CITY OF ALBUQUERQUE

August 20, 2007

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

Re: Jimmy Carter Middle School Phase 2 Bus Road, 8901 Bluewater NW, Paving, Grading/Drainage Plan, Engineer's Stamp, 7/12/06, (K-09/D13) Certification Date 8-14-07

Dear Mr. Mortensen,

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

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

Sincerely,

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

C: file

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

JMA 2006.187.8

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

K09/D13

PROJECT TITLE: JIMMY CARTER MS PHASE 2 BUS ROAD ZONE ATLAS/DRNG. FILE #~~K-9 D13~~
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A-1, CLIFFORD WEST INDUSTRIAL PARK, UNIT 2
CITY ADDRESS: 8901 BLUEWATER NW

ENGINEERING FIRM:	HIGH MESA CONSULTING GROUP	CONTACT:	JEFF MORTENSEN
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
OWNER:	ALBUQUERQUE PUBLIC SCHOOLS (DFDC)	CONTACT:	DAVID RITCHEY
ADDRESS:	915 OAK STREET SE	PHONE:	848-8876
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87106
ARCHITECT:	N/A	CONTACT:	N/A
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	HIGH MESA CONSULTING GROUP (NMPS 11184)	CONTACT:	CHUCK CALA
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
CONTRACTOR:	ALBUQUERQUE ASPHALT	CONTACT:	BRIAN LOUGHRIDGE
ADDRESS:		PHONE:	831-7311
CITY, STATE:		ZIP CODE:	

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

___ YES
X NO
___ COPY PROVIDED

RECEIVED
AUG 16 2007
HYDROLOGY SECTION

NOTE: A SEPARATE SUBMITTAL (CERT) FOR THE BUILDING WILL BE REQUIRED FOR ISSUANCE OF CO
DATE SUBMITTED: 08/16/2007 BY: JEFFREY G. MORTENSEN

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

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

CITY OF ALBUQUERQUE

July 20, 2006

2005 088.5

Jeffrey G. Mortensen, P.E.
Jeff Mortensen & Associates, Inc
6010-B Midway Park Blvd. NE
Albuquerque, NM 87125

Re: Jimmy Carter Middle School Bus Lane Extension & Traffic Improvements
Request for Grading and Paving Permit Approval
Engineer's Stamp dated 7-12-06 (K9/D13)

Dear Mr. Mortensen,

Based upon the information contained in your submittal dated July 12, 2006, the above referenced plan is approved for both Grading Permit and Paving Permit.

Upon completion of your project, please submit an engineer's certification. If you have any questions, you can contact me at 924-3990.

Sincerely,

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

cc: file K9/D13
file DRB #1000918

XC: David Ritchey, APS
Rocky Kearney, PSFA
Randy Pulliam, Albuquerque Asphalt
Susan Johnson, FRT Architects

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

RECEIVED
AUG 16 2006
HYDROLOGY SECTION

CITY OF ALBUQUERQUE

October 31, 2007

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

Re: Jimmy Carter Middle School Ph II Building Addition, 8901 Bluewater NW,
Condition of Approval
Engineer's Stamp dated 05/18/2006 (K-09/D013)
Certification dated 10/30/2007

Mr. Mortensen:

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

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

Sincerely,

Timothy Sims
Plan Checker-Hydrology
Development and Building Services

$ PERM. CO.
$-

C: File (K-09/D013)

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

JMA 2006.187.8

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: JIMMY CARTER MS PHASE 2 BUILDING ADD ZONE ATLAS/DRNG. FILE #: ~~K19~~ K09 D13
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A-1, CLIFFORD WEST INDUSTRIAL PARK, UNIT 2
CITY ADDRESS: 8901 BLUEWATER NW

ENGINEERING FIRM:	HIGH MESA CONSULTING GROUP	CONTACT:	JEFF MORTENSEN
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
OWNER:	ALBUQUERQUE PUBLIC SCHOOLS (DFDC)	CONTACT:	DAVID RITCHEY
ADDRESS:	915 OAK STREET SE	PHONE:	848-8876
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87106
ARCHITECT:	FANNING BARD TATUM	CONTACT:	BILL KONOPIK
ADDRESS:	6100 INDIAN SCHOOL ROAD NE	PHONE:	883-5200
CITY, STATE:		ZIP CODE:	
SURVEYOR:	HIGH MESA CONSULTING GROUP (NMPS 11184)	CONTACT:	CHUCK CALA
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
CONTRACTOR:	TC ENTERPRISES	CONTACT:	DOUG PEEL
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

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

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

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

RECEIVED
OCT 30 2007
HYDROLOGY SECTION

NOTE: A SEPARATE CERT FOR THE BUS ROAD & FIRE ACCESS LOOP PREVIOUSLY SUBMITTED & APPROVED
DATE SUBMITTED: 10/30/2007 BY: JEFFREY G. MORTENSEN

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

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

October 3, 2001

BOHANNAN-HUSTON, INC.

Courtyard One

7500 JEFFERSON NE

Albuquerque

NM 87109-4335

Voice 505.823.1000

Fax 505.821.0892

Terri Martin
Project Administrator
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

K-9/D13

Re: Westside North Middle School Extension of Temporary Certificate of Occupancy

Dear Terri:

The purpose of this letter is to request a thirty-day extension of the temporary Certificate Of Occupancy approval for hydrology and transportation development. This extension is necessary because the contractor has not completed all of the work necessary for permanent Certificate of Occupancy approval.

Sincerely,
Bohannan Huston, Inc.

Bruce Stidworthy

Bruce Stidworthy, E.I.
Community Development
and Planning Group

BS/ca

cc: Telstar Construction (Fax: 821-0677)

TOLD VT CHIÉ 10/3/01

DOES THIS FILE BELONG IN THIS FOLDER?

October 3, 2001

BOHANNAN-HUSTON, INC

Courtyard One

7500 JEFFERSON NE

Albuquerque

NM 87109-4335

voice 505 823 1000

fax 505 821 0892

Terri Martin
Project Administrator
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

Re: Westside North Middle School Extension of Temporary Certificate of Occupancy

K-9/D13

Dear Terri:

The purpose of this letter is to request a thirty-day extension of the temporary Certificate 0f Occupancy approval for hydrology and transportation development. This extension is necessary because the contractor has not completed all of the work necessary for permanent Certificate of Occupancy approval.

Sincerely,
Bohannan Huston, Inc.

Bruce Stidworthy

Bruce Stidworthy, E.I.
Community Development
and Planning Group

BS/ca

cc: Telstar Construction (Fax: 821-0677)

P \99491\cdp\corres\CO extension 100301 doc

CITY OF ALBUQUERQUE

July 20, 2006

Jeffrey G. Mortensen, P.E.
Jeff Mortensen & Associates, Inc
6010-B Midway Park Blvd. NE
Albuquerque, NM 87125

Re: Jimmy Carter Middle School Bus Lane Extension & Traffic Improvements
Request for Grading and Paving Permit Approval
Engineer's Stamp dated 7-12-06 (K9/D13)

Dear Mr. Mortensen,

Based upon the information contained in your submittal dated July 12, 2006, the above referenced plan is approved for both Grading Permit and Paving Permit.

Upon completion of your project, please submit an engineer's certification. If you have any questions, you can contact me at 924-3990.

Sincerely,

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

cc: file K9/D13
file DRB #1000918

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

JMA _2005.088.5__

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

K-9/D13

PROJECT TITLE: JIMMY CARTER MS BUS LANE EXT. & RELATED IMPROVMENTS

ZONE ATLAS/DRNG. FILE #: ~~K9/K10~~ _____

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

LEGAL DESCRIPTION: TRACT A-1, UNIT 2, CLIFFORD WEST BUSINESS PARK, ALBUQUERQUE, NM

CITY ADDRESS: 8901 BLUEWATER NW

ENGINEERING FIRM:	JEFF MORTENSEN & ASSOC., INC.	CONTACT:	JEFF MORTENSEN
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
OWNER:	ALBUQUERQUE PUBLIC SCHOOLS	CONTACT:	DAVID RITCHEY
ADDRESS:	P.O. BOX 25704	PHONE:	505-848-8876
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87125
ARCHITECT:	N/A	CONTACT:	N/A
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	JEFF MORTENSEN & ASSOC., INC. (NMPS 11184)	CONTACT:	CHUCK CALA
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87125
CONTRACTOR:	ALBUQUERQUE ASPHALT	CONTACT:	RANDY PULLIAM
ADDRESS:	P.O. BOX 66450	PHONE:	505-831-7311
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87193

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

___ YES
_X_ NO
___ COPY PROVIDED

RECEIVED
JUL 13 2006
HYDROLOGY SECTION

DATE SUBMITTED: 7/12/2006 BY: JUSTIN D SCHARA

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

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

CITY OF ALBUQUERQUE

June 8, 2006

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

Re: Jimmy Carter Middle School Phase II Grading and Drainage Plan Engineer's Stamp dated 5-18-06 (K9/D13)

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 5-18-06, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions 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 924-3695.

Sincerely,

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

C: file
Charles Caruso, DMD

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

JMA 2005.088.1

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: JIMMY CARTER MS PHASE 2 ZONE ATLAS/DRNG. FILE #: K-9/D13
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A-1, CLIFFORD WEST INDUSTRIAL PARK, UNIT 2
CITY ADDRESS: 8901 BLUEWATER NW

ENGINEERING FIRM:	JEFF MORTENSEN & ASSOC., INC.	CONTACT:	JEFF MORTENSEN
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
OWNER:	ALBUQUERQUE PUBLIC SCHOOLS (DFDC)	CONTACT:	DAVID RITCHEY
ADDRESS:	915 OAK STREET SE	PHONE:	848-8876
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87106
ARCHITECT:	FANNING BARD TATUM	CONTACT:	SUSAN JOHNSON
ADDRESS:	6100 INDIAN SCHOOL ROAD NE	PHONE:	883-5200
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87110
SURVEYOR:	JEFF MORTENSEN & ASSOC., INC. (NMPS 11184)	CONTACT:	CHUCK CALA
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
CONTRACTOR:	NOT SELECTED YET	CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

TYPE OF SUBMITTAL:
- ___ DRAINAGE REPORT
- X DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- ___ DRAINAGE PLAN RESUBMITTAL
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN
- ___ EROSION CONTROL PLAN
- ___ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ___ CLOMR/LOMR
- ___ TRAFFIC CIRCULATION LAYOUT (TCL)
- ___ ENGINEER'S CERTIFICATION (TCL)
- ___ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
- X OTHER - PHASE 2

fee paid

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

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

RECEIVED
MAY 18 2006
HYDROLOGY SECTION

DATE SUBMITTED: 05/18/2006 BY: JEFFREY G. MORTENSEN

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

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

JEFF MORTENSEN AND ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

Does not say "logged in" sent to Curtis

TRANSMITTAL

TO: CITY HYDROLOGY

DATE: 6/19/2006

FROM: JEFF MORTENSEN

PROJECT: JIMMY CARTER MS PHASE 2

ATTN : CURTIS CHERNE

JOB NO: 2005.088.1

XC:

FILE K9/D13

VIA: ☐ **Delivery** ☑ **Pickup** ☐ **Mail**

WE ARE SENDING:

QTY.	DESCRIPTION	FOR
1	CLEAN COPY OF AS-APPROVED PLAN	YOUR FILES

REMARKS:

THANKS FOR YOU HELP AND COOPERATION. AS PROMISED, THIS IS THE "CLEAN" COPY OF THE AS-APPROVED PLAN.

IF YOU SHOULD HAVE ANY QUESTIONS OR COMMENTS, PLEASE DO NOT HESITATE TO CALL.

RECEIVED
JUN 19 2006
HYDROLOGY SECTION

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 11, 2001

Charles M. Easterling, P.E.
Easterling & Associates
2600 American Road SE Suite 100
Rio Rancho, New Mexico 87124

RE: WESTSIDE SOUTH MIDDLE SCHOOL
(JIMMY CARTER MIDDLE SCHOOL)
8901 BLUEWATER RD NW (K-9/D13)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 8/8/2000
ENGINEERS CERTIFICATION DATED 3/23/2001

Dear Mr. Easterling:

Based upon the information provided in your Engineers Certification submittal dated 3/28/2001, the above referenced site is approved for Permanent Certificate of Occupancy.

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

Sincerely,

Bradley L. Bingham

Bradley L. Bingham, PE
Senior Civil Engineer
Hydrology Section, PWD

C: Vickie Chavez, COA
Teresa Martin,COA
file

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 11, 2001

TALKED W/ MATTHEW OF 4/11/01
S.D. MAINT;
S.D. CORRECTION NUMBER FOR SO19! OK.

Charles M. Easterling, P.E.
Easterline & Assoc.
2600 American Road SE Suite 100
Rio Rancho, New Mexico 87124

RE: WESTSIDE SOUTH MIDDLE SCHOOL (JIMMY CARTER MIDDLE SCHOOL)
8901 BLUEWATER RD NW (K-9/D13)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED ~~2/18/2000 Rev. 4/26/2000~~ 8/8/2000
ENGINEERS CERTIFICATION DATED 3/23/2001

Dear Mr. Easterling:

Based on the information provided on your submittal April 9, 2001, the above referenced project **can not** be approved for a Permanent Certificate of Occupancy at this time.

The S.O. #19 on the Engineers Certification requires the City's storm drainage inspector's signature prior to approval of the Permanent Certificate of Occupancy as per the Design Process Manual (DPM) Chapter 17 "Private Storm Drain Facilities within a City Right-of-Way and/or Easement"

A 30-day Temporary Certificate of Occupancy was issued on August 9, 2000, (to accomodate the new school year), which has since expired. As time is of the essence, your attention to expedite obtaining this signature is of the utmost importance.

When the signature of the City's storm drainage maintenance inspector has been obtained and submitted to the City's Hydrology Division for approval, we will take every measure to expedite this submittal, so a Permanent Certificate of Occupancy can be issued.

If I can be of further assistance, please feel free to contact me at 924-3986.

Sincerely,

Bradley L. Bingham

Bradley L. Bingham, P.E.
Senior Civil Engineer, Hydrology
Public Works Department

c: Teresa Martin, COA
File

DRAINAGE INFORMATION SHEET

(WESTSIDE SOUTH MIDDLE SCH.)

K-9/D13

PROJECT TITLE: Jimmy Carter Middle School ZONE MAP/DRG. FILE #: ~~K-9~~
DRB #: 98-398 EPC#: Z 97-11 WORK ORDER#:

LEGAL DESCRIPTION: CLIFFORD WEST BUSINESS PARK, UNIT 2, TRACT A-1
CITY ADDRESS: 8901 BLUEWATER RD SW Albuquerque, NM

ENGINEERING FIRM: EASTERLING & ASSOC. INC CONTACT: CHARLES EASTERLING
ADDRESS: 2600 THE AMERICAN RD. SE SUITE 100 PHONE: 898-8021
CITY, STATE: RIO RANCHO, NM 87124 ZIP CODE: 87124

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: BOB BECKER
ADDRESS: 915 OAK ST SE PHONE: 242-5865
CITY, STATE: ALBUQ, NM ZIP CODE: 87106

ARCHITECT: FANNING-BARD-TATUM CONTACT: TED GRUMBLATT
ADDRESS: 6100 INDIAN SCHOOL RD PHONE: (505) 883-5200
CITY, STATE: ALBUQ, NM ZIP CODE: 87110

SURVEYOR: EASTERLING & ASSOC. INC CONTACT: Charles Easterling
ADDRESS 2600 The American Rd. SE SUITE 100 PHONE: 898-8021
CITY, STATE: RIO RANCHO, NM ZIP CODE: 87124

CONTRACTOR: HB CONSTRUCTION CONTACT: TIM ZAGER
ADDRESS: 8421 WYOMING PL NE PHONE: (505) 856-0404
CITY, STATE: ALBUQ, NM 87113 ZIP CODE: 87113

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- X ENGINEER'S CERTIFICATION
- ____ CLOMR/LOMR
- ____ OTHER

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

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

DATE SUBMITTED: 3/28/01. BY: Timothy A. Zager

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

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

RECEIVED
MAR 23 2001
HYDROLOGY SECTION

City of Albuquerque

August 23, 2000

Charles M. Easterling, P.E.
Easterling & Assocates, Inc.
2600 American Road SE
Suite 100
Rio Rancho, NM 87124

RE: WEST SIDE SOUTH MIDDLE SCHOOL (K9-D13), ENGINEER'S CERTIFICATION FOR Tempoary CERTIFICATE OF OCCUPANCY APPROVAL. ENGINEER'S STAMP DATED AUGUST 8, 2000.

Dear Mr.Easterling:

Based on the information provided on your August 8, 2000 submittal, the above referenced project is approved for TEMPORARY Certificate of Occupancy. A 30-day C.O. had been issued on August 9, 2000 to accomodate the new school year. This Certificate is good for thirty (30) days from the date of this letter.

Please submit for a FINAL C.O. as soon as possible following the completion of the project. It should have the Inspector's Signature on the G & D Plan.

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

Sincerely,

John P. Murray, P.E.
Hydrology

c : Whitney Reierson
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: West Side South Middle School ZONE ATLAS/DRNG. FILE #: K-9/D-13

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

LEGAL DESCRIPTION: Clifford West Business Park, Unit 2, Tract A-1

CITY ADDRESS: Not Yet Established

ENGINEERING FIRM: Easterling & Associates, Inc. CONTACT: Charles M. Easterling

ADDRESS: 2600 American Rd. SE PHONE: 898-8021

Rio Rancho, NM 87124

OWNER: Albuquerque Public Schools, CONTACT: Bob Becker

Dept. of Facilities Planning and Construction PHONE: 242-5865

ADDRESS: 415 Oak SE

Albuquerque, NM

ARCHITECT: FBT Architects CONTACT: Bruce Farmer

ADDRESS: 6100 Indian School NE PHONE: 883-5200

Albuquerque, NM 87110

SURVEYOR: Jeff Mortensen & Associates CONTACT: Chuck Cala

ADDRESS: 6010-B Midway Park Blvd. NE PHONE: 345-4250

Albuquerque, NM 87109

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

_____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
___ DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
X ENGINEER'S CERTIFICATION
___ OTHER _____

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

RECEIVED
AUG 0 8 2000
P. ... REVIEW

DATE SUBMITTED: August 8, 2000

BY: Charles M. Easterling

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
X OTHER Temporary Certificate of Occupancy

RECEIVED
AUG 0 8 2000
PWD/DESIGN REVIEW

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 24, 1999

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87124

RE: Grading and Drainage Plan for West Side South Middle School (K9/D13), Submitted for Building Permit and S.O. #19 Approval, Engineer's Stamp Dated 4/13/99.

Dear Mr. Lewis:

Based on the information provided with the submittal of May 6, 1999, the above referenced plan is approved for Building Permit release and release of the S.O. #19.

Please be advised that a separate permit is required for construction within the City right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit.

As you are aware, the Engineer's Certification is required prior to release of the Certificate of Occupancy for this school.

If you have any questions, or if I may be of further assistance to you, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: John Murray
Arlene Portillo
Desiderio Salas, Street Maintenance Division
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

May 24, 1999

INTEROFFICE CORRESPONDENCE — HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division

FROM: Susan M. Calongne, P.E., City/County Floodplain Administrator, PWD SMC

SUBJECT: **PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY DRAINAGE FILE NUMBER (K9-D13).**

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the SO #19 design.

This plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed off SO #19 is required by this office for Certificate of Occupancy release; therefore your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation. If you have any questions and/or comments, please call me at 924-3982.

Attachment

Log 5/14/99

DRAINAGE INFORMATION SHEET

PROJECT TITLE: West Side South Middle School ZONE ATLAS/DRNG. FILE #: K-9/D-13

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

LEGAL DESCRIPTION: Clifford West Business Park, Unit 2, Tract A-1

CITY ADDRESS: Not Yet Established

ENGINEERING FIRM: Easterling & Associates, Inc. CONTACT: J. Martin Lewis

ADDRESS: 2600 American Rd. SE PHONE: 898-8021

Rio Rancho, NM 87114

OWNER: Albuquerque Public Schools, CONTACT: Bob Becker

Dept. of Facilities Planning and Construction PHONE: 242-5865

ADDRESS: 415 Oak SE

Albuquerque, NM

ARCHITECT: FBT Architects CONTACT: Bruce Farmer

ADDRESS: 6100 Indian School NE PHONE: 883-5200

Albuquerque, NM 87110

SURVEYOR: Jeff Mortensen & Associates CONTACT: Chuck Cala

ADDRESS: 6010-B Midway Park Blvd. NE PHONE: 345-4250

Albuquerque, NM 87109

CONTRACTOR: Not Yet Selected CONTACT: _____

ADDRESS: _____ PHONE: _____

_____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
X DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
___ OTHER _____

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

DATE SUBMITTED: May 6, 1999

BY: Vicki Fry

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER _____

RECEIVED
MAY 6 1999
HYDROLOGY SECTION

2600 American Road SE, Suite 100
Rio Rancho, New Mexico 87124
Phone (505) 898-8021 Fax (505) 898-8501

Easterling & Associates, Inc.

Fax

To: Fred Aguirre **From:** Vicki Fey

Company: COA Hydrology **Pages:** 3 , including cover

Fax No.: 924-3864 **Date:** 5-6-99

Job Name: Westside Middle Sch **Job No:** 4950

Transmitted Item: Drainage Information Sheet; COA Comments

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply**

• **Message:**

Please call if you have any questions.

Thx.

Vicki

RECEIVED
MAY 6 1999
HYDROLOGY SECTION

If you receive this fax in error, or you do not receive all information as noted, please contact us at once: 898-8021

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 31, 1999

RECEIVED
APR - 5 1999
4950

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87124

RE: Grading and Drainage Plan for West Side South Middle School (K9/D13), Submitted for Building Permit Approval, Engineer's Stamp Dated 3/22/99.

Dear Mr. Lewis:

Prior to approval for Building Permit release for the above referenced site, the plans must be revised to address the following comments:

1. A one-foot water block is required at each entrance to the site. The elevations shown on the plan do not indicate that the water blocks are provided.

2. It is not clear on the plan where the proposed pavement is located. Does the pavement continue to Los Volcanes Road on the east side?

3. It appears that the southern portion of the driveway on the west side is flat. It is unclear how this drains. Provide more elevations.

4. The plans call out the private storm drain pipe sizes, however, the materials are not specified. Are these RCP or PVC?

5. The details for the swales and rundowns state that the widths and lengths are on the plan, however, not all of these dimensions are provided. Are transitions needed for the 2' wide swales or rundowns connecting to the 4' wide curb openings?

6. An S.O. #19 is required for the connection to the existing storm drain in Bluewater. A signature from City Storm Drain Maintenance is required on the plan.

