City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 1,1998

Shahab Biazar
Advanced Engineering & Consulting
10209 Snowflake Ct. NW
Albuquerque, New Mexico 87114

RE: DRAINAGE PLAN FOR THALIA'S CARRY OUT RESTAURANT (L14-D46)
ENGINEER'S STAMP DATED 11/1/98

Dear Mr. Biazar:

Based on the information provided on your November 30,1998 submittal, the above referenced site is approved for Building Permit.

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

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

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

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya

Bernie J. Montoya CE
Associate Engineer

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

DRAINAGE INFORMATION SHEET

PROJECT TITLE: *Thalia's Carry Out Restaurant* ZONE ATLAS/DRNG. FILE #: *L-14-Z* D46

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

LEGAL DESCRIPTION: *Lot 2, Block 38, Eastern Sunshine Addition*

CITY ADDRESS: *1402 Broadway SE, Albuquerque NM*

ENGINEERING FIRM: *Advanced Engineering and Consulting* CONTACT: *Shahab Biazar*

ADDRESS: *10209 Snowflake Ct. NW, Alb., NM 87114* PHONE: *(505) 899-5570*

OWNER: *Ruben Dorado* CONTACT: *Ruben Dorado*

ADDRESS: *1725 Gerald SE Albuquerque NM 87106* PHONE: *(505)243-4846*

ARCHITECT: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ 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

CHECK TYPE OF APPROVAL SOUGHT:

- ___ SKETCH PLAN 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
- X GRADING PERMIT APPROVAL
- ___ PAVING PERMIT APPROVAL
- ___ S. A. D. DRAINAGE REPORT
- ___ DRAINAGE REQUIREMENTS
- X *Paving Permit*

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NOV 30 1998
HYDROLOGY SECTION

DATE SUBMITTED: *11/09/98*

BY: *Shahab Biazar, P.E.*

ADVANCED ENGINEERING and CONSULTING

Consulting
Design
Development
Management

November 09, 1998

Mr. Bernie Montoya
City of Albuquerque
Hydrology Department
Post Office Box 1293
Albuquerque, NM 87103

RE: Thalia's Carry Out Restaurant

Dear Mr. Montoya:

Advanced Engineering and Consulting on Behalf of Ruben Dorado has prepared the grading and drainage plan for the purpose of building permit and paving permit. The site is located at the southeast corner of Broadway Boulevard and Avenida Cesar Chavez. This tract contains an existing building and a shed. The owners are proposing to remodel the existing building and provide some parking spaces and some new landscaping. They are also proposing to pave the Alley way.

There are two existing buildings to the east and south side of this tract. The offsite runoff drains north to the Alley and then west to Broadway Boulevard. The offsite runoff from the south drains east to Broadway Boulevard. The site, under the existing conditions, with a 100-year runoff of 0.76 cfs drains east to Broadway Boulevard. Under the proposed condition, the runoff pattern will remain the same and will discharge at runoff rate of 0.95 cfs to Broadway Boulevard. See attached AHYMO output files for runoff calculations.

Please contact me if there are any questions or concerns regarding this submittal.

Sincerely yours,

Shahab Biazar, P.E.

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NOV 30 1998
HYDROLOGY SECTION

10209 Snowflake Court N.E., Albuquerque, N.M. 87114 PH/FAX (505) 899-5570 PAGER (505) 460-2188

```
*
* ZONE 2 (THALIA'S CARRY OUT RESTAURANT)
*
*****************************************************************
*        100-YEAR,  6-HR STORM (UNDER PROPOSED CONDITIONS)      *
*****************************************************************
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.01 IN RAIN SIX=2.35 IN
                     RAIN DAY=2.75 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.0 AREA=0.000347 SQ MI
                     PER A=0.00 PER B=15.00 PER C=10.00 PER D=75.00
                     TP=0.1333 HR MASS RAINFALL=-1
*
*****************************************************************
*         10-YEAR,  6-HR STORM (UNDER PROPOSED CONDITIONS)      *
*****************************************************************
*
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.34 IN RAIN SIX=1.57 IN
                     RAIN DAY=1.83 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.0 AREA=0.000347 SQ MI
                     PER A=0.00 PER B=15.00 PER C=10.00 PER D=75.00
                     TP=0.1333 HR MASS RAINFALL=-1
*****************************************************************
*        100-YEAR,  6-HR STORM (UNDER EXISITNG CONDITIONS)      *
*****************************************************************
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.01 IN RAIN SIX=2.35 IN
                     RAIN DAY=2.75 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.0 AREA=0.000347 SQ MI
                     PER A=0.00 PER B=10.00 PER C=72.90 PER D=17.10
                     TP=0.1333 HR MASS RAINFALL=-1
*
*****************************************************************
*         10-YEAR,  6-HR STORM (UNDER EXISTING CONDITIONS)      *
*****************************************************************
*
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.34 IN RAIN SIX=1.57 IN
                     RAIN DAY=1.83 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.0 AREA=0.000347 SQ MI
                     PER A=0.00 PER B=10.00 PER C=72.90 PER D=17.10
                     TP=0.1333 HR MASS RAINFALL=-1
*
FINISH
```

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HYDROLOGY SECTION

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/01/1998

PAGE = 1

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION	
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	2.350
COMPUTE NM HYD	101.00	-	1	.00035	.95	.034	1.81228	1.500	4.260	PER IMP=	75.00
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	1.570
COMPUTE NM HYD	101.00	-	1	.00035	.59	.020	1.09288	1.500	2.674	PER IMP=	75.00
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	2.350
COMPUTE NM HYD	101.00	-	1	.00035	.76	.023	1.25547	1.500	3.402	PER IMP=	17.10
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	1.570
COMPUTE NM HYD	101.00	-	1	.00035	.42	.012	.62249	1.500	1.896	PER IMP=	17.10
FINISH											

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HYDROLOGY SECTION

FIGURE 6

CITY OF ALBUQUERQUE

NOTICE OF D.R.C. MEETING

12-10-98

(DATE)

DRB NO: N/A

PROJECT NO: 604681

ZONE ATLAS: L-14 D46

PROJECT NAME: Thalia's Carry Out

LOCATION: Broadway & Avenida Cesar Chavez, Alley, Paving

TYPE OF PROJECT: AHBA X CIP ____ PWC ____ SAD ____ ALL PRIVATE ____

Contact Person: Shahab Biazar **Phone:** 899-5570

Firm: Tierra West

X Scheduled with the D.R.C. on 12-15-98 at 2:00 Plaza Del Sol/2nd Fl.

____ No DRC Meeting Scheduled. Please return any comments by _____

The Project Is Scheduled For:

/ / Design Report Review / / Final Plan Review

/ / Pre-Design Meeting / / Signoff of Plans

/X/ Preliminary Plan Review / / _____

The Project Relates To:

/ / Water / / San. Sewer /X/ Paving / / Storm Drainage / / _____

The Attached Package Includes:

/D/ Drawings /S/ Spec's /E/ Estimate /R/ Report /M/ Memo Only

Indicated below are the Departments/Divisions that have received project documents and/or are invited to attend. It will be the Project Managers responsiblity to notify consulting engineering firms of date and time of scheduled meetings.

/D/ DRC Chairman	Project Review Section	All Drawings
/D/ Traffic Repres	Transportation Development	All Drawings
/D/ Utility Dev.(Bob Kane)	Utility Design	All AHBA Drawings
/ / Utility Dev.(Keith Reed)	Utility Design	All CIP Drawings
/D/ Hydro Repres.	Hydrology	All Drawings
/D/ Const. Repres.	Construction	All Drawings
/D/ Ray Chavez	Traffic Operations	All Drawings
/D/ Sergio Miranda	Water (Shutoff Plan)	All Water Shutoff
/D/ CIP/Parks Repres.	Parks & Recreation	ALL Landscaping
/ / Andre Houle	Street Maintenance	All Paving
/ / Kevin Broderick	Utility Coordinator	ALL PWC & CIP
/ / Jim Hamel	Transit Department	CIP/Memo
/ / Joe Luehring	Construction Coordinator	CIP/Memo
/ / Jim Fink	Line Maintenance	CIP & SAS/Memo
/ / George Gee	City Architect	Arch. Drawings
/ / Lee Lunsford	SAD Engineer	SAD/Memo
/ / Tom Ellis	Park Mangement	Parks/Community Ctrs/APS
/ / Gene Bustamante	General Services Dept.	Arch. Drawings
/ / Greg Smith	PWD/Legal	Specs & Dwgs.
/ / Richard Sertich	Planning Department	CIP/Memos
/ / CIP Project Manager	CIP	CIP/Memos
/ / Donald Bartlett	Risk Management	Arch. Drawings
/ / _____	_____	_____

DRCNOTIC. 10/19/95

CITY OF ALBUQUERQUE

April 2, 2010

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

Re: Alamosa Elem. School Kindergarten Add., 6500 Sunset Gardens Rd. SW,
Request for Permanent C.O.—Approved
Engineer's Stamp dated: 09-03-08 (L-14/D047)
Certification dated: 4-01-10

Dear Mr. Mortensen,

Based upon the information provided in the Certification received 4-02-10, the above referenced Certification is approved for a release of a Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

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

C: CO Clerk—Katrina Sigala
File

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

HMCG 2008.021.2_

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: ALAMOSA ES KINDERGARTEN ADDITION ZONE ATLAS/DRNG. FILE #:L11 D14
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A, ALAMOSA ELEMENTARY SCHOOL
CITY ADDRESS: 6500 SUNSET GARDENS ROAD SW, ALBUQUERQUE, NM 87105

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 MAZOLLA, CM
ADDRESS: 915 OAK STREET SE PHONE: 362-2663
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87106

ARCHITECT: PA ARCHITECTS CONTACT: NANCY BARTLETT
ADDRESS: 12400 MENAUL NE PHONE: 275-3890
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87112

SURVEYOR: HIGH MESA CONSULTING GROUP (NMPS 15075) CONTACT: JOSEPH M. SOLOMON
ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: LOCKWOOD CONSTRUCTION CONTACT: OWNER
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 - 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
X CERTIFICATE OF OCCUPANCY (PERM.)
___ CERTIFICATE OF OCCUPANCY (TEMP.)
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ WORK ORDER APPROVAL
___ OTHER (SPECIFY) DRAINAGE REQ'MENT

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APR 02 2010
HYDROLOGY SECTION

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

DATE SUBMITTED: 04/02/2010 BY: JEFFREY G. MORTENSEN
XC: NANCY BARTLETT W/ MYLAR COPIES; JOHN MAZOLLA W/ PRINT

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

February 1, 2010

Shary R. Adams, R.A.
Studio Southwest Architects, Inc.
2101 Mountain Rd. NW
Albuquerque, NM 87104

Re: Barelas Job Opportunity Center, 1309 4th Street SW
Permanent Certificate of Occupancy – Transportation Development
DRB Project Number 1004166 (L14-D047)
Certification dated 02-01-10

Dear Ms. Adams,

Based upon the information provided in your submittal received 02-01-10, Transportation Development has no objection to the issuance of a Permanent Certificate of Occupancy. This letter serves as a "green tag" from Transportation Development for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

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

Sincerely,

Kristal D. Metro, P.E.
Traffic Engineer, Planning Dept.
Development and Building Services

C: CO Clerk
File

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

L-14/D047

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: BARELAS JOB OPPORTUNITY CENTER ZONE MAP/DRG. FILE # L-14
DRB#: 1004166 EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: TRACT A, ALBUQUERQUE HISPANO CHAMBER OF COMMERCE
CITY ADDRESS: 1309 4TH STREET SW, ALBUQERQUE NM 87102-4399

ENGINEERING FIRM: D. MARK GOODWIN & ASSOCIATES
ADDRESS: P O BOX 90606
CITY, STATE: ALBUQUERQUE NM
CONTACT: JOHN MACKENZIE
PHONE: (505) 828-2200
ZIP CODE: 87199-0606

OWNER: ALBUQUERQUE HISPANO CHAMBER OF COMMERCE
ADDRESS: 1309 4TH STREET SW
CITY, STATE: ALBUQUERQUE NM
CONTACT: SANDRA LEYBA
PHONE: (505) 842-9003
ZIP CODE: 87102-4399

ARCHITECT: STUDIO SOUTHWEST ARCHITECTS, INC.
ADDRESS: 2101 MOUNTAIN ROAD NW SUITE A
CITY, STATE: ALBUQUERQUE NM
CONTACT: SHARY ADAMS
PHONE: (505) 843-9639
ZIP CODE: 87104-1468

SURVEYOR: D. MARK GOODWIN & ASSOCIATES
ADDRESS: P O BOX 90606
CITY, STATE: ALBUQUERQUE NM
CONTACT: JOHN MACKENZIE
PHONE: (505) 828-2200
ZIP CODE: 87199-0606

CONTRACTOR: THIAGO CONSTRUCTION
ADDRESS: 8421 WASHINGTON PLACE NE
CITY, STATE: ALBUQUERQUE NM
CONTACT: BROOK HENDERSON
PHONE: (505) 856-1800
ZIP CODE: 87113-1672

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL
- ____ DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL G & D PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERT (HYDROLOGY)
- ____ CLOMR/LOMR
- X TRAFFIC CIRCULATION LAYOUT
- ____ ENGINEER/ARCHITECT CERT (TCL)
- ____ ENGINEER/ARCHITECT (DRB SITE PLAN)
- ____ OTHER

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

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HYDROLOGY SECTION

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

SUBMITTED BY: SHARY ADAMS, AIA, LEED AP DATE: JANUARY 26, 2010

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

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.

