CITY OF ALBUQUERQUE

January 14, 2008

Dennis A. Lorenz, P.E.
Brasher & Lorenz
2201 San Pedro NE
Albuquerque, NM 87110

Re: Aguamatic Landscaping, 3024 Broadway SE
Grading and Drainage Plan
Engineer's Stamp dated 12-18-07 (M14-D033)

Dear Mr. Lorenz,

Based upon the information provided in your submittal received 12-19-07, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. After project completion, Engineer Certification per the DPM checklist will be required.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

This project will also require a National Pollutant Discharge Elimination System (NPDES) permit. Inquiries regarding this permit should be directed to Sertil Kandar at 768-3645. In addition to submitting an NOI to the EPA and preparing a SWPPP, please send a copy of their SWPPP on a CD in .pdf format to Kathy Verhage with the Department of Municipal Development Storm Drainage Division at the following address.

Department of Municipal Development
Storm Drainage Division
P.O. Box 1293, One Civic Plaza, Rm. 301
Attn: Kathy Verhage
Albuquerque, NM 87103

If you have any questions, you can contact me at 924-3977.

Sincerely,

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

C: Charles Caruso, DMD Storm Drainage Design
File

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

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 06/22/2005)

M-14 / D033

PROJECT TITLE: AGUA-MATIC — ZONE MAP/DRG. FILE #: M-14

DRB#: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: TRACT 'N' SCHARTZMAN IND. PARK

CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ

ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088

CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN

ADDRESS: 3024 BROADWAY SE — PHONE: —

CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME

ADDRESS: 5921 LOMAS NE — PHONE: 2555040

CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS

ADDRESS: 2410 D MONROE NE — PHONE: 889-8056

CITY, STATE: ALBQ NM — ZIP CODE: 87110

CONTRACTOR: UNKNOWN — CONTACT:

ADDRESS: — PHONE:

CITY, STATE: — ZIP CODE:

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

RECEIVED
DEC 19 2007
HYDROLOGY SECTION

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- X NO
- ____ COPY PROVIDED

PAID #50.00

SUBMITTED BY: DENNIS LORENZ — DATE: 12.19.07

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

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

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

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

SUPPLEMENTAL CALCULATIONS
FOR
AGUAMATIC LANDSCAPING

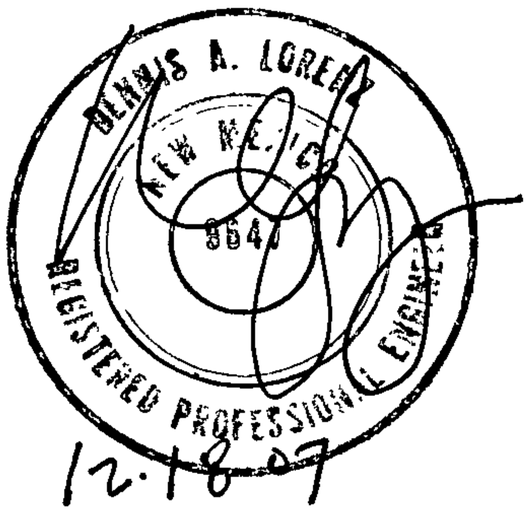
ALBUQUERQUE, NEW MEXICO

Prepared For:

Sanders & Associates Architects
5921 Lomas Blvd. NE, Suite B
Albuquerque, New Mexico 87110

Prepared by:

BRASHER AND LORENZ, INC.
Consulting Engineers
2201 San Pedro NE, Building 1, Suite 1300
Albuquerque, New Mexico 87110



