PUBLIC WORKS/HYDROLOGY

F17/D2F

0000 0000 0397

F17/D2F

25×10

0000 0000 0398

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

April 25, 1994

Ronald Bohannan
Tierra West Dev. Mgmt. Ser.
4600 Montgomery NE Suite #3
Albuquerque, NM 87109

RE: ENGINEER CERTIFICATION FOR CHILI'S/GRADY'S (F17-D2F)
CERTIFICATION STATEMENT DATED 4/19/94.

Dear Mr. Bohannan:

Based on the information provided on your April 21, 1994 submittal, Engineer Certification for the above referenced sites are acceptable.

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

Sincerely,

Bernie J. Montoya

Bernie J. Montoya, CE
Engineering Associate

BJM/dl/WPHYD/8438

c: Andrew Garcia
File

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

25×10

0000 0000 0399

DRAINAGE INFORMATION SHEET

PROJECT TITLE: CHILI'S/GRADY'S

ZONE ATLAS/DRNG. FILE #: F-17 / 102F

DRB #: 93-239

EPC #: Z-93-54

WORK ORDER #:

LEGAL DESCRIPTION: ALLWOODS SUBDIVISION TRACTS A-1-A & A-2-A

CITY ADDRESS: 5001 & 5011 SAN MATEO BLVD.

ENGINEERING FIRM: TIERRA WEST DEV. MAGT. SER — CONTACT: RONALD R. BOHANNAN

ADDRESS: 4600 MONTGOMERY NE SUITE #3, 87109 — PHONE: (505) 883-7592

OWNER: BRINKER INTERNATIONAL — CONTACT: KIM WILLIAMS

ADDRESS: 6820 LBJ FREEWAY, DALLAS, TX 75240 — PHONE: (214) 770-9433

ARCHITECT: VINCENT ASSOCIATION — CONTACT: KEN HOLLIFIELD

ADDRESS: 10015 TECHNOLOGY BLVD WEST #151, DALLAS, TX 75220 — PHONE: (214) 351-5400

SURVEYOR: WALKER SURVEYING — CONTACT: STEVE WALKER

ADDRESS: 424 SHIRK SW, ALBUQUERQUE, NM 87105 — PHONE: (505) 266-6209

CONTRACTOR: — CONTACT:

ADDRESS: — PHONE:

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

- ____ YES
- ____ 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
- ____ BUILDING PERMIT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY APPROVAL
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ S. A. D. DRAINAGE REPORT
- ____ DRAINAGE REQUIREMENTS
- X OTHER - GRADING CERTIFICATION

DATE SUBMITTED: 4/21/94

BY: RONALD R. BOHANNAN

RECEIVED
APR 21 1994
HYDROLOGY

25 x 10

0000 0000 0400

Tierra West Development
Management Services

April 21, 1994

Mr. Bernie J. Montoya
Engineer Associate
City Hydrology
Post Office Box 1293
Albuquerque, New Mexico 87103

RE: Engineering Certification for Chili's Restaurant F17-D2F

Dear Bernie:

Enclosed is a new copy of the certification for the above referenced project with your comments of April 4, 1994 incorporated. Specifically, the following items were added:

1. The as-built volume was calculated at 18,801 cubic feet.

2. The inlet and outlet as-built information was added with an as-built slope of 1.87% and 1.81% respectively.

3. The flow line as-builts on the deceleration lane and providing the one foot water block at the entrance.

4. Enclosed is a copy of the final punchlist for the work in the right-of-way. Please note the only items that need work relate to water and sewer improvements and not street work.

5. We have included the statement that the grades are in substantial compliance with the approved plan.

Should you need any additional information, please do not hesitate to call me.

Sincerely,

Ronald R. Bohannan, P.E.

Enclosure

cc: Kim Williams
Alfred Schulze

Job No 930011
RRB/cr

RECEIVED
APR 21 1994
HYDROLOGY DIVISION

4600 Montgomery Boulevard NE, Suite 3 • Albuquerque, NM 87109 • (505) 883-7592

25×10

0000 0000 0401

RECEIVED APR - 1 1994

JN 93001

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

March 28, 1994

Jerry Camilli
Cambro Construction
7424 Second St. NW
Albuquerque, NM 87107

Re: FINAL INSPECTION PROJECT NO. 4732.90 CHILI'S/GRADY'S IMPROVEMENTS

Dear Mr. Camilli:

A final inspection was done today for project 4732.90, Chili's/Grady's Improvements. The following punch list was generated.

Easement:

Public water and Sanitary Sewer easement to be granted if infrastructure to be approved as is. Easement also must be provided for two water meters.

Sanitary Sewer:

1. Manhole at McCleod Rd., sta. 13+01.63 Fill with grout the manhole step holes.
2. Re-work south invert to obtain smooth transition into existing flow at sta. 13+01.63.
3. Manhole at sta. 12+18.17. Remove steps, grout holes, grout around downside pipe at invert and clean manhole lid.
4. Manhole at sta. 10+00.00. Realign manhole rim. Remove steps and grout holes. Fill with grout the seams of manhole cylinders. Remove debris from invert. Clean manhole lid.
5. Mandrell test, air test and video tape new SAS.

Water:

Need valve cards.

Streets:

1. Provide asphalt seal to prevent additional raveling of asphalt on McCleod Rd. adjacent to P.C. at sta. 13+33.38.
2. All W.C. ramps to be re-worked to obtain 1/2" lip.