2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.

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

STUDIO SW ARCHITECTS

Studio Southwest Architects Inc.

TRAFFIC CERTIFICATION

I, SHARY ADAMS, NMRA NO. 3473, OF THE FIRM STUDIO SOUTHWEST ARCHITECTS, INC., HEREBY CERTIFY THAT THIS PROJECT IS IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE DRB APPROVED PLAN DATED APRIL 9, 2009. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY SHARY ADAMS OF THE FIRM STUDIO SOUTHWEST ARCHITECTS, INC. I FURTHER CERTIFY THAT I HAVE PERSONNALLY VISITED THE PROJECT SITE ON JANUARY 25, 2010 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY (PERMANENT).

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE TRAFFIC ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Signature of Architect

2/01/2010
Date

STATE OF NEW MEXICO
SHARY R. ADAMS
NO. 3473
REGISTERED ARCHITECT

2.1.10

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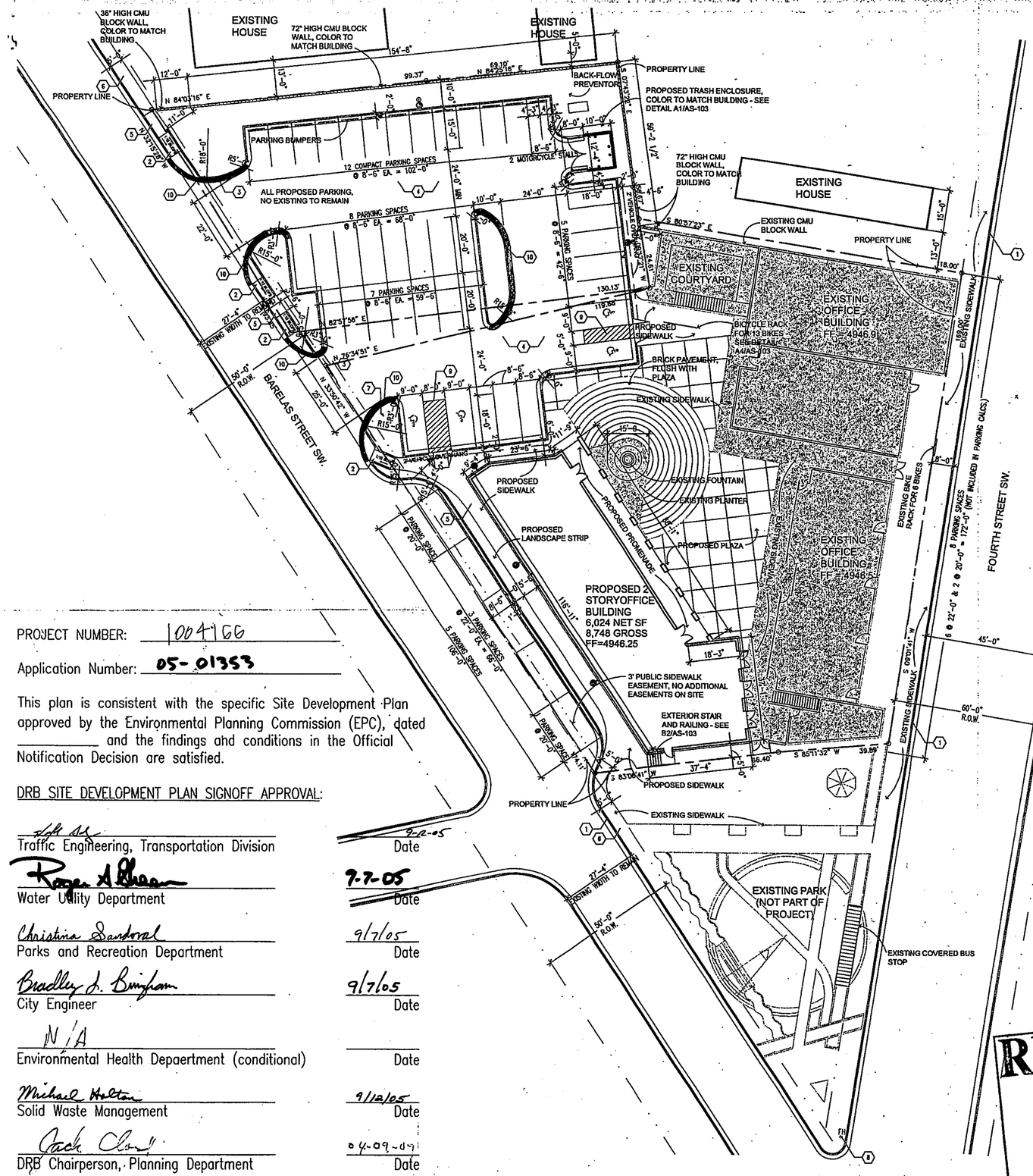
FEB - 2 2010
HYDROLOGY SECTION

Albuquerque
2101 Mountain Road NW
Albuquerque, NM 87104
T 505.843.9639
F 505.843.9683
mail@studioswarch.com

Santa Fe
130 Grant Avenue, Suite 102
Santa Fe, NM 87501
T 505.982.7191
F 505.992.0585
mail@studioswarch.com

www.studioswarch.com



A1 ARCHITECTURAL SITE PLAN
SCALE: 1" =20'-0"

NORTH

0 10' 20' 40'

PROJECT NUMBER: 1004166

Application Number: 05-01353

This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC), dated _____ and the findings and conditions in the Official Notification Decision are satisfied.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

Traffic Engineering, Transportation Division	9-12-05 Date
Water Utility Department	9-7-05 Date
Parks and Recreation Department	9/7/05 Date
City Engineer	9/7/05 Date
Environmental Health Depaertment (conditional)	N/A Date
Solid Waste Management	9/12/05 Date
DRB Chairperson, Planning Department	09-09-05 Date

CM - 9/9/05

NOTES:

1. EXISTING CURB AND GUTTER.
2. NEW UNIDIRECTIONAL WHEELCHAIR RAMP PER COA STD. DWG. #2426.
3. NEW ENTRANCE PER COA STANDARD DRAWING #2426.
4. NEW ASPHALT PAVING AREA.
5. NEW SIDEWALKS PER COA STANDARD DRAWING #2430.
6. EXISTING SIDEWALK.
7. INSTALL PARKING SIGN, SEE DETAIL C3/AS-103
8. EXISTING FIRE HYDRANT
9. HANDICAP PARKING STALLS – SEE DETAIL D3/AS-103
10. FIRE LANE, NO PARKING STRIPPING

PARKING CALCULATIONS:

1:200 NET LEASE 1ST FLOOR
1:300 NET LEASE 2ND FLOOR

EXISTING BUILDING NET SF:
FIRST FLOOR - 5200 SF/ 200 = 26
SECOND FLOOR - 3000 SF/ 300 = 10

NEW BUILDING NET SF:
FIRST FLOOR - 2581 SF/ 200 = 12.905
SECOND FLOOR - 3443 SF/ 300 = 11.477

TOTAL REQUIRED SPACES:
60.382 - 15% = 51.32
52 TOTAL SPACES REQUIRED
4 HC SPACES REQUIRED
1 BIKE SPACE PER 20 PARKING =
3 SPACES REQUIRED

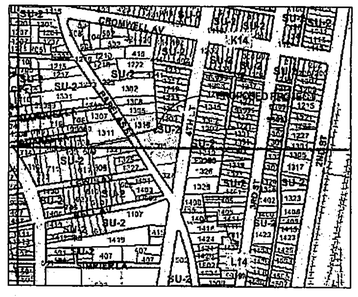
TOTAL PROVIDED SPACES:
28 STANDARD SPACES
12 SMALL CAR SPACES
4 HC SPACES
44 TOTAL CAR SPACES PROVIDED (PER VARIANCE #05EPC00751,2,3 & #05ZHE-01065)
12 BIKE SPACES PROVIDED
2 MOTORCYCLE SPACES PROVIDED

LAND USE CALCULATIONS

LEGAL DESCRIPTION:	COMBINED TRACT A AND TRACT 2 MAP #41
PROPOSED USE:	OFFICE SPACE
BUILDING SQ. FOOTAGE:	
EXISTING GROSS SF:	12,941 SF
PROPOSED GROSS SF:	8,748 SF
TOTAL GROSS SF:	21,689 SF
EXTERIOR CANOPIES SF:	760 SF
EXISTING LAND AREA:	29,429 SF (.676 ACRES)
PROPOSED LAND AREA:	12,253 SF (.281 ACRES)
TOTAL LAND AREA:	43,058 SF (.988 ACRES)
PROPOSED BUILDING FOOTPRINT TOTAL:	14,863 SF
TOTAL LOT AREA LESS BUILDING AREA:	28,195 SF
TOTAL PARKING LOT AREA:	14,892 SF
TOTAL LANDSCAPE AREA:	4,481 SF
TOTAL LANDSCAPE PERCENTAGE:	16%

LEGEND:

EXISTING STRUCTURE TO REMAIN


CROMWELL AV
SU-2
SU-2
SU-2

CITY OF ALBUQUERQUE

January 20, 2010

John M. MacKenzie, P.E.
Mark Goodwin & Associates, P.A.
P.O. Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW,
Request for Permanent C.O.—Approved
Engineer's Stamp dated: 09-04-08 (L-14/D047)
Certification dated: 1-19-10

Dear Mr. MacKenzie,

Based upon the information provided in the Certification received 1-19-10, the above referenced Certification is approved for a release of a Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

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

C: CO Clerk—Katrina Sigala
File

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

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

PROJECT TITLE: Barelas Job Center
DRB #: _____ EPC#: _____

ZONE MAP/DRG. FILE #: L-14/D047
WORK ORDER#: _____

LEGAL DESCRIPTION: Tract A, Albuquerque Hispano Chamber of Commerce
CITY ADDRESS: 1316 Barelas St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, PA
ADDRESS: PO Box 90606
CITY, STATE: Albuquerque, NM

CONTACT: John MacKenzie, PE
PHONE: 828-2200
ZIP CODE: 87199

OWNER: Albuquerque Hispano Chamber of Commerce, Inc.
ADDRESS: 1309 4th St.
CITY, STATE: Albuquerque, NM

CONTACT: _____
PHONE: _____
ZIP CODE: 87106

ARCHITECT: Studio SW
ADDRESS: 2101 Mountain Road NW
CITY, STATE: Albuquerque, NM

CONTACT: Tony Rivera
PHONE: 505.843.9639
ZIP CODE: 87102

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

RECEIVED
JAN 19 2010
HYDROLOGY SECTION

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 01-19-10

BY: John MacKenzie

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.

