DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG.FILE#: G-11/D53

DRB #: 94-453 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW 3400 Coors N W

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

_____ YES
_X_ NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

RECEIVED
MAR 28 1995

DATE SUBMITTED: 3/28/95

BY: John M. MacKenzie
John M. MacKenzie, PE

: Called Vicki to OK 30 day Temp C.O.
3-28-95
APC

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 3, 1995

CERTIFICATE OF COMPLETION AND ACCEPTANCE

Central Avenue Partners
2325 San Pedro N.E.
Albuquerque, NM 87110

RE: PROJECT NO. 5058.80 WALGREEN'S COOR'S SEQUOIA
(MAP NO. G-11-Z)

Dear Sir:

This is to certify that the City of Albuquerque accepts Project No. 5058.80 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:

- Project consisted of paving alley adjacent to Walgreens property, and the construction of temporary entrance arrow off Coors Boulevard into Walgreens. Project also included construction of temporary swale and relocation of one water meter.

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

APR 10 1995
HYDROLOGY DIV.

Sincerely,

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: Mark Goodwin, Mark Goodwin & Assoc.
Carlos Spiess, Sundance Mechanical
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
Sam Hall, Operations Group, PWD
Jim Fink, Operations Group, PWD
Ray Chavez, Traffic Engineering, PWD
Stuart Reeder, Water/Wastewater Group, PWD
Dean Wall, Engineering Group, PWD
Josie Gutierrez, New Meter Sales, Finance Group, PWD
Richard Zamora, Engineering Group, PWD
f/Project No. 5058.80
f/Readers
f/Warranty:Contract

10-6-94

Spoke w/ emp.
on phone. Told him
that Mon would need
to be remined to
show future cops
Bkd. food smoke
det. to see him
re security.

EH

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG.FILE#: G-11/D53

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

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 7/26/94

BY: John M. MacKenzie
John M. MacKenzie, PE

RECEIVED
JUL 25 1994

```
     AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
          RUN DATE (MON/DAY/YR) = 01/27/1994
          START TIME (HR:MIN:SEC) = 07:32:30     USER NO.= Z_GOODWN.S92
          INPUT FILE = WLGRN.DAT


START                    TIME=0.0
***** HYDROGRAGH FOR THE NEW WALGREEN'S ON SEQUOIA AND COORS
RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=1.88 IN RAIN SIX=2.21 IN
                         RAIN DAY=2.65 IN DT=0.03333 HR


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

                    DT =     .033330 HOURS        END TIME =     5.999400 HOURS
                       .0000    .0016    .0033    .0050    .0067    .0084    .0103
                       .0121    .0140    .0159    .0179    .0200    .0221    .0242
                       .0264    .0287    .0311    .0335    .0360    .0386    .0413
                       .0441    .0470    .0500    .0531    .0564    .0598    .0634
                       .0672    .0712    .0754    .0806    .0861    .0921    .1048
                       .1334    .1773    .2403    .3264    .4395    .5837    .7633
                       .9825   1.1859   1.2709   1.3426   1.4064   1.4645   1.5179
                     1.5675   1.6139   1.6574   1.6983   1.7368   1.7733   1.8078
                     1.8405   1.8714   1.9009   1.9288   1.9553   1.9615   1.9673
                     1.9727   1.9779   1.9829   1.9877   1.9923   1.9967   2.0010
                     2.0051   2.0090   2.0129   2.0166   2.0202   2.0238   2.0272
                     2.0306   2.0338   2.0370   2.0401   2.0431   2.0461   2.0490
                     2.0519   2.0547   2.0574   2.0601   2.0627   2.0653   2.0679
                     2.0704   2.0728   2.0752   2.0776   2.0800   2.0823   2.0845
                     2.0868   2.0890   2.0911   2.0933   2.0954   2.0975   2.0995
                     2.1016   2.1036   2.1055   2.1075   2.1094   2.1113   2.1132
                     2.1151   2.1169   2.1188   2.1206   2.1223   2.1241   2.1259
                     2.1276   2.1293   2.1310   2.1327   2.1343   2.1360   2.1376
                     2.1392   2.1408   2.1424   2.1440   2.1455   2.1470   2.1486
                     2.1501   2.1516   2.1531   2.1546   2.1560   2.1575   2.1589
                     2.1603   2.1618   2.1632   2.1646   2.1659   2.1673   2.1687
                     2.1700   2.1714   2.1727   2.1740   2.1753   2.1767   2.1780
                     2.1792   2.1805   2.1818   2.1831   2.1843   2.1855   2.1868
                     2.1880   2.1892   2.1904   2.1917   2.1929   2.1940   2.1952
                     2.1964   2.1976   2.1987   2.1999   2.2010   2.2022   2.2033
                     2.2044   2.2056   2.2067   2.2078   2.2089   2.2100

*****                    ON-SITE EXISTING CONDITIONS
COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.002469 SQ MI
                         PER A=30.0 PER B=0.0 PER C=40.0 PER D=30.0
                         TP=0.1333 HR MASS RAINFALL=-1

          K =    .072649HR     TP =    .133300HR     K/TP RATIO =    .545000      SHAPE CONSTANT, N =
7.106420
          UNIT PEAK =    2.9243     CFS    UNIT VOLUME =     .9955        B =    526.28       P60 = 1.88
00
          AREA =         .000741 SQ MI     IA =     .10000 INCHES     INF =     .04000 INCHES PER HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330


          K =    .130602HR     TP =    .133300HR     K/TP RATIO =    .979759      SHAPE CONSTANT, N =
3.604394
          UNIT PEAK =    4.2510     CFS    UNIT VOLUME =     .9970        B =    327.87       P60 = 1.88
00
          AREA =         .001728 SQ MI     IA =     .47857 INCHES     INF =    1.19000 INCHES PER HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330

PRINT HYD                ID=1 [COUT=1]
```

