CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development Review Services



Richard J. Berry, Mayor

December 20, 2016

Kristine I. Susco, P.E. Wilson & Company, Inc. 4900 Lang Ave. NE Albuquerque, NM 87109

RE:

AMAFCA Parking Lot

Grading and Drainage Plan

Engineer's Stamp Date 12-7-16 (File: H16D086)

Dear Ms. Susco:

Based upon the information provided in your submittal received 12-7-2016, the above referenced Grading and Drainage Plan is approved for Paving Permit and Grading Permit. It is our understanding that additional water quality features are installed downstream of the new without inlet, owned and maintained by AMAFCA.

PO Box 1293

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

Albuquerque

New Mexico 87103

www.cabq.gov

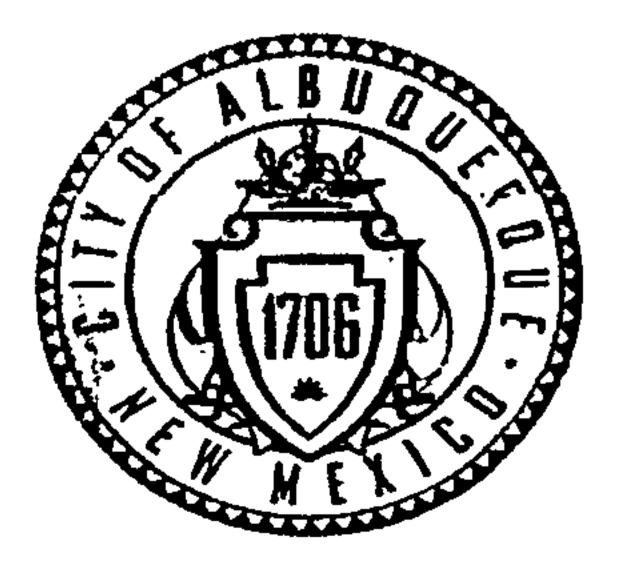
Abiel Carrillo, P.E.

Sincerely,

Principal Engineer, Planning Dept.

Development Review Services

Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

| Project Title: AMAFCA Parking Lo | building Permit #: | Hydrology File #: HLDO8 |
|--|-----------------------|--|
| DRB#: | EPC#: | Work Order#: |
| Legal Description: Tract B of Sa | ndia Foundation, AMA | FCA Subdivision |
| City Address: 2600 Prospect Ave | | |
| | | |
| Applicant: Wilson & Company | | Contact: Kristine Susco |
| Address: 4900 Lang Ave NE, A | lbuquerque, NM 87109 | • <u> </u> |
| Phone#: (505) 348-4191 | Fax#: | E-mail: kisusco@wilsonco.com |
| Other Contact: | | Contact: |
| Address: | | |
| Phone#: | | E-mail: |
| | | |
| Check all that Apply: | | |
| DEPARTMENT: | 7 | YPE OF APPROVAL/ACCEPTANCE SOUGHT: |
| X HYDROLOGY/ DRAINAGE | | BUILDING PERMIT APPROVAL |
| X TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CO | רואר אודס (מדואר) | CERTIFICATE OF OCCUPANCY |
| IVIS4/ EROSION & SEDIMENT CO | MIKOL | • • • • • • • • • • • • • • • • • • • |
| TYPE OF SUBMITTAL: | | PRELIMINARY PLAT APPROVAL |
| ENGINEER/ARCHITECT CERTIFI | CATION _ | SITE PLAN FOR SUB'D APPROVAL |
| | | SITE PLAN FOR BLDG. PERMIT APPROVAL |
| CONCEPTUAL G & D PLAN | 一個型型可可 | FINAL PLAT APPROVAL |
| X GRADING PLAN | 2016 | |
| DRAINAGE MASTER PLAN\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | DEC 0 7 2016 - | SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL |
| | SECTION - | X GRADING PERMIT APPROVAL |
| | D DEVELOPMENT SECTION | SO-19 APPROVAL |
| TRAFFIC CIRCULATION LAYOU | | X PAVING PERMIT APPROVAL |
| TRAFFIC IMPACT STUDY (TIS) | | GRADING/ PAD CERTIFICATION |
| EROSION & SEDIMENT CONTRO | DL PLAN (ESC) | WORK ORDER APPROVAL |
| | _ | CLOMR/LOMR |
| OTHER (SPECIFY) | <u>.</u> | |
| | | PRE-DESIGN MEETING? |
| IC TITE A DECTIONATE ATO. W | X No. | OTHER (SPECIFY) |
| IS THIS A RESUBMITTAL?: Yes | | |
| DATE SUBMITTED: December 7, | 2016 By: Kristin | e Susco |
| | | |

ELECTRONIC SUBMITTAL RECEIVED: ____

COA STAFF:

CITY OF ALBUQUERQUE



April 6, 2010

Susan Lime, P.E.

AECOM

201 Third St. NW Ste 600

Albuquerque, NM 87102

Re: AMAFCA North Side Building Addition, 2600 Prospect Ave. NE,

Request for Permanent C.O. - Approved

Engineer's Stamp dated: 6-29-09 (H-16/D086)

Certification dated: 03-31-10

Dear Ms. Lime,

Based upon the information provided in the Certification received 4-05-10, the above referenced Certification is approved for a release of a Permanent Certificate of

Occupancy by Hydrology.

PO Box 1293

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

Albuquerque

Sincerely,

NM 87103

Timothy E. Sims,

Plan Checker—Hydrology Section
Development and Building Services

www.cabq.gov

C: CO Clerk—Katrina Sigala

File

Janet Saiers, Chair Danny Hernandez, Vice Chair Ronald D. Brown, Secretary-Treasurer Tim Eichenberg, Assistant Secretary-Treasurer Daniel F. Lyon, Director

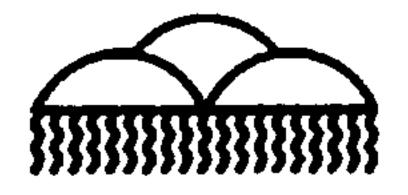
> John P. Kelly, P.E. Executive Engineer

Albuquerque Metropolitan

Arroyo

Flood

Control



Authority

2600 Prospect N E., Albuquerque, NM 87107 - Phone: (505) 884-2215 Fax: (505) 884-0214

Website: www.amafca.org

April 5, 2010

Mr. Brad Bingham, Section Head - Hydrology City Hall, 3rd Floor P.O. Box 1293 Albuquerque, NM 87103

Re: AMAFCA North Side Building Addition Certificate of Occupancy

In regards to request for approval of a Permanent Certificate of Occupancy for the AMAFCA Building Extension North Side, AMAFCA has chosen not to install the landscape rock that is required in the replacement detail on Sheet C-2 of the building plans and instead has initated a full landscape package to be installed on the existing slopes. AMAFCA understands the landscape rock shown was intended to provide erosion control. AMAFCA realizes that, without the landscape rock specified, erosion could occur within the limits of grading. This will be a temporary condition. Adequate erosion control will be provided in accordance with the proposed landscaping plan. AMAFCA will forward notice of completion and several pictures for your review.

Sincerely, AMAFCA

Kevin Troutman Project Manager APR 05 2010

RECENTED

HYDRCLOGY SECTION

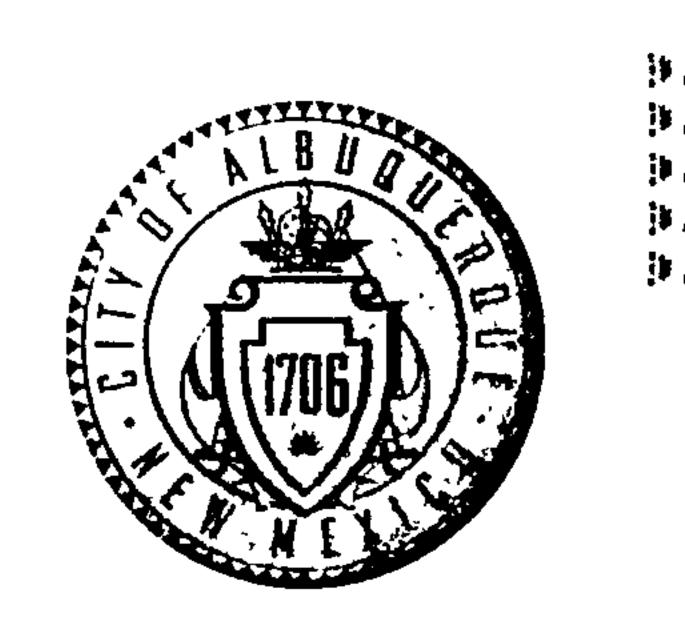


| (Rev. 1-28-03) | |
|--|--|
| PROJECT TITLE: AMAFCA North Side Building Addition ZONE MAP/DRG. FIDRB#:EPC#: WORK ORDER#:LEGAL DESCRIPTION: Tract B of Plat of Tracts A&B Sandia Foundation A.M.A.F. Netherwood Park/Miracerros Addition, situated within Section 10, Township 10 North Mexico Principal Meridian, Albuqureque, Bernalillo County, New Mexico, Plat filed Volume 94C, Page 96. | .C.A. Subdivision, h, Range 3 East, New |
| CITY ADDRESS: 2600 Prospect Ave, Albuquerque, NM 87110 | |
| ENGINEERING FIRM: _AECOM | RECLIVIE APR 0 5.2010 HYDROLOGY SECTION |
| ADDRESS: PHONE: CITY, STATE: ZIP CODE: CONTRACTOR: AMAFCA CONTACT: ADDRESS: PHONE: CITY, STATE: ZIP CODE: CHECK TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL STATE: DRAINAGE REPORT SIA/FINANCIAL GUAR DRAINAGE PLAN 1st SUBMITTAL, PRELIMINARY PLAT AREQUIRES TCL or equal S. DEV. PLAN FOR SUBMITTAL S. DEV. PLAN FOR SUBMITTAL S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PLAN FINAL PLAT APPROVE EROSION CONTROL PLAN FOUNDATION PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PLAN FOUNDATION PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PLAN FOUNDATION PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOUNDATION PERMIT S. DEV. PLAN FOUNDATION PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING AND DRAINAGE PLAN SECTOR GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. CONCEPTUAL GRADING PERMIT S. DEV. PLAN FOR BLDG. P. C | PMENT SECTION CHART CHAR |
| WAS A PRE-DESIGN CONFERENCE ATTENDED: X YES NO COPY PROVIDED | |

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

DATE SUBMITTED: April 5, 2010 BY: Susan Lime, P.E.

CITY OF ALBUQUERQUE



July 1, 2009

Susan A. Lime, P.E.
AECOM
201 3rd St NW, Suite 600
Albuquerque, NM 87102

Re: AMAFCA Building Extension Grading and Drainage Plan Engineer's Stamp date 6-29-09 (H16/D086)

Dear Ms. Lime,

Based upon the information provided in your submittal received 7-1-09, 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 Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

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

NM 87103

Curtis A. Cherne, P.E.

Sincerely,

www.cabq.gov

Senior Engineer, Planning Dept.