RECEIVED
APR 21 1994
HYDROLOGY DIVISION

25 x 10

0000 0000 0402

Distribution:

Ron Bohannon, Modernage, Inc.
Greg Krenick, Mark Goodwin & Assoc.
Jacob Baca, Street Maintenance
Sam Hall, Water Systems
Mike Esquibel, Sanitary Sewer
Glenn Jurgensen, Storm Drain Maintenance

Sincerely,

Andre Houle
Construction Management
Public Works Department

cc: project file 4732.90
RBG/Readers

25×10

0000 0000 0403

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

April 22, 1994

Greg Krenik
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR TEMPORARY CERTIFICATE OF OCCUPANCY RELEASE FOR GRADY'S AMERICAN GRILL (F17-D2F) CERTIFICATION STATEMENT DATED 4/18/94.

Dear Mr. Krenik:

Based on the information provided on your April 19, 1994 submittal, temporary Certificate of Occupancy release may be granted at this time.

Please be advised that for final Engineer Certification both Chili's and Grady's will need to be combined into one final Certification.

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

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl/WPHYD/8438

c: Andrew Garcia
File

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

25 × 10

0000 0000 0404

DI[illegible]GE INFORMATION SHEET

PROJECT TITLE: Grady's American Grill 5001 San Mateo NE ZONE ATLAS/DRNG.FILE#: F-17 / A2F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1990

CONTRACTOR: n/a CONTACT:
ADDRESS: PHONE:

PRE-DESIGN MEETING

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___
EPC NO. ___
PROJ NO. ___

TYPE OF SUBMITTAL

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

TYPE OF APPROVAL SOUGHT

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
X CERTIFICATION OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING / PAVING PERMIT APPROVAL
___ OTHER ___

DATE SUBMITTED: 4-18-94

BY: GREGORY J. KRENIK, P.E.

RECEIVED
APR 19 1994
HYDROLOGY DIVISION

25 x 10

0000 0000 0405

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

April 4, 1994

Ronald R. Bohannan
Tierra West Dev. Mgmt. Service
4600 Montgomery NE Suite #3
Albuquerque, NM 87109

RE: ENGINEER CERTIFICATION FOR CHILI'S BAR & GRILL (F17-D2F)
CERTIFICATION STATEMENT DATED 3/25/94.

Dear Mr. Bohannan:

Based on the information provided on your March 29, 1994 submittal, Engineer Certification for the above referenced site is not acceptable at this time for the following reasons:

1. As-built pond capacity required.

2. Pipe inlet and outlet as-built information, including as-built slope information.

3. As-built flowline elevations on the new deceleration lane to assure that the required one foot water block exists.

4. Provide a copy of construction approval from the appropriate Government Agency for construction within their Right-of-Way (S.O. 19).

5. Your certification statement must read that the grades are in substantial compliance with the approved plan dated 9/16/93.

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

Sincerely,

Bernie J. Montoya

Bernie J. Montoya, CE
Engineering Associate

BJM/dl/WPHYD/8438

c: File

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

25×10

0000 0000 0406

Alfred - Supere
Job# 8804807

B/dg. Permit # 2401077 Jn 1-94

Proj. No. 4732.90

DRAINAGE INFORMATION SHEET

PROJECT TITLE: CHILI'S/GRADY'S

ZONE ATLAS/DRNG. FILE #: F-17 / D2F

DRB #: 93-239

EPC #: Z-93-54

WORK ORDER #:

LEGAL DESCRIPTION: ALLWOODS SUBDIVISION TRACTS A-1-A & A-2-A

CITY ADDRESS: 5001 & 5011 SAN MATEO BLVD.

ENGINEERING FIRM: TIERRA WEST DEV. MAGT. SER — CONTACT: RONALD R. BOHANNAN

ADDRESS: 4600 MONTGOMERY NE SUITE #3, 87109 — PHONE: (505) 883-7592

OWNER: BRINKER INTERNATIONAL — CONTACT: KIM WILLIAMS

ADDRESS: 6820 LBJ FREEWAY, DALLAS, TX 75240 — PHONE: (214) 770-9433

ARCHITECT: VINCENT ASSOCIATION — CONTACT: KEN HOLLIFIELD

ADDRESS: 10015 TECHNOLOGY BLVD WEST #151, DALLAS, TX 75220 — PHONE: (214) 351-5400

SURVEYOR: WALKER SURVEYING — CONTACT: STEVE WALKER

ADDRESS: 424 SHIRK SW, ALBUQUERQUE, NM 87105 — PHONE: (505) 266-6209

CONTRACTOR: — CONTACT:

ADDRESS: — PHONE:

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

- ____ YES
- ____ 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
- ____ BUILDING PERMIT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY APPROVAL
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ S. A. D. DRAINAGE REPORT
- ____ DRAINAGE REQUIREMENTS
- x OTHER - GRADING CERTIFICATION C.O. Perm. & Temporary

RECEIVED MAR 29 1994 HYDROLOGY SECTION

DATE SUBMITTED: 3/25/94

BY: RONALD R. BOHANNAN

RECEIVED MAR 28 1994

25 × 10

0000 0000 0407

Tierra West Development
Management Services

March 25, 1994

247
0299

Mr. Fred Aguirre
City Hydrologist
Post Office Box 1293
Albuquerque, New Mexico 87103

Re: Grading Certification Chili's/Grady's

Dear Fred:

I have inspected the above referenced project and certify that the grades established for on the approved grading plan are in substantial compliance. The vertical information was supplied by Walker Surveying, who performed the staking of the walls and the vertical confirmation of the grades.

Should you have any questions concerning this letter or any other matter pertaining to this project, please do not hesitate to contact me.

Sincerely,

Ronald R. Bohannan, P.E.

Enclosure

cc: Kim Williams

Job No 930011
RRB/cr

RECEIVED
MAR 29 1994
HYDROLOGY DIVISION

RECEIVED
MAR 28 1994

4600 Montgomery Boulevard NE, Suite 3 • Albuquerque, NM 87109 • (505) 883-7592

25×10

0000 0000 0408

dmg D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200

March 28, 1994

Mr. Fred Aguirre, PE
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: Chili's Restaurant @ San Mateo and McLeod

Dear Mr. Aguirre:

I have absolutely no objections to Ronald Bohannan, PE, utilizing our drawings on the referenced project, dated 9/16/93, for preparation of Grading Certification and drawings.

Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Mark Goodwin

Mark Goodwin, P.E.

DMG:smr

RECEIVED
MAR 29 1994
HYDROLOGY DEPT.

RECEIVED
MAR 29 1994
HYDROLOGY DEPT.

0000 0000 0409

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

September 24, 1993

Mark Goodwin, P.E.
D.Mark Goodwin & Assoc.
P.O.Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR CHILI'S & GRADY'S GRILLS (F17/D2F)
RECEIVED SEPTEMBER 20, 1993 FOR MASTER PLAN APPROVAL
ENGINEER'S STAMP DATED 9/16/93.

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology APPROVES the Master Plan for this site.

An Interim Plan will be required if the whole site does not develop at the same time.

If you have any questions about this project, you may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.
Civil Engineer/Hydrologist

xc: Fred Aguirre
File

WPHYD+7656;jpc

25×10

0000 0000 0410

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

September 24, 1993

Mark Goodwin, P.E.
D.Mark Goodwin & Assoc.
P.O.Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR GRADY'S AMERICAN GRILL (F17/D2F)
RECEIVED SEPTEMBER 20, 1993 FOR BUILDING PERMIT APPROVAL
ENGINEER'S STAMP DATED 9/16/93.

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology APPROVES this project for Building Permit.

Include a copy of the Grading & Drainage plan in the set of construction document submitted to the One Stop for Building Permit.

Engineer's Certification of grading & drainage per the DPM checklist must be approved before any Certificate of Occupancy will be released.

If you have any questions about this project, you may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
Civil Engineer/Hydrology

JPC/dl/WPHYD/7656

xc: Alan Martinez
File

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

25×10

0000 0000 0411

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

September 24, 1993

Mark Goodwin, P.E.
D.Mark Goodwin & Assoc.
P.O.Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR CHILI'S BAR & GRILL (F17/D2F)
RECEIVED SEPTEMBER 20, 1993 FOR BUILDING PERMIT APPROVAL
ENGINEER'S STAMP DATED 9/16/93.

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology APPROVES this project for Building Permit.

Include a copy of the Grading & Drainage plan in the set of construction document submitted to the One Stop for Building Permit.

A separate permit is required for construction of private drainage facilities within the City Right-of-Way. A copy of this letter must be on hand when applying for the excavation permit.

Engineer's Certification of grading & drainage per the DPM checklist must be approved before any Certificate of Occupancy will be released.

If you have any questions about this project, you may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.
Civil Engineer/Hydrology

JPC/dl/WPHYD/7656

xc: Alan Martinez
Darlene Saavedra
File

25×10

DI[illegible]GE INFORMATION SHEET

PROJECT TITLE: Chili's Bar & Grill ZONE ATLAS/DRNG.FILE#: F-17 /02F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1990

CONTRACTOR: n/a CONTACT:
ADDRESS: PHONE:

PRE-DESIGN MEETING

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. 93-239
EPC NO. ___
PROJ NO. ___

TYPE OF SUBMITTAL

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

TYPE OF APPROVAL SOUGHT

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING / PAVING PERMIT APPROVAL
___ OTHER ___

DATE SUBMITTED: 9-16-93

BY: Mark Goodwin
Mark Goodwin, PE

SEP 20 [illegible]

25×10

0000 0000 0413

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Chili's Bar & Grill
Grady's American Grill

ZONE ATLAS/DRNG.FILE#: F-17 / DaF

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA — CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 — PHONE: 828-2200

OWNER: Brinker International — CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 — PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest — CONTACT: Marc Schiff
ADDRESS: 104 5th Street — PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying — CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G — PHONE: 884-1990

CONTRACTOR: n/a — CONTACT:
ADDRESS: — PHONE:

PRE-DESIGN MEETING

X YES
__ NO
__ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____
EPC NO. ____
PROJ NO. ____

TYPE OF SUBMITTAL

__ DRAINAGE REPORT
X DRAINAGE PLAN
__ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
__ EROSION PLAN
__ ENGINEER'S CERTIFICATION

TYPE OF APPROVAL SOUGHT

__ SKETCH PLAT APPROVAL
__ PRELIMINARY PLAT APPROVAL
X SITE DEVELOPMENT PLAN APPROVAL
__ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
__ FOUNDATION PERMIT APPROVAL
__ CERTIFICATION OF OCCUPANCY APPROVAL
__ ROUGH GRADING PERMIT APPROVAL
__ GRADING / PAVING PERMIT APPROVAL
X OTHER Master Plan

DATE SUBMITTED: 9-16-93

BY: Mark Goodwin
Mark Goodwin, PE

SEP 20 1993

25 x 10

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Grady's American Grill ZONE ATLAS/DRNG.FILE#: F-17/ D2F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 LBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1990

CONTRACTOR: n/a CONTACT:
ADDRESS: PHONE:

PRE-DESIGN MEETING

X YES
__ NO
__ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____
EPC NO. ____
PROJ NO. ____

TYPE OF SUBMITTAL

__ DRAINAGE REPORT
X DRAINAGE PLAN
__ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
__ EROSION PLAN
__ ENGINEER'S CERTIFICATION

TYPE OF APPROVAL SOUGHT

__ SKETCH PLAT APPROVAL
__ PRELIMINARY PLAT APPROVAL
__ SITE DEVELOPMENT PLAN APPROVAL
__ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
__ FOUNDATION PERMIT APPROVAL
__ CERTIFICATION OF OCCUPANCY APPROVAL
__ ROUGH GRADING PERMIT APPROVAL
__ GRADING / PAVING PERMIT APPROVAL
__ OTHER ____