00

AREA = .001728 SQ MI IA = .47857 INCHES INF = 1.19000 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 = 1.09305 INCHES = .1439 ACRE-FEET
PEAK DISCHARGE RATE = 4.44 CFS AT 1.500 HOURS BASIN AREA = .0025 SQ. MI.

***** PROPOSED CONDITIONS
COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.002469 SQ MI
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 = 8.0906 CFS UNIT VOLUME = .9981 B = 526.28 P60 = 1.88
00
AREA = .002049 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .130816HR TP = .133300HR K/TP RATIO = .981365 SHAPE CONSTANT, N =
3.598385
UNIT PEAK = 1.0310 CFS UNIT VOLUME = .9874 B = 327.44 P60 = 1.88
00
AREA = .000420 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 101.20

RUNOFF VOLUME = 1.75441 INCHES = .2310 ACRE-FEET
PEAK DISCHARGE RATE = 6.32 CFS AT 1.500 HOURS BASIN AREA = .0025 SQ. MI.

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG.FILE#: G-11/D053

DRB #: 94-453 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: ~~828-2200~~ 345-2010

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

_____ YES
X NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 9/27/94

BY: John M. MacKenzie
John M. MacKenzie, PE

SEP 28

D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

September 27, 1994

Mr. Scott Davis
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: Walgreen's (@ Coors and Sequoia NW) Grading and Drainage Plan with Engineer's Stamp dated September 27, 1994 (G-11/D-53)

Dear Mr. Davis:

Based upon numerous meetings that have recently taken place with City personnel, we are submitting a revision of the referenced plan.

The key issues discussed were related to traffic and hydrology, how these should be treated under existing conditions, and how they would tie into the proposed reconstruction and widening of Coors Blvd.

Temporary pavement with temporary asphalt curb was the only alternative to serve present needs and enable appropriate tie-in to the future improvements. The permanent features will be paid to the City so they can be coupled with preliminary plans for Coors Blvd. when construction occurs.

Drainage generated within City right-of-way and presently discharging on to our site will be conveyed with an asphalt swale that acts as a valley gutter along the proposed access point to Coors Blvd., and then behind the temporary curb as a non-vehicular asphalt swale. The proposed discharge point of this swale coincides with an existing curb and gutter flowline elevation of 01.28 on Sequoia Rd.

All in all, this plan now covers all the bases. If there are other comments I may not have addressed, please continue your practice of calling me at the office to voice your concerns.

Please contact me if necessary.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

Attachment

SEP 28

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 18, 1994

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

RE: SITE DEVELOPMENT PLAN APPROVAL FOR WALGREENS (G-11/D53) ENGINEER'S STAMP DATED 10/13/94

Dear Mr. MacKenzie:

Based upon your resubmittal, dated 10/17/94, the referenced project is approved for Building Permit. Please be advised that prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist.

If I can be of further assistance, I can be reached at 768-3622.

