



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 14, 1994

Joe Kelley, P.E.
CHAVEZ-GRIEVES
5639 Jefferson NE
Albuquerque, N.M. 87109

RE: ENGINEER'S CERTIFICATION FOR MCDONALD'S @ LOMAS & JUAN TABO (K-21/D26)
ENGINEER'S STAMP DATED JAN 11, 1994; RECEIVED JANUARY 12, 1994
FOR CERTIFICATE OF OCCUPANCY APPROVAL

Dear Mr. Kelley,

Based on the information included in the submittal referenced above, City Hydrology releases a permanent Certificate of Occupancy for this project.

If I can be of further assistance, You may contact me at 768-2727.

Sincerely,

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

xc: Alan Martinez

WPHYD+7961;jpc

PUBLIC WORKS DEPARTMENT

DRAINAGE INFORMATION SHEET

PROJECT TITLE: MCDONALD'S ZONE ATLAS/DRNG.FILE #: K-21/D26

SAL DESCRIPTION: TRACT B2A & LOT 4, BLOCK 124, DALE J. BELLAMAH'S PRINCESS
JEANNE PARK

CITY ADDRESS: 11824 LOMAS BLVD NE

ENGINEERING FIRM: CHAVEZ-GRIEVES CONTACT: JOE KELLEY

ADDRESS: 5639 JEFFERSON NE PHONE: 344-9080

OWNER: MCDONALD'S CORP. CONTACT: PEGGY KISSLER

ADDRESS: ENGLEWOOD, CO PHONE: 303-779-0494

ARCHITECT: ROYBAL CORP. CONTACT: MIKE RUDD

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

SURVEYOR: ALBU SURVEYING CONTACT: VLADIMIR JIRIK

ADDRESS: 2119 MENAUL NE PHONE: 884-2036

CONTRACTOR: S&J CONTACT: JERRY CASTILLO

ADDRESS: 3545 PRINCETON NE PHONE: 1-269-2605

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

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

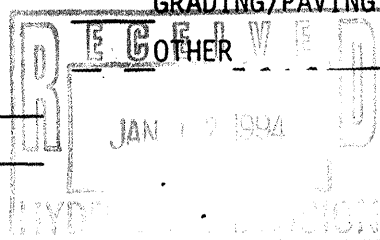
☐ ROUGH GRADING PERMIT APPROVAL

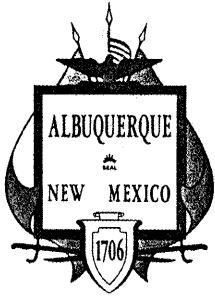
☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 1/12/94

BY: JOE KELLEY





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 7, 1993

Joe Kelley, P.E.
CHAVEZ-GRIEVES
5639 Jefferson NE
Albuquerque, N.M. 87109

RE: GRADING & DRAINAGE PLAN FOR MCDONALD'S @ LOMAS & JUAN TABO (K-21/D26)
ENGINEER'S STAMP DATED 8-17-93; RECEIVED AUGUST 17, 1993
FOR BUILDING PERMIT APPROVAL

Dear Mr. Kelley,

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

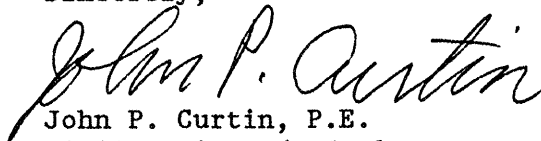
If McDonald's does not have a Private Access & Drainage Easement across Tract B-1-A to the public alley, then they must obtain one.

This plan does not eliminate the existing birdbaths. Further grading & paving work would be required to eliminate the existing ponding.

Engineer's Certification of grading & drainage per 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.

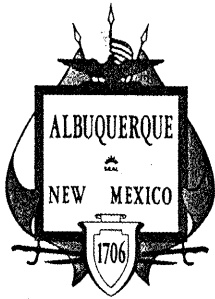
Sincerely,


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

xc: Alan Martinez

WPHYD+7961;jpc

PUBLIC WORKS DEPARTMENT



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 10, 1993

Joe Kelley, P.E.
CHAVEZ-GRIEVES
5639 Jefferson NE
Albuquerque, N.M. 87109

RE: ENGINEER'S CERTIFICATION FOR MCDONALD'S @ LOMAS & JUAN TABO (K-21/D26)
ENGINEER'S STAMP DATED DEC. 7, 1993; RECEIVED DECEMBER 7, 1993
FOR CERTIFICATE OF OCCUPANCY APPROVAL

Dear Mr. Kelley,

Based on the information included in the submittal referenced above, City Hydrology requests additional information.

