

October 10, 1996

Martin J. Chávez, Mayor

Mr. Gregory J. Krenik
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

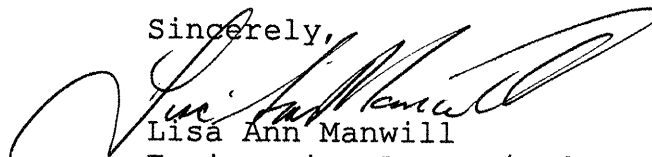
RE: SUPER 8 MOTEL (K22-D2G). ENGINEER'S CERTIFICATION FOR
RELEASE OF FINANCIAL GUARANTEES. ENGINEER'S CERTIFICATION
DATED 8-29-96.

Dear Mr. Krenik:

Based on the information provided on your August 29, 1996
submittal, City Hydrology accept the Engineer's Certification of
grading and drainage. Contact Terri Martin to obtain the
Financial Guarantee Release for City project number 5280.90.

If I can be of further assistance, please feel free to contact me
at 768-3622.

Sincerely,



Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Terri Martin
File





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 5, 1994

Gregory J. Krenik, P.E.
Mark Goodwin & Assoc. P.A.
P.O. Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR SUPER 8 MOTEL (K-22/D22G)
RECEIVED SEPTEMBER 26, 1994 FOR SITE DEV. PLAN APPROVAL
ENGINEER'S STAMP DATED 9-26-94

Dear Mr. Krenik:

Based on the information included in the submittal referenced above, City Hydrology approves this project for Site Development Plan.

The following comments must be approved prior to Building Permit approval:

1. Please provide the street address if it is known. Code Administration uses the address to track the project through the Building Permit process to the Certificate of Occupancy.
2. Indicate the inverts for the concrete rundowns at the east property line. The velocity exiting the south rundown is very high. Will this cause maintenance problems? Will the steep slope (5h:2v) between the parking lot and the east property line cause any problems for the landscaper?

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

c: Fred Aguirre
Andrew Garcia

WPHYD/8819/jpc



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 20, 1994

Gregory J. Krenik, P.E.
Mark Goodwin & Assoc. P.A.
P.O. Box 90606
Albuquerque, N.M. 87199

RE: GRADING & DRAINAGE PLAN FOR SUPER 8 MOTEL (K-22/D#2G)
RECEIVED AUGUST 26, 1994 FOR SITE DEV. PLAN APPROVAL
ENGINEER'S STAMP DATED 8-24-94

Dear Mr. Krenik:

Based on the information included in the submittal referenced above, City Hydrology has the following comments that must be addressed prior to Site Development Plan approval:

1. Is there a DRB # associated with this project. If any infrastructure improvements are required the List must be included in your submittal.
2. Identify & quantify any off-site flows that enter the site. The contours suggest that there are off-site flows from the east.
3. Justify why free discharge to Paisano Street should be granted. Where does the runoff go?
4. Show roof drain locations. If roof drains are not used indicate drainage pattern for the roof.

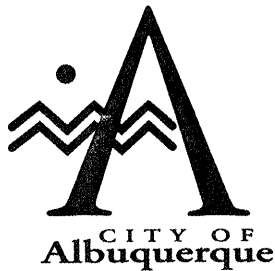
If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

c: Fred Aguirre
Andrew Garcia

WPHYD/8819/jpc



September 16, 1996

Martin J. Chávez, Mayor

Mr. Gregory J. Krenik
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

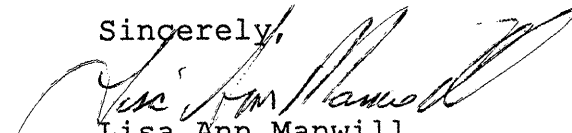
RE: SUPER 8 MOTEL (K22-D#2G). ENGINEER'S CERTIFICATION FOR
CERTIFICATE OF OCCUPANCY. ENGINEER'S CERTIFICATION DATED 8-
29-96.

Dear Mr. Krenik:

Based on the information provided on your August 29, 1996
submittal, the above referenced site is approved for Certificate
of Occupancy.

If I can be of further assistance, please feel free to contact me
at 768-3622.

