

March 13, 2009

Mario Juarez-Infante, P.E. Wilson & Company, Inc. 4900 Lang Ave. NW Albuquerque, NM 87109

Re: Madison Middle School, 3501 Moon NE,

(G-20/D034)

Approval of Permanent Certificate of Occupancy,

Engineer's Revised Stamp Dated: 9-27-09

Engineer's Certification Date: 3-12-09

Dear Mr. Infante,

PO Box 1293

Based upon the information provided by our visual inspection on 3/13/09, 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.

NM 87103

www.cabq.gov

Timothy E. Sims

Sincerely,

Plan Checker-Hydrology, Planning Dept Development and Building Services

C: CO Clerk—Katrina Sigala

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE:	MADISON MIDDLE SCHOOL Z	ONE MAP/DRG. FILE#: G-20/むらり		
DRB#:		WORK ORDER #:		
LEGAL DESCRIPT	ION: LOT A BLOCK MADISON JR HIGH	SCHOOL, 0000, MADISON JR HIGH SCHOOL		
CITY ADDRESS:	3501 MOON NE			
ENGINEERING FIF	RM: WILSON & COMPANY	CONTACT: MARIO JUAREZ-INFANTE		
ADDRESS	S: 4900 LANG AVENUE, NE	_ PHONE: <u>(505) 348-4193</u>		
CITY, STA	ATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87109</u>		
OWNER: ALBUC	QUERQUE PUBLIC SCHOOLS	CONTACT: KAREN ALARID		
ADDRESS	S: <u>915 OAK ST., SE</u>	PHONE: <u>(505) 242-5865</u>		
CITY, STA	ATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87106</u>		
ARCHITECT: DI	ESIGN PLUS	CONTACT: RUPAL ENGINEER		
	S: 209 GOLD AVENUE, SW	PHONE: (505) 842-6789		
CITY, STA	ATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87102</u>		
SURVEYOR: W	ILSON & COMPANY	CONTACT: Ben Aragon		
	S: 4900 LANG AVENUE, NE	PHONE: (505) 348-4035		
		ZIP CODE: <u>87109</u>		
CONTRACTOR:		_ CONTACT: PHONE:		
	S: ATE:			
CHECK TYPE OF S		CHECK TYPE OF APPROVAL SOUGHT:		
DRAINAGE RE		SIA / FINANCIAL GUARANTEE RELEASE		
		UAL PRELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D. APPROVAL		
GRADING PLA	. GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB D. APPROVAL S. DEV. PLAN FOR BLDG. PERMIT APPROVAL		
EROSION CON		SECTOR PLAN APPROVAL		
	ERTIFICATION (HYDROLOGY)	FINAL PLAT APPROVAL		
CLOMR\LOMR		FOUNDATION PERMIT APPROVAL		
	CULATION LAYOUT (TCL)	BUILDING PERMIT APPROVAL		
	ERTIFICATION (TCL)	CERTIFICATION OF OCCUPANCY (PERM.)		
	ERTIFICATION (DRB, APPR. SITE PLAN)	CERTIFICATION OF OCCUPANCY (TEMP.)		
OTHER:		GRADING PERMIT APPROVAL		
		PAVING PERMIT APPROVAL		
		WORK ORDER APPROVAL OTHER (SPECIFY)		
WAS A PRE-DESIG	3N CONFERENCE ATTENDED:			
YES		MAR 1 323 1		
NO				
COPY PRO	VIDED	HYDROLOGY GY SECTION		
Date Submitted:	March 12, 2009	By: Mario Juarez-Infante		

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

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

G-20/D34 629481

#2 (NO PUBLIC EASEMENT)

DRAINAGE COVENANT

This Drainage Covenant, between <u>Albuquerque Public School</u> ("Owner"), whose address is <u>915 Locust SE 87106</u>, and the City of Albuquerque, New Mexico municipal corporation ("City"), whose address is P.O. Box 1293, Albuquerque, New Mexico 87103, is made in Albuquerque, Bernalillo County, New Mexico and is entered into as of the date Owner signs this Covenant.

1. Recital. Owner is the owner of certain real property described as: 3501 Moon St. NE Legal description: Lot A/Block/Subdivision: A/Madison Jr. High School UPC #: 102006022220031524 in Bernalillo County, New Mexico (the "Property"). (Give legal description and filing information).

Pursuant to City ordinances, regulations and other applicable laws, the Owner is required to construct and maintain certain Drainage Facilities on the Property, and the parties wish to enter into this Agreement to establish the obligations and responsibilities of the parties.

2. <u>Description and Construction of Drainage Facilities.</u> Owner shall construct the following "Drainage Facility" within the Property at Owner's sole expense in accordance with the standard plans and specifications approved by the City pursuant to Drainage File No. <u>G20-D34:</u>

Re-grade existing detention ponds located on the west side on the school site to accommodate volumetric storage as identified in the approved Wilson & Company Inc., Drainage Report dated 6/10/05.

The Drainage Facility is more particularly described in the attached Exhibit A. The Owner will not permit the Drainage Facility to constitute a hazard to the health or safety of the general public.

- 3. Maintenance of Drainage Facility. The Owner will maintain the Drainage Facility at Owner's cost in accordance with the approved Drainage Report and plans.
- 4. <u>City's Right of Entry.</u> The City has the right to enter upon the Property at anytime and perform whatever inspection, maintenance or repair of the Drainage Facility it deems appropriate, without liability to the Owner.
- 5. <u>Demand for Construction or Repair.</u> The City may send written notice ("Notice") to the Owner requiring the Owner to construct or repair the Drainage Facility within 30 days ("Deadline") of receipt of the Notice, as provided in Section 11, and the Owner will comply promptly with the requirements of the Notice. The Owner will perform all required work by the Deadline, at Owner's sole expense.
- 6. Failure to Perform by Owner and Emergency Work by City. If the Owner fails to comply with the terms of the Notice by the Deadline, or if the City determines that an emergency condition exists, the City may perform the work itself. The City may assess the Owner for the cost of the work and for any other expenses or damages which result from Owner's failure to perform. The Owner agrees promptly to pay the Other amount

Doc# 2008016276

02/12/2008 02:07 PM Page: 1 of 5 COV R:\$17.00 M. Toulouse, Bernalillo County JAN 1 4 2008

LAND DEVELOPMENT SECTION

assessed. If the Owner fails to pay the City within thirty (30) days after the City gives the Owner written notice of the amount due, the City may impose a lien against Owner's Property for the total resulting amount.

- 7. <u>Liability of City for Repair after Notice or as a Result of Emergency.</u> The City shall not be liable to the Owner for any damages resulting from the City's repair or maintenance following notice to the Owner as required in this agreement or in an emergency unless the damages are the result of the reckless conduct or gross negligence of the City.
- 8. <u>Indemnification.</u> Owner agrees to indemnify and save the City, its officials, agents and employees harmless from all claims, actions, suits and proceedings arising out of or resulting from the Owner's negligent maintenance, construction, repair or use of the Drainage Facility. To the extent, if at all, Section 56-7-1 NMSA 1978 is applicable to this Agreement, this Agreement to indemnify will not extend to liability, claims, damages, losses or expenses, including attorney's fees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications by the indemnitee, or the agents or employees of the indemnitee; or (2) the giving of or the failure to give direction or instructions by the indemnitee, where such giving or failure to give directions or instructions is the primary cause of bodily injury to persons or damage to property.
- 9. <u>Cancellation of Agreement and Release of Covenant.</u> This Agreement may be released if the Drainage Facility is no longer required for the protection of the public health, safety and welfare by the City filing "Notice of Release" with the Bernalillo County Clerk. The Notice of Release must be signed by the City's Chief Administrative Officer, or his designee, and the approval of the City Hydrologist must be endorsed thereon.
- 10. <u>Assessment.</u> Nothing in this agreement shall be construed to relieve the Owner, his heirs, assigns, and successors from an assessment against Owner's Property for improvements to the property under a duly authorized and approved Special Assessment District. The parties specifically agree that the value of the Drainage Facility will not reduce the amount assessed by the City.
- 11. Notice. For purposes of given formal written notice to the Owner, Owner's address is:

Attn: Mr. Martin W. Eckert APS Real Estate 915 Locust SE 87106

Notice may be given to the Owner either in person or by mailing the notice by regular U.S. mail, postage paid. Notice will be considered to have been received by the Owner within three days after the notice is mailed if there is no actual evidence of receipt. The Owner may change Owner's address by given written notice of the change by Certified Mail, return receipt requested, to the City Public Works Department, P.O. Box 1293, Albuquerque, New Mexico, 87103.

12. <u>Term.</u> This Agreement shall continue until terminated by the City pursuant to Section 9 above.

- 13. <u>Binding on Owner's Property.</u> The covenants and obligations of the Owner said forth herein shall be binding on Owner, its heirs, personal representatives, assigns and successors and on Owner's Property and shall constitute covenants running the Owner's Property until released by the City.
- 14. Entire Agreement. This Agreement contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith regarding this subject matter.
- 15. Changes to Agreement. Changes to this Agreement are not binding unless made in writing, signed by both parties.
- 16. Construction and Severability. If any part of this Agreement is held to be invalid or unenforceable, the remainder of the Agreement will remain valid and enforceable if the remainder is reasonably capable of completion.
- 17. <u>Captions</u>. The captions to the sections or paragraphs of this Agreement are not part of this Agreement and will not affect the meaning of construction of any of its provisions.

By: James Lewis Chief Administrative Officer Dated: 2-11-08 REVIEWED BY: City Engineer CITY'S ACKNOWLEDGEMENT STATE OF NEW MEXICO This instrument was acknowledged before me on Fehrman Chief Administrative Officer for the City of Albuquerque, a New Mexico municipal corporation, on behalf of the corporation.