December, 2007

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**********************************************************************
*                        AGUAMATIC LANDSCAPING
*                          PROJECT HYDROLOGY
*                           DECEMBER, 2007
**********************************************************************
START                 TIME=0.0  PUNCH CODE=0
RAINFALL              TYPE=1  RAIN QUARTER=0.0  RAIN ONE=2.01
                      RAIN SIX=2.35  RAIN DAY=2.75  DT=0.03333 HRS
**********************************************************
* UNDEVELOPED SITE
**********************************************************
* EXISTING SITE - 1.92 ACRES
COMPUTE NM HYD        ID=1  HYD NO=EX.SITE DA=0.003 SQ MI
                      PER A=0 PER B=0  PER C=99 PER D=1
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=1  CODE=20
**********************************************************
* UNDEVELOPED OFF-SITE BASINS
**********************************************************
* OFF-SITE BASIN OS-1 - 0.63 ACRES
COMPUTE NM HYD        ID=2  HYD NO=OFF-SITE.OS-1  DA=0.00098 SQ MI
                      PER A=0 PER B=0  PER C=100  PER D=0
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=2  CODE=20
* OFF-SITE BASIN OS-2 - 0.64 AC
COMPUTE NM HYD        ID=3  HYD NO=OFF-SITE.OS-2  DA=0.001 SQ MI
                      PER A=0 PER B=0  PER C=98  PER D=2
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=3  CODE=20
* OFF-SITE BASIN OS-3 - 0.13 AC
COMPUTE NM HYD        ID=4  HYD NO=OFF-SITE.OS-3  DA=0.0002 SQ MI
                      PER A=0 PER B=0  PER C=93  PER D=7
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=4  CODE=20
**********************************************************
* DEVELOPED SITE
**********************************************************
* ON-SITE BASIN 1 - 0.50 AC
COMPUTE NM HYD        ID=5  HYD NO=ON-SITE.1  DA=0.00078 SQ MI
                      PER A=0 PER B=0  PER C=2  PER D=98
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=5  CODE=20
* ON-SITE BASIN 2 - 1.24 AC
COMPUTE NM HYD        ID=6  HYD NO=ON-SITE.2  DA=0.00193 SQ MI
                      PER A=0 PER B=0  PER C=99  PER D=1
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=6  CODE=20
* ON-SITE BASIN 3 - 0.18 AC
COMPUTE NM HYD        ID=6  HYD NO=ON-SITE.2  DA=0.00028 SQ MI
                      PER A=0 PER B=0  PER C=100  PER D=0
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=6  CODE=20
* DEVELOPED SITE - 1.92 ACRES
COMPUTE NM HYD        ID=7  HYD NO=EX.SITE DA=0.003 SQ MI
                      PER A=0 PER B=0  PER C=74 PER D=26
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=7  CODE=20
**********************************************************
* OFF-SITE BASINS IN DEVELOPED CONDITIONS
**********************************************************
* OFF-SITE BASIN OS-1 - 0.63 ACRES
COMPUTE NM HYD        ID=8  HYD NO=OFF-SITE.OS-1  DA=0.00098 SQ MI
                      PER A=0 PER B=0  PER C=19  PER D=81
                      TP=0.1333 HR  MASS RAIN=-1
PRINT HYD             ID=8  CODE=20
* OFF-SITE BASIN OS-2 - 0.63 AC
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COMPUTE NM HYD       ID=9  HYD NO=OFF-SITE.OS-2  DA=0.00098 SQ MI
                     PER A=0 PER B=0  PER C=98  PER D=2
                     TP=0.1333 HR  MASS RAIN=-1
PRINT HYD            ID=9  CODE=20
* OFF-SITE BASIN OS-3 - 0.14 AC
COMPUTE NM HYD       ID=10  HYD NO=OFF-SITE.OS-3  DA=0.00021 SQ MI
                     PER A=0 PER B=0  PER C=93  PER D=7
                     TP=0.1333 HR  MASS RAIN=-1
PRINT HYD            ID=10  CODE=20
*************************************************************
* ADD OFF-SITE BASIN OS-1 TO BASIN 2 AND ROUTE POND 1 TO 2
*************************************************************
* ADD OFF-SITE BASIN OS-1 TO ON-SITE BASIN 2
ADD HYD              ID=11  HYD NO=POND.2.IN  ID I=8 ID II=6
PRINT HYD            ID=11 CODE=20
* ROUTE DETENTION POND 1 THRU 12" CMP
ROUTE RESERVOIR      ID=12  HYD NO=POND.1.OUT INFLOW ID=11  CODE=10
                     OUT (CFS)   STORAGE (AF)  ELEV (FT)
                     0.0         0.0000          40.0
                     2.2         0.0174          41.0
                     5.0         0.0218          42.0
                     6.0         0.0257          43.0
PRINT HYD            ID=12 CODE=20
*************************************************************
* ADD POND 1 OUTFLOW TO BASIN 3 AND ROUTE POND 2 TO X-DI
*************************************************************
* ADD POND 1 OUTFLOW TO ON-SITE BASIN 3
ADD HYD              ID=13  HYD NO=POND.1.IN  ID I=6 ID II=12
PRINT HYD            ID=13 CODE=20
* ROUTE DETENTION POND 2 THRU 12" CMP
ROUTE RESERVOIR      ID=14  HYD NO=POND.2.OUT INFLOW ID=13  CODE=10
                     OUT (CFS)   STORAGE (AF)  ELEV (FT)
                     0.0         0.0000          39.0
                     2.2         0.0317          40.0
                     5.0         0.0365          41.0
PRINT HYD            ID=14 CODE=20
FINISH
```

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**************************************************************************
     *                          AGUAMATIC LANDSCAPING
     *                            PROJECT HYDROLOGY
     *                             DECEMBER, 2007
     **************************************************************************
     START                TIME=0.0   PUNCH CODE=0
     RAINFALL             TYPE=1  RAIN QUARTER=0.0  RAIN ONE=2.01
                          RAIN SIX=2.35  RAIN DAY=2.75  DT=0.03333 HRS

                    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   .0033   .0049   .0066   .0084   .0102
                       .0120   .0139   .0158   .0178   .0199   .0219   .0241
                       .0263   .0286   .0309   .0333   .0358   .0384   .0411
                       .0439   .0467   .0497   .0529   .0561   .0596   .0631
                       .0669   .0709   .0751   .0807   .0866   .0930   .1066
                       .1371   .1840   .2514   .3434   .4644   .6186   :8106
                     1.0449  1.2624  1.3533  1.4300  1.4982  1.5602  1.6174
                     1.6704  1.7200  1.7664  1.8102  1.8514  1.8904  1.9273
                     1.9622  1.9953  2.0268  2.0566  2.0850  2.0915  2.0976
                     2.1033  2.1088  2.1140  2.1191  2.1239  2.1285  2.1329
                     2.1373  2.1414  2.1454  2.1494  2.1531  2.1568  2.1604
                     2.1639  2.1673  2.1706  2.1739  2.1771  2.1802  2.1832
                     2.1862  2.1891  2.1919  2.1947  2.1975  2.2002  2.2028
                     2.2054  2.2080  2.2105  2.2130  2.2154  2.2178  2.2202
                     2.2225  2.2248  2.2270  2.2293  2.2315  2.2336  2.2358
                     2.2379  2.2399  2.2420  2.2440  2.2460  2.2480  2.2500
                     2.2519  2.2538  2.2557  2.2576  2.2594  2.2612  2.2631
                     2.2648  2.2666  2.2684  2.2701  2.2718  2.2735  2.2752
                     2.2769  2.2785  2.2802  2.2818  2.2834  2.2850  2.2866
                     2.2881  2.2897  2.2912  2.2928  2.2943  2.2958  2.2973
                     2.2987  2.3002  2.3017  2.3031  2.3045  2.3060  2.3074
                     2.3088  2.3102  2.3115  2.3129  2.3143  2.3156  2.3169
                     2.3183  2.3196  2.3209  2.3222  2.3235  2.3248  2.3261
                     2.3273  2.3286  2.3298  2.3311  2.3323  2.3335  2.3348
                     2.3360  2.3372  2.3384  2.3396  2.3408  2.3419  2.3431
                     2.3443  2.3454  2.3466  2.3477  2.3488  2.3500

     ************************************************************
     * UNDEVELOPED SITE
     ************************************************************
     * EXISTING SITE - 1.92 ACRES
     COMPUTE NM HYD       ID=1  HYD NO=EX.SITE DA=0.003 SQ MI
                          PER A=0 PER B=0  PER C=99 PER D=1
                          TP=0.1333 HR  MASS RAIN=-1

          K =    .072649HR     TP =    .133300HR     K/TP RATIO =    .545000      SHAPE CONSTANT, N =  7.106420
          UNIT PEAK =    .11844     CFS   UNIT VOLUME =     .9033       B =   526.28       P60 = 2.0100
          AREA =       .000030 SQ MI     IA =     .10000 INCHES     INF =     .04000 INCHES PER HOUR
          RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330
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```
     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   8.5456    CFS   UNIT VOLUME =    .9989       B =   383.55      P60 = 2.0100
     AREA =      .002970 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1  CODE=20

                                    HYDROGRAPH FROM AREA EX.SITE

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000       .0          1.333        .5          2.666        .1
      .667       .0          2.000        .9          3.333        .0

    RUNOFF VOLUME =     1.13778 INCHES     =        .1820 ACRE-FEET
    PEAK DISCHARGE RATE =       6.08 CFS  AT   1.500 HOURS   BASIN AREA =   .0030 SQ. MI.


**********************************************************
* UNDEVELOPED OFF-SITE BASINS
**********************************************************
* OFF-SITE BASIN OS-1 - 0.63 ACRES
COMPUTE NM HYD      ID=2  HYD NO=OFF-SITE.OS-1  DA=0.00098 SQ MI
                    PER A=0 PER B=0  PER C=100  PER D=0
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   2.8198    CFS   UNIT VOLUME =    .9960       B =   383.55      P60 = 2.0100
     AREA =      .000980 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=2  CODE=20

                                    HYDROGRAPH FROM AREA OFF-SITE.OS-1

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000       .0          .667        .0          1.333        .2          2.000        .3          2.666        .0

    RUNOFF VOLUME =     1.12790 INCHES     =        .0590 ACRE-FEET
    PEAK DISCHARGE RATE =       1.98 CFS  AT   1.500 HOURS   BASIN AREA =   .0010 SQ. MI.


* OFF-SITE BASIN OS-2 - 0.64 AC
COMPUTE NM HYD      ID=3  HYD NO=OFF-SITE.OS-2  DA=0.001 SQ MI
                    PER A=0 PER B=0  PER C=98  PER D=2
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   .78961E-01CFS   UNIT VOLUME =    .8874       B =   526.28      P60 = 2.0100
```