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

RECEIVED
MAY 6 1999
HYDROLOGY SECTION

c: Bob Becker, Albuquerque Public Schools
File

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 31, 1999

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87124

RE: ***Grading and Drainage Plan for West Side South Middle School (K9/D13), Submitted for Building Permit Approval, Engineer's Stamp Dated 3/22/99.***

Dear Mr. Lewis:

Prior to approval for Building Permit release for the above referenced site, the plans must be revised to address the following comments:

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Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Bob Becker, Albuquerque Public Schools
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: West Side South Middle School ZONE ATLAS/DRNG. FILE #: K-9/D-13

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

LEGAL DESCRIPTION: Clifford West Business Park, Unit 2, Tract A-1

CITY ADDRESS: Not Yet Established

ENGINEERING FIRM: Easterling & Associates, Inc. CONTACT: J. Martin Lewis

ADDRESS: 2600 American Rd. SE PHONE: 898-8021

Rio Rancho, NM 87114

OWNER: Albuquerque Public Schools, CONTACT: Bob Becker

Dept. of Facilities Planning and Construction PHONE: 242-5865

ADDRESS: 415 Oak SE

Albuquerque, NM

ARCHITECT: FBT Architects CONTACT: Bruce Farmer

ADDRESS: 6100 Indian School NE PHONE: 883-5200

Albuquerque, NM 87110

SURVEYOR: Jeff Mortensen & Associates CONTACT: Chuck Cala

ADDRESS: 6010-B Midway Park Blvd. NE PHONE: 345-4250

Albuquerque, NM 87109

CONTRACTOR: Not Yet Selected CONTACT: _____

ADDRESS: _____ PHONE: _____

_____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
X DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
___ OTHER _____

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

RECEIVED
MAR 17 1999
HYDROLOGY SECTION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER _____

DATE SUBMITTED: March 17, 1999

BY: Vicki Fry

Easterling & Associates, Inc.

2600 THE AMERICAN ROAD SE, SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

Date: March 17, 1999	Job No.: 4950
Re: West Side South Middle School	

To: City of Albuquerque
Hydrology
Plaza Del Sol
600 2nd Street – 2nd Floor West

Attn: **Susan Calongne, P.E.**

WE ARE SENDING YOU ☑ Attached ☐ Under Separate Cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☑ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

Copies	Date	No	Description
2			Final Grading and Drainage Plans – Sheet C-1.5, 1.6, 1.8, 1.9, 1.10, 1.11, and 1.12
1			Drainage Information Sheet
1			AHYMO run – 100 year 24 hour storm routed through detention pond.

THESE ARE TRANSMITTED AS CHECKED BELOW:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☑ For review and comment ☐ _____
☐ FOR BIDS DUE _____, 19___ ☐ PRINTS ON LOAN – RETURN TO *EAI* AFTER BID

Remarks: Please call if you have questions.

RECEIVED
MAR 17 1999
HYDROLOGY SECTION

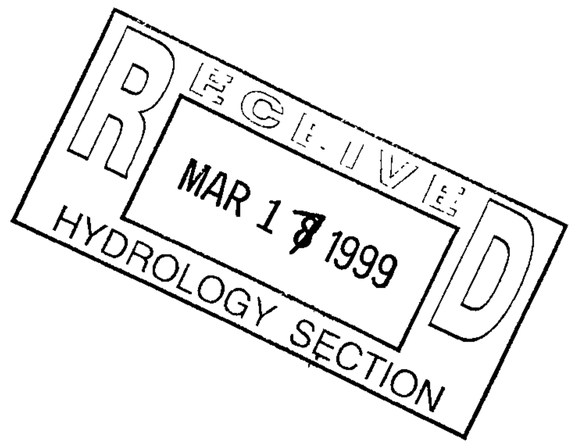
SIGNED: Vicki Fry
Vicki Fry, P.E.

COPY TO: _____

RECEIVED BY: _____ DATE: _____

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

Form Rev. 6/16/97




```
    AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
         RUN DATE (MON/DAY/YR) = 03/12/1999
         START TIME (HR:MIN:SEC) = 13:49:35     USER NO.= EASTERNM.I01
         INPUT FILE = wms24r3.hmi

** WEST SIDE SOUTH MIDDLE SCHOOL
** FINAL GRADING & DRAINAGE PLAN
** 3-11-99
** 100 YEAR 24 HOUR STORM
** INPUT FILE WMS24R3.HMI
**********************************************************************
START                 0.0 HOURS

RAINFALL              TYPE=-2  0.0  1.87  2.20  2.66  DT=0.05

                 COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
                 DT =     .050000 HOURS       END TIME =    24.000000 HOURS
**********************************************************************

** Compute hydrograph for Basin 2, fully developed (14.07 ac)

COMPUTE NM HYD        ID=1  HYDROGRAPH NO=101.0  DA=0.021984
                      %A=0.0  %B=13.0  %C=38.0  %D=49.0  TP=0.13
                      MASS RAINFALL=-1


    K =    .070850HR    TP =    .130000HR    K/TP RATIO =    .545000     SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   43.609    CFS   UNIT VOLUME =     .9991       B =   526.28      P60 = 1.8700
    AREA =       .010772 SQ MI    IA =     .10000 INCHES    INF =     .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .050000


    K =    .109492HR    TP =    .130000HR    K/TP RATIO =    .842245     SHAPE CONSTANT, N =  4.229961
    UNIT PEAK =   31.930    CFS   UNIT VOLUME =    1.002       B =   370.22      P60 = 1.8700
    AREA =       .011212 SQ MI    IA =     .38824 INCHES    INF =     .93706 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .050000

PRINT HYD             ID=1  CODE=1

                                   PARTIAL HYDROGRAPH   101.00


    RUNOFF VOLUME =     1.64690 INCHES     =       1.9309 ACRE-FEET
```

```
    PEAK DISCHARGE RATE =      49.05 CFS  AT   1.500 HOURS   BASIN AREA =    .0220 SQ. MI.


** Compute hydrograph for Basin 1, fully developed (4.93 ac)

COMPUTE NM HYD       ID=2  HYDROGRAPH NO=102.0  DA=0.007703
                     %A=0.0  %B=12.0  %C=37.0  %D=51.0  TP=0.13
                     MASS RAINFALL=-1


    K =    .070850HR    TP =    .130000HR    K/TP RATIO =    .545000     SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   15.904    CFS   UNIT VOLUME =     .9987       B =   526.28      P60 = 1.8700
    AREA =       .003929 SQ MI    IA =     .10000 INCHES    INF =     .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .050000


    K =    .109247HR    TP =    .130000HR    K/TP RATIO =    .840359     SHAPE CONSTANT, N =  4.240359
    UNIT PEAK =   10.769    CFS   UNIT VOLUME =     1.001       B =   370.89      P60 = 1.8700
    AREA =       .003774 SQ MI    IA =     .38673 INCHES    INF =     .93286 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .050000

PRINT HYD            ID=2  CODE=1

                                   PARTIAL HYDROGRAPH   102.00

    RUNOFF VOLUME =     1.67926 INCHES     =         .6899 ACRE-FEET
    PEAK DISCHARGE RATE =      17.38 CFS  AT   1.500 HOURS   BASIN AREA =    .0077 SQ. MI.


** Add Basins 1 and 2

ADD HYD                          ID=3  HYD NO=103  IDS=1 AND 2

PRINT HYD            ID=3  CODE=1

                                   PARTIAL HYDROGRAPH   103.00

    RUNOFF VOLUME =     1.65528 INCHES     =        2.6208 ACRE-FEET
```

PEAK DISCHARGE RATE = 66.43 CFS AT 1.500 HOURS BASIN AREA = .0297 SQ. MI.

** Site release rate of 1.03 cfs/ac over 19 acres in 100 year storm
** (per Atrisco Business Park Master Drainage Plan, revised October 1993)
** Route through pond with 19.57 cfs allowable 100 year maximum release rate
** Pond Outlet controlled by 18" orifice, with C=0.6
** Pond dimensions per conceptual final Plan, March 11, 1999

ROUTE RESERVOIR ID=4 HYDROGRAPH NO=500 INFLOW ID=3 CODE=10

OUTFLOW(cfs)	STORAGE(ac ft)	ELEV(ft)
0.0	0.0000	31.0
4.3	0.0383	32.0
9.5	0.1025	33.0
12.8	0.2631	34.0
15.3	0.4765	35.0
17.5	0.7465	36.0
19.5	1.1363	37.0
20.4	1.4185	37.5

* * * * * * * * * * * * * * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	31.00	.000	.00
.50	.00	31.00	.000	.00
1.00	.00	31.00	.000	.00
1.50	66.43	35.12	.509	15.56
2.00	12.50	36.62	.990	18.75
2.50	1.73	35.02	.482	15.35
3.00	.56	32.15	.048	5.09
3.50	.31	31.09	.003	.39
4.00	.25	31.06	.002	.26
4.50	.24	31.06	.002	.24
5.00	.25	31.06	.002	.25
5.50	.28	31.06	.002	.27
6.00	.31	31.07	.003	.30
6.50	.36	31.08	.003	.36
7.00	.35	31.08	.003	.35

7.50	.34	31.08	.003	.34
8.00	.33	31.08	.003	.33
8.50	.32	31.08	.003	.32
9.00	.31	31.07	.003	.31
9.50	.30	31.07	.003	.30
10.00	.29	31.07	.003	.30
10.50	.29	31.07	.003	.29
11.00	.28	31.07	.002	.28
11.50	.27	31.06	.002	.27
12.00	.27	31.06	.002	.27
12.50	.26	31.06	.002	.26
13.00	.25	31.06	.002	.25
13.50	.24	31.06	.002	.25
14.00	.24	31.06	.002	.24
14.50	.24	31.06	.002	.24
15.00	.23	31.05	.002	.23
15.50	.23	31.05	.002	.23
16.00	.22	31.05	.002	.22
16.50	.22	31.05	.002	.22
17.00	.22	31.05	.002	.21
17.50	.21	31.05	.002	.21
18.00	.20	31.05	.002	.21
18.50	.20	31.05	.002	.20
19.00	.20	31.05	.002	.20
19.50	.19	31.05	.002	.20
20.00	.19	31.05	.002	.19
20.50	.19	31.04	.002	.19
21.00	.18	31.04	.002	.19
21.50	.18	31.04	.002	.18
22.00	.18	31.04	.002	.18
22.50	.18	31.04	.002	.18
23.00	.17	31.04	.002	.18
23.50	.17	31.04	.002	.17
24.00	.17	31.04	.002	.17
24.50	.01	31.00	.000	.02

PEAK DISCHARGE = 18.983 CFS - PEAK OCCURS AT HOUR 1.85
MAXIMUM WATER SURFACE ELEVATION = 36.741
MAXIMUM STORAGE = 1.0355 AC-FT INCREMENTAL TIME= .050000HRS

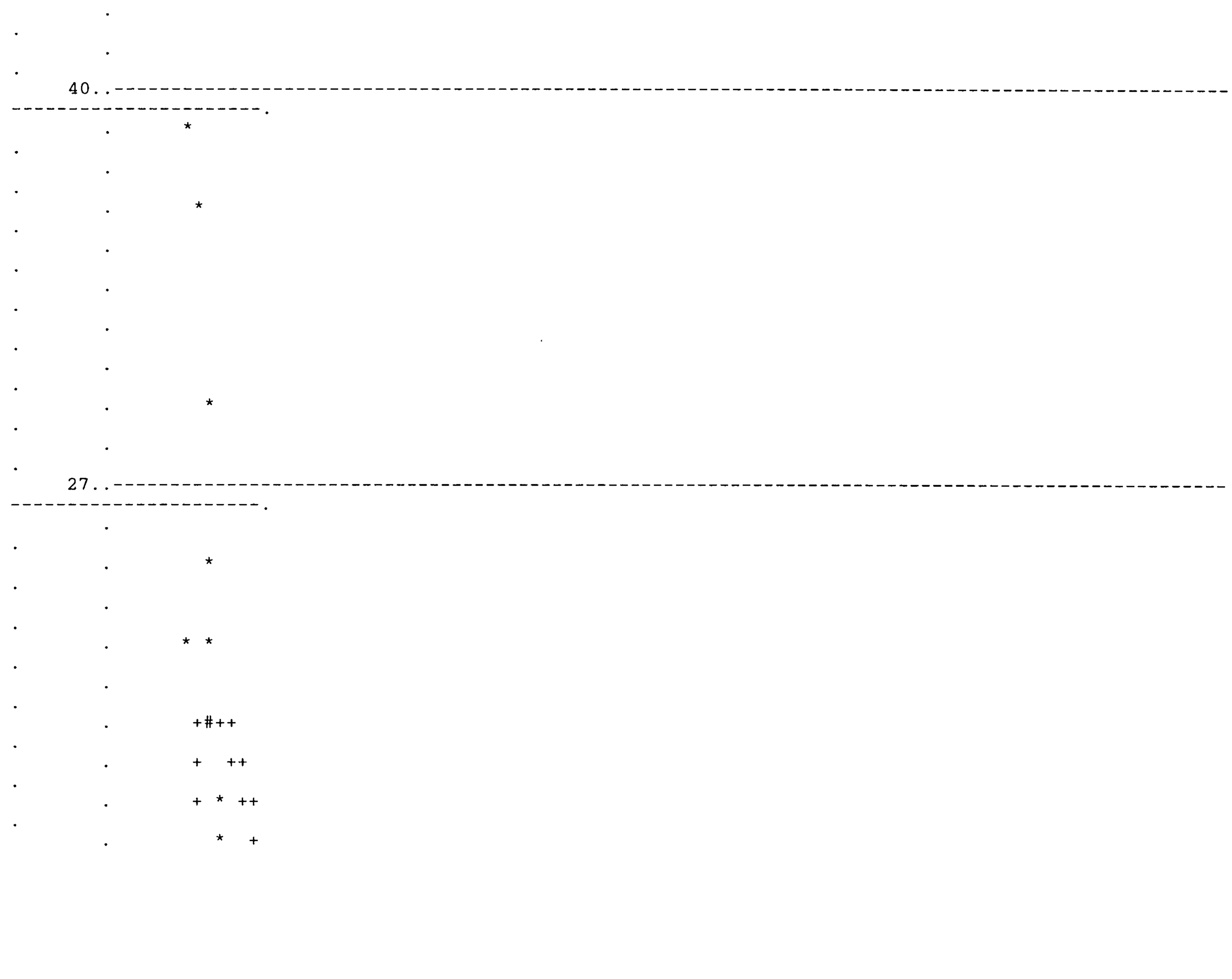
PRINT HYD ID=4 CODE=1

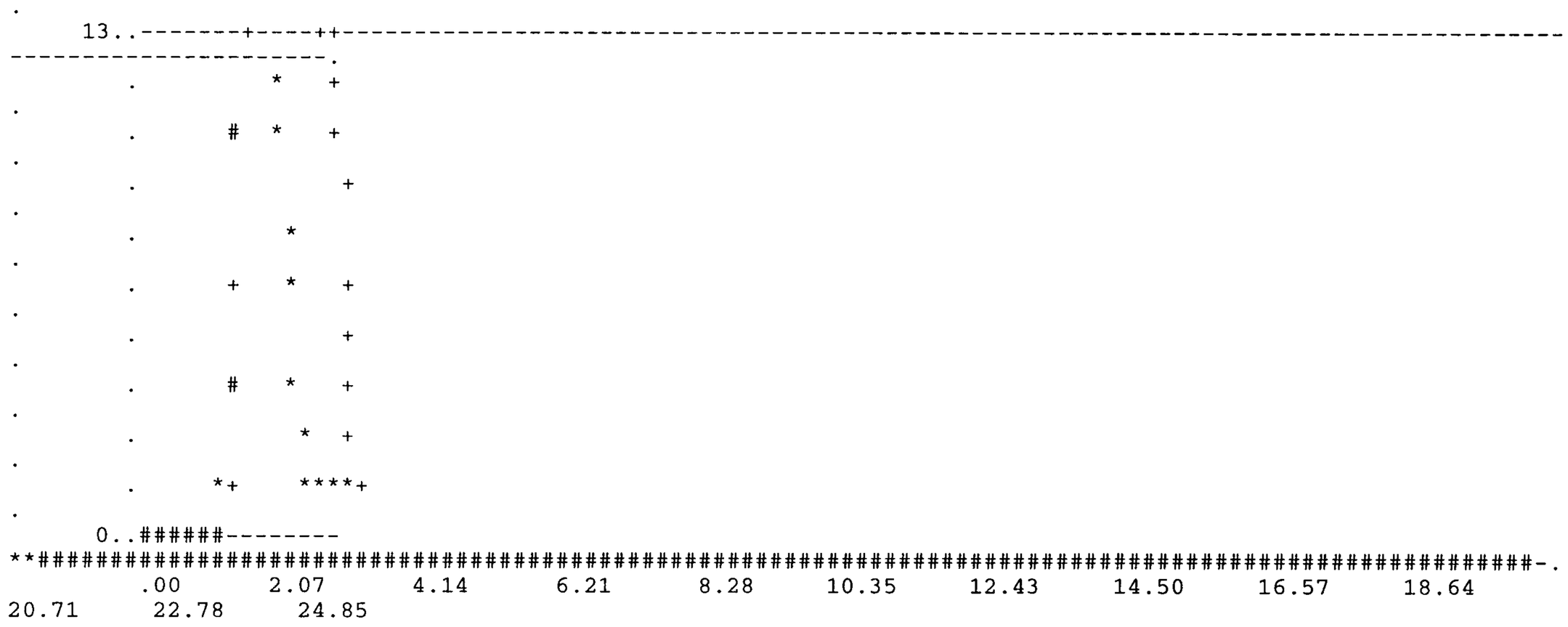
OUTFLOW HYDROGRAPH RESERVOIR 500.00

RUNOFF VOLUME = 1.65528 INCHES = 2.6208 ACRE-FEET
PEAK DISCHARGE RATE = 18.98 CFS AT 1.850 HOURS BASIN AREA = .0297 SQ. MI.

PLOT HYD ID=3 ID=4

FLOW RATE (CFS) PLOT SYMBOLS: ID 3= --*-- ID 4= --+-- BOTH= --#--


40
27



FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 13:49:35

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 2, 1999

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87124

RE: Conceptual Grading and Drainage Plan for West Side South Middle School (K9/D13), Engineer's Stamp Dated 2/17/99.

Dear Mr. Lewis:

Based on the information provided in the submittal of February 17, 1999, the above referenced plan is approved for Site Development Plan for Building Permit approval by the DRB.

This plan is also approved for Grading permit release. Prior to Building Permit release, however, a more detailed Grading and Drainage plan will be required.

This development is responsible for all street and storm drainage improvements in Bluewater and Los Volcanes adjacent to this site. It appears by the master plan that no storm drains are required adjacent to this site. Although the Infrastructure List provided for the Clifford West Business Park identifies street improvements, it is unclear by the limits listed whether the improvements adjacent to the school site have been bonded. This must be clarified at the time of DRB approval.

If you have any questions or if I may be of further assistance to you, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

Post-it® Fax Note 7671	Date 8-6-99	# of pages ▶ 1
To JEFF MORTEJ	From TIM	
Co./Dept.	Co. COA	
Phone #	Phone #	
Fax # 345-4254	Fax #	

c: Bob Becker, Albuquerque Public Schools
File

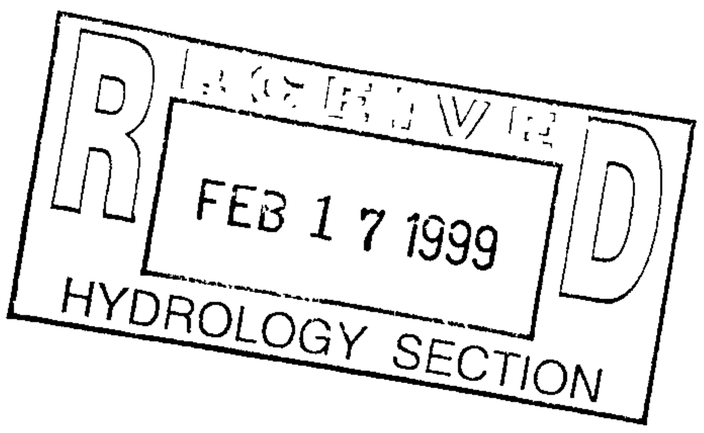
345-4254

Easterling & Associates, Inc.

2600 American Rd. S.E., Suite 100
Rio Rancho, New Mexico 87124
(505)898-8021 FAX (505) 898-8501
eai_engr@swcp.com

February 17, 1999

Ms. Susan Calongne, P.E.
Floodplain Administrator
City of Albuquerque Hydrology Division
P.O. Box 1293
Albuquerque, NM 87103



Re: Westside South Middle School (K9/D13):
1. Conceptual Grading & Drainage Plan for Site Development Plan Approval
2. Rough Grading Plan

Dear Ms. Calongne:

Thank you for your letter dated February 10, 1999. Based on our conversation on February 12, 1999, we are sending the following items:

- **Conceptual Grading & Drainage Plan (revised).** Per your request, the plan has been updated to indicate the offsite basin draining to the existing site. As previously noted, this basin will not drain to the developed site, but will discharge to Los Volcanes Road, as provided for in the previously approved Atrisco Business Park Master Drainage Plan (Easterling & Associates, 1993) and Drainage Report for Clifford West Business Park (Mark Goodwin & Associates, 1997). The previously submitted AHYMO drainage analysis (prepared 11/16/98) remains valid, and has not been resubmitted herein. We have also included street grades along Los Volcanes Road and Bluewater Road, per the City approved plans for COA Project 602181 (Jeff Mortensen & Associates, 1999). Proposed infrastructure improvements, per the approved Infrastructure List and Subdivision Improvement Agreement, are called out on the plan.

- **A copy of the approved Drainage Report for Clifford West Business Park.** This report provides a comprehensive overall analysis of drainage for the Clifford West Business Park subdivision, which includes the school site. The report defines allowable release rates (see excerpt from Atrisco Business Park Master Drainage Plan in back pocket of report), proposed drainage patterns, offsite drainage basins, and proposed public drainage improvements. The Conceptual Grading & Drainage Plan for the Middle School is consistent with the report. We have attached a complete copy of the report for ready reference and for your files.

- **Copies of the existing executed Subdivision Improvements Agreements (SIA), DRB approved Infrastructure List and Financial Guaranty (Municipal Lien) for the Public Infrastructure Improvements related to the site.** As noted earlier, the required infrastructure has been designed by Jeff Mortensen & Associates as COA Project 602181, based on the approved Infrastructure List for Clifford West Business Park. It is our understanding that these plans have been approved at DRC and are awaiting final sign-off by the DRC Chairman. Please note that the Infrastructure List does not call for any 'offsite' drainage improvements to be built with the school site development.

Based on the above information, and on the information previously submitted, we hereby request the following:

1. Approval of the Conceptual Grading & Drainage Plan for Site Development Plan approval, dated 11/19/98, revised 2/17/99.