The following comments must be addressed before a temporary Certificate of Occupancy will be released:

The Certification of compliance statement must be on the drawing instead of in a letter. As-Built elevations must be provided for the Finished Floor and any other proposed elevations. City Hydrology prefers that you cross out the proposed elevation and write the as-built elevation next to it so that any change can be evaluated. If the as-built elevation matches the proposed elevation exactly then a check mark is sufficient. Include As-Built elevations in the Legend.

When a copy of the executed & recorded Drainage/Access Easement is submitted to City Hydrology, then a permanent 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

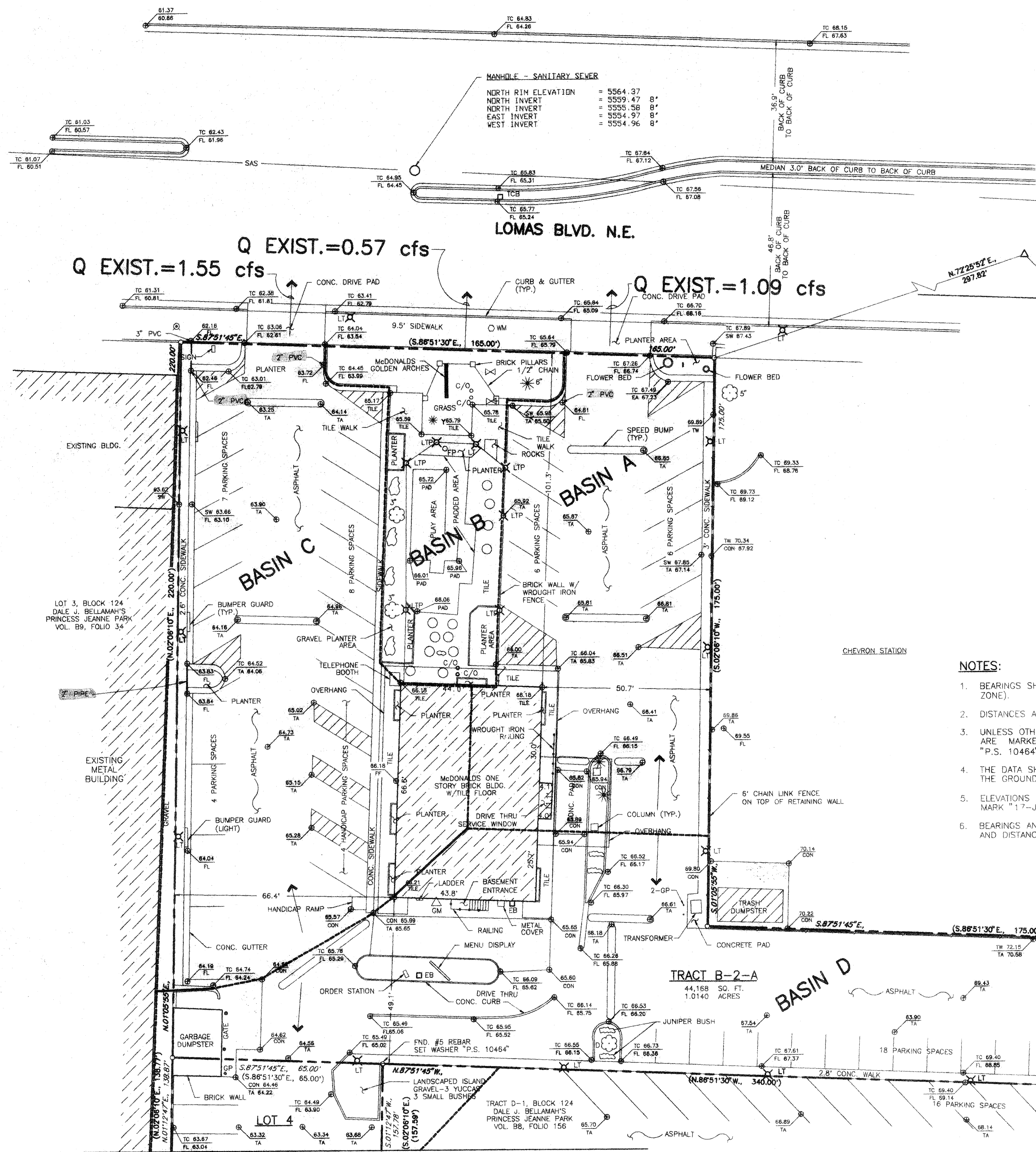
Fred said to go ahead & give them a Temp C.O. for 30 days.

xc: Alan Martinez

WPHYD+7961;jpc

John P. Curtin
12-13-93

PUBLIC WORKS DEPARTMENT



NOTES:

1. BEARINGS SHOWN ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE).
2. DISTANCES ARE GROUND DISTANCES.
3. UNLESS OTHERWISE INDICATED, ALL BOUNDARY CORNERS SHOWN THUS ARE MARKED WITH AN IRON STAKE SURMOUNTED WITH A CAP STAMPED "P.S. 10464".
4. THE DATA SHOWN HEREON IS FROM A SURVEY ACTUALLY MADE ON THE GROUND ON JULY 30, 1993 BY ALBUQUERQUE SURVEYING.
5. ELEVATIONS SHOWN ARE SLD 1929 DATUM BASED ON A.C.S. BENCH MARK "17-22", ELEVATION = 5,585.09.
6. BEARINGS AND DISTANCES SHOWN ARE FIELD AND RECORD DATA. BEARINGS AND DISTANCES SHOWN IN PARENTHESES ARE RECORD DATA.

LEGEND

- ✕ LTP PLASTER W/LIGHT
- PPD POWER POLE W/DROP LINE
- A — ANCHOR
- TABLE W/SEATS
- FP FLAG POLE
- PP POWER POLE (METAL/H.V.)
- ✕ LT LIGHT POLE
- EB ELECTRIC BOX/METER
- TCB TRAFFIC CONTROL BOX
- TR TELEPHONE RISER
- △ GM GAS METER
- FH FIRE HYDRANT
- WM WATER METER
- ✕ S VALVE WATER VALVE
- S SPRINKLER
- SB SIGNAL BOX
- SCV SPRINKLER CONTROL VALVE
- C/O CLEAN OUT
- MANHOLE (SANITARY)
- TREE (DECIDUOUS)
- B BUSH
- ✱ TREE (EVERGREEN)
- CONCRETE —
- CHAIN LINK FENCE —
- SAS — SANITARY SEWER
- BUILDING —
- ELEVATION ON NATURAL GROUND —
- ELEVATION ON TOP OF ASPHALT —
- ELEVATION AT TOP OF CURB/FLOW LINE —
- ELEVATION ON CONCRETE —
- ELEVATION AT TOP OF WALL —
- ELEVATION AT BACK OF SIDEWALK —
- FLOW ARROW
- BASIN BOUNDARY —
- BASIN DISCHARGE —

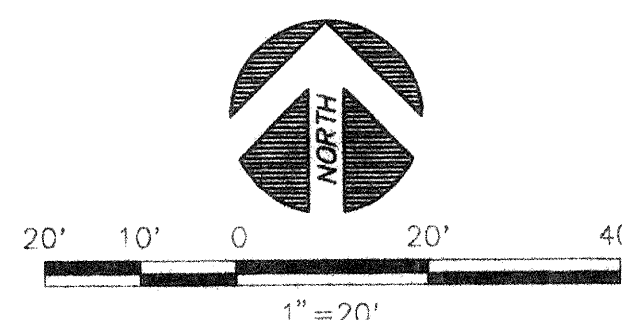
EROSION CONTROL PLAN

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY. THE CONTRACTOR SHALL WET THE SOIL PERIODICALLY TO KEEP THE DUST FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING DOWN THE STREET.
3. THE CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.
4. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH RECLAMATION SEEDING.

DRAINAGE BASIN RUNOFF

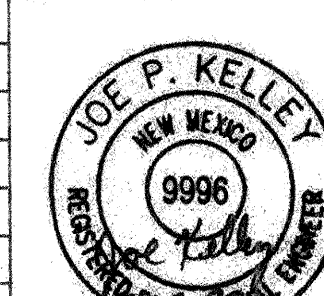
DISCHARGE BASIN	EXISTING RATE(CFS)	PROPOSED RATE(CFS)	EXISTING VOLUME(AC-FT)	PROPOSED VOLUME(AC-FT)
A	1.09	1.12	.0429	.0432
B	0.57	0.07	.0211	.0019
C	1.55	1.92	.0597	.0737
TOTAL TO LOMAS	3.22	3.11	.1236	.1187
D	3.03	2.89	.1192	.1117

EXISTING TOPO AND BASIN MAP



THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDonald's CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

CHAVEZ-GRIEVE CONSULTING ENGINEERS, INC.
9639 Jefferson Street N.E., Albuquerque, New Mexico 87109
Phone (505) 944-4080 Fax (505) 943-8709
The Engineering Firm of Choice



McDonald's
11824 LOMAS BLVD. N.E.