DATE SUBMITTED: 9-16-93

BY: Mark Goodwin
Mark Goodwin, PE

SEP 20

0000 0000 0415

DRB Case No. 93-239
Project Number
Date Submitted
Prelim. Plat Approved

EXHIBIT "A"
to Subdivision Improvements Agreement
DEVELOPMENT REVIEW BOARD (DRB)REQUIRED INFRASTRUCTURE LISTING
for Chili's/Grady's Site Plan

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

UNIT I

Size	Type Improvement	Location	From	To
150'	Deceleration Taper	San Mateo Blvd.	San Mateo Blvd.	Entrance
65'	Bus Bay Lane	San Mateo Blvd.	McLeod Road	Deceleration
~~6"~~	~~Water PVC Line~~	~~McLeod Road~~	~~McLeod Road~~	~~South Pl~~ RPS
~~8"~~	~~SAS Gravity Line~~	~~McLeod Road~~	~~McLeod Road~~	~~South Pl~~ RPS
	Median modification	San Mateo Entrance	on San Mateo	RPS

Water Infrastructure to include
valves, fittings, valve boxes, fire hydrants as required

Sanitary Sewer to include
manholes, service connections as required

Prepared By: [signature]

Print Name: Ronald R. Bohannan

Firm: Tierra West Development Mgmt Services

****

Development Review Board Member Approvals

[signature] 7-13-93 — Transportation Dev. — Date

Robert W. Kane 7-13-93 — Utility Dev — Date

Colleen K. Fry 7-13- — ~~Cult. & Rec~~ Parks & Recreation — Date

[signature] 7-13-93 — City Engineer/AMAFCA — Date

[signature] 7-13-93 — DRB Chairman — Date

AMAFCA — Date

Page 1 of 1

25x10

0000 0000 0416

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

August 24, 1993

Mark Goodwin, P.E.
D.Mark Goodwin & Assoc.
P.O.Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR CHILI'S BAR & GRILL (F-17/D2F)
RECEIVED AUGUST 12, 1993 FOR BUILDING PERMIT APPROVAL
ENGINEER'S STAMP DATED 7/28/93

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology REJECTS this project for Building Permit.

The following comments must be addressed prior to Building Permit approval:

1. Make separate submittals for the Master Plan, Phase I and Phase II.

2. Check the sidewalk culvert southeast of Grady's. On the drawings submitted, it does not appear to be aligned with the curb properly.

3. On the Plan for Grady's American Grill, the curb & gutter around Grady's is shown as proposed when it should be existing.

If you have any questions about this project, you may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
Civil Engineer/Hydrologist

WPHYD+7656;jpc

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

25×10

0000 0000 0417

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Chili's Bar & Grill ZONE ATLAS/DRNG.FILE#: F-17 /102F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1950

CONTRACTOR: n/a CONTACT:
ADDRESS: PHONE:

PRE-DESIGN MEETING

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___
EPC NO. ___
PROJ NO. ___

TYPE OF SUBMITTAL

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

TYPE OF APPROVAL SOUGHT

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING / PAVING PERMIT APPROVAL
___ OTHER ___

DATE SUBMITTED: 8-11-93

BY: Mark Goodwin
Mark Goodwin, PE

AUG 12 1993

25 x 10

0000 0000 0418

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS

PROJECT Chili's / Grady's
SUBJECT Drainage
BY JMM DATE 3/24/93
CHECKED _____ DATE _____
SHEET 1 OF ____

This proposed development will involve three buildings at the southwest corner of San Mateo & McLeod. Existing run off conditions were evaluated utilizing AHYMO assuming this vacant property has been exposed to a substantial degree of human activity over the years.

The difference in runoff quantities between this and the proposed development will involve ponding at two locations with controlled discharge at the historic rate. Those quantities obtained from AHYMO are as follows:

	Drainage Area 1	Drainage Area 2	Total
Existing Peak Flow	7.09 cfs	4.70 cfs	11.79 cfs
Existing Runoff Volume	0.204 Ac Ft	0.135 Ac Ft	0.339 Ac Ft
Developed Peak Flow	13.74 cfs	9.33 cfs	23.08 cfs
Developed Runoff Volumes	0.504 Ac Ft	0.344 Ac Ft	0.847 Ac Ft
Allowable Peak Discharge	7.1 cfs	4.7 cfs	11.8 cfs
Required On-site Ponding	0.30 Ac Ft	0.21 Ac Ft	0.51 Ac Ft

Drainage Area No. 1 will be a sump / sub surface orifice - controlled drain, while Drainage Area No. 2 will involve a controlled-flow open channel, both discharging into McLeod.

25 x 10

3

0000 0000 0419

19-Mar-93

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
RUN DATE (MON/DAY/YR) = 03/23/1993
START TIME (HR:MIN:SEC) = 16:05:22 USER NO.= Z_GOODWN.S92
INPUT FILE = CHILI.DAT