2. Approval of the Site Rough Grading Plan, dated 1/20/99.

A detailed final Grading & Drainage Plan will be submitted later for Building Permit approval. The plan will conform to the Conceptual Grading & Drainage Plan required for Site Development Plan approval at DRB. If required, the "as-built" Grading & Drainage Improvements will be certified for compliance with the intent of the approved final Grading & Drainage construction plans.

Yours sincerely,

J. Martin Lewis, P.E.
Project Engineer

JML:jj
EAI Project No. 4950/003

Attachments

Easterling & Associates, Inc.

2600 American Rd. S.E., Suite 100
Rio Rancho, New Mexico 87124
(505)898-8021 FAX (505) 898-8501
eai_engr@swcp.com

December 30, 1998

VIA FACSIMILE & MAIL

Ms. Susan Calongne, P.E.
Floodplain Administrator
City of Albuquerque Hydrology Division
P. O. Box 1293
Albuquerque, NM 87103

Re: Conceptual Grading and Drainage Plan for West Side South Middle School (K9/D13), Engineer's Stamp dated 11/19/98

Dear Ms. Calongne:

Thank you for your letter dated 12/17/98. The purpose of this letter is to respond to the comments contained therein.

The infrastructure requirements associated with this site were established at the time of platting of the Clifford West Business Park (DRB Case No. S-98-54, plat filed 8/10/98). A copy of this plat was submitted to City Hydrology accompanying the Conceptual Grading and Drainage Plan for the school site. The public infrastructure for which the school site is responsible has been designed by Jeff Mortensen & Associates (JMA) as COA Project 602181, which has received DRC review. Final DRC approval and signoff are pending. The proposed street improvements in Los Volcanes Road and Bluewater Road are identified on the Conceptual Grading and Drainage Plan.

Comment No. 1: Existing undeveloped off-site flows appear to enter the existing site from the north. The Conceptual Grading and Drainage Plan states that under the *proposed* conditions for the site, these offsite flows will no longer enter the site, and will be intercepted by Los Volcanes Road. This is in conformance with the approved Atrisco Business Park Master Drainage Plan (MDP) (Easterling & Associates, 1983), and the approved Drainage Report for the Clifford West Business Park (Mark Goodwin & Associates, 1998), both on file at City Hydrology. The Atrisco Business Park MDP identifies the offsite basin draining to Los Volcanes, and depicts the runoff being conveyed in Los Volcanes to Unser Blvd., for collection in storm inlets at the intersection of Unser/Los Volcanes. In addition, Mark Goodwin's office informs us that the Clifford West report also provided analysis of this offsite basin. JMA's design for Los Volcanes Road recognizes this. Thus, the offsite flows have been previously calculated, and offsite improvements designed to intercept the flows. The flows will not impact the developed school site, and as such were not recalculated for the Conceptual Grading and Drainage Plan.

Comment No. 2: Please refer to the two reports discussed above, and to the plans prepared by JMA for COA Project 602181. The only storm drains/inlets required in the developed condition are shown on the Conceptual Grading and Drainage Plan.

Comment No. 3: Because this is only a *conceptual* plan for Site Development Plan approval, and will be followed later by a detailed Grading and Drainage Plan submittal for building permit approval, we have not included specific proposed street grades on the plan at this stage. We feel that the level of detail shown is appropriate for a conceptual plan, and is in keeping with the City's published checklist for conceptual grading and drainage plans (DPM Chapter 22). The concept indicated on the plan is that all entrances will be waterblocked. Proposed street improvements for Los Volcanes Road and Bluewater Road are identified on the plan. For the detailed design submittal, proposed street grades will be provided, with detailed grading information for street/site tie-ins.

Comment No. 4: Existing grades along the east and west boundaries are shown on the plan by means of existing contour lines. Retaining walls are not anticipated along the site boundaries.

We hope that the above addresses your comments. Based on the above, we would like to request approval of the Conceptual Grading and Drainage Plan dated 11/19/98 for site development plan approval.

Yours sincerely,

J. Martin Lewis, P.E.
Project Engineer

JML:jj
EAI Project No. 4950/003

DRAINAGE INFORMATION SHEET

PROJECT TITLE: WEST SIDE SOUTH MIDDLE SCHOOL ZONE ATLAS / DRNG. FILE #: K-9/D13

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

LEGAL DESCRIPTION: CLIFFORD WEST BUSINESS PARK, UNIT 2, TRACT A-1

CITY ADDRESS: NOT YET ESTABLISHED

ENGINEERING FIRM: EASTERLING & ASSOC. INC. CONTACT: J. MARTIN LEWIS

ADDRESS: 2600 AMERICAN RD. SE PHONE: 898 8021

RIO RANCHO, NM 87114

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: BOB BECKER

DEPT. OF FACILITIES PLANNING & CONSTRUCTION

ADDRESS: 915 OAK SE PHONE: 242 5865

ALB. NM

ARCHITECT: FBT ARCHITECTS CONTACT: TREST POLLINA

ADDRESS: 6100 INDIAN SCHOOL NE PHONE: 883 5200

ALB. NM 87110

SURVEYOR: JEFF MORTENSEN & ASSOC CONTACT: CHUCK CACA

ADDRESS: 6010-B MIDWAY PK. BLVD. NE PHONE: 345 4250

ALB. NM 87109

CONTRACTOR: NOT YET SELECTED CONTACT: —

ADDRESS: — PHONE: —

—

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT
_____ DRAINAGE PLAN
X CONCEPTUAL GRADING & DRAINAGE PLAN (RESUBMITTAL)
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERTIFICATION
_____ OTHER _____

PRE-DESIGN MEETING:

X YES INFORMAL MEETING W/ BERNIE MONTOYA, 11/13/98
_____ NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

_____ SKETCH PLAT APPROVAL
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D. APPROVAL
X S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY APPROVAL
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ S.A.D. DRAINAGE REPORT
_____ DRAINAGE REQUIREMENTS
_____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 2/17/99

BY: J. MARTIN LEWIS

RECEIVED
FEB 17 1999

17-8

Rev 1/90

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 10, 1999

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87114

RE: Grading and Drainage Plans for West Side South Middle School (K9/D13), Engineer's Stamp Dated 11/19/98 and 1/20/99.

Dear Mr. Lewis:

Your submittals of January 6, 1999 and January 20, 1999 are unclear. Per my letter of December 17, 1998, the Grading and Drainage plan must have Site Development Plan for Building Permit Approval by the DRB. At that time, all public improvements must be identified on the Infrastructure List. After DRB approves the grading plan, the Rough Grading permit may be released. However, prior to approval of the above referenced plans, and prior to DRB approval, the following comments must be addressed:

1. The plans for this school site must be able to stand alone. Although the public infrastructures were identified and designed by others, the pertinent information from the other plan which relates to this site must be included with this plan. This includes off-site basins, proposed street grades and any storm drain improvements. Please provide the information for this file. The school is responsible for the financial guarantees for all public improvements adjacent to this site.

2. The conceptual grading plan required for Site Development Plan for Building Permit must include existing and proposed grades to show how the site grading ties into existing adjacent properties and roadways. It is the grading plan that is approved by the DRB which must be certified after construction is complete.

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Bob Becker, Albuquerque Public Schools
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: WEST SIDE SOUTH MIDDLE SCHOOL ZONE ATLAS / DRNG. FILE #: K-9 / D13

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

LEGAL DESCRIPTION: CLIFFORD WEST BUSINESS PARK, UNIT 2, TRACT A-1

CITY ADDRESS: NOT YET ESTABLISHED

ENGINEERING FIRM: EASTERLING & ASSOC. INC. CONTACT: J. MARTIN LEWIS

ADDRESS: 2600 AMERICAN RD. SE PHONE: 898 8021

RIO RANCHO, NM 87114

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: BOB BECKER

DEPT. OF FACILITIES PLANNING & CONSTRUCTION

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SURVEYOR: JEFF MORTENSEN & ASSOC CONTACT: CHUCK CALA

ADDRESS: 6010-B MIDWAY PK. BLVD. NE PHONE: 345 4250

ALB. NM 87109

CONTRACTOR: NOT YET SELECTED CONTACT: —

ADDRESS: — PHONE: —

—

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
__ DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
X OTHER LETTER RESPONSE TO HYDROLOGY COMMENTS OF 12/17/98

PRE-DESIGN MEETING:

X YES INFORMAL MEETING W/ BERNIE MONTOYA, 11/13/98
___ NO
___ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
X S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
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___ FOUNDATION PERMIT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER (SPECIFY)

needs fin. grading prior to fill

RECEIVED
JAN - 6 1999
HYDROLOGY SECTION

DATE SUBMITTED: 1/6/99

BY: J. MARTIN LEWIS

17-8

Rev 1/90

Easterling & Associates, Inc.

2600 American Rd. S.E., Suite 100
Rio Rancho, New Mexico 87124
(505)898-8021 FAX (505) 898-8501
eai_engr@swcp.com

December 30, 1998

VIA FACSIMILE & MAIL

Ms. Susan Calongne, P.E.
Floodplain Administrator
City of Albuquerque Hydrology Division
P. O. Box 1293
Albuquerque, NM 87103

RECEIVED
JAN - 6 1999
HYDROLOGY SECTION

Re: Conceptual Grading and Drainage Plan for West Side South Middle School (K9/D13), Engineer's Stamp dated 11/19/98

Dear Ms. Calongne:

Thank you for your letter dated 12/17/98. The purpose of this letter is to respond to the comments contained therein.

The infrastructure requirements associated with this site were established at the time of platting of the Clifford West Business Park (DRB Case No. S-98-54, plat filed 8/10/98). A copy of this plat was submitted to City Hydrology accompanying the Conceptual Grading and Drainage Plan for the school site. The public infrastructure for which the school site is responsible has been designed by Jeff Mortensen & Associates (JMA) as COA Project 602181, which has received DRC review. Final DRC approval and signoff are pending. The proposed street improvements in Los Volcanes Road and Bluewater Road are identified on the Conceptual Grading and Drainage Plan.

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We hope that the above addresses your comments. Based on the above, we would like to request approval of the Conceptual Grading and Drainage Plan dated 11/19/98 for site development plan approval.

Yours sincerely,

J. Martin Lewis, P.E.
Project Engineer

JML:jj
EAI Project No. 4950/003

EASTERLING & ASSOCIATES, INC.
2600 The American Rd. SE Suite 100
RIO RANCHO, NEW MEXICO 87124

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

TO City of Albuquerque
Hydrology Division

DATE 1/20/99	JOB NO 4950
ATTENTION Susan Calongne	
RE: Westside Mid School Grading & Drainage Plan	

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via Courier the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☑ As noted

COPIES	DATE	NO.	DESCRIPTION
1	1/20/99		Drainage Information Sheet
1	1/20/99		Rough Grading Plan (2 Sheets)

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED
JAN 20 1999
HYDROLOGY SECTION

RECEIVED BY _____

COPY TO _____

SIGNED: _____

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

EASTERLING & ASSOCIATES, INC.
2600 The American Rd. SE Suite 100
RIO RANCHO, NEW MEXICO 87124

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

TO City of Albuquerque
Hydrology Division

DATE 1/25/99	JOB NO 4950.1
ATTENTION	Fred Aguirre
RE	Westside South Middle School
	Rough Grading Plan

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via Courier the following items:

☐ Shop drawings ☑ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	1/20/99		Copy of Rough Grading Plan, with City Hydrology approval signature, dated 2/24/99 (Sheets 1 of 2 and 2 of 2).

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☑ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED BY _____

COPY TO _____

SIGNED: _____

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

EASTERLING & ASSOCIATES, INC.
2600 The American Rd. SE Suite 100
RIO RANCHO, NEW MEXICO 87124

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

TO CITY OF ALBUQUERQUE
HYDROLOGY DIV.

DATE	JOB NO.
1/6/98	4950

ATTENTION ANDREW / ROGER

RE: WEST SIDE SOUTH MIDDLE SCHOOL
CONCEPTUAL G&D PLAN
(K9/D13)

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via Courier the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☑ As noted

COPIES	DATE	NO.	DESCRIPTION
1	12/30/98		Copy of letter responding to City Hydrology comments of 12/17/98
1	1/6/99		Drainage information sheet

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

This letter constitutes the resubmittal in response to Hydrology comments of 12/17/98 (no plan included in resubmittal). Please log in for review + approval.

Please call if questions, or talk to Susan Calongne.

Thank you.

RECEIVED
JAN - 6 1999
HYDROLOGY SECTION

RECEIVED BY

COPY TO

SIGNED:

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

EASTERLING & ASSOCIATES, INC.
2600 The American Rd. SE Suite 100
RIO RANCHO, NEW MEXICO 87124

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

TO CITY OF ALBUQUERQUE
HYDROLOGY DIV.

DATE 11/19/98	JOB NO. 4950
ATTENTION	PLAN REVIEW
RE:	WEST SIDE MIDDLE SCHOOL CONCEPTUAL GRADING & DRAINAGE PLAN

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via COURIER the following items:

☐ Shop drawings ☑ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	11/19/98		Conceptual Grading & Drainage Plan
1	11/19/98		Drainage Information Sheet
1	11/19/98		AHYMO Output File

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED
NOV 19 1998
HYDROLOGY SECTION

RECEIVED BY _____

COPY TO FBT ARCHITECTS (TRANSMITTAL ONLY)

SIGNED: _____

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

DRAINAGE INFORMATION SHEET

PROJECT TITLE: WEST SIDE SOUTH MIDDLE SCHOOL ZONE ATLAS / DRNG. FILE #: K-9 / D 013

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

LEGAL DESCRIPTION: CLIFFORD WEST BUSINESS PARK, UNIT 2, TRACT A-1

CITY ADDRESS: NOT YET ESTABLISHED

ENGINEERING FIRM: EASTERLING & ASSOC. INC. CONTACT: J. MARTIN LEWIS

ADDRESS: 2600 AMERICAN RD. SE PHONE: 898 8021

RIO RANCHO, NM 87114

OWNER: ALBUQUERQUE PUBLIC SCHOOLS CONTACT: BOB BECKER

DEPT. OF FACILITIES PLANNING & CONSTRUCTION

ADDRESS: 915 OAK SE PHONE: 242 5865

ALB. NM

ARCHITECT: FBT ARCHITECTS CONTACT: TREST POLLINA

ADDRESS: 6100 INDIAN SCHOOL NE PHONE: 883 5200

ALB. NM 87110

SURVEYOR: JEFF MORTENSEN & ASSOC CONTACT: CHUCK GALA

ADDRESS: 6010-B MIDWAY PK. BLVD. NE PHONE: 345 4250

ALB. NM 87109

CONTRACTOR: NOT YET SELECTED CONTACT: —

ADDRESS: — PHONE: —

—

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT
_____ DRAINAGE PLAN
X CONCEPTUAL GRADING & DRAINAGE PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERTIFICATION
_____ OTHER _____

PRE-DESIGN MEETING:

X YES INFORMAL MEETING W/ BERNIE MONTOYA, 11/13/98
_____ NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

_____ SKETCH PLAT APPROVAL
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D. APPROVAL
X S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY APPROVAL
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ S.A.D. DRAINAGE REPORT
_____ DRAINAGE REQUIREMENTS
_____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 11/19/98

BY: J. MARTIN LEWIS

Rev 1/90

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 17, 1998

J. Martin Lewis, P.E.
Easterling & Associates, Inc.
2600 American Rd. SE
Rio Rancho, New Mexico 87114

RE: Conceptual Grading and Drainage Plan for West Side South Middle School (K9/D13), Engineer's Stamp Dated 11/19/98.

Dear Mr. Lewis:

At the time of Site Development Plan for Building Permit Approval by the DRB, all public improvements must be designed and included on the Infrastructure List. Therefore, before the above referenced plan is approved, the following comments must be addressed:

1. The plan states that existing off-site flows enter the site from the north. Please include the existing off-site basin map and determine the flow rate for this basin.

2. This development is responsible for all street improvements in Bluewater and Los Volcanes adjacent to the site. Please identify all fully developed off-site basins which will drain to these streets. Are storm drains, or inlets, required in these streets in the ultimate condition?

3. The plan must include existing and proposed street grades to show how the site grading ties into the roadways. Also show all proposed street improvements, i.e., curb and gutter, sidewalks and etc.

4. Provide existing ground elevations along the east and west sides of the site. Are retaining walls required? If so, please show where they will be located.

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Bob Becker, Albuquerque Public Schools
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: West Side South Middle School ZONE ATLAS/DRNG. FILE #: K-9/D-13

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

LEGAL DESCRIPTION: Clifford West Business Park, Unit 2, Tract A-1

CITY ADDRESS: Not Yet Established

ENGINEERING FIRM: Easterling & Associates, Inc. CONTACT: J. Martin Lewis

ADDRESS: 2600 American Rd. SE PHONE: 898-8021

Rio Rancho, NM 87114

OWNER: Albuquerque Public Schools, CONTACT: Bob Becker

Dept. of Facilities Planning and Construction PHONE: 242-5865

ADDRESS: 415 Oak SE

Albuquerque, NM

ARCHITECT: FBT Architects CONTACT: Trest Pollina

ADDRESS: 6100 Indian School NE PHONE: 883-5200

Albuquerque, NM 87110

SURVEYOR: Jeff Mortensen & Associates CONTACT: Chuck Cala

ADDRESS: 6010-B Midway Park Blvd. NE PHONE: 345-4250

Albuquerque, NM 87109

CONTRACTOR: Not Yet Selected CONTACT: _____

ADDRESS: _____ PHONE: _____

_____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
___ DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
X OTHER Rough Grading Plan

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
X OTHER Rough Grading Permit Approval

RECEIVED
JAN 20 1999
HYDROLOGY SECTION

DATE SUBMITTED: Januar 20, 1998

BY: J. Martin Lewis

```
          AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
               RUN DATE (MON/DAY/YR) = 11/16/1998
               START TIME (HR:MIN:SEC) = 15:49:51     USER NO.= EASTERNM.I01
               INPUT FILE = wms24.hmi


     ** WEST SIDE SOUTH MIDDLE SCHOOL
     ** CONCEPTUAL GRADING & DRAINAGE PLAN
     ** 11-16-98
     ** 100 YEAR 24 HOUR STORM
     ** INPUT FILE WMS24.HMI
     ************************************************************
     START                 0.0 HOURS

     RAINFALL              TYPE=-2  0.0  1.87  2.20  2.66  DT=0.05

                      COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT
1.40 HR.
                      DT =     .050000 HOURS       END TIME =    24.000000 HOURS
     ************************************************************

     ** Compute hydrograph for entire site, fully developed (19 ac)

     COMPUTE NM HYD        ID=1  HYDROGRAPH NO=101.0  DA=0.029688
                           %A=0.0  %B=13.0  %C=38.0  %D=49.0  TP=0.13
                           MASS RAINFALL=-1


          K =    .070850HR     TP =    .130000HR     K/TP RATIO =    .545000     SHAPE CONSTANT,
 N =  7.106420
          UNIT PEAK =    58.891     CFS    UNIT VOLUME =     .9992       B =    526.28       P60
= 1.8700
          AREA =       .014547 SQ MI     IA =     .10000 INCHES     INF =     .04000 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .05000
0


          K =    .109492HR     TP =    .130000HR     K/TP RATIO =    .842245     SHAPE CONSTANT,
 N =  4.229961
```

```
          UNIT PEAK =    43.119     CFS   UNIT VOLUME =     1.002        B =    370.22       P60
= 1.8700
          AREA =       .015141 SQ MI     IA =     .38824 INCHES     INF =     .93706 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .05000
0

     PRINT HYD            ID=1  CODE=1

                                        PARTIAL HYDROGRAPH   101.00


          RUNOFF VOLUME =      1.64690 INCHES      =        2.6076 ACRE-FEET
          PEAK DISCHARGE RATE =       66.23 CFS  AT    1.500 HOURS   BASIN AREA =    .0297 SQ.
 MI.



     ** Site release rate of 1.03 cfs/ac over 19 acres in 100 year storm
     ** (per Atrisco Business Park Master Drainage Plan, revised October 1993)
     ** Route through pond with 19.57 cfs allowable 100 year maximum release rate
     ** Pond Outlet controlled by 20" orifice, with C=0.6
     ** Pond dimensions per conceptual G&D Plan, November 1998
     ** Pond depth 4'below inner edge of bus loop paving, plus 0.5' in paved bus loop

ROUTE RESERVOIR      ID=2  HYDROGRAPH NO=500  INFLOW ID=1  CODE=10
                     OUTFLOW(cfs)     STORAGE(ac ft)     ELEV(ft)
                          0.0              0.0000            00.0
                          4.3              0.2099            01.0
                         11.4              0.4553            02.0
                         15.5              0.7376            03.0
                         18.7              1.0580            04.0
                         19.0              1.0950            04.1
                         20.1              1.3419            04.5


  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

    TIME        INFLOW     ELEV       VOLUME     OUTFLOW
    (HRS)       (CFS)      (FEET)     (AC-FT)    (CFS)
```

.00	.00	.00	.000	.00
.50	.00	.00	.000	.00
1.00	.00	.00	.000	.00
1.50	66.23	2.48	.591	13.37
2.00	12.41	4.05	1.075	18.84
2.50	1.72	2.51	.600	13.50
3.00	.57	1.16	.250	5.47
3.50	.31	.56	.118	2.41
4.00	.25	.28	.058	1.19
4.50	.24	.15	.031	.64
5.00	.25	.10	.020	.42
5.50	.27	.08	.016	.33
6.00	.31	.07	.015	.31
6.50	.36	.08	.016	.33
7.00	.35	.08	.017	.34
7.50	.34	.08	.017	.34
8.00	.33	.08	.016	.34
8.50	.32	.08	.016	.33
9.00	.31	.07	.016	.32
9.50	.30	.07	.015	.31
10.00	.29	.07	.015	.30
10.50	.28	.07	.014	.29
11.00	.27	.07	.014	.28
11.50	.27	.06	.014	.28
12.00	.26	.06	.013	.27
12.50	.26	.06	.013	.26
13.00	.25	.06	.013	.26
13.50	.24	.06	.012	.25
14.00	.24	.06	.012	.25
14.50	.24	.06	.012	.24
15.00	.23	.05	.011	.23
15.50	.22	.05	.011	.23
16.00	.22	.05	.011	.23
16.50	.22	.05	.011	.22
17.00	.21	.05	.011	.22
17.50	.21	.05	.010	.21
18.00	.20	.05	.010	.21
18.50	.20	.05	.010	.20
19.00	.20	.05	.010	.20
19.50	.19	.05	.010	.20

20.00	.19	.05	.009	.19
20.50	.19	.04	.009	.19
21.00	.18	.04	.009	.19
21.50	.18	.04	.009	.18
22.00	.18	.04	.009	.18
22.50	.18	.04	.009	.18
23.00	.17	.04	.009	.18
23.50	.17	.04	.008	.17
24.00	.17	.04	.008	.17
24.50	.01	.02	.005	.10
25.00	.00	.01	.002	.04
25.50	.00	.00	.001	.02
26.00	.00	.00	.000	.01
26.50	.00	.00	.000	.00

PEAK DISCHARGE = 19.129 CFS - PEAK OCCURS AT HOUR 1.85
MAXIMUM WATER SURFACE ELEVATION = 4.147
MAXIMUM STORAGE = 1.1240 AC-FT INCREMENTAL TIME= .050000HRS

PRINT HYD ID=2 CODE=1

OUTFLOW HYDROGRAPH RESERVOIR 500.00

RUNOFF VOLUME = 1.64689 INCHES = 2.6076 ACRE-FEET
PEAK DISCHARGE RATE = 19.13 CFS AT 1.850 HOURS BASIN AREA = .0297 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 15:49:52

EASTERLING & ASSOCIATES, INC.
2600 The American Rd. SE Suite 100
RIO RANCHO, NEW MEXICO 87124

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

TO CITY OF ALBUQUERQUE
HYDROLOGY DIVISION

DATE 11/23/98	JOB NO 4950
ATTENTION FRED AGUIRRE	
RE:	
WEST SIDE SOUTH	
MIDDLE SCHOOL —	
CONCEPTUAL GRADING	
& DRAINAGE PLAN (K-9)	

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via COURIER the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☑ AS NOTED

COPIES	DATE	NO.	DESCRIPTION
1	8/10/98		Copy of Plat for Tracts A-1, Unit 2 and Tract A-2, Unit 3, Clifford West Business Park.