Nótary Public

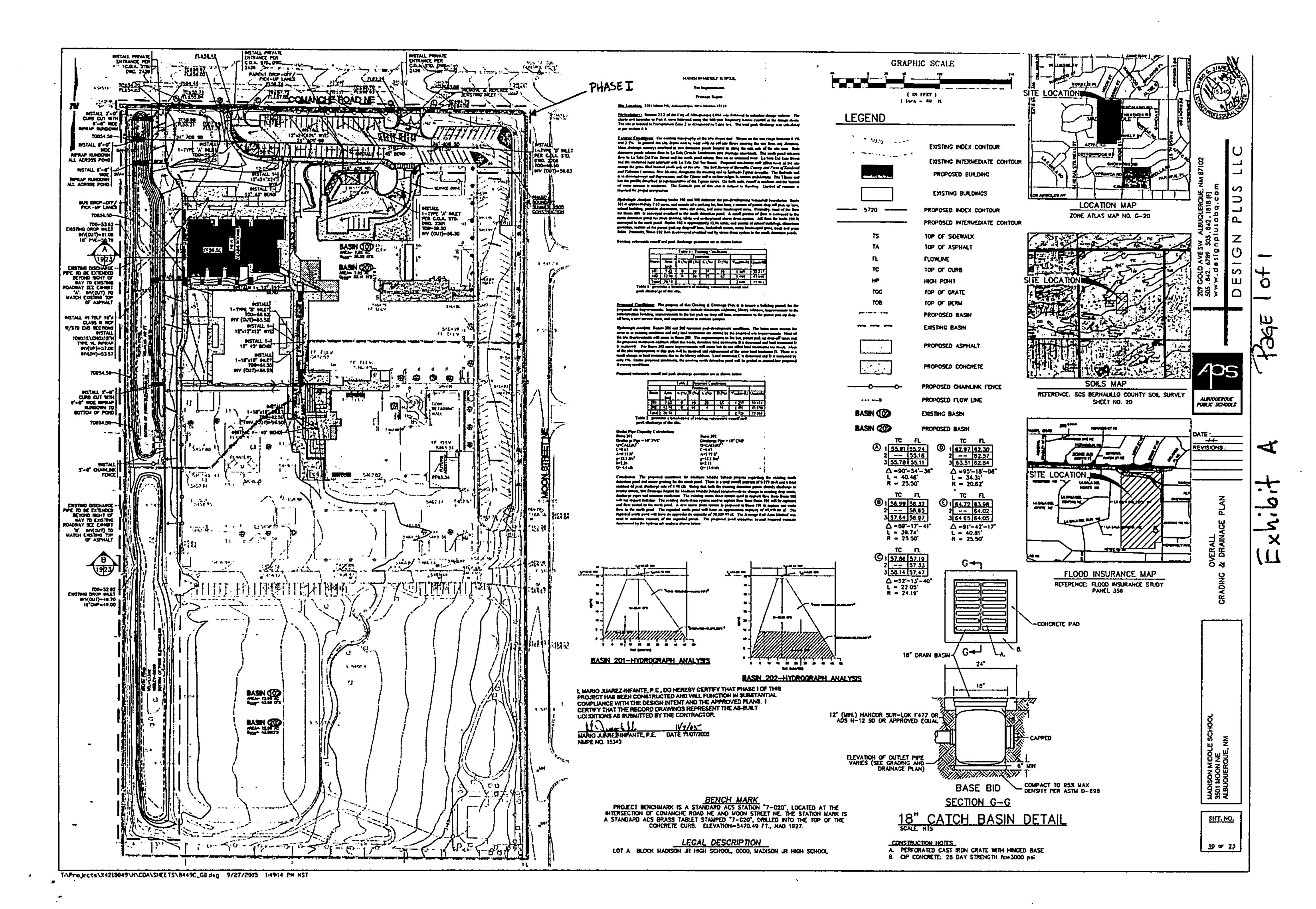
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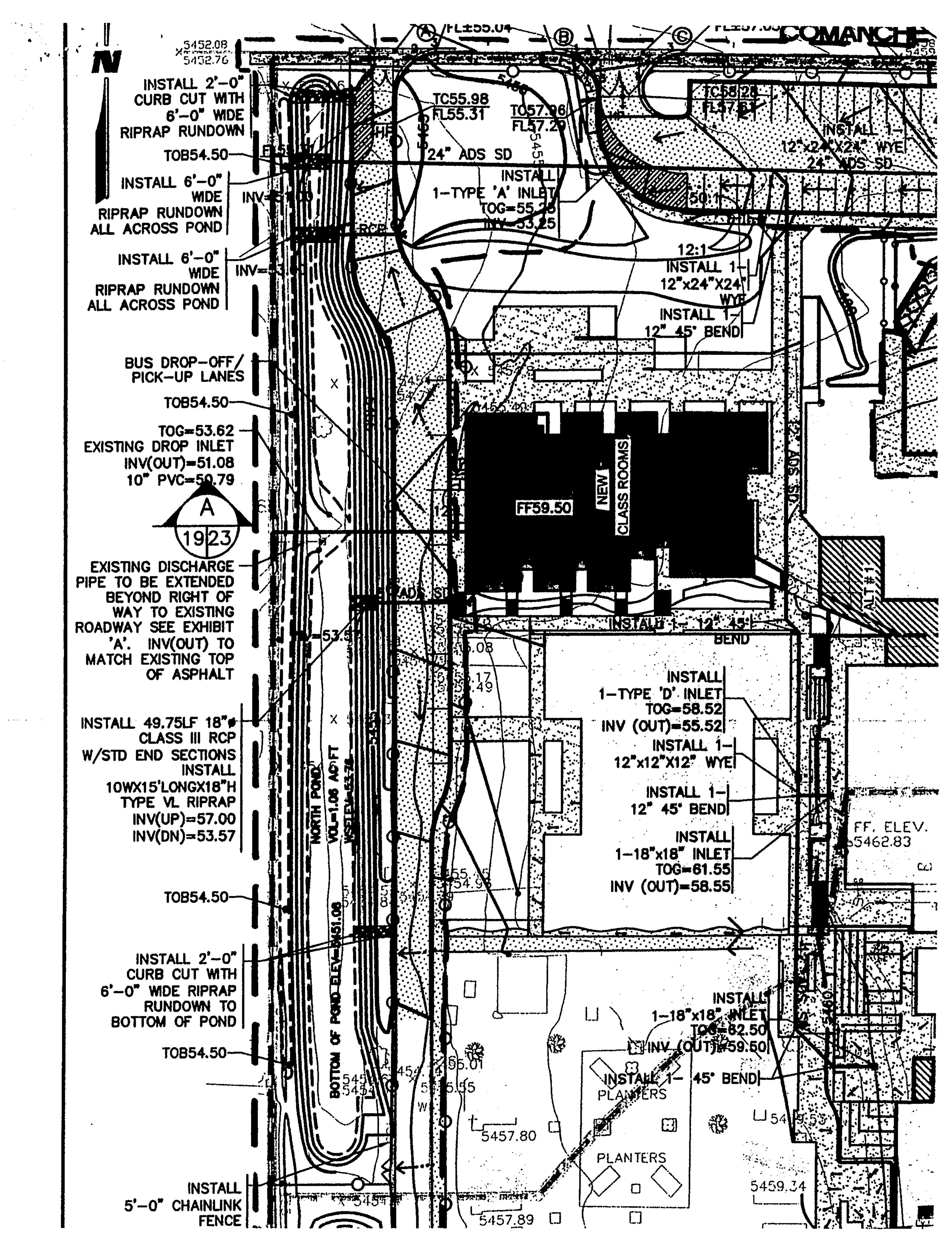
My Commission Expires:

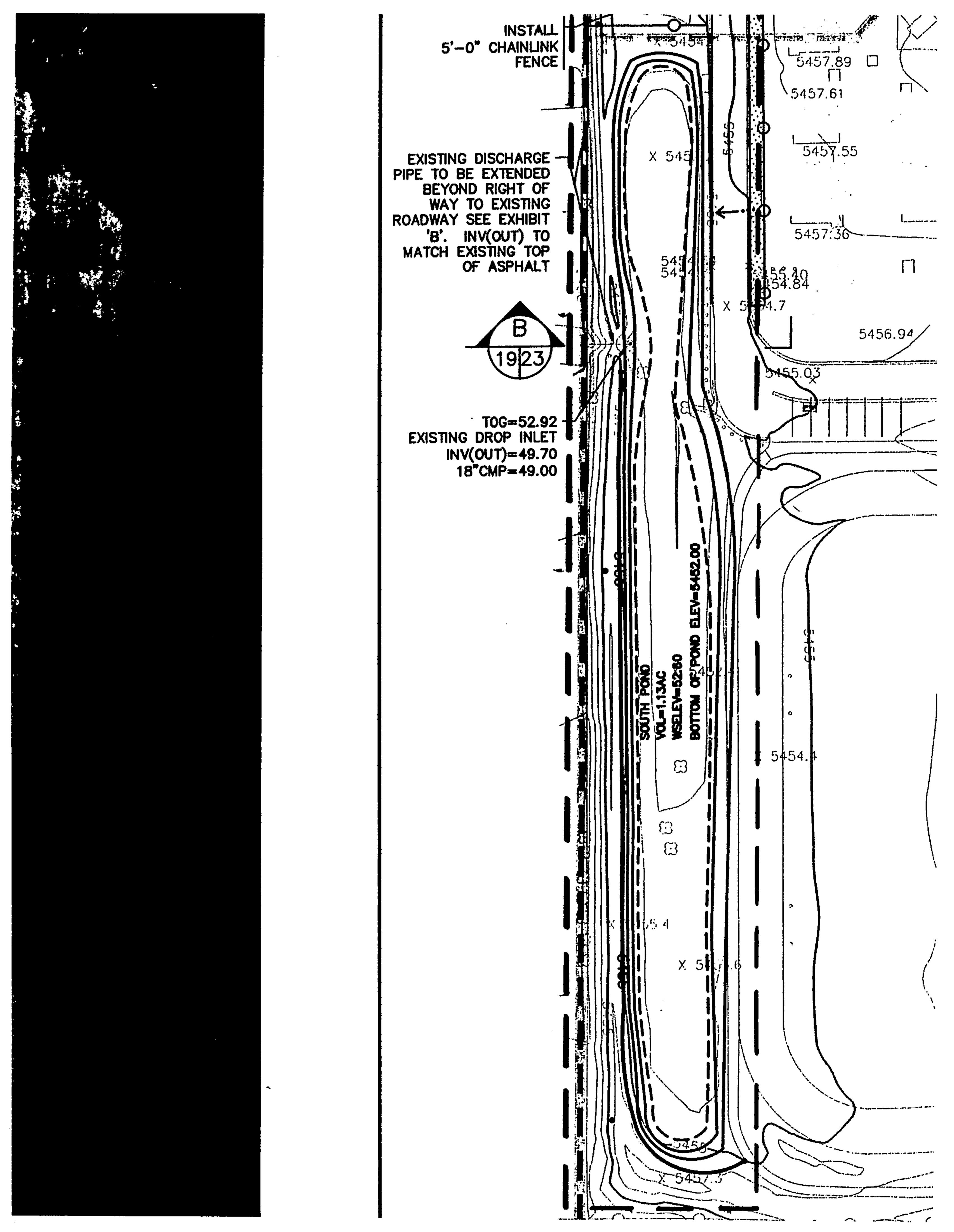
OWNER'S ACKNOWLEDGMENT

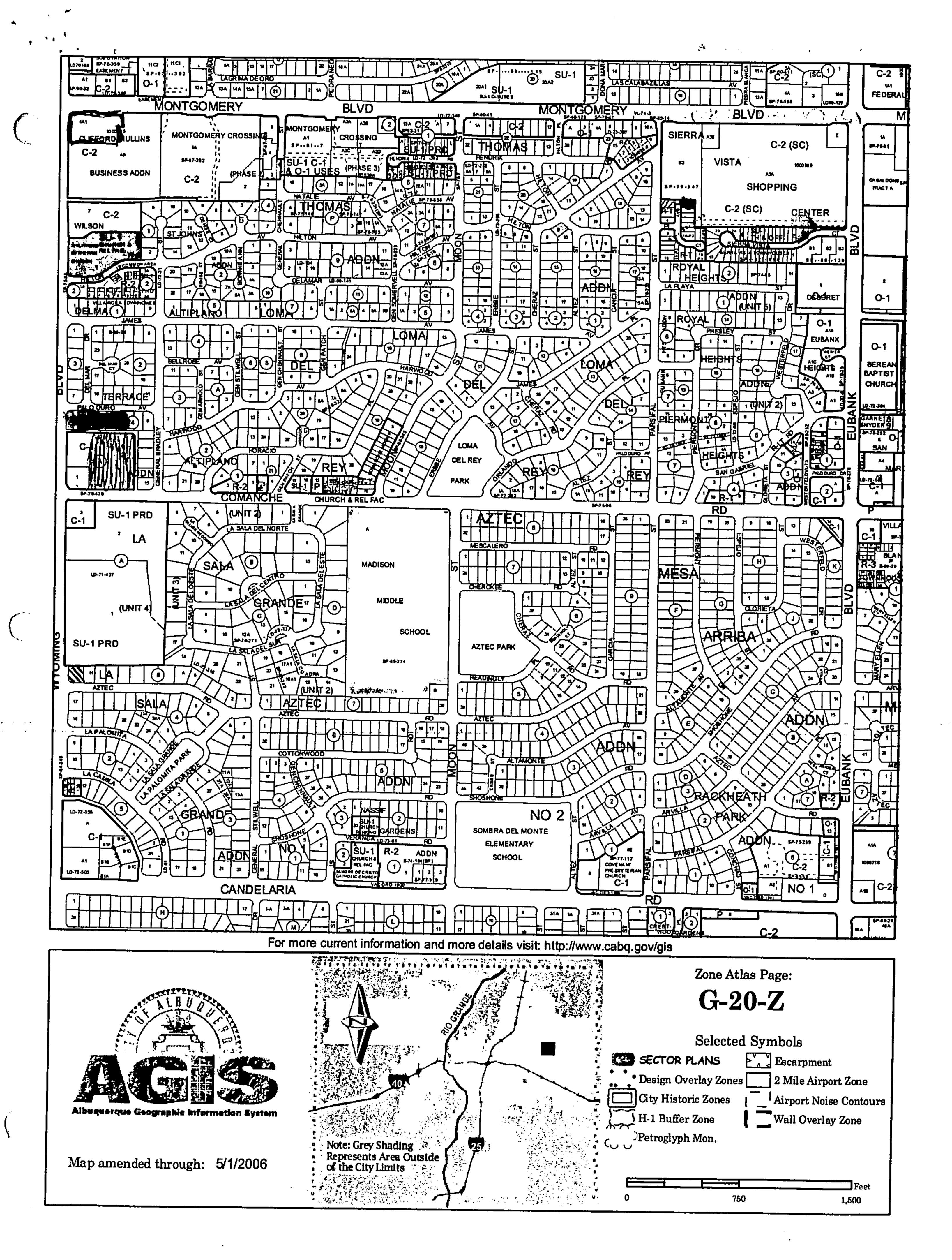
STATE OF NEW MEXICO)	
COUNTY OF BERNALILLO)	
This instrument was acknowledge by when the contract of the co	nowledged before me on Queren 11, 2008, by n behalf of Albuquerque Public Schools
OFFICIAL SEAL CAROLEE M. BROWN NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires 5 1 2011	Notary Public

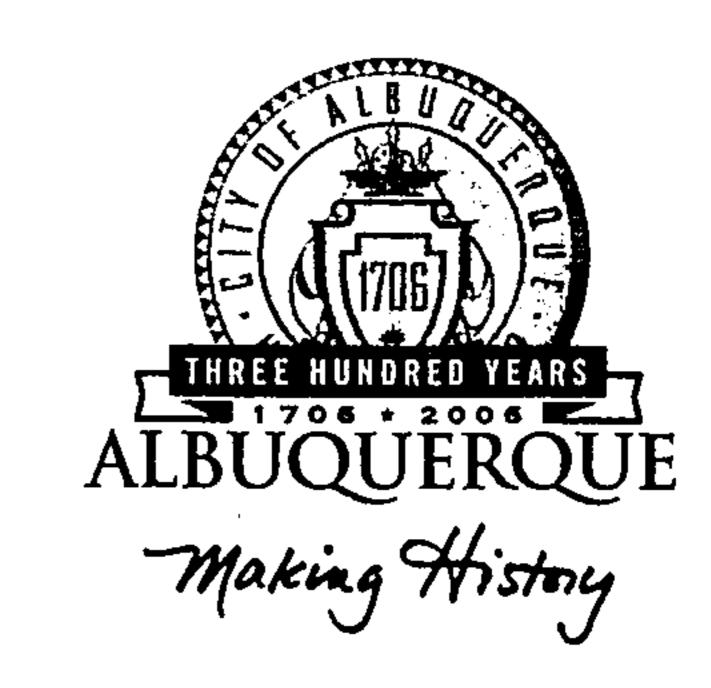
My Commission Expires:











May 27, 2005

John A. Tellez, P.E. Wilson & Company 4900 Lang Ave. NE Albuquerque, NM 87109

Madison Middle School, 3501 Moon NE, Traffic Circulation Layout Re: Engineer's Stamp dated 5-25-05 (G20-D34)

Dear Mr. Tellez,

The TCL submittal received 5-25-05 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan shall be inserted into each set of the building permit plans. Please keep the original to be used for final C.O. certification of the site required by Transportation.

P.O. Box 1293

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of New Mexico 87103 Plaza Del Sol Building.

Albuquerque

www.cabq.gov

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

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

Sincerely,

Phillip J. Lovato

Engineering Associate, Planning Dept. Development and Building Services

Cc:

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

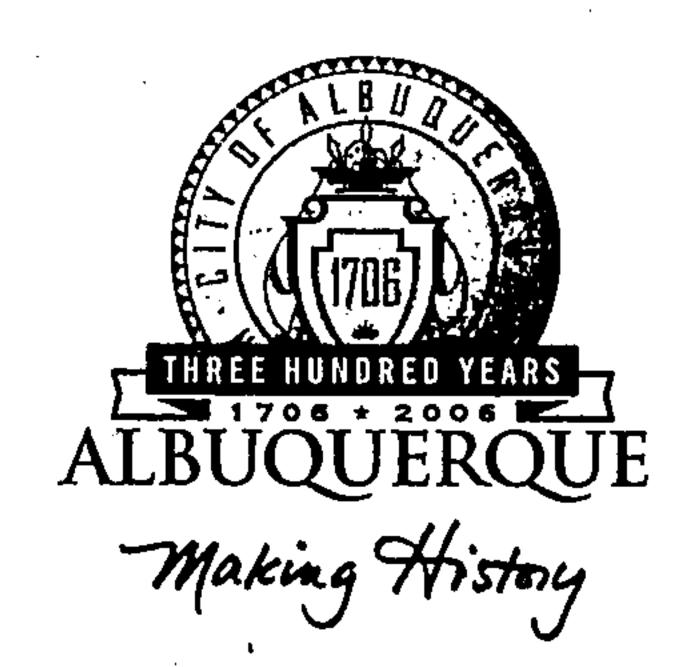
(REV. 1/28/2003)

PROJECT TITLE: MADISON MIDDLE SCHOOL Z	ONE MAP/DRG. FILE#: _G-20/534		
DRB#: EPC#:	WORK ORDER #:		
LEGAL DESCRIPTION: LOT A BLOCK MADISON JR HIGH	SCHOOL, 0000, MADISON JR HIGH SCHOOL		
CITY ADDRESS: 3501 MOON NE			
ENGINEERING FIRM: WILSON & COMPANY	CONTACT: JOHN A. TELLEZ		
ADDRESS: <u>4900 LANG AVENUE, NE</u>	PHONE: (505) 348-4193		
CITY, STATE: <u>ALBUQUERQUE, NM</u>	_ ZIP CODE: <u>87109</u>		
OWNER: ALBUQUERQUE PUBLIC SCHOOLS	CONTACT: KAREN ALARID		
ADDRESS: 915 OAK ST., SE	PHONE: _(505) 242-5865		
CITY, STATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87106</u>		
ARCHITECT: DESIGN PLUS	CONTACT: RUPAL ENGINEER		
ADDRESS: 209 GOLD AVENUE, SW	PHONE: (505) 842-6789		
CITY, STATE: ALBUQUERQUE, NM	ZIP CODE: <u>87102</u>		
SURVEYOR: WILSON & COMPANY	CONTACT: SCOTT CROSHAW		
ADDRESS: 4900 LANG AVENUE, NE	PHONE: (505) 348-4035		
CITY, STATE: ALBUQUERQUE, NM	ZIP CODE: <u>87109</u>		
CONTRACTOR:	CONTACT:		
ADDRESS:	PHONE:		
CITY, STATE:	ZIP CODE:		
CHECK TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN 1 st SUBMITTAL. REQUIRES TCL OR EQUIPMINE CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEERS CERTIFICATION (HYDROLOGY) CLOMR\LOMR X TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEERS CERTIFICATION (DRB. APPR. SITE PLAN) OTHER: RESUBMITTAL	CHECK TYPE OF APPROVAL SOUGHT: SIA / FINANCIAL GUARANTEE RELEASE UAL 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 CERTIFICATION OF OCCUPANCY (PERM.) CERTIFICATION OF OCCUPANCY (TEMP.) X GRADING PERMIT APPROVAL X PAVING PERMIT APPROVAL WORK ORDER APPROVAL		
WAS A PRE-DESIGN CONFERENCE ATTENDED: X YES NO COPY PROVIDED Date Submitted: May 25, 2005 Requests for approvals of Site Development Plans and/or Subdi	OTHER (SPECIFY) By: John A. Tellez 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 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
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May 3, 2005

John Tellez, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Madison Middle School, 3501 Moon St NE, Traffic Circulation Layout Re: Engineer's Stamp dated 4-29-05 (G20-D34)

Dear Mr. Tellez,

Based upon the information provided in your submittal received 4-29-05, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

Provide the specific angle, length, and width of the angled parking spaces.

2. All sidewalk must be removed and replaced in order to prevent settlement differentials.

Albuquerque

What is the aisle width along the angled parking spaces?

Please list the length of all parking spaces.

5. To abide by the ADA standards, please ensure a 2% cross slope for 3 feet at drivepads.

6. Provide length and width information for the parallel spaces shown along the one-way lane.

www.cabq.gov

New Mexico 87103

If you have any questions, you can contact me at 924-3991.

Sincerely,

Wilfred A. Gallegos, P.E.

Traffic Engineer, Planning Dept.

Development and Building Services



Memo

Albuquerque Colorado Springs Colton Commerce Denver Durango

Houston

Date:

Kansas City Lenexa Oklahoma City Phoenix Salina Wichita

May 20, 2005

From:

John Tellez, PE

To:

Wilfred A. Gallegos, PE

Copies To:

File

Subject:

Madison Middle School, Traffic Circulation Layout

Based on your letter dated May 3, 2005 we have the following responses:

1. Provide the specific angle, length, and width of the angled parking spaces.

Response: Noted. Please see attached drawings.

2. All sidewalk must be removed and replaced in order to prevent settlement differentials.

Response: Noted. Please see attached drawings.

3. What is the aisle width along the angled parking spaces?

Response: Noted. Please see attached drawings.

