



# *City of Albuquerque*

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 3, 1994

Joe Kelley  
Chavez-Grievess Consulting Engineers, Inc.  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: ENGINEER CERTIFICATION FOR MCDONALD'S @ COORS & QUAIL NW  
(H11-D42) CERTIFICATION STATEMENT DATED 7/11/94.

Dear Mr. Kelley:

Based on the information provided on your July 11, 1994 submittal, Engineer Certification for the above referenced site is acceptable.

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

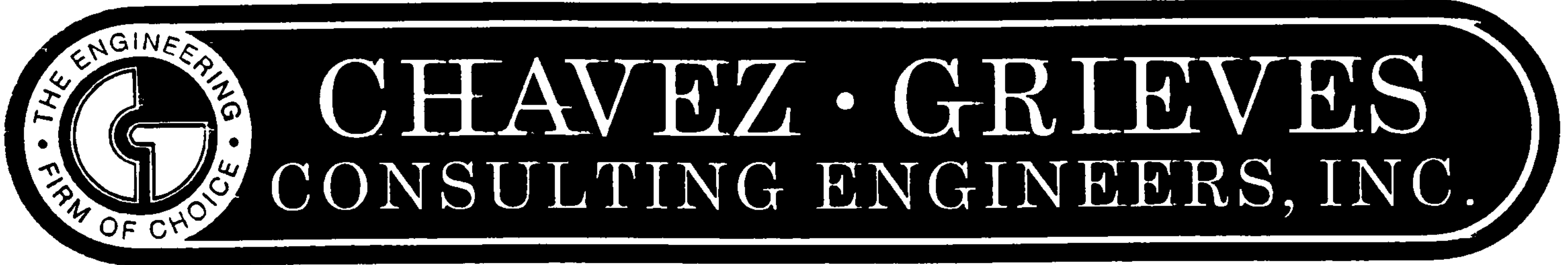
Sincerely,

Bernie J. Montoya, CE  
Engineering Associate

BJM/d1/WPHYD/7916

c: Andrew Garcia  
File

H-11/D42



5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

**GRADING AND DRAINAGE PLAN**

**FOR**

**McDONALD'S RESTAURANT**

**AT**

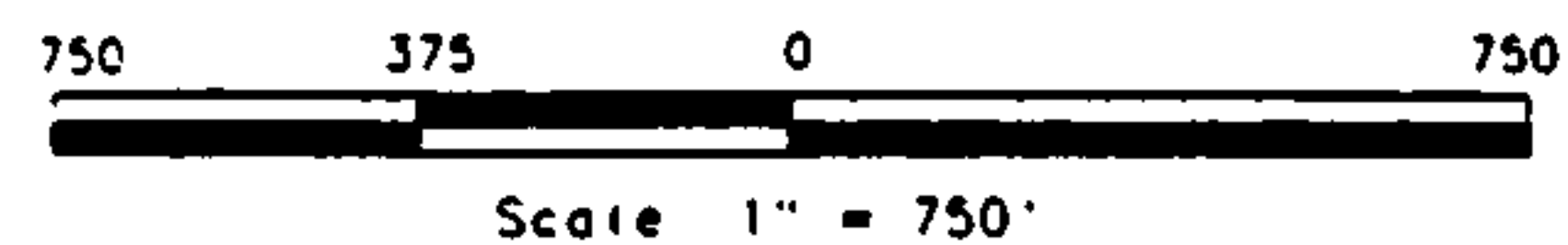
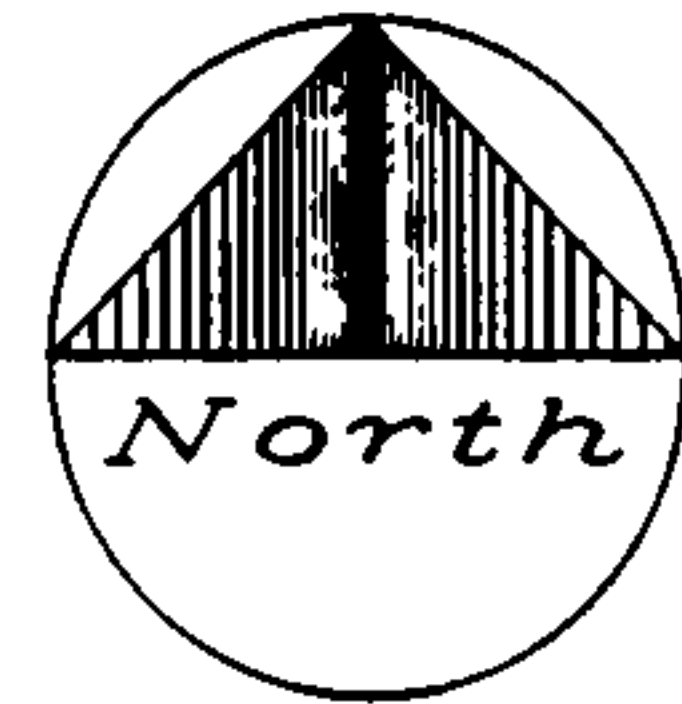
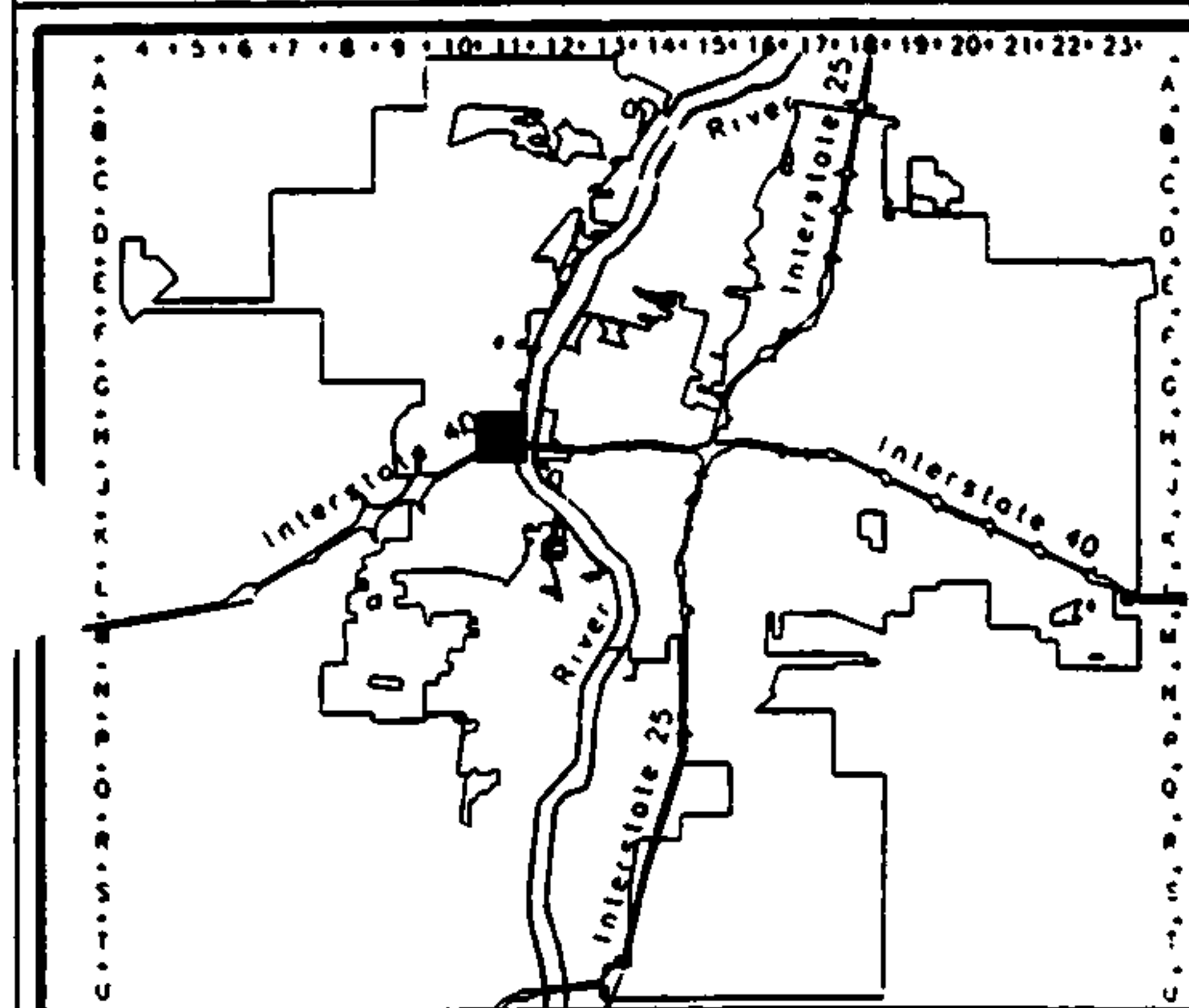
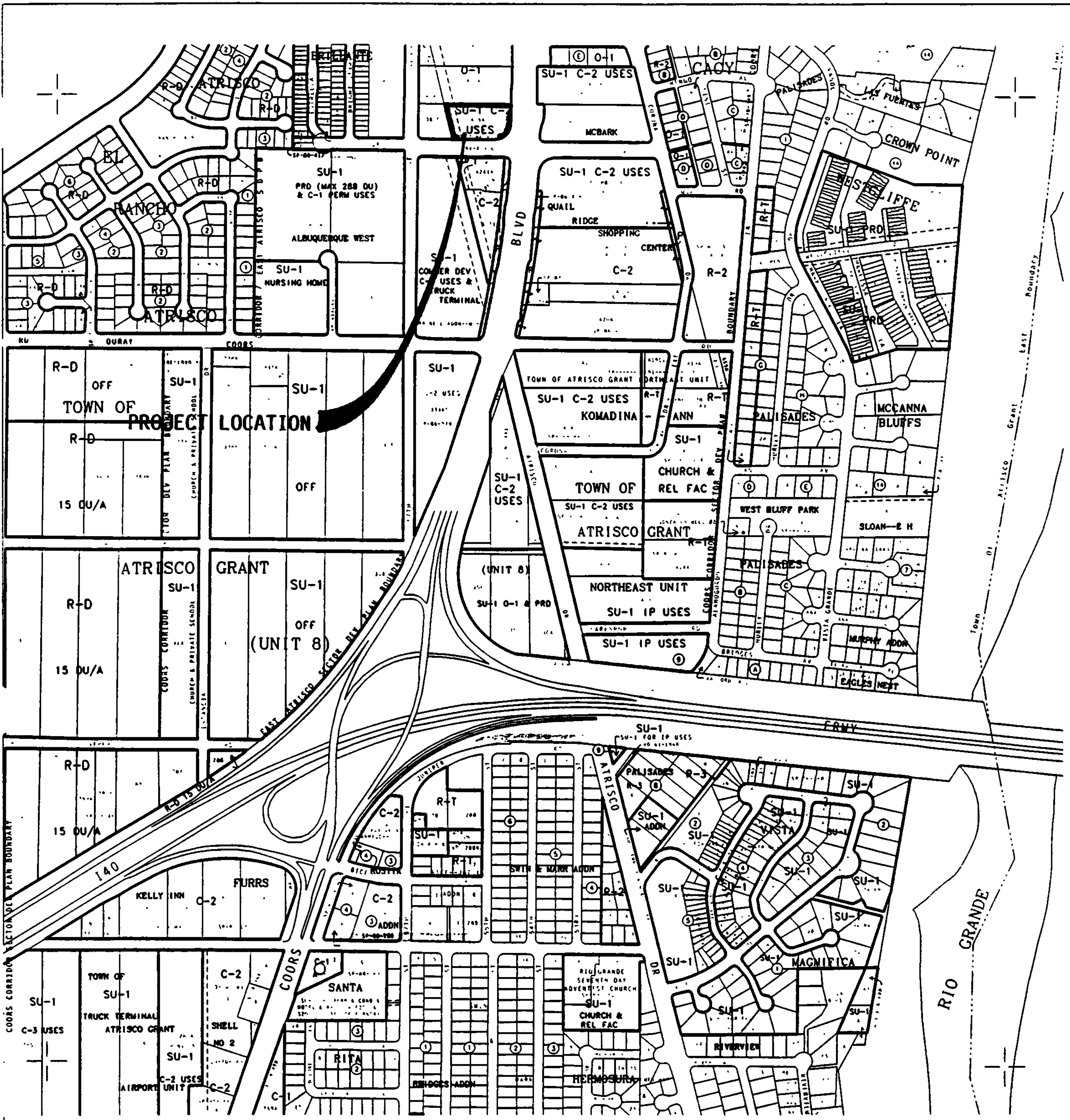
**COORS ROAD AND QUAIL ROAD, NW**