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☑ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

RECEIVED
NOV 23 1998
HYDROLOGY SECTION

REMARKS

Fred—
Per our phone conversation last Friday, 11/20/98, we are transmitting a copy of the Clifford West Business Park Plat, to be included in the submittal packet for the West Side South Middle School Conceptual Grading & Drainage Plan (submitted 11/19/98).

Martin Lewis.

RECEIVED BY

COPY TO

SIGNED:

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

951846

FIGURE 12

SUBDIVISION IMPROVEMENTS
AGREEMENT-PUBLIC AND/OR PRIVATE
(Procedure B Modified Non-Work Order) #580082

AGREEMENT TO CONSTRUCT PUBLIC AND/OR PRIVATE SUBDIVISION IMPROVEMENTS

THIS AGREEMENT is made this 18 day of July, 1998, by and between the City of Albuquerque, New Mexico ("City"), a municipal corporation, whose address is P. O. Box 1293 (One Civic Plaza), Albuquerque, New Mexico 87103, and The Board of Education of the City of Albuquerque ("Subdivider"), a [state the type of business entity, for instance, "New Mexico corporation," "general partnership," "joint venture," "individual," etc.:] A Political Subdivision *, whose address is P. O. Box 25704, Albuquerque, New Mexico 87125 and whose telephone number is 765-5950**, is made in Albuquerque, New Mexico, and is entered into as of the date of final execution of this Agreement.

1. Recital. The Subdivider is developing certain lands within the City of Albuquerque, Bernalillo County, New Mexico, known as [describe:] a portion of Tract A, Clifford West Business Park, Unit 1, recorded on December 10, 1997 in the records of the Bernalillo County Clerk at Book 97C, pages 346 through xxxx (the "Subdivision"). The Subdivider certifies that the Subdivision is owned by [state the name of the present real property owner exactly as shown on the real estate document conveying title in the Subdivision to the present owner:] Bell Group, Inc. ("Owner").

The Subdivider has submitted and the City has approved a preliminary plat or Site Development Plan identified as Tract A-1, Clifford West Business Park, Unit 2 describing Subdivider's Property.

As a result of the development of the Subdivision, the Subdivision Ordinance ("S.O.") and/or the Zoning Code, Section 40K, require the Subdivider, at no cost to the City, to install certain public and/or private Improvements, which are reasonably related to the development of the Subdivision, or to financially guarantee the construction of the public and/or private Improvements as a prerequisite to approval of the final plat of, or the Site Development Plan for the Subdivision.

2. Improvements and Construction Deadline. The Subdivider agrees to install and complete the public and/or private improvements described in Exhibit A, the required infrastructure listing ("Improvements"), to the satisfaction of the City, on or before the 2nd day of June, ~~xx~~2000 ("Construction Completion Deadline"), at no cost to the City.

Note: To compute the Construction Completion Deadline: the Construction Completion Deadline can be no later than two years after execution of this Agreement. (See Subdivision Ordinance Section 7-16-6.C.) If this Agreement, with any amendments does not utilize the maximum time allowed for completion of construction, the Subdivider may obtain an extension of the Construction Completion Deadline if Subdivider shows adequate reason for the extension.

*of the State of New Mexico
** Ext. 265 (Charles O. Atwood)

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Judy D. Woodward Bern. Co. AGRE R 29.00 Bk-9813 Pg-741

Public Infrastructure associated with School Site to be built by APS as COA Project 602181.
Infrastructure List attached

3. Financial Guaranty. The Subdivider must provide the City with a financial guaranty in an amount of not less than 125% of the estimated cost of constructing the Improvements, as approved by the City Engineer. The financial guaranty must be irrevocable and may be in the form of a letter of credit, escrow deposit or loan reserve letter issued by a FDIC or FSLIC-insured Financial Institution; a bond issued by a surety qualified to do business in New Mexico; or other pledge of liquid assets which meets all City requirements. The City must be able to call the financial guaranty at any time within the sixty (60) days immediately following the Construction Completion Deadline.

To meet the Subdivision Ordinance requirements, the Subdivider has acquired or is able to acquire the following "Financial Guaranty:"

Type of Financial Guaranty: Municipal Lien
Amount: $ 380,147.65 Name of Financial Institution or Surety providing Guaranty: N/A
Date City first able to call Guaranty: N/A
[Construction Completion Deadline]: June 02, 2000, ~~20~~
If Guarantee other than a Bond, last day City able to call Guaranty is: _____, 19____
Additional information: The Municipal Lien referenced above pertains to the Unit II Infrastructure List items clearly footnoted as "items to be deferred in Unit II".

4. Completion, Acceptance and Termination. Upon completion of the required infrastructure, the Subdivider shall notify the City's Transportation Development Section. After the Transportation Development Section approves the construction, the City will promptly release this Agreement and the Financial Guaranty.

5. Indemnification. Until the Improvements are accepted by the City, the Developer shall be solely responsible for maintaining the premises upon which the Improvements are being constructed in a safe condition. The Developer agrees to defend, indemnify and hold harmless the City and its officers, agents and employees from any claims, actions, suits or other proceedings arising from or out of the negligent acts or omissions of the Developer, its agents, representatives, contractors or subcontractors or arising from the failure of the Developer, its agents, representatives, contractors or subcontractors to perform any act or duty required of the Developer herein; provided, however, 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 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 directions 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. The indemnification required hereunder shall not be limited as a result of the specifications of any applicable insurance coverage. Nothing herein is intended to impair any right or immunity under the laws of the State of New Mexico.

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Bk-9813 Pg-741
Judy D. Woodward Bern. Co. AGRE R 29.00

5. Binding Effect: Appropriations. The obligations of the parties to perform their respective duties to the extent they have such obligations under this Agreement are subject to and conditional upon the appropriations by the governing bodies of each of the parties of funds necessary to permit each party to perform its duties.

6. Hold Harmless. As between the parties hereto to the extent that either party has an obligation to construct improvements under this Agreement, each party shall be responsible for liability arising from personal injury, loss or damage to person or property occasioned by its own agents or employees in the performance of this Agreement, subject in all cases to the immunities and limitations of the New Mexico Tort Claims Act (NMSA 1978, Sections 41-4-1 et. seq.) and Section 56-7-1 and any amendments thereto. This paragraph is intended only to define the liabilities between the City and the Subdivider and it is not intended to modify in any way the parties' liabilities as governed by law.

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Judy D. Woodward Bern. Co AGRE R 29.00 Bk-9813 Pg-741

7. Assignment. This Agreement shall not be assigned without the prior written consent of the City and the Subdivider and the express written concurrence of any financial institution or surety which has undertaken to guarantee the completion of the Improvements. The City's approval will not be withheld unreasonably. If so assigned, this Agreement shall extend to and be binding upon the successors and assigns of the parties hereto.

8. Release. If the Subdivision or any part thereof is sold, conveyed or assigned, the City will not release the Subdivider from its obligations under this Agreement and will continue to hold the Subdivider responsible for all Improvements until a successor in interest to the Subdivider has posted a suitable financial guaranty and entered into a Subdivision Improvements Agreement with the City. Thereafter, when the Subdivider's successor in interest has provided a substitute financial guaranty acceptable to the City, the City will release this Agreement and any related Financial Guaranty.

9. Payment for Incomplete Improvements. If the Subdivider fails to satisfactorily complete construction of the Improvements by the Construction Completion Deadline, the City may construct or cause the Improvements to be constructed as shown on the final plat and in the approved plans and specifications. The Subdivider shall be jointly and severally liable to pay to, and indemnify the City for the total cost, including, but not limited to engineering, legal and contingent costs, together with any damages, either direct or consequential, which the City may sustain as a result of Subdivider's failure to perform as required by this Agreement. If the direct or indirect costs and damages to the City exceed the amount of the Financial Guaranty, the Subdivider shall be liable to, and shall pay, the City for all such costs and damages. The surety or sureties shall be jointly and severally liable to pay to and indemnify the City for the total cost to the extent of their obligations pursuant to the Financial Guaranty.

10. Binding on Subdivider's Property. The provisions of this Agreement constitute covenants running with Subdivider's Property for the benefit of the City and its successors and assigns until terminated, and are binding on the Subdivider and the Owner and their heirs, successors and assigns.

11. Notice. For purposes of giving formal written notice, including notice of change of address, the Subdivider's and the City's addresses are as stated in the first paragraph of this Agreement. Notice may be given either in person or by certified U.S. mail, postage paid. Notice will be considered to have been received within six days after the notice is mailed if there is no actual evidence of receipt.

12. 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.

13. Changes to Agreement. Changes to this Agreement are not binding unless made in writing, signed by both parties.

14. 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.

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Page: 4 of 12
07/24/1998 09:56A
Judy D. Woodward Bern. Co AGRE R 29.00 Bk-9813 Pg-741

15. ~~14~~. Captions. The captions to the sections or paragraphs of this Agreement are not part of this Agreement and will not affect the meaning or construction of any of its provisions.

16. ~~15~~. Form not Changed. Subdivider agrees that changes to this form are not binding unless initialed by the Subdivider and signed by the City's Legal Department on this form.

17. ~~16~~. Authority to Execute. If the Subdivider signing below is not the Owner of the Subdivision, the Owner must execute the Power of Attorney below.

Executed on the date stated in the first paragraph of this Agreement.

THE BOARD OF EDUCATION OF THE CITY
SUBDIVIDER: OF ALBUQUERQUE

By [Signature]: _____
Name: George J. Bello
Title: Deputy Superintendent
Dated: 6/18/98

CITY OF ALBUQUERQUE

_____
Director, Public Works Department
Dated: 7/16/98

Approved by:

_____ 7/15/98
City Engineer
7/7/98

SUBDIVIDER'S NOTARY

STATE OF New Mexico)
) ss.
COUNTY OF Bernalillo)

This instrument was acknowledged before me on 18th day of June, 1998 by [name(s) of person(s):] George J. Bello, [title or capacity, for instance, "President" or "Owner":] Deputy Superintendent of [Subdivider:] The Board of Education of the City of Albuquerque.

_____
Notary Public

My Commission Expires:
July 30, 1999

CITY'S NOTARY

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on 18th day of July, 1998 by Larry A Blair, Director, Public Works Department of the City of Albuquerque, a municipal corporation, on behalf of said corporation.

_____
Notary Public

My Commission Expires:
1-22-2002

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Judy D. Woodward Bern Co. AGRE R 29.00

DRB Case No 97-138
DRC Project No
Date Submitted ~~9.29.97~~ 9/9/97
Prelim Plat Approved
Prelim Plat Expires ~~9/25/98~~
1 REVISED 4.14.98
2 REVISED 6/2/98

Figure 12
EXHIBIT "A"
To Subdivision Improvements Agreement
DEVELOPMENT REVIEW BOARD (DRB) REQUIRED INFRASTRUCTURE LISTING
for Clifford West Business Park
Unit 1 & 2 [redacted] Plan [redacted] CAT 9MM

Following is a summary of Public/Private infrastructure required to be constructed or financially guaranteed to be constructed for the above development. This summary is not necessarily a complete listing. During the design process, if the City determines that appurtenant items have not been included in the summary, those items will be included in the listing and related financial guarantee, if the items normally are the Subdivider responsibility. In addition, any unforseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility are the responsibility of the Subdivider and will be included in the financial guarantee provided to the City.

Size	Type Improvement	Location	From	To
	UNIT 1			
	TRANSPORTATION 9MM ½ Traffic Signal #38K Bluewater & Unser #			
40'FF	Pvmt.	Saul Bell Rd.	Unser Blvd.	Oliver Ross Rd.
~~6'~~	~~Sdwk (both sides)~~ 9MM			
	C & G (both sides)			3 DUH 4-14 1
40'FF	Pvmt.	Oliver Ross Rd.	Bluewater Rd.	Unit 1 / X boundary
~~8'~~	~~Sdwk (both sides)~~ 9MM			
	C & G (Both sides)			2 DUH 4-14 1
25'	Pvmt.	Bluewater Rd	Exist Pvmt.	W to Unit 1 / X boundary
~~6'~~	~~Sdwk (north side)~~			
6' 9MM	C & G (n.side) Sdwk north side	Bluewater	Exist. Pvmt	W to Unit 1 / X Bndy 2 DUH 4-14 1
	WATER			
10"(2WR)	Waterline	Saul Bell Rd.	Unser Blvd	Oliver Ross Rd.
10"(2WR)	Waterline	Oliver Ross Rd.	Bluewater Rd.	Saul Bell Rd. 2 DUH 4-14 1
10"(2WR)	Waterline	Bluewater Rd	Exist 10" WL	West to Unit X P.L
	SANITARY SEWER			
8"	Sanitary Sewer	Saul Bell Rd	Lot D-12 3 DUH 4-14 1	Oliver Ross Rd.
8'	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / X boundary	Bluewater Rd 2 DUH 4-14 1
10"	Sanitary Sewer	Bluewater Rd.	Exist 10"SAS	W to 1 / X boundary

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Judy D. Woodward Bern Co. AGRE R 29.00 Bk-9813 Pg-741

DRB Case No 97-138
DRC Project No
Date Submitted ~~9/9/97~~ 9/9/9
Prelim Plat Approved 9/9/97
Prelim. Plat Expires 9/25/98
REVISED 4/14/98

Size	Type Improvement	Location	From	To
	STORM DRAIN			
~~18"-36"~~ SD	Storm Drain & Appurtenances	Bluewater Rd.	Unser Blvd.	Oliver Ross Rd.
18"SD	Storm Drain & Appurtenances	Oliver Ross Rd	Bluewater Rd	Unit 1 / 2 boundary
18"SD	Storm Drain & Appurtenances	Saul Bell Rd.	Oliver Ross Rd	~~Lot D-12~~

UNIT II

	TRANSPORTATION (cont. sht 3)			
40' FF	Pvmt.	Oliver Ross Rd.	Lot B-4	Los Volcanes Rd.
~~0~~	~~Sewk(both sides)~~ C & G both sides 9MM			
25'	Pvmt.	Los Volcanes Rd.	Unser Blvd.	West to Unit 3 P.L
~~6'~~	~~Sdwk(south side)~~ C&G both side 9MM			
25'	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd	Lot 3, Blk. 1
25'	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 2
	WATER (cont. sht 3)			
10"(2W)	Waterline	Oliver Ross Rd.	Saul Bell Rd.	Los Volcanes Rd
12"(2W)	Waterline	Los Volcanes	Unser Blvd.	West to Unit 3 P.L.
12"(2W)	Waterline	Unser Blvd.	Exist 12"Waterline	Los Volcanes Rd.
	SANITARY SEWER (cont. sht 3)			
12"	Sanitary Sewer	Los Volcanes Rd.	Exist Unser Blvd.	West to Unit 3 P. L.
8"	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / 2 boundary	Los Volcanes Rd.

9MM ½ Traffic Signal (37K) Bluewater & Unser 9MM *
SEE ATTACHED
9MM
8" SAS Extentions Lot 3 & 4, Blk 1 From Unser in Public Esmts
9MM Lots 2 & 3 Blk 2

2 of 4

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Page: 7 of 12
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Bk-9813 Pg-741
Judy D Woodward Bern. Co RGRE R 29 00

D R B Case No. 97-138
D R.C Project No _____
Date Submitted ~~8-2-97~~ 9/9/9
Prelim Plat Approved _____
Prelim Plat Expires _____

Size	Type Improvement	Location	From	To
	STORM DRAIN			
18"SD	Storm Drain & Appurtenances	Oliver Ross Rd.	Lot B-1	Unit 1 / 2 boundary
	TRANSPORTATION			
26' ~~6'~~	Pvmt. ~~Sdwk (South side)~~ C & G Both Sides 7MM	Los Volcanes Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
26' 6'	Pvmt. Sdwk (North side) C & G	Bluewater Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
	WATER			
12"(2W)	Waterline	Los Volcanes Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
20"(2W)	Waterline	20' Easement	Los Volcanes Rd.	Bluewater Rd.
20"(2W)	Waterline	Bluewater Rd	20' Easement	West to Unit 3 P.L.
10"(2WR)	Waterline	Bluewater Rd.	Unit 1 / 3 boundary	West to 5140' Contour
	SANITARY SEWER			
12"	Sanitary Sewer	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Unit 3 P.L.
10"	Sanitary Sewer	Bluewater Rd.	Unit 1 / 3 boundary	West to Unit 3 P.L.

8" Waterline Lots ~~5-24~~, Blk 2 From Unser in Public Easmts
4MM 2 & 3

ATTACHED D

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Page: 8 of 12
07/24/1998 09:56A
Bk-9813 Pg-741
Judy D. Woodward Bern. Co. AGRE R 29 00

D R.B. Case No. 97-138
D R C Project No.
Date Submitted 9-2-97
Prelim. Plat Approved 9-9-97
Prelim Plat Expires 9-25-99
Δ DLH 4-14-98

Figure 12
EXHIBIT "A"
To Subdivision Improvements Agreement
DEVELOPMENT REVIEW BOARD (DRB) REQUIRED INFRASTRUCTURE LISTING
for Clifford West Business Park
UNIT II AND III

Following is a summary of Public/Private Infrastructure required to be constructed or financially guaranteed to be constructed for the above development. This summary is not necessarily a complete listing. During the design process, if the City determines that appurtenant items have not been included in the summary, those items will be included in the listing and related financial guarantee, if the items normally are the Subdivider responsibility. In addition, any unforseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility are the responsibility of the Subdivider and will be included in the financial guarantee provided to the City.

Size	Type Improvement	Location	From	To
		UNIT II		
	TRANSPORTATION			
25'	Pvmt.	Los Volcanes Rd.	Unser Blvd	West to Unit 2 P.L
	C&G (South side)			
25' **	Pmvt	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Unit 2 P.L.
6' **	Sdwk (South side)			
**	C&G (South side)			
			1 2 Δ	
25' **	Pvmt.	Bluewater Rd.	Unit X / X boundary	West to Unit 2 P.L.
6' **	Sdwk (North side)			
**	C & G (North Side)			
Δ 2/6 Traffic Signal (27,260)		Bluewater/Unser Blvd.		
	WATER			
12"(2W)	Waterline	Los Volcanes	Unser Blvd.	West to Unit 2 P.L.
20"(2W)	Waterline	20' Easement	Los Volcanes Rd.	Bluewater Rd.
12"(2W)**	Waterline	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Exist. 12" WL Δ
8" ~~20~~ (2W)**	Waterline	Bluewater Rd.	20' Easement	~~West to Unit 2 P.L.~~
10"(2WR)**	Waterline	Bluewater Rd.	Unit 1 / 2 boundary	West to 5140' Contour
	SANITARY SEWER			
12"	Sanitary Sewer	Los Volcanes Rd.	Exist Unser Blvd	West to Unit 2 P. L.
12"**	Sanitary Sewer	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Unit 2 P.L
10"**	Sanitary Sewer	Bluewater Rd.	Unit 1 / 2 boundary	West to Unit 2 P.L.

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2/1

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Judy D. Woodward Bern. Co. AGRE R 29.00

D R B Case No 97-138
D R C. Project No.
Date Submitted 9-2-97
Prelim Plat Approved 9-9-97
Prelim Plat Expires 9-25-98

Size	Type Improvement	Location	From	To
	STORM DRAIN			
18"SD	Storm Drain Inlet & Appurtenances	Los Volcanes Rd (South side)	@ Unser Blvd.	
	UNIT III			
	TRANSPORTATION			
25' (E to E)	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk 1
25' (E to E)	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 2
40' FF	Pvmt. C&G (both sides)	Oliver Ross Rd.	Lot 4, Blk 3	Los Volcanes Rd.
1/6 of ($1740)	Traffic Signal	Bluewater/Unser Blvd.		
	WATER			
8"(2W)	Waterline	Oliver Ross Rd.	Saul Bell Rd.	Los Volcanes Rd.
8"	Waterline Extensions	Lot 2 & 3, Blk 2	From Unser Blvd. In Public Esmts	
	SANITARY SEWER			
8"	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / 3 boundary	Lot 1, Blk 3
8"	Sanitary Extensions	Lot 3 & 4, Blk 1	From Unser Blvd. In Public Esmts.	
8"	Sanitary Extensions	Lot 3 & 4, Blk 2	From Unser Blvd. In Public Esmts.	
8"	Sanitary Extensions	Lot 2, Blk 1	From Unser Blvd. In Public Esmts.	
8"	Sanitary Extensions	Lot 1, Blk 2	From Unser Blvd. In Public Esmts.	
	STORM DRAIN			
18"SD	Storm Drain & Appurtenances	Oliver Ross Rd.	Lot 1, Blk 3	Unit 1 / X boundary
18"SD	Storm Drain & Appurtenances	Lot 2/3, Blk 2	Extension from Unser Blvd	Inlet to P.L.

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Judy D. Woodward Bern. Co AGRE R 29.00

D.R B. Case No. 97-138
D R.C. Project No.
Date Submitted 9-2-97
Prelim. Plat Approved 9-9-97
Prelim Plat Expires 9-25-98

Size	Type Improvement	Location	From	To
18"SD	Storm Drain & Appurtenances	~~Lot 4, Blk 1~~	Extension from Unser Blvd. Inlet to P.L.	

** *Items to be deferred in Unit II.*

Storm Drain infrastructure to include manholes, inlets, riprap and outfall.

Water infrastructure to include valves, fittings, valve boxes, fire hydrants and service connections.