ALBUQUERQUE

NEW MEXICO

McDonald's CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

DRAINAGE AND GRADING PLAN			
DRAWN BY C-Q/MC	MATERIAL / DESCRIPTION EXISTING DRAINAGE PLAN	CHECKED BY C-Q/JK	DATE CHECKED 8/12/93
DATE DRAWN 8/09/93		APPROVED BY	DATE APPROV
DRAWING ID		ISSUE REF	DATE ISSUED

C2

HYDROLOGIC CALCULATIONS

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
 RUN DATE (MON/DAY/YR) = 08/07/1993
 START TIME (HR:MIN:SEC) = 18:17:19 USER NO.= J_KELLY_S92
 INPUT FILE = AHYLOMA.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 11824 LOMAS NE--
 ** ALBUQUERQUE, NEW MEXICO
 ** FILENAME: C:\MCDONALD\AHYLOMA.IN\OUT
 ** 100-YEAR, 6-HOUR STORM
 ** DATE: AUGUST 9, 1993

START 0.00
 RAINFALL TYPE=1 RAIN QUARTER=0.0 RAIN ONE=2.09
 RAIN SIX=2.58 RAIN DAY=3.20 DT=0.03333

Table with 3 columns: DT, COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR., END TIME. Rows show rainfall distribution data for various time intervals.

***** COMPUTE THE RUNOFF FROM THE EXISTING BASINS *****
 * BASIN A (ON-SITE RETENTION PONDING IN PARKING LOT. A PIPE AT
 * THE LOW POINT DISCHARGES INTO A DRY WELL. WHEN THE POND FILLS
 * UP, IT DISCHARGES INTO LOMAS VIA THE EAST DRIVEWAY. SINCE IT
 * IS NOT KNOWN HOW LARGE THE DRYWELL IS, AND WHETHER IT IS
 * WORKING OR NOT, IT WILL BE ASSUMED THAT THE DRYWELL IS NOT
 * WORKING. THE POND WILL FILL UP TO THE TOP AND THEN DISCHARGE
 * INTO THE STREET. IT STORES .013 AC-FT AT 3" AVERAGE DEPTH.
 * FOR THE PURPOSES OF THIS HYDROLOGIC MODEL, THE POND WILL BE
 * IGNORED, AND IT WILL BE ASSUMED THAT THE RUNOFF DISCHARGES
 * DIRECTLY INTO THE STREET.)

COMPUTE NM HYD ID=1 HYD=101.1 DA=.000347 SQ MI
 %A=0.0 %B=1.0 %C=0.0 %D=99.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .3563 CFS UNIT VOLUME = .9911 B = 526.28 P60 = 2.0900
 AREA = .000344 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133053HR TP = .133300HR K/TP RATIO = .998145 SHAPE CONSTANT, N = 3.536934
 UNIT PEAK = .84086E-02CFS UNIT VOLUME = .8698 B = 323.02 P60 = 2.0900
 AREA = .000003 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 101.10

RUNOFF VOLUME = 2.31766 INCHES = .0429 ACRE-FEET
 PEAK DISCHARGE RATE = 1.09 CFS AT 1.500 HOURS BASIN AREA = .0003 SQ. MI.

* BASIN B (DISCHARGE INTO THE LOMAS R.O.W. VIA SHEET FLOW)

COMPUTE NM HYD ID=2 HYD=102.1 DA=.000199 SQ MI
 %A=0.0 %B=18.0 %C=8.0 %D=74.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .58139 CFS UNIT VOLUME = .9786 B = 526.28 P60 = 2.0900
 AREA = .000147 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .125451HR TP = .133300HR K/TP RATIO = .941121 SHAPE CONSTANT, N = 3.757053
 UNIT PEAK = .13144 CFS UNIT VOLUME = .8983 B = 338.63 P60 = 2.0900
 AREA = .000052 SQ MI IA = .45385 INCHES INF = 1.12077 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 102.10

RUNOFF VOLUME = 1.98341 INCHES = .0211 ACRE-FEET
 PEAK DISCHARGE RATE = .57 CFS AT 1.500 HOURS BASIN AREA = .0002 SQ. MI.

* BASIN C (DISCHARGE INTO THE LOMAS R.O.W. VIA THE WEST
 * DRIVEWAY. INCLUDES AN OFF-SITE GRAVEL STRIP THAT DISCHARGES
 * THROUGH THE SITE.)