Development and Building Services

Copy: file

TRANSMISSION VERIFICATION REPORT

TIME

: 07/01/2009 16:18

NAME FAX

9243864 5059243979

TEL SER.#:

BROL6J570919

DATE, TIME FAX NO./NAME DURATION PAGE(S) RESULT MODE

07/01 16:18 98819328 00:00:13

01 OK

STANDARD

ECM

CITY OF ALBUQUERQUE





July 1.2009

Susan A. Lime, P.E. AECOM 201 3rd St NW, Suite 600 Albuquerque, NM 87102

AMAFCA Building Extension Grading and Drainage Plan Re: Engineer's Stamp date 6-29-09 (H16/D086)

Dear Ms. Lime,

Based upon the information provided in your submittal received 7-1-09, 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 Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

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

Sincerely,

Lutter C. Luck

Curtis A. Cherne, P.E.

The stand Dianning Dent.

NM 87103

Gave plan to Susan minn commet.

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 12/2005)

| DRB#: EPC#: | WORK ORDER#: |
|---|--|
| LEGAL DESCRIPTION: | |
| CITY ADDRESS: 2600 Prospect Avent | ve albuqueaue, NM 87110 |
| • | |
| ENGINEERING FIRM: AECOM USA Luc | CONTACT: Susan Bugnergy MM PHONE: 889-43 |
| ADDRESS: 20/ Third St. NW. A | THUNE: 534-72 |
| CITY, STATE: | ZIP CODE: <u>87/02</u> |
| OWNER: AMAPCA | CONTACT: Terry |
| ADDRESS: 2600 Prospect ave 1 | PHONE: |
| ADDRESS: 2600 Prospect ave, 1 CITY, STATE: Albriquesque, VIII | ZIP CODE: \$7//0 |
| | |
| ARCHITECT: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| SURVEYOR: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| | |
| CONTRACTOR: | CONTACT: |
| ADDRESS:CITY, STATE: | PHONE: ZIP CODE: |
| 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) | PRELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D APPROVAL S. DEV. FOR BLDG. PERMIT APPROVA 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 (SPECHY) NOIJS |
| WAS A PRE-DESIGN CONFERENCE ATTENDED: | HYDROLOGY |
| YES (%) | |
| NO | בחחד א - |
| COPY PROVIDED | 5002 B I NOC |
| | |
| DATE SUBMITTED: <u>Co//9/09</u> | Same of the same o |

- 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.

required based on the following:

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

AECOM

6501 Americas Pkwy., Suite 800, Albuquerque, NM 87110 T 505.883.7700 F 505.881.9328 www.aecom.com

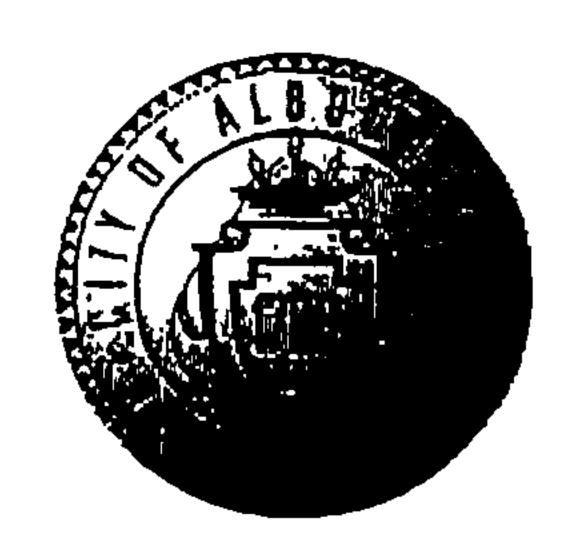
Letter of Transmittal

6/19/09 --June 18, 2009

| To: | | • | | From: | | | |
|---|--------------|--------------------------------------|---------------------------------|--|----------------------------|--|--|
| Tim S | Sims | | | Susan Lime | SL | | |
| Hydrology Development Section Associate Engineer | | | | | | | |
| Depa | artment of M | nt of Municipal Development Subject: | | | | | |
| Plaza | a Del Sol Bu | ilding | | AMAFCA Building Extension – North Side | | | |
| Albu | querque, NM | 1 87102 | | Project No: | | | |
| | | | | | | | |
| | re sending | _ | | | Trooings | | |
| <u> </u> | p Drawings | _ | ⊠ Prints | Plans | Tracings | | |
| · · | ecifications | | Copy of Letter | Copy of Report | Change Order | | |
| Other: Copies | Date | No. | | Description | | | |
| 米2 | 6/18/2009 | 140. | Grading & Drainage Plan | | · | | |
| | | | Grading & Drainage Plan - Paper | | | | |
| / | 6/17/09 | | TCL Waiser. | | | | |
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| Thes | e are trans | smitted as | s checked below: | | | | |
| | Your Appro | | Review Completed | Resubmit | Copies To | | |
| | Your Use | | Resubmittal not Requi | red Submit | Copies for Distribution | | |
| | Requested | | ☐ Returned for Correction | ns 🔲 Return | Corrected Prints | | |
| ⊠ For | Review and | Comment | | | | | |
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| Wil | brung | Signed | I dated mylans | Ty for anyu. | 1 | | |
| plan | is a | pproned | along wh | uldeing permet | abb once G&D fee \$ 50, | | |
| Ef | course. | Also | induded To | 2 marier Jet | ter, just for | | |
| _ | omatri | | | | ₹ | | |

AECOM Water

CITY OF ALBUQUERQUE



June 17, 2009

Susan Lime, P.E. AECOM USA, Inc. 201 Third St. NW, Suite 600 Albuquerque, NM 87102

Re: AMAFCA Building Addition (North Side), 2600 Prospect Avenue NE, Traffic Circulation Layout (H16-D086)

Dear Ms. Lime,

Based upon the information provided in your submittal received 06-15-09, a Traffic Circulation Layout is not required for the above referenced site.

PO Box 1293

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

Albuquerque

Kristal D. Metro, P.E.

Sincerely,

NM 87103

Traffic Engineer, Planning Dept.

Development and Building Services

C: File

www.cabq.gov

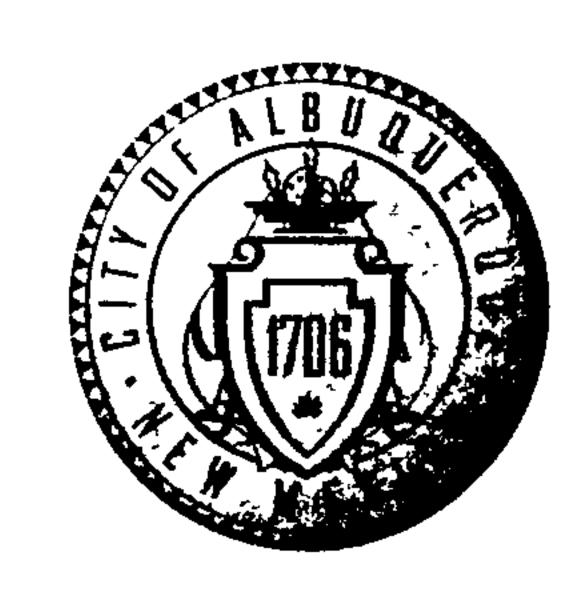
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 12/2005)

| PROJECT TITLE: AMAFCA Blag Expansion | G+D ZONE MAP: 14/6/208 |
|--|---|
| DRB#: EPC#: | WORK ORDER#: |
| | |
| LEGAL DESCRIPTION: | <u> </u> |
| CITY ADDRESS: | |
| ENGINEERING FIRM: AEOON | ሥ ርጉ |
| ADDRESS: | CONTACT: PHONE: <u>FAX - 881-93</u> 2 |
| CITY, STATE: | |
| CIII, DIIIII. | |
| OWNER: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| | |
| ARCHITECT: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| SURVEYOR: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| | |
| CONTRACTOR: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| TYPE OF SUBMITTAL: CHEC | K TYPE OF APPROVAL SOUGHT: |
| DRAINAGE REPORT | SIA/FINANCIAL GUARANTEE RELEASE |
| DRAINAGE PLAN 1st SUBMITTAL | PRELIMINARY PLAT APPROVAL |
| DRAINAGE PLAN RESUBMITTAL | S. DEV. PLAN FOR SUB'D APPROVAL |
| CONCEPTUAL G & D PLAN | S. DEV. FOR BLDG. PERMIT APPROVAL |
| GRADING PLAN | SECTOR PLAN APPROVAL |
| EROSION CONTROL PLAN | _ FINAL PLAT APPROVAL |
| ENGINEER'S CERT (HYDROLOGY) | FOUNDATION PERMIT APPROVAL |
| CLOMR/LOMR | BUILDING PERMIT APPROVAL: |
| TRAFFIC CIRCULATION LAYOUT | _ CERTIFICATE OF OCCUPANCY (PERM) |
| ENGINEER'S CERT (TCL) | CERTIFICATE OF OCCUPANCY (TEMP) |
| ENGINEER'S CERT (DRB SITE PLAN)OTHER (SPECIFY) | _ GRADING PERMIT APPROVAL _ PAVING PERMIT APPROVAL (|
| | WORK ORDER TO PROVAL |
| | OTHER (SPECIEVIAL) |
| | — 11. 19010am. |
| WAS A PRE-DESIGN CONFERENCE ATTENDED: | |
| YES | 107 TO 3008 |
| NO | Duu - |
| COPY PROVIDED | |
| | MALLA |
| DATE SUBMITTED: | BY: |

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 17, 2009

Susan Lime, P.E. AECOM USA, Inc. 201 Third St. NW, Suite 600 Albuquerque, NM 87102

Re: AMAFCA Building Addition (North Side), 2600 Prospect Avenue NE, Traffic Circulation Layout (H16-D086)

Dear Ms. Lime,

Based upon the information provided in your submittal received 06-15-09, a Traffic Circulation Layout is not required for the above referenced site.

PO Box 1293

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

Sincerely,

Albuquerque

Kristal D. Metro, P.E.

NM 87103

Traffic Engineer, Planning Dept.