Dave Ellin, AIA
Project Architect/Manager

Studio Southwest Architects Inc.
2101 Mountain Road NW • Albuquerque, NM 87104
505.843.9639 phone • 505.843.9683 fax
dellin@studioswarch.com
www.studioswarch.com

STUDIO SW ARCHITECTS

CITY OF ALBUQUERQUE

November 14, 2008

Shary R. Adams, R.A.
Studio Southwest Architects, Inc.
2101 Mountain Rd. NW
Albuquerque, NM 87104

Re: Barelas Job Opportunity Center, 1309 4th Street SW, Traffic Circulation Layout Architect's Stamp dated 9-05-08 (L-14/D047)

Dear Ms. Adams,

Based upon the information provided in your submittal received 11-04-08, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

1. The placement of any on-street parking requires approval from Traffic Operations (contact Kevin Broderick, 857-8693). This approval must be received prior to showing on street parking on the plan.
2. To receive credit for on-street parking to count towards your required on-site parking, a separate application is required (see City of Albuquerque Zoning Code, Section 14-16-3-1(E)(6)(d)). Please amend your plan accordingly.
3. List radii for all curves shown; for passenger vehicles, the minimum end island radius is 15 feet.
4. Please show the location of the nearest driveway on the adjacent lot.
5. Clarify the extents of the existing sidewalk along Barelas Street.
6. Please include two copies of the traffic circulation layout at the next submittal.
7. The minimum drive pad width on a local roadway is 25 feet.
8. Keyed note 15 shows a pedestrian gate. How wide is this gate?
9. Please ensure all ramps are ADA compliant. Provide details.
10. A six-foot wide, ADA accessible, pedestrian pathway is required from public roadway to the building. Show this pathway on the plan. Provide details.
11. Include a detail for all wheelchair ramps.
12. Label the compact parking spaces by placing the words "compact" on the pavement of each space.
13. Keyed Notes 11 and 22 require additional details. These details must be provided with this submittal.
14. All public sidewalk located outside the Right-of-Way will require a public sidewalk easement. Include a copy of the recorded sidewalk easement with your next submittal.
15. All ramps located within the City of Albuquerque right-of-way must have truncated domes.

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

Sincerely,

Kristal D. Metro, P.E.
Traffic Engineer, Planning Dept.
Development and Building Services

C: File

See DRB - 1004166 Site Plan Controlled

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: Barelas Job Opportunity Center ZONE MAP: L-14/D047

DRB#: — EPC#: WORK ORDER#:

LEGAL DESCRIPTION:

CITY ADDRESS:

ENGINEERING FIRM: Mark Goodwin & Associates CONTACT: John Mackenzie
ADDRESS: 8916 Adams St. N.E. PHONE: 828-2200
CITY, STATE: Abq. NM 87113 ZIP CODE:

OWNER: Albuquerque Hispano Chamber of Commerce CONTACT: Rick Tafoya
ADDRESS: 1309 4th St. S.W. PHONE:
CITY, STATE: Albuquerque, N.M. 87102 ZIP CODE:

ARCHITECT: Studio Southwest Architects Inc. CONTACT: Tony Rivera
ADDRESS: 2101 Mountain Rd. N.W PHONE: 843-9639
CITY, STATE: Abq. NM 87104 ZIP CODE:

SURVEYOR: CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

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

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- ____ NO
- ____ COPY PROVIDED

DATE SUBMITTED: November 4, 2008 BY: - Studio S.W. Arch.

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

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

RECEIVED
NOV 04 2008
HYDROLOGY SECTION

CITY OF ALBUQUERQUE

October 7, 2008

John MacKenzie, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan
Engineer's Stamp dated 9-4-08 (L14-D47)

Dear Mr. MacKenzie,

Based upon the information provided in your submittal received 2-14-06, the above referenced plan is approved for Building Permit and SO19 Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

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

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

Sincerely,

Bradley L. Bingham

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

C: Antoinette Baldonado, DMD
Duane Schmitz, DMD
File

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

CITY OF ALBUQUERQUE

October 7, 2008

John MacKenzie, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan
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If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham

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

C: Antoinette Baldonado, DMD
Duane Schmitz, DMD
File

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

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

PROJECT TITLE: Barelas Job Center
DRB #: _____ EPC#:_____

ZONE MAP/DRG. FILE #:L-14/D047
WORK ORDER#:_____

LEGAL DESCRIPTION: Tract A, Albuquerque Hispano Chamber of Commerce
CITY ADDRESS:1316 Barelas St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, PA
ADDRESS: PO Box 90606
CITY, STATE: Albuquerque, NM

CONTACT: John MacKenzie, PE
PHONE: 828-2200
ZIP CODE: 87199

OWNER: Albuquerque Hispano Chamber of Commerce, Inc.
ADDRESS: 1309 4th St.
CITY, STATE: Albuquerque, NM

CONTACT: _____
PHONE: _____
ZIP CODE: 87106

ARCHITECT: Studio SW
ADDRESS: 2101 Mountain Road NW
CITY, STATE: Albuquerque, NM

CONTACT: Tony Rivera
PHONE: 505.843.9639
ZIP CODE: 87102

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

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- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
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- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM.)
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- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY)

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SEP 08 2008
HYDROLOGY SECTION

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: September 5, 2008

BY: John MacKenzie JMM

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.

D. Mark Goodwin & Associates, P.A.
Consulting Engineers
P.O. BOX 90606, ALBUQUERQUE,NM 87199
(505) 828-2200 FAX 797-9539

~ 2008 ACEC/NM Award Winner for Engineering Excellence, Small Firm ~

September 5, 2008

Mr. Bradley L. Bingham
City of Albuquerque
Development & Building Services
P.O. Box 1293
Albuquerque, NM 87103

Re: Barelas Job Center, 1316 Barelas Street SW
(L14-D047)

Dear Mr. Bingham:

The grading and drainage plan for the reference plan was previously approved by your office on April 25, 2005 (attached). Unfortunately, construction of the new building was not executed at that time.

Now the owner has decided to move forward with the project. The building layout and other related features of the design have remained relatively the same. Flow values have remained the same as the original plan. The site's total area of disturbance is only 0.7 acres, so a SWPPP is not needed.

One change I made pertains to the outfall along the south side of the building. Now two 4" pipes are to be installed in lieu of the previous grate and 10" storm drain out to the existing drop inlet in Barelas. Connection to the existing street inlet could not have been made due to the fact it would have had to cross the extreme NW corner of the adjoining property. All of Basin 3 generates only 0.24 cfs, so the small portion of Basin 3 discharging through the two pipes should be considered to be negligible.

The drainage review fee for this plan has already been paid (receipt is attached). Please contact me if I can be of further assistance.

Sincerely,

MARK GOODWIN & ASSOCIATES, PA

John MacKenzie

John M. MacKenzie, PE
President

JMM

Attachment

RECEIVED
SEP 08 2008
HYDROLOGY SECTION

F:\1-Projects\2008\A08059 - Barelas Job Center Amendment\G&D Ltr..doc

CITY OF ALBUQUERQUE

April 25, 2006

D. Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan
Engineer's Stamp dated 2-14-06 (L14-D047)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 2-14-06, 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.

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

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

Sincerely,

Bradley L. Bingham

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

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

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SEP 08 2008
HYDROLOGY
SECTION

ONE STOP SHOP
CITY OF ALBUQUERQUE PLANNING DEPARTMENT
Development & Building Services

PAID RECEIPT

APPLICANT NAME ALBUQ. HISPANO CHAMBER OF COMMERCE

AGENT MARK GOODWIN & ASSOC.

ADDRESS P.O. BOX 90606

PROJECT & APP # _____

PROJECT NAME BARELAS JOB CENTER

$ _____ 441032/3424000 Conflict Management Fee

$ _____ 441006/4983000 DRB Actions

$ _____ 441006/4971000 EPC/AA/LUCC Actions & All Appeals

$ _____ 441018/4971000 Public Notification

$ 50.00 441006/4983000 DRAINAGE PLAN REVIEW OR TRAFFIC IMPACT STUDY***
( )Major/Minor Subdivision ( )Site Development Plan (X)Bldg Permit
( ) Letter of Map Revision ( )Conditional Letter of Map Revision
( ) Traffic Impact Study

$ 50.00 TOTAL AMOUNT DUE

***NOTE: *If a subsequent submittal is required, bring a copy of this paid receipt with you to avoid an* additional charge.

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SEP 08 2008
HYDROLOGY SECTION

Counterreceipt.doc 6/21/04

DUPLICATE
City Of Albuquerque
Treasury Division

6/15/2005 10:58AM LOC: ANNX
RECEIPT# 00045190 WS# 006 TRANS# 0018
Account 441018 Fund 0110
Activity 4971000 TRSCX5
Trans Amt $50.00
J24 Misc
$50.00
CK $50.00

[redacted]

MARK GOODWIN & ASSOCIATES
CONSULTING ENGINEERS

dmg

CITY OF ALBUQUERQUE

THREE HUNDRED YEARS
1706 * 2006
ALBUQUERQUE
Making History

September 19, 2005

D. Mark Goodwin, P.E.
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St SW, Grading and Drainage Plan
Engineer's Stamp dated 9-13-05 (L14-D047)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 9-13-05, the above referenced plan cannot be approved for Site Development Subdivision and Building Permit Approval, Final Plat Approval, Building Permit Approval and the SO -19 until the following comments are addressed:

1. Basins 3 & 4 need sidewalk culverts. Curb openings are not allowed.
2. Inlets will need to be provided with these culverts.

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

Sincerely,

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

C: File

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

RECEIVED
SEP 30 2005
HYDROLOGY SECTION

D. Mark Goodwin & Associates, P.A.
Consulting Engineers
P.O. BOX 90606, ALBUQUERQUE,NM 87199
(505) 828-2200 FAX 797-9539

September 30, 2005

Bradley L. Bingham, PE
Principal Engineer, Planning Department
Development and Building Services
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Barelas Job Center, 1316 Barelas St. SW (L14-D047)

Dear Mr. Bingham:

Our office has received your comments letter, dated September 19, 2005, which asks for more information to be provided on our grading and drainage plan for the referenced site.

Your itemized comments have been addressed as follows:

- *We made the runoff from Basins 4 discharge into parking lot and ultimately into the Barelas Street SW, which avoid the sidewalk culvert for this basin.*
- *We proposed a cleanout with EJIW oval Grate 1150 which acts as private inlet taking all the discharge of Basin 3, we also had a landscape swale back of the curb which helps in diverting the roof runoff into the proposed clean, this helps in avoiding the sidewalk culvert for basin 3.*

Please contact our office if you have any questions.

Sincerely,
MARK GOODWIN & ASSOCIATES, P.A.

T. Pavankumar
Pavan K. Toleti
Project Engineer

PKT/wp

Attachment

RECEIVED
SEP 30 2005
HYDROLOGY SECTION

DRAINAGE REPORT

for

Barelas Job Opportunity Center

Prepared for

Design Collaborative Southwest, INC
320 Central Ave., SW.
Albuquerque, NM 87102
(505) 843-9639

Prepared by

Mark Goodwin & Associates, PA
P.O. Box 90606
Albuquerque, NM 87199
(505) 828-2200

RECEIVED
SEP 13 2005
HYDROLOGY SECTION

September, 2005

D. MARK GOODWIN
NEW MEXICO
8948
REGISTERED PROFESSIONAL ENGINEER
9/13/05

TABLE OF CONTENTS

I. PROJECT DESCRIPTION

II. DESIGN CRITERIA

III. EXISTING DRAINAGE CONDITIONS

IV. DEVELOPED DRAINAGE CONDITIONS

v. CONCLUSIONS

FIGURE 1: VICINITY MAP

APPENDIX A - HYDROLOGY

AHYMO PRINTOUTS

POCKET 1: GRADING AND DRAINAGE PLAN

I. PROJECT DESCRIPTION

The proposed site area comprises approximately 0.7842 .7977 acres and is along the Barelas street SW of Lands of Albuquerque Hispano Chamber of Commerce, which is just south of the Barelas Street SW/Fourth Street SW intersection.