COMPUTE NM HYD ID=3 HYD=103.1 DA=.000502 SQ MI
 %A=0.0 %B=1.0 %C=8.0 %D=91.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 1.8035 CFS UNIT VOLUME = .9933 B = 526.28 P60 = 2.0900
 AREA = .000457 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .111093HR TP = .133300HR K/TP RATIO = .833408 SHAPE CONSTANT, N = 4.279206
 UNIT PEAK = .12655 CFS UNIT VOLUME = .8982 B = 373.37 P60 = 2.0900
 AREA = .00045 SQ MI IA = .36687 INCHES INF = .87667 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 103.10

RUNOFF VOLUME = 2.23089 INCHES = .0597 ACRE-FEET
 PEAK DISCHARGE RATE = 1.55 CFS AT 1.500 HOURS BASIN AREA = .0005 SQ. MI.

* SUM UP THE RUNOFF INTO LOMAS VIA THIS SITE (RUNOFF FROM
 * BASINS A, B AND C.)

ADD HYD ID=3 HYD=101.11 ID I=2 ID II=3
 PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 101.11

RUNOFF VOLUME = 2.15997 INCHES = .0808 ACRE-FEET
 PEAK DISCHARGE RATE = 2.12 CFS AT 1.500 HOURS BASIN AREA = .0007 SQ. MI.

ADD HYD ID=3 HYD=101.12 ID I=3 ID II=1
 PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 101.12

RUNOFF VOLUME = 2.21193 INCHES = .1236 ACRE-FEET
 PEAK DISCHARGE RATE = 3.22 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

* BASIN D (DISCHARGE INTO THE ALLEY VIA THE ALLEY DRIVEWAY.
 * SOME OFFSITE RUNOFF FROM THE ADJACENT PARKING LOT TO THE
 * EAST DISCHARGES THROUGH THE SITE.)

COMPUTE NM HYD ID=4 HYD=104.1 DA=.000970 SQ MI
 %A=0.0 %B=2.0 %C=0.0 %D=98.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 3.7530 CFS UNIT VOLUME = .9965 B = 526.28 P60 = 2.0900
 AREA = .000951 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133053HR TP = .133300HR K/TP RATIO = .998145 SHAPE CONSTANT, N = 3.536934
 UNIT PEAK = .47010E-01CFS UNIT VOLUME = .8698 B = 323.02 P60 = 2.0900
 AREA = .000019 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 104.10

RUNOFF VOLUME = 2.30327 INCHES = .1192 ACRE-FEET
 PEAK DISCHARGE RATE = 3.03 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

***** COMPUTE THE RUNOFF FROM THE DEVELOPED BASINS *****

* BASIN A (DISCHARGE TO THE STREET AS BEFORE.)
 COMPUTE NM HYD ID=1 HYD=201.1 DA=.000370 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 = 1.3147 CFS UNIT VOLUME = .9911 B = 526.28 P60 = 2.0900
 AREA = .000333 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133053HR TP = .133300HR K/TP RATIO = .998145 SHAPE CONSTANT, N = 3.536934
 UNIT PEAK = .89659E-01CFS UNIT VOLUME = .8698 B = 323.02 P60 = 2.0900
 AREA = .000037 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 201.10

RUNOFF VOLUME = 2.18810 INCHES = .0432 ACRE-FEET
 PEAK DISCHARGE RATE = 1.12 CFS AT 1.500 HOURS BASIN AREA = .0004 SQ. MI.

* BASIN B (DISCHARGE INTO THE LOMAS R.O.W. VIA SHEET FLOW)

COMPUTE NM HYD ID=2 HYD=202.1 DA=.000040 SQ MI
 %A=0.0 %B=100.0 %C=0.0 %D=0.0
 TP=0.1333 RAINFALL=-1

K = .133053HR TP = .133300HR K/TP RATIO = .998145 SHAPE CONSTANT, N = 3.536934
 UNIT PEAK = .96929E-01CFS UNIT VOLUME = .8698 B = 323.02 P60 = 2.0900
 AREA = .000040 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 202.10

RUNOFF VOLUME = .89243 INCHES = .0019 ACRE-FEET
 PEAK DISCHARGE RATE = .07 CFS AT 1.500 HOURS BASIN AREA = .0000 SQ. MI.

* BASIN C (DISCHARGE INTO THE LOMAS R.O.W. VIA THE WEST
 * DRIVEWAY. INCLUDES AN OFF-SITE GRAVEL STRIP THAT DISCHARGES
 * THROUGH THE SITE.)

COMPUTE NM HYD ID=3 HYD=203.1 DA=.000638 SQ MI
 %A=0.0 %B=7.0 %C=6.0 %D=87.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 2.1914 CFS UNIT VOLUME = .9941 B = 526.28 P60 = 2.0900
 AREA = .000555 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .121651HR TP = .133300HR K/TP RATIO = .912608 SHAPE CONSTANT, N = 3.880225
 UNIT PEAK = .21597 CFS UNIT VOLUME = .9386 B = 347.10 P60 = 2.0900
 AREA = .000083 SQ MI IA = .43077 INCHES INF = 1.05615 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 203.10

RUNOFF VOLUME = 2.16473 INCHES = .0737 ACRE-FEET
 PEAK DISCHARGE RATE = 1.92 CFS AT 1.500 HOURS BASIN AREA = .0006 SQ. MI.