START TIME=0.0

***** Hydrograph for the Chili's/Grady's Development at San Mateo & McLeod

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.05 IN RAIN SIX=2.39 IN

RAIN DAY=2.75 IN DT=0.03333 HR

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

DT = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0016	.0032	.0048	.0065	.0082	.0100
.0118	.0137	.0156	.0175	.0195	.0215	.0236
.0258	.0280	.0303	.0327	.0352	.0377	.0403
.0431	.0459	.0488	.0519	.0551	.0585	.0620
.0657	.0696	.0738	.0794	.0855	.0920	.1059
.1370	.1848	.2536	.3474	.4708	.6281	.8239
1.0629	1.2847	1.3774	1.4556	1.5252	1.5884	1.6467
1.7008	1.7514	1.7988	1.8434	1.8854	1.9252	1.9628
1.9984	2.0322	2.0643	2.0947	2.1236	2.1302	2.1364
2.1422	2.1477	2.1530	2.1581	2.1629	2.1676	2.1721
2.1764	2.1806	2.1847	2.1886	2.1924	2.1962	2.1998
2.2033	2.2067	2.2101	2.2133	2.2165	2.2197	2.2227
2.2257	2.2286	2.2315	2.2343	2.2371	2.2398	2.2424
2.2451	2.2476	2.2502	2.2526	2.2551	2.2575	2.2599
2.2622	2.2645	2.2668	2.2690	2.2712	2.2734	2.2755
2.2776	2.2797	2.2818	2.2838	2.2858	2.2878	2.2898
2.2917	2.2937	2.2956	2.2974	2.2993	2.3011	2.3029
2.3047	2.3065	2.3083	2.3100	2.3117	2.3134	2.3151
2.3168	2.3185	2.3201	2.3217	2.3233	2.3249	2.3265
2.3281	2.3296	2.3312	2.3327	2.3342	2.3357	2.3372
2.3387	2.3402	2.3416	2.3431	2.3445	2.3459	2.3473
2.3487	2.3501	2.3515	2.3529	2.3542	2.3556	2.3569
2.3583	2.3596	2.3609	2.3622	2.3635	2.3648	2.3661
2.3673	2.3686	2.3698	2.3711	2.3723	2.3735	2.3748
2.3760	2.3772	2.3784	2.3796	2.3808	2.3819	2.3831
2.3843	2.3854	2.3866	2.3877	2.3889	2.3900	

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.00490 SQ MI

PER A=55.0 PER B=0.0 PER C=45.0 PER D=0.0

TP=0.1333 HR MASS RAINFALL=-1

K = .136084HR TP = .133300HR K/TP RATIO = 1.020886 SHAPE CONSTANT, N = 3.457690
UNIT PEAK = 11.661 CFS UNIT VOLUME = .9991 B = 317.23
P60 = 2.0500

AUG 12 1993

25×10

0000 0000 0420

```
        AREA =       .004920 SQ MI     IA =     .51500 INCHES     INF =    1.29200 I
NCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330

    PRINT HYD            ID=1 CODE=1

                                          PARTIAL HYDROGRAPH   101.10

        RUNOFF VOLUME =       .78069 INCHES      =         .2040 ACRE-FEET
        PEAK DISCHARGE RATE =        7.09 CFS  AT    1.533 HOURS    BASIN AREA =
 .0049 SQ. MI.
```

D.A. 1

```
    ***** Hydograph for the Hasting's Development on McLeod Rd. NE

    COMPUTE NM HYD       ID=2 HYD NO=101.2 AREA=0.003246 SQ MI

                         PER A=55.0 PER B=0.0 PER C=45.0 PER D=0.0

                         TP=0.1333 HR MASS RAINFALL=-1

        K =    .136084HR     TP =    .133300HR     K/TP RATIO =  1.020886      SHAPE
CONSTANT, N =  3.457690
        UNIT PEAK =    7.7249     CFS    UNIT VOLUME =     .9985        B =    317.23
     P60 = 2.0500
        AREA =       .003246 SQ MI     IA =     .51500 INCHES     INF =    1.29200 I
NCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330

    PRINT HYD            ID=2 CODE=1

                                          PARTIAL HYDROGRAPH   101.20

        RUNOFF VOLUME =       .78069 INCHES      =         .1352 ACRE-FEET
        PEAK DISCHARGE RATE =        4.70 CFS  AT    1.533 HOURS    BASIN AREA =
 .0032 SQ. MI.
```

D.A. 2

```
    ADD HYD              ID=1 HYD NO=101.3 ID=1 ID=2

    PRINT HYD            ID=1 CODE=1

                                          PARTIAL HYDROGRAPH   101.30

        RUNOFF VOLUME =       .78066 INCHES      =         .3392 ACRE-FEET
        PEAK DISCHARGE RATE =       11.79 CFS  AT    1.533 HOURS    BASIN AREA =
 .0081 SQ. MI.
```

Total

AUG 1 2 1993

```
    FINISH
```

25×10

4

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 16:05:26

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
RUN DATE (MON/DAY/YR) = 03/23/1993
START TIME (HR:MIN:SEC) = 16:21:35 USER NO.= Z_GOODWN.S92
INPUT FILE = CHILI.DEL

START TIME=0.0

***** Hydrograph for the Chili's/Grady's Site - Developed Conditions

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.05 IN RAIN SIX=2.39 IN

RAIN DAY=2.75 IN DT=0.03333 HR

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

DT = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0016	.0032	.0048	.0065	.0082	.0100
.0118	.0137	.0156	.0175	.0195	.0215	.0236
.0258	.0280	.0303	.0327	.0352	.0377	.0403
.0431	.0459	.0488	.0519	.0551	.0585	.0620
.0657	.0696	.0738	.0794	.0855	.0920	.1059
.1370	.1848	.2536	.3474	.4708	.6281	.8239
1.0629	1.2847	1.3774	1.4556	1.5252	1.5884	1.6467
1.7008	1.7514	1.7988	1.8434	1.8854	1.9252	1.9628
1.9984	2.0322	2.0643	2.0947	2.1236	2.1302	2.1364
2.1422	2.1477	2.1530	2.1581	2.1629	2.1676	2.1721
2.1764	2.1806	2.1847	2.1886	2.1924	2.1962	2.1998
2.2033	2.2067	2.2101	2.2133	2.2165	2.2197	2.2227
2.2257	2.2286	2.2315	2.2343	2.2371	2.2398	2.2424
2.2451	2.2476	2.2502	2.2526	2.2551	2.2575	2.2599
2.2622	2.2645	2.2668	2.2690	2.2712	2.2734	2.2755
2.2776	2.2797	2.2818	2.2838	2.2858	2.2878	2.2898
2.2917	2.2937	2.2956	2.2974	2.2993	2.3011	2.3029
2.3047	2.3065	2.3083	2.3100	2.3117	2.3134	2.3151
2.3168	2.3185	2.3201	2.3217	2.3233	2.3249	2.3265
2.3281	2.3296	2.3312	2.3327	2.3342	2.3357	2.3372
2.3387	2.3402	2.3416	2.3431	2.3445	2.3459	2.3473
2.3487	2.3501	2.3515	2.3529	2.3542	2.3556	2.3569
2.3583	2.3596	2.3609	2.3622	2.3635	2.3648	2.3661
2.3673	2.3686	2.3698	2.3711	2.3723	2.3735	2.3748
2.3760	2.3772	2.3784	2.3796	2.3808	2.3819	2.3831
2.3843	2.3854	2.3866	2.3877	2.3889	2.3900	