The purpose of this report is to present the Drainage Management Plan for a proposed office buildings and parking in order to obtain building permit and grading and drainage plan approval for what is intended to contain a set of proposed office buildings. A site development plan for this project site is going to be submitted to DRB. All applicable ordinances, the DPM and AHYMO were utilized to prepare this plan.

II. DRAINAGE DESIGN CRITERIA

The design criteria used in this report was in accordance with the City of Albuquerque's Section 22.2 (Hydrology) of the Development Process Manual. The 100-year, 6-hour storm event was utilized to determine site runoff rates using P(1 hr) = 1.69", P(6 hr)=2.13"and P(24 hr) = 2.50", obtained from the latest NOAA Precipitation Atlas. AHYMO printouts are provided in Appendix A.

III. EXISTING DRAINAGE CONDITION

The site is located along the Barelas street SW of Lands of Albuquerque Hispano Chamber of Commerce, which is just south of the Barelas Street SW/Fourth Street SW intersection. The ~~exiting~~ existing condition consists of Two Storied office buildings and gravel parking lot. At present the property to the north of the site drains into the Barelas Street SW, and the property to the northeast will drain into the Fourth street SW. The existing office building in north of the property drains into the site and is contained in the Site (no outlet, Q=0.26 cfs) and the remaining buildings drain into the Fourth Street SW (Q=0.51 cfs). The gravel parking lot drains into the Barelas Street SW (Q=1.84 cfs).

The developed runoff discharging from this site is designed to be discharged onto Barelas Street SW. As a result there is no additional public drainage infrastructure needed in connection with the proposed office buildings and parking.

IV. DEVELOPED DRAINAGE CONDITIONS

The total developed conditions flow from this site is 2.76 cfs. The proposed grading and drainage plan for the new development consists of 4 basins as shown on the attached Grading and Drainage plan. According to AHYMO total developed flow generated within the site during the 100-year, 6-hour storm, is 1.27 cfs (Basin1), 1.00 cfs (Basin 2), 0.24 cfs (Basin 3) and 0.25 cfs (Basin 4). The runoff from Basin 1 is discharged freely to Barelas Street SW trough the developed driveway. Basin 3 is discharged onto the Bareles Street S.W via the side walk and curb opening along the back of the proposed building. The runoff from the existing building on the north is discharged into Basin 2 with the help of opening in wall and the runoff from Basin 2 is discharged into the Storm Inlet on Barelas Street with the help of a 8" C900 pipe at a slope of 1.5% as shown in the grading and drainage plan. Basin 4 is discharged into Barelas Street SW trough a curb opening as shown in the plans. New 6" header Curb is constructed along the south property line to prevent the onsite runoff entering into the existing park.

V. CONCLUSIONS

The proposed drainage scheme for the new office buildings can be readily accommodated through the implementation of this plan. It has been adequately shown in this report that the internal conveyance of storm water to off-site facilities can be accomplished while meeting all current City requirements.

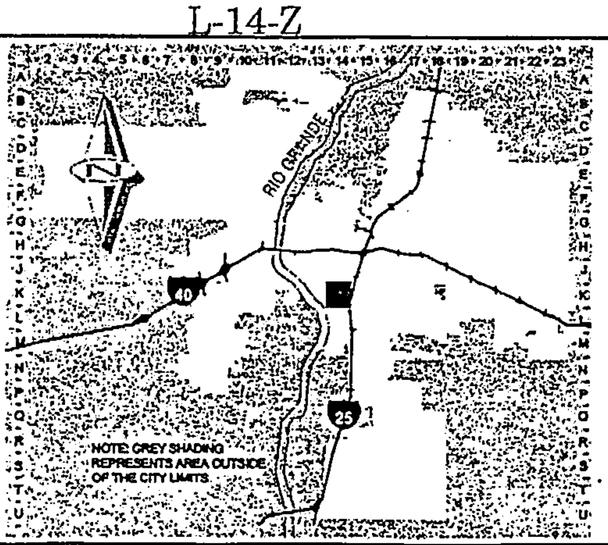
Zone Atlas Page: **K-14-Z**

Map amended through: **Aug 06, 2004**

Selected Symbols

- Unincorporated Areas
- Sector Plan Boundaries
- Parcel Boundaries
- Easement Lines
- Freeway Lanes
- Jurisdictional Boundaries
- Westgate Wall
- Escarpment
- Grant Boundaries
- Petroglyph
- H-1 Buffer Zone
- Arroyos
- LDN Noise Level
- Airport Clearance Zone
- Design Overlay Zones

0 750 1,500 Feet



CITY OF ALBUQUERQUE 1706

THREE HUNDRED YEARS 1706 - 2006

ALBUQUERQUE

Haciendo Historia

Albuquerque Geographic Information System

PLANNING DEPARTMENT

© Copyright 2004

APPENDIX A

HYDROLOGY

POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14

New Mexico 35.0623 N 106.6514 W 4940 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 1, Version 3
G.M. Bonnin, D. Todd, B. Lin, T. Parzybok, M.Yekta, and D. Riley
NOAA, National Weather Service, Silver Spring, Maryland, 2003

Extracted: Thu Jul 28 2005

Confidence Limits | Seasonality | Location Maps | Other Info | Grids | Maps | Help | Docs

Precipitation Frequency Estimates (inches)

ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.22	0.33	0.41	0.55	0.68	0.77	0.81	0.94	1.04	1.19	1.31	1.50	1.68	1.84	2.28	2.72	3.31	3.81
5	0.29	0.44	0.55	0.74	0.91	1.02	1.06	1.20	1.30	1.48	1.63	1.84	2.05	2.25	2.78	3.28	3.96	4.55
10	0.35	0.53	0.65	0.88	1.09	1.21	1.26	1.41	1.52	1.71	1.88	2.12	2.35	2.58	3.15	3.70	4.41	5.09
25	0.42	0.64	0.80	1.07	1.33	1.48	1.53	1.69	1.80	2.02	2.21	2.49	2.73	3.02	3.63	4.22	4.98	5.73
50	0.48	0.73	0.90	1.22	1.51	1.69	1.74	1.90	2.02	2.26	2.47	2.77	3.02	3.35	3.98	4.60	5.37	6.17
100	0.54	0.82	1.02	1.37	1.69	1.91	1.97	2.13	2.23	2.50	2.72	3.06	3.31	3.68	4.32	4.95	5.73	6.58
200	0.60	0.92	1.13	1.53	1.89	2.14	2.20	2.35	2.46	2.75	2.98	3.34	3.59	4.00	4.64	5.29	6.04	6.95
500	0.68	1.04	1.29	1.74	2.15	2.45	2.52	2.67	2.76	3.08	3.32	3.72	3.95	4.42	5.04	5.70	6.40	7.37
1000	0.75	1.14	1.41	1.90	2.35	2.70	2.77	2.90	2.98	3.33	3.58	4.01	4.23	4.74	5.33	5.98	6.64	7.64

LATEST NOAA ATLAS

EXISTING CONDITIONS

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02d RUN DATE (MON/DAY/YR) =09/13/2005
INPUT FILE = C:\DOCUME~1\pavan\Desktop\PAVAN\BARELA~2.TXT USER NO.= AHYMO-I-9702dGoodwinM-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME= .00
RAINFALL TYPE= 1										RAIN6= 2.130
COMPUTE NM HYD	100.20	-	2	.00020	.51	.020	1.88222	1.499	4.020	PER IMP= 100.00
COMPUTE NM HYD	100.30	-	3	.00110	1.84	.051	.86474	1.499	2.613	PER IMP= .00
COMPUTE NM HYD	100.30	-	4	.00010	.26	.010	1.88222	1.499	4.072	PER IMP= 100.00
FINISH										