* SUM UP THE DISCHARGE TO LOMAS TO DETERMINE THE TOTAL INTO
 * LOMAS FROM THE SITE.

ADD HYD ID=3 HYD=203.11 ID I=3 ID II=2
 ADD HYD ID=3 HYD=203.111 ID I=3 ID II=1
 PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 203.11

RUNOFF VOLUME = 2.12382 INCHES = .1187 ACRE-FEET
 PEAK DISCHARGE RATE = 3.11 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

* BASIN D (DISCHARGE TO THE ALLEY. INCLUDES THE OFFSITE
 * DISCHARGE AS BEFORE.)

COMPUTE NM HYD ID=4 HYD=204.1 DA=.000970 SQ MI
 %A=0.0 %B=12.0 %C=0.0 %D=88.0
 TP=0.1333 RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 3.3701 CFS UNIT VOLUME = .9961 B = 526.28 P60 = 2.0900
 AREA = .000854 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133053HR TP = .133300HR K/TP RATIO = .998145 SHAPE CONSTANT, N = 3.536934
 UNIT PEAK = .28205 CFS UNIT VOLUME = .9524 B = 323.02 P60 = 2.0900
 AREA = .000116 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 204.10

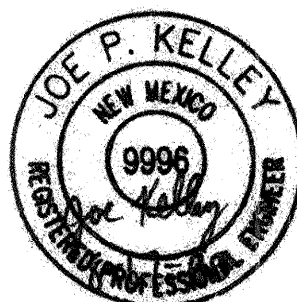
RUNOFF VOLUME = 2.15930 INCHES = .1117 ACRE-FEET
 PEAK DISCHARGE RATE = 2.89 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 18:17:25

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CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC.
 6636 Jefferson Street N.E., Albuquerque, New Mexico 87109
 Phone (505) 944-4060 Fax (505) 943-9759
 The Engineering Firm of Choice



McDonald's
 11824 LOMAS BLVD. N.E.