OCT 12 1993

**SEPTEMBER 30, 1993**

I certify that I am a registered professional engineer  
in the state of New Mexico and that this report was  
prepared by me or under my supervision.

*Joe Kelley*  
\_\_\_\_\_  
JOE P. KELLEY  
NEW MEXICO  
9996  
REGISTERED PROFESSIONAL ENGINEER  
9/30/93



**A**lbuquerque **G**eographic **I**nformation **S**ystem  
 City of Albuquerque  
 © Planning Department July 03, 1993

**LEGAL DESCRIPTION**  
 T10N  
 R2E  
 SEC 11

**UNIFORM PROPERTY CODE**  
 1-011-059

**H-11-Z**



## **CONCEPTUAL GRADING AND DRAINAGE PLAN**

### **LOCATION**

THIS SITE IS LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF COORS ROAD, NW AND QUAIL ROAD, NW WITHIN THE COORS CORRIDOR PLAN AREA.

### **LEGAL DESCRIPTION**

TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT.

### **ZONING AND SURROUNDING DEVELOPMENT**

THE TRACT IS ZONED SU-1 FOR C-2, COMMUNITY COMMERCIAL ZONE. THE SITE IS TO BE DEVELOPED AS A MCDONALD'S RESTAURANT, WHICH CONFORMS TO THE C-2 DESIGNATION. THE LAND TO THE NORTH OF THE SITE IS ZONED O-1 FOR OFFICE AND INSTITUTIONAL USE, AND IS VACANT. THE LAND WEST OF THE SITE IS ALSO ZONED O-1, AND HAS BEEN DEVELOPED AS A PARKING LOT FOR A NEARBY HEALTH CARE FACILITY. THE LAND ON THE SOUTH SIDE OF QUAIL ROAD IS ZONED C-2 AND IS DEVELOPED AS A GAS STATION.

### **FLOOD HAZARD ZONES**

AS SHOWN BY PANEL 3500020021 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS FOR THE CITY OF ALBUQUERQUE, DATED OCTOBER 14, 1983, THE SITE IS NOT IN OR ADJACENT TO A DESIGNATED FLOOD HAZARD ZONE.

### **EXISTING SITE CONDITIONS AND DRAINAGE PATTERN**

THE SITE IS PRESENTLY UNDEVELOPED AND SLOPES FROM THE WEST DOWN TO THE EAST AT ABOUT 0.5%. THE GROUND IS VEGETATED WITH NATIVE GRASSES. NO OFF-SITE RUNOFF DISCHARGES ONTO THE SITE. THIS SITE AND THE TRACT TO THE NORTH ARE UNDEVELOPED LAND IN AN INFILL AREA. TOGETHER, THE TWO SITES ARE IN A DEPRESSED POCKET OF LAND THAT IS SURROUNDED BY HIGHER PAVED SURFACES. THERE IS A PARKING LOT ON THE WEST THAT SITS SLIGHTLY ABOVE THIS SITE. CURB AND GUTTER CREATE A BARRIER ON THE EAST AND ON THE SOUTH ADJACENT TO THE CITY STREETS.

A SIDEWALK CULVERT WAS BUILT TO DRAIN THIS SITE ONTO COORS ROAD. A SINGLE "C" STORM INLET IS AT THE NORTHWEST CORNER OF COORS AND QUAIL, ADJACENT TO THIS SITE.

TWO DRIVEWAYS HAVE BEEN BUILT ON QUAIL ROAD TO SERVE THIS SITE.

## **RELATED REPORTS**

THIS SITE IS IN AN AREA COVERED BY THE WEST BLUFF DRAINAGE PLAN, A PLAN PREPARED BY ANDREWS, ASBURY, AND ROBERT IN JANUARY, 1967. A RELATED REPORT, THE LADERA DIVERSION TO WEST BLUFF OUTFALL, NOTES THE FOLLOWING:

THIS SECTION GIVES A BRIEF DESCRIPTION OF THE DRAINAGE HISTORY FOR THE LADERA AND WEST BLUFF DRAINAGE AREAS. IT SHOULD BE NOTED THAT THE HYDROLOGY IN THIS REPORT AND THE PREVIOUS REPORTS REFERENCED ARE BASED ON FREE DISCHARGE FOR ULTIMATE DEVELOPMENT. IN OTHER WORDS, NO ON-SITE PONDING WAS ASSUMED.

ANOTHER REPORT OUTLINES THE HYDROLOGIC DESIGN OF THE SITE IN MORE DETAIL: THE COORS WIDENING STORM SEWER BY BOHANNAN-HUSTON IN APRIL, 1986. THIS REPORT SHOWS THE DRAINAGE AREA TO HAVE FREE DISCHARGE FROM THE SITE INTO THE STORM DRAIN ON COORS ROAD.

## **PROPOSED SITE CONDITIONS AND BASIN DEVELOPMENT PLAN**

THE MAJORITY OF THE SITE WILL BE COVERED BY IMPERVIOUS ROOF AND PAVEMENT SURFACES. ABOUT 20% OF THE SITE WILL BE LANDSCAPING.

BASIN A WILL DISCHARGE TO A NEW DOUBLE 24" SIDEWALK CULVERT DISCHARGING INTO COORS ROAD.

OF THE TWO EXISTING DRIVEWAYS ON QUAIL ROAD, THE EAST DRIVEWAY WILL BE REMOVED, AND THE WEST DRIVEWAY WILL BE USED AS AN ENTRANCE FOR THIS SITE. BASIN B WILL DISCHARGE INTO QUAIL ROAD VIA THIS DRIVEWAY.

BASIN C IS A NEW LANDSCAPED AREA BEHIND THE NEW OFFICE BUILDING. A RETENTION POND HAS BEEN DESIGNED FOR BASIN B. IT HAS BEEN SIZED TO HOLD THE 100-YEAR, 10-DAY RUNOFF AS REQUIRED BY THE DPM. RETENTION PONDS ARE NOT USUALLY ALLOWED IN THE CITY OF ALBUQUERQUE. IN THIS CASE, IT IS FELT THAT A RETENTION POND IS WARRANTED FOR THE FOLLOWING REASONS:

1. IN ORDER TO KEEP BASIN C FROM DRAINING OFF-SITE, IT WAS NECESSARY TO MAKE BASIN C LOWER THAN THE UNDEVELOPED TRACT TO THE NORTH, AND LOWER THAN THE SLIGHT RIDGE TO THE WEST. BECAUSE THESE CONSTRAINING SURFACES ARE ALREADY LOW (RELATIVE TO THE EXISTING PAVED SURFACES ON COORS AND QUAIL), THE ONLY WAY TO MAKE BASIN C LOWER THAN THE ADJACENT PROPERTY WAS TO CREATE A DEPRESSION IN BASIN C.
2. IT WOULD BE POSSIBLE TO DISCHARGE BASIN C OFF-SITE IF THE DEPRESSION IN BASIN C COULD DISCHARGE TO THE PAVED SURFACES OF COORS OR QUAIL. DUE TO THE ELEVATIONS ON COORS AND QUAIL, THIS IS NOT POSSIBLE.

3. A PRIVATE STORM DRAIN COULD BE BUILT CONNECTING TO THE EXISTING INLET ADJACENT TO THIS SITE AT THE COORS/QUAIL INTERSECTION. THIS WOULD CREATE A SIPHON THAT DISCHARGES RUNOFF FROM THE HGIHER POIINT (THE PAVED SURFACES OF COORS AND QUAIL) TO A LOWER POINT (THE RETENTION POND). THIS IS NOT ACCEPTABLE. IT WOULD ALSO REQUIRE A LENGTHY AND EXPENSIVE CONNECTING PIPE REQUIRING CONSTANT MAINTENANCE.
4. THE VOLUME OF BASIN C RUNOFF IS VERY MINIMAL: 335 CF. SINCE THE VOLUME IS SO SMALL, IT SEEMS UNREASONABLE TO GO TO GREAT EXPENSE TO DISCHARGE IT TO THE STORM SYSTEM.
5. THE NEW RETENTION POND WILL BE IN A LANDSCAPED AREA. IT WILL HAVE AN EMERGENCY OVERFLOW TO PAVED SURFACES THAT CONNECT TO QUAIL ROAD WITH A POSITIVE GRADIENT. THE EMERGENCY OVERFLOW IS 2.9' LOWER THAN THE NEW FINISHED FLOOR. THE POND DOES NOT ENDANGER ANY NEW OR EXISTING PROPERTY.

#### CONCLUSION

THIS SITE COMPLIES WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE. IT HAS BEEN DESIGNED TO DISCHARGE FREELY TO THE SURROUNDING STREETS IN ACCORDANCE WITH PRIOR DRAINAGE REPORTS.