DEVELOPED CONDITIONS

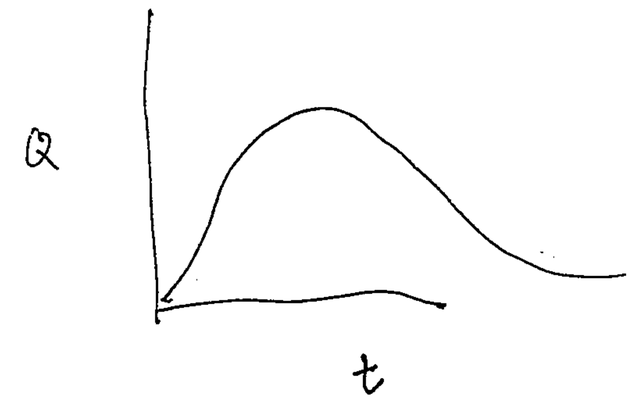
AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02d RUN DATE (MON/DAY/YR) =09/13/2005
INPUT FILE = C:\DOCUME~1\pavan\Desktop\PAVAN\BARELA~1.TXT USER NO.= AHYMO-I-9702dGoodwinM-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME= .00
RAINFALL TYPE= 1										RAIN6= 2.130
COMPUTE NM HYD	100.20	-	2	.00050	1.27	.050	1.87215	1.499	3.972	PER IMP= 99.00
COMPUTE NM HYD	100.20	-	2	.00040	1.00	.038	1.79488	1.499	3.901	PER IMP= 91.50
COMPUTE NM HYD	100.20	-	2	.00010	.24	.009	1.64734	1.499	3.725	PER IMP= 82.00
COMPUTE NM HYD	100.20	-	2	.00010	.25	.009	1.76450	1.499	3.951	PER IMP= 89.00
FINISH										

```
AHYMO PROGRAM (AHYMO_97) -                          - Version:  1997.02d
     RUN DATE (MON/DAY/YR) = 09/13/2005
     START TIME (HR:MIN:SEC) = 08:06:08     USER NO.= AHYMO-I-9702dGoodwinM-AH
     INPUT FILE = C:\DOCUME~1\pavan\Desktop\PAVAN\BARELA~1.TXT

START                                          TIME=0.0
****** AHYMO - BARELAS.DAT
****** August 10, 2005
****** HYDOLOGY FOR THE BARELAS JOB CENTER

RAINFALL            TYPE=1 RAIN QUARTER=0.0 IN
                    RAIN ONE=1.69 IN RAIN SIX=2.13 IN
                    RAIN DAY=2.50 IN DT=0.0333 HR
```




```
          COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
          DT =    .033300 HOURS       END TIME =     5.994000 HOURS
             .0000   .0031   .0063   .0096   .0129   .0163   .0198
             .0233   .0270   .0307   .0345   .0384   .0424   .0466
             .0508   .0551   .0596   .0642   .0690   .0739   .0790
             .0843   .0897   .0954   .1013   .1074   .1139   .1206
             .1276   .1351   .1429   .1477   .1526   .1580   .1690
             .1942   .2332   .2892   .3657   .4664   .5949   .7549
             .9504  1.1381  1.2151  1.2798  1.3374  1.3897  1.4379
            1.4826  1.5243  1.5635  1.6003  1.6350  1.6679  1.6989
            1.7284  1.7563  1.7827  1.8079  1.8317  1.8389  1.8447
            1.8503  1.8557  1.8608  1.8658  1.8706  1.8752  1.8797
            1.8841  1.8884  1.8925  1.8966  1.9005  1.9044  1.9082
            1.9118  1.9154  1.9190  1.9224  1.9258  1.9292  1.9325
            1.9357  1.9388  1.9420  1.9450  1.9480  1.9510  1.9539
            1.9568  1.9597  1.9625  1.9652  1.9680  1.9707  1.9733
            1.9759  1.9785  1.9811  1.9836  1.9861  1.9886  1.9911
            1.9935  1.9959  1.9983  2.0006  2.0029  2.0052  2.0075
            2.0098  2.0120  2.0142  2.0164  2.0186  2.0207  2.0229
            2.0250  2.0271  2.0291  2.0312  2.0332  2.0353  2.0373
            2.0393  2.0413  2.0432  2.0452  2.0471  2.0490  2.0509
            2.0528  2.0547  2.0566  2.0584  2.0603  2.0621  2.0639
            2.0657  2.0675  2.0693  2.0710  2.0728  2.0745  2.0763
            2.0780  2.0797  2.0814  2.0831  2.0848  2.0865  2.0881
            2.0898  2.0914  2.0930  2.0947  2.0963  2.0979  2.0995
            2.1011  2.1027  2.1042  2.1058  2.1073  2.1089  2.1104
```

```
                2.1120  2.1135  2.1150  2.1165  2.1180  2.1195  2.1210
                2.1225  2.1239  2.1254  2.1268  2.1283  2.1297

****** BASIN 1 - (0.376 ACRES)  .000544 Mi²

COMPUTE NM HYD       ID=2 HYD NO=100.2 AREA=0.0005 SQ MI
                     PER A=0 PER B= 0 PER C= 1 PER D= 99
                     TP=0.1333 HR MASS RAINFALL=-1

     K =    .072649HR    TP =    .133300HR    K/TP RATIO =    .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =    1.9543    CFS   UNIT VOLUME =    .9932       B =   526.28      P60 = 1.6900
     AREA =      .000544 ~~.000495~~ SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033300


     K =    .103836HR    TP =    .133300HR    K/TP RATIO =    .778968     SHAPE CONSTANT, N =  4.614413
     UNIT PEAK =    .14788E-01CFS   UNIT VOLUME =    .8829       B =   394.24      P60 = 1.6900
     AREA =      .000005 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033300

PRINT HYD            ID=2 CODE=24

                                   PARTIAL HYDROGRAPH   100.20

          TIME      FLOW            TIME      FLOW            TIME      FLOW            TIME      FLOW
TIME      FLOW
           HRS      CFS              HRS      CFS              HRS      CFS              HRS      CFS
HRS       CFS
           .000       .0            1.332       .4            2.664       .0            3.996       .0
5.328       .0
           .666       .0            1.998       .3            3.330       .0            4.662       .0
5.994       .0

         RUNOFF VOLUME =     1.87215 INCHES     =        .0499 ACRE-FEET
         PEAK DISCHARGE RATE =       1.27 CFS  AT   1.499 HOURS   BASIN AREA =    .0005 SQ. MI.
                                     1.76 CFS


****** BASIN 2 - (0.272 ACRES)  .000425 Sq Mi.

COMPUTE NM HYD       ID=2 HYD NO=100.2 AREA=0.0004 SQ MI
```

```
                    PER A=0 PER B= 0.5 PER C= 8 PER D= 91.5
                    TP=0.1333 HR MASS RAINFALL=-1

        K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
        UNIT PEAK =   1.4450    CFS   UNIT VOLUME =    .9910       B =   526.28      P60 = 1.6900
        AREA =      .000366 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033300
                   .00042

        K =   .105620HR    TP =   .133300HR    K/TP RATIO =   .792349     SHAPE CONSTANT, N =  4.526695
        UNIT PEAK =   .99187E-01CFS   UNIT VOLUME =    .8805       B =   388.87      P60 = 1.6900
        AREA =      .000034 SQ MI    IA =    .35882 INCHES    INF =    .85471 INCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033300
                   .00042

PRINT HYD           ID=2 CODE=24

                                PARTIAL HYDROGRAPH   100.20

          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
TIME      FLOW
           HRS      CFS           HRS      CFS           HRS      CFS           HRS      CFS
HRS       CFS
          .000       .0          1.332       .3          2.664       .0          3.996       .0
5.328       .0
          .666       .0          1.998       .2          3.330       .0          4.662       .0
5.994       .0

        RUNOFF VOLUME =     1.79488 INCHES     =        .0383 ACRE-FEET
        PEAK DISCHARGE RATE =       1.00 CFS  AT   1.499 HOURS   BASIN AREA =   .0004 SQ. MI.


****** BASIN 3 - (0.0856 ACRES)  .000134 Sq mi

COMPUTE NM HYD      ID=2 HYD NO=100.2 AREA=0.0001 SQ MI
                    PER A=0 PER B=18 PER C=0 PER D= 82
                    TP=0.1333 HR MASS RAINFALL=-1

        K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
        UNIT PEAK =   .32374    CFS   UNIT VOLUME =    .9663       B =   526.28      P60 = 1.6900
        AREA =      .000082 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
```

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .134159HR TP = .133300HR K/TP RATIO = 1.006445 SHAPE CONSTANT, N = 3.507492
UNIT PEAK = .43329E-01CFS UNIT VOLUME = .8684 B = 320.88 P60 = 1.6900
AREA = .000018 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=24

PARTIAL HYDROGRAPH 100.20

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.332	.1	2.664	.0	3.996	.0
5.328	.0						
.666	.0	1.998	.0	3.330	.0	4.662	.0
5.994	.0						

RUNOFF VOLUME = 1.64734 INCHES = .0088 ACRE-FEET
PEAK DISCHARGE RATE = .24 CFS AT 1.499 HOURS BASIN AREA = .0001 SQ. MI.

****** BASIN 4 - (0.0641 ACRES) .0001 Sq mi

COMPUTE NM HYD ID=2 HYD NO=100.2 AREA=0.0001 SQ MI
PER A=0 PER B=2 PER C=9 PER D= 89
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .35138 CFS UNIT VOLUME = .9663 B = 526.28 P60 = 1.6900
AREA = .000089 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .109350HR TP = .133300HR K/TP RATIO = .820327 SHAPE CONSTANT, N = 4.354575
UNIT PEAK = .31206E-01CFS UNIT VOLUME = .8754 B = 378.16 P60 = 1.6900
AREA = ~~.000011 SQ MI~~ IA = .37727 INCHES INF = .90636 INCHES PER HOUR
.0001 Sq miles

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=24

PARTIAL HYDROGRAPH 100.20

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.332	.1	2.664	.0	3.996	.0
5.328	.0						
.666	.0	1.998	.1	3.330	.0	4.662	.0
5.994	.0						

RUNOFF VOLUME = 1.76450 INCHES = .0094 ACRE-FEET
PEAK DISCHARGE RATE = .25 CFS AT 1.499 HOURS BASIN AREA = .0001 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 08:06:08

CITY OF ALBUQUERQUE

April 25, 2006

D. Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan Engineer's Stamp dated 2-14-06 (L14-D047)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 2-14-06, 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.

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

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

Sincerely,

Bradley L. Bingham

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

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

CITY OF ALBUQUERQUE

April 25, 2006

D. Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

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Bradley L. Bingham

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

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/2005)

PROJECT TITLE: Barelas Job Opportunity Center ZONE MAP/DRG. FILE # L-14-Z D47
DRB#: 05DRB-01353 EPC#: 05EPC-00751, 752, 753 WORK ORDER#:

LEGAL DESCRIPTION: Tract A, Map #41 and Tract 2, Map #41
CITY ADDRESS: 1309 4th St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, P.A. CONTACT: John McKenzie
ADDRESS: P.O. Box 90606 PHONE: 828-2200
CITY, STATE: Albuquerque, NM ZIP CODE: 87119

OWNER: Albuquerque Hispano Chamber of Commerce CONTACT: Rick Tafoya
ADDRESS: 1309 4th St. SW PHONE: 842-9003
CITY, STATE: Albuquerque, NM ZIP CODE: 87102

ARCHITECT: DCSW Architects, Inc. CONTACT: Dave Gasser
ADDRESS: 320 Central Ave SW PHONE: 843-9639
CITY, STATE: Albuquerque, NM ZIP CODE: 87102

SURVEYOR: Cartesian Surveys Inc. CONTACT: Will Plotner, Jr.
ADDRESS: P.O. Box 44414 PHONE: 896-3050
CITY, STATE: Rio Rancho, NM ZIP CODE: 87174

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

TYPE OF SUBMITTAL:
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL
- ____ DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL G & D PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERT (HYDROLOGY)
- ____ CLOMR/LOMR
- X TRAFFIC CIRCULATION LAYOUT
- ____ ENGINEER'S/ARCHITECT'S CERT (TCL)
- ____ ENGINEER'S CERT (DRB SITE PLAN)
- ____ OTHER

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

12/14/05 Left missg. w/info to call Back.

RECEIVED DEC 15 2005 HYDROLOGY SECTION

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

SUBMITTED BY: [signature] DATE: 12/15/05

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

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

= Did He Go To DRB? CALL - Monday Copy of DRB Site Plan.

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

PROJECT TITLE: Barelas Job Center
DRB #: _____ EPC#: _____

ZONE MAP/DRG. FILE #: L-14 / D47
WORK ORDER#: _____

LEGAL DESCRIPTION: A, 0000 Albuquerque Hispano Chamber of Commerce, Inc.
CITY ADDRESS: 1316 Barelas St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, PA
ADDRESS: PO Box 90606
CITY, STATE: Albuquerque, NM

CONTACT: Pavan K. Toleti, EIT
PHONE: 828-2200
ZIP CODE: 87199

OWNER: Albuquerque Hispano Chamber of Commerce, Inc.
ADDRESS: 1309 4th St.
CITY, STATE: Albuquerque, NM

CONTACT: _____
PHONE: _____
ZIP CODE: 87106

ARCHITECT: Design Collaborative Southwest, INC
ADDRESS: 320 Central Ave, SW
CITY, STATE: Albuquerque, NM

CONTACT: Dave Gasser
PHONE: 505.843.9639
ZIP CODE: 87102

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☒ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☒ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☒ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP.)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☒ OTHER (SPECIFY) SO-19

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

RECEIVED
FEB 14 2006
HYDROLOGY SECTION

DATE SUBMITTED: February 13, 2006

BY: Pavan K. Toleti (T. Paramkumar)

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:

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

D. Mark Goodwin & Associates, P.A.
Consulting Engineers
P.O. BOX 90606, ALBUQUERQUE,NM 87199
(505) 828-2200 FAX 797-9539

February 13, 2006

Rudy E. Rael
Associate Engineer, Planning Department
Development and Building Services
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Barelas Job Center,1316 Barelas St. SW Grading & Drainage Plan with Engineer's Stamp dated 13th February 13, 2006 (L14-D047)

Dear Mr. Real:

Our office has received your approval for Building Permit and Grading Permit, dated October 11, 2005 for the referenced project.

We are resubmitting the Grading and Drainage Plan for your approval with some changes that were generated by change in site plan from the architect; these changes will not affect the drainage discharge pattern of the previously approved plan.

The changes which we made are

- *we made the floor elevation from 46.25 to 46.35*
- *We removed the Proposed storm Inlet A1 and 8" C900 Pipe upto storm Inlet A2 and made the Basin 2 discharge on to proposed parking lot(Basin 1) with curb opening and ultimately on to the Barelas Street as shown in the attached plan.*
- *We also attached the revised Ahymo Summary Sheet with the change in basin Boundaries as shown in plan.*

Please contact our office if you have any questions.

Sincerely,
MARK GOODWIN & ASSOCIATES, P.A.