AREA = .000020 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .107446HR TP = .133300HR K/TP RATIO = .806046 SHAPE CONSTANT, N = 4.440701
UNIT PEAK = 2.8198 CFS UNIT VOLUME = .9960 B = 383.55 P60 = 2.0100
AREA = .000980 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=3 CODE=20

HYDROGRAPH FROM AREA OFF-SITE.OS-2

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.667	.0	1.333	.2	2.000	.3	2.666	.0

RUNOFF VOLUME = 1.14765 INCHES = .0612 ACRE-FEET
PEAK DISCHARGE RATE = 2.05 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

* OFF-SITE BASIN OS-3 - 0.13 AC
COMPUTE NM HYD ID=4 HYD NO=OFF-SITE.OS-3 DA=0.0002 SQ MI
PER A=0 PER B=0 PER C=93 PER D=7
TP=0.1333 HR MASS RAIN=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .55273E-01CFS UNIT VOLUME = .8874 B = 526.28 P60 = 2.0100
AREA = .000014 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .107446HR TP = .133300HR K/TP RATIO = .806046 SHAPE CONSTANT, N = 4.440701
UNIT PEAK = .53518 CFS UNIT VOLUME = .9771 B = 383.55 P60 = 2.0100
AREA = .000186 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=4 CODE=20

HYDROGRAPH FROM AREA OFF-SITE.OS-3

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.667	.0	1.333	.0	2.000	.1	2.666	.0