Sanitary Sewer infrastructure to include manholes and service connections

Prepared By: Diane Hoelzer

Print Name: Diane Hoelzer, PE

Firm: Mark Goodwin & Associates, PA

Development Review Board Member Approvals

Transportation Development	Date	Utility Development	Date
Planning Section,CIP	Date	City Engineer/AMAFCA	Date
DRB Chairperson	Date		

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2 of 3

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Judy D. Woodward Bern. Co. AGRE R 29 00 Bk-9813 Pg-741

D.R.B Case No. 97-138
D.R.C. Project No. _____
Date Submitted ~~9/9/97~~ 9/9/97
Prelim. Plat Approved _____
Prelim. Plat Expires _____

SEE ABOVE

4yrs

* Item to be deferred until warranted by Traffic Operations

Stormdrain to include manholes, inlets, riprap and outfall.

Water infrastructure to include valves, fittings, valve boxes, fire hydrants and service connections.

Sanitary sewer to include manholes and service connections.

Prepared By: Diane Hoelzer

Print Name: Diane Hoelzer, PE

Firm: Mark Goodwin & Associates, PA

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△1 REVISED PHASING (UNITS) 2→3 3→2. INSERT REVISED SHEETS 4-6.

△2 6.2.98 REVISION

Development Review Board Member Approvals

6-2-98 4-14-98 9.09-97
Transportation Development Date

DLS 6.2.98 4/14/98 9-9-97
Planning Section/CIP Date

4/14/98 9/9/97
DRB Chairperson Date

6.2.98

RLS 4/14/98 RLS 6/2/98 9-9-97
Utility Development Date

SMCA 4/14/98 9-9-97
City Engineer/AMAFCA Date

6/2/98

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Judy D. Woodward Bern. Co. AGRE R 29.00

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(Procedure C - Modified)
PUBLIC IMPROVEMENTS AGREEMENT

FIGURE 13

AGREEMENT TO CONSTRUCT
PUBLIC IMPROVEMENTS BY CITY CONTRACT

THIS AGREEMENT is made this 18 day of July, 1998, by and between the City of Albuquerque, New Mexico ("City"), whose address is P.O. Box 1293 (One Civic Plaza), Albuquerque, New Mexico 87103, and The Board of Education of the City of Albuquerque ("Developer"), a [state the type of business entity, for instance, "New Mexico corporation", "general partnership" "joint venture", "individual", etc.:] a Political Subdivision of the State of New Mexico whose address is P. O. Box 25704, Albuquerque, New Mexico 87125 and whose telephone number is 765-5950 *, is made in Albuquerque, New Mexico, and is entered into as of the date of final execution of this Agreement.

1. Recital. The Developer owns certain lands within the City of Albuquerque, Bernalillo County, New Mexico, known as [describe:] a portion of Tract A, Clifford West Business Park, Unit 1 (filed plat). ** ("Developer's Property"). The Developer's Property is owned by [state the name of the present real property owner exactly as shown on the real estate document conveying title in Developer's Property to the present owner:] Bell Group, Inc. ("Owner").

The developer of the property is seeking [describe: "preliminary/final plat", "site development plan", etc.] Final Plat approval. The City and the property developer have agreed that it would be beneficial to all parties and the general public to make certain improvements to the public roadways and that it is appropriate that the Developer contribute to the cost of the improvements.

Developer's Property will benefit from the construction of certain improvements detailed below, which will be located on public right-of-way, and the City is willing to construct those improvements with the participation of the Developers.

Therefore, the City and the Developer agree:

2. Improvements. The City agrees to install and complete the following public improvements, identified as City Project No.: 580082 Offsite traffic signal at the intersection of Bluewater Road N.W. and Unser Boulevard N.W. ("Improvements").

3. Developer's Estimated Cost. The Developer's share has been determined to be Twenty Seven Thousand Two Hundred Sixty dollars and zero cents ($ 27260.00) ("Developer's Share"), as detailed in the City-approved estimate which is attached as Exhibit A. The estimate includes City fees and contingencies and is the only amount developer will be required to contribute for this project.

4. Payment. All payments will be made only in the following form: cash, certified check, cashier's check or other form of payment approved by the City.

* Extention 265 (Charles O. Atwood)
** also known as Tract A-1, Clifford West Business Park, Unit 2 (Preliminary Plat)

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Judy D Woodward Bern. Co AGRE R 25.00

APS's contribution to traffic signal at Unser and Bluewater, as agreed with COA.

5 Notice For purposes of giving formal written notice, including notice of change of address, the Developer's and the City's addresses are as stated in the first paragraph of this Agreement. Notice may be given either in person or by certified U.S. mail, postage paid. Notice will be considered to have been received within six days after the notice is mailed if there is no actual evidence of receipt.

6 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.

7. Changes to Agreement. Changes to this Agreement are not binding unless made in writing, signed by both parties.

8. 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

9. Captions. The captions to the sections or paragraphs of this Agreement are not part of this Agreement and will not affect the meaning or construction of any of its provisions.

10. Authority to Execute. If the Developer signing below is not the Owner of the Developer's Property, the City may require the Developer to provide the City with satisfactory proof of Developer's authority to execute this Agreement.

Executed on the date stated in the first paragraph of this Agreement.

THE BOARD OF EDUCATION OF THE
CITY OF ALBUQUERQUE
DEVELOPER:

By: George J. Bello
Name: George J. Bello
Title: Deputy Superintendent
Dated: 6/18/98

CITY OF ALBUQUERQUE:

Director, Public Works Department 7/10/98
Dated: 7/9/98
7/15/98

Approved by:

City Engineer
7/7/98

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Judy D. Woodward Bern. Co RGRE R 25.00

DEVELOPER'S NOTARY

STATE OF New Mexico)
) ss.
COUNTY OF Bernalillo)

This instrument was acknowledged before me on 18th day of June, 1998 by (name of person.) George J. Bello, (title or capacity, for instance, "President", "Owner":) Deputy Superintendent of (Developer:) The Board of Education of the City of Albuquerque.

Notary Public

My Commission Expires:
July 30, 1999

CITY'S NOTARY

STATE OF New Mexico)
) ss.
COUNTY OF Bernalillo)

This instrument was acknowledged before me on 8th day of July, 1998 by Larry A. Blair, Director, Public Works Department of the City of Albuquerque, a municipal corporation on behalf of said corporation.

Notary Public

My Commission Expires:
1-27-2002

EXHIBIT A ATTACHED

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Page: 3 of 10
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Bk-9812 Pg-8957
Judy D. Woodward Bern Co. AGRE R 25.00

DRB Case No 97-138
DRC Project No
Date Submitted ~~8.29.97~~ 9/9/97
Prelim Plat Approved
Prelim Plat Expires ~~9/25/98~~
1 REVISED 4.14.98
2 REVISED 6/2/98

Figure 12
EXHIBIT "A"
To Subdivision Improvements Agreement
DEVELOPMENT REVIEW BOARD (DRB) REQUIRED INFRASTRUCTURE LISTING
for Clifford West Business Park
Unit 1+2 [illegible] (AT 9MM

Following is a summary of Public/Private infrastructure required to be constructed or financially guaranteed to be constructed for the above development. This summary is not necessarily a complete listing. During the design process, if the City determines that appurtenant items have not been included in the summary, those items will be included in the listing and related financial guarantee, if the items normally are the Subdivider responsibility. In addition, any unforseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility are the responsibility of the Subdivider and will be included in the financial guarantee provided to the City.

Size	Type Improvement	Location	From	To
	UNIT 1			
	TRANSPORTATION 9MM ½ Traffic Signal #38K Bluewater & Unser #			
40'FF ~~6'~~	Pvmt. ~~Sdwk (both sides)~~ C & G (both sides) 9MM	Saul Bell Rd.	Unser Blvd.	Oliver Ross Rd. 3 DLH 4-14 1
40'FF ~~6'~~	Pvmt. ~~Sdwk (both sides)~~ C & G (Both sides) 9MM	Oliver Ross Rd.	Bluewater Rd.	Unit 1 / ½ boundary 2 DLH 4-14 1
25' ~~6'~~ 6'	Pvmt. ~~C&G (north side)~~ C & G (N. side) 9MM Sdwk north side	Bluewater Rd	Exist Pvmt. Exist. Pvmt	W to Unit 1 / ½ boundary W to Unit 1 / ½ Bndy 2 DLH 4-14 1
	WATER			
10"(2WR)	Waterline	Saul Bell Rd.	Unser Blvd	Oliver Ross Rd.
10"(2WR)	Waterline	Oliver Ross Rd.	Bluewater Rd.	Saul Bell Rd. 2 DLH 4-14 1
10"(2WR)	Waterline	Bluewater Rd	Exist 10" WL	West to Unit ½ P.L.
	SANITARY SEWER			
8"	Sanitary Sewer	Saul Bell Rd	Lot D-12 3 DLH 4-14 1	Oliver Ross Rd.
8"	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / ½ boundary	Bluewater Rd. 2 DLH 4-14 1
10"	Sanitary Sewer	Bluewater Rd.	Exist 10"SAS	W to 1 / ½ boundary

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Judy D. Woodward Bern. Co. AGRE R 25.00 Bk-9812 Pg-8957

D R B Case No 97-128
D R C Project No. _____
Date Submitted 8/27/97 9/9/9
Prelim Plat Approved 9/9/97
Prelim. Plat Expires 9/25/98
REVISED 4/14/98

Size	Type Improvement	Location	From	To
	STORM DRAIN			
18"-36" SD	Storm Drain & Appurtenances	Bluewater Rd.	Unser Blvd.	Oliver Ross Rd.
18"SD	Storm Drain & Appurtenances	Oliver Ross Rd	Bluewater Rd.	Unit 1 / 2 boundary
18"SD	Storm Drain & Appurtenances	Saul Bell Rd.	Oliver Ross Rd.	Lot D-12
	UNIT II			
	TRANSPORTATION (cont. sht 3)			
40' FF	Pvmt. C & G	Oliver Ross Rd.	Lot B-4	Los Volcanes Rd
25'	Pvmt. C&G	Los Volcanes Rd.	Unser Blvd.	West to Unit 3 P.L.
26'	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 1
25'	Pvmt. C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 2
	WATER (cont. sht 3)			
10"(2W)	Waterline	Oliver Ross Rd.	Saul Bell Rd.	Los Volcanes Rd.
12"(2W)	Waterline	Los Volcanes	Unser Blvd.	West to Unit 3 P.L.
12"(2W)	Waterline	Unser Blvd.	Exist 12"Waterline	Los Volcanes Rd.
	SANITARY SEWER (cont. sht 3)			
12"	Sanitary Sewer	Los Volcanes Rd.	Exist Unser Blvd.	West to Unit 3 P. L.
8"	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / 2 boundary	Los Volcanes Rd.

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Judy D. Woodward Bern. Co. AGRE R 25.00

D R B. Case No. 97-138
D.R.C Project No. _____
Date Submitted 9-2-97 9/9/97
Prelim. Plat Approved _____
Prelim Plat Expires _____

Size	Type Improvement	Location	From	To
	STORM DRAIN			
18"SD	Storm Drain & Appurtenances	Oliver Rose Rd.	Lot B-1	Unit 1 / 2 boundary
	TRANSPORTATION			
26' ~~6'~~	Pvmt. ~~Sdwk (South side)~~ C & G Both Sides 2MM	Los Volcanes Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
26' 6'	Pvmt. Sdwk (North side) C & G	Bluewater Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
	WATER			
12"(2W)	Waterline	Los Volcanes Rd.	Unit 2 / 3 boundary	West Unit 3 P.L.
20"(2W)	Waterline	20' Easement	Los Volcanes Rd.	Bluewater Rd.
20"(2W)	Waterline	Bluewater Rd.	20' Easement	West to Unit 3 P.L.
10"(2WR)	Waterline	Bluewater Rd.	Unit 1 / 3 boundary	West to 5140' Contour
	SANITARY SEWER			
12"	Sanitary Sewer	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Unit 3 P.L.
10"	Sanitary Sewer	Bluewater Rd.	Unit 1 / 3 boundary	West to Unit 3 P.L.

[redacted] OLH

ATTACHED A

8" Waterline Lots ~~1 & 4~~ 2 & 3, Blk 2 From Unser to Public Easmts
4MM

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Judy D. Woodward Bern. Co. AGRE R 25.00

D R B Case No 97-138
D R C Project No _____
Date Submitted 9-2-97
Prelim Plat Approved 9-9-97
Prelim Plat Expires 9-25-99
Δ DLH 4-14-98

Figure 12
EXHIBIT "A"
To Subdivision Improvements Agreement
DEVELOPMENT REVIEW BOARD (DRB) REQUIRED INFRASTRUCTURE LISTING
for Clifford West Business Park
UNIT II AND III

Following is a summary of Public/Private Infrastructure required to be constructed or financially guaranteed to be constructed for the above development. This summary is not necessarily a complete listing. During the design process, if the City determines that appurtenant items have not been included in the summary, those items will be included in the listing and related financial guarantee, if the items normally are the Subdivider responsibility. In addition, any unforseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility are the responsibility of the Subdivider and will be included in the financial guarantee provided to the City.

Size	Type Improvement	Location	From	To
		UNIT II		
	TRANSPORTATION			
25'	Pvmt. C&G (South side)	Los Volcanes Rd.	Unser Blvd.	West to Unit 2 P.L.
25' **	Pmvt.	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Unit 2 P.L.
6' **	Sdwk (South side)			
**	C&G (South side)			
25' **	Pvmt.	Bluewater Rd.	Unit 1 / 2 boundary	West to Unit 2 P.L.
6' **	Sdwk (North side)			
**	C & G (North Side)			
2/6 Traffic Signal (27,260)		Bluewater/Unser Blvd.		
	WATER			
12"(2W)	Waterline	Los Volcanes	Unser Blvd.	West to Unit 2 P.L.
20"(2W)	Waterline	20' Easement	Los Volcanes Rd.	Bluewater Rd.
12"(2W)**	Waterline	Los Volcanes Rd.	Unit 2 / 3 boundary	West to Exist. 12" WL & to 5120' Contour
8"~~20"~~(2W)**	Waterline	Bluewater Rd.	20' Easement	~~West to Unit 2 P.L.~~
10"(2WR)**	Waterline	Bluewater Rd.	Unit 1 / 2 boundary	West to 5140' Contour
	SANITARY SEWER			
12"	Sanitary Sewer	Los Volcanes Rd.	Exist Unser Blvd.	West to Unit 2 P. L.
12"**	Sanitary Sewer	Los Volcanes Rd	Unit 2 / 3 boundary	West to Unit 2 P.L
10"**	Sanitary Sewer	Bluewater Rd.	Unit 1 / 2 boundary	West to Unit 2 P L.

1 of 3

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Judy D Woodward Bern. Co. AGRE R 25.00

D R B Case No 97-138
D R C. Project No _____
Date Submitted 9-2-97
Prelim Plat Approved 9-9-97
Prelim Plat Expires 9-25-99

Size	Type Improvement	Location	From	To
	STORM DRAIN			
18"SD	Storm Drain Inlet & Appurtenances	Los Volcanes Rd. (South side)	@ Unser BLvd.	
	UNIT III			
	TRANSPORTATION			
25' (E to E)	Pvmt C&G	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 1
25' (E to E)	Pvmt. C&G.	32' Private Access Easement	Saul Bell Rd.	Lot 3, Blk. 2
40' FF	Pvmt C & G (both sides)	Oliver Ross Rd.	Lot 4, Blk 3	Los Volcanes Rd.
1/6 ea (9740)	Traffic Signal	Bluewater/Unser Blvd.		
	WATER			
8"(2W)	Waterline	Oliver Ross Rd.	Saul Bell Rd.	Los Volcanes Rd.
8"	Waterline Extensions	Lot 2 & 3, Blk 2	From Unser Blvd. In Public Esmts.	
	SANITARY SEWER			
8"	Sanitary Sewer	Oliver Ross Rd.	Unit 1 / 3 boundary	Lot 1, Blk 3
8"	Sanitary Extensions	Lot 3 & 4, Blk 1	From Unser Blvd. In Public Esmts	
8"	Sanitary Extensions	Lot 3 & 4, Blk 2	From Unser Blvd. In Public Esmts.	
8"	Sanitary Extensions	Lot 2, Blk 1	From Unser Blvd. In Public Esmts.	
8"	Sanitary Extensions	Lot 1, Blk 2	From Unser Blvd. In Public Esmts.	
	STORM DRAIN			
18"SD	Storm Drain & Appurtenances	Oliver Ross Rd.	Lot 1, Blk 3	Unit 1 / 3 boundary
18"SD	Storm Drain & Appurtenances	Lot 2/3, Blk 2	Extension from Unser Blvd. Inlet to P.L.	

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Judy D. Woodward Bern. Co. AGRE R 25.00 Bk-9812 Pg-8957

D.R.B Case No 97-138
D.R.C Project No
Date Submitted 8.2.97
Prelim. Plat Approved 9.9.97
Prelim Plat Expires 9.25.98

Size	Type Improvement	Location	From	To
18"SD	Storm Drain & Appurtenances	Lot 4, Blk 1	Extension from Unser Blvd. Inlet to P.L.	

** *Items to be deferred in Unit II.*

Storm Drain infrastructure to include manholes, inlets, riprap and outfall.

Water infrastructure to include valves, fittings, valve boxes, fire hydrants and service connections.

Sanitary Sewer infrastructure to include manholes and service connections.

Prepared By: Diane Hoelzer

Print Name: Diane Hoelzer, PE

Firm: Mark Goodwin & Associates, PA

Development Review Board Member Approvals

Transportation Development	Date	Utility Development	Date
Planning Section,CIP	Date	City Engineer/AMAFCA	Date
DRB Chairperson	Date		

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3 of 3

1998098668
5000359
Page: 9 of 18
07/21/1998 09:34A
Judy D. Woodward Bern Co. AGRE R 25 00 Bk-9812 Pg-8957

D R B. Case No. 97-138
D.R.C. Project No. _____
Date Submitted 9/9/97
Prelim Plat Approved _____
Prelim. Plat Expires _____

SEE ABOVE

and

* Item to be deferred until warranted by Traffic Operations.

Stormdrain to include manholes, inlets, riprap and outfall.

Water infrastructure to include valves, fittings, valve boxes, fire hydrants and service connections.

Sanitary sewer to include manholes and service connections.

Prepared By: Diane Hoelzer

Print Name: Diane Hoelzer, PE

Firm: Mark Goodwin & Associates, PA

f:\\clifford.wpt\infra la1

△1 REVISED PHASING (UNITS) 2→3, 3→2. INSERT REVISED SHEETS 4-6.

△2 6.2.98 REVISION

Development Review Board Member Approvals

6-2-98 4-14-98 9-09-97
Transportation Development Date

DLS 6.2.98 4/14/98 9-9-97
Planning Section/CIP Date

4/14/98 9/9/97
DRB Chairperson Date

6.2.98

RAS 4/14/98 RAS 6/2/98 9-9-97
Utility Development Date

SMC 4/14/98 9-9-97
City Engineer/AMAFCA Date

6/2/98

4 of 4
7/7

19980990668
5000359
Page: 10 of 18
07/21/1998 09:34A
Bk-9812 Pg-8957
Judy D. Woodward Bern. Co. AGRE R 25.00

Figure 30

CLAIM AND NOTICE OF LIEN

TITLE OF PROJECT: Westside Middle School
SUBDIVIDER: The Board of Education of the City of Albuquerque
CITY PROJECT NO.: Non-Work Order

The City of Albuquerque ("City") claims a lien ("City Lien") on the real property described below for 125% of the cost of construction of all infrastructure improvements ("Improvements") required in connection with the development of (name of subdivision) Westside Middle School, said Improvements being more particularly described in that certain Subdivision Improvements Agreement ("Agreement") between the City of Albuquerque and (name of owner and/or subdivider) The Board of Education of* and recorded in the office of the Clerk of Bernalillo County, New Mexico in Misc. Book ____ ____ at page(s) _____. This Lien is established pursuant to Article 14-14-3 of the Revised Ordinances of Albuquerque, New Mexico, 1994, as amended, and is claimed as assurance for the satisfactory completion of construction of the Improvements by the construction completion deadline as required by the Agreement.

OWNER: The Board of Education of the City of Albuquerque

ADDRESS OF OWNER: P. O. Box 25704, Albuquerque, New Mexico 87125

LEGAL DESCRIPTION: Tract A-1, Clifford West Business Park, Unit 2

FORMER LEGAL DESCRIPTION: a portion of Tract A, Clifford West Business Park, Unit I, recorded on December 10, 1997 Records of Bernalillo County Book 97C, 346

AMOUNT:$ 380,147.65 plus any costs incurred for a title search and update, which amount shall bear interest at the rate of twelve percent (12%) per year from the date of filing of this Claim and Notice of Lien.

PERIOD OF TIME COVERED: Expiration of construction completion deadline June 2, 2000. Notwithstanding the expiration date for the construction completion deadline, the City may record this Claim and Notice of Lien at anytime the City determines that any alternative Financial Guaranty does not provide adequate assurance that construction of the improvements will occur.

*the City of Albuquerque

1998092461
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Page: 1 of 2
07/24/1998 09:56A
Bk-9813 Pg-742
Judy D. Woodward Bern. Co. LIEN R 9.00

APS's Financial Guaranty for Public Infrastructure to be built for School Site (COA Proj. 602181)

WITNESS my hand and seal this 24 day of July, 1998

City Clerk
City of Albuquerque
Bernalillo County, New Mexico

APPROVED:

City Engineer
Public Works Department
Date: 7/7/98

Larry Blair
Public Works Department
Date: 7/15/98

Anna Lamberson, director
Department Finance & Management
Date: 7/15/98

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

On this the 24 day of July, 1998 before me appeared [illegible] to me personally known, who being by me duly sworn or affirmed did say that she is the City Clerk of the City of Albuquerque, County of Bernalillo, State of New Mexico, and that said instrument was signed and sealed in behalf of said City of Albuquerque by authority of its City Council and the laws of the State of New Mexico and of said City of Albuquerque, and the County Clerk acknowledged said instrument to be the free act and Claim and Notice of Lien of the City of Albuquerque.

Notary Public

My Commission Expires:

sia/notlien

OFFICIAL SEAL
Trina M. Sprunk
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 12-2-2000

(Approved as to form by Legal 5/30/96 KJC)

Judy D. Woodward Bern. Co. LIEN R 9.00

1998092461
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Page: 2 of 2
07/24/1998 09:56A
Bk-9813 Pg-742

DRAINAGE REPORT

for

CLIFFORD WEST BUSINESS PARK

FOR INFORMATION
ONLY — NOT
FOR REVIEW
& APPROVAL

RECEIVED
FEB 17 1999
HYDROLOGY SECTION

MARK GOODWIN
& ASSOCIATES
CONSULTING ENGINEERS
mg

CITY OF
Albuquerque

Martin J. Chávez, Mayor

October 8,1997

Diane Hoelzer
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: REVISED DRAINAGE PLAN FOR CLIFFORD WEST BUSINESS PARK (K10-D23)
REVISION DATED 9/12/97

Dear Ms. Hoelzer:

Based on the information provided on your September 15,1997 resubmittal, the above referenced site is approved for Preliminary and Final Plat.