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.00490 SQ MI 3.14 Ac

PER A=0.0 PER B=17.0 PER C=0.0 PER D=83.0

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE
CONSTANT, N = 7.106420
UNIT PEAK = 16.057 CFS UNIT VOLUME = .9987 B = 526.28
P60 = 2.0500
AREA = .004067 SQ MI IA = .10000 INCHES INF = .04000 I
NCHES PER HOUR

25×10

```
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330

        K =    .132570HR     TP =    .133300HR     K/TP RATIO =    .994525      SHAPE
 CONSTANT, N =  3.549967
        UNIT PEAK =    2.0244     CFS    UNIT VOLUME =     .9934        B =    323.96
      P60 = 2.0500
        AREA =       .000833 SQ MI     IA =     .50000 INCHES     INF =    1.25000 I
NCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330

    PRINT HYD            ID=1 CODE=1


                                        PARTIAL HYDROGRAPH    101.10


        RUNOFF VOLUME =      1.92670 INCHES      =         .5035 ACRE-FEET
        PEAK DISCHARGE RATE =       13.74 CFS  AT    1.500 HOURS    BASIN AREA =
.0049 SQ. MI.
```

D.A. 1

```
    ***** Hydograph for the Hasting's Tract on McLeod - Developed Conditions

    COMPUTE NM HYD       ID=2 HYD NO=101.2 AREA=0.003246 SQ MI

                         PER A=0.0 PER B=12.6 PER C=0.0 PER D=87.4

                         TP=0.1333 HR MASS RAINFALL=-1


        K =    .072649HR     TP =    .133300HR     K/TP RATIO =    .545000      SHAPE
 CONSTANT, N =  7.106420
        UNIT PEAK =    11.201     CFS    UNIT VOLUME =     .9984        B =    526.28
      P60 = 2.0500
        AREA =       .002837 SQ MI     IA =     .10000 INCHES     INF =     .04000 I
NCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330


        K =    .132570HR     TP =    .133300HR     K/TP RATIO =    .994525      SHAPE
 CONSTANT, N =  3.549967
        UNIT PEAK =    .99398     CFS    UNIT VOLUME =     .9868        B =    323.96
      P60 = 2.0500
        AREA =       .000409 SQ MI     IA =     .50000 INCHES     INF =    1.25000 I
NCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
=    .033330

    PRINT HYD            ID=2 CODE=1
```

25×10

0000 0000 0423


```
                                        PARTIAL HYDROGRAPH    101.20

        RUNOFF VOLUME =      1.98590 INCHES      =          .3438 ACRE-FEET
        PEAK DISCHARGE RATE =        9.33 CFS  AT    1.500 HOURS    BASIN AREA =
.0032 SQ. MI.
```

D.A. 2

```
    ADD HYD              ID=1 HYD NO=101.3 ID=1 ID=2

    PRINT HYD            ID=1 CODE=1

                                        PARTIAL HYDROGRAPH    101.30

        RUNOFF VOLUME =      1.95022 INCHES      =          .8473 ACRE-FEET
        PEAK DISCHARGE RATE =       23.08 CFS  AT    1.500 HOURS    BASIN AREA =
.0081 SQ. MI.
```

Total

```
    FINISH

        NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 16:21:40
```

HYDROLOGY DIVISION

25×10

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

PROJECT CHILIS & GRADYS
SUBJECT DRAINAGE CALCS
BY GJK DATE 5-3-93
CHECKED _____ DATE _____
SHEET 7 OF ____

DRAINAGE AREA 1 (PARKING LOT PONDING)

ALLOWABLE DISCHARGE = 7.1 CFS

AT 1% SLOPE A 15" PIPE IS REQUIRED

THIS IS NO GOOD BECAUSE PIPE NEEDS TO PASS THRU CURB

REQUIRED PONDING = 0.30 ACFT = 0.504 − 0.204
= 13,068 CF

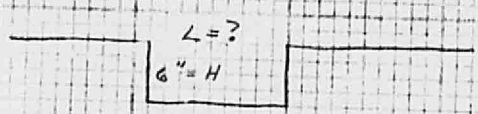
CONTOUR	AREA (SF)	VOLUME (CF)
1.8	0	
2.0	2,745	274.50
2.5	7,740	2,621.25
3.0	14,517	5,564.25
3.6	22,806	11,196.90
	TOTAL	19,656.9 > 13,068 CF OK

DRAINAGE AREA 2

ALLOWABE DISCHARGE = 4.7 CFS

SIZE WEIR

REQUIRED PONDING AREA = 0.21 ACFT = .344 − .135
= 9,148 CF



$Q = 3.13 L H^{1.5}$

STAGE	Q WEIR (CFS) L=2	Q WEIR (CFS) L=4
0	0	0
1"	0.13059	0.30118
2"	0.42544	0.85188
3"	0.78250	1.56500
4"	1.20472	2.40944
5"	1.68367	3.36734
6"	2.21324	4.42648 OK FOR SUM AREA 2