**AHYMO HYDROLOGIC MODEL**  
**COMPUTER OUTPUT**



AHYMO PROGRAM (AHYMO392) - AMAPCA VERSION OF HYMO - MARCH, 1992  
 RUN DATE (MON/DAY/YR) = 09/22/1993  
 START TIME (HR:MIN:SEC) = 06:31:22      USER NO.= J\_KELLY\_.S92  
 INPUT FILE = AHYMOOR.IN

\*\*\*\*\* CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC. \*\*\*\*\*  
 \*\* HYDROLOGIC CALCULATIONS USING THE COMPUTERIZED HYDROLOGIC  
 \*\* MODEL AHYMO, IN ACCORDANCE WITH SECTION 22.2, HYDROLOGY OF  
 \*\* THE CITY OF ALBUQUERQUE'S DEVELOPMENT PROCESS MANUAL, JAN.,  
 \*\* 1993.

\*\*\*\*\*  
 \*\* AHYMO RUN FOR MCDONALDS AT THE COORS/QUAIL INTERSECTION--  
 \*\* ALBUQUERQUE, NEW MEXICO  
 \*\* FILENAME: C:\MCDONALD\AHYMO.IN/OUT  
 \*\* 100-YEAR, 6-HOUR STORM  
 \*\* DATE: SEPTEMBER 28, 1993  
 \*\*

START                    0.00  
 RAINFALL                TYPE=1 RAIN QUARTER=0.0 RAIN ONE=1.90  
                          RAIN SIX=2.25 RAIN DAY=2.65 DT=0.03333

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.  
 DT = .033330 HOURS                    END TIME = 5.999400 HOURS

.0000	.0018	.0036	.0055	.0074	.0094	.0114
.0134	.0155	.0177	.0199	.0222	.0245	.0269
.0293	.0319	.0345	.0372	.0399	.0428	.0458
.0489	.0521	.0554	.0589	.0625	.0663	.0703
.0745	.0789	.0836	.0888	.0944	.1004	.1133
.1421	.1865	.2502	.3372	.4515	.5973	.7788
1.0003	1.2059	1.2918	1.3643	1.4288	1.4874	1.5414
1.5916	1.6384	1.6823	1.7237	1.7627	1.7995	1.8344
1.8674	1.8987	1.9284	1.9566	1.9834	1.9898	1.9958
2.0014	2.0068	2.0120	2.0169	2.0216	2.0262	2.0306
2.0349	2.0390	2.0430	2.0469	2.0507	2.0543	2.0579
2.0614	2.0648	2.0681	2.0713	2.0745	2.0776	2.0806
2.0836	2.0865	2.0894	2.0922	2.0949	2.0976	2.1003
2.1029	2.1055	2.1080	2.1105	2.1129	2.1153	2.1177
2.1201	2.1224	2.1247	2.1269	2.1291	2.1313	2.1335
2.1356	2.1377	2.1398	2.1418	2.1439	2.1459	2.1478
2.1498	2.1517	2.1537	2.1555	2.1574	2.1593	2.1611
2.1629	2.1647	2.1665	2.1683	2.1700	2.1718	2.1735
2.1752	2.1769	2.1785	2.1802	2.1818	2.1834	2.1850
2.1866	2.1882	2.1898	2.1914	2.1929	2.1944	2.1959
2.1975	2.1990	2.2004	2.2019	2.2034	2.2048	2.2063
2.2077	2.2091	2.2105	2.2119	2.2133	2.2147	2.2161
2.2174	2.2188	2.2201	2.2215	2.2228	2.2241	2.2254
2.2267	2.2280	2.2293	2.2306	2.2318	2.2331	2.2343
2.2356	2.2368	2.2381	2.2393	2.2405	2.2417	2.2429
2.2441	2.2453	2.2465	2.2476	2.2488	2.2500	

\*\*\*\*\* EXISTING BASIN \*\*\*\*\*  
 COMPUTE NM HYD      ID=1    HYD=101    DA=.0024 SQ MI



%A=100.0 %B=0.0 %C=0.0 %D=0.0  
TP=0.1333 RAINFALL=-1

K = .162928HR TP = .133300HR K/TP RATIO = 1.222262 SHAPE CONSTANT, N = 2.911962  
UNIT PEAK = 4.9434 CFS UNIT VOLUME = .9968 B = 274.56 P60 = 1.9000  
AREA = .002400 SQ MI IA = .65000 INCHES INF = 1.67000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.00

RUNOFF VOLUME = .46393 INCHES = .0594 ACRE-Feet  
PEAK DISCHARGE RATE = 2.10 CFS AT 1.533 HOURS BASIN AREA = .0024 SQ. MI.

\*\*\*\*\* DEVELOPED BASINS \*\*\*\*\*

\*\* THIS SITE WAS PLANNED FOR FREE DISCHARGE TO THE STREET  
\*\* AND STORM DRAIN, IN ACCORDANCE WITH THE WEST BLUFF MASTER  
\*\* DRAINAGE PLAN.

\*\*\*\*\* BASIN A

\*\* BASIN A DISCHARGES TO COORS BLVD VIA A NEW SIDEWALK CULVERT.

COMPUTE NM HYD ID=1 HYD=201 DA=.001176 SQ MI  
%A=0.0 %B=5.0 %C=0.0 %D=95.0  
TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420  
UNIT PEAK = 4.4108 CFS UNIT VOLUME = .9969 B = 526.28 P60 = 1.9000  
AREA = .001117 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .130761HR TP = .133300HR K/TP RATIO = .980950 SHAPE CONSTANT, N = 3.599930  
UNIT PEAK = .14449 CFS UNIT VOLUME = .9093 B = 327.55 P60 = 1.9000  
AREA = .000059 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 201.00

RUNOFF VOLUME = 1.94867 INCHES = .1222 ACRE-Feet  
PEAK DISCHARGE RATE = 3.27 CFS AT 1.500 HOURS BASIN AREA = .0012 SQ. MI.

\*\*\*\*\* BASIN B

\*\* BASIN B DISCHARGES TO QUAIL ROAD VIA THE EXISTING DRIVEWAY.

COMPUTE NM HYD ID=2 HYD=202 DA=.000703 SQ MI

%A=0.0 %B=10.0 %C=0.0 %D=90.0  
TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420  
UNIT PEAK = 2.4979 CFS UNIT VOLUME = .9949 B = 526.28 P60 = 1.9000  
AREA = .000633 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .130761HR TP = .133300HR K/TP RATIO = .980950 SHAPE CONSTANT, N = 3.599930  
UNIT PEAK = .17274 CFS UNIT VOLUME = .9235 B = 327.55 P60 = 1.9000  
AREA = .000070 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 202.00

RUNOFF VOLUME = 1.88275 INCHES = .0706 ACRE-FEET  
PEAK DISCHARGE RATE = 1.91 CFS AT 1.500 HOURS BASIN AREA = .0007 SQ. MI.

\*\* ADD THE RUNOFF FROM BASINS A AND B, WHICH WILL DISCHARGE  
\*\* TO THE STREETS AND EVENTUALLY TO THE STORM DRAIN.

ADD HYD ID=1 HYD=201.1 ID I=1 ID II=2  
PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 201.10

RUNOFF VOLUME = 1.92372 INCHES = .1928 ACRE-FEET  
PEAK DISCHARGE RATE = 5.18 CFS AT 1.500 HOURS BASIN AREA = .0019 SQ. MI.

\*\*\*\*\* BASIN C

\*\* BASIN C DISCHARGES TO THE LANDSCAPED AREA BEHIND THE  
\*\* NEW OFFICE BUILDING.

COMPUTE NM HYD ID=3 HYD=203 DA=.000207 SQ MI  
%A=0.0 %B=100.0 %C=0.0 %D=0.0  
TP=0.1333 RAINFALL=-1

K = .130761HR TP = .133300HR K/TP RATIO = .980950 SHAPE CONSTANT, N = 3.599930  
UNIT PEAK = .50865 CFS UNIT VOLUME = .9726 B = 327.55 P60 = 1.9000  
AREA = .000207 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 203.00

RUNOFF VOLUME = .69621 INCHES = .0077 ACRE-FEET  
PEAK DISCHARGE RATE = .29 CFS AT 1.533 HOURS BASIN AREA = .0002 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 06:31:25

# **HYDRAULIC CALCULATIONS**



Job MCDONALD'S - COORS / QUAIL  
Subject HYDRAULIC CALCULATIONS  
Client \_\_\_\_\_

Sheet No. 1 of 2  
Job. No. \_\_\_\_\_  
By JPK Date 9/28/93

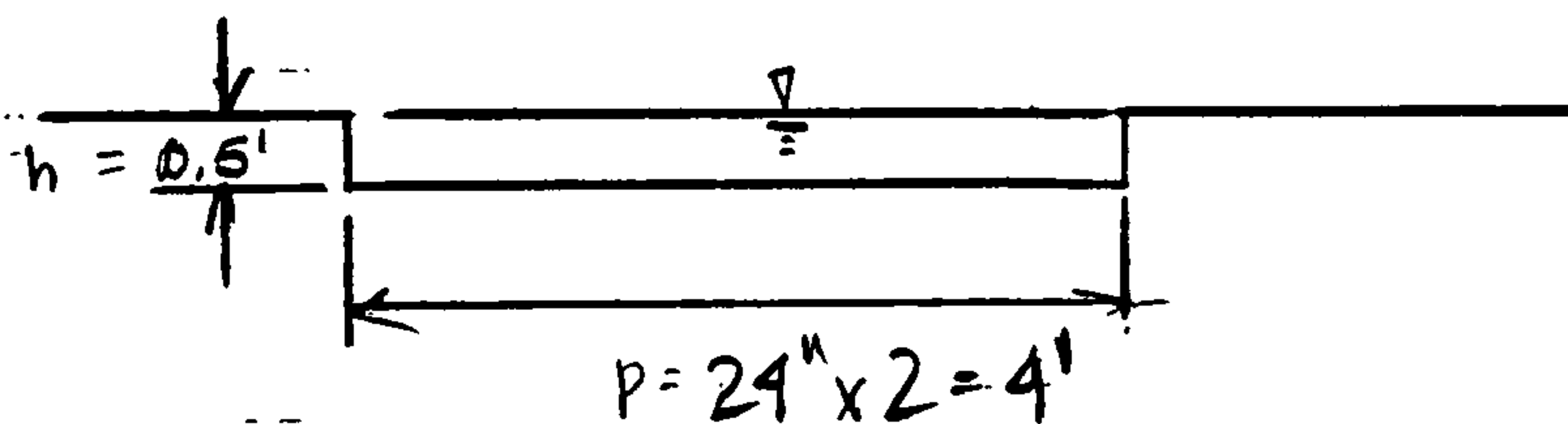


CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc.