Development and Building Services

C:

File

www.cabq.gov

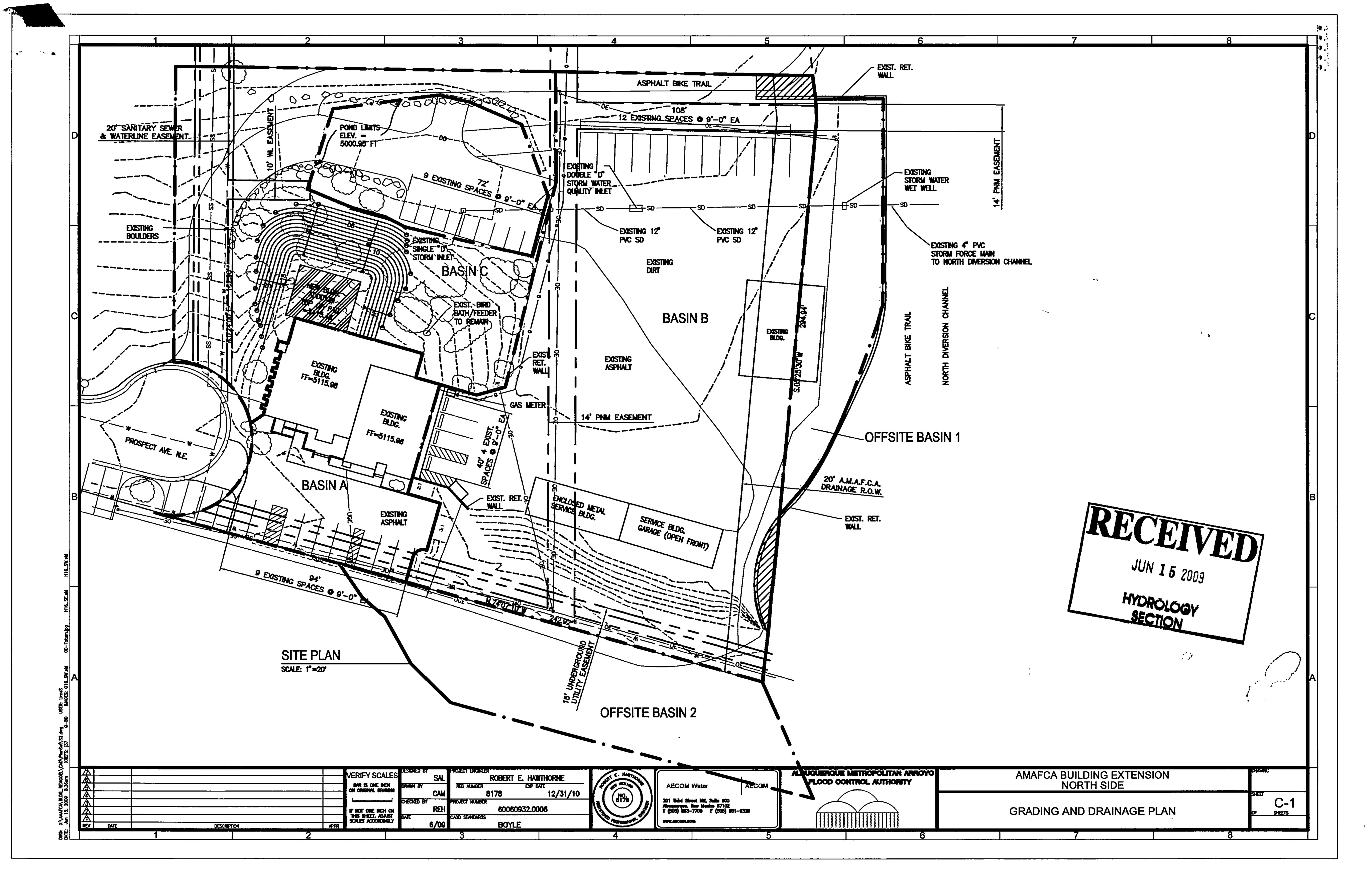
DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

| PROJECT TITLE: AMAFCA Blog Extension No DRB#: EPC#: | |
|---|--|
| | |
| LEGAL DESCRIPTION: | |
| CITY ADDRESS: | |
| ENGINEERING FIRM: AECOM USA, Inc. | CONTACT: Susan Linie 600 PHONE: 889-4386/50 |
| ADDRESS: 201 Third St. NEW. Swife | 600 PHONE: 889 - 4386/50. |
| CITY, STATE: Albuqueque, NM 87/10 | |
| OWNER: AMAPCA | CONTACT: |
| ADDRESS: 2600 Prospect Ave NE | · · · · · · · · · · · · · · · · · · · |
| CITY, STATE: | ZIP CODE: |
| ARCHITECT: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| SURVEYOR: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | |
| CONTRACTOR: | CONTACT: |
| ADDRESS: | PHONE: |
| CITY, STATE: | ZIP CODE: |
| TYPE OF SUBMITTAL: CHECK TYPE | OF APPROVAL SOUGHT: |
| | FINANCIAL GUARANTEE RELEASE |
| DRAINAGE PLAN 1 st SUBMITTAL PRE | LIMINARY PLAT APPROVAL |
| DRAINAGE PLAN RESUBMITTAL S. DI | EV. PLAN FOR SUB'D APPROVAL |
| CONCEPTUAL G & D PLAN S. DI | EV. FOR BLDG. PERMIT APPROVAL |
| GRADING PLAN SEC | FOR PLAN APPROVAL |
| EROSION CONTROL PLANFINA | L PLAT APPROVAL |
| ENGINEER'S CERT (HYDROLOGY)FOU | NDATION PERMIT APPROVAL |
| CLOMR/LOMRBUII | DING PERMIT APPROVAL: |
| TRAFFIC CIRCULATION LAYOUT CER | TIFICATE OF OCCUPANCY (PERM) |
| ENGINEER'S CERT (TCL) CER' | TIFICATE OF OCCUPANCY (TEMP) |
| ENGINEER'S CERT (DRB SITE PLAN) GRA | DING PERMIT APPROVAL |
| OTHER (SPECIFY)PAV | ING PERMIT APPROVAL |
| ,- WOF | K ORDER APPROVAL |
| required? | ER (SPECIFIC III) |
| WAS A PRE-DESIGN CONFERENCE ATTENDED: | |
| YES | JUN 1 5 2009 |
| NO | JOIN TO CO. |
| COPY PROVIDED | |
| | BY: MYDROLOGY |
| DATE SUBMITTED: | BY: 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.



DRAINAGE INFORMATION SHEET

| PROJECT TITLE: AMAFCA MAINTE | NANCE | ATLAS/DRAINAG | E FILE# H-16-32 | | |
|--|-----------------------------------|---------------------------------------|--|--|--|
| FACILITY | | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | |
| LEGAL DESCRIPTION: Tract C, Nether | wood Pa | rk/Miracerros Add | ition | | |
| CITY ADDRESS: 2600 Prospect NE | · · · · · · · · · · · · · · · · · | | | | |
| ENGINEERING FIRM: Thompson Engine ADDRESS: 2060 MAIN ST. NE, STE E | _ | ons. CONTACT:Dav PHONE: 866-1395 | - | | |
| LOS LUNAS, NM 87031 | | FRUNE: 000-1393 | | | |
| OWNER: AMAFCA | • | CONTACT: Jerry | Lovato | | |
| ADDRESS: 2600 Prospect NE | | PHONE: 884-22 | | | |
| ARCHITECT: NA | | CONTACT: NA | | | |
| ADDRESS: NA | | PHONE: NA | | | |
| SURVEYOR: NA | | CONTACT: NA | | | |
| ADDRESS: NA | | PHONE: NA | | | |
| CONTRACTOR: NA | | CONTACT: NA | | | |
| ADDRESS: NA | | PHONE: NA | | | |
| DDE DECICAL RECUENCE. | | | | | |
| PRE-DESIGN MEETING: YES | | DRB NO. | | | |
| X NO | | EPC NO. | | | |
| COPY OF CONFERENCE | | PROJECT NO. | | | |
| RECAP SHEET PROVIDED | | 1110000 | | | |
| | | | | | |
| TYPE OF SUBMITTAL: | CHECI | K TYPE OF APPRO | OVAL SOUGHT: | | |
| DRAINAGE REPORT | | SECTOR PLAN A | PPROVAL | | |
| DRAINAGE PLAN | | SKETCH PLAT AF | PROVAL | | |
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City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 6, 2000

David B. Thompson
THOMPSON ENGINEERING CONSULTANTS, INC.
2060 Main Street NE Suite E
Los Lunas, NM 8787031

Re: AMAFCA Maintenance Facility Addition Grading & Drainage Certification

Engineer's Stamp dated 1-20-2000 (H16/D086)

Certification date 11-22-2000

Dear Mr. Thompson:

Based upon the information provided in your submittal dated 11-22-2000, the above referenced site is approved for Certificate of Occupancy.

If I can be of further assistance, you can contact me at 924-3986

Sincerely,
Bradley L. Burgham

Bradley L. Bingham, PE

Hydrology Review Engineer

C: Teresa Martin

file



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 9, 2000

Dave Thompson, P.E. Thompson Engineering Consultants 2060 Main St. NE, Suite E Los Lunas, NM 87031

BUILDING PERMIT APPROVAL FOR THE AMAFCA MAINTENANCE FACILITY RE: (H-16/D86)

Dear Mr. Thompson,

Based upon the information provided in your January 20, 2000, submittal, the project referred to above is approved for Building Please attach a copy of this approved plan to the Permit. construction sets prior to sign-off by Hydrology.

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

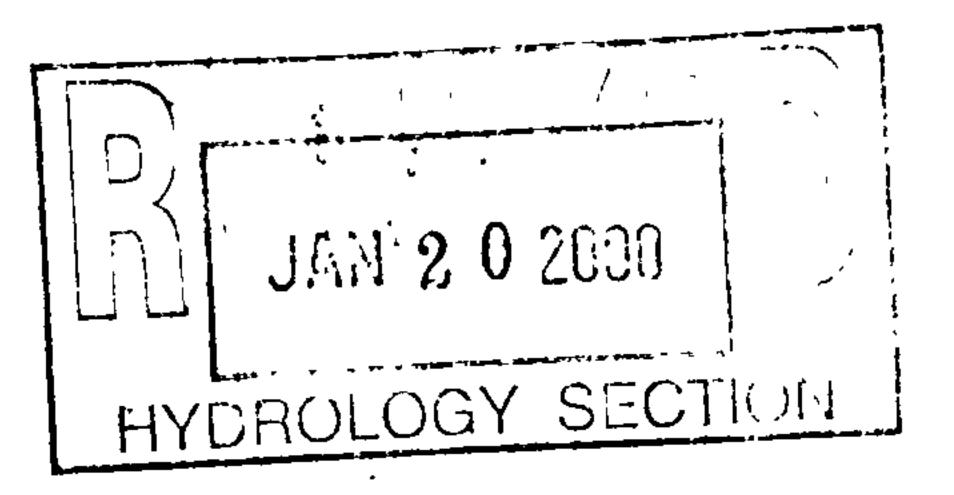
Sincerely,

Stuart Reeder, P.E.

