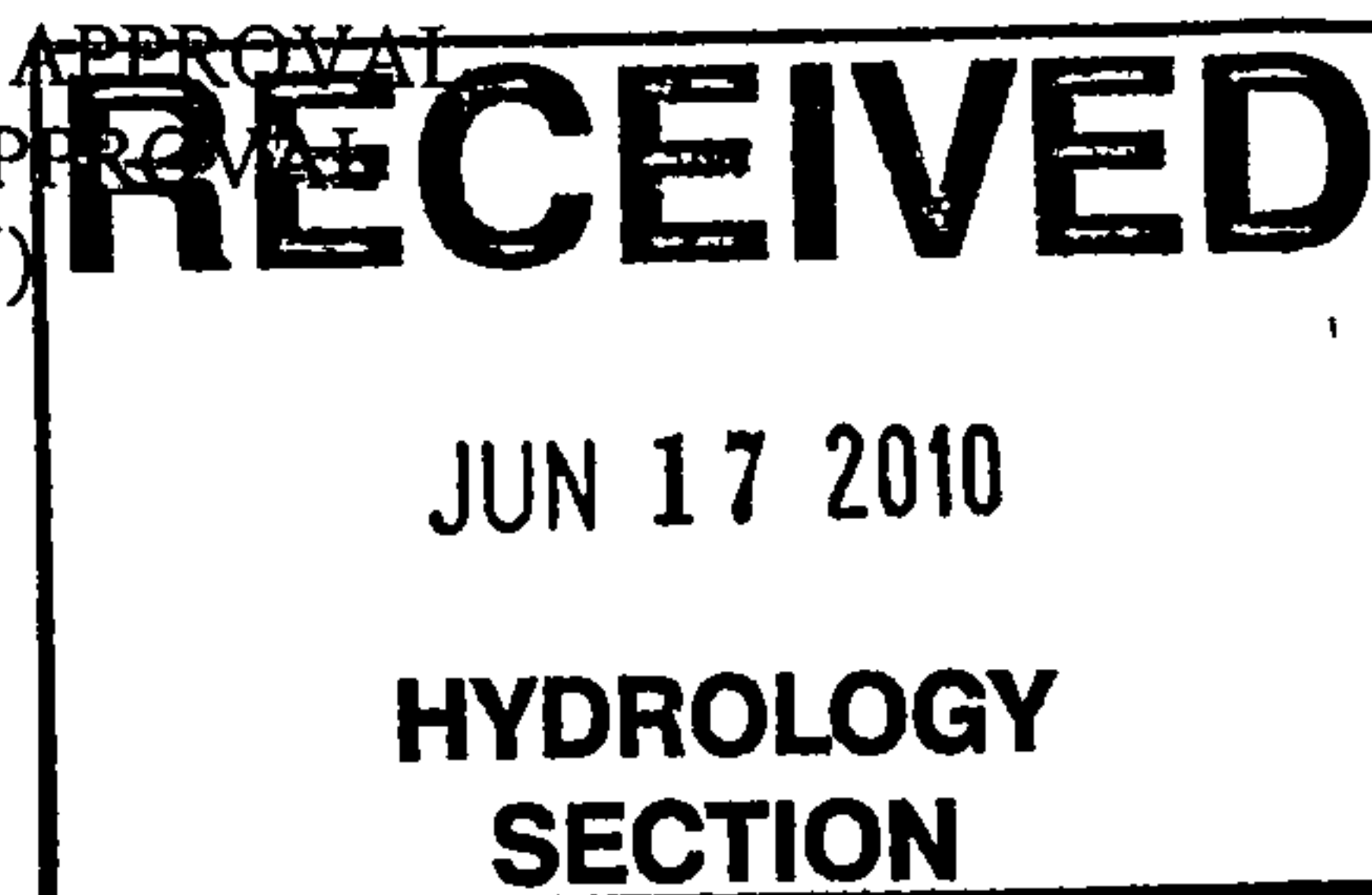
\_\_\_\_ YES  
☒ NO  
 \_\_\_\_ COPY PROVIDED

DATE SUBMITTED: June 17, 2010 BY: Debie LeBlanc Trujillo  
 for J. Graeme Means, 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:

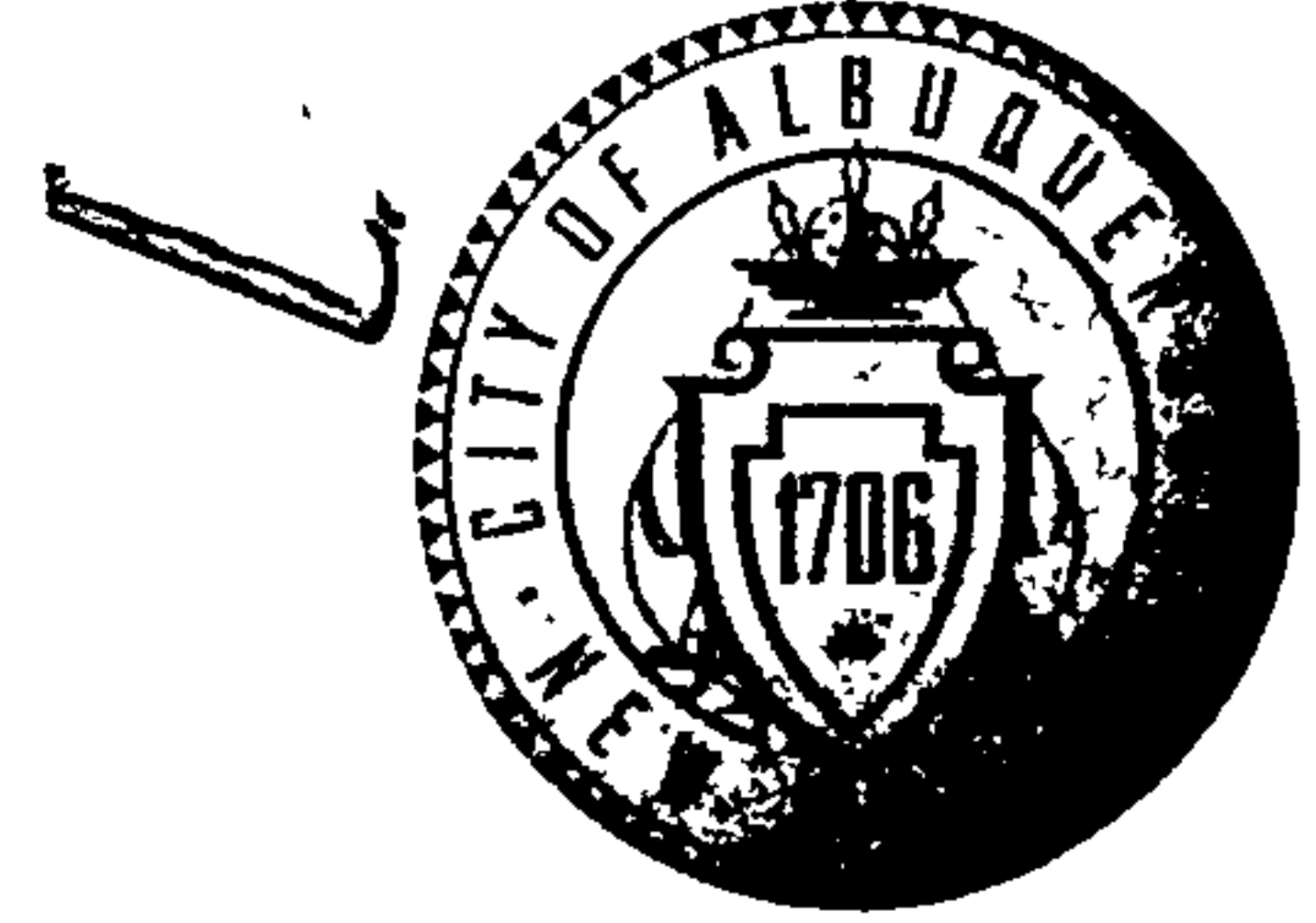
1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

xc: **Frank Shaw, Construction Manager, APS FD&C- w/enc.**  
**Saige Cox, Studio SW Architects - w/mylar**





# CITY OF ALBUQUERQUE



March 5, 2010

J. Graeme Means, P.E.  
High Mesa Consulting Group  
6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109

**Re: Onate Elementary School Private Fire Road Grading and Drainage Plan  
Engineer's Stamp date 3-2-10 (H22/D035)**

Dear Mr. Means,

Based upon the information provided in your submittal received 3-3-10, the above referenced plan cannot be approved for Grading Permit or Paving Permit until the following comments are addressed:

- It appears the fire lane does not have capacity on the west side of the site where the slope is 0.007. I calculated the capacity of the road as 14.5 cfs and assumed the flow to be 19 cfs (Basin A + Basin C – 2 cfs). Provide street flow calculations.
- At the west corner in the fire road, momentum may carry the runoff over the 6" curb.
- On Sheet C-106, Keynotes 19, 20 and 21 are missing. Keynote 4 indicates it is not used, however the legend specifies Proposed Asphalt.
- How wide is the proposed curb cut near the downstream end of the channel on Sheet C-106?
- Why is a high point (64.6) proposed upstream of the proposed 2 foot channel? Besides damming up an area it creates a 2:1 slope.
- Sheet C-106 requires a date and signature on the P.E. stamp.

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

Sincerely,

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

C: file

PO Box 1293

Albuquerque

NM 87103

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

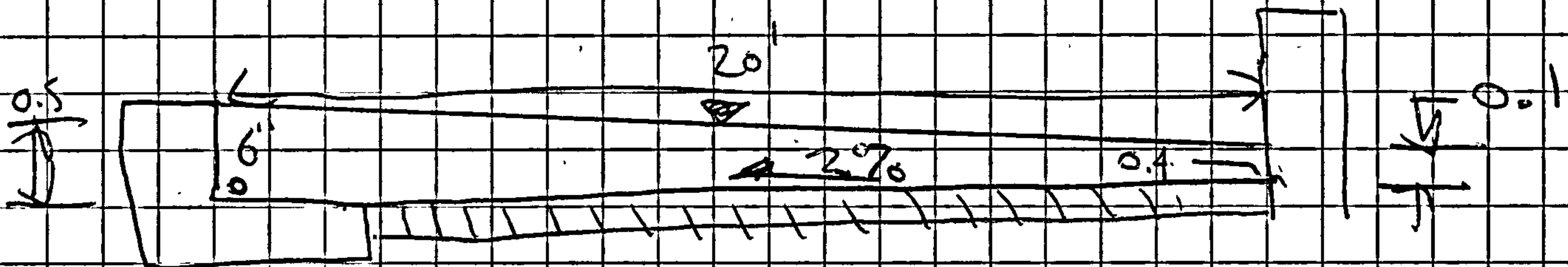


Section A-A Capacity

$$Q_{100} = 21.0 \text{ cfs}$$

$$S = 0.0071$$

$$n = 0.017 \text{ (AL)}$$



$$Q = \frac{1.49}{n} A R^{2/3} S^{1/2}$$

$$A = \left(\frac{1}{2}\right)(0.5 + 0.1)(20) = 6.0 \text{ SF}$$

$$P = 20.6 \text{ ft}$$

$$R = A/P = 0.291262$$

$$Q = \left(\frac{1.49}{0.017}\right) (6.0) (0.291262)^{2/3} (0.0071)^{1/2}$$

$$Q = (87.65) (6.0) (0.4376) (0.08426) = \underline{\underline{19.4 \text{ cfs}}}$$