Albuquerque, NM

1) DOUBLE SIDEWALK CULVERT FROM BASIN A:

USE WEIR EQUATION:



$$Q = 3.3 p h^{1.5} (0.70) \quad \text{30\% CLOGGING FACTOR}$$

$$Q = 3.3 (4) (0.5)^{1.5} (0.70) = 3.29 \text{ CFS CAPACITY}$$

$$Q_{REQ'D} = 3.29 \text{ CFS } \checkmark$$

2) DETERMINE REQ'D SLOPE (USE MANNING'S EQ'N):

$$Q = \frac{1.486}{n} A R^{2/3} S^{1/2}$$

$$A = .5' \times 4' = 2 \text{ SF} \quad P = 4' + (.5' \times 2) = 5'$$

$$\rightarrow R = A/P = 2/5 = 0.40'$$

$$3.29 = \frac{1.486}{.013} (2) (0.40)^{2/3} S^{1/2}$$

CONCRETE

$$\rightarrow S_{REQUIRED} = .0007^{1/1} = .07\%$$

$$S_{PROVIDED} = 1\% \gg S_{REQUIRED}$$

Job MCDONALD'S - COORS / QUAIL  
Subject HYDRAULIC CALCULATIONS  
Client \_\_\_\_\_

Sheet No. 2 of 2  
Job. No. \_\_\_\_\_  
By JPK Date 9/29/93



CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc.

Albuquerque, NM

3) DETERMINE SIZE OF RETENTION POND IN BASIN C:

ACCORDING TO THE DPM, RETENTION POND MUST BE FOR 10-DAY,  
24-HOUR STORMS. USE THE PROCEDURE OUTLINED IN SECTION 22.2,  
JAN. 1993 ED.:

$$\text{EQ'N C-9: } P_{10\text{-DAY}} = 10.0 - \left[ \frac{24.9}{(P_{1440})^{1.4}} \right]$$

$$P_{10\text{-DAY}} = 10.0 - \left( \frac{24.9}{(2.65)^{1.4}} \right) = 3.64''$$

$$\text{EQ'N A-9: } V_{10\text{-DAY}} = V_{360} + A_D (P_{10\text{-DAY}} - P_{360}) / 12''/1$$

WHERE  $V_{360}$  = 6-HOUR STORM VOLUME (AC-FT)

$A_D$  = IMPERVIOUS AREA (ACRES)

$$V_{10\text{-DAY}} = .0077 + 0 (3.64 - 2.25) / 12 = .0077 \text{ AC-FT}$$

FROM AHYMO  
RUN

$$= 335 \text{ CF.}$$

DETERMINE ELEVATION OF PONDING:

ELEVATION	CONTOUR AREA (SF)	VOLUME (CF)
100.80	0	25
101	250	362.5
101.5	1200	

$$\text{TOTAL POND DEPTH} = 0.70'$$

$$\text{TOTAL POND VOLUME} = 387.5 \text{ CF} > 335 \text{ CF REQ'D.}$$



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 28, 1994

## ***CERTIFICATE OF COMPLETION AND ACCEPTANCE***

Mc Donald's Corporation  
5251 DTC Parkway  
STE 300  
Englewood, CO 80112

**RE: PROJECT NO. 4801.80 McDonald's  
MAP (H-11-Z)**

Dear Sir:

This is to certify that the City of Albuquerque accepts Project No. 4801.80 as being completed according to approved plans and construction specifications. Please be advised this certificate of completion and acceptance shall only become effective upon final plat approval and filing in the office of the Bernalillo County Clerk's Office.

The project is described as follows:

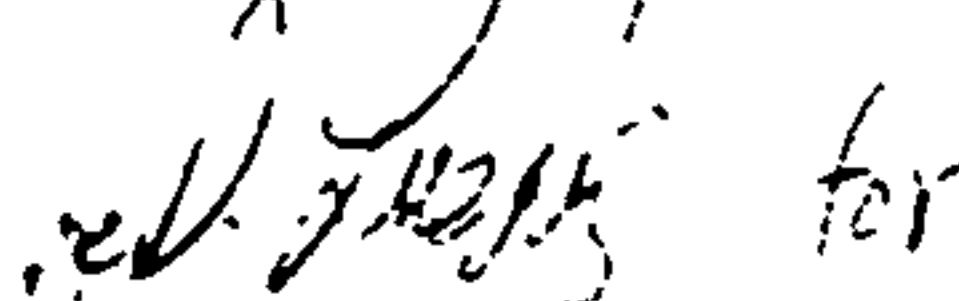
- New 6" waterline and 8" Sanitary Sanitary thru existing utility easement north of Quail Road N.W. at McDonalds parking lot. Six feet southwest along Coors to N.W. corner of Coors and Quail and to north property line.

The contractor's correction period begins the date of this letter and will be effective for a period of one (1) year.


DEC - 6 1994

Ltr. McDonalds  
Project No. 4801.80  
November 28, 1994  
Page 2

Sincerely,

 for  
Rick Roybal, P.E.  
City Engineer,  
Engineering Group  
Public Works Department

Sincerely,

  
Russell B. Givler, P.E.  
Chief Construction Engineer,  
Engineering Group  
Public Works Department

cc: Carlos Speiss, Sundance Mechanical  
Joe Kelly, Chavez-Grieves  
Fred Aguirre, Engineering Group, PWD  
Lynda Michelle DeVanti, Engineering Group, PWD  
Terri Martin, Engineering Group, PWD  
Martin Barker, Engineering Group, PWD  
Steve Gonzales, Special Assessments, DFM  
A.N. Gaume, Operations Group, PWD  
Sam Hall, Operations Group, PWD  
Jim Fink, Operations Group, PWD  
Ray Chavez, Traffic Engineering, PWD  
Stuart Reeder, Water/Wastewater Group, PWD  
Dave Parks, Engineering Group, PWD  
Dean Wall, Engineering Group, PWD  
Josie Gutierrez, New Meter Sales, Finance Group, PWD  
Richard Zamora, Engineering Group, PWD  
f/Project No. 4801.80  
f/Readers  
f/Warranty:Contract



# DRAINAGE INFORMATION SHEET

PROJECT TITLE: MCDONALD'S ZONE ATLAS/DRNG.FILE #: 1411-P42  
LEGAL DESCRIPTION: TRACT A-25-A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT,  
BEING REPLATTED AS MICKEY P/S SUBDIVISION UNIT 1, LOTS 1 & 2  
CITY ADDRESS: NW CORNER COORS / QUAIL RD NW  
ENGINEERING FIRM: CHAVEZ-GRIEVES CONTACT: JOE KELLEY  
ADDRESS: 5639 JEFFERSON NE PHONE: 349-4080  
OWNER: MCDONALD'S CONTACT: PEGGY KISSLER  
ADDRESS: ENGLEWOOD, CO PHONE: 303-779-0444  
ARCHITECT: N/A CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
SURVEYOR: COMMUNITY SCIENCES CONTACT: ROBERT MILLER  
ADDRESS: CORRALES RD PHONE: 897-0000  
CONTRACTOR: SEJ CONTACT: JERRY CASTILLO  
ADDRESS: 3535 PRINCETON PHONE: 1-264-2605

## PRE-DESIGN MEETING:

☐ YES  
☒ NO  
☐ COPY OF CONFERENCE RECAP  
SHEET PROVIDED

DRB NO. \_\_\_\_\_  
EPC NO. \_\_\_\_\_  
PROJ. NO. 4801.90

## TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT  
☒ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☒ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL  
☐ PRELIMINARY PLAT APPROVAL  
☐ SITE DEVELOPMENT PLAN APPROVAL  
☒ FINAL PLAT APPROVAL  
☒ BUILDING PERMIT APPROVAL  
☐ FOUNDATION PERMIT APPROVAL  
☐ CERTIFICATE OF OCCUPANCY APPROVAL  
☐ ROUGH GRADING PERMIT APPROVAL  
☒ GRADING/PAVING PERMIT APPROVAL  
☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: 11/15/93  
BY: JOE KELLEY

NOV 16 1993  
CITY OF ATRISCO

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: McDONALD'S RESTAURANT

ZONE ATLAS/DRNG.FILE #: H-11/D-42

GAL DESCRIPTION: TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT

CITY ADDRESS: COORS RD & GRAY RD NW

ENGINEERING FIRM: CHAVEZ-GRIEVES

CONTACT: JOE KELLEY

ADDRESS: 5639 JEFFERSON NE

PHONE: 344-4080

OWNER: McDONALD'S CORP.

CONTACT: PEGGY KISSLER

ADDRESS: 5251 DTC PARKWAY ENGLEWOOD, CO

PHONE: 303-779-0994

ARCHITECT: ROYBAL CORP.