T. Pavankumar
Pavan K. Toleti
Project Engineer

PKT

Attachment

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FEB 14 2006
HYDROLOGY SECTION

CITY OF ALBUQUERQUE

THREE HUNDRED YEARS
1706 * 2006
ALBUQUERQUE
Making History

October 11, 2005

D. Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan
Engineer's Stamp dated 9-30-05 (L14-D047)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 9-30-05, the above referenced plan is approved for Site Development Plan for Subdivision and Building Permit, Final Plat Approval, Building Permit Approval.

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

Sincerely,

Rudy E. Rael, Associate Engineer
Planning Department.
Development and Building Services

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

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FEB 14 2006
HYDROLOGY SECTION

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02d RUN DATE (MON/DAY/YR) =02/13/2006
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COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME= .00
RAINFALL TYPE= 1										RAIN6= 2.130
COMPUTE NM HYD	100.20	-	2	.00050	1.23	.047	1.77471	1.500	3.853	PER IMP= 90.00
COMPUTE NM HYD	100.30	-	3	.00060	1.53	.060	1.88235	1.500	3.975	PER IMP= 100.00
COMPUTE NM HYD	100.40	-	4	.00010	.24	.009	1.64746	1.500	3.724	PER IMP= 82.00
FINISH										

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FEB 14 2006
HYDROLOGY SECTION

RECEIVED
FEB 14 2006
HYDROLOGY SECTION

```
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     INPUT FILE = C:\DOCUME~1\pavan\Desktop\PAVAN\Barales.txt


START               TIME=0.0
*****    Barelas Job Center.
*****    FILE: c:\AHYMO\Barelas Job Center    February 13, 2006  BY PAVAN
*****
*****    100-YEAR 6-HOUR STORM EVENT
*****
***** DEVELOPED CONDITIONS TO BE DIVIDED INTO BASINS 3 BASINS

*****
RAINFALL            TYPE=1 RAIN QUARTER=0.0 IN
                    RAIN ONE=1.69 IN RAIN SIX=2.13 IN
                    RAIN DAY=2.50 IN DT=0.033333 HR

               COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
               DT =    .033333 HOURS       END TIME =     5.999940 HOURS
                  .0000   .0031   .0063   .0096   .0129   .0163   .0198
                  .0234   .0270   .0307   .0346   .0385   .0425   .0466
                  .0508   .0552   .0597   .0643   .0691   .0740   .0791
                  .0844   .0898   .0955   .1014   .1076   .1140   .1208
                  .1278   .1353   .1431   .1478   .1528   .1581   .1696
                  .1953   .2348   .2916   .3690   .4708   .6006   .7622
                  .9594  1.1418  1.2181  1.2825  1.3399  1.3920  1.4401
                 1.4847  1.5263  1.5654  1.6021  1.6368  1.6696  1.7006
                 1.7299  1.7578  1.7842  1.8093  1.8331  1.8392  1.8451
                 1.8506  1.8560  1.8611  1.8661  1.8709  1.8755  1.8801
                 1.8844  1.8887  1.8928  1.8969  1.9008  1.9047  1.9084
                 1.9121  1.9157  1.9193  1.9227  1.9261  1.9295  1.9327
                 1.9359  1.9391  1.9422  1.9453  1.9483  1.9513  1.9542
                 1.9571  1.9599  1.9627  1.9655  1.9682  1.9709  1.9736
                 1.9762  1.9788  1.9814  1.9839  1.9864  1.9889  1.9913
                 1.9937  1.9961  1.9985  2.0009  2.0032  2.0055  2.0078
                 2.0100  2.0122  2.0145  2.0166  2.0188  2.0210  2.0231
                 2.0252  2.0273  2.0294  2.0314  2.0335  2.0355  2.0375
                 2.0395  2.0415  2.0435  2.0454  2.0474  2.0493  2.0512
                 2.0531  2.0550  2.0568  2.0587  2.0605  2.0623  2.0642
                 2.0660  2.0677  2.0695  2.0713  2.0730  2.0748  2.0765
                 2.0783  2.0800  2.0817  2.0834  2.0850  2.0867  2.0884
                 2.0900  2.0917  2.0933  2.0949  2.0965  2.0981  2.0997
                 2.1013  2.1029  2.1045  2.1060  2.1076  2.1091  2.1107
                 2.1122  2.1137  2.1152  2.1168  2.1183  2.1197  2.1212
                 2.1227  2.1242  2.1256  2.1271  2.1286  2.1300

****** BASIN 1 - (0.376 ACRES)

COMPUTE NM HYD      ID=2 HYD NO=100.2 AREA=0.0005 SQ MI
```