RUNOFF VOLUME = 1.19703 INCHES = .0128 ACRE-FEET
PEAK DISCHARGE RATE = .43 CFS AT 1.500 HOURS BASIN AREA = .0002 SQ. MI.

```
************************************************************
* DEVELOPED SITE
************************************************************
* ON-SITE BASIN 1 - 0.50 AC
COMPUTE NM HYD       ID=5  HYD NO=ON-SITE.1  DA=0.00078 SQ MI
                     PER A=0 PER B=0  PER C=2  PER D=98
                     TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   3.0179    CFS   UNIT VOLUME =    .9955       B =   526.28      P60 = 2.0100
     AREA =      .000764 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   .44886E-01CFS   UNIT VOLUME =    .8782       B =   383.55      P60 = 2.0100
     AREA =      .000016 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD            ID=5  CODE=20

                                HYDROGRAPH FROM AREA ON-SITE.1

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000       .0          1.333       .7          2.666       .0          4.000       .0          5.333       .0
      .667       .0          2.000       .6          3.333       .0          4.666       .0          5.999       .0

     RUNOFF VOLUME =     2.09562 INCHES     =        .0872 ACRE-FEET
     PEAK DISCHARGE RATE =       2.34 CFS  AT   1.500 HOURS   BASIN AREA =   .0008 SQ. MI.


* ON-SITE BASIN 2 - 1.24 AC
COMPUTE NM HYD       ID=6  HYD NO=ON-SITE.2  DA=0.00193 SQ MI
                     PER A=0 PER B=0  PER C=99  PER D=1
                     TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   .76197E-01CFS   UNIT VOLUME =    .8874       B =   526.28      P60 = 2.0100
     AREA =      .000019 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   5.4977    CFS   UNIT VOLUME =    .9980       B =   383.55      P60 = 2.0100
     AREA =      .001911 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD            ID=6  CODE=20
```

HYDROGRAPH FROM AREA ON-SITE.2

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.333	.3	2.666	.0				
.667	.0	2.000	.6	3.333	.0				

RUNOFF VOLUME = 1.13778 INCHES = .1171 ACRE-FEET
PEAK DISCHARGE RATE = 3.92 CFS AT 1.500 HOURS BASIN AREA = .0019 SQ. MI.

```
* ON-SITE BASIN 3 - 0.18 AC
COMPUTE NM HYD      ID=6  HYD NO=ON-SITE.2  DA=0.00028 SQ MI
                    PER A=0 PER B=0  PER C=100  PER D=0
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .107446HR    TP =  .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   .80565    CFS   UNIT VOLUME =    .9850       B =   383.55      P60 = 2.0100
     AREA =      .000280 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=6  CODE=20
```

HYDROGRAPH FROM AREA ON-SITE.2

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.667	.0	1.333	.0	2.000	.1	2.666	.0

RUNOFF VOLUME = 1.12790 INCHES = .0168 ACRE-FEET
PEAK DISCHARGE RATE = .57 CFS AT 1.500 HOURS BASIN AREA = .0003 SQ. MI.

```
* DEVELOPED SITE - 1.92 ACRES
COMPUTE NM HYD      ID=7  HYD NO=EX.SITE DA=0.003 SQ MI
                    PER A=0 PER B=0  PER C=74 PER D=26
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   3.0795    CFS   UNIT VOLUME =    .9955       B =   526.28      P60 = 2.0100
     AREA =      .000780 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   6.3876    CFS   UNIT VOLUME =    .9985       B =   383.55      P60 = 2.0100
     AREA =      .002220 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=7  CODE=20
```

HYDROGRAPH FROM AREA EX.SITE

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.333	1.1	2.666	.1	4.000	.0	5.333	.0
.667	.0	2.000	1.2	3.333	.0	4.666	.0	5.999	.0

RUNOFF VOLUME = 1.38464 INCHES = .2215 ACRE-FEET
PEAK DISCHARGE RATE = 6.83 CFS AT 1.500 HOURS BASIN AREA = .0030 SQ. MI.

```
************************************************************
* OFF-SITE BASINS IN DEVELOPED CONDITIONS
************************************************************
* OFF-SITE BASIN OS-1 - 0.63 ACRES
COMPUTE NM HYD      ID=8  HYD NO=OFF-SITE.OS-1  DA=0.00098 SQ MI
                    PER A=0 PER B=0  PER C=19  PER D=81
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   3.1340    CFS   UNIT VOLUME =    .9955       B =   526.28      P60 = 2.0100
     AREA =      .000794 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   .53576    CFS   UNIT VOLUME =    .9771       B =   383.55      P60 = 2.0100
     AREA =      .000186 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=8  CODE=20
```

HYDROGRAPH FROM AREA OFF-SITE.OS-1

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.333	.8	2.666	.0	4.000	.0	5.333	.0
.667	.0	2.000	.7	3.333	.0	4.666	.0	5.999	.0