CONTACT: DAVE THOMAS

ADDRESS: 7600 E. EASTMAN AVE DENVER, CO

PHONE: 303-671-7400

SURVEYOR: COMMUNITY SCIENCES

CONTACT: CLIFF SPIROGLIC

ADDRESS: CORRALES RD

PHONE: 897-0000

CONTRACTOR: SET ENTERPRISES

CONTACT: TERRY CASTILLO

ADDRESS: 3535 PRINCETON NE

PHONE: 884-6234

## PRE-DESIGN MEETING:

☐ YES

☒ NO

☐ COPY OF CONFERENCE RECAP  
SHEET PROVIDED

DRB NO. 93-354

EPC NO. \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

## TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☒ ENGINEER'S CERTIFICATION

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL

☐ PRELIMINARY PLAT APPROVAL

☐ SITE DEVELOPMENT PLAN APPROVAL

☐ FINAL PLAT APPROVAL

☐ BUILDING PERMIT APPROVAL

☐ FOUNDATION PERMIT APPROVAL

☒ CERTIFICATE OF OCCUPANCY APPROVAL

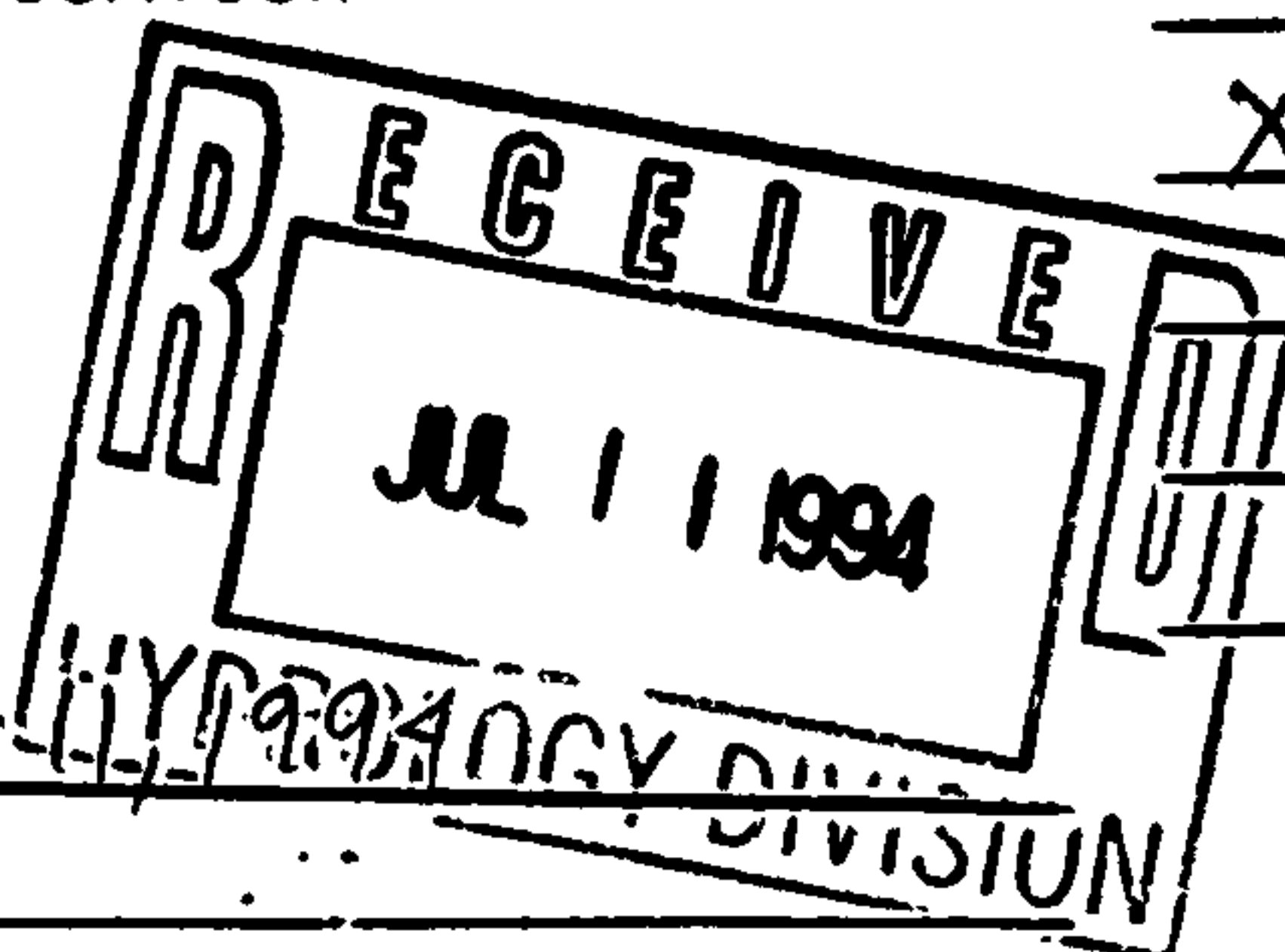
☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: JULY 11, 1994

BY: JOE KELLEY





# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 5, 1993

Joe P. Kelley  
Chavez-Grievess Engineers Inc.  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: REVISED DRAINAGE PLAN FOR MCDONALD'S @ COORS/QUAIL NW  
(H11-D42) REVISION DATED 11/1/93.

Dear Mr. Kelley:

Based on the information provided on your November 2, 1993 resubmittal, listed are some concerns that will need to be addressed prior to final approval:

1. New legal description on the plan drawing.
2. Copy of replat showing the notation for the blanket easement for cross-lot -line drainage.

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

Sincerely,

*Bernie J. Montoya*  
Bernie J. Montoya, CE  
Engineer Associate

BJM/d1/WPHYD/7916

xc: ~~File~~

PUBLIC WORKS DEPARTMENT



# *City of Albuquerque*

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 18, 1993

Joe P. Kelley  
Chavez-Grievess Engineers Inc.  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: REVISED DRAINAGE PLAN FOR MCDONALD'S @ COORS/QUAIL NW (H11-D42)  
ENGINEER'S STAMP DATED 11/15/93.

Dear Mr. Kelley:

Based on the information provided on your November 16, 1993 resubmittal, the above referenced site is approved for Building Permit.

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

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

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

Sincerely,

*Bernie J. Montoya*  
Bernie J. Montoya, CE  
Engineer Associate

BJM/d1/WPHYD/7916

xc: Alan Martinez  
File

PUBLIC WORKS DEPARTMENT



DRAINAGE INFORMATION SHEET

PROJECT TITLE: McDONALD'S RESTAURANT

ZONE ATLAS/DRNG. FILE #: H-11/A42

LEGAL DESCRIPTION: TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT

CITY ADDRESS: COORS RD & QUAIL RD NW

ENGINEERING FIRM: CHAVEZ-GRIEVES

CONTACT: JOE KELLEY

ADDRESS: 5639 JEFFERSON NE

PHONE: 394-9080

OWNER: McDONALD'S CORP.

CONTACT: PEGGY KISSLER

ADDRESS: 5251 DTC PARKWAY ENGLEWOOD, CO

PHONE: 303-779-0994

ARCHITECT: ROYBA CORP.

CONTACT: DAVE THOMAS

ADDRESS: 7600 E. EASTMAN AVE DENVER, CO

PHONE: 303-671-7400

SURVEYOR: COMMUNITY SCIENCES

CONTACT: CLIFF SPIROUK

ADDRESS: CORRALES RD

PHONE: 897-0000

CONTRACTOR: SEI ENTERPRISES

CONTACT: JERRY CASTILLO

ADDRESS: 3535 PRINCETON NE

PHONE: 884-6234

**PRE-DESIGN MEETING:**

       YES

  X   NO

       COPY OF CONFERENCE RECAP  
SHEET PROVIDED

DRB NO. 93-354

EPC NO.       

PROJ. NO.       

**TYPE OF SUBMITTAL:**

       DRAINAGE REPORT

  X   DRAINAGE PLAN

       CONCEPTUAL GRADING & DRAINAGE PLAN

  X   GRADING PLAN

  X   EROSION CONTROL PLAN

       ENGINEER'S CERTIFICATION

**CHECK 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

       CERTIFICATE OF OCCUPANCY APPROVAL

       ROUGH GRADING PERMIT APPROVAL

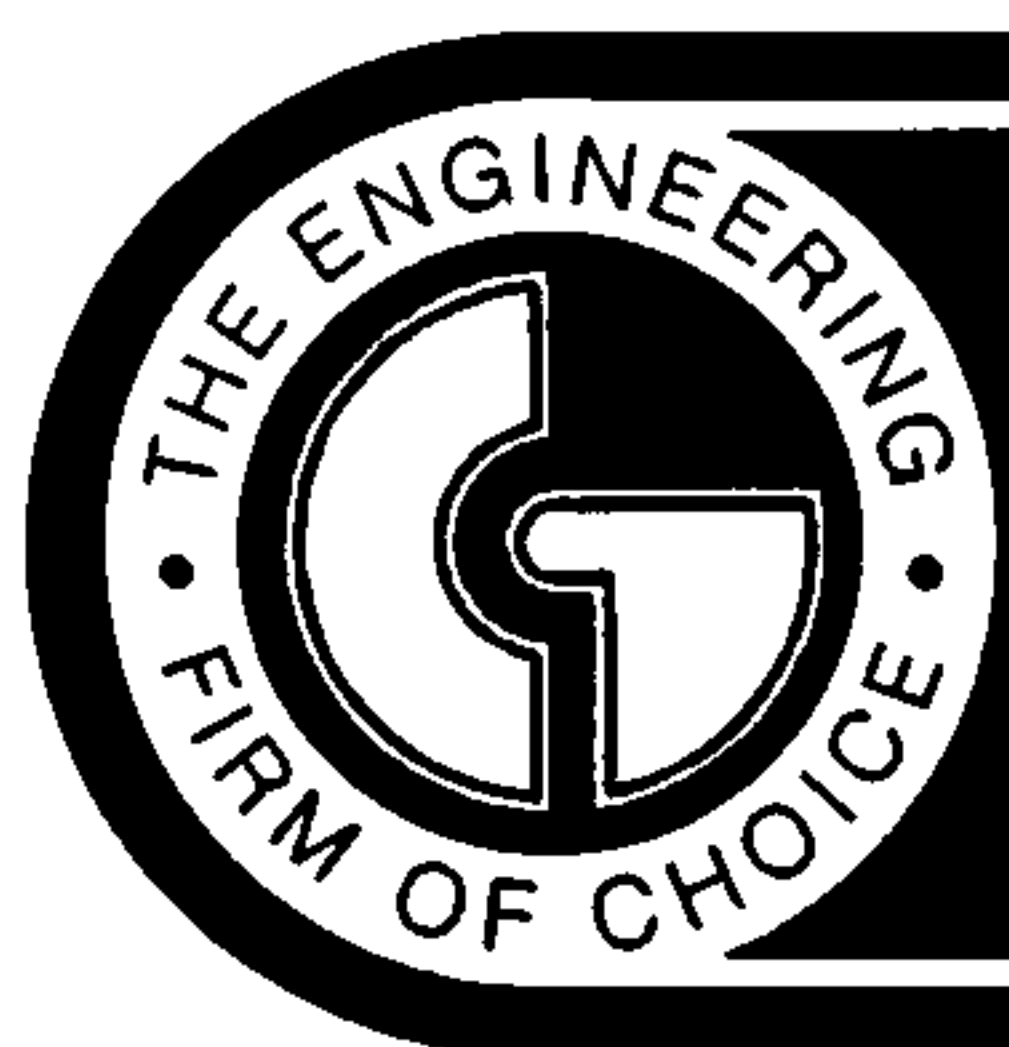
  X   GRADING/PAVING PERMIT APPROVAL

       OTHER        (SPECIFY)

**NOV - 2 1993**

DATE SUBMITTED: Nov. 1, 1993

BY: JOE KELLEY



# CHAVEZ · GRIEVES

## CONSULTING ENGINEERS, INC.

5639 JEFFERSON STREET NE · ALBUQUERQUE, NEW MEXICO 87109 · PHONE (505) 344-4080 · FAX (505) 343-8759

November 1, 1993

Mr. Bernie Montoya, C.E.  
City of Albuquerque Public Works Dept., Hydrology Division  
City-County Building Room 301  
P.O. Box 1293  
Albuquerque, New Mexico 87103

RE: Grading/Drainage Plan for McDonald's at Coors/Quail NW

Dear Mr. Montoya:

In accordance with your verbal comments of October 27, 1993, we revised this plan as follows:

1. TC and FL elevations on the existing street pavement were added.
2. The TBM was described more accurately.
3. An ACS benchmark was added.
4. The new 25' Public Water and SAS Easement was noted.
5. Keyed note number 7 was added, that the Gas Company be consulted prior to construction within their easement. We have been talking to the Gas Co., and they cannot decide what they want us to do. At first they said that we could not pave over their lines. Then they agreed that it might be okay, if we provide for the venting of any possible leaks. After they decide what they want, we will detail it on the plans. Call Mr. Juan Betone at 632-4254 to verify this, if you'd like.