ALBUQUERQUE

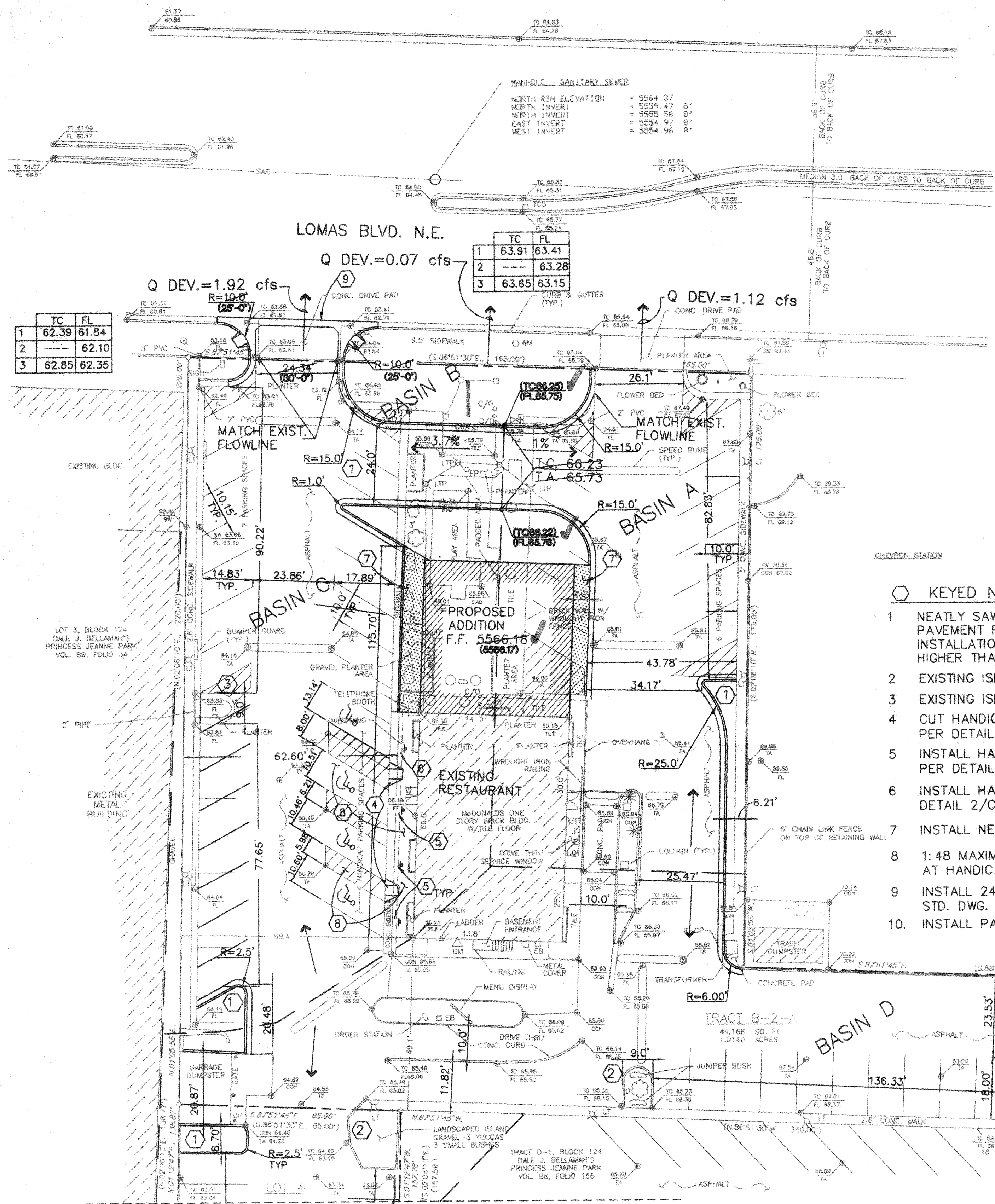
NEW MEXICO

Table with 4 columns: TITLE, MATERIAL / DESCRIPTION, CHECKED BY, DATE CHECKED. Includes McDonald's Corporation logo and project details.

SHEET NO.

C3

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Revision table for the drawing.



TC	FL
1	62.39
2	62.10
3	62.35

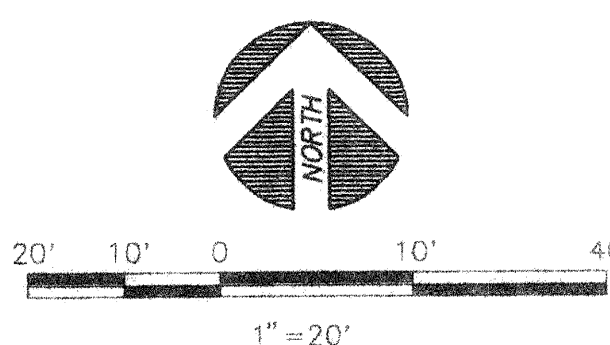
TC	FL
1	63.91
2	63.28
3	63.65

KEYED NOTES

- NEATLY SAWCUT AND REMOVE EXISTING PAVEMENT FOR LANDSCAPED ISLAND INSTALLATION. INSTALL NEW CURB 6" HIGHER THAN ADJACENT PAVEMENT, TYP.
- EXISTING ISLAND TO REMAIN.
- EXISTING ISLAND TO BE REMOVED.
- CUT HANDICAP RAMP INTO EXIST. SIDEWALK PER DETAIL, SHEET C3.
- INSTALL HANDICAP SIGN WITH "RESERVED" PER DETAIL 2/C4.
- INSTALL HANDICAP SIGN WITH "VAN" PER DETAIL 2/C4.
- INSTALL NEW SIDEWALK.
- 1:48 MAXIMUM SLOPE IN ALL DIRECTIONS AT HANDICAP PARKING SPACES.
- INSTALL 24.34" PRIVATE DRIVEWAY PER C.O.A. STD. DWG. 2426.
- INSTALL PARKING BUMPER, TYP. OF 5.