Sincerely,

Scott Davis
PWD, Hydrology Division

c: Andrew Garcia
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG.FILE#: G-11/D053

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

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

____ YES
X NO
____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 10/13/94

BY: John M. MacKenzie
John M. MacKenzie, PE

OCT 13 1994

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG,FILE#: G-11/d53

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

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT

_____ DRAINAGE PLAN

__X__ CONCEPTUAL GRADING & DRAINAGE PLAN

_____ GRADING PLAN

_____ EROSION CONTROL PLAN

_____ ENGINEER'S CERTIFICATION

_____ OTHER

PRE-DESIGN MEETING:

_____ YES

__X__ NO

_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

_____ SKETCH PLAT APPROVAL

_____ PRELIMINARY PLAT APPROVAL

__X__ 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

_____ CERTIFICATION OF OCCUPANCY APPROVAL

_____ GRADING PERMIT APPROVAL

_____ PAVING PERMIT APPROVAL

_____ S.A.D. DRAINAGE REPORT

_____ DRAINAGE REQUIREMENTS

_____ OTHER _____ (Specify)

DATE SUBMITTED: 3/17/94

BY: John M. MacKenzie
John M. MacKenzie, PE

RECEIVED
MAR 17 1994

```
    AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
          RUN DATE (MON/DAY/YR) = 01/27/1994
          START TIME (HR:MIN:SEC) = 07:32:30      USER NO.= Z_GOODWN.S92
          INPUT FILE = WLGRN.DAT


START                    TIME=0.0
***** HYDROGRAGH FOR THE NEW WALGREEN'S ON SEQUOIA AND COORS
RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=1.88 IN RAIN SIX=2.21 IN
                         RAIN DAY=2.65 IN DT=0.03333 HR

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

                         DT =     .033330 HOURS        END TIME =     5.999400 HOURS
                            .0000   .0016   .0033   .0050   .0067   .0084   .0103
                            .0121   .0140   .0159   .0179   .0200   .0221   .0242
                            .0264   .0287   .0311   .0335   .0360   .0386   .0413
                            .0441   .0470   .0500   .0531   .0564   .0598   .0634
                            .0672   .0712   .0754   .0806   .0861   .0921   .1048
                            .1334   .1773   .2403   .3264   .4395   .5837   .7633
                            .9825  1.1859  1.2709  1.3426  1.4064  1.4645  1.5179
                           1.5675  1.6139  1.6574  1.6983  1.7368  1.7733  1.8078
                           1.8405  1.8714  1.9009  1.9288  1.9553  1.9615  1.9673
                           1.9727  1.9779  1.9829  1.9877  1.9923  1.9967  2.0010
                           2.0051  2.0090  2.0129  2.0166  2.0202  2.0238  2.0272
                           2.0306  2.0338  2.0370  2.0401  2.0431  2.0461  2.0490
                           2.0519  2.0547  2.0574  2.0601  2.0627  2.0653  2.0679
                           2.0704  2.0728  2.0752  2.0776  2.0800  2.0823  2.0845
                           2.0868  2.0890  2.0911  2.0933  2.0954  2.0975  2.0995
                           2.1016  2.1036  2.1055  2.1075  2.1094  2.1113  2.1132
                           2.1151  2.1169  2.1188  2.1206  2.1223  2.1241  2.1259
                           2.1276  2.1293  2.1310  2.1327  2.1343  2.1360  2.1376
                           2.1392  2.1408  2.1424  2.1440  2.1455  2.1470  2.1486
                           2.1501  2.1516  2.1531  2.1546  2.1560  2.1575  2.1589
                           2.1603  2.1618  2.1632  2.1646  2.1659  2.1673  2.1687
                           2.1700  2.1714  2.1727  2.1740  2.1753  2.1767  2.1780
                           2.1792  2.1805  2.1818  2.1831  2.1843  2.1855  2.1868
                           2.1880  2.1892  2.1904  2.1917  2.1929  2.1940  2.1952
                           2.1964  2.1976  2.1987  2.1999  2.2010  2.2022  2.2033
                           2.2044  2.2056  2.2067  2.2078  2.2089  2.2100

*****                    ON-SITE EXISTING CONDITIONS
COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.002469 SQ MI
                         PER A=30.0 PER B=0.0 PER C=40.0 PER D=30.0
                         TP=0.1333 HR MASS RAINFALL=-1

      K =    .072649HR    TP =    .133300HR    K/TP RATIO =    .545000     SHAPE CONSTANT, N =
7.106420
      UNIT PEAK =    2.9243    CFS    UNIT VOLUME =     .9955       B =    526.28       P60 = 1.88
00
      AREA =       .000741 SQ MI    IA =     .10000 INCHES    INF =     .04000 INCHES PER HOUR
      RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330


      K =    .130602HR    TP =    .133300HR    K/TP RATIO =    .979759     SHAPE CONSTANT, N =
```

UNIT PEAK = 4.2510 CFS UNIT VOLUME = .9970 B = 327.87 P60 = 1.88
00
AREA = .001728 SQ MI IA = .47857 INCHES INF = 1.19000 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 = 1.09305 INCHES = .1439 ACRE-FEET
PEAK DISCHARGE RATE = 4.44 CFS AT 1.500 HOURS BASIN AREA = .0025 SQ. MI.