Thanks for reviewing this plan, Bernie! If you have any more questions or comments, please give Larry Read or myself a call.

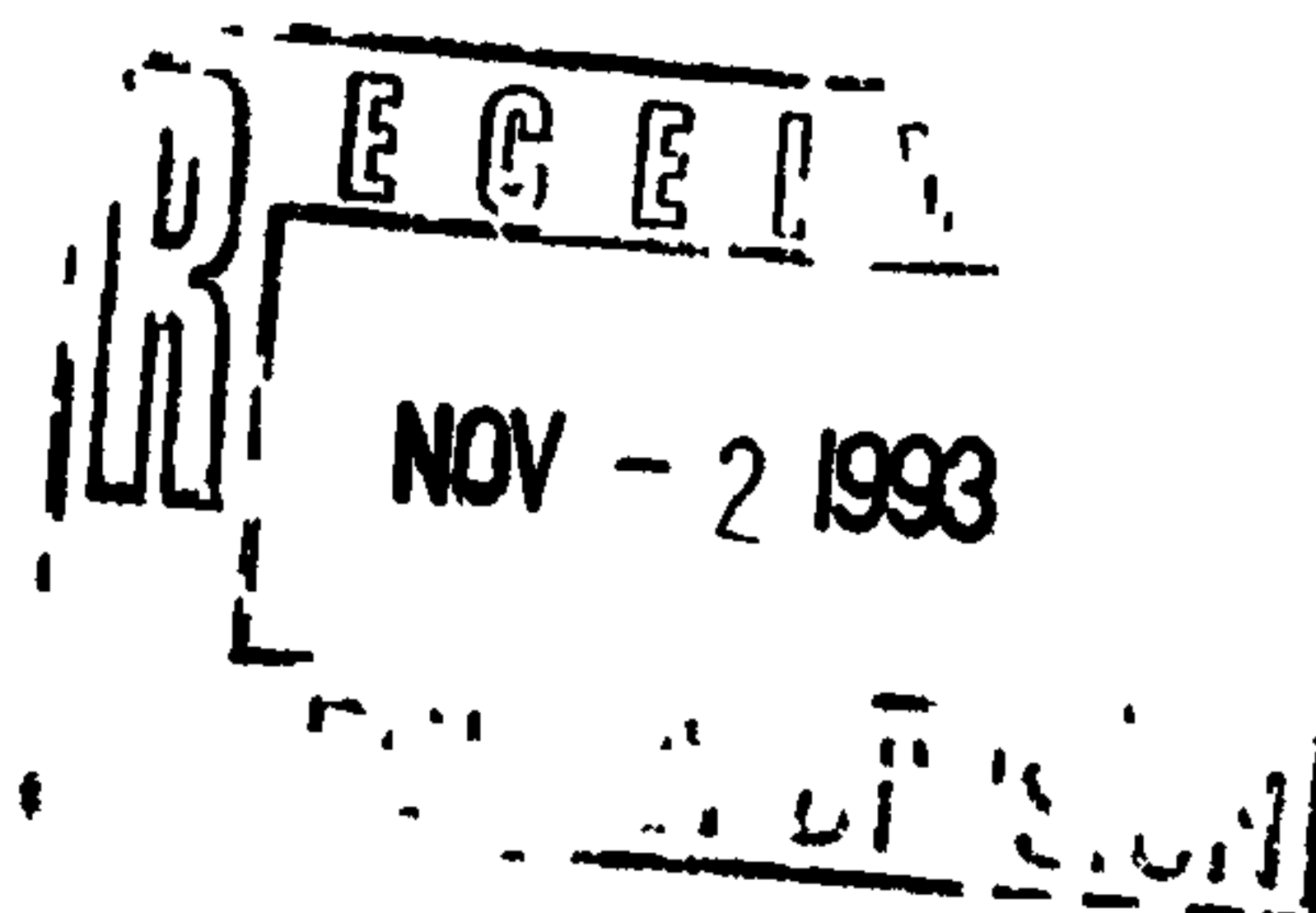
Sincerely,

CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC.

*Joe Kelley*

Joe P. Kelley, P.E.  
Project Engineer

CC: Larry Read, P.E., Chavez-Grievess



# DRAINAGE INFORMATION SHEET

PROJECT TITLE: MCDONALD'S RESTAURANT ZONE ATLAS/DRNG.FILE #: H-11/D42

LEGAL DESCRIPTION: TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT

CITY ADDRESS: COORS & QUAIL RD, NW

ENGINEERING FIRM: CHAVEZ-GRIEVES CONTACT: JOE KELLEY

ADDRESS: 5639 JEFFERSON NE PHONE: 344-4080

OWNER: MCDONALD'S CORP. CONTACT: PEGGY KISSLER

ADDRESS: ENGLEWOOD, CO PHONE: 303-779-0444

ARCHITECT: ROYBAL CORP. CONTACT: MIKE RUDD

ADDRESS: DENVER, CO PHONE: 303-534-5626

SURVEYOR: COMMUNITY SCIENCES CONTACT: CLIFF SPIROCK

ADDRESS: CORRALES RD PHONE: 897-0000

CONTRACTOR: S&J CONTACT: JERRY CASTILLO

ADDRESS: 3535 PRINCETON NE PHONE: 884-6234

VERBAL ON 10/27/93

## PRE-DESIGN MEETING:

☐ YES

☒ NO

☐ COPY OF CONFERENCE RECAP  
SHEET PROVIDED

DRB NO. 93-354

EPC NO. \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

1. B.M. & T.B.M.  
2. Top of curb &  
Flashing Elevation on  
Coors and Quail

## TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☒ GRADING PLAN

☒ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL

☐ PRELIMINARY PLAT APPROVAL

☐ SITE DEVELOPMENT PLAN APPROVAL

☐ FINAL PLAT APPROVAL

☒ BUILDING PERMIT APPROVAL

☒ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☒ GRADING/PAVING PERMIT APPROVAL

☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: 10/11/93

BY: JOE KELLEY

OCT 12 1993





# *City of Albuquerque*

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 13, 1994

Joe P. Kelley  
Chavez-Grievess Engineers Inc.  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: REVISED DRAINAGE PLAN FOR MCDONALD'S @ COORS/QUAIL NE (H11-D42)  
REVISION DATED 12/30/93.

Dear Mr. Kelley:

Based on the information provided on your January 13, 1994 resubmittal, the above referenced site is approved for Building Permit.

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

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

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

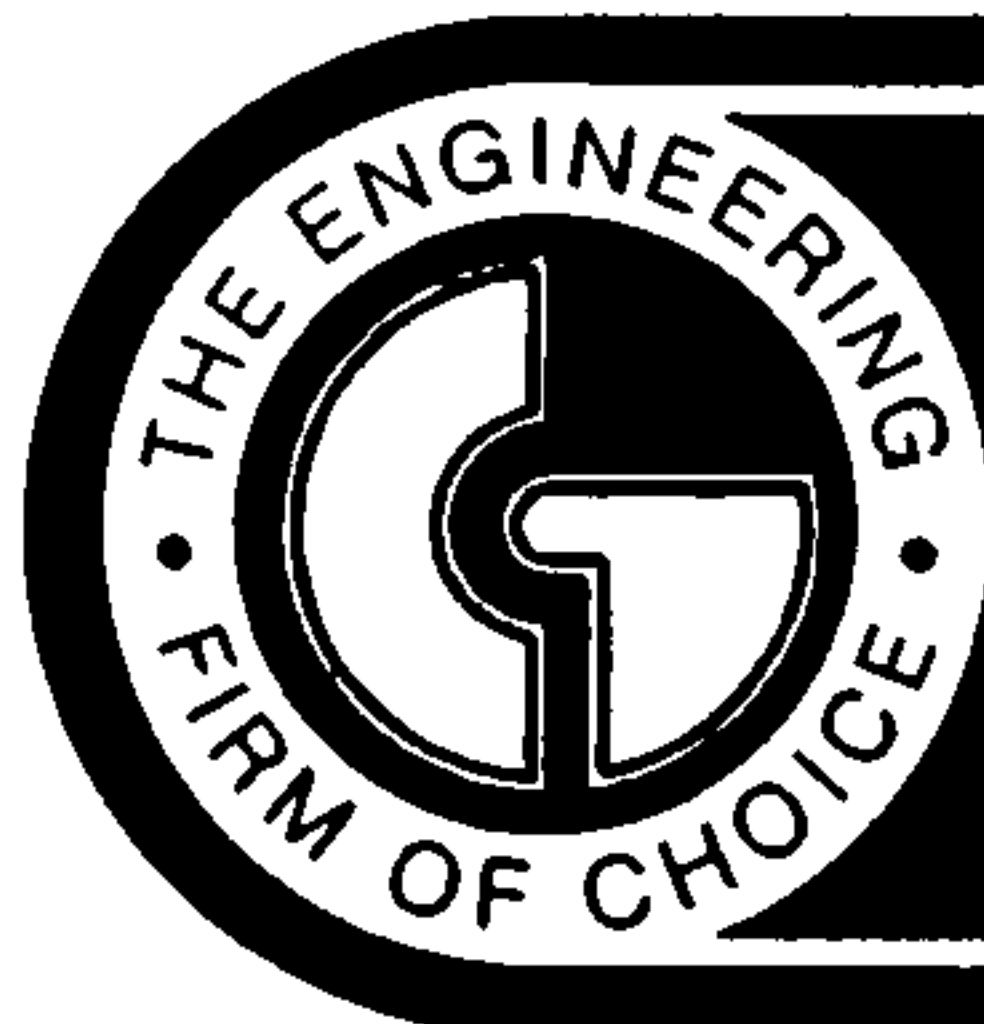
BJM/d1/WPHYD/7916

xc: Inspector

File

PUBLIC WORKS DEPARTMENT





# CHAVEZ • GRIEVES

## CONSULTING ENGINEERS, INC.

5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

### LETTER OF TRANSMITTAL

TO: MR. BERNIE MONTTOYA, CE  
COA HYDROLOGY, Room 301

DATE: 1/11/94

JOB # \_\_\_\_\_

RE: \_\_\_\_\_

WE ARE SENDING YOU ☒ ATTACHED \_\_\_\_\_ UNDER SEPARATE COVER, THE FOLLOWING ITEMS:

\_\_\_\_ SHOP DRAWINGS ☒ PLANS \_\_\_\_\_ SPECIFICATIONS \_\_\_\_\_ DISKETTE  
\_\_\_\_ CHANGE ORDER \_\_\_\_\_ PRINTS \_\_\_\_\_ CALCULATIONS \_\_\_\_\_  
☒ COPY OF LETTER \_\_\_\_\_ SAMPLES \_\_\_\_\_ REPORT \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	12-30-93		COORDS/QUAL MCDONALD'S PLAN
1	11/18-93		LETTER OF APPROVAL BY BERNIE MONTTOYA

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ FOR YOUR USE \_\_\_\_\_ FOR REVIEW & COMMENT  
\_\_\_\_ AS REQUESTED \_\_\_\_\_ RETURNED AFTER LOAN TO US  
\_\_\_\_ PLEASE CORRECT AND RESUBMIT \_\_\_\_\_ SUBMIT \_\_\_\_\_ COPIES FOR DISTRIBUTION  
\_\_\_\_ RESUBMITTAL IS NOT REQUIRED \_\_\_\_\_ RETURN \_\_\_\_\_ CORRECTED PRINTS  
CORRECTIONS, IF ANY, ARE NOTED ☒ FOR APPROVAL

REMARKS: BERNIE, YOU'LL NOTE THAT WE MADE SOME MINOR CHANGES IN GEOMETRY  
THAT DIDN'T CHANGE THE DRAINAGE PATTERN,  
CALL IF YOU HAVE ANY QUESTIONS!