$$Q_{100} @ \text{Top} = 7.5$$

BASIN A 13.5

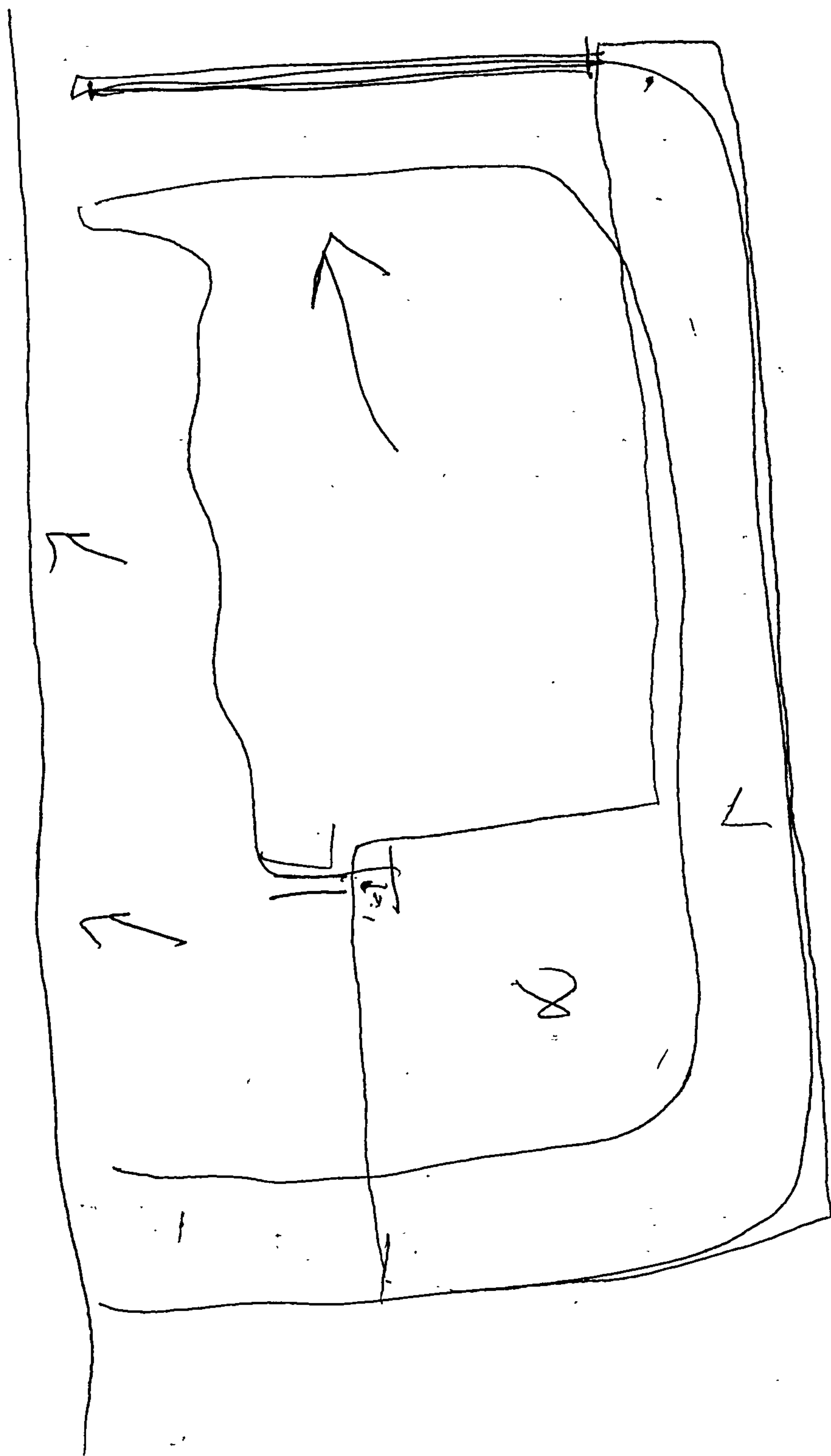
Go to 8"  $\rightarrow A = \left(\frac{1}{2}\right)(0.67 + 0.27)(20) = 9.4 \text{ SF}$