RUNOFF VOLUME = 1.92775 INCHES = .1008 ACRE-FEET
PEAK DISCHARGE RATE = 2.78 CFS AT 1.500 HOURS BASIN AREA = .0010 SQ. MI.

```
* OFF-SITE BASIN OS-2 - 0.63 AC
COMPUTE NM HYD      ID=9  HYD NO=OFF-SITE.OS-2  DA=0.00098 SQ MI
                    PER A=0 PER B=0  PER C=98  PER D=2
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
```

```
     UNIT PEAK =   .77382E-01CFS   UNIT VOLUME =    .8874       B =   526.28      P60 = 2.0100
     AREA =      .000020 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   2.7634    CFS   UNIT VOLUME =    .9960       B =   383.55      P60 = 2.0100
     AREA =      .000960 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=9  CODE=20

                                   HYDROGRAPH FROM AREA OFF-SITE.OS-2

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000       .0           .667       .0          1.333       .2          2.000       .3          2.666       .0

    RUNOFF VOLUME =     1.14765 INCHES     =        .0600 ACRE-FEET
    PEAK DISCHARGE RATE =       2.01 CFS  AT   1.500 HOURS   BASIN AREA =    .0010 SQ. MI.


* OFF-SITE BASIN OS-3 - 0.14 AC
COMPUTE NM HYD      ID=10  HYD NO=OFF-SITE.OS-3  DA=0.00021 SQ MI
                    PER A=0 PER B=0  PER C=93  PER D=7
                    TP=0.1333 HR  MASS RAIN=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   .58036E-01CFS   UNIT VOLUME =    .8874       B =   526.28      P60 = 2.0100
     AREA =      .000015 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .107446HR    TP =   .133300HR    K/TP RATIO =   .806046     SHAPE CONSTANT, N =  4.440701
     UNIT PEAK =   .56194    CFS   UNIT VOLUME =    .9771       B =   383.55      P60 = 2.0100
     AREA =      .000195 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=10  CODE=20

                                   HYDROGRAPH FROM AREA OFF-SITE.OS-3

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000       .0           .667       .0          1.333       .0          2.000       .1          2.666       .0

    RUNOFF VOLUME =     1.19703 INCHES     =        .0134 ACRE-FEET
    PEAK DISCHARGE RATE =        .45 CFS  AT   1.500 HOURS   BASIN AREA =    .0002 SQ. MI.
```

```
**************************************************************
* ADD OFF-SITE BASIN OS-1 TO BASIN 2 AND ROUTE POND 1 TO 2
**************************************************************
* ADD OFF-SITE BASIN OS-1 TO ON-SITE BASIN 2
ADD HYD             ID=11  HYD NO=POND.2.IN  ID I=8 ID II=6
PRINT HYD           ID=11 CODE=20
```

HYDROGRAPH FROM AREA POND.2.IN

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.333	.8	2.666	.0	4.000	.0	5.333	.0
.667	.0	2.000	.7	3.333	.0	4.666	.0	5.999	.0

RUNOFF VOLUME = 1.74967 INCHES = .1176 ACRE-FEET
PEAK DISCHARGE RATE = 3.35 CFS AT 1.500 HOURS BASIN AREA = .0013 SQ. MI.

```
* ROUTE DETENTION POND 1 THRU 12" CMP
ROUTE RESERVOIR     ID=12  HYD NO=POND.1.OUT INFLOW ID=11  CODE=10
                    OUT (CFS)   STORAGE (AF)  ELEV (FT)
                    0.0         0.0000          40.0
                    2.2         0.0174          41.0
                    5.0         0.0218          42.0
                    6.0         0.0257          43.0
```

* * * * * * * * * * * * * * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	40.00	.000	.00
.33	.00	40.00	.000	.00
.67	.00	40.00	.000	.00
1.00	.00	40.00	.000	.00
1.33	.82	40.15	.003	.32
1.67	1.73	40.95	.017	2.10
2.00	.73	40.43	.007	.94
2.33	.15	40.12	.002	.26
2.67	.05	40.03	.001	.07
3.00	.03	40.01	.000	.03
3.33	.02	40.01	.000	.02
3.67	.02	40.01	.000	.02
4.00	.01	40.01	.000	.01
4.33	.01	40.01	.000	.01
4.67	.01	40.01	.000	.01
5.00	.01	40.01	.000	.01
5.33	.01	40.01	.000	.01
5.67	.02	40.01	.000	.02
6.00	.02	40.01	.000	.02
6.33	.00	40.00	.000	.00

```
 PEAK DISCHARGE =         3.054 CFS - PEAK OCCURS AT HOUR    1.53
 MAXIMUM WATER SURFACE ELEVATION =       41.305
 MAXIMUM STORAGE =          .0187 AC-FT      INCREMENTAL TIME=     .033330HRS

PRINT HYD           ID=12 CODE=20

                                    HYDROGRAPH FROM AREA POND.1.OUT

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000        .0         1.333        .3         2.666        .1         4.000        .0         5.333        .0
      .667        .0         2.000        .9         3.333        .0         4.666        .0         5.999        .0

    RUNOFF VOLUME =     1.74966 INCHES     =        .1176 ACRE-FEET
    PEAK DISCHARGE RATE =       3.05 CFS  AT   1.533 HOURS   BASIN AREA =    .0013 SQ. MI.


**********************************************************
* ADD POND 1 OUTFLOW TO BASIN 3 AND ROUTE POND 2 TO X-DI
**********************************************************
* ADD POND 1 OUTFLOW TO ON-SITE BASIN 3
ADD HYD             ID=13  HYD NO=POND.1.IN  ID I=6 ID II=12
PRINT HYD           ID=13 CODE=20

                                    HYDROGRAPH FROM AREA POND.1.IN

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000        .0         1.333        .4         2.666        .1         4.000        .0         5.333        .0
      .667        .0         2.000       1.0         3.333        .0         4.666        .0         5.999        .0

    RUNOFF VOLUME =     1.63642 INCHES     =        .1344 ACRE-FEET
    PEAK DISCHARGE RATE =       3.61 CFS  AT   1.533 HOURS   BASIN AREA =    .0015 SQ. MI.


* ROUTE DETENTION POND 2 THRU 12" CMP
ROUTE RESERVOIR     ID=14  HYD NO=POND.2.OUT INFLOW ID=13  CODE=10
                    OUT (CFS)   STORAGE (AF)  ELEV (FT)
                    0.0         0.0000          39.0
                    2.2         0.0317          40.0
                    5.0         0.0365          41.0
```

* * * * * * * * * * * * * * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	39.00	.000	.00
.33	.00	39.00	.000	.00
.67	.00	39.00	.000	.00
1.00	.00	39.00	.000	.00
1.33	.37	39.04	.001	.08
1.67	2.41	40.05	.032	2.33
2.00	1.02	39.69	.022	1.52
2.33	.29	39.30	.009	.66
2.67	.07	39.09	.003	.20
3.00	.03	39.03	.001	.07
3.33	.02	39.01	.000	.03
3.67	.02	39.01	.000	.02
4.00	.01	39.01	.000	.02
4.33	.01	39.01	.000	.01
4.67	.01	39.01	.000	.01
5.00	.01	39.01	.000	.01
5.33	.01	39.01	.000	.01
5.67	.02	39.01	.000	.01
6.00	.02	39.01	.000	.02
6.33	.00	39.00	.000	.01
6.67	.00	39.00	.000	.00

PEAK DISCHARGE = 2.333 CFS - PEAK OCCURS AT HOUR 1.67
MAXIMUM WATER SURFACE ELEVATION = 40.047
MAXIMUM STORAGE = .0319 AC-FT INCREMENTAL TIME= .033330HRS

PRINT HYD ID=14 CODE=20

HYDROGRAPH FROM AREA POND.2.OUT

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	2.000	1.5	4.000	.0	5.999	.0		
.667	.0	2.666	.2	4.666	.0	6.666	.0		
1.333	.1	3.333	.0	5.333	.0				

RUNOFF VOLUME = 1.63642 INCHES = .1344 ACRE-FEET
PEAK DISCHARGE RATE = 2.33 CFS AT 1.667 HOURS BASIN AREA = .0015 SQ. MI.

CITY OF ALBUQUERQUE

June 17, 2008

Dennis A. Lorenz, P.E.
Brasher & Lorenz, Inc.
2201 San Pedro NE
Albuquerque, NM 87110

Re: Aguamatic Landscaping, 3024 Broadway SE, Grading and Drainage Plan
Engineer's Stamp dated 6-16-08 (M14/D033)

Dear Mr. Lorenz,

Based upon the information provided in your submittal received 6-17-08, the above referenced plan is approved for Building Permit and SO 19 Permit.

A separate permit is required for construction within City ROW. A copy of this approval letter must be on hand when applying for the excavation/barricading permit.

To obtain a temporary or permanent CO, Engineer Certification of the Grading Plan per the DPM is required and the storm drain work in the City ROW must be inspected and accepted. Please contact Duane Schmitz, 235-8016, to schedule an inspection.

This is the plan to certify for release of Certificate of Occupancy.

In the future please provide two copies of the plan when submitting for SO 19 permit. One copy goes to the inspector.

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

Sincerely,

Curtis A. Cherne, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file
Antoinette Baldonado, Excavation and Barricading
Duane Schmitz, Street/Storm Drain Maintenance

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: AGUA-MATIC ZONE MAP/DRG. FILE # M-14 - D033
DRB#: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: TRACT 'N' SCHARTZMAN IND. PARK
CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ
ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088
CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN
ADDRESS: 3024 BROADWAY SE — PHONE: —
CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME
ADDRESS: 5921 LOMAS NE — PHONE: 2555040
CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS
ADDRESS: 2410 D MONROE NE — PHONE: 884-8056
CITY, STATE: ALBQ NM — ZIP CODE: 87110

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

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

CHECK TYPE OF APPROVAL SOUGHT:
- ___ SIA/FINANCIAL GUARANTEE RELEASE
- ___ PRELIMINARY PLAT APPROVAL
- ___ S. DEV. PLAN FOR SUB'D APPROVAL
- ___ S. DEV. FOR BLDG. PERMIT APPROVAL
- ___ SECTOR PLAN APPROVAL
- ___ FINAL PLAT APPROVAL
- ___ FOUNDATION PERMIT APPROVAL
- X BUILDING PERMIT APPROVAL
- ___ CERTIFICATE OF OCCUPANCY (PERM)
- ___ CERTIFICATE OF OCCUPANCY (TEMP)
- ___ GRADING PERMIT APPROVAL
- ___ PAVING PERMIT APPROVAL
- ___ WORK ORDER APPROVAL
- X OTHER (SPECIFY) 50-19

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

SUBMITTED BY: DENNIS LORENZ DATE: 6.16.08

RECEIVED
JUN 17 2008
HYDROLOGY SECTION

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

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

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

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

CITY OF ALBUQUERQUE

Planning Department
Transportation Development Services Section

September 16, 2008

Dennis A. Lorenz, P.E.,
2201 San Pedro NE
Albuquerque, NM 87110

Re: Certification Submittal for Final Building Certificate of Occupancy for
Agua Matic Office Warehouse, [M-14 / D033]
3024 Broadway SE
Engineer's Stamp Dated 09/15/08

Dear Mr. Lorenz:

The TCL / Letter of Certification submitted on September 15, 2008 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Sincerely,

Nilo E. Salgado-Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
Planning Department

c: Engineer
Hydrology file
CO Clerk

PO Box 1293

Albuquerque

NM 87103-

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: AGUA-MATIC ZONE MAP/DRG. FILE #: M-14 · D033
DRB#: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: TRACT 'N' SCHARTZMAN IND. PARK
CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ
ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088
CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN
ADDRESS: 3024 BROADWAY SE — PHONE: —
CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME
ADDRESS: 5921 LOMAS NE — PHONE: 2555040
CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS
ADDRESS: 2410 D MONROE NE — PHONE: 889-8056
CITY, STATE: ALBQ NM — ZIP CODE: 87110