***** PROPOSED CONDITIONS
COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.002469 SQ MI
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 = 8.0906 CFS UNIT VOLUME = .9981 B = 526.28 P60 = 1.88
00
AREA = .002049 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .130816HR TP = .133300HR K/TP RATIO = .981365 SHAPE CONSTANT, N =
3.598385
UNIT PEAK = 1.0310 CFS UNIT VOLUME = .9874 B = 327.44 P60 = 1.88
00
AREA = .000420 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 101.20

RUNOFF VOLUME = 1.75441 INCHES = .2310 ACRE-FEET
PEAK DISCHARGE RATE = 6.32 CFS AT 1.500 HOURS BASIN AREA = .0025 SQ. MI.

***** OFF-SITE EXISTING CONDITIONS
COMPUTE NM HYD ID=3 HYD NO=101.3 AREA=0.003292 SQ MI
PER A=40.0 PER B=0.0 PER C=40.0 PER D=20.0
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N =
7.106420
UNIT PEAK = 2.5994 CFS UNIT VOLUME = .9949 B = 526.28 P60 = 1.88
00
AREA = .000658 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .134706HR TP = .133300HR K/TP RATIO = 1.010545 SHAPE CONSTANT, N =
3.493165
UNIT PEAK = 6.3189 CFS UNIT VOLUME = .9982 B = 319.83 P60 = 1.88
00
AREA = .002634 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR

```
 PRINT HYD              ID=3 CODE=1

                                        PARTIAL HYDROGRAPH   101.30


      RUNOFF VOLUME =       .93505 INCHES     =         .1642 ACRE-FEET
      PEAK DISCHARGE RATE =       5.24 CFS  AT   1.500 HOURS   BASIN AREA =    .0033 SQ. MI.


      *****                 OFF-SITE PROPOSED CONDITIONS
      COMPUTE NM HYD        ID=4 HYD NO=101.4 AREA=0.003292 SQ MI
                            PER A=0.0 PER B=12.0 PER C=0.0 PER D=88.0
                            TP=0.1333 HR MASS RAINFALL=-1

      K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =
7.106420
      UNIT PEAK =   11.437    CFS   UNIT VOLUME =    .9984       B =   526.28      P60 = 1.88
00
      AREA =       .002897 SQ MI    IA =     .10000 INCHES    INF =     .04000 INCHES PER HOUR
      RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


      K =   .130816HR    TP =   .133300HR    K/TP RATIO =   .981365     SHAPE CONSTANT, N =
3.598385
      UNIT PEAK =   .97038    CFS   UNIT VOLUME =    .9863       B =   327.44      P60 = 1.88
00
      AREA =       .000395 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   101.40


      RUNOFF VOLUME =     1.81944 INCHES     =         .3194 ACRE-FEET
      PEAK DISCHARGE RATE =       8.68 CFS  AT   1.500 HOURS   BASIN AREA =    .0033 SQ. MI.


 FINISH

 NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 07:32:38
```

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 19, 1995

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

RE: ENGINEER CERTIFICATION FOR WALGREENS (G11-D53)
CERTIFICATION STATEMENT DATED 3/28/95.

Dear Mr. MacKenzie:'

Based on the information provided on your March 28, 1995 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

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Walgreens ZONE ATLAS/DRNG.FILE#: G-11/D053

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

LEGAL DESCRIPTION: A portion of Tract B-2, Town of Atrisco Grant, Lands of E. Fish & Tract A Town of Atrisco Grant

CITY ADDRESS: Coors Road and Sequoia Road NW

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: John M. MacKenzie, PE

ADDRESS: P.O. Box 90606 PHONE: 828-2200

OWNER: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: de la Torre - Rainhart CONTACT: George Rainhart

ADDRESS: 7801 Academy, Ste 200 PHONE: 828-9611

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 8/2/94

BY: John M. MacKenzie
John M. MacKenzie, PE

NOTE:
Please insert in place of the existing submittal

AUG 3 1994