4. Please list the length of all parking spaces.

Response: Noted. Please see attached drawings.

5. To abide by the ADA standards, please ensure a 2% cross slope for 3 feet at drivepads.

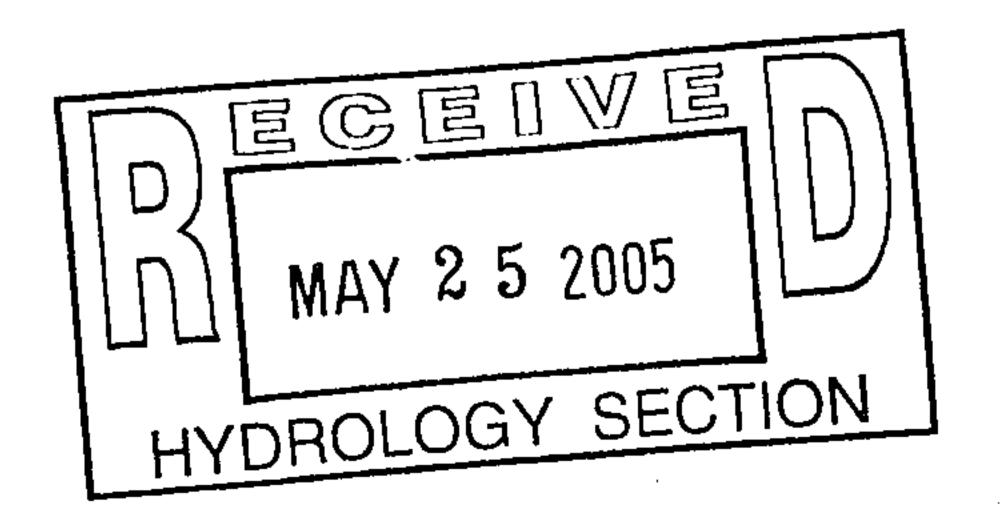
Response: Noted. Please see attached drawings.

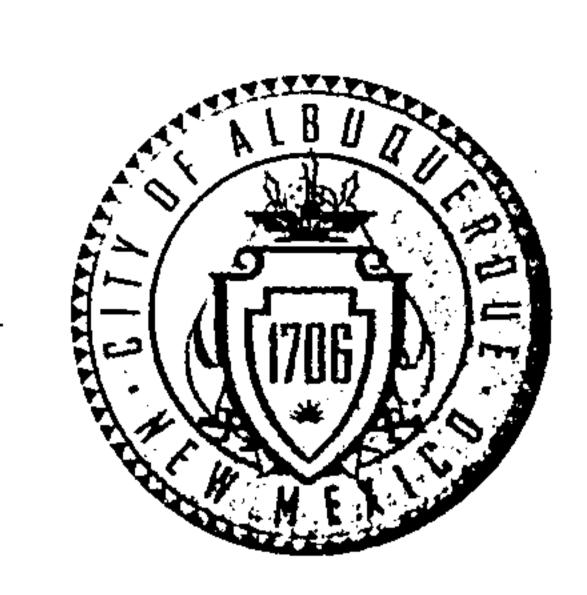
6. Provide length and width information for the parallel spaces shown along the one-way lane.

Response: Noted. Please see attached drawings.

If you have any further questions, please do not hesitate to contact me at 348-4193.

Thank you.





Planning Department Transportation Development Services Section

July 24, 2009

Mario Juarez-Infante, P.E., Wilson & Company 4900 Lang Avenue NE Albuquerque, NM 87109

Re:

Approval of Permanent Certificate of Occupancy (C.O.) for

Madison Middle School, [G-20 / D034]

3501 Moon NE

Engineer's Stamp Dated 03/16/09

PO Box 1293

Dear Mr. Juarez-Infante:

Albuquerque

The TCL / Letter of Certification submitted on July 24, 2009 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

NM 87103

Sincerely

www.cabq.gov

Milo E. Salgado-Fernández, P.E.

Senior Traffic Engineer

Development and Building Services

Planning Department

C:

Engineer Hydrology file

CO Clerk—Katrina Sigala

Sims, Timothy E.

From: Be

Bennett, Nicole L. [Nicole.Bennett@wilsonco.com]

Sent:

Friday, July 24, 2009 10:22 AM

To:

Sims, Timothy E.

Cc:

Juarez-Infante, Mario G.

Subject: Madison Middle School TCL

Hi Tim,

As per our conversation today please find the attached pictures of the wheel chair ramp at Madison Middle School. Please verify that these photos conclude what is needed to obtain a CO and if so what is the next step to pick up the CO?

Thank you

Nicole Bennett

Administrative Assistant

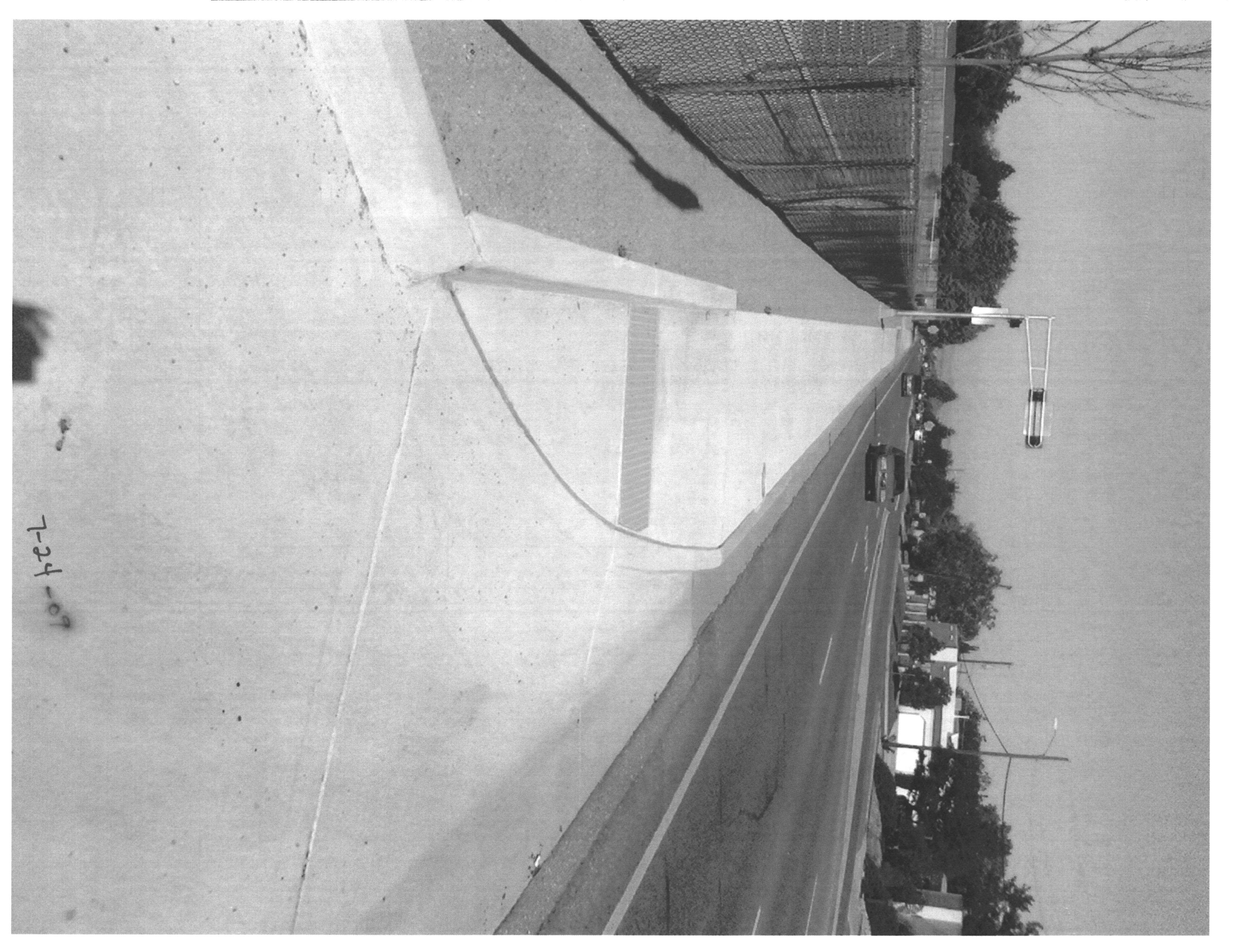
Wilson & Company, Inc., Engineers & Architects 4900 Lang Ave. NE Albuquerque, New Mexico 87109 505-348-4006 direct 505-348-4072 fax www.wilsonco.com

Please consider the environment before printing this e-mail.

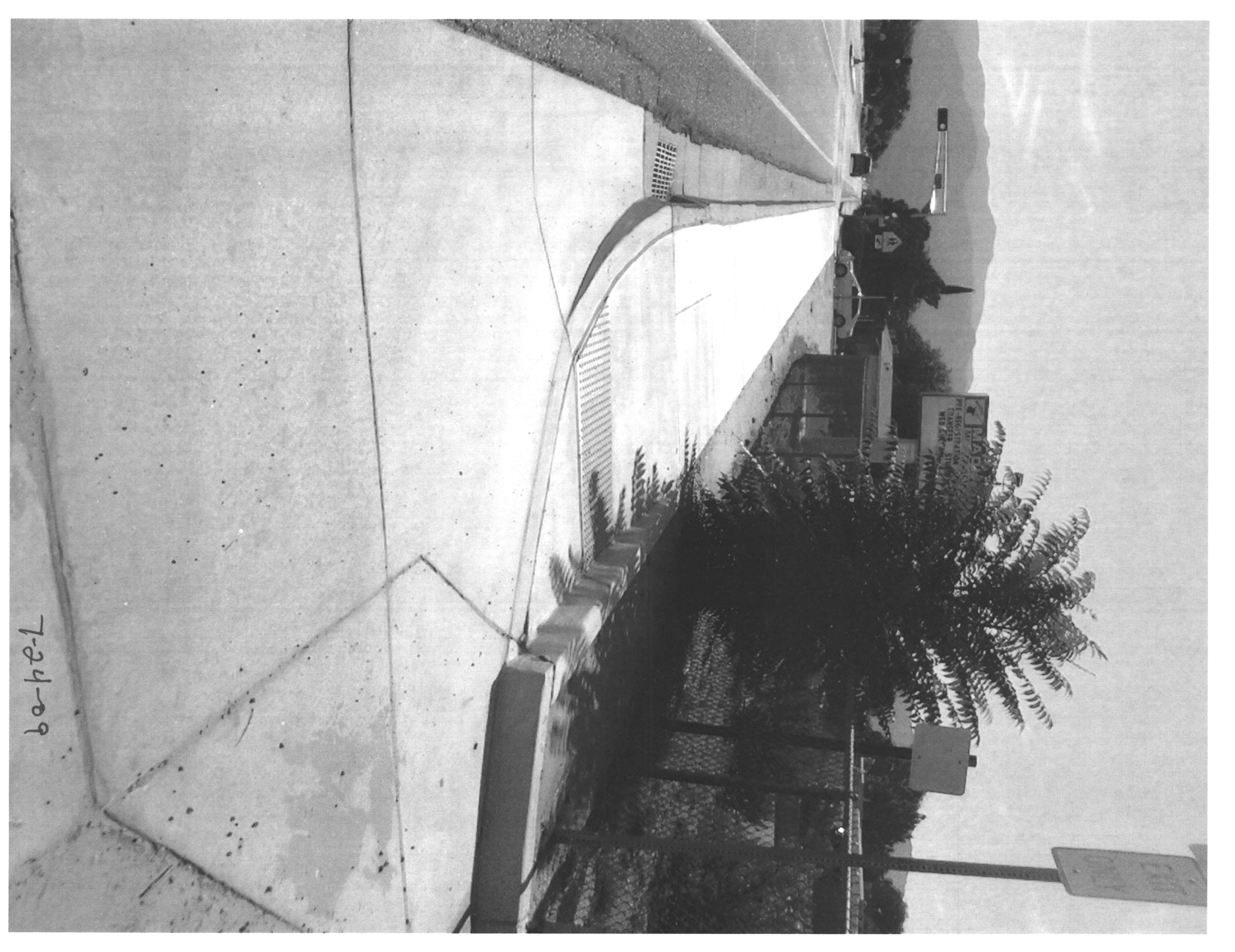
Confidential/Proprietary Note:

The information in this email is confidential and may be legally privileged. Access to this email by anyone other than the intended addressee is unauthorized. If you are not the intended recipient of this message, any review, disclosure, copying, distribution, retention, or any action taken or omitted to be taken in reliance on it is prohibited and may be unlawful. If you are not the intended recipient, please reply to or forward a copy of this message to the sender and delete the message, any attachments, and any copies thereof from your system. Thank you.

Rec 24-09









Planning Department Transportation Development Services Section

March 18, 2009

Mario Juarez-Infante, P.E., Wilson & Company 4900 Lang Avenue NE Albuquerque, NM 87109

Re:

Approval of Temporary Certificate of Occupancy (C.O.) for

Madison Middle School, [G-20 / D034]

3501 Moon NE

Engineer's Stamp Dated 03/16/09

Dear Mr. Juarez-Infante:

Based on the information provided on your submittal dated March 17, 2009, the above referenced project is approved for a 90-day Temporary C.O.

PO Box 1293

Albuquerque

A Temporary C.O. has been issued allowing the outstanding truncated domes (need to provide on wc ramps fronting Comanche) and parking configuration/circulation (traffic circulation is different from site plan to site, provide redlines in site plan to reflect current circulation) issues to be completed within this time period. When these remaining issues have been fully completed, are 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.

NM 87103

www.cabq.gov

The Certification package for Final C.O. must include an <u>exact</u> 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.

Sinderely,

#filo E. Salgado-Fernandez, P.E.

Senior Traffic Engineer

Development and Building Services

Rlanning Department

C:

Engineer
Hydrology file
CO Clerk

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/2	8/2003)		
PROJECT TITLE: MADISON MIDDLE SCHOOL Z	NE MÀP/DRG. FILE#: $G-20/D^{\circ}$ 5 $\%$		
DRB#: EPC#: 1/4	WORK ORDER #:		
LEGAL DESCRIPTION: LOTA BLOCK MADISON JR HIGH S	CHOOL BOOK MADISON JR HIGH SCHOOL		
CITY ADDRESS: 3501 MOON NE	onoce, voo, made on on our conoce		
ENGINEERING FIRM: WILSON & COMPANY	CONTACT: MARIO JUAREZ-INFANTE		
ADDRESS: 4900 LANG AVENUE, NE	PHONE: (505) 348-4000		
CITY, STATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87109</u>		
OWNER: ALBUQUERQUE PUBLIC SCHOOLS	CONTACT: KAREN ALARID		
ADDRESS: 915 OAK ST., SE	PHONE: (505) 242-5865		
CITY, STATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87106</u>		
ADCHITECT: DEGIGNI DI LIG	CONTACT: DUDAL ENGINEED		
ARCHITECT: DESIGN PLUS ADDRESS: 209 GOLD AVENUE, SW	CONTACT: RUPAL ENGINEER		
CITY, STATE: ALBUQUERQUE, NM	PHONE: <u>(505) 842-6789</u> ZIP CODE: <u>87102</u>		
OITI, OIMIL. <u>MEDOQULIQUE, IVIVI</u>	ZII OODL. <u>.07102</u>		
SURVEYOR: WILSON & COMPANY	CONTACT: Ben Aragon		
ADDRESS: 4900 LANG AVENUE, NE	PHONE: <u>(505) 348-4067</u>		
CITY, STATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87109</u>		
CONTRACTOR:	CONTACT:		
ADDRESS:	PHONE:		
CITY, STATE:	ZIP CODE:		
CHECK TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:		
DRAINAGE REPORT	SIA / FINANCIAL GUARANTEE RELEASE		
DRAINAGE PLAN 1 st SUBMITTAL, REQUIRES TCL OR EQU	AL PRELIMINARY PLAT APPROVAL		
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL		
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL		
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL		
ENGINEERS CERTIFICATION (HYDROLOGY)	FINAL PLAT APPROVAL		
CLOMR\LOMR	FOUNDATION PERMIT APPROVAL		
TRAFFIC CIRCULATION LAYOUT (TCL)	BUILDING PERMIT APPROVAL		
ENGINEERS CERTIFICATION (TCL)	X CERTIFICATION OF OCCUPANCY (PERM.)		
ENGINEERS CERTIFICATION (DRB, APPR. SITE PLAN)	CERTIFICATION OF OCCUPANCY (TEMP.)		
OTHER:	GRADING PERMIT APPROVAL		
	PAVING PERMIT APPROVAL		
	WORK ORDER APPROVAL		
	OTHER (SPECIFY)		
WAS A PRE-DESIGN CONFERENCE ATTENDED:			
YES	MAR 1 7 7003		
NO			
COPY PROVIDED	HYDROLOGY		

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:

Date Submitted:

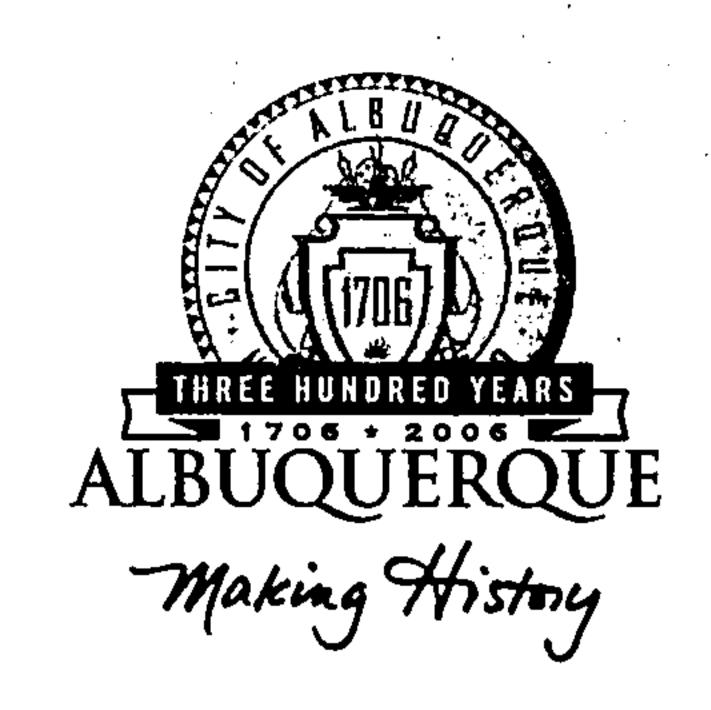
March 17, 2009

- 1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five
- 2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5)

By:

Mario Juarez-Infante

3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



December 9, 2005

Mario Juarez-Infante, P.E. Wilson and Company 4900 Lang Avenue, NE Albuquerque, NM 87109

Re: Madison Middle School Renovation, 3500 Moon NE

Grading & Drainage Plan-Engineer's Stamp dated 9-27-05 (G20-D34)

Dear Mr. Juarez-Infante,

Based upon the information provided in your submittal dated 12-9-05, 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. Additionally, prior to release of the Certificate of Occupancy an Engineer's Certification of the grading plan per the DPM checklist and a copy of the recorded Maintenance Covenant with Albuquerque Public Schools will be required.

This project requires a National Pollutant Discharge I

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Municipal Development Department Hydrology section at 768-3654 (Charles Caruso).

If you have any questions, you can contact me at 924-3990.

Sincerely,

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Phillip J. Lovato, E.I., C.F.M.

Engineering Associate, Hydrology, Development and Building Services,

Planning Department

cc: Charles Caruso, DMD

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

RB#: EPC#:	WORK ORDER #:
EGAL DESCRIPTION: LOT A BLOCK MADISON JR HIGH	SCHOOL, 0000, MADISON JR HIGH SCHOOL
ITY ADDRESS: 3501 MOON NE	
NGINEERING FIRM: WILSON & COMPANY	CONTACT: MARIO JUAREZ-INFANTE
ADDRESS: 4900 LANG AVENUE, NE	PHONE: (505) 348-4064
CITY. STATE: <u>ALBUQUERQUE, NM</u>	ZIP CODE: <u>87109</u>
OWNER: ALBUQUERQUE PUBLIC SCHOOLS	CONTACT: KAREN ALARID
ADDRESS: 915 OAK ST., SE	PHONE: (505) 242-5865
CITY. STATE: ALBUQUERQUE, NM	_ ZIP CODE: <u>87106</u>
RCHITECT: DESIGN PLUS	CONTACT: RUPAL ENGINEER
ADDRESS: 209 GOLD AVENUE, SW	PHONE: (505) 842-6789
CITY. STATE: ALBUQUERQUE, NM	ZIP CODE: <u>87102</u>
SURVEYOR: WILSON & COMPANY	CONTACT: SCOTT CROSHAW
ADDRESS: 4900 LANG AVENUE, NE	PHONE: (505) 348-4035
CITY. STATE: ALBUQUERQUE, NM	ZIP CODE: <u>87109</u>
ONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
CITY, STATE:	ZIP CODE:
HECK TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SIA / FINANCIAL GUARANTEE RELEASE
DRAINAGE PLAN 1 st SUBMITTAL. REQUIRES TCL OR EQ	UAL PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
_ GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
_ EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
_ ENGINEERS CERTIFICATION (HYDROLOGY)	FINAL PLAT APPROVAL
_ CLOMR\LOMR	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)	X BUILDING PERMIT APPROVAL
ENGINEERS CERTIFICATION (TCL)	CERTIFICATION OF OCCUPANCY (PERM.)
_ ENGINEERS CERTIFICATION (DRB. APPR. SITE PLAN)	CERTIFICATION OF OCCUPANCY (TEMP.)
OTHER: DRAINGE AS-BUILT SUBMITTAL	GRADING PERMIT APPROVAL
	PAVING PERMIT APPROVAL
•	WORK ORDER APPROVAL OTHER (SPECIFY)
AS A PRE-DESIGN CONFERENCE ATTENDED;	
YES	TO E CE IVE
 NO	DEC - 9 2005
COPY PROVIDED	
	HY MOLOGY SECTION
Date Submitted: October 04, 2005	By: Mario Juarez-Infante
	vision Plats shall be accompanied by a drainage submittal.