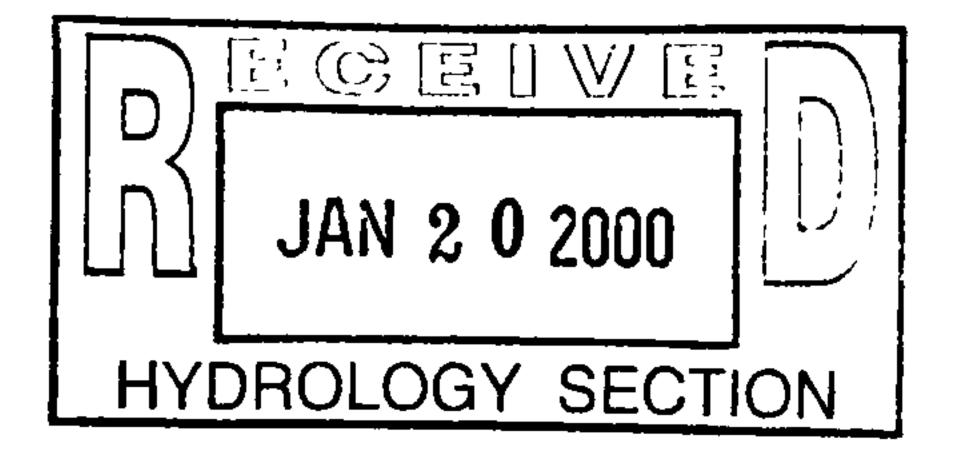
Hydrology Division

xc: Whitney Reierson

DRAINAGE REPORT for AMAFCA MAINTENANCE FACILITY ADDITION



DRAINAGE REPORT for AMAFCA MAINTENANCE FACILITY ADDITION



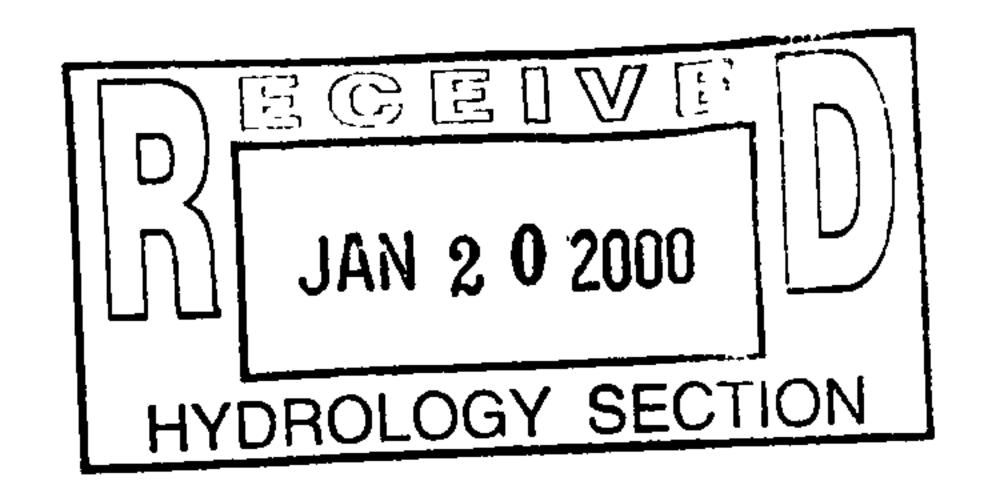
DRAINAGE INFORMATION SHEET

| d Park/Miracerros Addition ig Cons. CONTACT:Dave Thompson PHONE: 866-1395 CONTACT: Lisa Manwill PHONE: 884-2215 |
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HYDROLOGY SECTION

DRAINAGE REPORT for AMAFCA MAINTENANCE FACILITY ADDITION

Prepared for:
AMAFCA
2600 Prospect NE
Albuquerque, NM 87107



Prepared by:
Thompson Engineering Consultants, Inc.
2060 Main Street N.E.
Suite E

Los Lunas, NM 87031

January 2000

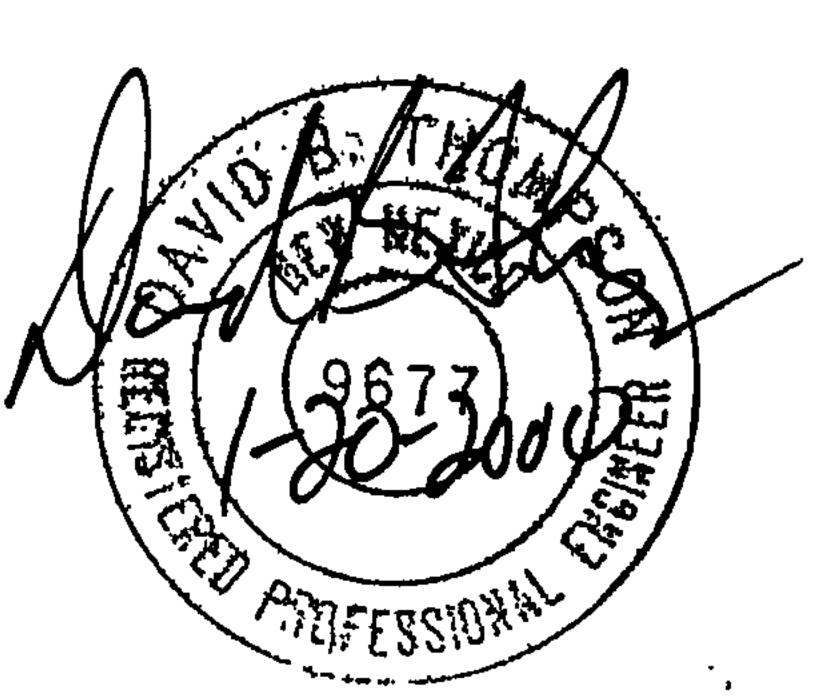


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| PLATE 1 EXISTING CONDITIONS |

INTRODUCTION AND SITE LOCATION

A new maintenance facility is proposed to be constructed at the AMAFCA offices located at 2600 Prospect NE. The proposed 40' by 50' maintenance building will be located behind the Office in the maintenance yard area. Also, a future 40' by 50' maintenance building is shown in the maintenance yard area. The 1.98 acre property currently has the AMAFCA office building and a service building in the maintenance area. The previous drainage plan, prepared in 1994 by Jeff Mortensen & Associates, Inc., was used as the basis for this drainage analysis. This report summarizes the results of the drainage analysis for this site including the proposed and future maintenance facility additions.

METHODOLOGY

The hydrologic criteria in Section 22 of the City of Albuquerque Development Process Manual (DPM), entitled "Drainage, Flood Control, and Erosion Control," was followed to perform the analyses given in this report. This site is located within Precipitation Zone 2. The design storms used for both the existing undeveloped and fully developed conditions of the AMAFCA site is the 100-year, 6-hour storm event (2.35 inches) for peak flow computations, and the 100-year, 24-hour storm event (2.75 inches) for peak volume calculations.

EXISTING DRAINAGE CONDITIONS

The site is currently developed with the office building and service building (see Plate 1). The site is divided into three drainage basins, Basin A, Basin B, and Basin C. Offsite flows drain to Basin B site from the east and south. Basin C drains to a pond located in the parking area north of the office building. In 1998, AMAFCA installed storm water pump system to drain the pond in Basin C to the North Diversion Channel. This system included installing a 12" gravity line from the inlet in the Basin C pond to the pump station located along the east property line. The flows are then pumped at a rate of 200 gpm through a 3" force main to the North Diversion Channel. More information about the pump station is located in Appendix B.

Table 1 Existing Drainage Conditions

| Basin | Area (ac) | 100 yr 24 hr Volume (CF) | Peak Flow (cfs) | Land Treatments | | S | |
|---------|--------------|--------------------------------|-----------------|-----------------|-------|------|-------|
| | - | | | A | В | C | D |
| A | 0.238 | 2068 | 1.0 | | 0.013 | | 0.224 |
| В | 1.070 | 5808 | 3.7 | 0.10 | 0.06 | 0.57 | 0.34 |
| C | 0.669 | 3446 | 2.2 | | 0.17 | 0.32 | 0.18 |
| OFFSITE | 0.697 | 2497 | 1.9 | | 0.33 | 0.36 | 0.01 |

According to the FEMA Flood Insurance Rate Map Number 35001C0351 D, effective date September 20, 1996, there are no flood hazard zones on the site. A floodplain is shown within the North Diversion Channel. Please refer to Figure 1 on page 3.

DEVELOPED DRAINAGE CONDITIONS

The proposed and future maintenance buildings are located within Basin B. Basins A, C, and the Offsite Basin are not affected by the maintenance building additions. A detention pond will be graded within Basin B at the northwest corner of the site to accept runoff from Basin B and the Offsite Basin. A Type D inlet will be placed over the existing 12" storm sewer to drain the pond at a rate equal to the storm water pump station discharge of 200 gpm (0.45 cfs). The 100-year water surface elevation of the pond will be 5101.06 which results in a depth of 2.56 feet. The total volume of the pond is 9626 cubic feet. Since the entire maintenance yard area of AMAFCA is fenced and the access is restricted to personnel, fencing around the perimeter of the pond is not required.

Table 2 Developed Drainage Conditions

| Basin | Area (ac) | 100 yr 24 hr Volume (CF) | Peak Flow (cfs) | Land Treatments | | S | |
|---------|--------------|--------------------------------|-----------------|-----------------|-------|------|-------|
| | | | | A | В | C | D |
| Α | 0.238 | 2068 | 1.0 | | 0.013 | | 0.224 |
| В | 1.070 | 7129 | 4.2 | | 0.06 | 0.45 | 0.57 |
| C | 0.669 | 3446 | 2.2 | | 0.17 | 0.32 | 0.18 |
| OFFSITE | 0.697 | 2497 | 1.9 | | 0.33 | 0.36 | 0.01 |

Table 3 Basin B Pond Volume

| Elevation | Area (sf) | Incremental Volume (CF) | Cumulative Volume (CF) |
|-----------|--------------|-------------------------|------------------------|
| | | | |
| 5098.50 | 0 | 0 | 0 |
| 5099.00 | 1920 | 480 | 480 |
| 5100.00 | 4450 | 3185 | 3665 |
| 5101.00 | 6270 | 5360 | 9025 |
| 5101.20 | 7315 | 1359 | 10,384 |

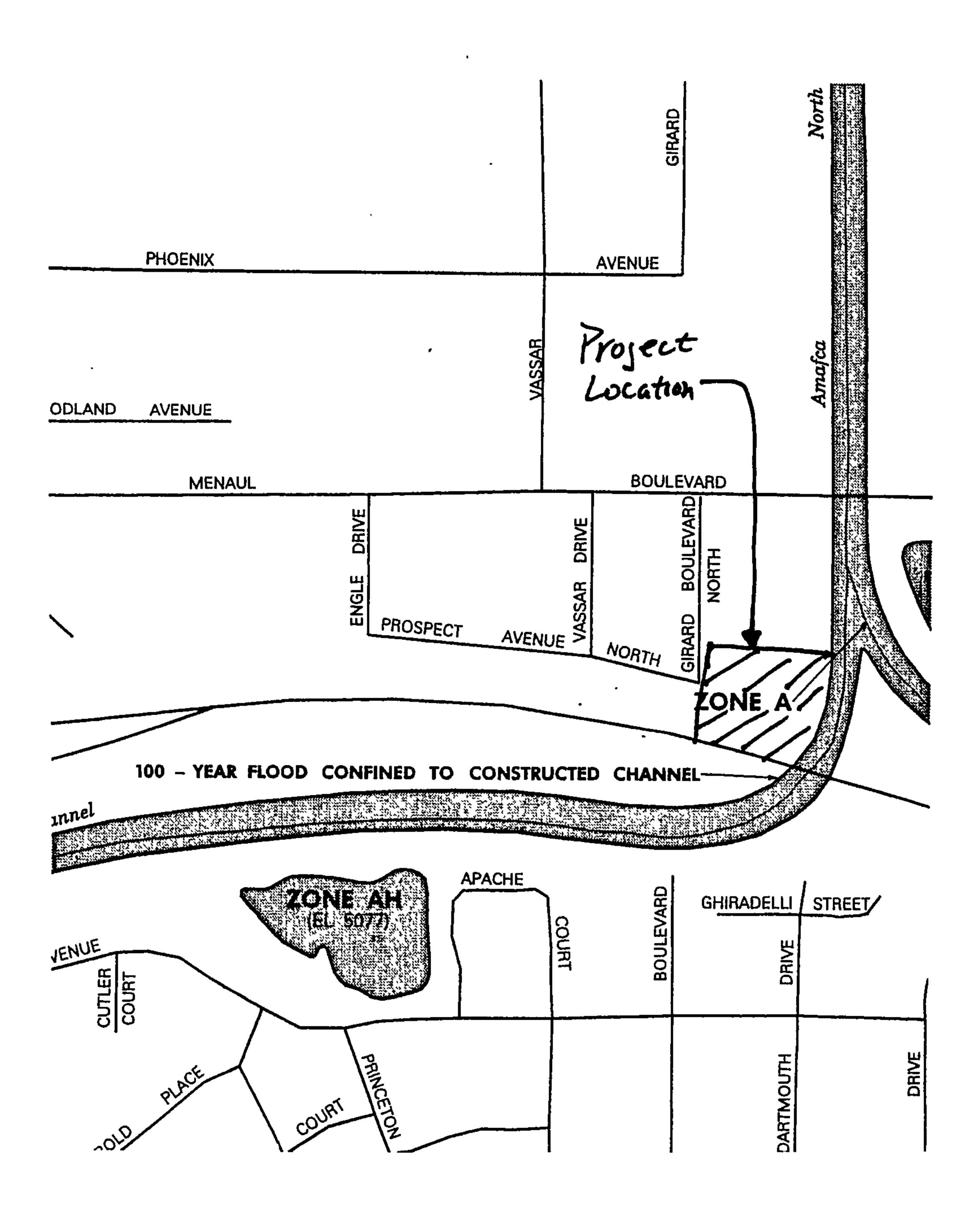


Figure 1 FEMA Floodplain Map

FEMA Flood Insurance Rate Map Number 35001C0351 D, effective date September 20, 1996