Sincerely,



Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File

*Notified Kim that
C.O. is OK on 10-11-96
JPC*





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 9, 1996

Mr. Gregory J. Krenik
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

**RE: SUPER 8 MOTEL (K22-D22G) GRADING AND DRAINAGE PLAN SUBMITTAL
FOR BUILDING AND WORK ORDER PERMIT APPROVAL. ENGINEERS'S
STAMP DATED AUGUST 3, 1995.**

Dear Mr. Krenik:

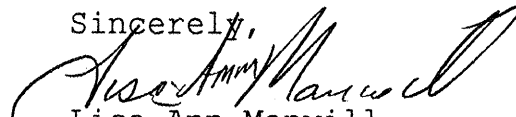
Based on the information provided on your August 3, 1995
submittal, the above referenced site is approved for Building and
Work Order Permit.

Prior to obtaining a Certificate of Occupancy, please address the
following items:

1. An Engineer's Certification for the entire approved
plan must be completed according to the Albuquerque
Development Process Manual, section 22.7.
2. Please provide the street address. Code Administration
uses this to track projects from Building Permit
process to Certificate of Occupancy.
3. Is there a DRB # associated with this project?

If I can be of further assistance, please feel free to contact me
at 768-3622.

Sincerely,



Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 27, 1996

Mr. Gregory J. Krenik
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

**RE: SUPER 8 MOTEL (K22-D2G) GRADING AND DRAINAGE PLAN SUBMITTAL
FOR BUILDING AND WORK ORDER PERMIT APPROVAL. ENGINEERS'S
STAMP DATED AUGUST 11, 1995.**

Dear Mr. Krenik:

Based on the information provided on your February 27, 1996 submittal, the above referenced site is approved for Building and Work Order Permit.

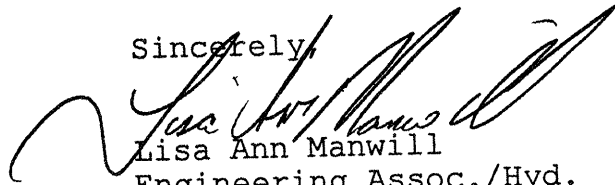
Per our phone conversation on 2-27-96 and my review of your submittal, the plan stamped 8-11-95 differs from the originally approved plan (stamped 8-3-95) as follows:

1. The cul-de-sac Section A-A was added.
2. Curve data notes were added.

Prior to Certificate of Occupancy, an Engineer's Certification will be required.

If I can be of further assistance, please feel free to contact me at 768-3622.

Sincerely,


Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File

MARK GOODWIN

& ASSOCIATES
CONSULTING ENGINEERS

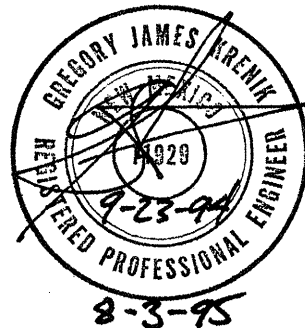
dmg

DRAINAGE CALCULATIONS
for
SUPER 8 MOTEL

Prepared For

*Claudio Vigil Architects
1305 Tijeras NW
Albuquerque, NM 87102*

September 1994





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

PROJECT SUPER 8 MOTEL
SUBJECT DRAINAGE CALCS
BY GJK DATE 7-23-99
CHECKED _____ DATE _____
SHEET 1 OF _____

REVISED 8-3-95

EXISTING CONDITIONS

THIS SITE CONSISTS OF 1.9864 AC. AND IS CURRENTLY UNDEVELOPED WITH NATIVE VEGETATION. THE SITE DRAINS TO THE WEST AT APPROXIMATELY 4%. THIS FLOW ENTERS PAISANO STREET WHERE IT ENTERS A 4' VALLEY GUTTER AT THE NW CORNER OF THE SITE. THIS FLOW CROSSES PAISANO STREET AND CONTINUES WEST IN A 6' VALLEY GUTTER, WHICH IS IN A 10' PUBLIC DRAINAGE EASEMENT, WHICH DISCHARGES TO A NEW MEXICO STATE HIGHWAY DEPARTMENT BOX CULVERT.

PER THE DRAINAGE REPORT FOR THE MOTEL WHICH THIS 6' VALLEY GUTTER CROSSES FREE DISCHARGE FOR THE DEVELOPED UPSTREAM PROPERTIES IS ALLOWED. (APPENDIX "A"). ✓

THIS SITE HAS AN OFFSITE AREA OF 3.87 ACRES WHICH DRAINS THROUGH IT. THIS AREA WILL BE ALLOWED TO CROSS THE EAST PROPERTY LINE UNENCUMBERED.

