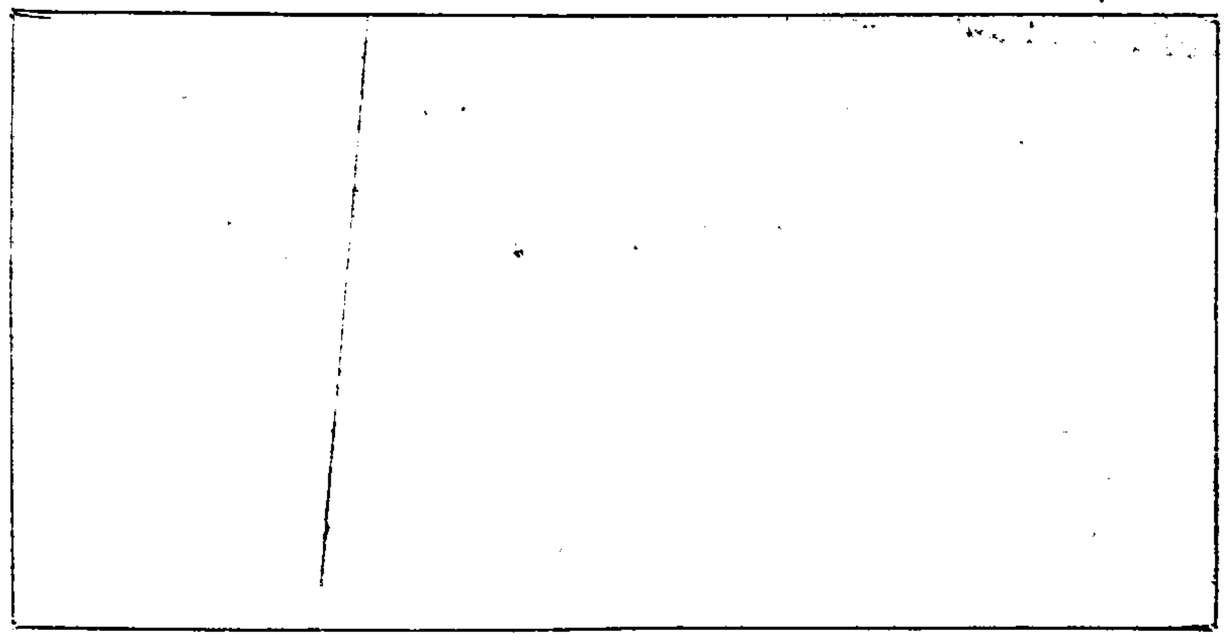


RECEIVED
OCT 30 1997
HYDROLOGY SECTION

MARK GOODWIN & ASSOCIATES
CONSULTING ENGINEERS

DRAINAGE CALCULATIONS

for

TEXACO EXPRESS LUBE

FOUR HILLS CENTER

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

PROJECT TEXACO EXPRESS LUBE
SUBJECT DRAINAGE CALCS
BY GJK DATE 10-28-97
CHECKED _____ DATE _____
SHEET 1 OF ____

REFER TO DRAINAGE CALCULATION FOR FOUR HILLS CENTER PREPARED BY MARK GOODWIN & ASSOCIATES 1-18-96 (APPENDIX "A")

- THIS SITE IS PHASE II OF THE FOUR HILLS CENTER
- DIRECT DISCHARGE IS ALLOWED.
- THE SCOPE OF PHASE II DIFFERS FROM THE ORIGINAL REPORT IN THAT AN EXPRESS LUBE IS GOING ON THE PARCEL INSTEAD OF A PARKING LOT AND THE SIZE OF THE PARCEL HAS BEEN REDUCED.
- THIS PROJECT IS GOING TO EPC FOR SITE PLAN AND THE PROPERTY / PARCEL PLATTED.

TOTAL SITE = 0.3719 AC

TYPE "D" = 0.2906 AC = 78.14 %

TYPE "B" = 3540.65 ☐ = 0.0813 AC = 21.86 %

P_1 = 2.10 in
P_6 = 2.63 in
P_{24} = 3.30 in

FROM AHYMO OUTPUT SHEETS 2-4

Q_{100} = 1.66 CFS

V_{100} = 0.0638 AC-FT

> less than to 4 Hills REPORT

- NO OFFSITE FLOWS ENTER THE SITE
- THERE SHOULD BE ON THE PLAT & SITE PLAN WORDING ABOUT CROSS LOT DRAINAGE FOR THE BENEFIT OF ALL LOTS.

```
START                   TIME=0.0
***** HYDROGRAPH FOR TEXACO EXPRESS LUBE
RAINFALL                TYPE=1 RAIN QUARTER=0.0 IN
                        RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                        RAIN DAY=3.30 IN DT=0.03333 HR
COMPUTE NM HYD          ID=1 HYD NO=101.1 AREA=0.000581 SQ MI
                        PER A=0 B=21.86 C=0.0 D=78.14
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
FINISH
```

```
    AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
         RUN DATE (MON/DAY/YR) = 10/28/1997
         START TIME (HR:MIN:SEC) = 17:36:06      USER NO.= M_GOODWN.I01
         INPUT FILE = TEXLUBE.DAT

START  1                 TIME=0.0
***** HYDROGRAPH FOR TEXACO EXPRESS LUBE
RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                         RAIN DAY=3.30 IN DT=0.03333 HR

                  COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 H
                  DT =     .033330 HOURS        END TIME =     5.999400 HOURS
                   .0000    .0037    .0074    .0112    .0151    .0191    .0232
                   .0273    .0316    .0360    .0404    .0450    .0497    .0546
                   .0595    .0646    .0699    .0753    .0809    .0867    .0926
                   .0988    .1052    .1119    .1188    .1260    .1336    .1415
                   .1498    .1585    .1677    .1736    .1798    .1864    .2006
                   .2325    .2815    .3519    .4481    .5744    .7356    .9362
                  1.1810   1.4082   1.5032   1.5833   1.6546   1.7194   1.7791
                  1.8345   1.8863   1.9348   1.9805   2.0236   2.0643   2.1028
                  2.1393   2.1740   2.2068   2.2380   2.2676   2.2753   2.2825
                  2.2894   2.2960   2.3023   2.3085   2.3144   2.3201   2.3256
                  2.3310   2.3363   2.3414   2.3463   2.3512   2.3559   2.3605
                  2.3650   2.3695   2.3738   2.3780   2.3822   2.3863   2.3903
                  2.3942   2.3981   2.4019   2.4057   2.4094   2.4130   2.4166
                  2.4201   2.4236   2.4270   2.4304   2.4337   2.4370   2.4402
                  2.4434   2.4466   2.4497   2.4528   2.4558   2.4589   2.4618
                  2.4648   2.4677   2.4706   2.4735   2.4763   2.4791   2.4819
                  2.4846   2.4873   2.4900   2.4927   2.4953   2.4979   2.5005
                  2.5031   2.5056   2.5082   2.5107   2.5131   2.5156   2.5180
                  2.5205   2.5229   2.5253   2.5276   2.5300   2.5323   2.5346
                  2.5369   2.5392   2.5414   2.5437   2.5459   2.5481   2.5503
                  2.5525   2.5547   2.5568   2.5590   2.5611   2.5632   2.5653
                  2.5674   2.5695   2.5715   2.5736   2.5756   2.5777   2.5797
                  2.5817   2.5836   2.5856   2.5876   2.5895   2.5915   2.5934
                  2.5953   2.5972   2.5991   2.6010   2.6029   2.6048   2.6066
                  2.6085   2.6103   2.6122   2.6140   2.6158   2.6176   2.6194
                  2.6212   2.6229   2.6247   2.6265   2.6282   2.6300

COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.000581 SQ MI
                         PER A=0 B=21.86 C=0.0 D=78.14
                         TP=0.1333 HR MASS RAINFALL=-1

    K =    .072649HR     TP =    .133300HR     K/TP RATIO =    .545000     SHAPE CONSTANT, N =
    UNIT PEAK =    1.7924     CFS    UNIT VOLUME =     .9933        B =    526.28       P60 = 2.10
    AREA =         .000454 SQ MI     IA =     .10000 INCHES     INF =     .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330


    K =    .133173HR     TP =    .133300HR     K/TP RATIO =    .999050     SHAPE CONSTANT, N =
    UNIT PEAK =    .30754     CFS    UNIT VOLUME =     .9562        B =    322.78       P60 = 2.10
    AREA =         .000127 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 = 2.05909 INCHES = .0638 ACRE-FEET
PEAK DISCHARGE RATE = 1.66 CFS AT 1.500 HOURS BASIN AREA = .0006 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 17:36:12

APPENDIX A

DRAINAGE CALCULATIONS
for
FOUR HILLS CENTER

October 1995

GREGORY JAMES KRENIK
11929
REGISTERED PROFESSIONAL ENGINEER
10-17-95
1-18-96

D. MARK GOODWIN & ASSOCIATES

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

PROJECT Burger King / TEX-Hills Cafe
SUBJECT Drainage Calcs
BY GSK DATE 1-18-96
CHECKED _____ DATE _____
SHEET 1 OF ____

THIS SITE WILL BE DEVELOPED IN 3 PHASES.

PH I will be a Burger King / TEXACO STATION.

PH II will be an additional entrance with future parking planned.

PH III will remain undeveloped at this time BUT the future use will be for commercial use. Probably approx. 5 users, with additional parking.

AT this time drainage will flow through 3 CURB OPENINGS AND flow overland into the EXISTING CHANNEL.

TOTAL SITE = 5.7727 AC.

PH I = 1.6887 AC.
TYPE D = 1.4092 AC = 83.45%
TYPE B = 0.2795 AC = 16.55%

PH II = 0.5012 AC
TYPE D = 0.4354 = 86.87%
TYPE B = 0.0658 = 13.13%
(BASED ON BLD OUT)

PH III = 3.5828 AC
TYPE A = 1.5580 AC = 43.49%
TYPE B = 0.7071 AC = 19.74%
TYPE C = 1.3177 AC = 36.77%

P_1 = 2.10 in
P_6 = 2.63 in
P_{24} = 3.30 in
ΔT = 0.03333 HR
T_P = 0.1333 HR

SAME →

FROM HYMO SHEETS 2-4
Q = 7.69 CFS
V = 0.3007 AC-FT

FROM HYMO SHEETS 5-7
Q = 2.34 CFS
V = 0.0913 AC-FT

FROM HYMO SHEETS 8-10
Q = 9.11 CFS
V = 0.2673 AC-FT

- THERE ARE NO OFFSITE FLOWS WHICH ENTER THE SITE.
- THE 100 yr FLOOD IS CONTAINED IN THE ADJACENT CHANNEL TO THE EAST OF THE PROPERTY. THIS PROPERTY IS NOT IN A FLOOD ZONE BECAUSE OF THIS.

/