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

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

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

RECEIVED
SEP 15 2008
HYDROLOGY SECTION

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

SUBMITTED BY: DENNIS LORENZ DATE: 9-15-08

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

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

CITY OF ALBUQUERQUE

September 15, 2008

Dennis A. Lorenz, P.E.
Brasher & Lorenz Consulting Engineers
2201 San Pedro NE Bldg 1 Ste. 1300
Albuquerque, NM 87110

Re: Aguamatic Landscaping Office & Warehouse, 3024 Broadway Blvd SE, (M-14/D032), Approval of Permanent Certificate of Occupancy, Engineer's Stamp Date 12/18/2007, & 6-6-08
Certification dates: 7-29-2008

Mr. Lorenz:

Based upon the information provided in your submittal received 9/15/08, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

Timothy Sims
Plan Checker-Hydrology, Planning Dept
Development and Building Services

C: CO Clerk—Katrina Sigala
file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

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DRB#: — EPC#: — WORK ORDER#: —

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CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ
ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088
CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN
ADDRESS: 3024 BROADWAY SE — PHONE: —
CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME
ADDRESS: 5921 LOMAS NE — PHONE: 2555040
CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS
ADDRESS: 2410 D MONROE NE — PHONE: 889-8056
CITY, STATE: ALBQ NM — ZIP CODE: 87110

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

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

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

RECEIVED
SEP 15 2008
HYDROLOGY SECTION

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

SUBMITTED BY: DENNIS LORENZ DATE: 9-15-08

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

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

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

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

CITY OF ALBUQUERQUE

July 29, 2008

Dennis A. Lorenz, P.E.
Brasher & Lorenz Consulting Engineers
2201 San Pedro NE Bldg 1 Ste. 1300
Albuquerque, NM 87110

Re: Aguamatic Landscaping Office & Warehouse, 3024 Broadway Blvd. SE, (M-14/D033)
Approval of 90-Day Temporary Certificate of Occupancy (C.O.),
Engineer's Stamp Date 6/16/08
Certification dated 7/29/08

Mr. Lorenz,

Based upon the information provided in your submittal received 7/29/08, the above referenced certification is approved for release of 90-day Temporary Certificate of Occupancy by Hydrology.

Upon final Engineer Certification of project site, please resubmit an updated Certification for Permanent C.O.

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

Sincerely,

Timothy E. Sims
Plan Checker-Hydrology, Planning Dept
Development and Building Services

C: CO Clerk -- Katrina Sigala
file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: AGUA-MATIC — ZONE MAP/DRG. FILE #: M-14 · D033
DRB#: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: TRACT 'N' SCHARTZMAN IND. PARK
CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ
ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088
CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN
ADDRESS: 3024 BROADWAY SE — PHONE: —
CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME
ADDRESS: 5921 LOMAS NE — PHONE: 2555040
CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS
ADDRESS: 2410 D MONROE NE — PHONE: 889-8056
CITY, STATE: ALBQ NM — ZIP CODE: 87110

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

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

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

RECEIVED
JUL 29 2008
HYDROLOGY SECTION

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

SUBMITTED BY: DENNIS LORENZ — DATE: 7.29.08

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

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

CITY OF ALBUQUERQUE

Planning Department
Transportation Development Services Section

July 30, 2008

Dennis Lorenz, P.E.,
Brasher & Lorenz
2201 San Pedro NE
Albuquerque, NM 87110

Re: Approval of Temporary Certificate of Occupancy (C.O.) for
Agua Matic Office Warehouse, [M-14 / D033]
3024 Broadway SE
Engineer's Stamp Dated 07/29/08

Dear Mr. Lorenz:

Based on the information provided on your submittal dated July 29, 2008, the above referenced project is approved for a 90-day Temporary C.O.

A Temporary C.O. has been issued allowing the H.C ramp (explain why ADA access is not being provided) and Driveway (redline all changes to driveway returns) issues to be completed within this time period. When these remaining issues have been fully completed, are in substantial compliance, and a final Certification for Transportation has been resubmitted to the City's Hydrology office for approval, a Permanent C.O. will be issued.

The Certification package for Final C.O. must include an ***exact*** copy of the approved TCL, or signed off D.R.B. Site Plan, which is in each of the two City Permit Plan Sets—the contractor's City field set and the City's plan set in the basement of the Plaza Del Sol building. Package also must include a letter of certification on designer's letterhead-stamped with his seal, signed, and dated. Submit package along with fully completed Drainage Information Sheet to front counter personnel for log in and evaluation by Transportation.

If you have any questions, please call me at 924-3630.