- 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.



June 17, 2005

John A. Tellez, P.E. Wilson and Company 4900 Lang Avenue, NE Albuquerque, NM 87109

Re: Madison Middle School, 3500 Moon NE, Grading & Drainage Plan Engineer's Stamp dated 6-10-05 (G20-D34)

Dear Mr. Tellez,

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Based upon the information provided in your submittal dated 6-10-05, 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.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Municipal Development Department, Hydrology section at 768-3654 (Charles Caruso).

Additionally, at the completion of this project please provide Certified As-builts for the file.

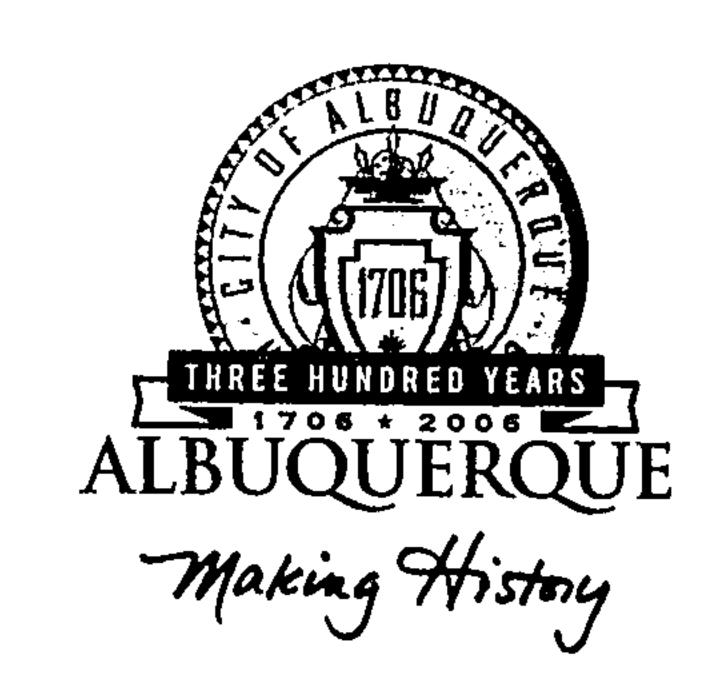
If you have any questions, you can contact me at 924-3990.

Sincerely,

Phillip J. Lovato, E.I., C.F.M. Engineering Associate, Hydrology, Development and Building Services, Planning Department

Phillip J. Lows

Charles Caruso, DMD



June 2, 2005

John A. Tellez, P.E. Wilson & Company 4900 Lang Ave. NE Albuquerque, NM 87109

Re: Madison Middle School, 3501 Moon NE, Grading & Drainage Plan Engineer's Stamp dated 5-25-05 (G20-D34)

Dear Mr. Tellez,

Based upon the information provided in your submittal dated 5-25-05, the above referenced plan cannot be approved for Grading Permit or Paving Permit until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

• Delineate the portion of the project you are seeking Grading and Paving Permit approval (Phase I) for. Please note that the Phase 2 work will also require a Grading and Drainage Plan for a Building Permit submittal.

• For your reference the Flood Hazard Zone in the northern portion of the site still exists. The only way to remove the flood plain is to make a formal LOMR submittal to FEMA.

- Reference City of Albuquerque Standard Drawings for inlets and drive pads called out on plan (Per C.O.A. Std. Dwg. ####).
- Show where runoff from bus drop-off lane outlets.
- Provide top of grate and inverts for storm inlets.
- Provide detail for 18"x18" inlets.
- Provide detail for new outlets to pond.

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

Sincerely,

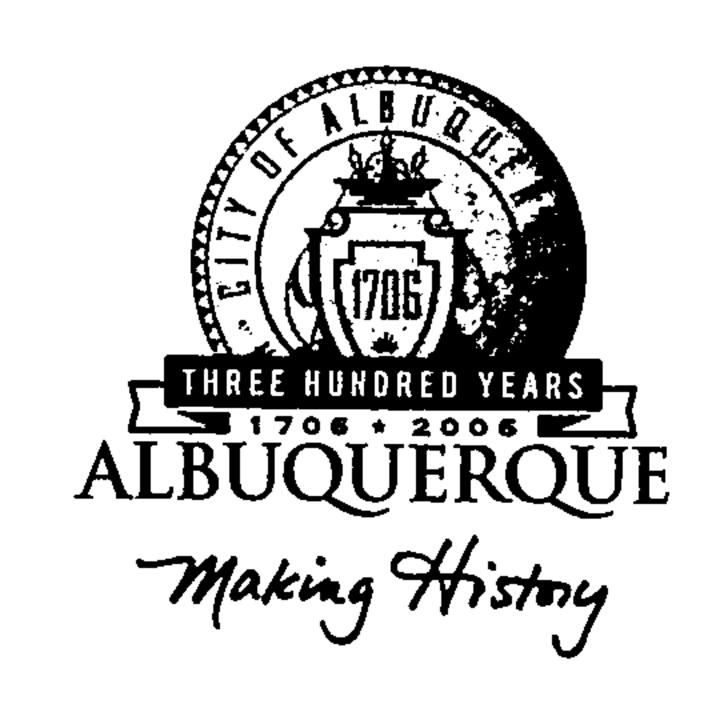
Bradley L. Bingham, P.E.

Principal Engineer, Planning Dept.

Development and Building Services

Brudlez L. Bisha

Cc: file



May 5, 2005

John Tellez, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Re: Madison Middle School, 3501 Moon Street NE, Grading and Drainage Plan Engineer's Stamp dated 4-29-05 (G20-D34)

Dear Mr. Tellez,

P.O. Box 1293

Albuquerque

www.cabq.gov

New Mexico 87103

Based upon the information provided in your submittal received 4-29-05, the above referenced plan cannot be approved for Paving Permit or Grading Permit until the following comments are addressed:

1. Show the flood plain crossing the site. A LOMR may be prudent.

2. Classroom and library additions are shown on the grading and drainage plan. To build these additions, you must first apply for a building permit, not just a paving permit. Please apply for a building permit, which includes a \$50 review fee, at your next submittal.

3. Provide the finish floor elevations for the proposed building additions.

4. Define existing versus proposed drainage infrastructure.

5. Please add the dimensions of the new north pond and show the infrastructure that drains this pond. What street does the south pond drain to?

6. The inlet at the end of Curve E will have to be relocated.

7. Reference is made to the Monte Vista Elementary School in your conclusion; please rectify this.

8. How was the north pond sized? Did you do a stage-discharge hydrograph? Please include a copy of this hydrograph with your next submittal.

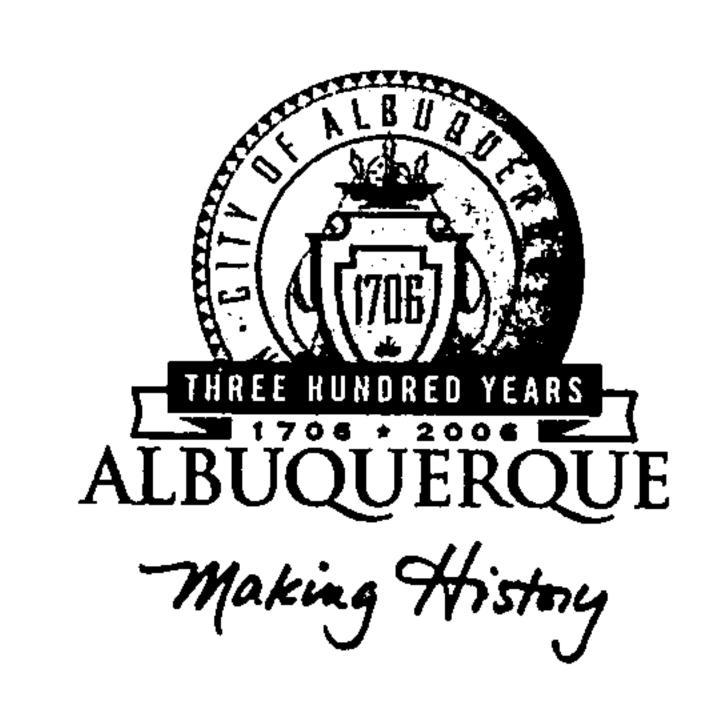
If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley 1. Byling.
Bradley L. Bingham, PE

Principal Engineer, Planning Dept. Development and Building Services

C: file



May 3, 2005

John Tellez, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Re: Madison Middle School, 3501 Moon St NE, Traffic Circulation Layout Engineer's Stamp dated 4-29-05 (G20-D34)

Dear Mr. Tellez,

Based upon the information provided in your submittal received 4-29-05, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

- 1. Provide the specific angle, length, and width of the angled parking spaces.
- 2. All sidewalk must be removed and replaced in order to prevent settlement differentials.

Albuquerque

- 3. What is the aisle width along the angled parking spaces?
- 4. Please list the length of all parking spaces.
- 5. To abide by the ADA standards, please ensure a 2% cross slope for 3 feet at drivepads.

New Mexico 87103

6. Provide length and width information for the parallel spaces shown along the one-way lane.

www.cabq.gov

If you have any questions, you can contact me at 924-3991.

Sincerely,

Wilfred A. Gallegos, P.E.

Traffic Engineer, Planning Dept.

Development and Building Services

C:



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 27, 1995

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

RE: DRAINAGE PLAN FOR MADISON MIDDLE SCHOOL PARK IMPROVEMENTS

(G20-D34) ENGINEER'S STAMP DATED 11/10/95.

Dear Mr. Mortensen:

Based on the information provided on your November 14, 1995 submittal, the above referenced site is approved for Building Permit, Grading, Paving, and Work Order.

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



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 14, 1994

Mike Walla Chaves-Grieves 5639 Jefferson St. NE Albuquerque, NM 87109

Re: Madison Mid School, Moon St. Storm Drain

I have reviewed the As-Built drawing for the referenced project. The changes made in the field for the pipe configuration and inlet types are acceptable as constructed per the sheet 5 of 12 certified by Jeff Mortensen of January 12, 1994.

Final inspection for the project should be coordinated with the Construction Division.

If you have any questions, call me at 768-3654.

Loren Meinz, PE

PWD/Engineering-Hydrology

cc. Jeff Mortensen

wp+8238



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 19, 1994

Mike Walla Chavez-Grieves Engineering 5639 Jefferson St. NE Albuquerque, NM 87109

RE: REVISED ENGINEER CERTIFICATION FOR MADISON MIDDLE SCHOOL SCIENCE BUILDING ADDITION & RENOVATIONS (G20-D34) REVISED ENGINEER STATEMENT DATED 4/11/94.

Dear Mr. Walla:

Based on the information provided on your April 13, 1994 resubmittal, listed are some concerns that will need to be addressed prior to final Certificate of Occupancy release:

- 1. More as-built spot elevations on the west side of the ponding areas.
- 2. Pipe inverts for both inlets & outlets.
- 3. Emergency spillway as-built spot elevations and top of rundowns.
- 4. More spot elevations at the bottom of the ponds.
- 5. As-built elevations on the drivepad (key note #6) to assure that the 1' foot water block exists.