COPIES TO: \_\_\_\_\_

SIGNED: JOE KELLEY

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT ONCE.

REV.1/92

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: McDONALD'S RESTAURANT ZONE ATLAS/DRNG.FILE #: H-11/D42

GAL DESCRIPTION: TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISCO GRANT

CITY ADDRESS: COORS RD & GRAY RD NW

ENGINEERING FIRM: CHAVEZ-GRIEVES CONTACT: JOE KELLEY

ADDRESS: 5639 JEFFERSON NE PHONE: 399-9080

OWNER: McDONALD'S CORP CONTACT: PEGGY KISSLER

ADDRESS: 5251 DTC PARKWAY ENGLEWOOD, CO PHONE: 303-779-0994

ARCHITECT: ROYBAL CORP. CONTACT: DAVE THOMAS

ADDRESS: 7600 E. EASTMAN AVE DENVER, CO PHONE: 303-671-7400

SURVEYOR: COMMUNITY SCIENCES CONTACT: CLIFF SPIROGLIS

ADDRESS: CORRALES RD PHONE: 897-0000

CONTRACTOR: SEI ENTERPRISES CONTACT: JERRY CASTILLO

ADDRESS: 3535 PRINCETON NE PHONE: 884-6234

## PRE-DESIGN MEETING:

YES

X NO

COPIES OF CONFERENCE RECAP SHEET PROVIDED

ORB NO. 93-354

EPC NO.                     

PROJ. NO.                     

## TYPE OF SUBMITTAL:

           DRAINAGE REPORT

X DRAINAGE PLAN

           CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

X EROSION CONTROL PLAN

           ENGINEER'S CERTIFICATION

## CHECK 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

           CERTIFICATE OF OCCUPANCY APPROVAL

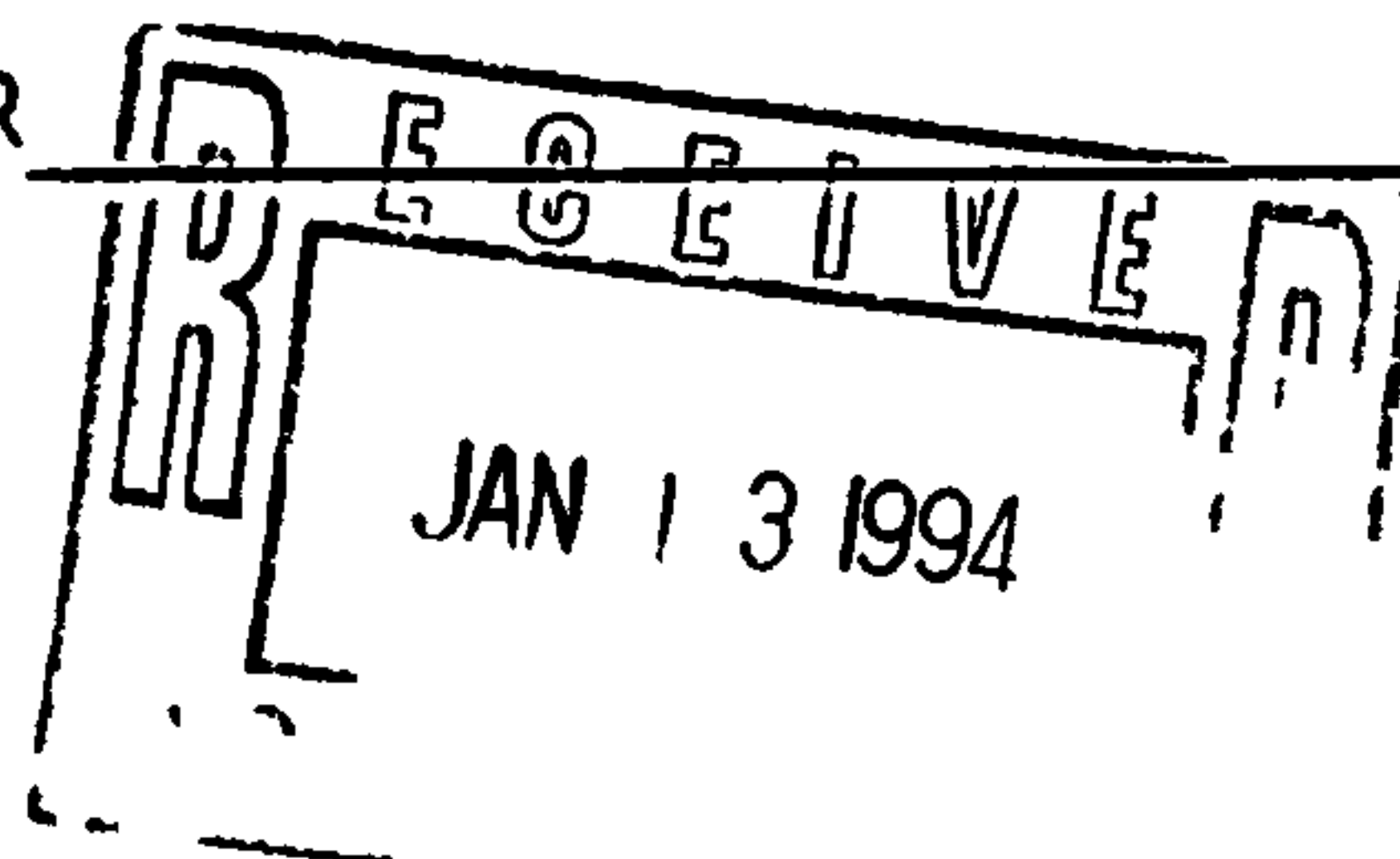
           ROUGH GRADING PERMIT APPROVAL

X GRADING/PAVING PERMIT APPROVAL

           OTHER                      (SPECIFY)

DATE SUBMITTED: 1/11/94

BY: JOE KELLEY





# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 18, 1993

Joe P. Kelley  
Chavez-Grievess Engineers Inc.  
5639 Jefferson NE  
Albuquerque, NM 87109

RE: REVISED DRAINAGE PLAN FOR MCDONALD'S @ COORS/QUAIL NW (H11-D42)  
ENGINEER'S STAMP DATED 11/15/93.

Dear Mr. Kelley:

Based on the information provided on your November 16, 1993 resubmittal, the above referenced site is approved for Building Permit.