Also, please be advised that a site specific drainage plan for each lot will be required prior to Building Permit release.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J.Montoya CE
Associate Engineer

DRAINAGE REPORT

for

CLIFFORD WEST BUSINESS PARK

SEPTEMBER 1997

D. MARK GOODWIN & ASSOCIATES

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II. DRAINAGE DESIGN CRITERIA AND ASSUMPTIONS

III. EXISTING DRAINAGE CONDITIONS

IV. DEVELOPED DRAINAGE CONDITIONS

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TABLE 1: SUMMARY OF STREET AND INLET CAPACITIES

FIGURE 1: VICINITY MAP
FIGURE 2: FEMA MAP
FIGURE 3: CLIFFORD WEST BUSINESS PARK DRAINAGE BASINS BOUNDARIES AND ALLOWABLE DISCHARGE TABLE
FIGURE 4: CLIFFORD WEST BUSINESS PARK STORM DRAIN SCHEMATIC

APPENDIX A HYDROLOGY

APPENDIX B STORM DRAIN CALCULATIONS

APPENDIX C HYDRAULICS

POCKET 1: ATRISCO BUSINESS PARK APPROVED MASTER DRAINAGE PLAN 10-22-93

POCKET 2: CLIFFORD WEST BUSINESS PARK GRADING AND DRAINAGE PLAN (2 SHEETS)

D. Mark Goodwin & Associates, P.A.
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539
e-mail: dmg@swcp.com

September 12, 1997

Mr. Bernie Montoya
City of Albuquerque
One Stop - Hydrology Dept.
P.O. Box 1293
Albuquerque, NM 87199

Re: Clifford West Business Park Grading and Drainage Plan (K10-D23)
Engineer's stamp 9-12-97

Dear Mr. Montoya:

This letter is in response to you concerns addressed in your letter dated September 2, 1997.

1. *The stub-outs for each lot will extend from a manhole in the main storm drain to the property line. As each lot develops a detention pond and a restrictive outfall structure will be constructed on site. I met with Glenn Jurgensen and have included his written concurrence with this drainage plan.*

2. *The proposed drainage easement has been extended into lot 9 as reflected on the revised G&D plan.*

3. *All easements have been identified on the revised grading and drainage plan.*

4. *There are no proposed inlets on Unser Blvd. There are existing inlets in Unser Blvd. This drainage plan is to tap into the existing inlets and extend an 18" SD to the property line and discharge directly into the main storm drain in Unser Blvd.*

5. *The 20' public drainage easements have been changed to 10' private drainage easements.*

6. *Top of curb data has been added to the revised grading and drainage plan.*

7. *All contours on the grading and drainage plan are existing contours. A grading permit is not being sought with this submittal. Grading permits will be sought when individual grading and drainage plans are submitted for each lot.*

8. *I spoke with Richard Dourte and he has no problem with the temporary drainage swale within the right of way. I revised the offsite drainage basin area that contributes runoff to Los Volcanes Road and have provided more detail on the G & D Plan for the temporary swale and temporary spillway into Los Volcanes.*

9. *I have included a copy of the revised infrastructure list with this submittal.*

D. Mark Goodwin & Associates, P.A.
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539
e-mail: dmg@swcp.com

10. I have added a note on the grading and drainage plan that addresses the use of temporary erosion and sediment control berms and temporary diversion swales.

If you have any questions, please call me.

Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Diane Hoelzer, P.E.

DLH:sb

Attachment

b:\clifford\drainage.ltr

CITY OF
Albuquerque

Martin J. Chávez, Mayor

September 2,1997

Diane Hoelzer
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: DRAINAGE PLAN FOR CLIFFORD WEST BUSINESS PARK (K10-D23) ENGINEER'S STAMP DATED 7/30/97

Dear Ms. Hoelzer:

Based on the information provided on your July 30,1997 submittal, listed are some concerns that will need to be addressed prior to Preliminary Plat and Grading approval:

1. Where do you propose to install the stub-outs from each lot ? Glenn Jurgensen from Arroyo Maintenance will need to review your concept.

2. You will need to extend the proposed drainage easement further into lot 9 .

3. Please identify all the easements shown on the plan drawing.

4. Proposed inlets on Unser must be "A"s .

5. Proposed drainage easements must be private.

6. Top of curb and flowline elevations on all the streets.

7. Please label the existing contours and the proposed if you are also seeking a Grading Permit.

8. What type of erosion and sediment control do you propose within the proposed 12" inch deep detention ditch on the south side of Los Volcanes Rd.. You will need Traffics concurrence.

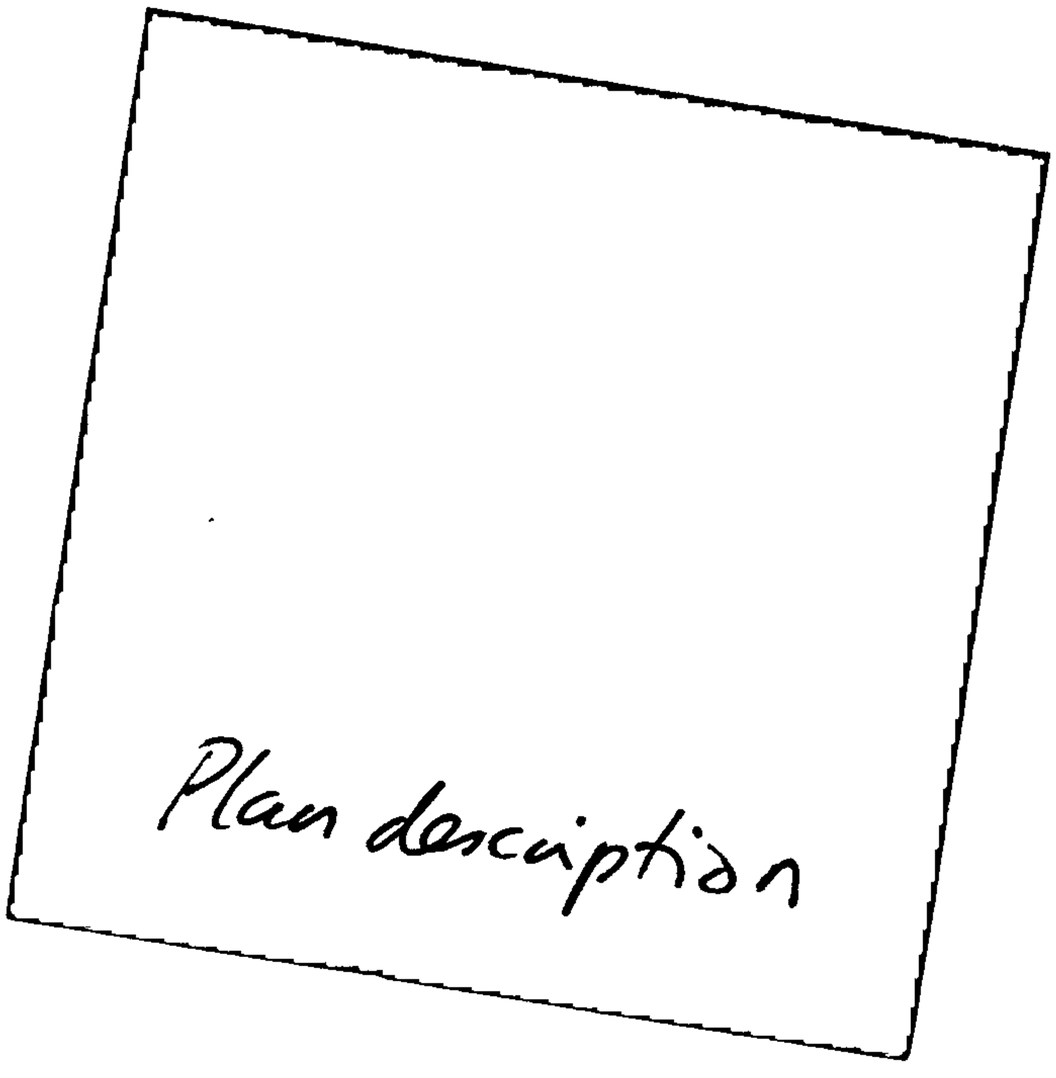
9. Copy of the new infrastructure list.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya CE
Associate Engineer


Plan description

I. LOCATION AND DESCRIPTION

The proposed Clifford West Business Park , which was part of the larger Atrisco Business Park is comprised of approximately 52.2 acres and is located south of I-25, just west of Unser Blvd. between Los Volcanes Road and Bluewater Road. Proposed development includes the infrastructure to support the individual development of 29 commercial sites.

The topographic relief in the area is in an southeasterly direction at a slope of approximately 2.0 percent.

The FEMA map indicates that a portion of the site is within the 100-year floodplain. Presently AMAFCA is working on a LOMR for the Unser Diversion. The Unser Diversion infrastructure has been built.

II. DRAINAGE DESIGN CRITERIA AND ASSUMPTIONS

The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria, January 1993 edition. The drainage management plan for this site is based entirely on the previously approved Atrisco Business Park Master Drainage Plan for fully developed conditions dated October 22, 1993. In accordance with that plan the allowable discharge from this site is 56.6 cfs and the 100-year peak discharge from this site is 217.1 cfs. These two values are the basis for all the drainage calculations in this report.

IV. EXISTING DRAINAGE CONDITIONS

Under existing drainage conditions, on-site runoff flows in a southeasterly direction. All of these flows are intercepted by either Unser Blvd. or Bluewater Road. There is an existing swale on this site just north of Bluewater Road that intercepts flows and conveys the runoff to the east toward Unser Blvd. After some ponding the flows spill over into Unser Blvd. at the intersection with Bluewater Road.

Off-site flows along the east and south property line continue in the southeasterly direction, away from the project site. Off-site flows north of the project site flow in a southeasterly direction through the site. All flows west of the site are intercepted by the Unser Diversion facility.

There is an existing storm drain in Unser Blvd. that includes stub-outs in Los Volcanes Road and Bluewater Road and four inlets in the west flowline of Unser Blvd. This system includes two inlets at the intersection of Los Volcanes Rd./Unser Blvd. and four inlets at the intersection of Bluewater Road/Unser Bvld.

V. PROPOSED DRAINAGE CONDITIONS

A. MASTER DRAINAGE PLAN

For this drainage plan the primary drainage requirement is that every individual commercial site will be required to retain a certain amount of their runoff on-site and all runoff from the site must discharge directly into the adjacent storm drain. The allowable discharge from each lot within the project site was calculated based on the approved master drainage plan for Atrisco Business Park and is summarized in a Table in Figure 3 and shown on the grading and drainage plan. Drainage calculations are in the Appendix A Hydrology.

The storm drain in Bluewater Road will be extended west to the Unit 1/3 boundary divide and in Oliver Ross Road and Saul Bell Road within the project site. Storm drain stub-outs will be provided to the property line for each of the 29 lots. Four 18" storm drain laterals will be extended from the existing inlets in Unser Blvd. to the property line to allow direct discharge from the seven properties adjacent to Unser Blvd. The storm drain in

Bluewater will include four stub-outs to the property line to service those lots that drain in a southerly direction.

Street flows in Los Volcanes Road will be intercepted by the existing inlets at the Unser Blvd. Intersection. Street flows in Bluewater Road will be intercepted by the existing inlets at the intersection of Unser Blvd. Street flows in Saul Bell Road will be intercepted by two new inlets located just west of the Unser Blvd. intersection.

Off-site flows originating from the west are intercepted by the Unser Diversion Facility. Off-site flows originating from the north will be intercepted by a temporary drainage swale located within the public right-of-way along the north side of Los Volcanes Road before discharging into the street at the intersection of Unser Blvd. and Los Volcanes Road. The profile for Los Volcanes road is being constructed lower than the surrounding area to help prevent the possibility of offsite flows originating from the north from entering the project site as it is developing.

The Atrisco Business Park Master Plan Fully Developed Conditions exhibit is included in the back pocket of this report to facilitate in the understanding of the big picture for development of the area. Another close up exhibit of the area and the drainage basin areas used in the master plan is included in Appendix A Hydrology.

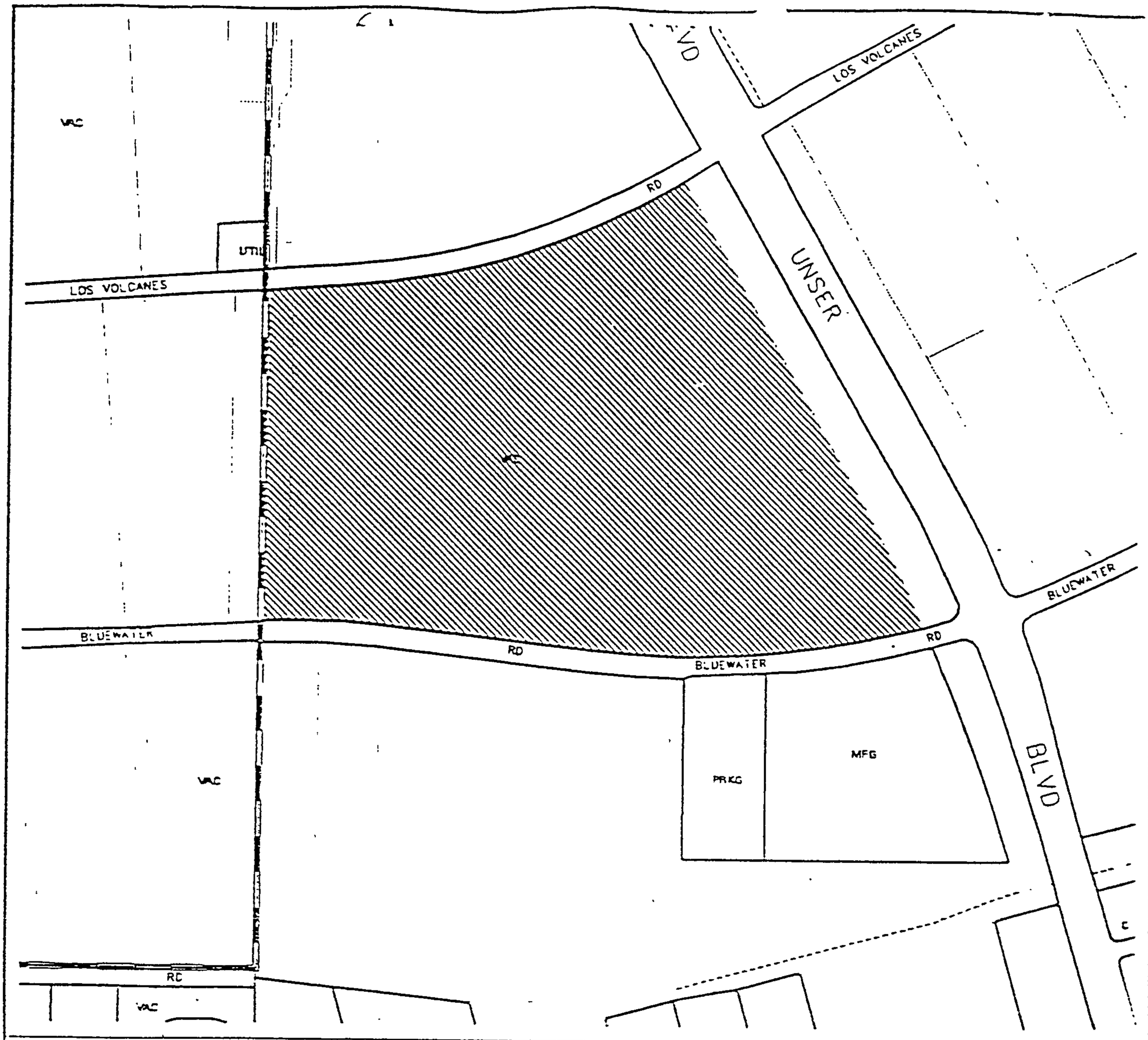
TABLE 1

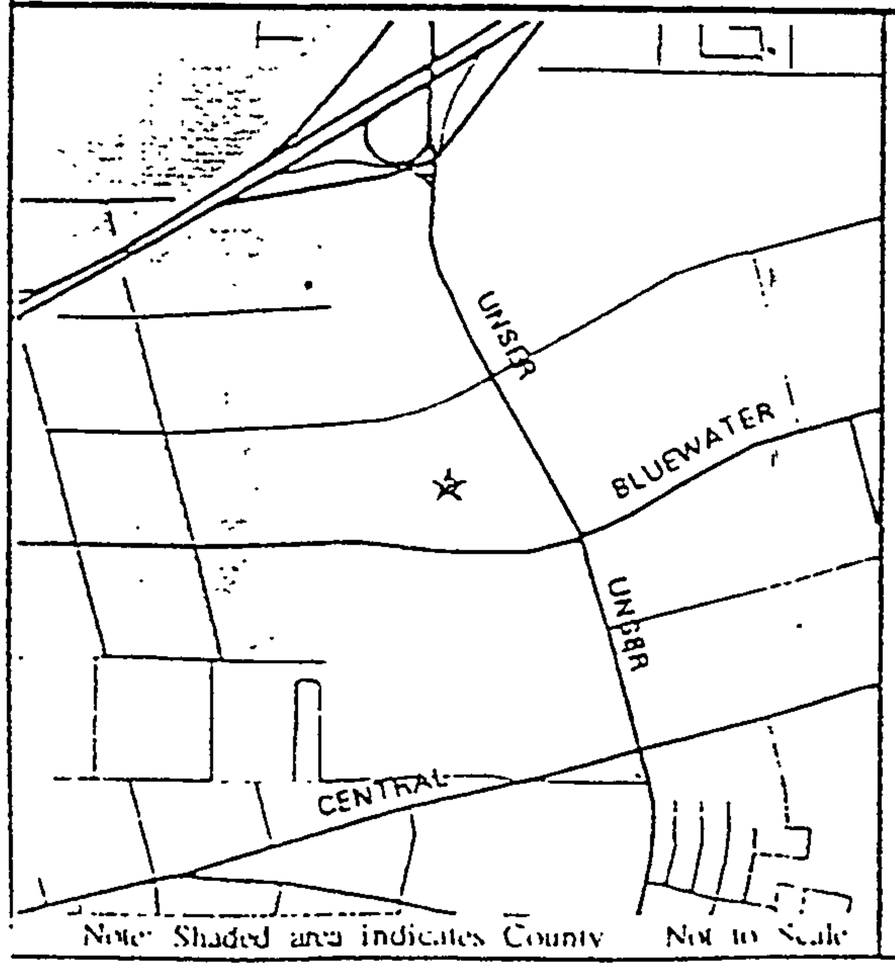
SUMMARY OF STREET CAPACITY AND INLET CALCULATIONS

Clifford West Industrial Park

LOCATION	LOCATION	WIDTH ft.	SLOPE %	Q cfs	DEPTH ft	Q per INLET cfs	# of INLETS	REMAIN Q (cfs)	ADDITIONAL Q (cfs)
Oliver Ross Rd	@ Bluewater	40' FF	1.54	7.88	0.31	2.50	2	2.88	—
Saul Bell Rd	@ Unser	40' FF	0.60	4.24	0.29	1.65	2	0.94	—
Bluewater	@ Unser	40' FF	2.00	12.81	0.34	3.80	2	5.21	—
Bluewater	@ Unser	40' FF	0.005	5.21	0.32	1.90	2	1.41	—
Bluewater	@Olivin Ros	40' FF	1.00	5.69	0.30	2.0	1	3.69	

f:\clifford.wst\condition.tbl





Note: Shaded area indicates County Not to Scale

LAND USE MAP

KEY to Land Use Abbreviations

AGRI Agricultural
COMM Commercial -Retail, Service, Wholesale
DRNG Drainage
EDUC Public or Private School
GOLF Golf Course
MED Medical Office or Facility
MFG Manufacturing or Mining
MH Mobile Home
MULT Multi-Family or Group Home
OFF Office
ORG Social or Civic Organization
PARK Park, Recreation or Open Space
PRKG Parking
PUBF Public Facility
RELG Religious Facility
SF Single Family
TRAN Transportation Facility
UTIL Utility
VAC Vacant Land or Abandoned Bldgs
WH Warehousing & Storage

AGIS

Scale 1" = 400'