```
START                    TIME=0.0
**** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE I
A NFALL                  TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                         RAIN DAY=3.30 IN DT=0.03333 HR
COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.002639 SQ MI
                         PER A=0 B=16.55 C=0.0 D=83.45
                         TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD                 ID=1 CODE=1
FINISH
```

AHYMO PROGRAM (AHYM0194) - AMAFCA Hydrologic Model - January, 1994

RUN DATE (MON/DAY/YR) = 01/18/1996

START TIME (HR:MIN:SEC) = 15:23:06 USER NO.= M_GOODWN.I01

INPUT FILE = 4HILLI.DAT

START TIME=0.0

***** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE I

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.10 IN RAIN SIX=2.63 IN

RAIN DAY=3.30 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2

PEAK AT 1.40 HR.

DT = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0037	.0074	.0112	.0151	.0191	.0232
.0273	.0316	.0360	.0404	.0450	.0497	.0546
.0595	.0646	.0699	.0753	.0809	.0867	.0926
.0988	.1052	.1119	.1188	.1260	.1336	.1415
.1498	.1585	.1677	.1736	.1798	.1864	.2006
.2325	.2815	.3519	.4481	.5744	.7356	.9362
1.1810	1.4082	1.5032	1.5833	1.6546	1.7194	1.7791
1.8345	1.8863	1.9348	1.9805	2.0236	2.0643	2.1028
2.1393	2.1740	2.2068	2.2380	2.2676	2.2753	2.2825
2.2894	2.2960	2.3023	2.3085	2.3144	2.3201	2.3256
2.3310	2.3363	2.3414	2.3463	2.3512	2.3559	2.3605
2.3650	2.3695	2.3738	2.3780	2.3822	2.3863	2.3903
2.3942	2.3981	2.4019	2.4057	2.4094	2.4130	2.4166
2.4201	2.4236	2.4270	2.4304	2.4337	2.4370	2.4402
2.4434	2.4466	2.4497	2.4528	2.4558	2.4589	2.4618
2.4648	2.4677	2.4706	2.4735	2.4763	2.4791	2.4819
2.4846	2.4873	2.4900	2.4927	2.4953	2.4979	2.5005
2.5031	2.5056	2.5082	2.5107	2.5131	2.5156	2.5180
2.5205	2.5229	2.5253	2.5276	2.5300	2.5323	2.5346
2.5369	2.5392	2.5414	2.5437	2.5459	2.5481	2.5503
2.5525	2.5547	2.5568	2.5590	2.5611	2.5632	2.5653
2.5674	2.5695	2.5715	2.5736	2.5756	2.5777	2.5797
2.5817	2.5836	2.5856	2.5876	2.5895	2.5915	2.5934
2.5953	2.5972	2.5991	2.6010	2.6029	2.6048	2.6066
2.6085	2.6103	2.6122	2.6140	2.6158	2.6176	2.6194
2.6212	2.6229	2.6247	2.6265	2.6282	2.6300	

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.002639 SQ MI

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 8.6946 CFS UNIT VOLUME = .9981 B = 526.28
P60 = 2.1000
AREA = .002202 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT .033330

K = .133173HR TP = .133300HR K/TP RATIO = .999050 SHAPE CONSTANT, N = 3.533693
UNIT PEAK = 1.0576 CFS UNIT VOLUME = .9877 B = 322.78
P60 = 2.1000
AREA = .000437 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 = 2.13678 INCHES = .3007 ACRE-FEET
PEAK DISCHARGE RATE = 7.69 CFS AT 1.500 HOURS BASIN AREA = .0026 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 15:23:13

```
TART                    TIME=0.0
**** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE II
AINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                        RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                        RAIN DAY=3.30 IN DT=0.03333 HR
OMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.000783 SQ MI
                        PER A=0 B=13.13 C=0.0 D=86.87
                        TP=0.1333 HR MASS RAINFALL=-1
RINT HYD                 ID=1 CODE=1
INISH
```

```
AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
          RUN DATE (MON/DAY/YR) = 01/18/1996
          START TIME (HR:MIN:SEC) = 15:34:28      USER NO.= M_GOODWN.I01
          INPUT FILE = 4HILLII.DAT