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

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

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

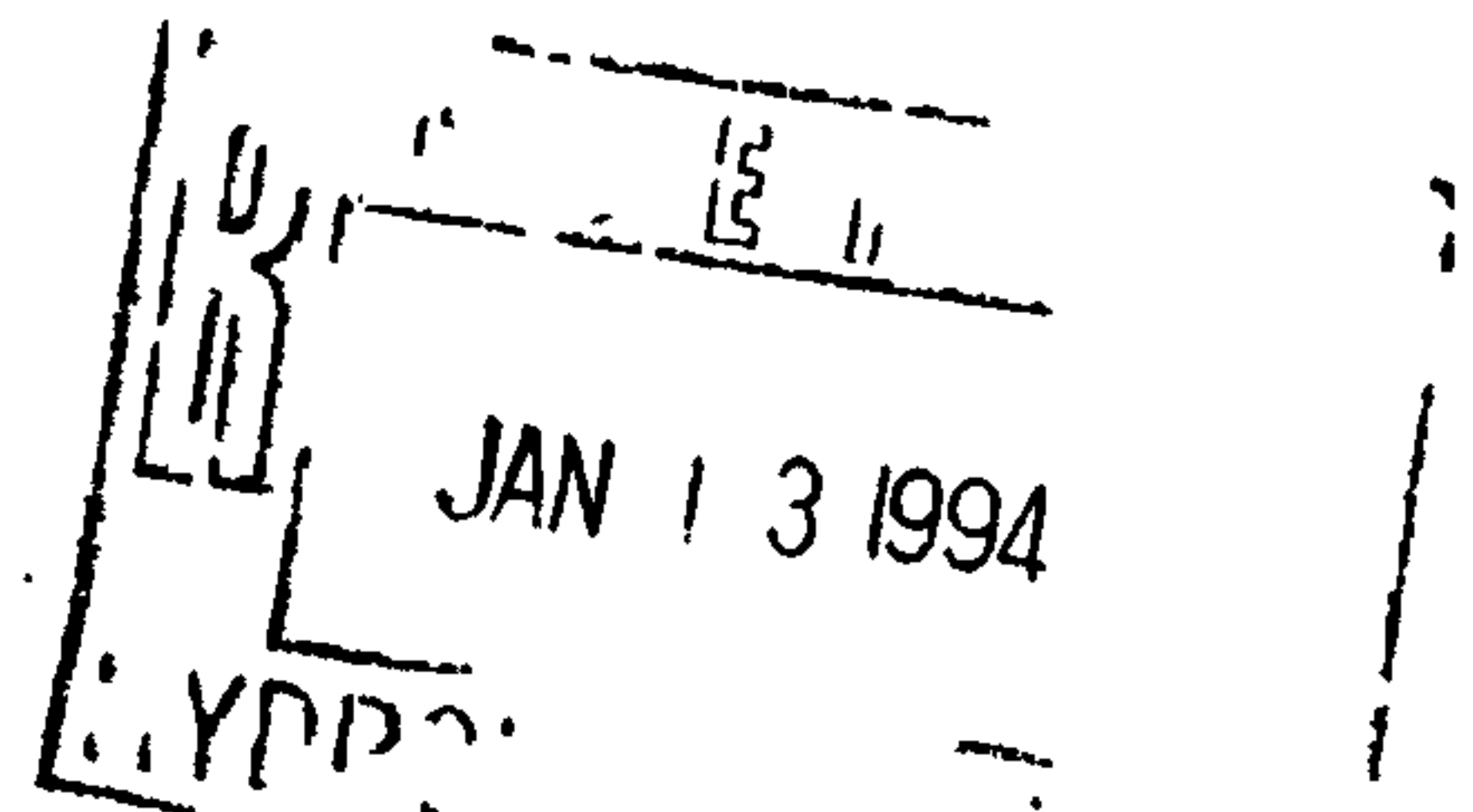
Sincerely,

*Bernie J. Montoya*  
Bernie J. Montoya, CE  
Engineer Associate

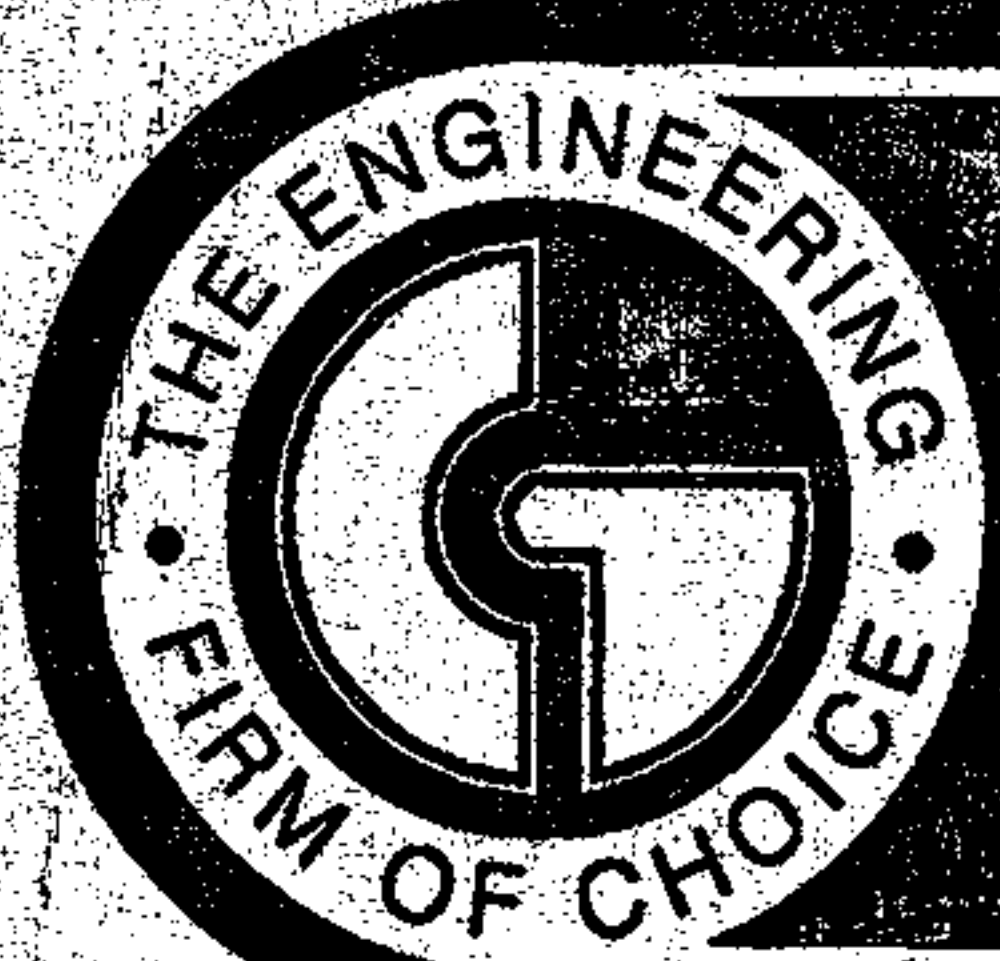
BJM/d1/WPHYD/7916

xc: Alan Martinez  
File

PUBLIC WORKS DEPARTMENT







# CHAVEZ • GRIEVES

## CONSULTING ENGINEERS, INC.

5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

November 15, 1993

Mr. Bernie Montoya, C.E.  
City of Albuquerque Public Works Dept., Hydrology Division  
City-County Building Room 301  
P.O. Box 1293  
Albuquerque, New Mexico 87103

RE: Grading/Drainage Plan for McDonald's at Coors/Quail NW

Dear Mr. Montoya:

In accordance with your written comments of November 5, 1993, we have revised this plan as follows:

1. The new legal description was written on SP-2.
2. A copy of the replat showing the notation for cross-lot drainage was included for your reference.

We are hereby submitting this plan for building permit approval. If you have any other questions or comments, please call.

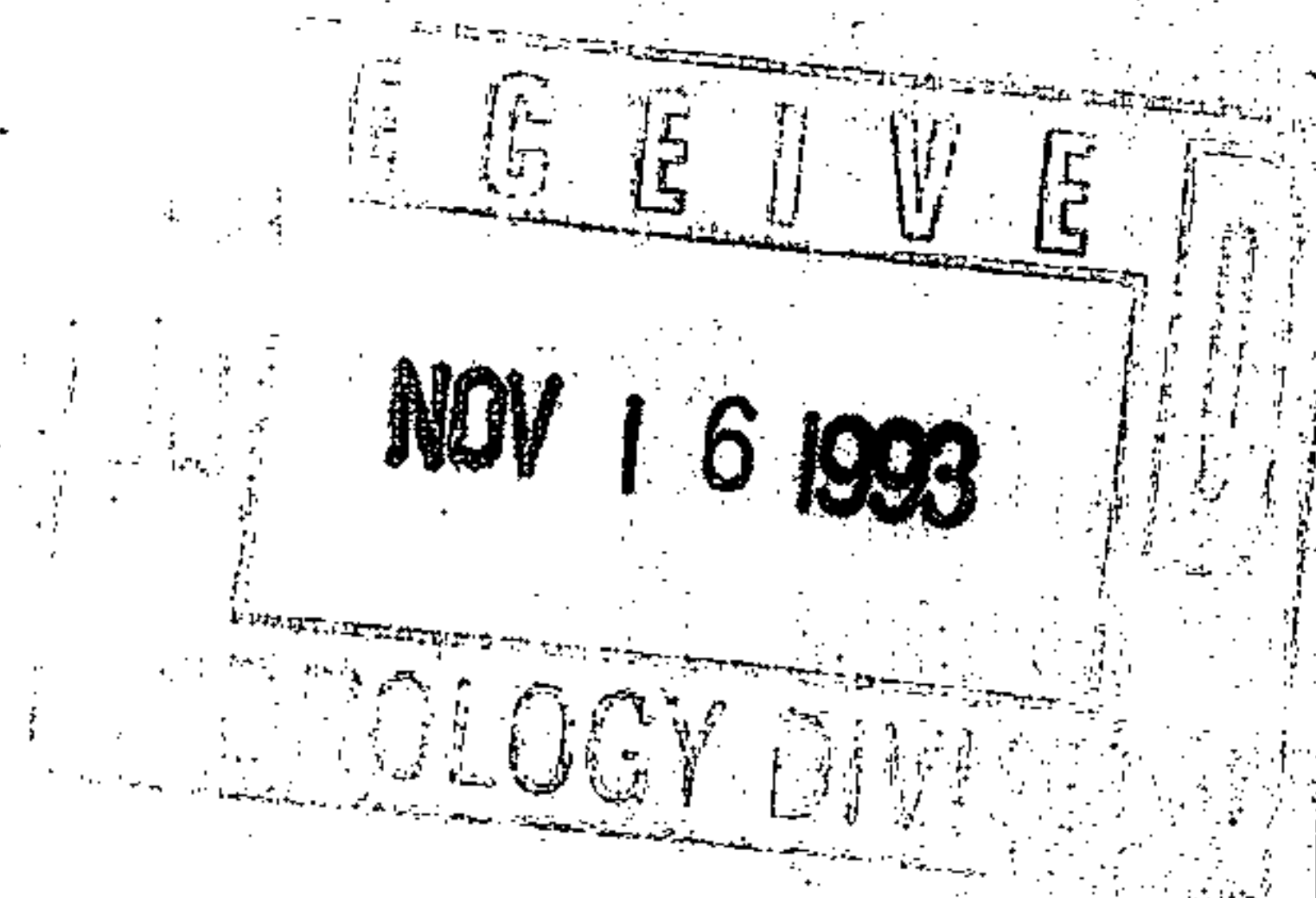
Thank you!

Sincerely,

CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC.

Joe P. Kelley, P.E.  
Project Engineer

CC: Larry Read, P.E., Chavez-Grievess







# *City of Albuquerque*

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 16, 1993

Larry Read  
Chavez-Grievess Engineering  
3659 Jefferson NE  
Albuquerque, NM 87109

RE: CONCEPTUAL DRAINAGE PLAN FOR MCDONALD'S @ QUAIL & COORS  
(H11-D42) ENGINEER'S STAMP DATED 7/30/93.

Dear Mr. Read:

Based on the information provided on your August 4, 1993 submittal, the above referenced site is approved for Site Development.

Prior to Building Permit release, we will require a more detailed plan following the D.P.M. checklist as a guide. Also, I recommend that you check S.A.D. 217 and the West Bluff Outfall files to see if free discharge can be granted.

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

Sincerely,

*Bernie J. Montoya*  
Bernie J. Montoya, CE  
Engineer Associate

BJM/d1/WPHYD/7916

xc: Alan Martinez  
File,

PUBLIC WORKS DEPARTMENT

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: McDonald's ZONE ATLAS/DRNG.FILE #: H-11 / 042

LEGAL DESCRIPTION: TRACT A-25A, NORTHEAST UNIT, TOWN OF ATRISW GRANT

CITY ADDRESS: NW CORNER OF COORS RD NW / QUAIL RD NW

ENGINEERING FIRM: CHAVEZ - GRIEVES ENGRS CONTACT: JOE KELLEY / LARRY READ

ADDRESS: 3659 JEFFERSON NE PHONE: 344-4080

OWNER: McDonald's Corp. CONTACT: PEGGY KISSLER

ADDRESS: ENGLEWOOD, CO PHONE: 303-779-0444

ARCHITECT: ROYBAL CORP. CONTACT: MIKE RUDD

ADDRESS: DENVER, CO PHONE: 303-534-5626

SURVEYOR: SEE ENGR CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

CONTRACTOR: N/A CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

## PRE-DESIGN MEETING:

☐ 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 CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

101-15-100-100  
AUG - 4 1993

DATE SUBMITTED: AUG 3, 1993

BY: JOE KELLEY

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL

☐ PRELIMINARY PLAT APPROVAL

☒ SITE DEVELOPMENT PLAN APPROVAL

☐ FINAL PLAT APPROVAL

☐ BUILDING PERMIT APPROVAL

☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER \_\_\_\_\_ (SPECIFY)