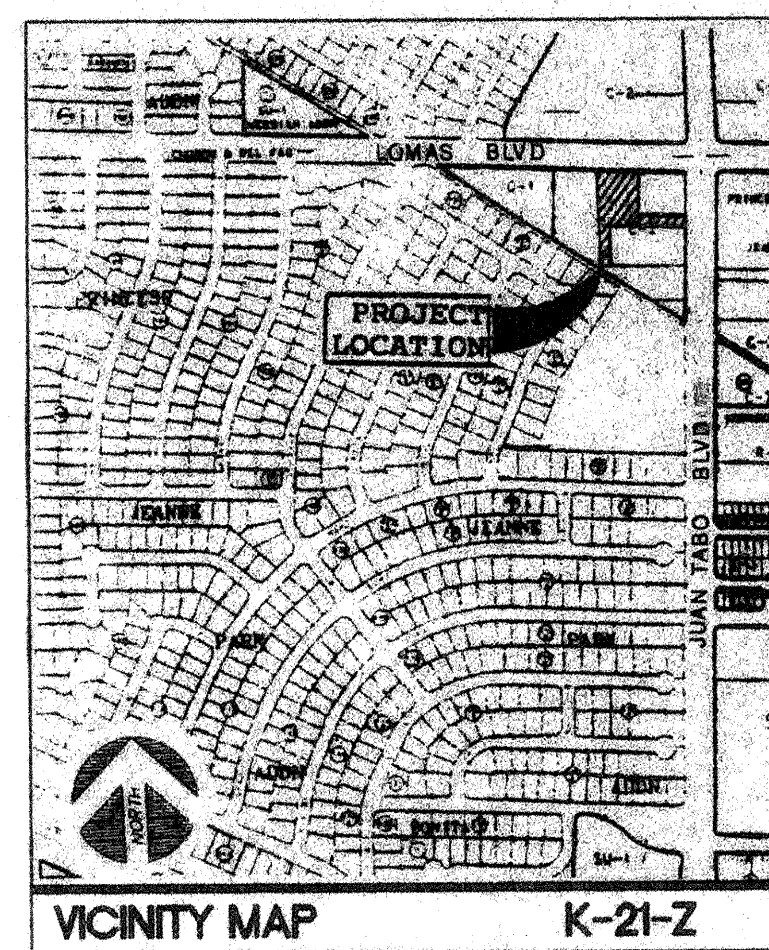
GENERAL NOTES

- ALL SURFACING ALONG ACCESSIBLE ROUTES AND HANDICAP RAMPS SHALL BE STABLE, FIRM, SLIP-RESISTANT, AND SHALL COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS, PARAGRAPH 4.5
- SEE SHEET C2 FOR EROSION CONTROL NOTES.
- SEE SHEET C4 FOR DRAINAGE REPORT.



LEGEND:

- FLOW ARROW
- BASIN BOUNDARY
- Q DEV.=1.09 cfs → DEVELOPED BASIN DISCHARGE
- ▨ NEW BUILDING
- NEW CURB
- T.C. 66.23 T.A. 65.73 NEW TOP OF CURB/FLOWLINE
- ▨ NEW SIDEWALK
- c DESIGNATED COMPACT CAR PARKING
- T.C. 66.23 (T.C. 66.22) AS-BUILT ELEVATIONS



NOTICE TO THE CONTRACTOR

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATING DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (765-2551) PRIOR TO OCCUPANCY PUBLIC RIGHT-OF-WAY. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

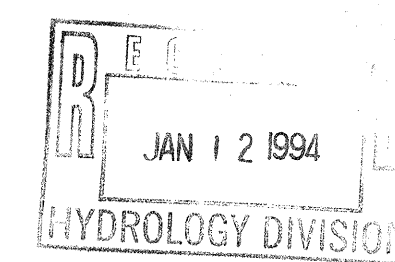
BENCH MARK:

ELEVATIONS SHOWN ARE SLD 1929 DATUM BASED ON A.C.S. BENCH MARK "17-J22", ELEVATION = 5,585.09.

TRACT-1-A
ACCESS AND DRAINAGE EASEMENT
RECORDED ON JANUARY 10, 1994
BOOK 94-1, PAGE 8186-8192.

ENGINEERS CERTIFICATION

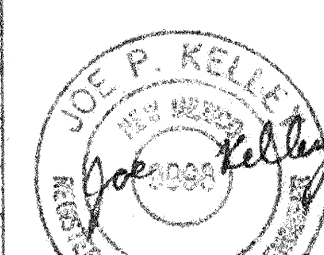
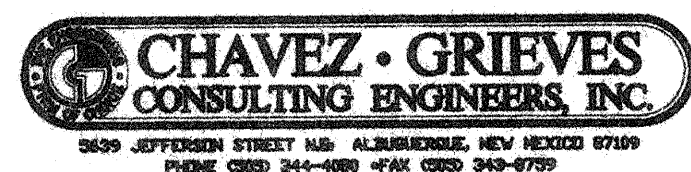
I HEREBY CERTIFY THIS DRAINAGE PLAN IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.
SIGNED: *Joe P. Kelley* PE#9996
DATE: *Jan 11, 1994*



AS BUILT
DATE: *1/11/94*

C1

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ALBUQUERQUE

NEW MEXICO

McDonald's CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60061

TITLE	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
DRAINAGE AND GRADING PLAN	SITE AND DRAINAGE PLAN	C-Q/JK	6/14/93
DATE DRAWN	DATE APPROVED	DATE ISSUED	DATE BUILT
10/14/93			

SHEET NO.