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HYDROLOGY SECTION

```
                    PER A=0 PER B=2 PER C=8 PER D=90
                    TP=0.1333 HR MASS RAINFALL=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   1.7766    CFS   UNIT VOLUME =    .9933       B =   526.28      P60 = 1.6900
     AREA =      .000450 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033333


     K =   .109901HR    TP =   .133300HR    K/TP RATIO =   .824463     SHAPE CONSTANT, N =  4.330409
     UNIT PEAK =   .14127    CFS   UNIT VOLUME =    .9077       B =   376.63      P60 = 1.6900
     AREA =      .000050 SQ MI    IA =    .38000 INCHES    INF =    .91400 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033333

PRINT HYD           ID=2 CODE=1

                                PARTIAL HYDROGRAPH   100.20


    RUNOFF VOLUME =     1.77471 INCHES     =        .0473 ACRE-FEET
    PEAK DISCHARGE RATE =       1.23 CFS  AT   1.500 HOURS   BASIN AREA =   .0005 SQ. MI.


****** BASIN 2 - (0.4130 ACRES)

COMPUTE NM HYD      ID=3 HYD NO=100.3 AREA=0.0006 SQ MI
                    PER A=0 PER B=0 PER C=0 PER D=100
                    TP=0.1333 HR MASS RAINFALL=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   2.3688    CFS   UNIT VOLUME =    .9949       B =   526.28      P60 = 1.6900
     AREA =      .000600 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033333

PRINT HYD           ID=3 CODE=1

                                PARTIAL HYDROGRAPH   100.30


    RUNOFF VOLUME =     1.88235 INCHES     =        .0602 ACRE-FEET
    PEAK DISCHARGE RATE =       1.53 CFS  AT   1.500 HOURS   BASIN AREA =   .0006 SQ. MI.


***** BASIN 3 (0.0856 AC)

COMPUTE NM HYD      ID=4 HYD NO=100.4 AREA=0.0001 SQ MI
                    PER A=0 PER B=18 PER C=0 PER D=82
                    TP=0.1333 HR MASS RAINFALL=-1
```

```
K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
UNIT PEAK =   .32374    CFS   UNIT VOLUME =    .9664       B =   526.28      P60 = 1.6900
AREA =      .000082 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033333

K =   .134159HR    TP =   .133300HR    K/TP RATIO =  1.006445     SHAPE CONSTANT, N =  3.507492
UNIT PEAK =   .43329E-01CFS   UNIT VOLUME =    .8686       B =   320.88      P60 = 1.6900
AREA =      .000018 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033333

PRINT HYD           ID=4 CODE=1

                                PARTIAL HYDROGRAPH   100.40

    RUNOFF VOLUME =     1.64746 INCHES     =        .0088 ACRE-FEET
    PEAK DISCHARGE RATE =        .24 CFS  AT   1.500 HOURS   BASIN AREA =   .0001 SQ. MI.



FINISH

    NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 10:06:30
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CITY OF ALBUQUERQUE

THREE HUNDRED YEARS
1706 • 2006
ALBUQUERQUE
Making History

October 11, 2005

D. Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
PO Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas St. SW, Grading and Drainage Plan Engineer's Stamp dated 9-30-05 (L14-D047)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 9-30-05, the above referenced plan is approved for Site Development Plan for Subdivision and Building Permit, Final Plat Approval, Building Permit Approval.

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

Sincerely,

Rudy E. Rael, Associate Engineer
Planning Department.
Development and Building Services

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

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

PROJECT TITLE: Barelas Job Center
DRB #: _____ EPC#: _____

ZONE MAP/DRG. FILE #: L-14 / D47
WORK ORDER#: _____

LEGAL DESCRIPTION: A, 0000 Albuquerque Hispano Chamber of Commerce, Inc.
CITY ADDRESS: 1316 Barelas St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, PA
ADDRESS: PO Box 90606
CITY, STATE: Albuquerque, NM

CONTACT: Pavan K. Toleti, EIT
PHONE: 828-2200
ZIP CODE: 87199

OWNER: Albuquerque Hispano Chamber of Commerce, Inc.
ADDRESS: 1309 4th St.
CITY, STATE: Albuquerque, NM

CONTACT: _____
PHONE: _____
ZIP CODE: 87106

ARCHITECT: Design Collaborative Southwest, INC
ADDRESS: 320 Central Ave. SW
CITY, STATE: Albuquerque, NM

CONTACT: Dave Gasser
PHONE: 505.843.9639
ZIP CODE: 87102

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 09/30/05 BY: PAVAN K. TOLETI (T. Pavankumar)

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.

CITY OF ALBUQUERQUE

THREE HUNDRED YEARS
1706 • 2006
ALBUQUERQUE
Making History

August 26, 2005

Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
P.O. Box 90606
Albuquerque, NM 87199

Re: Barelas Job Center, 1316 Barelas Street SW, Site Development Plan Engineer's Stamp dated 8-15-05 (L14-D47)

Dear Mr. Goodwin,

Based upon the information provided in your submittal received 8-15-05, the above referenced plan is approved for Site Development Plan for Building Permit action by the DRB. However, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

1. Provide build notes for the proposed pipe.
2. Please check the proposed flow values. When calculated using the flow calculation method described in the Development Process Manual, Chapter 22, Section 2, Part A, the flow is approximately 3.6 cfs.
3. Define the existing flow values, including values for the existing office building along the eastern property line.
4. Provide invert values for the proposed cleanouts.
5. Check the developed conditions as described in the drainage report. Basins 2 and 3 do not appear to drain freely to Barelas Street through the driveway.
6. Please provide a detail for the proposed cleanout.

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: File

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

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Barelas Job Center
DRB #: _____ EPC#: _____

ZONE MAP/DRG. FILE #: L-14/D47
WORK ORDER#: _____

LEGAL DESCRIPTION: A, 0000 Albuquerque Hispano Chamber of Commerce, Inc.
CITY ADDRESS: 1316 Barelas St. SW, Albuquerque, NM 87102

ENGINEERING FIRM: Mark Goodwin & Associates, PA
ADDRESS: PO Box 90606
CITY, STATE: Albuquerque, NM

CONTACT: Pavan K. Toleti, EIT
PHONE: 828-2200
ZIP CODE: 87199

OWNER: Albuquerque Hispano Chamber of Commerce, Inc.
ADDRESS: 1309 4th St.
CITY, STATE: Albuquerque, NM

CONTACT: _____
PHONE: _____
ZIP CODE: 87106

ARCHITECT: Design Collaborative Southwest, INC
ADDRESS: 320 Central Ave, SW
CITY, STATE: Albuquerque, NM

CONTACT: Dave Gasser
PHONE: 505.843.9639
ZIP CODE: 87102

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

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

BP 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
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP.)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☒ OTHER (SPECIFY) S.O. - 19

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 08/12/05 BY: T. Paramkumar

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
AUG 15 2005
HYDROLOGY SECTION

[redacted]

MARK GOODWIN & ASSOCIATES
CONSULTING ENGINEERS

dmg

RECEIVED
AUG 15 2005
HYDROLOGY SECTION

DRAINAGE REPORT

for

Barelas Job Opportunity Center.

Prepared for

Design Collaborative Southwest, INC
320 Central Ave., SW.
Albuquerque, NM 87102
(505) 843-9639

Prepared by

Mark Goodwin & Associates, PA
P.O. Box 90606
Albuquerque, NM 87199
(505) 828-2200

August, 2005

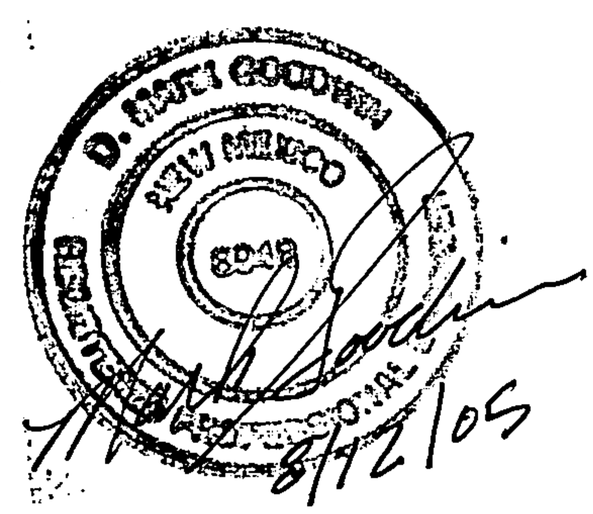


TABLE OF CONTENTS

I. PROJECT DESCRIPTION

II. DESIGN CRITERIA

III. EXISTING DRAINAGE CONDITIONS

IV. DEVELOPED DRAINAGE CONDITIONS

v. CONCLUSIONS

FIGURE 1: VICINITY MAP

APPENDIX A - HYDROLOGY

AHYMO PRINTOUTS

POCKET 1: GRADING AND DRAINAGE PLAN

I. PROJECT DESCRIPTION

The proposed site area comprises approximately 0.7842 acres and is along the Barelas street SW of Lands of Albuquerque Hispano Chamber of Commerce, which is just south of the Barelas Street SW/Fourth Street SW intersection.

The purpose of this report is to present the Drainage Management Plan for a proposed office buildings and parking in order to obtain building permit and grading and drainage plan approval for what is intended to contain a set of proposed office buildings. A site development plan for this project site is going to be submitted to DRB. All applicable ordinances, the DPM and AHYMO were utilized to prepare this plan.

II. DRAINAGE DESIGN CRITERIA

The design criteria used in this report was in accordance with the City of Albuquerque's Section 22.2 (Hydrology) of the Development Process Manual. The 100-year, 6-hour storm event was utilized to determine site runoff rates using P(1 hr) = 1.69", P(6 hr)=2.13"and P(24 hr) = 2.50", obtained from the latest NOAA Precipitation Atlas. AHYMO printouts are provided in Appendix A.

III. EXISTING DRAINAGE CONDITION

The site is located along the Barelas street SW of Lands of Albuquerque Hispano Chamber of Commerce, which is just south of the Barelas Street SW/Fourth Street SW intersection. The existing condition consists of Two Storied office buildings and gravel parking lot. At present the property to the north of the site drains into the Barelas Street SW, and the property to the northeast will drain into the Fourth street SW. The existing office building in north of the property drains into the site and is contained in the Site (no outlet) and the remaining buildings drain into the Fourth Street SW. The gravel parking lot drains into the Barelas Street SW.

The developed runoff discharging from this site is designed to be discharged freely onto Barelas Street SW. As a result there is no additional public drainage infrastructure needed in connection with the proposed office buildings and parking.

IV. DEVELOPED DRAINAGE CONDITIONS

3.59

The total developed conditions flow from this site is 2.75 cfs. The proposed grading and drainage plan for the new development consists of 4 basins as shown on the Grading and Drainage plan. According to AHYMO total developed flow generated within the site during the 100-year, 6-hour storm, is 1.27 cfs (Basin1), 0.50 cfs (Basin 2), 0.24 cfs (Basin 3) and 0.74 cfs (Basin 4). The runoff from Basin 2 and Basin 3 is discharged freely to Barelas Street SW trough the developed driveway. The runoff from the existing building on the north is discharged into Basin 4 with the help of opening in wall and the runoff from Basin 4 is discharged into Barelas Street SW trough a curb opening as shown in the plans. Basin 1 is discharged into the Storm Inlet on Barelas Street with the help of a 8" P.V.C pipe at a slope of 0 .4% as shown in the grading and drainage plan. New 6" header Curb is constructed along the south property line to prevent the onsite runoff entering into the existing park.

1.53 0.34 0.26 0.96

V. CONCLUSIONS

The proposed drainage scheme for the new office buildings can be readily accommodated through the implementation of this plan. It has been adequately shown in this report that the internal conveyance of storm water to off-site facilities can be accomplished while meeting all current City requirements.

J-14-Z

J-13-Z

J-15-Z

K-13-Z

K-15-Z

L-13-Z

L-15-Z

L-14-Z

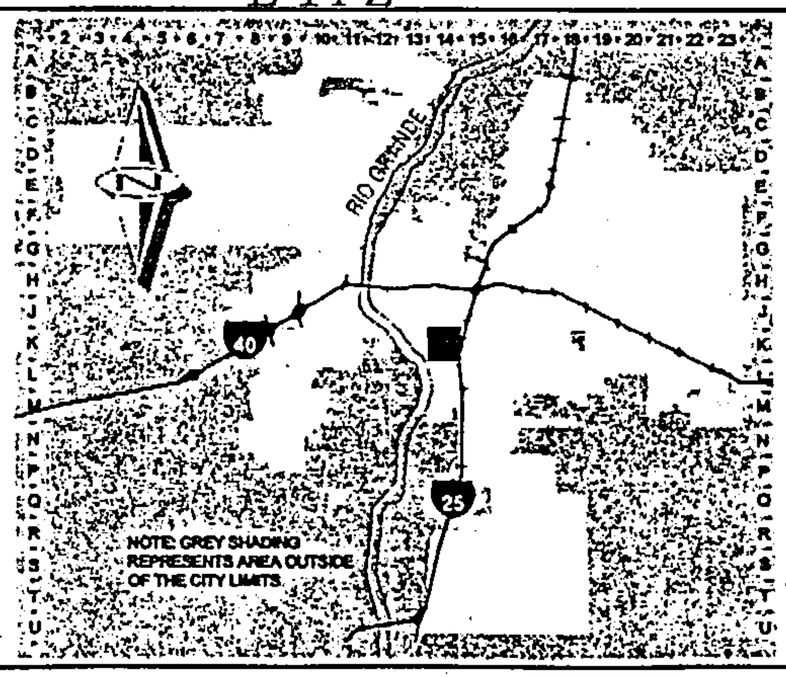
Zone Atlas Page: **K-14-Z**

Map amended through: **Aug 06, 2004**

Selected Symbols

- Unincorporated Areas
- Sector Plan Boundaries
- Parcel Boundaries
- Easement Lines
- Freeway Lanes
- Jurisdictional Boundaries
- Westgate Wall
- Escarpment
- Grant Boundaries
- Petroglyph
- H-1 Buffer Zone
- Arroyos
- LDN Noise Level
- Airport Clearance Zone
- Design Overlay Zones

0 750 1,500 Feet



CITY OF ALBUQUERQUE 1706

THREE HUNDRED YEARS 1706 - 2006

ALBURQUERQUE

Haciendo Historia

A lbuquerque G eographic I nformation S ystem

PLANNING DEPARTMENT

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Zone 2

AHYMO PROGRAM (AHYMO_97) - - Version: 1997.02d
RUN DATE (MON/DAY/YR) = 08/10/2005
START TIME (HR:MIN:SEC) = 09:31:48 USER NO.= AHYMO-I-9702dGoodwinM-AH
INPUT FILE = C:\DOCUME~1\pavan\Desktop\PAVAN\BARELA~1.TXT

START TIME=0.0
****** AHYMO - BARELAS.DAT
****** August 10, 2005
****** HYDOLOGY FOR THE BARELAS JOB CENTER

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=1.69 IN RAIN SIX=2.13 IN
RAIN DAY=2.50 IN DT=0.0333 HR

provide NOAA 2 atlas excerpts verify, rainfall iso pluvials

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT = .033300 HOURS END TIME = 5.994000 HOURS

.0000	.0031	.0063	.0096	.0129	.0163	.0198
.0233	.0270	.0307	.0345	.0384	.0424	.0466
.0508	.0551	.0596	.0642	.0690	.0739	.0790
.0843	.0897	.0954	.1013	.1074	.1139	.1206
.1276	.1351	.1429	.1477	.1526	.1580	.1690
.1942	.2332	.2892	.3657	.4664	.5949	.7549
.9504	1.1381	1.2151	1.2798	1.3374	1.3897	1.4379
1.4826	1.5243	1.5635	1.6003	1.6350	1.6679	1.6989
1.7284	1.7563	1.7827	1.8079	1.8317	1.8389	1.8447
1.8503	1.8557	1.8608	1.8658	1.8706	1.8752	1.8797
1.8841	1.8884	1.8925	1.8966	1.9005	1.9044	1.9082
1.9118	1.9154	1.9190	1.9224	1.9258	1.9292	1.9325
1.9357	1.9388	1.9420	1.9450	1.9480	1.9510	1.9539
1.9568	1.9597	1.9625	1.9652	1.9680	1.9707	1.9733
1.9759	1.9785	1.9811	1.9836	1.9861	1.9886	1.9911
1.9935	1.9959	1.9983	2.0006	2.0029	2.0052	2.0075
2.0098	2.0120	2.0142	2.0164	2.0186	2.0207	2.0229
2.0250	2.0271	2.0291	2.0312	2.0332	2.0353	2.0373
2.0393	2.0413	2.0432	2.0452	2.0471	2.0490	2.0509
2.0528	2.0547	2.0566	2.0584	2.0603	2.0621	2.0639
2.0657	2.0675	2.0693	2.0710	2.0728	2.0745	2.0763
2.0780	2.0797	2.0814	2.0831	2.0848	2.0865	2.0881
2.0898	2.0914	2.0930	2.0947	2.0963	2.0979	2.0995
2.1011	2.1027	2.1042	2.1058	2.1073	2.1089	2.1104
2.1120	2.1135	2.1150	2.1165	2.1180	2.1195	2.1210
2.1225	2.1239	2.1254	2.1268	2.1283	2.1297	

****** BASIN 1 - (0.3481 ACRES) 0.000544 sq. mi.

COMPUTE NM HYD ID=2 HYD NO=100.2 AREA=0.0005 SQ MI
PER A=0 PER B= 0 PER C= 1 PER D= 99
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 1.9543 CFS UNIT VOLUME = .9932 B = 526.28 P60 = 1.6900
AREA = .000495 SQ MI 0.000544 sq. mi. IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .103836HR TP = .133300HR K/TP RATIO = .778968 SHAPE CONSTANT, N = 4.614413
UNIT PEAK = .14788E-01CFS UNIT VOLUME = .8829 B = 394.24 P60 = 1.6900
AREA = .000005 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=24

PARTIAL HYDROGRAPH 100.20

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.332	.4	2.664	.0	3.996	.0	5.328	.0
.666	.0	1.998	.3	3.330	.0	4.662	.0	5.994	.0

RUNOFF VOLUME = 1.87215 INCHES = .0499 ACRE-FEET
PEAK DISCHARGE RATE = 1.27 CFS AT 1.499 HOURS BASIN AREA = .0005 SQ. MI.

****** BASIN 2 - (0.1626 ACRES) 0.000254 sq. mi.

COMPUTE NM HYD ID=2 HYD NO=100.2 AREA=0.0002 SQ MI
PER A=0 PER B= 0.5 PER C= 8 PER D= 91.5
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .72249 CFS UNIT VOLUME = .9840 B = 526.28 P60 = 1.6900
AREA = .000183 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

0.000200

K = .105620HR TP = .133300HR K/TP RATIO = .792349 SHAPE CONSTANT, N = 4.526695
UNIT PEAK = .49594E-01CFS UNIT VOLUME = .8805 B = 388.87 P60 = 1.6900
AREA = .000017 SQ MI IA = .35882 INCHES INF = .85471 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=24

PARTIAL HYDROGRAPH 100.20

TIME	FLOW	TIME	FLOW	TIME	FLOW	TIME	FLOW	TIME	FLOW

```
            HRS        CFS              HRS        CFS              HRS        CFS              HRS
CFS             HRS        CFS
            .000        .0            1.332        .1            2.664        .0            3.996
.0           5.328        .0
            .666        .0            1.998        .1            3.330        .0            4.662
.0           5.994        .0

        RUNOFF VOLUME =     1.79488 INCHES     =        .0191 ACRE-FEET
        PEAK DISCHARGE RATE =        .50 CFS  AT   1.499 HOURS   BASIN AREA =   .0002 SQ.
MI.
```

****** BASIN 3 - (0.0602 ACRES) 0.000094 sq. mi.