START                    TIME=0.0

***** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE II

RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN

                         RAIN ONE=2.10 IN RAIN SIX=2.63 IN

                         RAIN DAY=3.30 IN DT=0.03333 HR

                    COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2
PEAK AT 1.40 HR.
                    DT =     .033330 HOURS          END TIME =     5.999400 HOURS
                       .0000    .0037    .0074    .0112    .0151    .0191    .0232
                       .0273    .0316    .0360    .0404    .0450    .0497    .0546
                       .0595    .0646    .0699    .0753    .0809    .0867    .0926
                       .0988    .1052    .1119    .1188    .1260    .1336    .1415
                       .1498    .1585    .1677    .1736    .1798    .1864    .2006
                       .2325    .2815    .3519    .4481    .5744    .7356    .9362
                      1.1810   1.4082   1.5032   1.5833   1.6546   1.7194   1.7791
                      1.8345   1.8863   1.9348   1.9805   2.0236   2.0643   2.1028
                      2.1393   2.1740   2.2068   2.2380   2.2676   2.2753   2.2825
                      2.2894   2.2960   2.3023   2.3085   2.3144   2.3201   2.3256
                      2.3310   2.3363   2.3414   2.3463   2.3512   2.3559   2.3605
                      2.3650   2.3695   2.3738   2.3780   2.3822   2.3863   2.3903
                      2.3942   2.3981   2.4019   2.4057   2.4094   2.4130   2.4166
                      2.4201   2.4236   2.4270   2.4304   2.4337   2.4370   2.4402
                      2.4434   2.4466   2.4497   2.4528   2.4558   2.4589   2.4618
                      2.4648   2.4677   2.4706   2.4735   2.4763   2.4791   2.4819
                      2.4846   2.4873   2.4900   2.4927   2.4953   2.4979   2.5005
                      2.5031   2.5056   2.5082   2.5107   2.5131   2.5156   2.5180
                      2.5205   2.5229   2.5253   2.5276   2.5300   2.5323   2.5346
                      2.5369   2.5392   2.5414   2.5437   2.5459   2.5481   2.5503
                      2.5525   2.5547   2.5568   2.5590   2.5611   2.5632   2.5653
                      2.5674   2.5695   2.5715   2.5736   2.5756   2.5777   2.5797
                      2.5817   2.5836   2.5856   2.5876   2.5895   2.5915   2.5934
                      2.5953   2.5972   2.5991   2.6010   2.6029   2.6048   2.6066
                      2.6085   2.6103   2.6122   2.6140   2.6158   2.6176   2.6194
                      2.6212   2.6229   2.6247   2.6265   2.6282   2.6300

COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.000783 SQ MI
```

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 2.6854 CFS UNIT VOLUME = .9949 B = 526.28
P60 = 2.1000
AREA = .000680 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT .033330

K = .133173HR TP = .133300HR K/TP RATIO = .999050 SHAPE CONSTANT, N = 3.533693
UNIT PEAK = .24894 CFS UNIT VOLUME = .9436 B = 322.78
P60 = 2.1000
AREA = .000103 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 = 2.18682 INCHES = .0913 ACRE-FEET
PEAK DISCHARGE RATE = 2.34 CFS AT 1.500 HOURS BASIN AREA = .0008 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 15:34:35

```
START                    TIME=0.0
**** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE III
RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                         RAIN DAY=3.30 IN DT=0.03333 HR
COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.005598 SQ MI
                         PER A=43.49 B=19.74 C=36.77 D=0
                         TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD                 ID=1 CODE=1
FINISH
```

```
     AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
          RUN DATE (MON/DAY/YR) = 01/18/1996
          START TIME (HR:MIN:SEC) = 15:37:02      USER NO.= M_GOODWN.I01
          INPUT FILE = 4HILLIII.DAT

START                    TIME=0.0

***** HYDROGRAPH FOR FOUR HILLS CENTER-PHASE III

RAINFALL                 TYPE=1 RAIN QUARTER=0.0 IN
                         RAIN ONE=2.10 IN RAIN SIX=2.63 IN
                         RAIN DAY=3.30 IN DT=0.03333 HR

                    COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2
PEAK AT 1.40 HR.
                    DT =     .033330 HOURS        END TIME =     5.999400 HOURS
                       .0000   .0037   .0074   .0112   .0151   .0191   .0232
                       .0273   .0316   .0360   .0404   .0450   .0497   .0546
                       .0595   .0646   .0699   .0753   .0809   .0867   .0926
                       .0988   .1052   .1119   .1188   .1260   .1336   .1415
                       .1498   .1585   .1677   .1736   .1798   .1864   .2006
                       .2325   .2815   .3519   .4481   .5744   .7356   .9362
                      1.1810  1.4082  1.5032  1.5833  1.6546  1.7194  1.7791
                      1.8345  1.8863  1.9348  1.9805  2.0236  2.0643  2.1028
                      2.1393  2.1740  2.2068  2.2380  2.2676  2.2753  2.2825
                      2.2894  2.2960  2.3023  2.3085  2.3144  2.3201  2.3256
                      2.3310  2.3363  2.3414  2.3463  2.3512  2.3559  2.3605
                      2.3650  2.3695  2.3738  2.3780  2.3822  2.3863  2.3903
                      2.3942  2.3981  2.4019  2.4057  2.4094  2.4130  2.4166
                      2.4201  2.4236  2.4270  2.4304  2.4337  2.4370  2.4402
                      2.4434  2.4466  2.4497  2.4528  2.4558  2.4589  2.4618
                      2.4648  2.4677  2.4706  2.4735  2.4763  2.4791  2.4819
                      2.4846  2.4873  2.4900  2.4927  2.4953  2.4979  2.5005
                      2.5031  2.5056  2.5082  2.5107  2.5131  2.5156  2.5180
                      2.5205  2.5229  2.5253  2.5276  2.5300  2.5323  2.5346
                      2.5369  2.5392  2.5414  2.5437  2.5459  2.5481  2.5503
                      2.5525  2.5547  2.5568  2.5590  2.5611  2.5632  2.5653
                      2.5674  2.5695  2.5715  2.5736  2.5756  2.5777  2.5797
                      2.5817  2.5836  2.5856  2.5876  2.5895  2.5915  2.5934
                      2.5953  2.5972  2.5991  2.6010  2.6029  2.6048  2.6066
                      2.6085  2.6103  2.6122  2.6140  2.6158  2.6176  2.6194
                      2.6212  2.6229  2.6247  2.6265  2.6282  2.6300

COMPUTE NM HYD           ID=1 HYD NO=101.1 AREA=0.005598 SQ MI
                         PER A=43.49 B=19.74 C=36.77 D=0
                         TP=0.1333 HR MASS RAINFALL=-1

     K =    .134834HR    TP =    .133300HR    K/TP RATIO =  1.011508     SHAPE
CONSTANT, N =  3.489823
     UNIT PEAK =    13.421    CFS   UNIT VOLUME =     .9993        B =    319.59
   P60 = 2.1000
     AREA =        .005598 SQ MI    IA =     .51008 INCHES    INF =    1.27822 I
NCHES PER HOUR
```

```
.033330

PRINT HYD              ID=1 CODE=1

                                        PARTIAL HYDROGRAPH   101.10

     RUNOFF VOLUME =       .89538 INCHES     =         .2673 ACRE-FEET
     PEAK DISCHARGE RATE =        9.11 CFS  AT    1.500 HOURS   BASIN AREA =
.0056 SQ. MI.


