



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 23, 1992

Glenn Fellows
Stevens, Mallory, Pearl & Campbell
115 Amherst, SE
Albuquerque, New Mexico

RE: DRAINAGE PLAN FOR AN ADDITION TO RAMADA CLASSIC HOTEL CLASSIC
CAR DISPLAY (H-19/D3) ARCHITECTS STAMP DATED JULY 6, 1992

Dear Mr. Fellows:

Based on the information provided on your submittal of July 8, 1992, the above referenced plan is approved for Building Permit.

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

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

xc: Alan Martinez

BJM/bjf
(WP+3478)

PUBLIC WORKS DEPARTMENT

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Ramada Classic Hotel
Clunni Car Display ZONE ATLAS/DRNG. FILE #: H-19/D3
 DRB #: _____ EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: Lot 14 Block 142 Broad Acres
 CITY ADDRESS: 6815 Menaul Blvd. NE.
 ENGINEERING FIRM: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 OWNER: Ramada Classic Hotel CONTACT: _____
 ADDRESS: 6815 Menaul NE APO PHONE: _____
 ARCHITECT: Stevens Mallory Peat & Campbell CONTACT: Glenn Fellows
 ADDRESS: 115 Amherst SE APO PHONE: 255 8668
 SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: S & J Enterprises, Inc. CONTACT: Mike Burney
 ADDRESS: 3535 Princeton NE PHONE: 884-6234

TYPE OF SUBMITTAL:

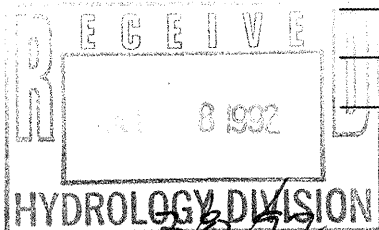
- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

PRE-DESIGN MEETING:

- ☐ YES
☐ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

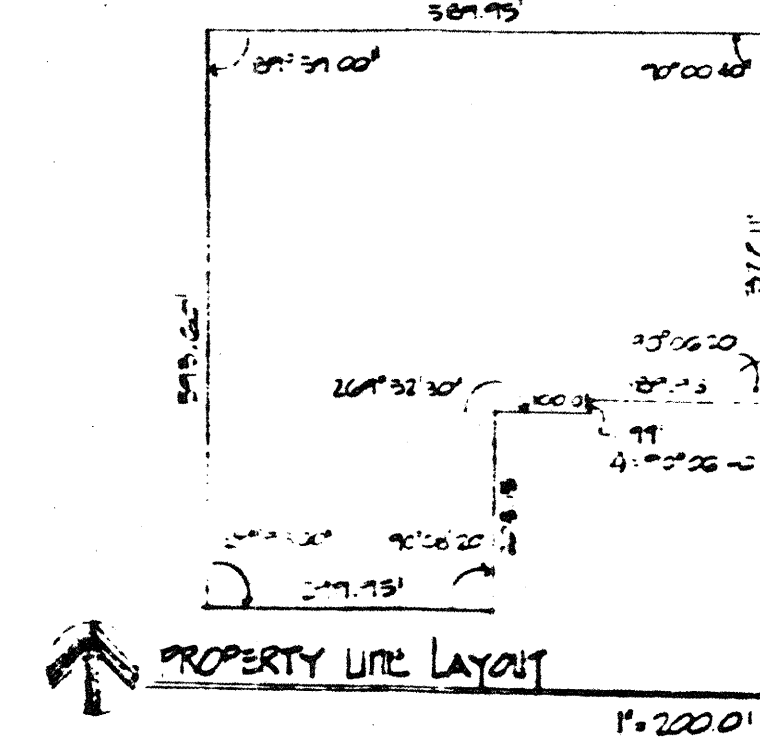
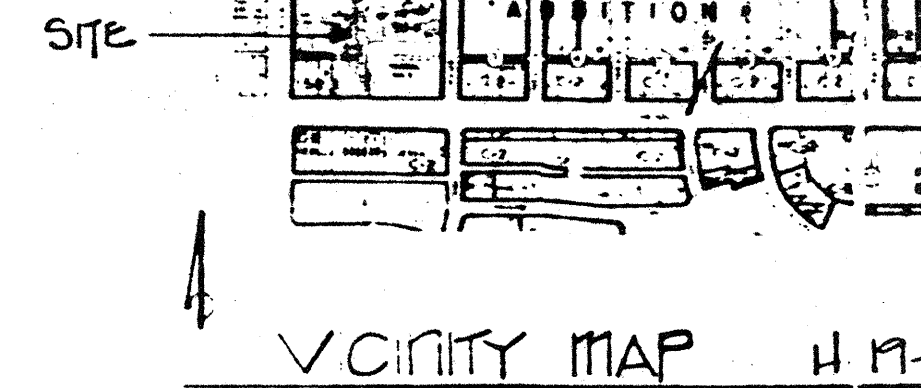
- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)



DATE SUBMITTED: _____

BY: _____

LEGAL DESCRIPTION:
 PARCELS ONE (1) AND TWO (2)
 COMPRISING A REPLAT OF
 PORTION OF BLOCK ONE (1)
 AND ALL OF BLOCK TWO (2)
 (TOGETHER WITH PORTION OF
 VACATED ALCAZAR STREET
 1E.) BROAD ACRES SUB-
 DIVISION, ALBUQUERQUE,
 NEW MEXICO.