PROPOSED CONDITIONS - ON SITE

SITE = 1.9864 AC

TYPE D = 76.04 %

TYPE B = 23.94 %

$P_1 = 2.10 \text{ in}$

$P_6 = 2.60 \text{ in}$

$P_{24} = 3.25 \text{ in}$

DT = 0.03333 HR

TP = 0.1333 HR

FROM HYMO OUTPUT (SHEETS 3-5)

$Q = 8.67 \text{ CFS}$

$V = 0.3315 \text{ AC-FT}$

$$Q = (1.39)(5.61)(2) = 15.4 \text{ CFS}$$

UNDEV

$$Q_{0.5} = ?$$

• OFFSITE

A = 3.87 AC UNDEVELOPED TYPE A = 100%

FROM HYMO OUTPUT (SHEETS 6-8)

$Q = 7.15 \text{ CFS}$

$V = 0.2074 \text{ AC-FT}$

THIS Q WILL SHEET FLOW ACROSS THE EAST PROPERTY LINE AND THEN INTO THE PARKING LOT.

BT RT TIME=0.0
***** HYDROGRAPH FOR SUPER 8 MOTEL
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.10 IN RAIN SIX=2.60 IN
RAIN DAY=3.25 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.003100 SQ MI
PER A=00.00 B=18.345 C=0000000 D=81.655
TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD ID=1 CODE=1
FINISH

4

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
 RUN DATE (MON/DAY/YR) = 08/23/1994
 START TIME (HR:MIN:SEC) = 07:49:52 USER NO.= M_GOODWN.I01
 INPUT FILE = SUPER8.DAT

START TIME=0.0

***** HYDROGRAPH FOR SUPER 8 MOTEL

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
 RAIN ONE=2.10 IN RAIN SIX=2.60 IN
 RAIN DAY=3.25 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	.0033	.0066	.0100	.0135	.0171	.0207
.0244	.0282	.0321	.0361	.0402	.0444	.0488
.0532	.0578	.0625	.0673	.0723	.0775	.0829
.0884	.0942	.1001	.1063	.1128	.1196	.1267
.1342	.1420	.1503	.1561	.1623	.1690	.1832
.2150	.2641	.3345	.4307	.5570	.7181	.9187
1.1636	1.3908	1.4857	1.5658	1.6371	1.7019	1.7616
1.8171	1.8688	1.9174	1.9631	2.0062	2.0469	2.0854
2.1219	2.1565	2.1894	2.2206	2.2502	2.2578	2.2649
2.2717	2.2782	2.2845	2.2905	2.2963	2.3019	2.3074
2.3127	2.3178	2.3228	2.3276	2.3324	2.3370	2.3415
2.3459	2.3502	2.3544	2.3585	2.3626	2.3666	2.3705
2.3743	2.3780	2.3817	2.3854	2.3889	2.3924	2.3959
2.3993	2.4027	2.4060	2.4092	2.4125	2.4156	2.4188
2.4218	2.4249	2.4279	2.4309	2.4338	2.4367	2.4396
2.4424	2.4452	2.4480	2.4508	2.4535	2.4562	2.4588
2.4615	2.4641	2.4666	2.4692	2.4717	2.4742	2.4767
2.4792	2.4816	2.4840	2.4864	2.4888	2.4912	2.4935
2.4958	2.4981	2.5004	2.5027	2.5049	2.5071	2.5093
2.5115	2.5137	2.5159	2.5180	2.5201	2.5222	2.5243
2.5264	2.5285	2.5305	2.5326	2.5346	2.5366	2.5386
2.5406	2.5426	2.5445	2.5465	2.5484	2.5503	2.5523
2.5542	2.5560	2.5579	2.5598	2.5616	2.5635	2.5653
2.5671	2.5690	2.5708	2.5725	2.5743	2.5761	2.5779
2.5796	2.5814	2.5831	2.5848	2.5865	2.5883	2.5900
2.5916	2.5933	2.5950	2.5967	2.5983	2.6000	

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.003100 SQ MI
 PER A=00.00 B=18.345 C=0000000 D=81.655
 TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE
 CONSTANT, N = 7.106420
 UNIT PEAK = 9.9937 CFS UNIT VOLUME = .9982 B = 526.28
 P60 = 2.1000
 AREA = .002531 SQ MI IA = .10000 INCHES INF = .04000 I

INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
= .033330

5

K = .133173HR TP = .133300HR K/TP RATIO = .999050 SHAPE
CONSTANT, N = 3.533693
UNIT PEAK = 1.3771 CFS UNIT VOLUME = .9905 B = 322.78
P60 = 2.1000
AREA = .000569 SQ MI IA = .50000 INCHES INF = 1.25000 I
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 = 2.08584 INCHES = .3449 ACRE-FEET
PEAK DISCHARGE RATE = 8.93 CFS AT 1.500 HOURS BASIN AREA =
.0031 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 07:50:00

6

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START          TIME=0.0
***** HYDROGRAPH FOR SUPER 8 MOTEL OFFSITE FLOWS
RAINFALL      TYPE=1 RAIN QUARTER=0.0 IN
              RAIN ONE=2.10 IN RAIN SIX=2.60 IN
              RAIN DAY=3.25 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.006050 SQ MI
              PER A=00.00 B=10.000 C=00000000 D=90.000
              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) = 09/21/1994
 START TIME (HR:MIN:SEC) = 11:59:03 USER NO.= M_GOODWN.I01
 INPUT FILE = SUP8OFF.DAT

START TIME=0.0

***** HYDROGRAPH FOR SUPER 8 MOTEL OFFSITE FLOWS

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.10 IN RAIN SIX=2.60 IN

RAIN DAY=3.25 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	.0033	.0066	.0100	.0135	.0171	.0207	
.0244	.0282	.0321	.0361	.0402	.0444	.0488	
.0532	.0578	.0625	.0673	.0723	.0775	.0829	
.0884	.0942	.1001	.1063	.1128	.1196	.1267	
.1342	.1420	.1503	.1561	.1623	.1690	.1832	
.2150	.2641	.3345	.4307	.5570	.7181	.9187	
1.1636	1.3908	1.4857	1.5658	1.6371	1.7019	1.7616	
1.8171	1.8688	1.9174	1.9631	2.0062	2.0469	2.0854	
2.1219	2.1565	2.1894	2.2206	2.2502	2.2578	2.2649	
2.2717	2.2782	2.2845	2.2905	2.2963	2.3019	2.3074	
2.3127	2.3178	2.3228	2.3276	2.3324	2.3370	2.3415	
2.3459	2.3502	2.3544	2.3585	2.3626	2.3666	2.3705	
2.3743	2.3780	2.3817	2.3854	2.3889	2.3924	2.3959	
2.3993	2.4027	2.4060	2.4092	2.4125	2.4156	2.4188	
2.4218	2.4249	2.4279	2.4309	2.4338	2.4367	2.4396	
2.4424	2.4452	2.4480	2.4508	2.4535	2.4562	2.4588	
2.4615	2.4641	2.4666	2.4692	2.4717	2.4742	2.4767	
2.4792	2.4816	2.4840	2.4864	2.4888	2.4912	2.4935	
2.4958	2.4981	2.5004	2.5027	2.5049	2.5071	2.5093	
2.5115	2.5137	2.5159	2.5180	2.5201	2.5222	2.5243	
2.5264	2.5285	2.5305	2.5326	2.5346	2.5366	2.5386	
2.5406	2.5426	2.5445	2.5465	2.5484	2.5503	2.5523	
2.5542	2.5560	2.5579	2.5598	2.5616	2.5635	2.5653	
2.5671	2.5690	2.5708	2.5725	2.5743	2.5761	2.5779	
2.5796	2.5814	2.5831	2.5848	2.5865	2.5883	2.5900	
2.5916	2.5933	2.5950	2.5967	2.5983	2.6000		

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.006050 SQ MI

PER A=00.00 B=10.000 C=0000000 D=90.000

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE
 CONSTANT, N = 7.106420
 UNIT PEAK = 21.497 CFS UNIT VOLUME = .9988 B = 526.25
 P60 = 2.1000
 AREA = .005445 SQ MI IA = .10000 INCHES INF = .04000



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 3, 1994

Mr. Elvidio Diniz, P.E.
Resource Technology, Inc.
2129 Osuna Road, Suite 200
Albuquerque, NM 87113

RE: RESUBMITTAL FOR PROPOSED MOTEL ON PAISANO ST. (K-22/D22F) ENGINEER'S
STAMP DATED 4/29/94

Dear Mr. Diniz:

Based upon your 5/2/94 resubmittal, the referenced project is approved for Building Permit. Please be advised that prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist.

If I can be of further assistance, feel free to contact me at 768-3622.

Cordially,

Scott Davis
PWD, Hydrology Division

(WP+8473)

c: Andrew Garcia
File