VOLUME OF POND 1.75 × 5330 SF = 9327 CF

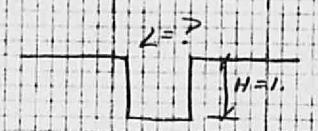
9327 > 9148 OK

RESIZE WEIR FOR H = 1.75

0000 0000 0425

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

PROJECT CHILI'S & GRADY'S
SUBJECT DRAINAGE CALCS
BY GSK DATE 5-1-93
CHECKED _____ DATE _____
SHEET 8 OF ____



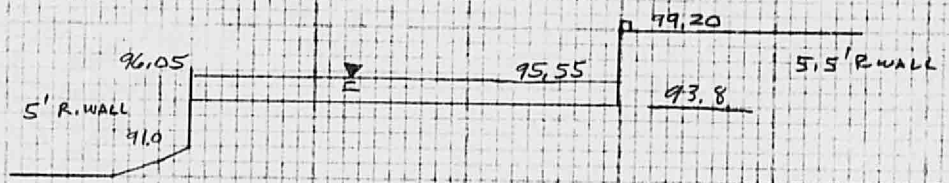
$Q = 3.134 H^{1.5}$

Try $L = 7.80'' = 0.65'$

STAGE	Q weir (cfs)
93.8	0
94.3	0.7193
94.8	2.0345
95.3	3.7376
95.55	4.7099

or 4.7 cfs

OK



25×10

0000 0000 0426

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

PROJECT CHILI'S & GRADY'S
SUBJECT DRAINAGE CALCS
BY GSK DATE 5-4-93
CHECKED _____ DATE _____
SHEET 9 OF ____

SIZE PIPE FROM CATCH BASIN IN AREA 1

- ALLOWABE DISCHARGE = 7.1 CFS
- SINCE PIPE HAS TO PASS THROUGH CURB LIMITATIONS ARE SET AND A 4"DIA PIPE MUST BE USED.

GRATE = 101.8

2' COVER

INV. = 99.4

OUTLET INV. = 96.0

LENGTH OF PIPE = 280 FT

SLOPE = $\frac{99.4-96}{280} = 0.01214$

- C FOR PVC = 0.011
- FROM NOMO (see sheet 10) Check Orface Capacity

[redacted] $\Delta H = \left(\frac{Q}{CA}\right)^2 / 2g = .354'$

- TIME TO DRAIN

$$\frac{13{,}068}{0.25\ (60)(60)} = 14.52 \text{ HOURS}$$

USE 2-4" PIPES

TIME TO DRAIN = 7.26 HOURS

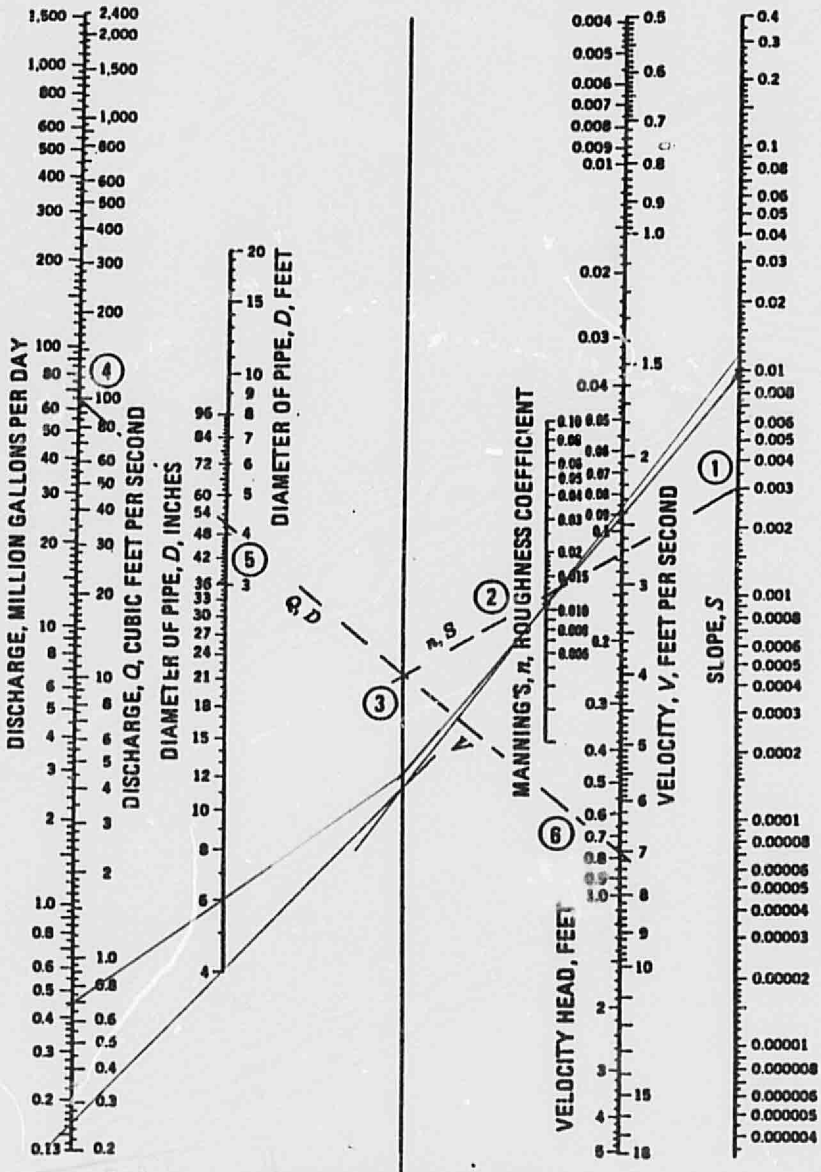
2-6" Pipe @ 1% $Q_c = 2(.7) = 1.4$ cfs

25×10

0000 0000 0427

10

Reference: American Concrete Pipe Association (1980).