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

Sincerely,

Bernie J. Montoya, CE Engineering Associate

BJM/d1/WPHYD/7477

c: Eile



September 25, 1998

Jeff Mortensen, P.E.
Jeff Mortensen & Associates
6040-B Midway Park Blvd. NE
Albuquerque, NM 87109

Attn: Gary Bittner

RE: MADISON MIDDLE SCHOOL PARK - DRAINAGE UPDATE (G20-D34). GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT APPROVAL. ENGINEER'S STAMP DATED AUGUST 26, 1998.

Dear Mr. Mortensen:

Based on the information provided on your August 27, 1998 submittal, the above referenced project is approved for Building Permit.

Prior to Certificate of Occupancy approval, an Engineer's Certification will be required.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

John P. Murray, P.E.

Hydrology

C

Andrew Garcia .

.



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 29, 1992

Mike J. Walla Chavez Grieves 4600-C Montomergy Blvd., NE Albuquerque, New Mexico

RE: MADISON MID SCHOOL

DRAIANGE REPORT REVIEW

MOON STREET DRAINAGE

- 1. Basin map may need additional area IV added since it appears in the field that this area drains to the Moon St. system.
- Use Excess Precipitation for calculation of 100 yr. and 10 year runoff volumes. Use the Peak Discharge figures in Table 9 to calculate both 100 yr. and 10 yr. peak discharges.
- 3. Verify all existing storm sewer inverts in the field by survey, and show existing data on the plan.
- 3. Use Manning Equation to compute storm sewer capacities. Pressure flow should not be used unless the pressure head is available in the worst case assumption for the downstream condition.

 Use Manning Equation for all new storm sewer sizing.
- 4. Street information must be included for calculation of street flows. Include street calcs for Cherokee Rd and Cheraz Rd. to check capacities. Include all physical street data, ie. slope, curb to curb width, curb height, max. whter depth.
- For Moon Street capacities, use the school driveway height (the water block height) as the maximum water depth in the street. Inlets must then pick up the excess water to prevent overtopping the curb, or show the downstream systems that will receive the overflow.

- 6. Check and show calcs for the 10 year street flow, (maximum water depth of 0.5 feet).
- 7. Plans address offsite conditions only. Onsite drainage will be reviewed for the site improvements.

Sincerety,

Loren D. Meinz, P.E.

PWD/Hydrology

wp + 3312

Job	MADISON				Sheet No.	<u>-\</u> of
	400M AAA	57.	STORM	DRAN	Job. No	Date 4692
—				 -		



CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc.

Albuquerque, NM

MOON STREET STORM DRAIN

- DESCRIPTION OF WORK

 -NEW 36" & STORM DRAIN IN MOON ST. BTWN COMMANCHE RD. AND CHEROKEE RD. N.E.
 - INSTALL 7 NEW TYPE A' CHYCH BASINS IN MOON ST.
 - THESE IMPROVEMENTS WILL INTERCEPT SURFACE RONOFF TO PREVENT FLOOD PLAIN PROBLEMS IN MADISON MID SCHOOL SITE.



LEGE

Job	MADISON MID SCHOOL	Sheet No of
Subject	MOON ST. IMPROJEMENTS	Job. No
Client _	APS	By MJU Date 1/28/92



CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc.

Albuquerque, NM

BASINI CHEROKEE RD. - AREAS

$$1000(280') = 280,000 = 6,428 AC$$

 $+ 260(360) = 93600 = 2,149 AC$
 $+ (440)/2 = 96800 = 2,222 AC$
 $+ 160(440) = 70400 = 1,6162 AC$
 $+ 800(200) = 160,000 = 3,673 AC$
 $+ 200(340) = 68,000 = 1,561 AC$

$$1040(160) = 166,400 \ddagger 3.820 AC$$
 $140(800) = 112,000 \ddagger = 2.571 AC$
 $TOTAL = 6.391 AC$

BASIN II MOON ST. - AREAS @ PARK)

$$(400)^2 = 160,000 \, \text{t} = 3.673 \, \text{AC}$$

 $(200)^2/2 = 20,000 \, \text{t} = 0.459 \, \text{AC}$
 $= 707 \, \text{AL} = 4.13 \, \text{AC}$

Sheet No. $C-C$ of Job. No. By MJU Date $1/28/92$. Inc. Albuquerque, NM	4C.1 2,2 HYDROLOGY MANINE 151N 15 = 40 AC	4 TABLE 1	FTH P360-10=2,6(1647)=1,73' 4 TABLE 5	DES LOCK STREETS) V
ubject MON St. IMPROJEMENTS lient ARS CHAVEZ - GRIEVES / CONSULTING ENGINEERS,	TOTAL BASIN AREA = I 17,6554C II 6,39 AC II 4,13 AC INTAL - CB,17 AC IS ACCEPTABLE SINCE BA	PRECIPITATION ZONE - FIGURE A Brun SAW MATES + EUBANK MORTH OF IT-40	DESIGN STORM FROM THREEZ,: 100-4R STORM DEI FROM THREEZ: 10-4R STORM DEI LAND TREATMENT - TABLE 4	60% TREATMENT D (MCW) 10ME HOS TREATMENT D (MCW) 10ME HOS TREATMENT B MCW) 10ME HOS TREATMENT B MCW) 10ME TREATMENT B MCW) 100MES TREATMENT D V

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Job MADISON MID SCHOOL Subject MIDN ST. IMPROVEMENTS Client APS CHAVEZ - GRIEVES / CONSULTING ENGINEER	Sheet No of Job. No Date 1/28/92 S, Inc. Albuquerque, NM
INITIAL ABSTRACTIONS (FA): - TREATMENT B = 0,50 M TREATMENT D = 0,10 N	
0.07 IN/4	
EXCESS PRECIPITATION, E, 6	-HR STORM
FROM TABLE 8 . ZONE 3) - TREATMENT B - 100-4R E = 0.92 - 10-4R E = 0.36 - TREATMENT D - 100-4R E = 7.36 - 10-4R E = 7.36	ν. , Λη` c

•

Job MADISON MID SCHOOL Subject MOON ST. MIREDEMENTS Client APS	Sheet No Job. No By _MJW	C-4 of
CHAVEZ - GRIEVES / CONSULTING ENGINEERS	S, Inc.	Albuquerque, NM
RUNOFF VOLUMES		
BASIN I: TREATMENT B= ,40 (17.65 AC): TREATMENT D= ,6 (17.65 AC):	- 10,59 AC	
- $100-YR$: WEIGHTED $E = \frac{2.36(19.594c) + 0.9}{17.65}$ 17.65R 17.65R $17.65Ac) = \frac{1.784}{12MET}(17.65Ac) = 2$	4C	
=> Z,624 tc.fr (43,560 #/ -10-YR (7360-10 = 76,238 CF = 1,5355 (66,888) 2c.fr.		
TREATMENT $B = .4(6.3)$ " $D = .6(6.3)$ - 100-YR WTD $E = 2.36(3.834)$ VOLUME = $\frac{1.784}{12}(6.39) = \frac{1.784}{12}$	39 AC) - 3, 8 AC) + 2,556 (0, 39 AC	334 AC 92) = 1.7841N
=> 6.95 (43560) = $-10-4R (7360-10=27.0)$		
BASIN III WEIGHTED E = Z.36 (0,83 AC) + WEIGHTED E = Z.36 (0,83 AC) + 4.13 - 100-4R: V360 = 1,21 (4.13) = 0.416 AC - (10-4R: V360-10 = 12,090 CF)		

•		
	Job MADISON MID SCHOOL	Sheet No of
	Subject Mook ST, STORN DRAW Client — APS	Job. NoDate 1/28/7と
	CHAVEZ - GRIEVES / CONSULTING ENGINEERS,	Inc. Albuquerque, NM
	PEAR DISCHARGE - TABLE 9	• • • • • • • • • • • • • • • • • • •
	- TREATMENT B	
	-100-42 = 2,60 CF	
	- 10-4R = 1.19 CFS,	AC
	- TREATMENT D	
	-160-4R = 5,02 RF	S/AC *
	-10-4R=3.39 cf	JAC V
	RACINI T	
	D-11 0M3N 1- 70(10(76 EFS/40)+10	59AC (5,02CFS/AC)
	BASIN I PEAK Q360 = 7,06 AC (2,6 RFS/AC) + 10 = 18,356 CFS + 53,162 CFS	Z1518 0= => /MA-41
	Q360-10 = 667 (71,51.8 CFS)= 4	
	7:06 (1.19) + 10.59 (3.39) = 44.3 45
	BASIN III -100-YR: Qp (360) = 2.6 CFS/AC (2.5564C)+ 8	500cfs/4c (3.834AC)
	$-100-4R^{3}$ (S65) = $2.60-7RC$ (2.33-0.1-9) = $2.60-7RC$ (2.30-7RC) = $2.60-7RC$	
	$-10-4R Q_{360=10}=-(667(25,89)=15$	7-7-1-CF<
	BASIN III (2.556) + 3,39	(3,834) = 16.04 Cts.
	-100-4R Qp(360) = 2.60 CFS/AC(3,30)+	5,02(0,83)=
	= 17.896 CFS	
	-10-1R Q360-10 = 18.60 CFS	
	1.19(3.30)+3,39(0.83	1 = 16.74 cts
•		

Job Subject Client _	·	Joh. No.	C-C of
	CHAVEZ - GRIEVES / CONSULTING ENGINEERS		Albuquerque, NM
	TOTAL Q360-100 @ MOON = 110,29	7.FS	
EXIS	TING STORM DRAIN CAPACITY:		varity in field.
)36=3,6%	5=0.003
	L= 150' (169.9') H-W WEFF = 135	W (CF	(MiN)
	(525 (-64) - () = 38,362,561 = 85,48 Cf 5	17,48GAC)	GOSEC
1151	J STORM DRAIN CAPACITY:	40/2 3/1/2	20.00 fullow
11000	36" \$ RCP, 5=,001, L= 574	F7	nor med 2
	$H-W \cos F = 135$ $\left(522 - C-68\right) Q = 39,169.86$	COM (7 10 10	5)=87.78crs
		J. 1.1.1.	