DRAINAGE CHARACTERISTICS SUMMARY

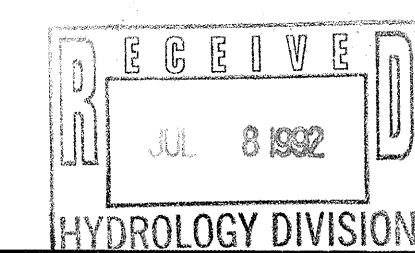
Drainage Characteristics Summary - (100-4 hr. Storm)
 Official Flood: There are no official flood affecting the site. They are intercepted at the north and east by Phoenix Avenue and Chama St., respectively.
 Grantee Flood: The site runoff is divided into four basins as outlined on the plan. The Soil Series is Salinas - Tlaxcala Complex (from the Soil Conservation Service's Soil Survey of Bernalillo County) and falls in Hydrologic Soil Group B. The rainfall volume is 2.3 in.
 Area 1: This area includes 9208 Sq. Ft. (2.113 ac) the north west portion of the parking lot, a portion of the building, and some landscaped area. The area breakdown is as follows:
 Surface Area (S.F.)
 Roof 3286
 Paved 5298
 Landscaped 6184
 Total 9208
 The area is 92 impervious. The "C" Factor is .49 (Plate C-1). The concentration time is 10 min. (Minimum P 22.2-4). The intensity is $2.2 \times 2.3 = 5.06$ in/hr (Plate B-2). The runoff flow is $Q = .49 \times 5.06 \times 2.113 = 5.31$ CFS. The runoff Volume is $V = .49 \times 2.3 \times 9208 = 1048$ Cu. Ft.
 The runoff flows toward the west to a drop inlet at a gravel drain. The portion not absorbed by the drain continues west where it flows over the curb gutter and sideways into Louisiana Blvd. From here it flows south approximately 100 ft. where it is intercepted by a drop inlet which is part of the city storm sewer system.
 Area 2: This area includes 9900 Sq. Ft. (2.293 ac) of buildings, roof, and landscaped area of the north east portion of the property. The area breakdown is as follows:
 Surface Area (S.F.)
 Roof 9530
 Paved 81303
 Landscaped 9959
 Total 99900
 The area is 912 impervious. The "C" Factor is .47 (Plate C-1). The concentration time is 10 min. (Minimum P 22.2-4). The intensity is $2.2 \times 2.3 = 5.06$ in/hr (Plate B-2). The runoff flow is $Q = .47 \times 5.06 \times 2.293 = 10.09$ CFS. The runoff Volume is $V = .47 \times 2.3 \times 99900 = 10458$ Cu. Ft.
 A portion of the runoff is collected in a gravel drain in the parking lot. The remainder is routed toward the south east where it enters Area 3. It flows south across Area 3 and is intercepted at the south property line by a drop inlet which is connected to the city storm sewer system.
 Area 3: This area includes 73691 Sq. Ft. (1.77 ac) of building, paving, and landscaped area as outlined on the plan. The area breakdown is as follows:
 Surface Area (S.F.)
 Roof 2318
 Paved 27315
 Landscaped 40528
 Total 73691
 The area is 882 impervious. The "C" Factor is .46 (Plate C-1). The concentration time is 10 min. (Minimum P 22.2-4). The intensity is $2.2 \times 2.3 = 5.06$ in/hr (Plate B-2). The runoff flow is $Q = .46 \times 5.06 \times 1.77 = 4.15$ CFS. The runoff Volume is $V = .46 \times 2.3 \times 73691 = 7823$ Cu. Ft.
 Approximately 30% of this runoff is intercepted by the drop inlet at the south property line along with the runoff from Area 2. The remainder flows into a drop inlet in the parking area which is connected to the city's storm drain system.
 Area 4: This area includes 76523 Sq. Ft. (1.757 ac) of building, paving, and landscaped area as outlined on the plan. The area breakdown is as follows:
 Surface Area (S.F.)
 Roof 11,016
 Paved 27,315
 Landscaped 38,192
 Total 76,523
 The area is 822 impervious. The "C" Factor is .46 (Plate C-1). The concentration time is 10 min. (Minimum P 22.2-4). The intensity is $2.2 \times 2.3 = 5.06$ in/hr (Plate B-2). The runoff flow is $Q = .46 \times 5.06 \times 1.757 = 4.15$ CFS. The runoff Volume is $V = .46 \times 2.3 \times 76523 = 8052$ Cu. Ft.
 This runoff flows toward the south and west. Approximately half is intercepted by a drop inlet in the landscaped area along the west side. From here it is conveyed into the city storm sewer system. The remainder flows across this landscaped area into the Louisiana Blvd. curb and gutter from where it flows into a drop inlet at the south east corner of the property.

LEGEND

- TOU - TOP OF CURB
- TC - TOP OF CURB OR CONCRETE
- POJ - EACH OF SIDEWALK
- LV - WATER VALVE
- TM - TAP
- WM - WATER METER
- INV - INVERT
- E.A. - EDGE OF ASPHALT
- PC - POINT OF CURVE
- P.H. - FIRE HYDRANT
- P.F. - FINISHED FLOOR
- DRAINAGE AREAS
- EXISTING CONTOURS
- SPOT ELEVATIONS
- 4'-6" PLANTERS w/ B.C.R.D.
- 4'-0" PLANTERS TO SIDEWALK w/ 5' CURB
- CITY BENCHMARK G.H.-8 ELEV 5301.335 & NW CORNER LOUISIANA AND MENAUL BLVD.
- LANDSCAPED AREAS
- CONCRETE WALKS

STEVENS MALLORY PEARL & CAMPBELL, P.A.
 ARCHITECTS 115 AMHERST S.E. ALBUQUERQUE, NEW MEXICO 87108

RAMADA HOTEL CLASSIC
 SHOWCASE ADDITION
 6815 MENAUL BLVD., N.E.
 ALBUQUERQUE, NEW MEXICO



9/6/92

C1