```
COMPUTE NM HYD       ID=2 HYD NO=100.2 AREA=0.0001 SQ MI
                     PER A=0 PER B=18 PER C=0 PER D= 82
                     TP=0.1333 HR MASS RAINFALL=-1

          K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE
CONSTANT, N =  7.106420
          UNIT PEAK =   .32374    CFS   UNIT VOLUME =    .9663       B =   526.28      P60
= 1.6900
          AREA =      .000082 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300


          K =   .134159HR    TP =   .133300HR    K/TP RATIO =  1.006445     SHAPE
CONSTANT, N =  3.507492
          UNIT PEAK =   .43329E-01CFS   UNIT VOLUME =    .8684       B =   320.88      P60
= 1.6900
          AREA =      .000018 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300

     PRINT HYD            ID=2 CODE=24

                                   PARTIAL HYDROGRAPH   100.20

          TIME       FLOW              TIME       FLOW              TIME       FLOW              TIME
FLOW            TIME       FLOW
            HRS        CFS              HRS        CFS              HRS        CFS              HRS
CFS             HRS        CFS
            .000        .0            1.332        .1            2.664        .0            3.996
.0           5.328        .0
            .666        .0            1.998        .0            3.330        .0            4.662
.0           5.994        .0

        RUNOFF VOLUME =     1.64734 INCHES     =        .0088 ACRE-FEET
        PEAK DISCHARGE RATE =        .24 CFS  AT   1.499 HOURS   BASIN AREA =   .0001 SQ.
MI.
```

****** BASIN 4 - (0.2133 ACRES) 0.000333 sq. mi.

```
COMPUTE NM HYD        ID=2 HYD NO=100.2 AREA=0.0003 SQ MI
                      PER A=0 PER B=2 PER C=9 PER D= 89
                      TP=0.1333 HR MASS RAINFALL=-1

          K =    .072649HR    TP =    .133300HR    K/TP RATIO =    .545000     SHAPE
CONSTANT, N =  7.106420
          UNIT PEAK =    1.0541    CFS   UNIT VOLUME =    .9880       B =   526.28      P60
= 1.6900
          AREA =      .000267 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300
```

0.000300

```
          K =    .109350HR    TP =    .133300HR    K/TP RATIO =    .820327     SHAPE
CONSTANT, N =  4.354575
          UNIT PEAK =    .93617E-01CFS   UNIT VOLUME =    .8754       B =   378.16      P60
= 1.6900
          AREA =      .000033 SQ MI    IA =    .37727 INCHES    INF =    .90636 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300

     PRINT HYD            ID=2 CODE=24

                                        PARTIAL HYDROGRAPH   100.20

          TIME      FLOW            TIME      FLOW            TIME      FLOW            TIME
FLOW          TIME      FLOW
           HRS       CFS             HRS       CFS             HRS       CFS             HRS
CFS           HRS       CFS
          .000        .0            1.332       .2            2.664       .0            3.996
.0         5.328       .0
          .666        .0            1.998       .2            3.330       .0            4.662
.0         5.994       .0

          RUNOFF VOLUME =     1.76450 INCHES     =        .0282 ACRE-FEET
          PEAK DISCHARGE RATE =        .74 CFS  AT   1.499 HOURS   BASIN AREA =    .0003 SQ.
MI.


     FINISH

          NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 09:31:48
```

```
COMPUTE NM HYD        ID=2 HYD NO=100.2 AREA=0.0003 SQ MI
                      PER A=0 PER B=2 PER C=9 PER D= 89
                      TP=0.1333 HR MASS RAINFALL=-1

          K =    .072649HR    TP =    .133300HR    K/TP RATIO =    .545000     SHAPE
CONSTANT, N =  7.106420
          UNIT PEAK =   1.0541    CFS   UNIT VOLUME =    .9880       B =   526.28      P60
= 1.6900
          AREA =      .000267 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300
```

0.000300

```
          K =    .109350HR    TP =    .133300HR    K/TP RATIO =    .820327     SHAPE
CONSTANT, N =  4.354575
          UNIT PEAK =    .93617E-01CFS   UNIT VOLUME =    .8754       B =   378.16      P60
= 1.6900
          AREA =      .000033 SQ MI    IA =    .37727 INCHES    INF =    .90636 INCHES PER
HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
.033300

     PRINT HYD            ID=2 CODE=24

                                        PARTIAL HYDROGRAPH   100.20

          TIME       FLOW            TIME       FLOW            TIME       FLOW            TIME
FLOW           TIME       FLOW
           HRS        CFS             HRS        CFS             HRS        CFS             HRS
CFS            HRS        CFS
          .000        .0          1.332        .2          2.664        .0          3.996
.0          5.328        .0
          .666        .0          1.998        .2          3.330        .0          4.662
.0          5.994        .0

          RUNOFF VOLUME =     1.76450 INCHES     =        .0282 ACRE-FEET
          PEAK DISCHARGE RATE =        .74 CFS  AT   1.499 HOURS   BASIN AREA =    .0003 SQ.
MI.


     FINISH

          NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 09:31:48
```

POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14

New Mexico 35.0623 N 106.6514 W 4940 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 1, Version 3
G.M. Bonnin, D. Todd, B. Lin, T. Parzybok, M.Yekta, and D. Riley
NOAA, National Weather Service, Silver Spring, Maryland, 2003

Extracted: Thu Jul 28 2005

Confidence Limits | Seasonality | Location Maps | Other Info | Grids | Maps | Help | Docs

Precipitation Frequency Estimates (inches)

ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.22	0.33	0.41	0.55	0.68	0.77	0.81	0.94	1.04	1.19	1.31	1.50	1.68	1.84	2.28	2.72	3.31	3.81
5	0.29	0.44	0.55	0.74	0.91	1.02	1.06	1.20	1.30	1.48	1.63	1.84	2.05	2.25	2.78	3.28	3.96	4.55
10	0.35	0.53	0.65	0.88	1.09	1.21	1.26	1.41	1.52	1.71	1.88	2.12	2.35	2.58	3.15	3.70	4.41	5.09
25	0.42	0.64	0.80	1.07	1.33	1.48	1.53	1.69	1.80	2.02	2.21	2.49	2.73	3.02	3.63	4.22	4.98	5.73
50	0.48	0.73	0.90	1.22	1.51	1.69	1.74	1.90	2.02	2.26	2.47	2.77	3.02	3.35	3.98	4.60	5.37	6.17
100	0.54	0.82	1.02	1.37	1.69	1.91	1.97	2.13	2.23	2.50	2.72	3.06	3.31	3.68	4.32	4.95	5.73	6.58
200	0.60	0.92	1.13	1.53	1.89	2.14	2.20	2.35	2.46	2.75	2.98	3.34	3.59	4.00	4.64	5.29	6.04	6.95
500	0.68	1.04	1.29	1.74	2.15	2.45	2.52	2.67	2.76	3.08	3.32	3.72	3.95	4.42	5.04	5.70	6.40	7.37
1000	0.75	1.14	1.41	1.90	2.35	2.70	2.77	2.90	2.98	3.33	3.58	4.01	4.23	4.74	5.33	5.98	6.64	7.64

APPENDIX A

HYDROLOGY

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 2, 1999

Dennis Lorenz, PE
Brasher & Lorenz, Inc.
2201 San Pedro NE, Bldg. 1
Albuquerque, NM 87110

Re: Albuquerque Hispano Chamber of Commerce Grading and Drainage Plan
Engineer's Stamp dated 10-14-99 (L14/D47)

Dear Mr. Lorenz,

Based upon the information provided in your submittal dated 10-14-99, the above referenced site is approved for Building Permit and SO19 Permit.

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

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

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

Sincerely,

Brad Bingham

Bradley L. Bingham, PE
Hydrology Review Engineer

C: file
Pam Lujan

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

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

PUBLIC WORKS DEPARTMENT

December 2, 1999

INTEROFFICE CORRESPONDENCE HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division

FROM: Bradley L. Bingham PE, Hydrology Div., PWD

SUBJECT: **PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY DRAINAGE FILE NUMBER (L14/D47).**

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 Certificate of Occupancy.

Thank you for your cooperation and if you should have any questions and/or comments, please feel free to call me at 924-3986.

Attachment

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Albuquerque Hispano Chamber of Commerce ZONE ATLAS/DRNG. FILE #: L-14 D047

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

LEGAL DESCRIPTION: Lands of the Albuquerque Hispano Chamber of Commerce

CITY ADDRESS: 1309 4th Street SW

ENGINEERING FIRM: BRASHER & LORENZ, INC. CONTACT: Dennis Lorenz

ADDRESS: 2201 SAN PEDRO NE, BLD 1, STE 210 PHONE: (505) 888-6088

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: Garrett Smith, LTD CONTACT: George Newlands

ADDRESS: 514 Central Ave SW PHONE: 766-6968

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

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
X BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S.A.D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER _____ (SPECIFY)

DATE SUBMITTED: October 14, 1999

BY: Mark [illegible]

RECEIVED
OCT 14 1999
HYDROLOGY SECTION

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 10, 2001

Dennis A. Lorenz, P.E.
Brasher & Lorenz, Inc.
2201 San Pedro NE Building 1 Suite 210
Albuquerque, New Mexico 87110

RE: HISPANO CHAMBER OF COMMERCE (L-14/D47)
ENGINEER CERTIFICATION FOR PERMANENT CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 10/14/1999
ENGINEERS CERTIFICATION DATED 4/9/2001

Dear Mr. Lorenz:

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"

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 that 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

PROJECT TITLE: HISPANO CHAMBER OF COMMERCE ZONE ATLAS/DRNG. FILE#: L-14 / D47

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

LEGAL DESCRIPTION: Lands of the Albuquerque Hispano Chamber of Commerce

CITY ADDRESS: 1309 Fourth St SW

ENGINEERING FIRM: Brasher & Lorenz, Inc. CONTACT: Dennis Lorenz
ADDRESS: 2201 San Pedro NE Bldg. 1 Ste. 220 Albuquerque, New Mexico 87110 PHONE: 888-6088

OWNER: Albq Hispano Chamber of Commerce CONTACT: _____

ADDRESS: 1309 Fourth St SW PHONE: 842-9003

ARCHITECT: Garrett Smith CONTACT: George Newlands

ADDRESS: 514 Central SW PHONE: 766-6869

SURVEYOR: Engineer CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: Unknown CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

_____ YES
_____ NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: April 9, 2001

BY: DENNIS LORENZ

RECEIVED
APR 09 2001
HYDROLOGY SECTION

GARRETT SMITH LTD
DESIGN, ARCHITECTURE & DEVELOPMENT

1309 Fourth St

To whom it may concern.
The civil engineer Dennis Lorenz from Brasher Lorenz, for the Albuquerque Hispano Chamber of Commerce won't be back into the office until Monday March 26, 2001 at that time he will complete the-as built grading drainage as required for the Certificate of Occupancy. Please call if you have any questions.
Sincerely;

George Newlands

OK FOR 30 DAY TEMP

3/23/01

OUTSTANDING ISSUES ARE:

- SD 19
- DRIVEPAD
- CERTIFICATION by ENG.

514 CENTRAL SW
ALBUQUERQUE
NEW MEXICO
8 7 1 0 2
505/766-6968
FAX/243-4508