Sincerely,

Nilo E. Salgado Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
Planning Department

c: Engineer
Hydrology file
CO Clerk

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 06/22/2005)

PROJECT TITLE: AGUA-MATIC — ZONE MAP/DRG. FILE #: M-14 · D033
DRB#: — EPC#: — WORK ORDER#: —

LEGAL DESCRIPTION: TRACT 'N' SCHARTZMAN IND. PARK
CITY ADDRESS: 3024 BROADWAY SE

ENGINEERING FIRM: BRASHER + LORENZ — CONTACT: D. LORENZ
ADDRESS: 2201 SAN PEDRO NE — PHONE: 888-6088
CITY, STATE: ALBQ, NM — ZIP CODE: 87110

OWNER: AGUA MATIC — CONTACT: UNKNOWN
ADDRESS: 3024 BROADWAY SE — PHONE: —
CITY, STATE: ALBQ NM — ZIP CODE: 87102

ARCHITECT: GEO. SANDERS — CONTACT: SAME
ADDRESS: 5921 LOMAS NE — PHONE: 2555040
CITY, STATE: ALBQ NM — ZIP CODE: 87110

SURVEYOR: HARRIS SURVEYING — CONTACT: A. HARRIS
ADDRESS: 2410 D MONROE NE — PHONE: 889-8056
CITY, STATE: ALBQ NM — ZIP CODE: 87110

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

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

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

RECEIVED
JUL 29 2008
HYDROLOGY SECTION

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

SUBMITTED BY: DENNIS LORENZ — DATE: 7.29.08

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

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CITY OF ALBUQUERQUE

March 5, 2008

George L. Sanders, R.A.
Sanders & Associates Architects, P.C.
5921 Lomas Blvd.
Albuquerque, NM 87110

Re: Aguamatic Landscaping, 3024 Broadway Blvd. SE, (M-14/D033), Traffic Circulation Layout
Architect's Stamp dated 2-27-08

Dear Mr. Sanders,

The TCL submittal received 2-27-08 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C O for Transportation. **Public infrastructure or work done within City Right-of-Way shown on these plans is for information only and is not part of approval. A separate DRC and/or other appropriate permits are required to construct these items.**

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3306.

Sincerely,

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

C: File

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

O.K. APP'VD.

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

M-14/D033

PROJECT TITLE: AQUAMATIC LANDSCAPING LLC ZONE MAP: M-14Z
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: TRACT N SCHWARTZMAN INDUSTRIAL PARK
CITY ADDRESS: 3024 BROADWAY BLVD S.E. ALBUQ., N. MEX

ENGINEERING FIRM: BRASHER & LORENZ CONTACT: _____
ADDRESS: 2201 SAN PEDRO N.E. BLDG. 1 Suite 1300 PHONE: 888-6088
CITY, STATE: ALBUQ. N. MEX. ZIP CODE: 87110

OWNER: VMD LLC CONTACT: VICTOR
ADDRESS: 418 MONTE LARGO N.E. PHONE: 220-1010
CITY, STATE: ALBUQ. N. MEX. ZIP CODE: 87123

ARCHITECT: SANDERS & ASSOC. ARCHITECTS, P.C. CONTACT: GEORGE
ADDRESS: 5921 LOMAS BLVD ALP PHONE: 255-5040
CITY, STATE: ALBUQ. N. MEX ZIP CODE: 87110

SURVEYOR: CARTESIAN SURVEYS INC CONTACT: DAVID
ADDRESS: P.O. BOX 44414 PHONE: 891-0244
CITY, STATE: RIO RANCHO, N. MEX ZIP CODE: 87174

CONTRACTOR: AQUAMATIC LANDSCAPING CONTACT: VICTOR
ADDRESS: 510 WISCONSIN N.E. PHONE: 220-1010
CITY, STATE: ALBUQ. N. MEX. ZIP CODE: 87108

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

_X_ YES
_____ NO
_____ COPY PROVIDED

<RESUB>

RECEIVED
FEB 27 2008
HYDROLOGY SECTION

DATE RESUBMITTED: 27 FEB. 08 BY: FRED ARAGON 450-5800

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

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CITY OF ALBUQUERQUE

2/6/08 – Solid Waste approved

February 19, 2008

George Sanders, R.A.
Sanders & Associates Architects
5921 Lomas Blvd. NE, Suite B
Albuquerque, NM 87110

Re: Aguamatic Landscaping Office/Warehouse, 3024 Broadway Blvd. SE, Traffic Circulation Layout

Architect's Stamp dated 2-07-08 (M-14/D033)

Mr. Sanders,

Based upon the information provided in your submittal received 2-08-08, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

1. Provide a copy of the plat for this property; your site layout does not match the lot lines shown in our system.
2. A public roadway easement is referenced along Woodward Road. You cannot fence in a public roadway easement.
3. Is there a median break at this site? - No
4. Remove all hydrology information from the TCL plan.
5. List radii for all curves shown.
6. Show the heavy vehicle path. A larger radius value at the entrance may be required.
7. For passenger vehicles, the minimum end island radius is 15 feet.
8. A five-foot keyway is required for deadend parking aisles.
9. Please show a vicinity map on the plan.
10. To accommodate ADA standards, all driveways must have a 3-foot wide pedestrian access path. This path must have a cross slope of no greater than 2%.
11. ~~Place the proposed sidewalk at the property line, not the back of curb.~~
12. To place a gate at a drivepad, there must be adequate room for a vehicle to turn around within the drivepad. An exhibit demonstrating this must be provided.
13. Please include two copies of the traffic circulation layout at the next submittal.
14. List the width of the proposed turnouts.
15. ~~Please refer to all applicable city standards.~~
16. Provide a copy of Solid Waste approval.

CITY OF ALBUQUERQUE

17. A scale must be shown on the plan. Per the Development Process Manual, Chapter 27, Section 2, Part B.1, only the following scales may be used:

- 1" = 50'
- 1" = 40'
- 1" = 20'
- 1" = 10'
- 1" = 100' (for overall layouts only)

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

Sincerely,

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

C: File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov


M14