B) Circular Pipe Solution

25×

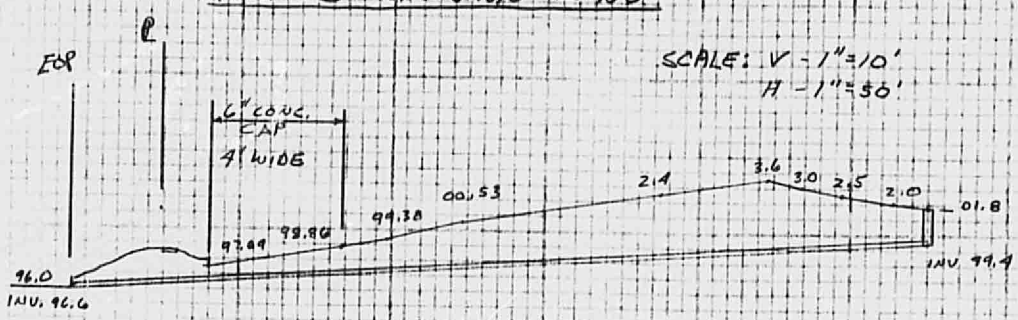
0000 0000 0428

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

PROJECT CHILI'S & GRADY'S
SUBJECT DRAINAGE CALCS
BY GJK DATE 5-4-93
CHECKED _____ DATE _____
SHEET 11 OF ____

PROFILE DRAINAGE LINE

SCALE: V - 1" = 10'
H - 1" = 50'



25 × 10

0000 0000 0429

Chili's Bar & Grill F-17/D2F

Verbal Comments to
Mark Goodwin 8-10-93

Site Dev Plan Approved

~~Sub~~ Do the following prior to Building Permit Approval:

1. Submit calcs for Proposed Storm Drain system, Storage Volumes, Treatment %, & Wier Capacity.

2. Label Trench Drains, & Locate Weir Detail.

John P Curtin

25×10

0000 0000 0430

Diamond Shamrock

Larry Parker
303-745-7448

Jane Thurber
268-2266

25×10

0000 0000 0431

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Chili's Bar & Grill ZONE ATLAS/DRNG.FILE#: F-17/D2F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1990

CONTRACTOR: n/a CONTACT: ____
ADDRESS: ____ PHONE: ____

PRE-DESIGN MEETING

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____
EPC NO. ____
PROJ NO. ____

TYPE OF SUBMITTAL

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

TYPE OF APPROVAL SOUGHT

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING / PAVING PERMIT APPROVAL
___ OTHER ____

DATE SUBMITTED: 7/29/93

BY: Mark Goodwin
Mark Goodwin, PE

RECEIVED JUL 29 HYDROLOGY

25×10

0000 0000 0432

dmg D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200

July 29, 1993

Mr. John Curtin
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: Chili's Bar & Grill (F-17/D2F)

Dear Mr. Curtin:

Attached please find two copies of three separate drawings for the referenced project. We are submitting for Building Permit for the two restaurants at this time.

The reason for the three drawings is that the project will be bid as three separate projects in phases. The first phase will be Chili's and the pad for Grady's. The second phase will be the Grady's building. The third phase will complete the site to the west. You will note that the plan for Chili's includes interim measures until the third phase is completed.

We have addressed your concerns stated in your letter dated April 5, 1993 regarding the conceptual plan and hope that all issues are now resolved. If not, please contact our office.

Sincerely,

D. MARK GOODWIN AND ASSOCIATES, P.A.

Mark Goodwin

Mark Goodwin, P.E.

DMG:smr

Attachments

25×10

0000 0000 0433

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

April 5, 1993

Mark Goodwin, P.E.
D.Mark Goodwin & Assoc.
P.O.Box 90606
Albuqueruqe, N.M. 87199

RE: CONCEPTUAL GRADING & DRAINAGE PLAN FOR CHILI'S BAR & GRILL (F-17/D2F)
RECEIVED MARCH 29, 1993 FOR SITE DEVELOPMENT PLAN APPROVAL
ENGINEER'S STAMP DATED 3/26/93

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology APPROVES the Site Development Plan for this project.

The following comments should be addressed before the next submittal:

1. Indicate the boundary between the two drainage basins.
2. Check profile of 6" PVC storm drain line for adequate cover.
3. Parking lot in front of proposed Hastings slopes steeply at south end.

If you have any questions about this project, you may contact me at 768-2727.

Sincerely,

John P. Curtin

John P. Curtin, P.E.
PWD/Hydrology

xc: Fred Aguirre, DRB

WPHYD+7656;jpc

25 x 10

0000 0000 0434

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Chili's Bar & Grill ZONE ATLAS/DRNG.FILE#: F-17 /2F

LEGAL DESCRIPTION: Tract A, Allwoods Subdivision
CITY ADDRESS: McLeod and San Mateo

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: Brinker International CONTACT: Ms. Kim Woodard
ADDRESS: 6820 CBJ Frway, Dallas, TX 75240 PHONE: (214) 770-9433

ARCHITECT: Design Collaborative Southwest CONTACT: Marc Schiff
ADDRESS: 104 5th Street PHONE: 843-9639

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3916 Carlisle NE #G PHONE: 884-1990

CONTRACTOR: n/a CONTACT: ____
ADDRESS: ____ PHONE: ____

PRE-DESIGN MEETING

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____
EPC NO. ____
PROJ NO. ____

RECEIVED MAR 29 1993 HYDROLOGY SECTION

TYPE OF SUBMITTAL

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

TYPE OF APPROVAL SOUGHT

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
X SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING / PAVING PERMIT APPROVAL
___ OTHER ____

DATE SUBMITTED: 3/26/93

BY: Mark Goodwin
Mark Goodwin, PE

7656

25×10

0000 0000 0435

PLANS/PLATS ON FILE

FILE DESC: F17/D2F

PLANS/PLATS 4

25×10

25×10