$$P = 20.94$$

$$R = A/P = \frac{9.4}{20.94} = 0.4489$$

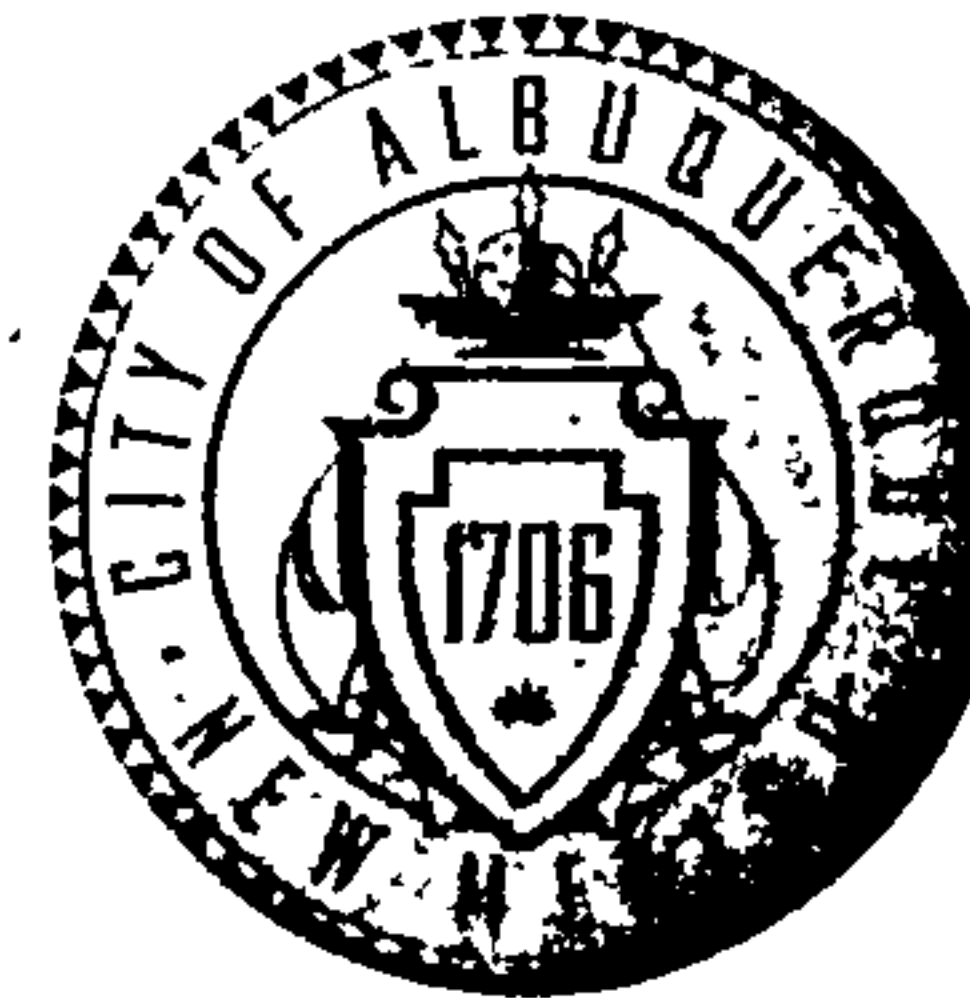
$$Q = 40.6 \text{ cfs}$$







# CITY OF ALBUQUERQUE



September 30, 2009

J. Graeme Means, P.E.  
High Mesa Consulting Group  
6010-B Midway Park Blvd. NE  
Albuquerque, NM 87109

**Re: Onate Elementary School Grading and Drainage Plan**  
**Engineer's Stamp date 9-25-09 (H22/D035)**

Dear Mr. Means,

Based upon the information provided in your submittal received 9-25-09, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

PO Box 1293

Prior to Temporary or Permanent Certificate of Occupancy release:

- Engineer Certification per the DPM checklist will be required.
- The fire lane road and the concrete rundown east of the existing Admin and classroom building are required to be built and certified.

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit for storm water discharge.

NM 87103

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

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

Sincerely,

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

C: file  
Kathy Verhage, DMD



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 01/06 - KDM)

PROJECT TITLE: Onate Elementary School ZONE MAP: H-22 1D035A  
 DRE#: \_\_\_\_\_ EPC#: \_\_\_\_\_ WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Unplatted Land in Section 10, Township 10 North, Range 4 East  
 CITY ADDRESS: 12415 Brentwood Hills, NE, Albuquerque, New Mexico 87112

ENGINEERING FIRM: High Mesa Consulting Group CONTACT: J Graeme Means, PE  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

OWNER: Albuquerque Public Schools CONTACT: KC Titsworth  
 ADDRESS: 915 Oak Street SE PHONE: 505-848-8823  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87106

ARCHITECT: Studio Southwest Architects Inc. CONTACT: Saige Cox  
 ADDRESS: 2101 Mountain Road NW PHONE: 505-843-9639  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87104

SURVEYOR: High Mesa Consulting Group CONTACT: Charles G. Cala, Jr. PS  
 ADDRESS: 6010 Midway Park Blvd. NE PHONE: 505-345-4250  
 CITY, STATE: Albuquerque, New Mexico ZIP CODE: 87109

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

## 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 (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  
 \_\_\_\_ GRADING PERMIT APPROVAL  
 \_\_\_\_ PAVING PERMIT APPROVAL  
 \_\_\_\_ WORK ORDER APPROVAL  
 \_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

WAS A PRE-DESIGN CONFERENCE ATTENDED:

\_\_\_\_ YES  
☒ NO  
 \_\_\_\_ COPY PROVIDED

DATE SUBMITTED: September 25, 2009 BY: J. Graeme Means, 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.