TOTAL S.D. CAP. = 172.75 CFS STREET: DOES NOT SLOPE-BUT POWDS WATER

Pressure Pipe Analysis & Design Circular Pipe

Worksheet Name: madison

.. Common ta

Solve For Discharge

Given Input Data:

Elevation @ 1..... 66.00 ft
Pressure @ 1..... 25.00 psi
Elevation @ 2.... 55.60 ft
Pressure @ 2.... 25.00 psi
Diameter... 24.00 in
Length... 150.00 ft
Hazen-Williams C... 135.00

Computed Results:

Friction Slope.... 69.333 ft/1000 ft

1000 Ft way Some in Some in Some in the some in the sound of the sound

Open Channel Flow Module, Version 3.12 (c) 1990 Haestad Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708

Oircular Pippe inpised & sisyland eqiq ennasenq

"IS MOOM & MOSIQUM "SORM Jesusalom"

EMELL ATO "AST WEND "FreemmoD

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....equis noitaina ## 0001/## 000 OT Energy Grade @ 2... AJ ZZ"STT Energy Grade @ 1... AJ TZ"TET 44 bens valouraty........ sdy sprzi wdb 98"89T82 """"""""@baeqpsta coubrace geargae;

BONDO TO ANNUARE WATER WATERDURY, Ct OSNOB ()ben Channel Flow Module, Version 3.12 (c) 1990

Job MADISON MID SCHOOL Subject MOON ST, Client APS	Sheet No. C-7 of Job. No By MJW Date 4/6/92
CHAVEZ - GRIEVES / CONSULTING ENGINEE	ERS, Inc. Albuquerque, NM
DROP INLET/CATCH BASIN	
GRATE CAPACITY:	& 5, N 8
- EXISTING INLETS! 100-YR HZO DEPTH: 71,52+29 - EXISTING P	
STREET SLOPE = 0.0015	23,03 CFS
FROM PLATE ZZ,3 D-Z: DEPTH 50: FROM PLATE ZZ,3 D-5 QGRATE	
FROM PLATE ZZ.3 D-6 QGRATE TOTAL EXISTING CAP:	= 8.0 CFS - TYPE DOUBLE
2(6)+2(80es)=	28CPS < 87.28 CFS N.G.
- PROPERED CONDITIONS: SLOPE = 0.00 Z (MESCALERO TO MAX. DEPTH = 0.67 FT	
GRATE CAP (FROM PLATE ZZ.3 D-5) PROPOSED ADD'L CAP = 7EA(-	7)= 49 CFS

Subject	MOSN MOSN	J SCHOOL ST. STORM I	Sheet No. Job. No. By Mill	
ClientCHAVE	EZ - GRIEVES	CONSULTING ENG		Date 4/6/92 Albuquerque, NM
		EXISTING	EAN ME. H	
			Comma	JC HE
			EXISTING DA"S.	D.
		2-TUPE A-	10 ECALERO	
		NEW 36" S.D. AEA NEW	CHEROKEE	
· •		MADISON TYPE MID		
		SHOOL		
4 : : - 4				
· · · · · · · · · · · · · · · · · · ·			+EADINGLY	
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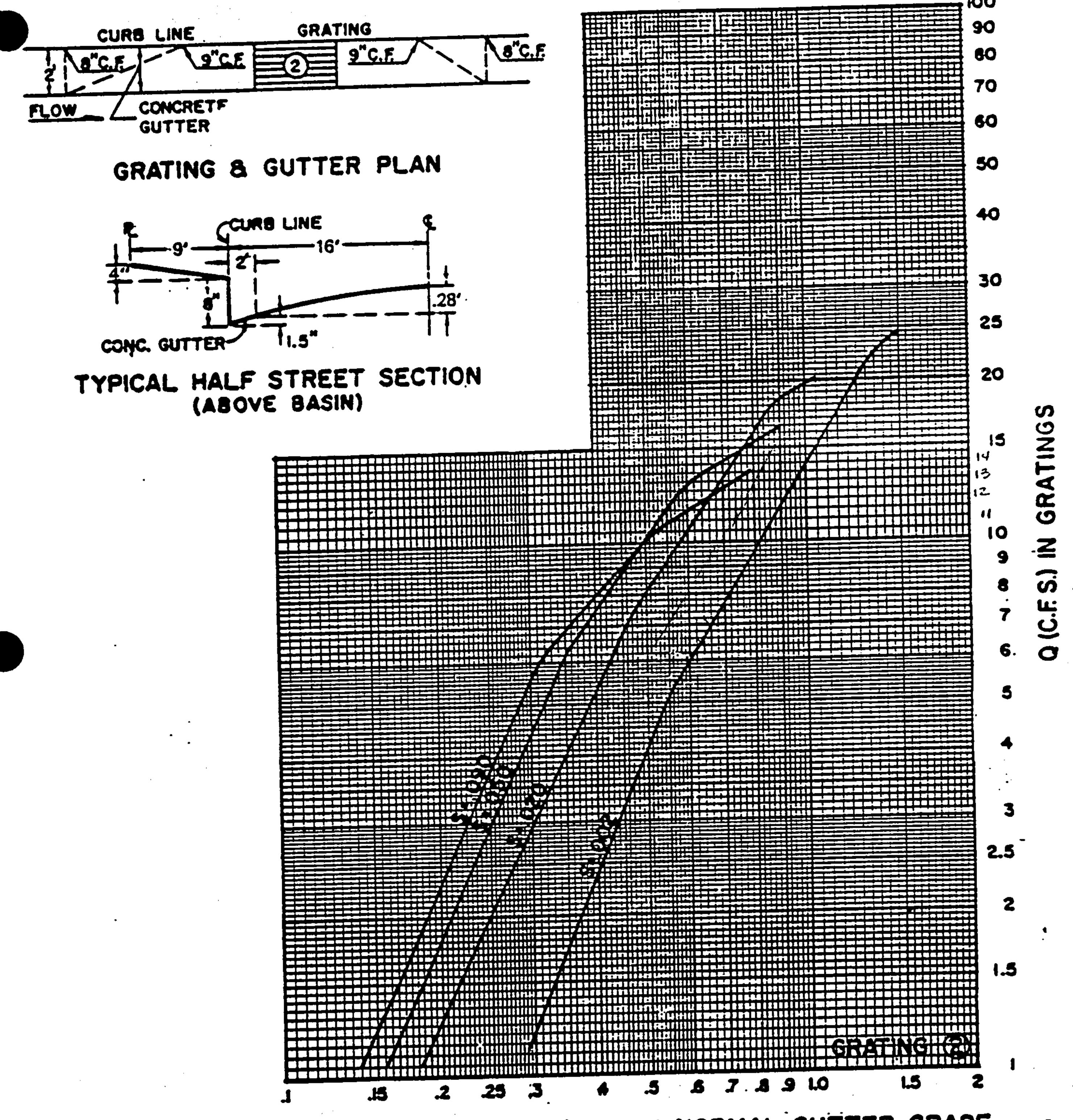
1(4)3(4)

Job Subject _	MADISON MID MOON ST.	ScHool		et No of No
Client	CHAVEZ - GRIEVES /	CONSULTING	ENGINEERS, Inc.	Albuquerque, NN
	TOTAL INLET	CAPACITY		
		EXIST'G Z8 PROPOSED 49 7	CFS	APACIYY= 177,75CFS (SEE C-6)
	STREET CAPACITI	1: 40' R	MOWAY	
	FROM PLATE 2	2.3 D-Z:	1/2 sileet flow	5-,002
			D=0.67 FT	
		THEN	Q=16,508	>
	•	TOTA	L STREET Q=2	(16.5 cfs) - 33.0 cfs
• • • • • • • • • • • • • • • • • • •	A A A 1			
	TOTAL MOONS	T. CAPACI	7.7.5.	
	MLE	TS/PIPE/GRA	75 77CF	
	ROAI	SWAY.	= 33 C	

÷.

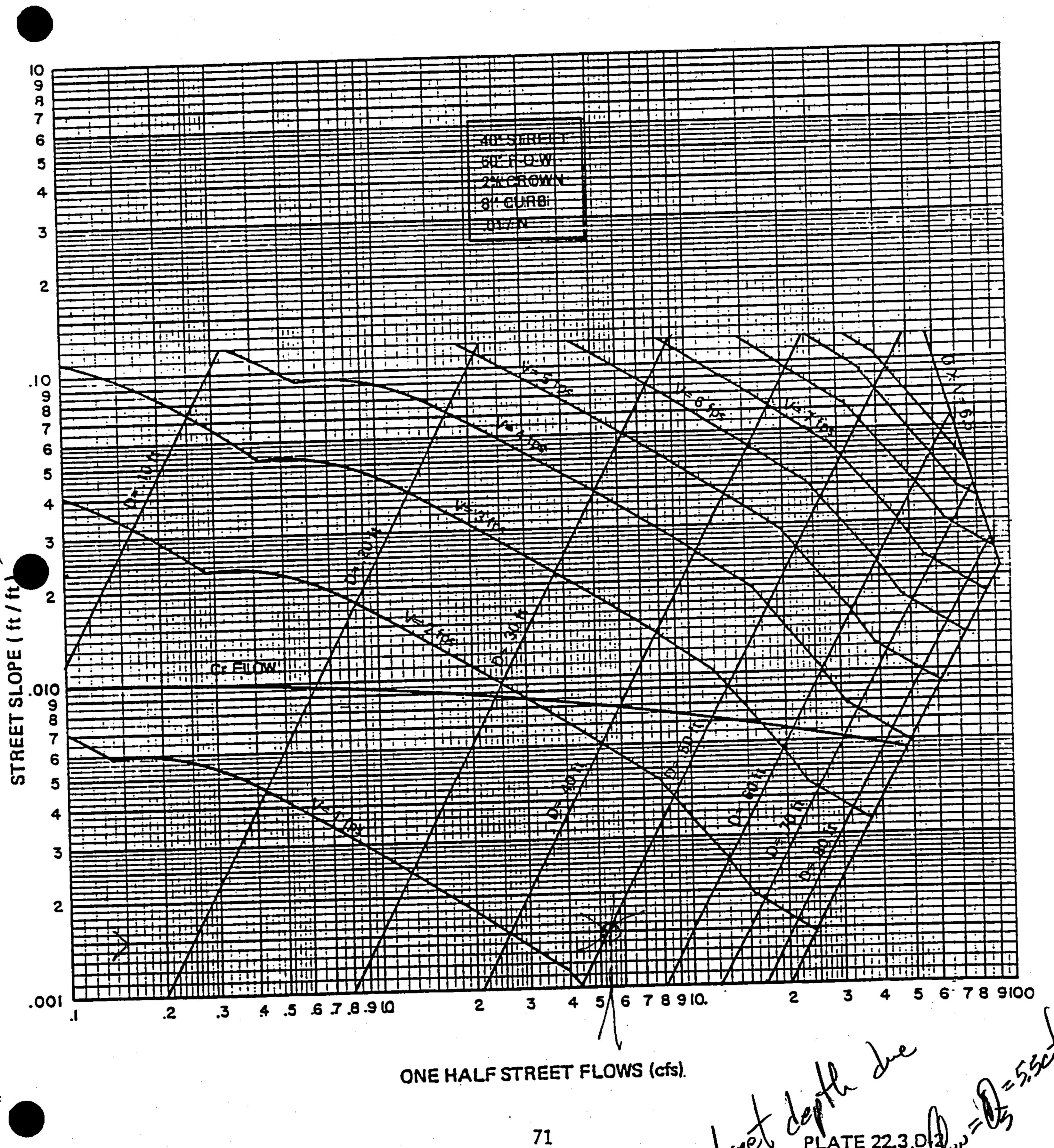
110 CFS REQ'D CAP. =

GRATING CAPACITIES FOR TYPE "A", "C" and "D"



GRATING CAPACITIES; FOR TYPE DOUBLE

STREET CAPACITY



REV. 3-83