FINISH

     NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 15:37:08
```

IMPORTANT MESSAGE

FOR _____

DATE _____ TIME _____ A.M. P.M.

WHILE YOU WERE AWAY

M _____

OF _____

PHONE NO. _____

TELEPHONED		RET'D YOUR CALL	
PLEASE CALL		URGENT	
WILL CALL AGAIN		WANTS TO SEE YOU	

MESSAGE _____

_____

_____

_____

_____

SIGNED _____

NEW OWNERS + ADDRESS:

FOUR HILLS 1 JOINT VENTURE

3535 PRINCETON DR NE

ALBQ., N.M. 87107

IMPORTANT MESSAGE

FOR _____

DATE _____ TIME _____ A.M. P.M.

WHILE YOU WERE AWAY

M _____

OF _____

PHONE NO. _____

TELEPHONED		RET'D YOUR CALL	
PLEASE CALL		URGENT	
WILL CALL AGAIN		WANTS TO SEE YOU	

MESSAGE _____

SIGNED _____

COMPLAINT FORM

PUBLIC WORKS DEPARTMENT
DEVELOPMENT AND BUILDING SERVICES DIVISION
924-3900

Complainant: Sheila Phone #: 299-1500

Address/Location: See attached form after page

Date Complaint Received: 3-30-01

Complaint Description: Developer placed fill against garden walls.

Referred to: Carlos Montoya Date Referred: 3-30-01

Investigation-Comments:

Terri Martin visited site 4-5-01.

See attached letter.

Follow-up:

Action Taken

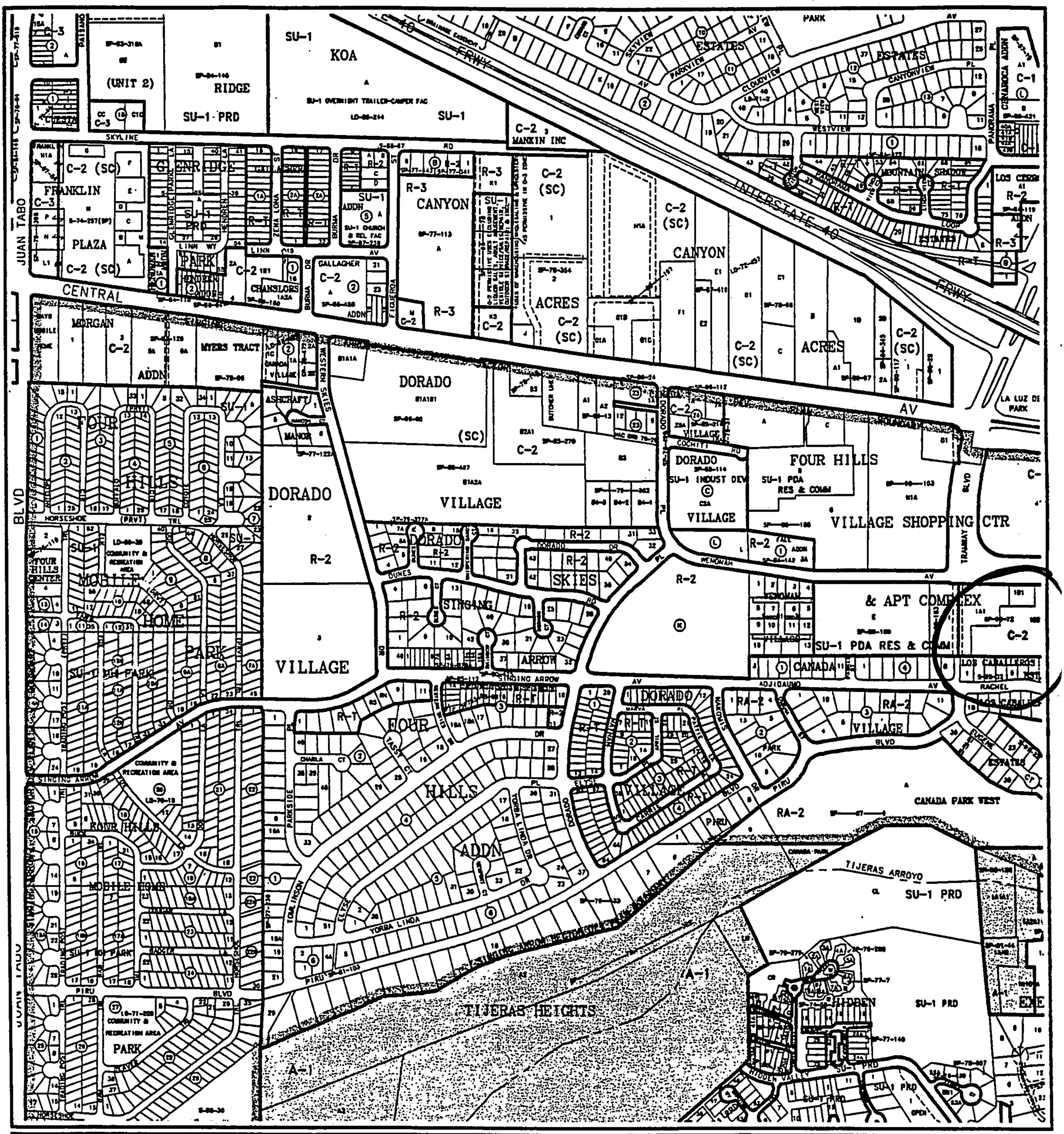
Date Completed: Complaint Status: H - On Hold

Map and Page: L 22 (W) - Being Worked On

C - Completed

Any Other Information

Resolved by: Date:



CITY OF
Albuquerque

A Albuquerque G eographic I nformation S ystem
PLANNING DEPARTMENT

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GRAPHIC SCALE IN FEET
250 0 750 1000

Zone Atlas Page

L-22-Z

Map Amended through July 31, 2000

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 11, 2001

Four Hills 1 Joint Venture
3535 Princeton Drive NE
Albuquerque New Mexico 87107

RE: Drainage Complaint for Undeveloped Property between Tramway Blvd and Rachel Ave. at Four Hills (L-22)

Dear Sirs:

We have received a drainage complaint from local residents at the referenced location on your development. I have attached a zone atlas map and located the complaint location. We visited the site and observed the following:

1. Excessive fill has been placed against the existing garden walls. Due to the excessive fill runoff is directed to the garden walls causing erosion cuts.
2. Runoff through the undeveloped portion of the site has deep erosion cuts.
3. Sediment is being conveyed to the downstream property and public channel.

The City Drainage Ordinance requires that if more than 500 cubic yards of fill material is being placed on a site than a drainage plan needs to be submitted and approved. Also, all land use changes cannot damage downstream properties.

Please contact this office within three weeks to meet and discuss the matter. If you have any questions or would like to meet please contact me at 924-3982.

Sincerely,

Carlos A. Montoya
City/County Floodplain Adm.

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

COMPLAINT FORM

PUBLIC WORKS DEPARTMENT
DEVELOPMENT AND BUILDING SERVICES DIVISION
924-3900

Complainant: Sheila Phone #: 299-1500
Address/Location: See attached zone atlas page
Date Complaint Received: 3-30-01

Complaint Description: Developer placed fill against garden walls.

Referred to: Carlos Montoya Date Referred: 3-30-01

Investigation-Comments:
Terri Martin visited site 4-5-01.
See attached letter

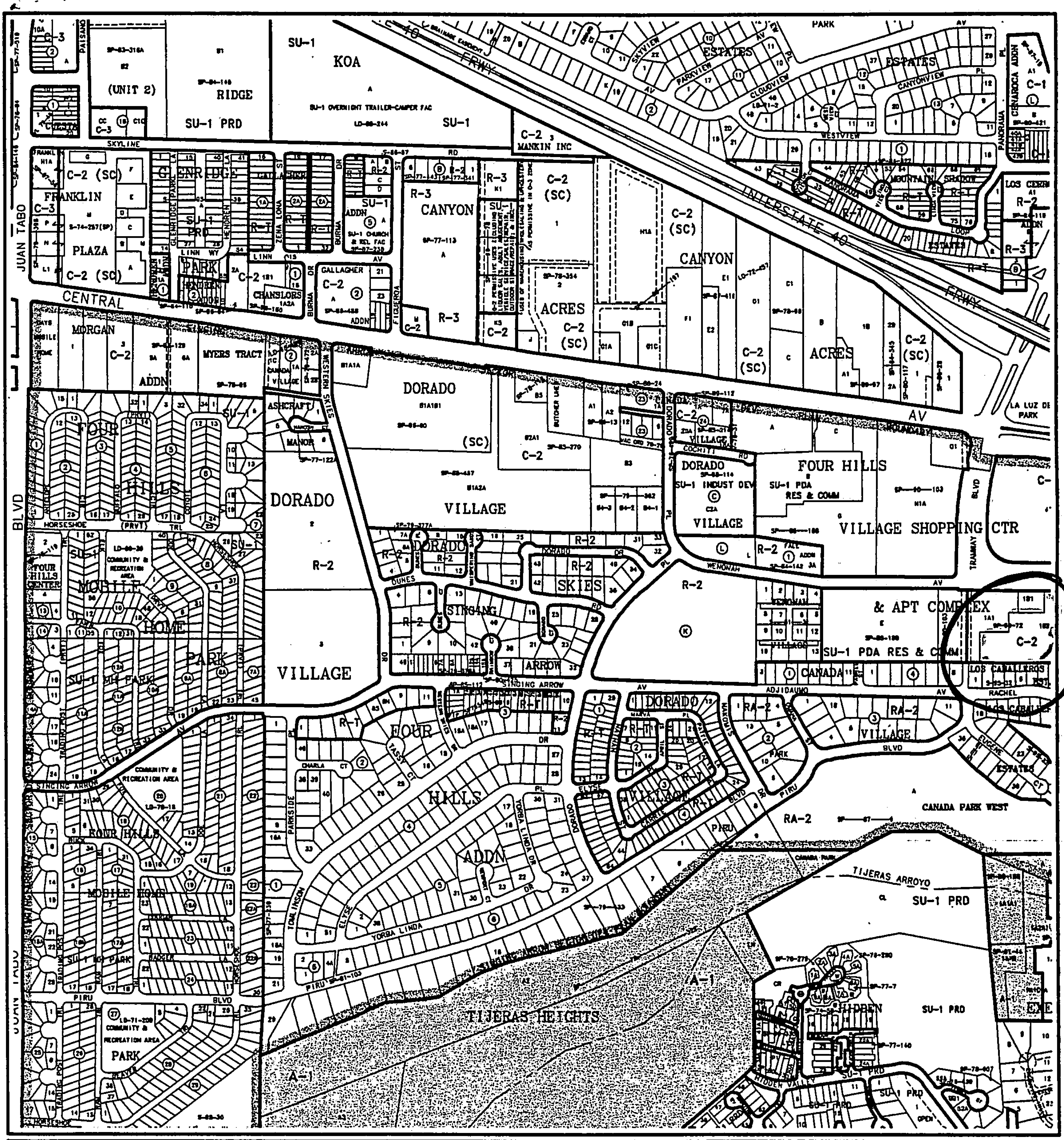
Follow-up:

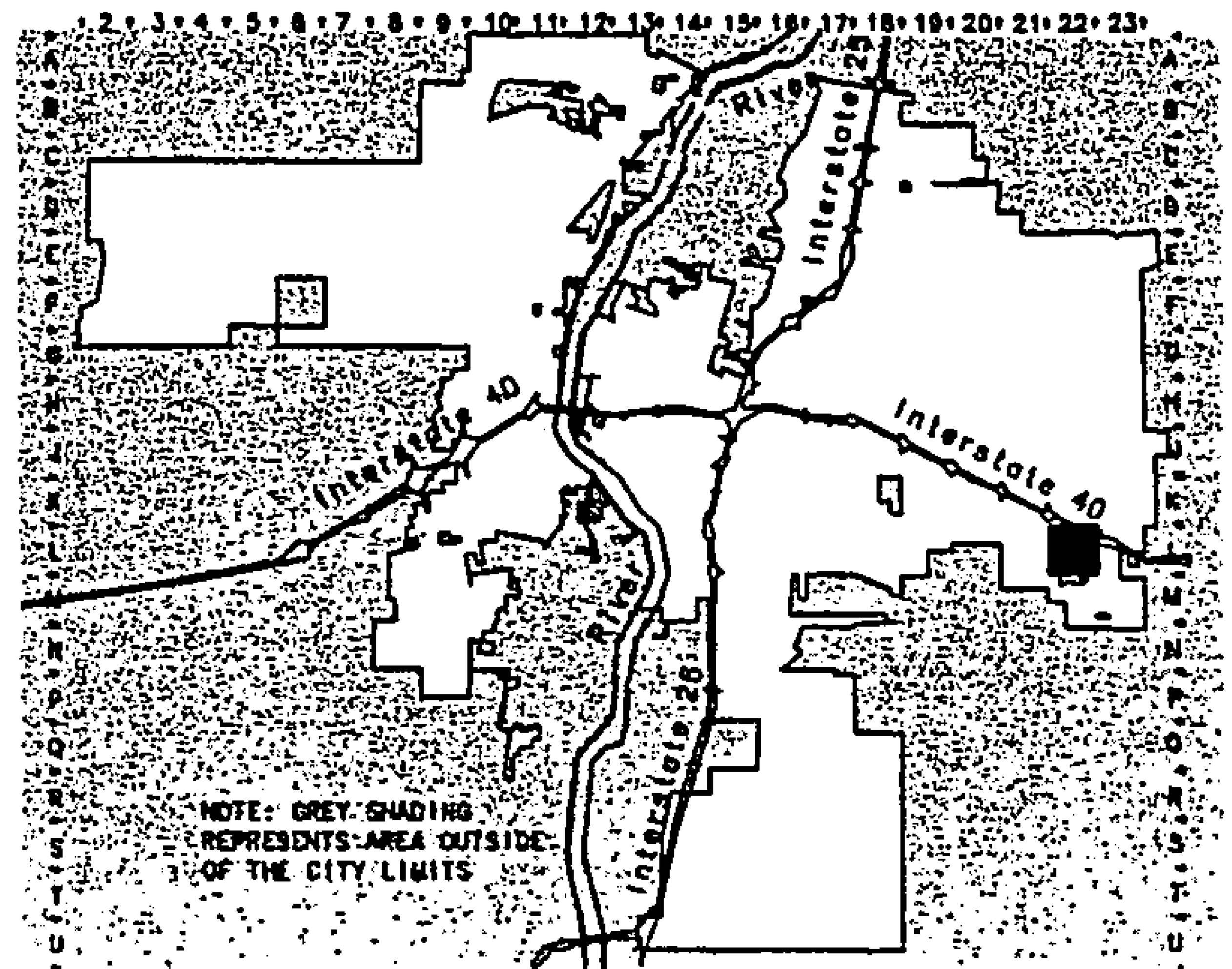
Action Taken

Date Completed: 4 Complaint Status: H - On Hold
Map and Page: L22 (W) - Being Worked On
C - Completed