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A PART OF THE PART

100 yr Cohr Volume

Basin A $[(0.013 \times 0.78) + (0.224 \times 2.12)] \div 12 = 0.090 \text{ ac-fe}$ Basin B

[[0,06 × 0,78)+(0,450 × 1,13)+(0,56 × 2,12)] = 0,195 ac-fe

Basin C [(0,166 x 0.78) + (0,320 x 1,13) + (0,183x2,12)] -12 = 0,073 ac-fe

Offsite Basin

[(0.327 × 0.78)+ (0.36 × 1.13)+ (0.01×2,4)]+12=0.057ac-fa

100 yr 24 hr Volume

Busin A

 $V_{1440} = 0.09 + 0.224 (2.75-2.35)/12 = 0.048 ac- 4 = 2068 CF$ Busin B

V1440 = 0,145 + 0.56 (2.75-2.35)/12= 0.164 GC-FE = 7129 CF

Busin C.

V1440 = 0.073 + 0.183(2.75-2.35)/12 = 0.079AC-Ft = 3,446CF

Offsite Busin

1/440 = 0.057+ 0.01 (275-235)/12 = 0.057ac-ft = 2,497cF

Total Pond Volume required in Basin B

Basin B + Offsite basin = 7129+2997 = 9626 CF

ekle Diskaise

Busin A

Basin B

ないこの

)+(0,320x3/4)+(0,183x

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APPENDIX A HYDROLOGIC CALCULATIONS

APPENDIX B STORM WATER PUMP STATION INFORMATION

SECTION 15100 STORM WATER PUMP STATION

PART 1 GENERAL

1.01 WORK INCLUDED

The specifications shall govern all work necessary to furnish, install and place into operation the electrical submersible pump required to complete this project. This section includes electrical submersible pump to be supplied with motor, close coupled volute, cast iron discharge elbow, guide bar brackets, power cable and accessories.

1.02 QUALITY ASSURANCE

The pump shall be heavy duty, electric submersible, centrifugal non-clog units designed for handling raw, unscreened sewage and wastewater and shall be fully guaranteed for this use. The pump provided shall be capable of operating in an ambient liquid temperature of 104 degrees F. since the high temperature of 104 degrees F is specified by the National Electrical Manufacturers Association (NEMA) and Factory Mutual (FM), motors with a maximum ambient temperature rating below 104 degrees F shall not be acceptable.

The pump and motor unit shall be suitable for continuous operation at full nameplate load while the motor is completely submerged, partially submerged or totally non-submerged. The use of shower systems, secondary pumps or cooling fans to cool the motor shall not be acceptable.

The pump, mechanical seals and motor units provided under this specification shall be from the same manufacturer in order to achieve standardization of operation, maintenance, spare parts, manufacturer's service and warranty.

1.03 SUBMITTALS

Submittal data shall be provided to show compliance with these specifications, plan or other specifications that will influence the proper operation of the pump.

Standard submittal data for approval must consist of:

- a) Pump Performance Curves
- b) Pump Outline Drawing
- c) Station Drawing for Accessories
- d) Electrical Motor Data
- e) Control Drawing and Data
- f) Access Frame Drawing
- g) Typical Installation Guides
- h) Technical Manuals
- i) Parts List
- i) Printed Warranty
- k) Manufacturer's Equipment Storage Recommendations
- 1) Manufacturer's Standard Recommended Start-up Report Form

Lack of the above requested submittal data is cause for rejection.

TESTING 1.04

Testing performed upon each pump shall include the following inspections:

- a) Impeller, motor rating and electrical connections shall be checked for compliance with this specification
- b) Prior to submergence, each pump shall be run dry to establish correct rotation
- c) Each pump shall be run submerged in water
- d) Motor and cable insulation shall be tested for moisture content or insulation defects

Upon request, a written quality assurance record confirming the above testing/inspections shall be supplied with each pump at the time of shipment.

Each pump (when specified) shall be tested in accordance with the latest test code of the Hydraulic Institute (H.I.) at the manufacturer to determine head vs. capacity and kilowatt draw required. Witness tests shall be available at the factory upon request.

The pump shall be rejected if the above requirements are not satisfied.

START-UP SERVICE 1.05

The equipment manufacturer shall furnish the services of a qualified factory trained field service engineer for one 8-hour working day at the site to inspect the installation and instruct the owner's personnel on the operation and maintenance of the pumping units. After the pump has been completely installed and wired, the contractor shall have the manufacturer do the following:

- a) Megger stator and power cables
- b) Check seal lubrication
- Check for proper rotation
- Check power supply voltage
- Measure motor operating load and no load current
- Check level control operation and sequence

During this initial inspection, the manufacturer's service representative shall review recommended operation and maintenance procedures with the owner's personnel.

FACTORY SERVICE 1.06

Factory-Approved service facilities with qualified factory-trained mechanics shall be available for prompt emergency and routine service.

1.07 GUARANTEE

In addition to the general guarantee required elsewhere in these specifications, the pump manufacturer shall furnish the Owner with a written warranty to cover the pump and motor against defects in workmanship and material for a period of five (5) years or 10,000 hours of operation under normal use and service. The pump manufacturer will pay the following portion of the cost of all replacement parts and repair labor from the date of shipment of the pump unit. Pumps repaired under warranty will be returned to the owner freight prepaid.

| Months Hours | 0-18 0-3000 | 19-39 3000-6500 | 40-60 6500-10000 25% |
|-----------------|----------------|--------------------|----------------------------|
| Warranty | 100% | 50% | 25% |

The warranty shall be in printed form and previously published as the manufacturer's standard warranty for all similar units manufactured.

1.08 EXPERIENCE

The pump manufacturer shall have a minimum of 10,000 heavy-duty submersible wastewater pumps installed and operating for no less than 5 years in the United States.

PART 2 PRODUCTS

2.01 PUMP

Furnish and install one submersible non-clog wastewater pump Flygt Model CP3085 with a 438 MT impeller and 3" discharge or approved equal. Each pump shall be equipped with a 1.6 HP submersible electric motor connected for operation on 230 volts, single phase, 60 hertz, #1417 wire service with 100 feet of submersible cable. The power cable shall be sized according to NEC and ICEA standards and also meet with P-MSHA approval. The pump shall be supplied with a mating cast iron 3 inch discharge connection and be capable of delivering 200 GPM at 19.3 TDH. An additional point on the same curve shall be 250 GPM at 16.5 feet total head. Shut off head shall be 10 feet (minimum). Each pump shall be fitted with 10 feet of lifting chain or stainless steel cable. The working load of the lifting system shall be 50% greater than the pump unit weight.

2.02 PUMP STATION

Pump station shall be a City of Albuquerque 4 foot diameter Type "C" sewer manhole with precast concrete sections with precast concrete base and cover (see drawing).

2.03 ACCESS COVER

Access cover shall be Flygt, angle frame, standard duty, single door, 24"x24" opening or approved equal.

PART 3 EXECUTION

3.01 EXCAVATION

Excavate a large enough hole to provide sufficient working room around the station. The outside diameter of the bottom slab should be at least one foot larger than that of the concrete sections used.

3.02 CONNECTING PIPES

Provide connecting holes for the influent pipe, effluent pipe and cable thrulets in accordance with the Engineer's specification. Flexible joints outside of concrete wall will reduce the danger of dislocation due to settlement.

3.03 BACKFILL

Backfill gradually and evenly around station after concrete and joints have hardened. Compact backfill to minimize post-installation settlement.

3.04 TOP SLAB WITH ACCESS COVER

Diameter of top slab shall be at least two feet larger than O.D. of ring sections. The access cover must be installed and properly oriented in the top slab.

- 1. See station drawings for pump model and access cover location in relation to the centerline of the station.
- 2. Positioning of the hinge side of the cover (see Accessories Section).
- 3. The top slab and access cover must be level. -

3.05 AUTOMATIC DISCHARGE CONNECTION

The automatic discharge connection must be attached to the bottom slab at the exact location required relative to the access cover.

- 1. Attach the upper guide bar bracket to the access frame (see Accessories Section). Also, the centerline of the bracket will determine the centerline of the installed pump.
- 2. Place the pump discharge connection on the bottom slab and line up as shown in the Accessories Section.
- 3. Cut to length and install the guide bars between the upper guide bar bracket and discharge connection.
- 4. Before securing anchor bolt nuts, check across the discharge connection(s) outlet flange(s) face with level and him if necessary. Guide bars should be parallel and vertical.

3.06 INTERNAL PIPING AND MANIFOLD

Use proper gaskets, tighten bolts gradually and evenly. In deep stations, install discharge pipe brackets to relieve discharge connections from overload and intermediate guide bar brackets to prevent guide bars from bending.

3.07 INSTALLATION OF PUMP UNITS

Lower pump units into place along guide bars. Check visually metal-to-metal contact between volute flange and discharge connection. If necessary, recheck and realign discharge connection(s) and guide bars with pumps in place.