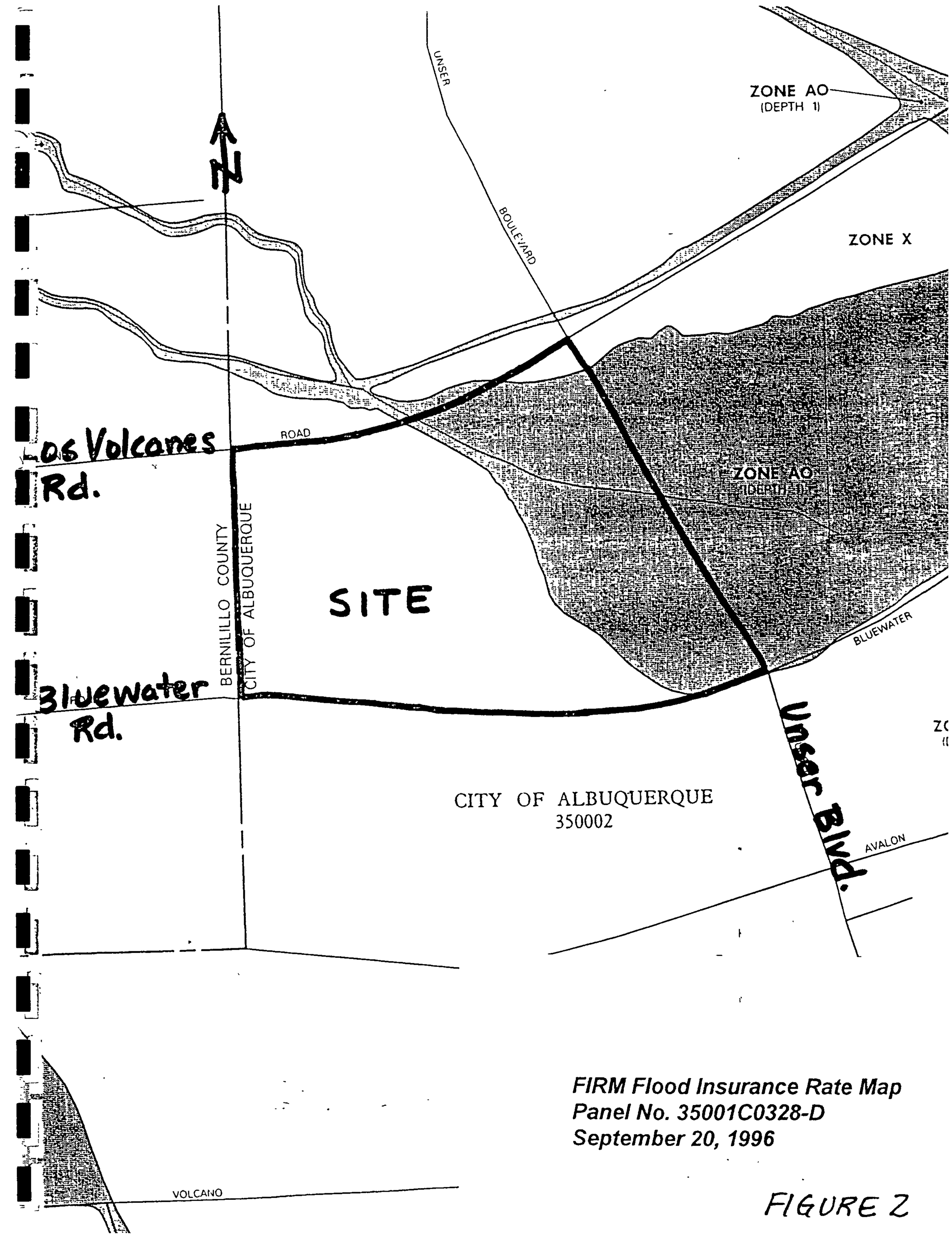
CASE PLANNER

HEARING DATE
1-16-97

MAP NO.
K-9/K-10

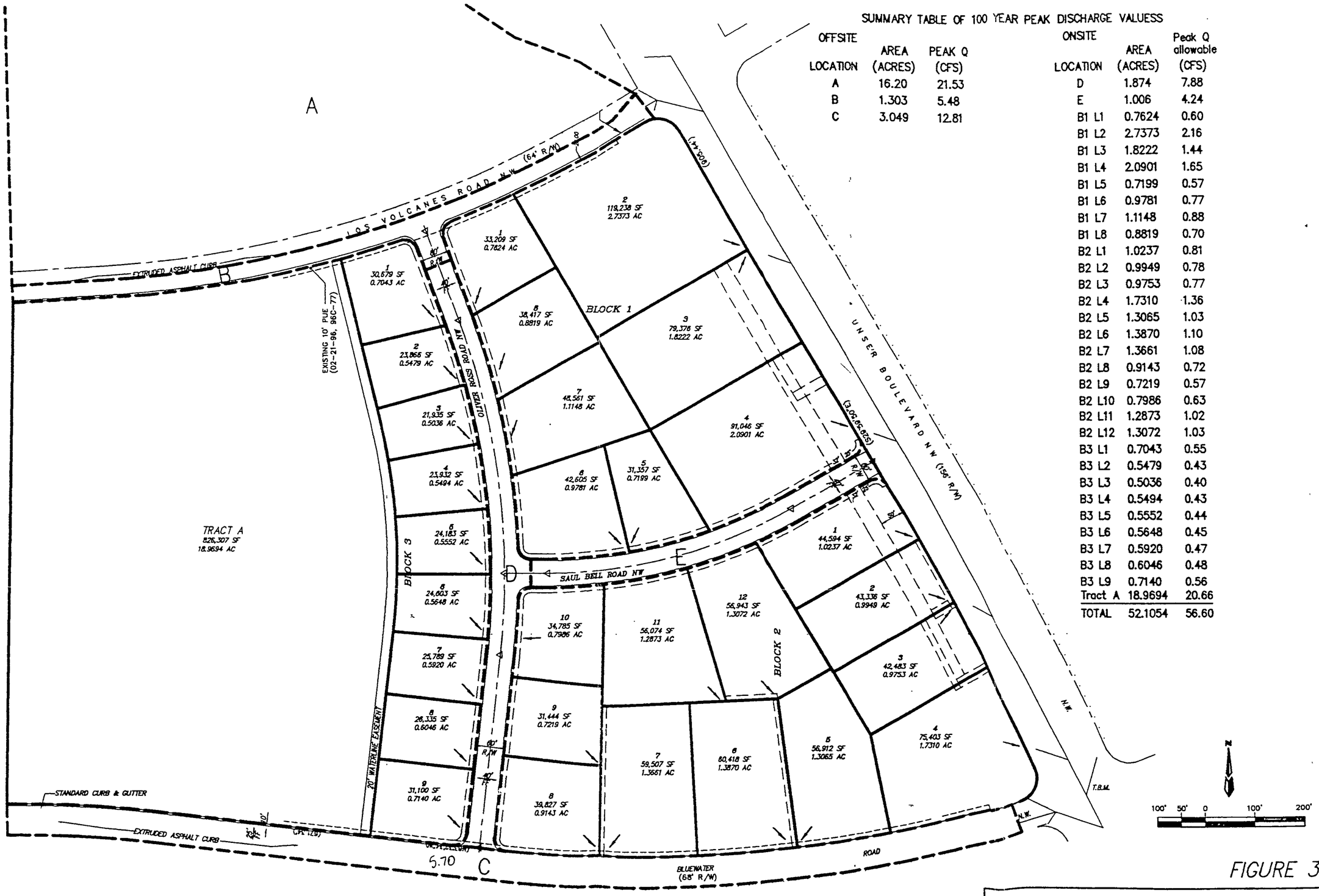
FILE NO.
Z-97-11

FIGURE 1



FIRM Flood Insurance Rate Map
Panel No. 35001C0328-D
September 20, 1996

FIGURE 2



UNSER DIVERSION

SUMMARY TABLE OF 100 YEAR PEAK DISCHARGE VALUESS

OFFSITE LOCATION	AREA (ACRES)	PEAK Q (CFS)
A	16.20	21.53
B	1.303	5.48
C	3.049	12.81

ONSITE LOCATION	AREA (ACRES)	Peak Q allowable (CFS)
D	1.874	7.88
E	1.006	4.24
B1 L1	0.7624	0.60
B1 L2	2.7373	2.16
B1 L3	1.8222	1.44
B1 L4	2.0901	1.65
B1 L5	0.7199	0.57
B1 L6	0.9781	0.77
B1 L7	1.1148	0.88
B1 L8	0.8819	0.70
B2 L1	1.0237	0.81
B2 L2	0.9949	0.78
B2 L3	0.9753	0.77
B2 L4	1.7310	1.36
B2 L5	1.3065	1.03
B2 L6	1.3870	1.10
B2 L7	1.3661	1.08
B2 L8	0.9143	0.72
B2 L9	0.7219	0.57
B2 L10	0.7986	0.63
B2 L11	1.2873	1.02
B2 L12	1.3072	1.03
B3 L1	0.7043	0.55
B3 L2	0.5479	0.43
B3 L3	0.5036	0.40
B3 L4	0.5494	0.43
B3 L5	0.5552	0.44
B3 L6	0.5648	0.45
B3 L7	0.5920	0.47
B3 L8	0.6046	0.48
B3 L9	0.7140	0.56
Tract A	18.9694	20.66
TOTAL	52.1054	56.60

FIGURE 3

CLIFFORD WEST BUSINESS PARK DRAINAGE BASIN BOUNDARIES AND ALLOWABLE DISCHARGES

6135CLIF\CLIFEX3\9-12-97\DLH

F:\DATA\DWGS\96JOBS\6135CLIF\CLIFEX3 Fri Sep 12 14:01:05 1997

\DATA\DWGS\96JOBS\6135CLIF\CLIFEX4 Fri Sep 12 15:18:50 1997

UNSER DIVERSION

TRACT A
18.9694 AC

EXTRUDED ASPHALT CURB

STANDARD CURB & GUTTER

10'

20' WATERLINE EASEMENT

EXISTING 10' PUE
(02-21-96, 96C-77)

LOS VOLCANES ROAD NW (64' R/W)

EXTRUDED ASPHALT CURB

BLOCK 3

OLIVER ROSS ROAD NW

18" SD

SAUL SAIZ ROAD NW

BLOCK 1

BLOCK 2

BLUEWATER ROAD NW (68' R/W)

UNSER BOULEVARD NW (156' R/W)

EXISTING STORM DRAIN

N.W.

T.B.M.

24" SD

30" SD

100' 50' 0 100' 200'

N

6135CLIF\CLIFEX4\9-12-97\DLH

FIGURE 4

CLIFFORD WEST BUSINESS PARK
STORM DRAIN SCHEMATIC

APPENDIX A

HYDROLOGY

D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

PROJECT Tra Vista F.
SUBJECT Hydrology
BY DLH DATE 9-12-97
CHECKED _____ DATE _____
SHEET ___ OF ___

Summary of Approved Hydrology Criteria FOR

THE ATRISCO BUSINESS PARK MASTER DRAINAGE PLAN (K10/D23)

APPROVED 10-22-93

POCKET 1 FOR SCHEMATIC.

1. 100 YR - 24 HR. STORM
   RAINFALL TYPE 2
   $P_1 = 1.87$ $P_6 = 2.20"$ $P_{24} = 2.66"$
   $D_T = 0.05$
   SUBIBASIN 170.7 = 55 ACRES $\Rightarrow$ Qmax = 217.1 CFS
2. FOR SAD 214 REPORT Q max. allowable = 56.6 cfs

D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

PROJECT Clifford West B. Park
SUBJECT Hydrology
BY DLH DATE 9-12-97
CHECKED _____ DATE _____
SHEET ____ OF ____

Allowable Discharge Calculations

Q allowable = 56.6 cfs

Total Area Unit 1, 2, 3 = 52.1054 acres

$$\frac{56.6 \text{ cfs}}{52.1057} = 1.08625 \text{ cfs/acre}$$

Unit 1 + 2 33.13630 acres (1.08625 cfs/Ac) = 36.00 cfs

Tract A 18.9694 acres (1.08625 cfs/Ac) = 20.60 cfs

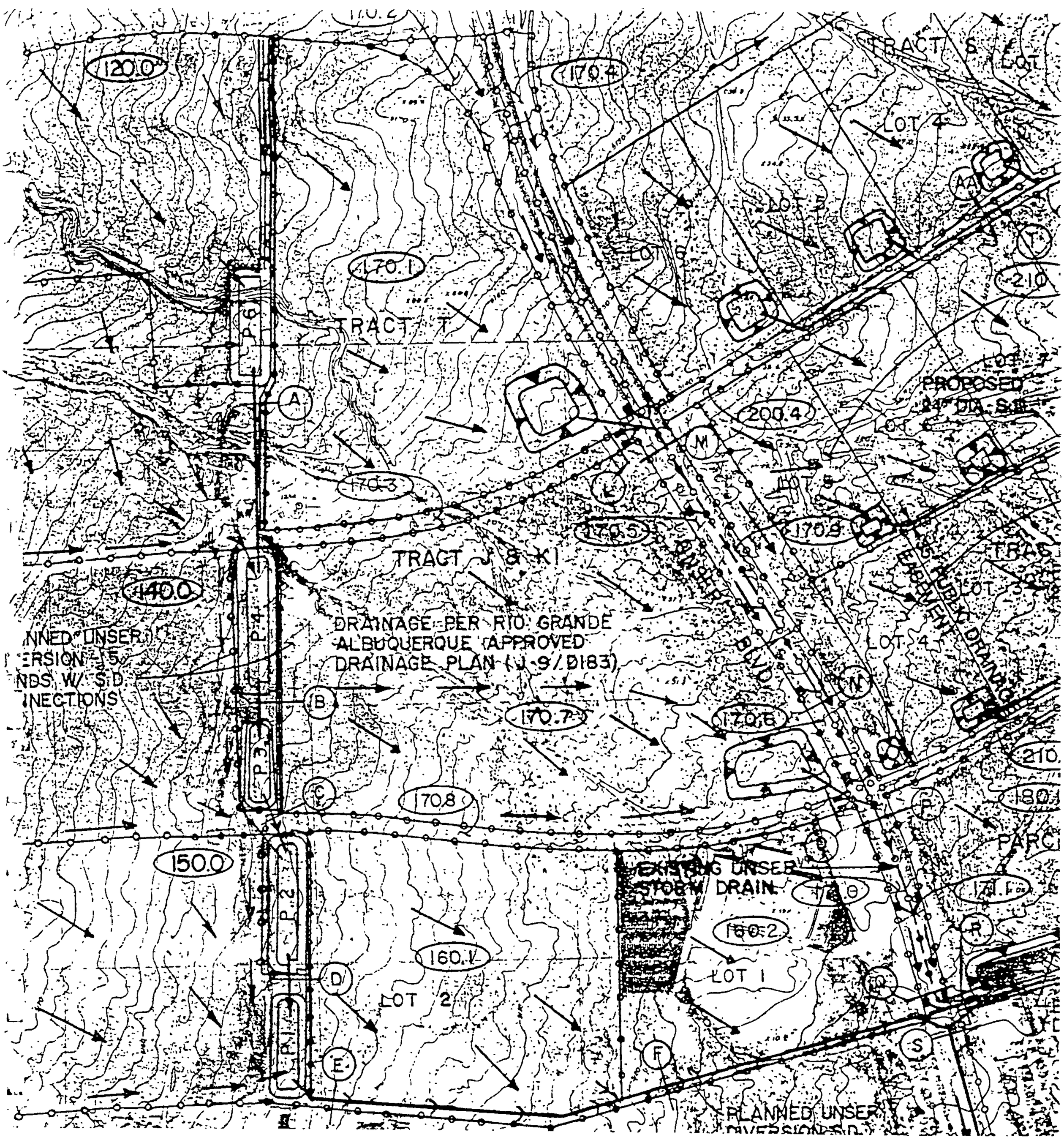
Summation of Discharge Allowed From All lots in Unit 1+2 =

36.00 cfs
− 7.88 cfs Oliver Ross Rd
− 4.24 cfs Saul Bell Rd.

Σ Qallowable all Lots Unit 1+2 → 23.88 cfs

Σ Lot Areas = 30.2563 ac.

$$Q_{allowable\ (lots)} = \frac{23.88 \text{ cfs}}{30.2563 \text{ ac}} = \boxed{0.789257 \text{ cfs/ac}}$$