Any Other Information

Resolved by: Date:





CITY OF
Albuquerque

Albuquerque Geographic Information System

PLANNING DEPARTMENT

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GRAPHIC SCALE IN FEET

250 0 750 1000

Zone Atlas Page

L-22-Z

Map Amended through July 31, 2000

TO: Carlos Montoya FAX #: 924-3982

COMPANY: City of ABQ DATE / TIME: 3/30/01

FROM: Shirley

COMMENTS: Thank you for your help. I will wait to hear back from you.

OF PAGES (incl. cover): 3

LEE MICHAEL HOMES
1540 Juan Tabo NE, Suite A
Albuquerque, New Mexico 87112
(505) 299-1500 (505) 299-8189 FAX

HAVE A SPEC-TACULAR DAY!

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 12, 1999

1-023-056-
022291-20117

4 HILLS I JOINT VENTURE
3535 PRINCETON DR NE
ALBQ., N.M., 87107

Amar Tesch
Tesch Development
2444 Louisiana NE, Suite 207
Albuquerque, New Mexico

RE: Tracts 1-A1, 1-B1 and 1-B2, Four Hills Village Shopping Center & Apartment Complex, Burger King/Texaco Station (City Drainage File L23/D22) and Texaco Express Lube (City Drainage File L23/D25)

Dear Mr. Tesch:

City Hydrology has received a drainage complaint from a constituent located on the south side of the above referenced site. It appears that Tract 1-B2 has been filled in so that it is higher than the existing Lots to the south of the site. The complainant claims that runoff from the above referenced site has caused erosion problems where the runoff undermines his existing wall.

Please have your engineer look into this problem and see what can be done to remedy this situation.

If you have any questions, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Greg Krenik, Mark Goodwin & Associates
Mike Salvador, George Rainhart
File

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

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 4, 1999

L23-D22
L22-D33A1

Amar Tesch
Tesch Development
2444 Louisiana NE, Suite 207
Albuquerque, New Mexico

RE: Tracts 1-A1, 1-B1 and 1-B2, Four Hills Village Shopping Center & Apartment Complex, Burger King/Texaco Station (City Drainage File L23/D22) and Texaco Express Lube (City Drainage File L23/D25)

Dear Mr. Tesch:
We are continuing to receive drainage complaints on the undeveloped parcels in your development. I visited your site last week and observed the following:

1. Excess fill material has been brought into the undeveloped portion of the site.
2. Runoff through the undeveloped portion of the site has caused deep erosion cuts.
3. Sediment is being conveyed to the downstream property and public channel.
4. High fill (above 10 feet) on the south property line.

The City Drainage Ordinance requires that if more than 500 cubic yards of fill material is being placed on a site then a drainage plan needs to be submitted and approved. Also, all land use changes cannot damage downstream properties.

Please submit a Drainage plan by a Professional Engineer to Hydrology addressing all of the above problems. Please send me written notification of your intentions on this matter within three weeks. If you have any questions please call me at 768-2654.

Sincerely,

Carlos A. Montoya

c: Greg Krenik, Mark Goodwin & Associates
George Raininhart, Architect
Susan M. Calongne, Floodplain Administrator

P.2/2 OCT 12 '99 08:47 PUBLIC WORKS ADMIN (505)768-3629

N
W
E
S

AV

RSTATE 40

BLVD

TRAMWAY

RD

AV

WATERFALL

SERENITY

L-22

RACHEL

RD

CREEK TRL

PINON

PINON CREEK

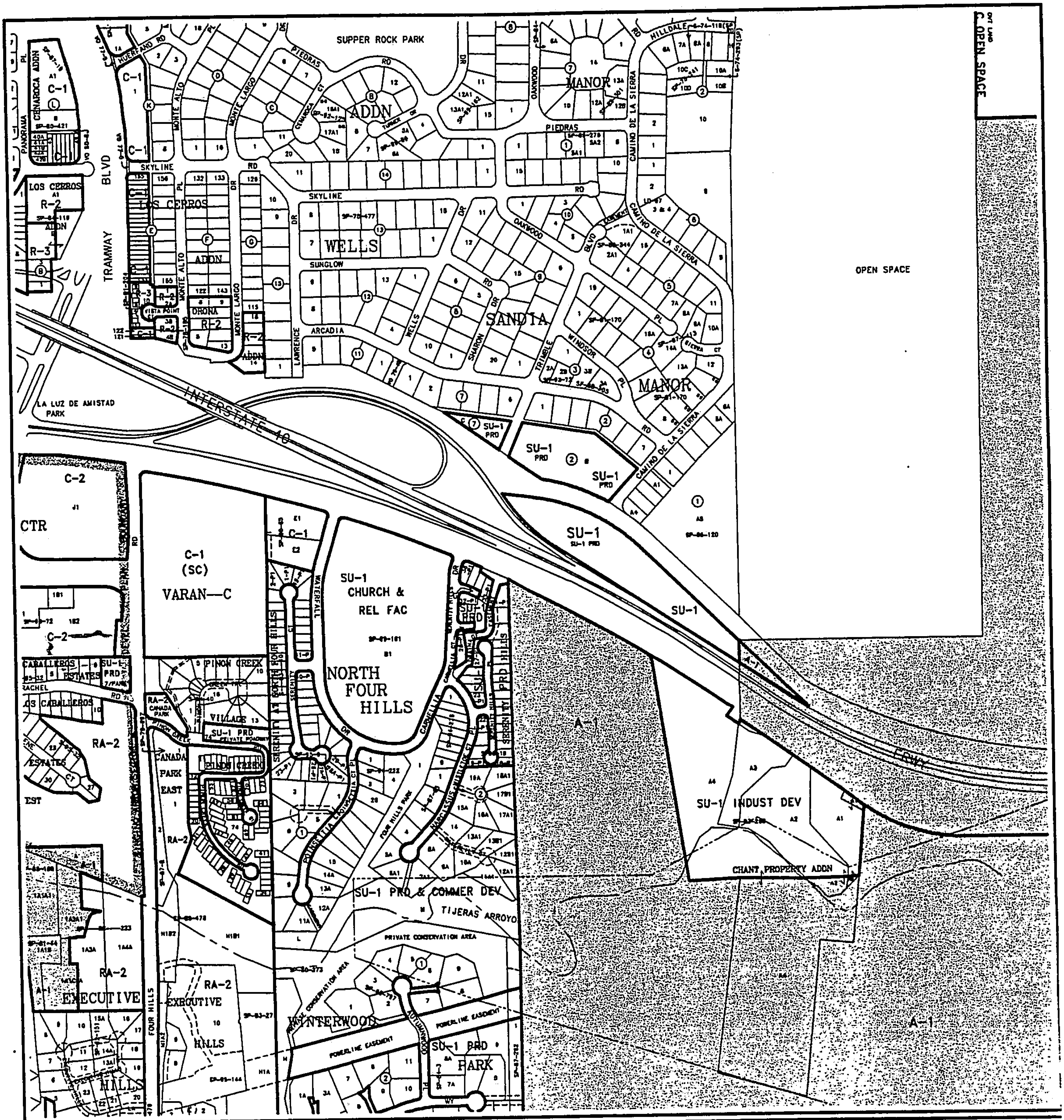
RD

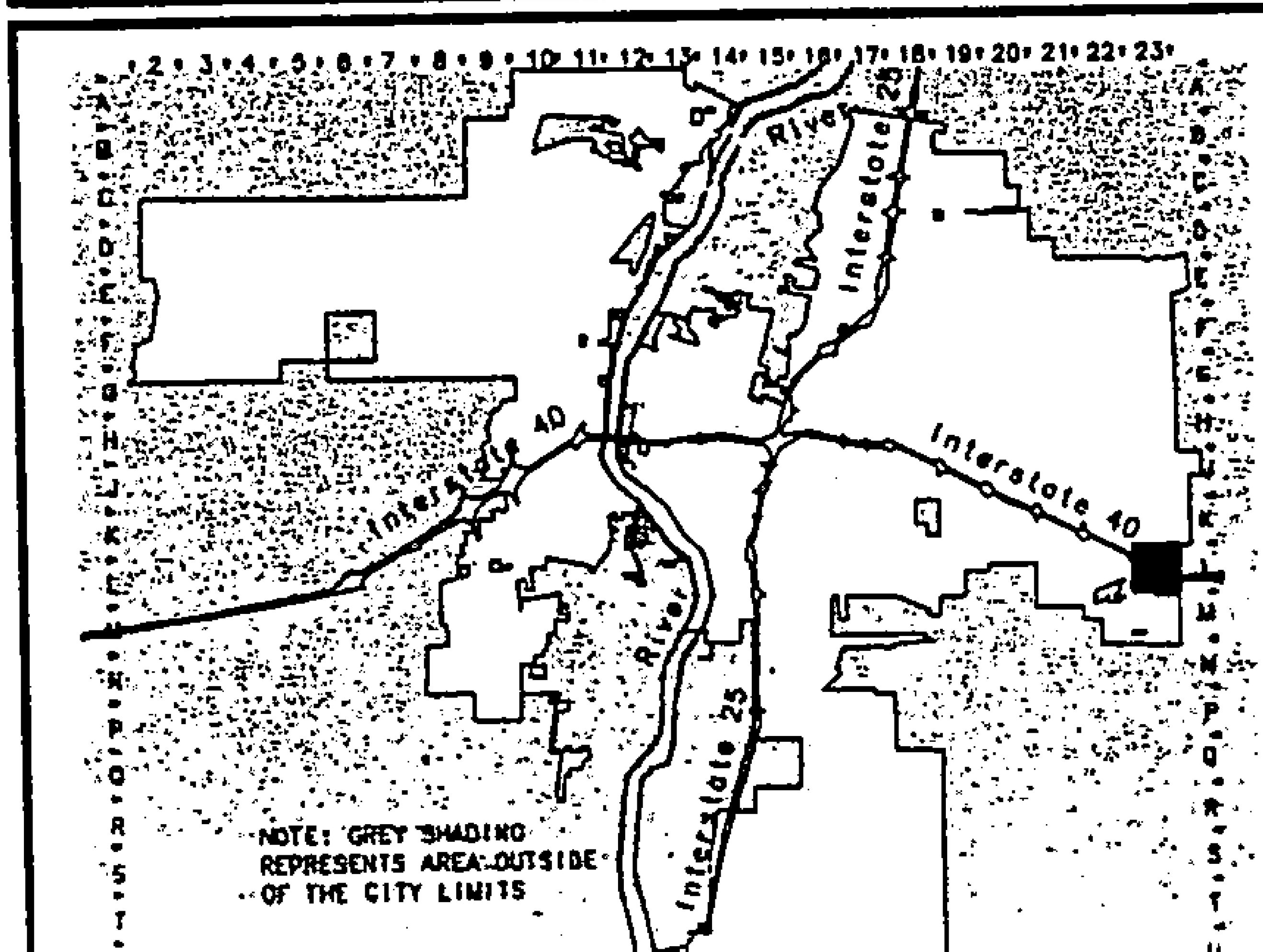