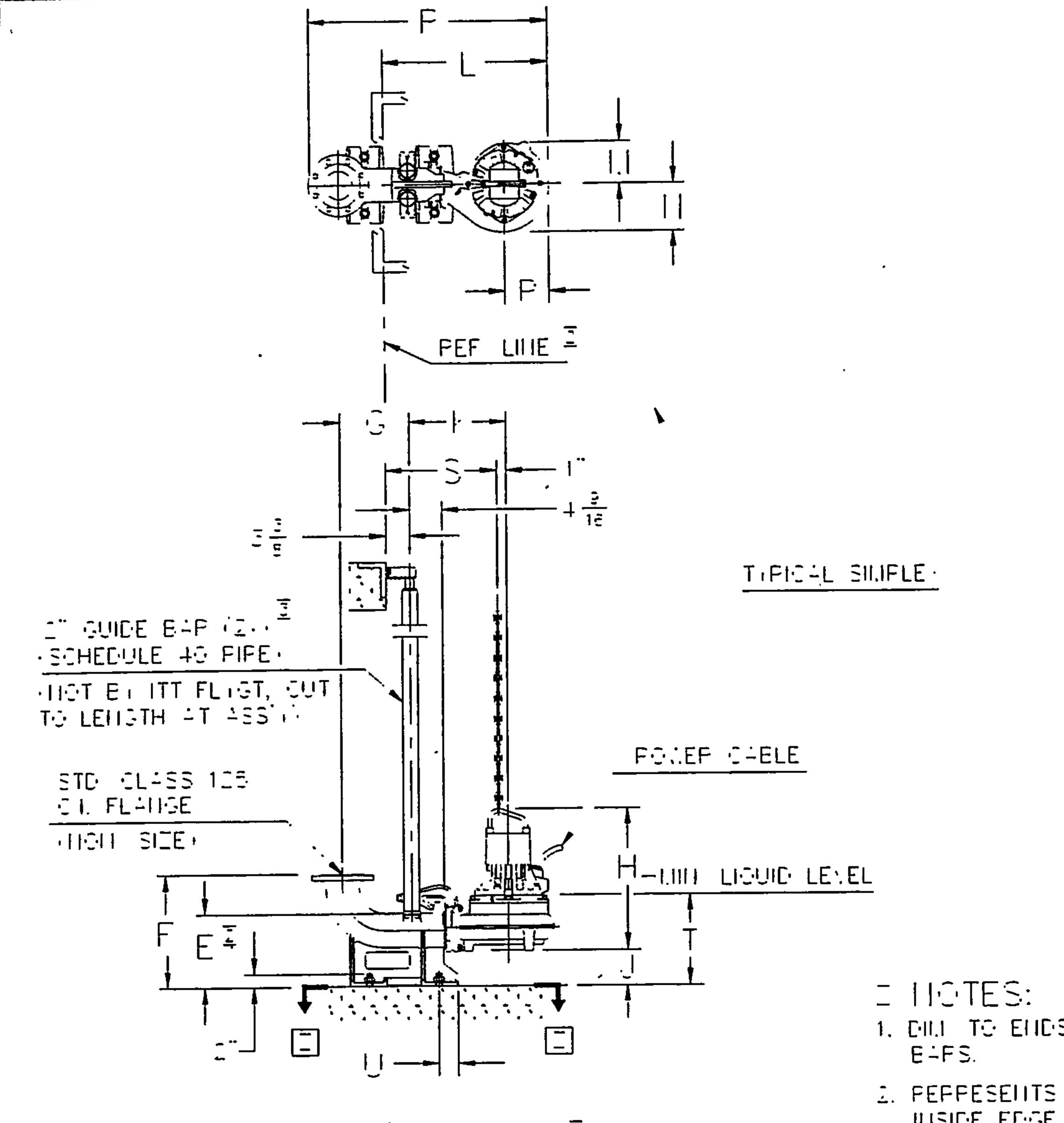
3.08 GROUTING

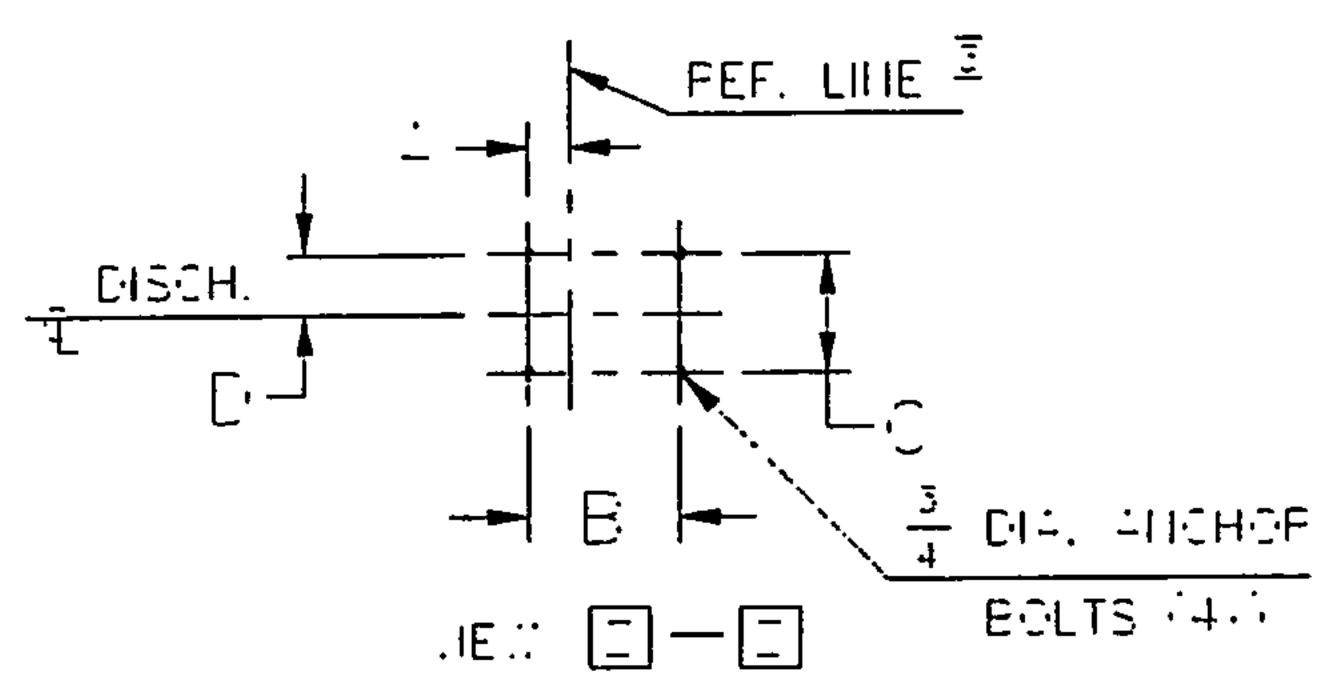
After proper alignment of all components, including metal-to-metal connection of pump flange is established, grout access cover, discharge connections and pipe thrulets. Build up and shape slopes at bottom of the station as shown in Station Drawings. This will help in preventing build-up of solids at the bottom where side walls meet the floor.

3.09 SURFACE PROTECTION

An epoxy-coal tar system is suggested for all internal surfaces, concrete or metallic, if possible, follow the recommendations in WPCF Manual of Practice No. 17 "Paints and Protective Coatings for Wastewater Treatment Facilities" or the instructions of a reputable manufacturer of protective coating systems, such as Carboline, Koppers, Inertol, Perry-Austen, etc. Proper surface preparation and careful application will pay off in reduced maintenance costs and longer life.

END OF SECTION





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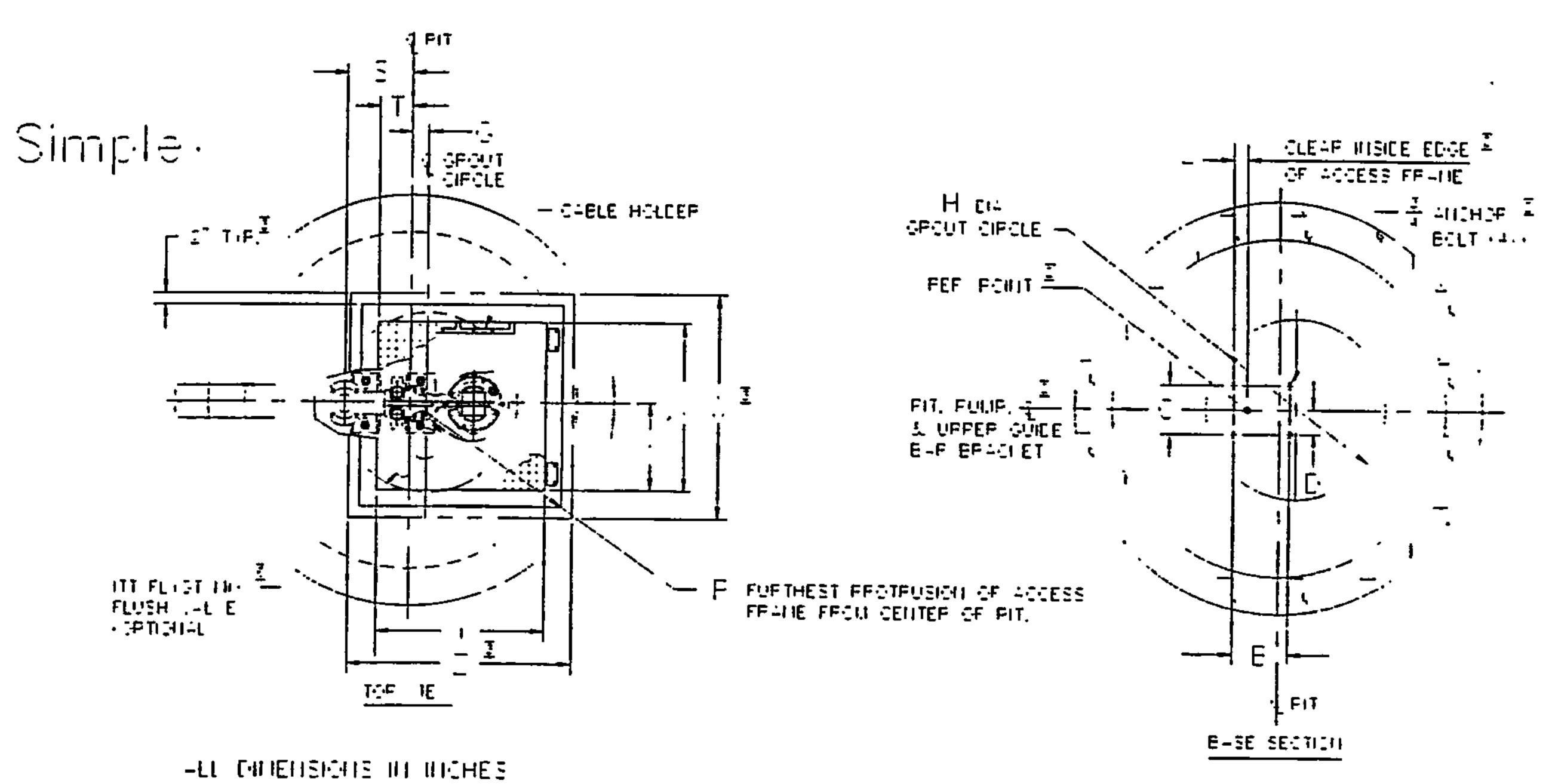
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AMAFCA DRAINAGE IMPROVEMENTS



