



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 11, 2001

Mark Goodwin, P.E.
Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: GARDUNO'S @ BALLOON FIESTA PARK (B-17/D1D)
(at the Balloon Fiesta Park)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 7/26/2001 Rev. 8/27/2001
ENGINEERS CERTIFICATION DATED 11/28/2001

Dear Mr. Goodwin:

Based upon the information provided in your Engineers Certification submittal dated 11/29/2001, the above referenced site is approved for a Permanent Certificate of Occupancy.

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin
Teresa A. Martin
Hydrology Plan Checker
Public Works Department
BWB

C: Vickie Chavez, COA
drainage file
approval file

HYDROLOGY SECTION
NOV 2 2001

HYDROLOGY NOTES

THIS PLAN FOLLOWS THE "GOLF CENTER AT BALLOON FIESTA", MASTER DRAINAGE PLAN BY BOHANNAN-HUSTON. NORTH LA CUEVA CHANNEL IS JUST SOUTH OF THE ROAD THAT IS SOUTH OF THE GARDUNO'S BUILDING.

CURRENTLY, THERE IS AN EXISTING BUILDING, AND THE SITE DRAINS TO THE ROAD. THE ROAD CURVES NORTHWESTERLY. ON THE WEST SIDE OF THE ROAD, THE BERM BETWEEN THE CHANNEL AND THE ROAD FLATTENS SO WATER CAN FREELY SHEET FLOW FROM THE ROAD INTO THE CHANNEL.

THE PROPOSED CHANGES ARE 3 SMALL ADDITIONS TO THE BUILDING, CONCRETE PAVING AND PATIO WHERE THERE WAS GRAVEL PREVIOUSLY.

PLEASE SEE THE AHYMO RUN BELOW. THE CHANGES ARE INCREASING THE FLOW FROM 2.63 cfs TO 3.27 cfs WHICH IS INSIGNIFICANT. THIS FLOW IS ALSO DISCHARGING TO NORTH LA CUEVA CHANNEL THAT IS A SHORT DISTANCE AWAY.

START ***** TIME=0.0
***** GARDUNO'S AT BALLOON FIESTA
***** FILE: C:\HYMO\GARDST.DAT AUGUST 2001 BY:AHY
***** 100-YEAR 6-HOUR STORM EVENT
RAINFALL TYPE=1 RAIN QUANT=0.0 IN
RAIN ONE=2.05 IN RAIN SIX=2.40 IN
RAIN DRY=2.7 IN DT=0.033333 HR
***** EXISTING CONDITIONS

COMPUTE RM HYD ID=1 HYD NO=100.00 AREA=0.0011 SQ MI
PER A=0.00 PER B=0.08 PER C=0.56 PER D=0.36
TM=0.1333 HR HOSS RAINFALL=1
D=1 CODE=1
***** DEVELOPED CONDITIONS

COMPUTE RM HYD ID=2 HYD NO=200.00 AREA=0.0011 SQ MI
PER A=0.00 PER B=0.07 PER C=0.00 PER D=0.93
TM=0.1333 HR HOSS RAINFALL=1
D=2 CODE=1

PRINT HYD *****
FINISH *****

ARTIS SUMMARY TABLE (AHYMO194) - AMAPCA Hydrologic Model - January, 1994

COMPOND	HYDROGRAPH	ID	NO.	AREA	DISCHARGE	PEAK	RUNOFF	TIME TO	CFS	PAGE
	IDENTIFICATION			(SQ MI)	(CFS)	(INCHES)	(AC-FT)	PEAK	PER	1
START	RAINFALL TYPE=1									TIME=
COMPUTE RM HYD	100.00	-	1	.00110	2.63	.088	1.49403	1.500	3.741	2.400
COMPUTE RM HYD	200.00	-	2	.00110	3.27	.121	2.07039	1.500	4.650	36.00
FINISH										93.00

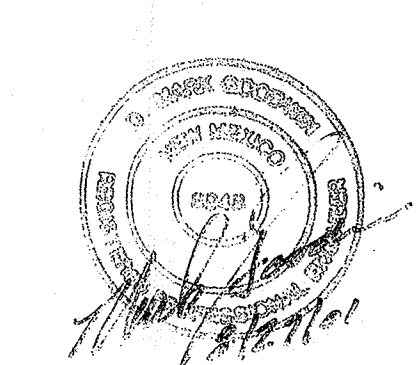
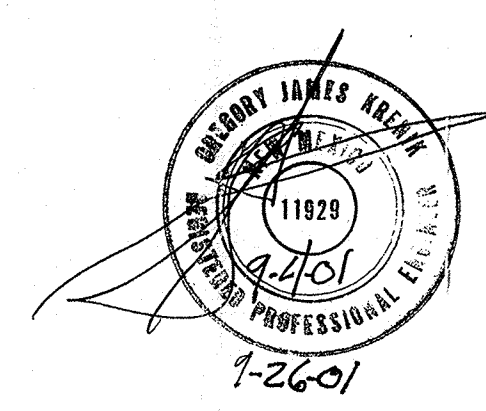
VICINITY MAP ZONE MAP: B-17

LEGAL DESCRIPTION

BALLOON FIESTA PARK, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

LEGEND

- EXISTING TOP OF CURB ELEVATION
- EXISTING FLOW LINE ELEVATION
- EXISTING SPOT ELEVATION
- EXISTING LOT LIGHT
- EXISTING STREET LIGHT
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED FLOW LINE ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED SWALE
- PROPOSED FLOW PERCENT
- PROPOSED BLOCK WALL
- DRAINAGE BASIN LINE
- NEW CONCRETE
- NEW 4"-6" RIP-RAP



I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, S & J Enterprises, and by the surveyor, Jake Arguilles Jr. Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin
NMPE 8948



SCALE: 1" = 20'

GARDUNO'S-BALLOON FIESTA PARK GRADING & DRAINAGE PLAN

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: ALD Drawn: DER Checked: DMG Sheet 1 of 1
Scale: 1" = 20' Date: 08/25/01 Job: A01090

EARTHEN SWALE DETAIL

N.T.S.