EUGENE

CT

L-23

GIS PRODUCT REFERENCE: TILE L-22 OPTIONS 04 03 01 PWPRV PWDCAM #QQGRA


SUPPER ROCK PARK
OPEN SPACE
OPEN SPACE
CENAROCA ADDN
C-1
PANORAMA
LOS CERROS
R-2
ADDN
R-3
TRAMWAY BLVD
SKYLINE RD
LOS CERROS
ADDN
MONTE ALTO
MONTE LARGO
ORONA
R-2
VISTA POINT CT
HUERFANO RD
PIEDRAS RD
CENAROCA CT
ADDN
TURNER DR
OAKWOOD
MANOR
HILLDALE
CAMINO DE LA SIERRA
WELLS
SUNGLOW
ARCADIA
LAWRENCE
SANDIA
SHARON DR
TRIMBLE
WINDSOR PL
SIERRA CT
MANOR
INTERSTATE 40
LA LUZ DE AMISTAD PARK
SU-1 PRD
SU-1 SU-1 PRD
SU-1
FRWY
C-2
CTR
C-1 (SC)
VARAN—C
SU-1 CHURCH & REL FAC
NORTH FOUR HILLS
WATERFALL
SERENITY
CAMELLIA
NARCISSUS
POINSETTIA
FOUR HILLS PARK
CABALLEROS ESTATES
RACHEL RD
LOS CABALLEROS
RA-2
PINON CREEK
VILLAGE
CANADA PARK EAST
SU-1 PRD
A-1
SU-1 INDUST DEV
CHANT PROPERTY ADDN
SU-1 PRD & COMMER DEV
TIJERAS ARROYO
PRIVATE CONSERVATION AREA
EXECUTIVE HILLS
EXECUTIVE HILLS
FOUR HILLS
WINTERWOOD
POWERLINE EASEMENT
AUTUMNWOOD
SU-1 PRD PARK
A-1



CITY OF Albuquerque

Albuquerque Geographic Information System

PLANNING DEPARTMENT

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GRAPHIC SCALE IN FEET

250 0 750 1000

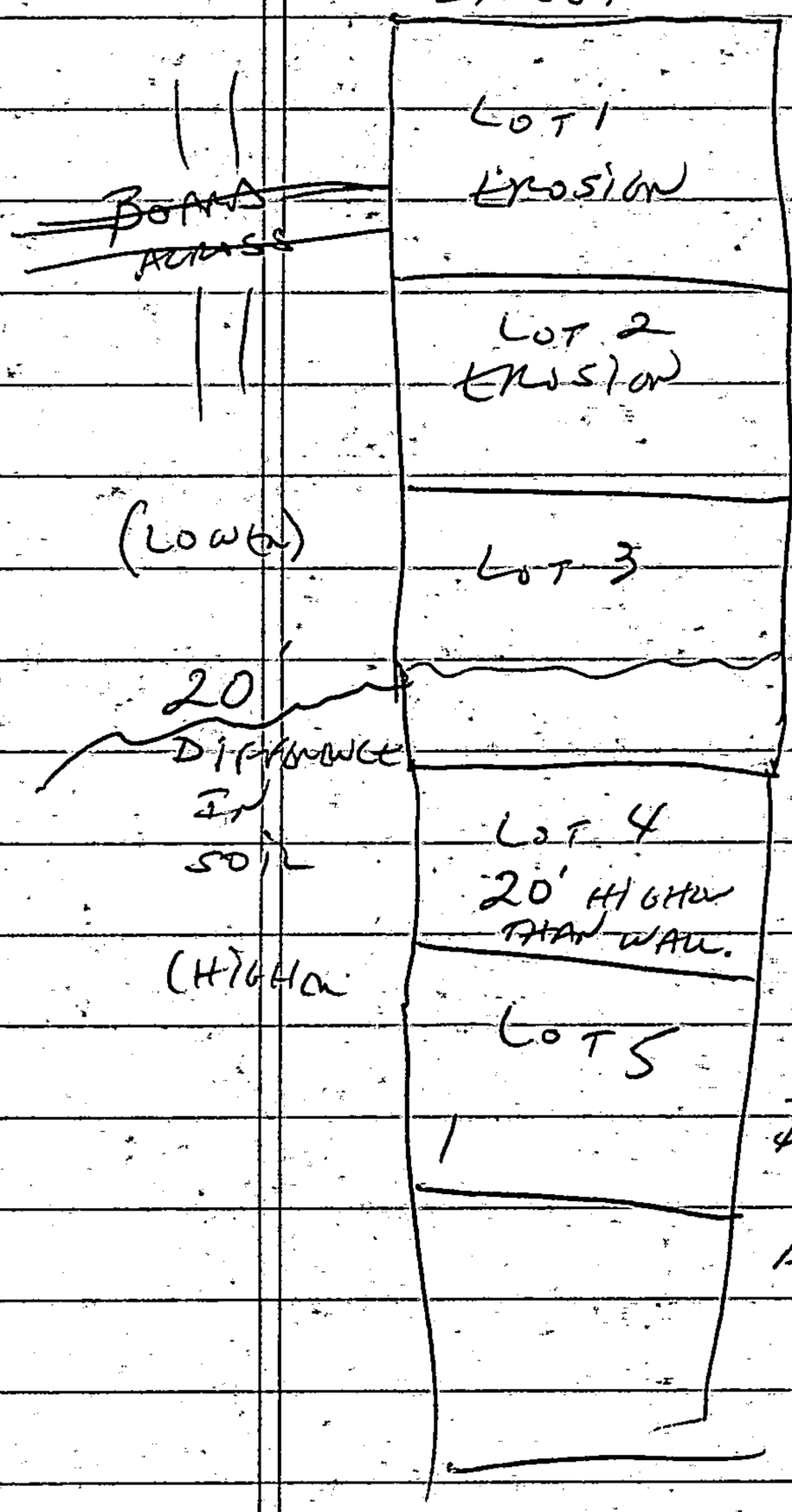
Zone Atlas Page

L-23-Z

Map Amended through July 31, 2000

OBSERVATIONS:

- MASS GRADING DIRECTLY TO ~~EAST~~ EAST.
- NO ONE ON SITE.
- BECOMING A DUMPING GROUND FOR TRASH, FILL DIRT, ETC.
- SEVERE BUILD-UP OF DIRT AGAINST GARDEN WALL, W/ SEVERE EROSION IN DIRECTION FROM NORTHWEST OF LOT, TO SOUTHEAST CORNER.
- FILL DIRT EXCEEDS GARDEN WALLS BY 20' IN places.



SAFETY ISSUE (PARTY PLACE)
- LOST SITE OF BACK ALLEY.

BRICKS STACKED AGAINST WALL AS

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 12, 1999

Amar Tesch
Tesch Development
2444 Louisiana NE, Suite 207
Albuquerque, New Mexico

RE: Tracts 1-A1, 1-B1 and 1-B2, Four Hills Village Shopping Center & Apartment Complex, Burger King/Texaco Station (City Drainage File L23/D22) and Texaco Express Lube (City Drainage File L23/D25)

Dear Mr. Tesch:

City Hydrology has received a drainage complaint from a constituent located on the south side of the above referenced site. It appears that Tract 1-B2 has been filled in so that it is higher than the existing Lots to the south of the site. The complainant claims that runoff from the above referenced site has caused erosion problems where the runoff undermines his existing wall.

Please have your engineer look into this problem and see what can be done to remedy this situation.

If you have any questions, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Greg Krenik, Mark Goodwin & Associates
Mike Salvador, George Rainhart
File

7-22-99

Complainant returned - said fill material slopes to his wall
Called Greg Krenik - will check to make sure swale between fill & neighbor's wall.

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

1.) Who owns tract 1C

2.) Where all the improvements made on tract 1C

3.) need written permission - from tract K owner to allow ~~the~~ grading, riprap ad diversion of flows

4.) Who is going to maintain Channel.

Greg Sandoval
Sales Executive

DELTA DENTAL®
Delta Dental Plan of New Mexico

2500 Louisiana NE Suite 300
Albuquerque, NM 87110
Telephone 505-883-4777, Ext. 323
Facsimile 505-883-7444
1-800-999-0963

Direct 505-872-5323
gregs@deltadentalnm.com

Lives adjacent to site - South side

NEW

DRAINAGE INFORMATION SHEET

L-23-025

PROJECT TITLE: TEXACO EXPRESS LUBE ZONE ATLAS/DRNG.FILE#: L-23

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