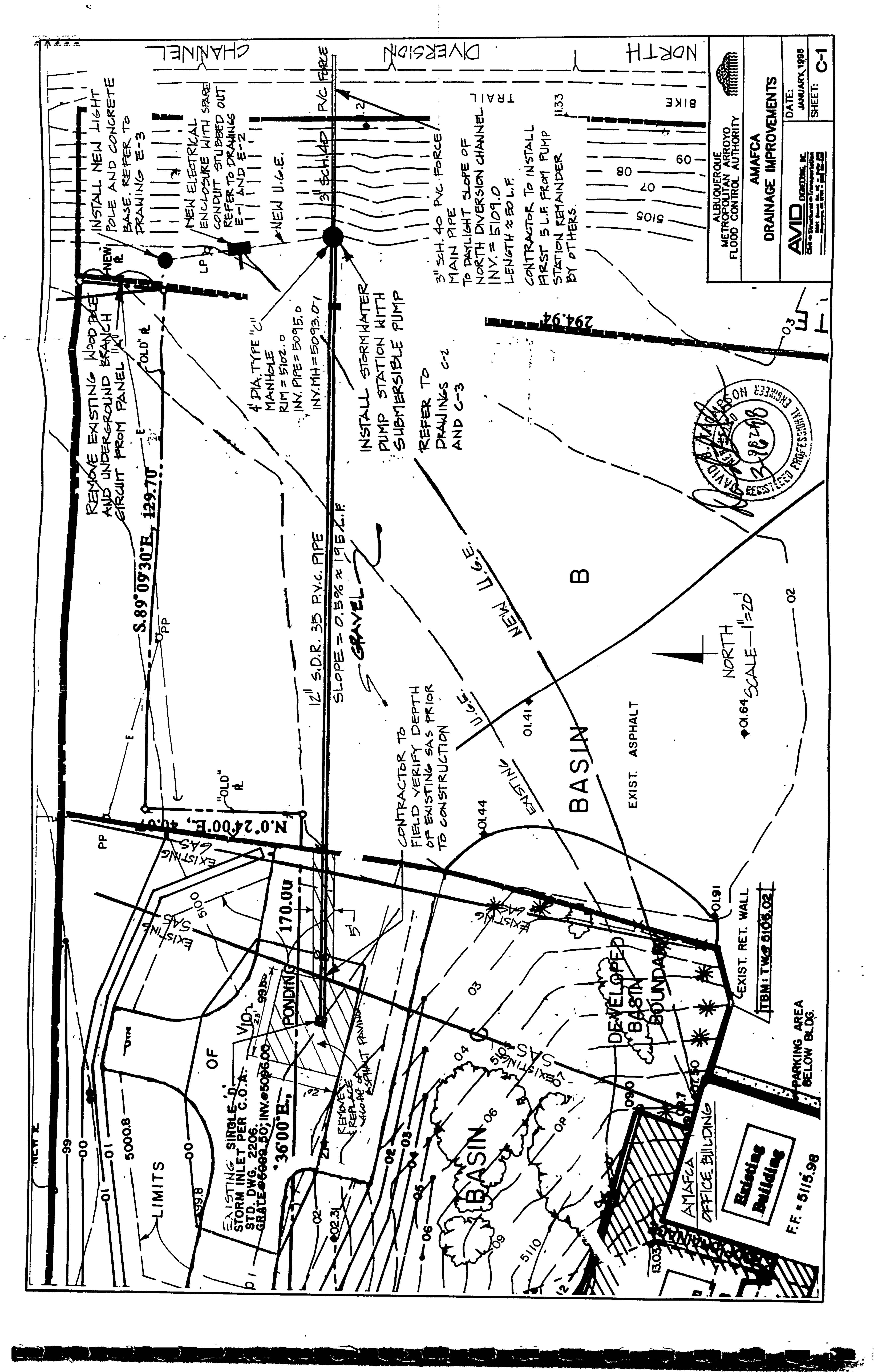
FIGURE C-2



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CP-3085 Lift Station Dimensions







P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 17, 1995

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

RE: ENGINEER CERTIFICATION FOR AMAFCA SITE @ 2400 PROSPECT NE (H16-D86) CERTIFICATION STATEMENT DATED 2/11/95.

Dear Mr. Mortensen:

Based on the information provided on your February 14, 1995 submittal, Engineer Certification for the above referenced site is acceptable.

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

Sincerely,

Bernie J. Montoya, CE Engineering Associate

BJM/dl

c: Andrew Garcia File

9-30893

| PROJECT TITLE: AMAGA | ZONE ATLAS/DRNG. FILE #: \4/6/D3(|
|--------------------------------------|--|
| DRB #: EPC #: | |
| | THORWOOD PARK |
| CITY ADDRESS: 2400 BOSP | SCT 15 |
| ENGINEERING FIRM: JEFF MOETEUSEN & A | SSOC. CONTACT: JEFF MORTENSEN |
| ADDRESS: 6010-B MIDWAY PARK BU | 10 NG PHONE: 345-4250 |
| OWNER: AMAGE | CONTACT: 6th KELLY |
| ADDRESS: 2600 Peospect | WE PHONE: <u>884-2215</u> |
| ARCHITECT: | CONTACT: ART TATUM |
| ADDRESS: 6100 In1011 South | 502 PHONE: <u>883-5200</u> |
| SURVEYOR: JEFE MORTENSEN & ASSOC | CONTACT: SEA MORTENSEN |
| ADDRESS: 4010-B MIDWAY PARK EL | 10 NG PHONE: 3454250 |
| CONTRACTOR: J. M. BROOK | CONTACT: KS/ODEL |
| ADDRESS: 10 BUX 8670 | PHONE: |
| 87/ | 198 |
| TYPE OF SUBMITTAL: | CHECK TYPE OF APPROVAL SOUGHT: |
| DRAINAGE REPORT | SKETCH PLAT APPROVAL |
| DRAINAGE PLAN | 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 |
| ENGINEER'S CERTIFICATION | FINAL PLAT APPROVAL |
| OTHER | FOUNDATION PERMIT APPROVAL |
| • | BUILDING PERMIT APPROVAL |
| PRE-DESIGN MEETING: | CERTIFICATE OF OCCUPANCY APPROVAL |
| YES | GRADING PERMIT APPROVAL |
| NO | PAVING PERMIT APPROVAL |
| COPY PROVIDED | S.A.D. DRAINAGE REPORT |
| COPI PROVIDED | |
| | DRAINAGE REQUIREMENTS |
| | OTHER (SPECIFY) |
| | |
| DATE SUBMITTED: 02-15-75 | FEB 1 4 D.J |
| DI: | L'YPROLOGY DIVISIO. |



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 28, 1994

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

RE: REVISED GRADING PLAN FOR AMAFCA SITE @ 2400 PROSPECT NE

(H16-D86) REVISION DATED 9/24/94.

Dear Mr. Mortensen:

Based on the information provided on your September 26, 1994 resubmittal, revisions as indicated for Basin C ponding area are acceptable.

Please be advised that once the minor corrections have been constructed, re-certification 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/d1/WPHYD/8182

c: Andrew Garcia File

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| PROJECT TITLE: AMAFCA EXPANSION | ZONE ATLAS/DRNG. FILE #: H-16/D86 |
|--|--|
| DRB #: EPC #: | |
| LEGAL DESCRIPTION: TRACT 'C' NETHERW | 000 PARKY MIRACERROS ADDITION |
| CITY ADDRESS: 2000 PROJPECT AV | E NE, ALBUQUERQUE, NM |
| ENGINEERING FIRM: TMA | CONTACT: GRAENE MEANS |
| ADDRESS: 60/0-B MIONNY PARK | BUO. PHONE: 345-4250 |
| OWNER: AMAFCA | |
| ADDRESS: | PHONE: |
| ARCHITECT: FAWNING. BARD. TOTUM | |
| ADDRESS: 6100 INDIAN SCHOOL RI | 0 NE PHONE: <u>883-5200</u> |
| SURVEYOR: ALBUDUEROUE SURVEYIM | |
| ADDRESS: 2119 MENUAUL, LE | PHONE: <u>884-2036</u> |
| CONTRACTOR: NOT SELECTED | CONTACT: |
| ADDRESS: | PHONE: |
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| DRAINAGE REPORT | SKETCH PLAT APPROVAL |
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| 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 |
| ENGINEER'S CERTIFICATION | FINAL PLAT APPROVAL |
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| PRE-DESIGN MEETING: | CERTIFICATE OF OCCUPANCY APPROVAL |
| YES | GRADING PERMIT APPROVAL |
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| COPY PROVIDED | S.A.D. DRAINAGE REPORT |
| • | DRAINAGE REQUIREMENTS |
| | OTHER (SPECIFY) |
| | The state of the s |
| • | |
| DATE SUBMITTED: $\frac{12/17/93}{}$ | |
| BY: JEFF MORTENSON ; AS | 50C - LITTI |

DANIEL W. COOK, CHAIRMAN

PAT D. HIGDON, VICE-CHAIRMAN

RONALD BROWN, SECRETARY-TREASURER

GENEIVA MEEKER, ASST. SECRETARY-TREASURER

MICHAEL MURPHY, DIRECTOR

LARRY A BLAIR
EXECUTIVE ENGINEER

Albuquerque Metropolitan Arroyo Flood

TELEPHONE (505) 884-2215

Control

2600 PROSPECT N.E. - ALBUQUERQUE, N. M. 87107

11/2

FAX 768-2639



December 20, 1993

Mr. Bernie Montoya
Hydrology Division
Public Works Department
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: AMAFCA Facilities Expansion and Renovation

Maintenance Agreement

Dear Mr. Montoya:

This letter shall serve as AMAFCA's commitment to perform maintenance and pumping of the proposed retention area to be located in the lower parking area at the renovated AMAFCA Facility.

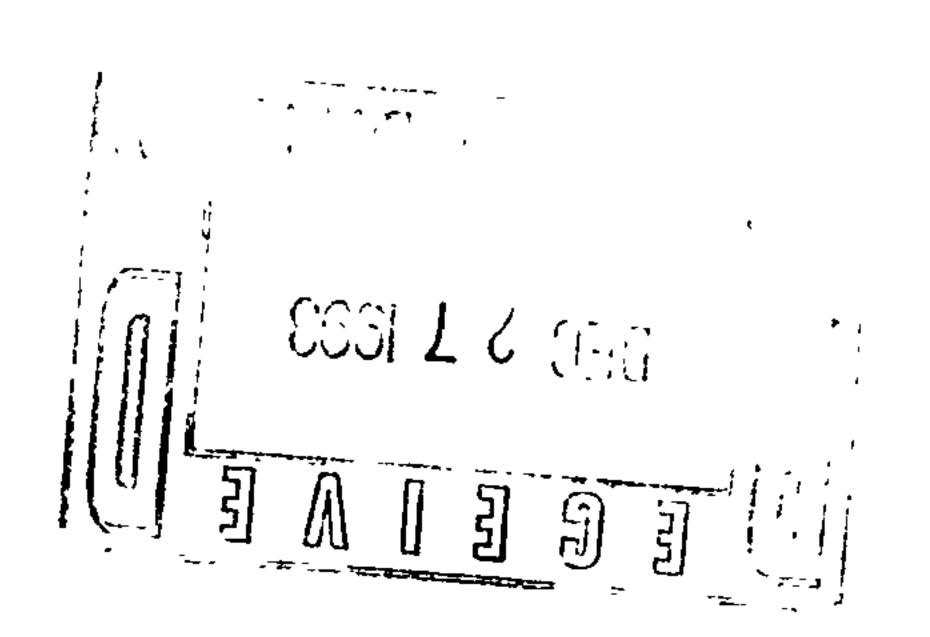
Pumping will be performed within 24 hours of a rainfall event. The AMAFCA Maintenance crew will perform the work, using an exisitng 4-inch truck mounted trash pump. The pumped stormwater will be discharged to the North Diversion Channel.