FROM ATRISCO BUSINESS PARK MASTER DRAINAGE PLAN
COA DRAINAGE REPORT FILE (K10-D23)
APPROVED 10-22-93

```
START                   TIME=0.0
*****    CLIFFORD WEST BUSINESS PARK
*****    100-YEAR 6-HOUR STORM EVENT
*****    FILE: CLIFFEX.DAT  JULY 1997 BY:DLH
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                        RAIN ONE=1.90 IN RAIN SIX=2.20 IN
                        RAIN DAY=0.0 IN DT=0.0333 HR
*****
***** NORTH OFFSITE EXISTING CONDITIONS
*****
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                        PER A=100 PER B=0 PER C=0 PER D=0
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*****
***** LOS VOLCANES PAVED CONDITIONS
*****
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                        PER A=0 PER B=10 PER C=0 PER D=90
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
*****
***** SAUL BELL RD PAVED CONDITIONS
*****
COMPUTE NM HYD          ID=1 HYD NO=100.0 AREA=0.001572 SQ MI
                        PER A=0 PER B=10 PER C=0 PER D=90
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
*****
***** OLIVER ROSS RD PAVED CONDITIONS
*****
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                        PER A=0 PER B=10 PER C=0 PER D=90
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
*****
***** BLUEWATER PAVED CONDITIONS
*****
COMPUTE NM HYD          ID=1 HYD NO=100.0 AREA=0.004764 SQ MI
                        PER A=0 PER B=10 PER C=0 PER D=90
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
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AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR)
=09/11/1997
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M_GOODWN.I01

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START TIME= .00									
RAINFALL TYPE= 1									
RAIN6= 2.200									
COMPUTE NM HYD	100.00	-	1	.02532	21.53	.606	.44912	1.532	1.328 PER IMP= .00
COMPUTE NM HYD	100.00	-	1	.00204	5.48	.200	1.83780	1.499	4.209 PER IMP= 90.00
COMPUTE NM HYD	100.00	-	1	.00157	4.24	.154	1.83780	1.499	4.213 PER IMP= 90.00
COMPUTE NM HYD	100.00	-	1	.00293	7.88	.287	1.83780	1.499	4.205 PER IMP= 90.00
COMPUTE NM HYD	100.00	-	1	.00476	12.81	.467	1.83780	1.499	4.202 PER IMP= 90.00
FINISH									

APPENDIX B

STORM DRAIN

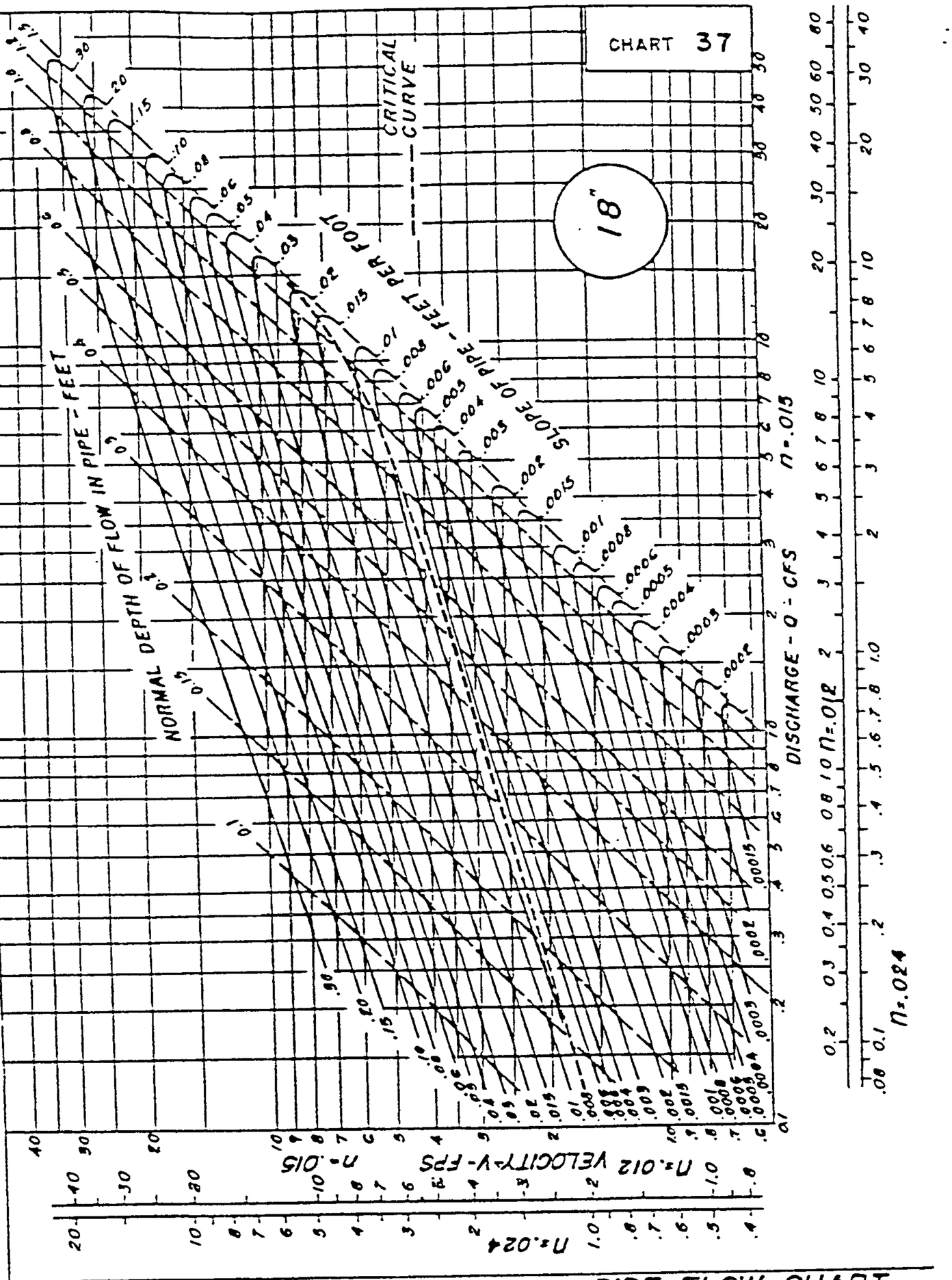
9-3-97

If drainage off of each lot requires an 18" SD directly into the main line, there will need to be a manhole at each service storm drain intersection with the main storm drain.

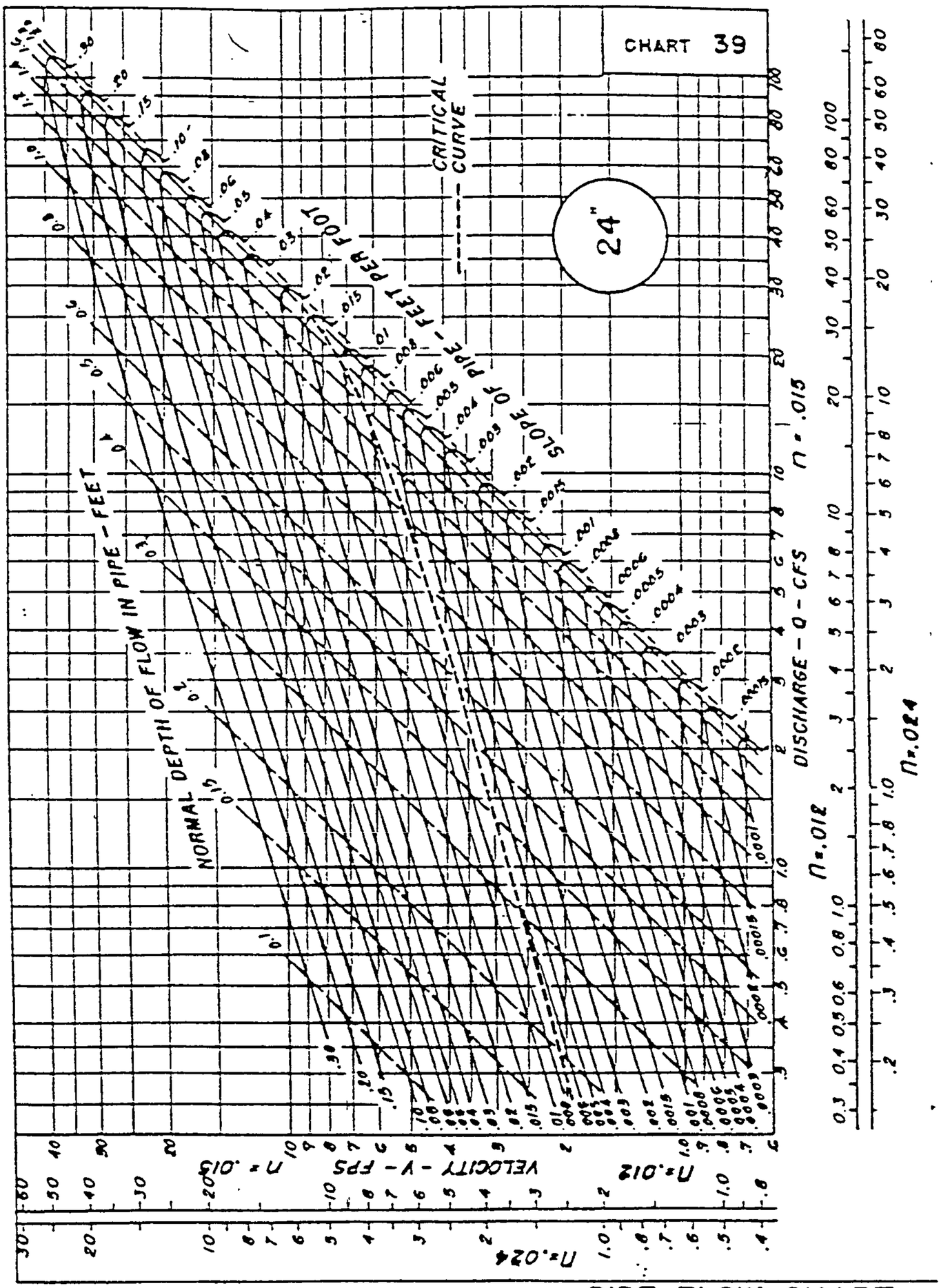
Steve Jurgens

For Clifford West Business Park
Grading & Drainage Plan

K-9/10

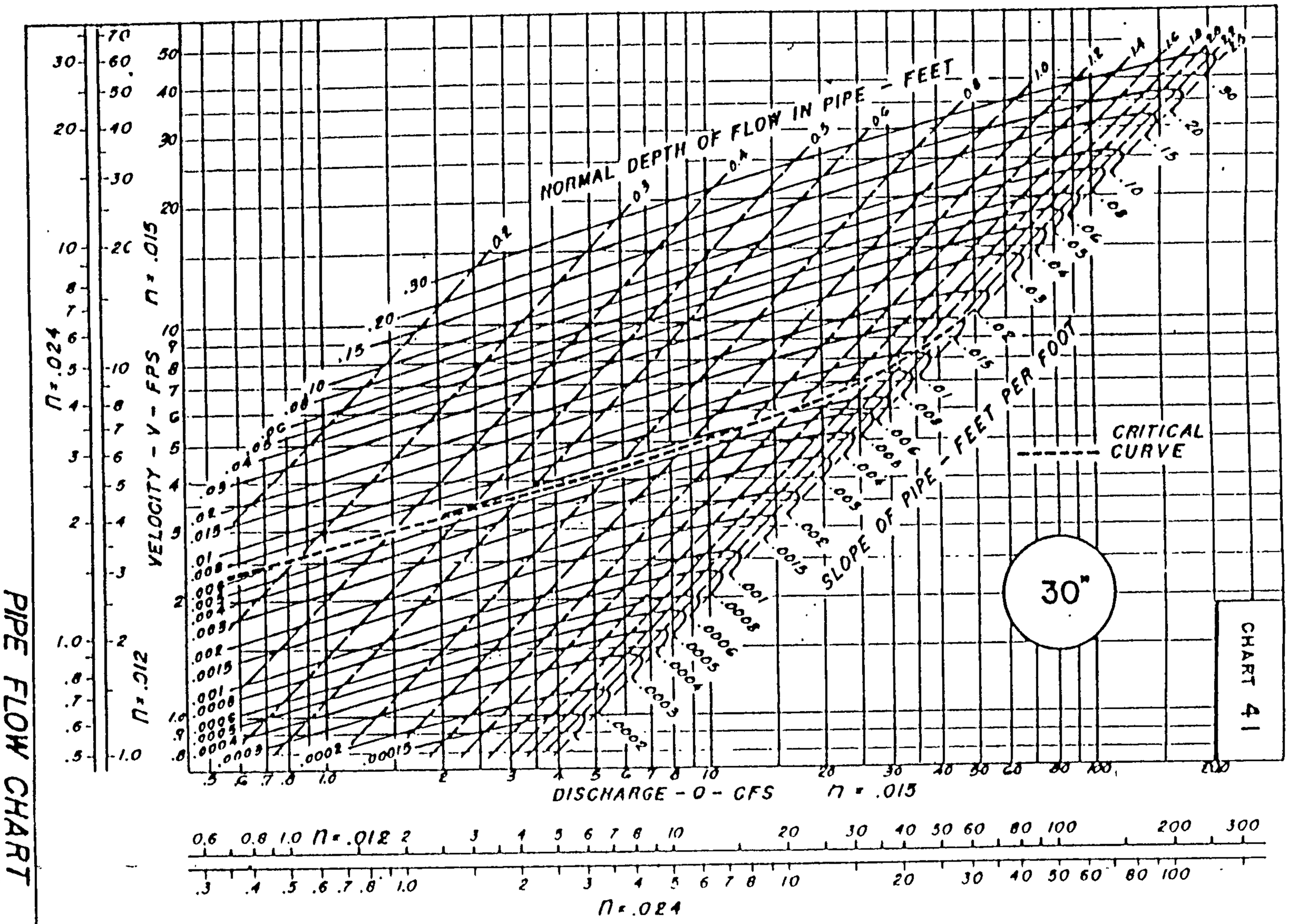


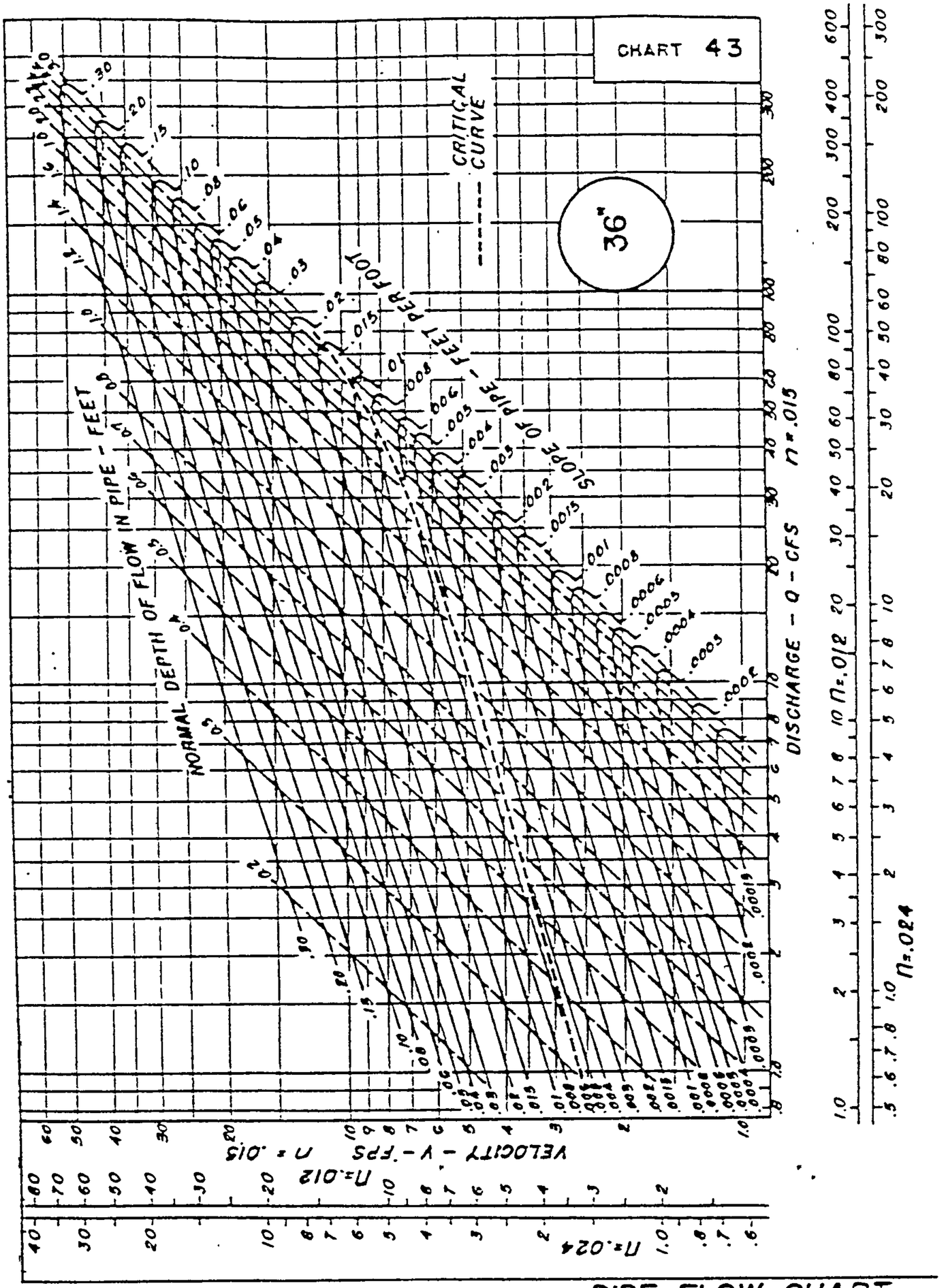
PIPE FLOW CHART
18-INCH DIAMETER



PIPE FLOW CHART
24-INCH DIAMETER

PIPE FLOW CHART
30-INCH DIAMETER





PIPE FLOW CHART
36-INCH DIAMETER

APPENDIX C

HYDRAULICS

1**********
****
* WATER SURFACE PROFILES *
*
* VERSION OF SEPTEMBER 1988 *
* THE HYDROLOGIC ENGINEERING CENTER *
* ERROR: 01,02 *
* 609 SECOND STREET, SUITE D *
* UPDATED: 4 APRIL 1989 *
* DAVIS, CALIFORNIA 95616-4687 *
* RUN DATE 9/11/97 TIME 20:52:46 *
* (916) 756-1104, (916) 551-1748 *
****
****

* U.S. ARMY CORPS OF ENGINEERS

X X XXXXXXX XXXXX XXXXX
X X X X X X
X X X X
X X X X
XXXXXXX XXXX X XXXXX XXXXX
X X X X X
X X X X X X
X X XXXXXXX XXXXX

XXXXXXX
END OF BANNER
1
9/11/97 20:52:46
PAGE 1

Los Volcanes Ditch

THIS RUN EXECUTED 9/11/97 20:52:46
****
HEC2 RELEASE DATED SEP 88 UPDATED APR 1989

ERROR CORR - 01,02
MODIFICATION -
****

T1 CLIFFORD WEST BUSINESS PARK
T2 V-DITCH ON LOS VOLCANES ROAD
T3 100-YEAR / 6-HOUR DESIGN STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	
WSEL	FQ								
	0	2	0	0	.01	0	0	0	0
	0								

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

43	1	2	26	4	68	3

NC	.025	.025	.025	.1	.3
QT	1	21.53			

```
 X1         1            4            0        10.0            0            0            0
  0            0            0
 GR       1.0            0            0         3.0            0          7.0          1.0
10.0
1
      9/11/97       20:52:46
                           PAGE     2

    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK
ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA
LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN
SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID
ENDST

 *PROF 1

 CCHV=      .100 CEHV=      .300
 *SECNO 1.000
 2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED
      1.00       .81       .81       .00       .00      1.08       .26       .00       .00
1.00
       22.        0.       22.        0.        0.        5.        0.        0.        0.
1.00
       .00       .00      4.11       .00      .000      .025      .000      .000       .00
.56
   .010039        0.        0.        0.         0         0         6       .00      8.88
9.44
0
1
      9/11/97       20:52:46
                           PAGE     3



THIS RUN EXECUTED  9/11/97     20:52:46
 **************************************************
   HEC2 RELEASE DATED SEP 88 UPDATED APR  1989


   ERROR CORR -  01,02
   MODIFICATION -
 **************************************************


 NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF
ERRORS LIST

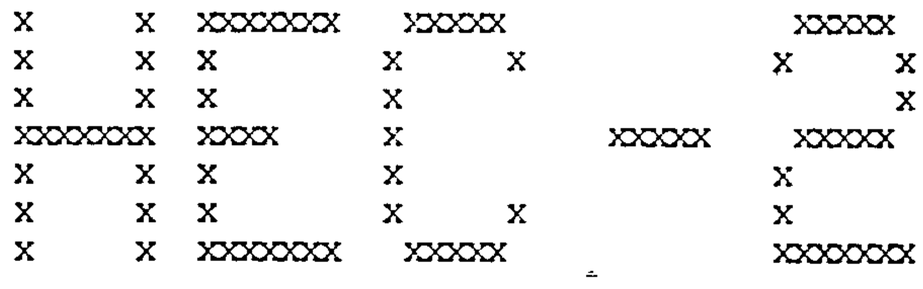
      100-YEAR / 6-HOUR DE

 SUMMARY PRINTOUT

         Q         CWSEL      CRIWS       VCH       TOPWID      FRCH        EG

       21.530        .81        .00       4.11       8.88        .94       1.08

1
      9/11/97       20:52:46
                           PAGE     4
```



THIS RUN

Street Capacities

END OF BANNER

EXECUTED 9/12/97 8:32: 8

```
**************************************************
 HEC2 RELEASE DATED SEP 88 UPDATED APR  1989


 ERROR CORR -  01,02
 MODIFICATION -
**************************************************


T1          OLIVER ROSS ROAD CAPACITY CALCULATIONS
T2          40'FF W/ 8" STD CURB SUB-CRITICAL FLOW
T3          FILE:40FFCLIF.DAT (100-YR 6-HR STORM)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0         2         0         1      .0154         0         0         0         0
0

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     43         1         2        26         4        68         3


NC     .017      .017      .017        .1        .3

QT        4      7.88      4.24     12.81      5.21

X1        1         9         0        60         0         0         0         0
    0         0
GR      1.0         0       .67       9.9         0        10      .125        12
  .40        30
GR     .125        48         0        50       .67      50.1       1.0        60
```



```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 1

CCHV=      .100 CEHV=      .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

3265 DIVIDED FLOW

     1.00       .31       .31       .33       .00       .40       .10       .00       .00      1.00
```

```
        8.        0.        8.        0.        0.        3.        0.        0.        0.      1.00
       .00       .00      2.50       .00      .000      .017      .000      .000       .00      9.95
   .015296        0.        0.        0.         0        23         7       .00     27.90     50.05
0
1
     9/12/97       8:32: 8
                   PAGE    3


 T1 SAUL BELL ROAD
 T2 100YR 6HR
 T3 40FF STD

 J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0         3         0         0       .006

 J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM
ITRACE
      2         0        -1         0         0         0         0         0         0
0

1
     9/12/97       8:32: 8
                   PAGE    4


     SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
     Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
     TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
     SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *PROF 2

 CCHV=      .100 CEHV=      .300
 *SECNO 1.000
 2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

 3265 DIVIDED FLOW

      1.00      .29       .29       .00       .00       .33       .03       .00       .00      1.00
        4.       0.        4.        0.        0.        3.        0.        0.        0.       1.00
       .00      .00      1.50       .00      .000      .017      .000      .000       .00      9.96
   .005931        0.        0.        0.         0         0         7       .00     26.29     50.04
0
1
     9/12/97       8:32: 8
                   PAGE    5


 T1 BLUEWATER
 T2 100YR 6HR
 T3 40FF STD

 J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0         4         0         1      .020

 J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM
ITRACE

      3         0        -1         0         0         0         0         0         0

1
     9/12/97       8:32: 8
                   PAGE    6
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 3

CCHV= .100 CEHV= .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

3265 DIVIDED FLOW

1.00	.34	.34	.39	.00	.49	.15	.00	.00	1.00
13.	0.	13.	0.	0.	4.	0.	0.	0.	1.00
.00	.00	3.10	.00	.000	.017	.000	.000	.00	9.95
.019969	0.	0.	0.	0	16	7	.00	32.13	50.05

0
1

T1 BLUEWATER
T2 100YR 6HR
T3 40FF STD

J1 ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
0	5	0	0	.005					

J2 NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM

ITRACE

4	0	-1	0	0	0	0	0	0

0

1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	GORAR	TOPWID	ENDST

*PROF 4

CCHV= .100 CEHV= .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

3265 DIVIDED FLOW

1.00	.32	.32	.00	.00	.35	.03	.00	.00	1.00
5.	0.	5.	0.	0.	4.	0.	0.	0.	1.00
.00	.00	1.48	.00	.000	.017	.000	.000	.00	9.95
.004981	0.	0.	0.	0	0	7	.00	29.60	50.05

0
1

THIS RUN

EXECUTED 9/12/97 8:32: 8

****

HEC2 RELEASE DATED SEP 88 UPDATED APR 1989

ERROR CORR - 01,02

MODIFICATION -

****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

FILE:40FFCLIF.DAT (1

SUMMARY PRINTOUT

Q	CWSEL	CRIWS	VCH	TOPWID	FRCH	EG
7.880	.31	.33	2.50	27.90	1.57	.40
4.240	.29	.00	1.50	26.29	1.00	.33
12.810	.34	.39	3.10	32.13	1.71	.49
5 210	.32	.00	1.48	29.60	.88	.35

SUMMARY OF ERRORS AND SPECIAL NOTES

```
1*************************************************************
*****************************************
 *  WATER SURFACE PROFILES                                  *                                  *
U.S. ARMY CORPS OF ENGINEERS       *
 *  VERSION OF SEPTEMBER 1988                               *                                  *
THE HYDROLOGIC ENGINEERING CENTER  *
 *  ERROR: 01,02                                            *                                  *
609 SECOND STREET, SUITE D         *
 *  UPDATED:  4 APRIL    1989                               *                                  *
DAVIS, CALIFORNIA 95616-4687       *
 *  RUN DATE     9/12/97   TIME   11:48:41                  *                                  *
(916) 756-1104, (916) 551-1748     *
 ************************************************************
*****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X         X     X           X     X
X     X  X         X                       X
XXXXXXX  XXXX      X          XXXXX    XXXXX
X     X  X         X                   X
X     X  X         X     X             X
X     X  XXXXXXX   XXXXX               XXXXXXX
```

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 END OF BANNER
1
     9/12/97      11:48:41
                 PAGE    1
```

TEMPORARY SWALE

THIS RUN

LOS VOLCANES RD.

```
EXECUTED  9/12/97    11:48:41
 ************************************************
   HEC2 RELEASE DATED SEP 88 UPDATED APR  1989


   ERROR CORR -  01,02
   MODIFICATION -
 ************************************************


 T1          CLIFFORD WEST BUSINESS PARK
 T2          V-DITCH ON LOS VOLCANES ROAD
 T3          100-YEAR / 6-HOUR DESIGN STORM

 J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0         2         0         0       .008        0         0         0         0
0

 J3  VARIABLE CODES FOR SUMMARY PRINTOUT

      43        1         2        26         4        68         3


 NC     .025      .025      .025       .1        .3

 QT        1     21.53

 X1        1         4         0      12.0         0         0         0         0
    0         0
 GR      1.0         0         0       3.0         0       9.0       1.0      12.0

1
     9/12/97      11:48:41
                 PAGE    2
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR .	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= .100 CEHV= .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

1.00	.73	.73	.00	.00	.93	.20	.00	.00	1.00
22.	0.	22.	0.	0.	6.	0.	0.	0.	1.00
.00	.00	3.62	.00	.000	.025	.000	.000	.00	.82
.008012	0.	0.	0.	0	0	6	.00	10.36	11.18

0
1

EXECUTED 9/12/97 11:48:41

****
HEC2 RELEASE DATED SEP 88 UPDATED APR 1989

ERROR CORR - 01,02
MODIFICATION -
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100-YEAR / 6-HOUR DE

SUMMARY PRINTOUT

Q	CWSEL	CRIWS	VCH	TOPWID	FRCH	EG
21.530	.73	.00	3.62	10.36	.84	.93

1

SUMMARY OF ERRORS AND SPECIAL NOTES

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= .100 CEHV= .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

1.00	.73	.73	.00	.00	.93	.20	.00	.00	1.00
22.	0.	22.	0.	0.	6.	0.	0.	0.	1.00
.00	.00	3.62	.00	.000	.025	.000	.000	.00	.82
.008012	0.	0.	0.	0	0	6	.00	10.36	11.18

0
1

EXECUTED 9/12/97 11:48:41
****
HEC2 RELEASE DATED SEP 88 UPDATED APR 1989

ERROR CORR - 01,02
MODIFICATION -
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100-YEAR / 6-HOUR DE

SUMMARY PRINTOUT

Q	CWSEL	CRIWS	VCH	TOPWID	FRCH	EG
21.530	.73	.00	3.62	10.36	.84	.93

1

SUMMARY OF ERRORS AND SPECIAL NOTES

CITY OF ALBUQUERQUE

January 17, 2008

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

Re: Jimmy Carter Middle School—Track & Field, Grading/Drainage Plan, Engineer's Stamp, 02/19/2008 (K-09/D013)

Mr. Mortensen,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan, received on 12-12-08,for the above referenced plan. It will be placed in the project file

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

Sincerely,

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

C: file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

HMCG 2006.183.9

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: JIMMY CARTER MS TRACK & FIELD ZONE ATLAS/DRNG. FILE #K9 D13
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A-1, CLIFFORD WEST BUSINESS PARK, UNIT 2
CITY ADDRESS: 8901 BLUEWATER ROAD NW, 87121

ENGINEERING FIRM:	HIGH MESA CONSULTING GROUP.	CONTACT:	JEFF MORTENSEN
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
OWNER:	ALBUQUERQUE PUBLIC SCHOOLS	CONTACT:	JOHN MAZZOLA
ADDRESS:	915 OAK STREET SE	PHONE:	505-362-2663
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87106
ARCHITECT:	N/A	CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	HIGH MESA CONSULTING GROUP (NMPS 11184)	CONTACT:	CHARLES G. CALA, JR
ADDRESS:	6010-B MIDWAY PARK BLVD. NE	PHONE:	(505) 345-4250
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87109
CONTRACTOR:	WESTWIND LANDSCAPE CONSTRUCTION	CONTACT:	KEVIN NEEL
ADDRESS:	2739 VASSAR PLACE NE	PHONE:	881-8925
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87107

TYPE OF SUBMITTAL:
- ___ DRAINAGE REPORT
- ___ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- ___ DRAINAGE PLAN RESUBMITTAL
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- ___ GRADING PLAN
- ___ EROSION CONTROL PLAN
- X ENGINEER'S CERTIFICATION (HYDROLOGY)
- ___ CLOMR/LOMR
- ___ TRAFFIC CIRCULATION LAYOUT (TCL)
- ___ ENGINEER'S CERTIFICATION (TCL)
- ___ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
- ___ OTHER - SO#19

CHECK TYPE OF APPROVAL SOUGHT:
- ___ SIA/FINANCIAL GUARANTEE RELEASE
- ___ PRELIMINARY PLAT APPROVAL
- ___ S. DEV. PLAN FOR SUB'D APPROVAL
- ___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ___ SECTOR PLAN APPROVAL
- ___ FINAL PLAT APPROVAL
- ___ FOUNDATION PERMIT APPROVAL
- ___ BUILDING PERMIT APPROVAL
- ___ CERTIFICATE OF OCCUPANCY (PERM.)
- ___ CERTIFICATE OF OCCUPANCY (TEMP.)
- ___ GRADING PERMIT APPROVAL
- ___ PAVING PERMIT APPROVAL
- ___ WORK ORDER APPROVAL
- X OTHER (SPECIFY) DRAINAGE REQ'MENTS

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

DEC 12 2008
HYDROLOGY SECTION

DATE SUBMITTED: 12/12/2008 BY: JEFFREY G. MORTENSEN

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

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