LEGAL DESCRIPTION: NW PORTION TRACT I-B PLAT OF TRACTS I-A AND I-B FOOR HILL VILLAGE SHOPPING CENTER & APARTMENT COMPLEX

CITY ADDRESS: _____

ENGINEERING FIRM: MARK GOODWIN & ASSOCIATES CONTACT: GREGORY J. KRENIK

ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: TESCH DEVELOPMENT CONTACT: OMAR TESCH

ADDRESS: 2444 LOUISIANA NE SUITE207 PHONE: 883-1114

ARCHITECT: GEORGE REINHART CONTACT: MIKE SALVADOR

ADDRESS: 2325 SAN PEDRO NE, SUITE 2-B PHONE: 884-9110

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

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)

PRE-DESIGN MEETING:

- ____ YES
- ____ NO
- ____ COPY PROVIDED

RECEIVED
OCT 30 1997
HYDROLOGY SECTION

DATE SUBMITTED: 10-29-97

BY: _____

Per phone message from Greg on 11-26-97. He only wants this to be a ~~concept~~ G+D plan for SP. Sieb.

DRAINAGE INFORMATION SHEET

PROJECT TITLE: TEXACO EXPRESS LUBE ZONE ATLAS/DRNG,FILE#: L-23

DRB #: ______ EPC #: ______ WORK ORDER #: ______

LEGAL DESCRIPTION: NW PORTION TRACT 1-B PLAT OF TRACTS 1-A AND 1-B FOUR HILL VILLAGE SHOPPING CENTER & APARTMENT COMPLEX

CITY ADDRESS: ______

ENGINEERING FIRM: MARK GOODWIN & ASSOCIATES CONTACT: GREGORY J. KRENIK

ADDRESS: P.O. BOX 90606 87199 PHONE: 828-2200

OWNER: TESCH DEVELOPMENT CONTACT: AMAR TESCH

ADDRESS: 2444 LOUISIANA NE SUITE 207 PHONE: 883-1114

ARCHITECT: GEORGE RAINHART CONTACT: MIKE SALVADOR

ADDRESS: 2325 SAN PEDRO NE, SUITE 2-B PHONE: 884-9110

SURVEYOR: N/A CONTACT: ______

ADDRESS: ______ PHONE: ______

CONTRACTOR: N/A 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
- ___ 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)

Engr Stamp dated 1-30-98

DATE SUBMITTED: 2-2-98

BY: [signature]

Resubmitted 3/3/98

CITY OF
Albuquerque

March 27,1998

Greg Krenik
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: REVISED DRAINAGE PLAN FOR TEXACO-EXPRESS LUBE (L23-D25) REVISION
DATED 3/25/98

Dear Mr. Krenik:

Based on the information provided on your March 25,1998 resubmittal, the above referenced site is approved for Building Permit.

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

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

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya CE
Associate Engineer

DRAINAGE INFORMATION SHEET

25

PROJECT TITLE: TEXACO EXPRESS LUBE ZONE ATLAS/DRNG,FILE#: L-23

DRB #: 98-25 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: NW PORTION TRACT 1-B PLAT OF TRACTS 1-A AND 1-B

CITY ADDRESS: FOUR HILL VILLAGE SHOPPING CENTER & APARTMENT COMPLEX

ENGINEERING FIRM: MARK GOODWIN & ASSOCIATES CONTACT: GREGORY J. KRENIK

ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: TESCH DEVELOPMENT CONTACT: OMAR TESCH

ADDRESS: 2444 LOUISIANA NE SUITE207 PHONE: 883-1114

ARCHITECT: GEORGE REINHART CONTACT: MIKE SALVADOR

ADDRESS: 2325 SAN PEDRO NE, SUITE 2-B PHONE: 884-9110

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: N/A 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

____ 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: 3-25-98

BY: _____

RECEIVED
MAR 25 1998
HYDROLOGY SECTION

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 4, 1999

Amar Tesch
Tesch Development
2444 Louisiana NE, Suite 207
Albuquerque, New Mexico

RE: Tracts 1-A1, 1-B1 and 1-B2, Four Hills Village Shopping Center & Apartment Complex, Burger King/Texaco Station (City Drainage File L23/D22) and Texaco Express Lube (City Drainage File L23/D25)

Dear Mr. Tesch:
We are continuing to receive drainage complaints on the undeveloped parcels in your development. I visited your site last week and observed the following:

1. Excess fill material has been brought into the undeveloped portion of the site.
2. Runoff through the undeveloped portion of the site has caused deep erosion cuts.
3. Sediment is being conveyed to the downstream property and public channel.
4. High fill (above 10 feet) on the south property line.

The City Drainage Ordinance requires that if more than 500 cubic yards of fill material is being placed on a site then a drainage plan needs to be submitted and approved. Also, all land use changes cannot damage downstream properties.

Please submit a Drainage plan by a Professional Engineer to Hydrology addressing all of the above problems. Please send me written notification of your intentions on this matter within three weeks. If you have any questions please call me at 768-2654.

Sincerely,

Carlos A. Montoya

c: Greg Krenik, Mark Goodwin & Associates
George Raininhart, Architect
Susan M. Calongne, Floodplain Administrator

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

DRAINAGE INFORMATION SHEET

PROJECT TITLE: TEXACO EXPRESS LUBE ZONE ATLAS/DRNG,FILE#: L-23/D25

DRB #: 98-25 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: NW PORTION TRACT 1-B PLAT OF TRACTS 1-A AND 1-B FOUR HILL VILLAGE SHOPPING CENTER & APARTMENT COMPLEX

CITY ADDRESS: ~~13440 WENONAH~~ SE

ENGINEERING FIRM: MARK GOODWIN & ASSOCIATES CONTACT: GREGORY J. KRENIK

ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: TESCH DEVELOPMENT CONTACT: OMAR TESCH

ADDRESS: 2444 LOUISIANA NE SUITE207 PHONE: 883-1114

ARCHITECT: GEORGE REINHART CONTACT: MIKE SALVADOR

ADDRESS: 2325 SAN PEDRO NE, SUITE 2-B PHONE: 884-9110

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT

____ DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAINAGE PLAN

____ GRADING PLAN

____ EROSION CONTROL PLAN

__X__ ENGINEER'S CERTIFICATION

____ OTHER

PRE-DESIGN MEETING:

____ YES

____ NO

____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH 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)

TEMP. 30 day C.O.

RECEIVED
OCT 29 1998
HYDROLOGY SECTION
FMM.

DATE SUBMITTED: 10-29-98

BY: _____

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 30, 1998

Greg Krenick P.E.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: ENGINEER'S CERTIFICATION FOR TEXACO EXPRESS LUBE (L-23/D25)
ENGINEER'S CERTIFICATION STATEMENT DATED 10/29/99

Dear Mr. Krenick:

Based on the information provided on your October 29, 1998 submittal, Engineer's Certification for the above referenced site is acceptable.

If I can be of any further assistance, please feel free to contact me at 924-3330.

Sincerely,

Andrew Garcia

Andrew Garcia
Drainage Inspector

c: file

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

CITY OF
Albuquerque

Martin J. Chávez, Mayor

November 28, 1997

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

RE: TEXACO EXPRESS LUBE (L23-D25). GRADING AND DRAINAGE PLAN FOR SITE DEVELOPMENT PLAN FOR SUBDIVISION APPROVAL. ENGINEER'S STAMP DATED OCTOBER 29, 1997.

Dear Mr. Krenik:

Based on the information provided on your October 30, 1997 submittal, the above referenced project is approved for Site Development Plan for Subdivision approval.

Please submit a copy of the proposed plat, with the required cross lot drainage easement language.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

Lisa Ann Manwill, P.E.
Hydrology

c: Andrew Garcia
File