Please contact John Kelly if you have any questions.

Sincerely

AMAF2A

Larry A. Blair Executive Engineer





P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 21, 1994

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

RE: ENGINEER CERTIFICATION FOR A TEMPORARY CERTIFICATE OF OCCUPANCY FOR AMAFCA (H16-D86) CERTIFICATION STATEMENT DATED 9/13/94.

Dear Mr. Mortensen:

Based on the information provided on your September 14, 1994 submittal, temporary Certificate of Occupancy release will be granted.

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/8182

c: Andrew Garcia File



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 21, 1993

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

RE: REVISED DRAINAGE PLAN FOR AN ADDITION TO AMAFCA COMPLEX (H16-D86) REVISION DATED 12/16/93.

Dear Mr. Mortensen:

Based on the information provided on your December 17, 1993, the above referenced site is approved for Building Permit.

Please be advised that prior to Certificate of Occupancy release, the following must be addressed:

- 1. The acceptance by the owner of maintenance responsibilities and legal liabilities of the pond.
- Documentation of the land swap between AMAFCA and the adjacent property owner.
- 3. Engineer Certification per the D.P.M. checklist.

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

Sincerely,

Bernie J. Montoya, CE

Engineer Associate

BJM/d1/WPHYD/8182

xc: Alan Martinez

<File___

PUBLIC WORKS DEPARTMENT



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 29, 1993

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

> RE: DRAINAGE PLAN FOR AN ADDITION TO AMAFCA COMPLEX (H-16/D86) ENGINEER'S STAMP DATED 10/14/93

Dear Mr. Jefferson:

Based on the information provided on your October 14, 1993 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required for review.

Please be advised that on further submittals, when you are using a disclaimer statement, please provide a copy of the survey with your submittal.

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

Sincerely,

Sernie J. Montoya, CE

Engineer Associate

BJM/ses/WPHYD8074

xc: Alan Martinez

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PUBLIC WORKS DEPARTMENT

CITY OF ALBUQUERQUE

ALBUQUERQUE, NEW MEXICO

| IN. | TER-OFFICE | CORRESPONDEN | CE |
|------|------------|----------------------------|----|
| 11.4 | | 40 1111201 411221 : | |

February 28, 1991

| REF. | NO |
|------|----|
| REF. | NO |

TO:

Louis E. Saavedra, Mayor

FROM:

Robert E. Gurule, Director, Public Works Department/

SUBJECT:

NOTICE OF EMERGENCY RULE/RETENTION PONDING

At the request of Mr. Kevin Murphy, the Hydrology Division has prepared a Notice Of Emergency Rule for your consideration. The purpose of this Emergency Rule is to formalize the City's policy.

Under the City's policy, retention ponding is allowed on a temporary basis only. We have found that the permanent retention ponds, a policy of the 1970's, became mosquito breeding areas and quickly failed as they became clogged with silt. We remedied this by allowing retention ponding as a temporary solution until proper drainage facilities were installed.

The DPM Steering Committee has created a drainage sub-committee to look into the retention pond question. The committee consists of private and public engineers and one professor from the university. The members are:

Dr. Richard Heggen, Civil Engineering Professor, UNM Chuck Easterling, P.E., Easterling & Associates, Inc. Brian Burnett, P.E., Bohannan-Huston, Inc. Dwayne Sheppard, P.E., Public Works Department Bob Foglesong, P.E., Bernalillo County Public Works Cliff E. Anderson, P.E., AMAFCA Fred Aguirre, P.E., Public Works Department

With the issuance of this Emergency Rule, we can approve plans which require retention on a temporary basis without creating a burden on the development community or the City. This rule will serve until the drainage sub-committee recommendations are adopted by the DPM Steering Committee.

Concur:

Walter H. Nickerson, Jr., P.E.

Concur:

Deniel W Hogan D F

xc: Kevin Murphy

FJA: REG/bsj

Pursuant to Article XI, Chapter 7 of the Revised Ordinances of Albuquerque, 1974:

I, Louis E. Saavedra, Mayor of the City of Albuquerque, have determined that there are urgent and compelling reasons to include certain rules in the Development Process Manual relating to the Minimum Standards for the design of Subdivisions.

This modification of rules is necessary to preclude possible inaccuracies and inconsistencies in the application of certain design criteria for the design of drainage management and flood control systems within the platting and planning jurisdiction of the City of Albuquerque.

I, therefore, declare that the following modifications to the Development Process Manual of the City of Albuquerque shall become effective immediately:

Volume II, of the Development Process Manual shall be modified as follows:

Chapter 22, page 7. Expand part C.3. to include the following:

All Detention ponds must be evacuated in 24 hours or less. Ponds that take more than six hours to drain will be designed for a 24 hour storm. Credit for evacuation by means of percolation will not be taken into account.

Retention ponds will only be permitted on a temporary basis and will only be allowed on a case by case basis as determined by the City Engineer. The criteria for temporary ponds may include but are not limited to the following:

Design of the pond volume will be based on a 100 year 10 day storm with no percolation credit for volume reduction;

The inclusion of an emergency spillway with the pond to carry the 100 year design flow which enters the pond;

The acceptance by the owner of maintenance responsibilities and legal liabilities of the pond;

Approval by the State Engineer if the pond comes under that agent's jurisdiction; and,

Fencing as required by the City Engineer.

Additional modifications may be incorporated into the next periodic update of the Development Process Manual.

For further information regarding this matter, contact the City Engineer at telephone number 768-2650 or by mail at City/County Government Center, One Civic Plaza, Public Works Department, Engineering Group, 3rd Floor, 87103.

Louis E. Saavedra, Mayor

930893

| PROJECT TITLE: AMAZEA | ZONE ATLAS/DRNG. FILE #: 1/6/D86 |
|---|--|
| DRB #: EPC #: | WORK ORDER #: |
| | HERWOOD' PARK |
| CITY ADDRESS: 2600 PROSPEC | 57. NE |
| ENGINEERING FIRM: JEFE MOERENSEN/F/A: | SSOC. CONTACT: JEFF MORTENSEN |
| ADDRESS: 6010-B MIDWAY PARK BU | 10 NG PHONE: 345-4250 |
| OWNER: AMAFCA | CONTACT: JOHN KELLY |
| ADDRESS: 2600 1205/25C | TNE: 884-2215 |
| ARCHITECT: | CONTACT: ART TATION |
| ADDRESS: 6100 INDIAN SCHOO | 2 PHONE: 883-5200 " |
| SURVEYOR: JEFE MORTENSEN & ASSOC | CONTACT: SEFF MORTENSEN |
| ADDRESS: 4010-B MIDINAY PARK EL | UD NG PHONE: 3454250 |
| CONTRACTOR: Jini. B. Solice | CONTACT: |
| ADDRESS: | PHONE: |
| | |
| TYPE OF SUBMITTAL: | CHECK TYPE OF APPROVAL SOUGHT: |
| DRAINAGE REPORT | SKETCH PLAT APPROVAL |
| DRAINAGE PLAN | 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 |
| ENGINEER'S CERTIFICATION | FINAL PLAT APPROVAL |
| OTHER | FOUNDATION PERMIT APPROVAL |
| • | BUILDING PERMIT APPROVAL |
| PRE-DESIGN MEETING: | CERTIFICATE OF OCCUPANCY APPROVAL 7277 |
| YES | GRADING PERMIT APPROVAL |
| | PAVING PERMIT APPROVAL |
| COPY PROVIDED | S.A.D. DRAINAGE REPORT |
| | DRAINAGE REQUIREMENTS |
| | OTHER(SPECIFY) |
| | |
| DATE SUBMITTED: 09-14-94 BY: JEFFREY G. NOW | 27ENSEN (SEN 1994 |
| • |) Tr |

| PROJECT TITLE: AMAFCA EXPANSION ZON | IE ATLAS/DRNG. FILE #: |
|---|--|
| DRB #: EPC #: | |
| LEGAL DESCRIPTION: TRACT "C" NETHERWOOD | PARK/MIRACERROS ADDITION |
| CITY ADDRESS: Z600 PROSPECT AUE NE | JAW, NM. |
| ENGINEERING FIRM: TMA | CONTACT: JEFF MORTENSEN) |
| ADDRESS: 6010-B MIDWAY PARK NE | PHONE: 345-4250 |
| OWNER: AMAFCA | CONTACT: <u>AZCAITECT</u> |
| ADDRESS: (| PHONE: |
| ARCHITECT: FANNING-BARD : TATUM | |
| ADDRESS: 6100 INDIAN SCHOOL RONE | PHONE: <u>883-5200</u> |
| SURVEYOR: ALBUQUERCRIB SURVEYING | CONTACT: FRED SANCHEZ |
| ADDRESS: 2119 MENAUL NE | PHONE: 884-2036 |
| CONTRACTOR: NOT SELECTED | CONTACT: |
| ADDRESS: | PHONE: |
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| DATE SUBMITTED: $10/14/93$ | |
| BY: JEFF MORTENSON FASSO | C. OCT 4 1998 |

DRAINAGE INFORMATION SHEET

930893

| PROJECT TITLE: AMAFCA. | ZONE ATLAS/DRNG. FILE #: 4/6/2 |
|-------------------------------------|--|
| DRB #: EPC #: | WORK ORDER #: |
| | HERWOOD PARK |
| | DSPECT NO |
| ENGINEERING FIRM: LEFE MOETENSEN &A | SSOC. CONTACT: JEFF MORTENSEN |
| ADDRESS: 6010-B MIDWAY PARK BU | 10 NG PHONE: 345-4250 |
| OWNER: AMATER | CONTACT: CONTACT: Kerry |
| ADDRESS: 2000 ROSPECT | PHONE: 654-2215 |
| | CONTACT: ART TATUL |
| ADDRESS: 4100 Inioinal Sch | (200 LAPHONE: 683-5200 |
| SURVEYOR: JEFE MORTENSEN & ASSOC | CONTACT: SEFF MORTENSEN |
| ADDRESS: 4010-B MIDWAY PARK B | LVD NG PHONE: 345-4250 |
| CONTRACTOR: J. M. | CONTACT: |
| ADDRESS: 6 AMAFEA | PHONE: |
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| TYPE OF SUBMITTAL: | CHECK TYPE OF APPROVAL SOUGHT: |
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| EROSION CONTROL PLAN | SECTOR PLAN APPROVAL |
| ENGINEER'S CERTIFICATION | FINAL PLAT APPROVAL |
| OTHER | FOUNDATION PERMIT APPROVAL |
| | BUILDING PERMIT APPROVAL |
| PRE-DESIGN MEETING: | CERTIFICATE OF OCCUPANCY APPROVAL |
| YES | GRADING PERMIT APPROVAL |
| NO | PAVING PERMIT APPROVAL |
| COPY PROVIDED | S.A.D. DRAINAGE REPORT |
| • | DRAINAGE REQUIREMENTS |
| | OTHER REVIEWS (SPECIFY) |
| | Comment |
| | |
| DATE SUBMITTED: 09-2.4-9 | SEP 2 6 1994 |
| RV. 1000 G. NO | ettelsen. |