HYDROLOGY

M16/D9

THREE PLANS

MOTEL & RESTAURANT

AT NORTHEAST CORNER

YALE & ALAMO S.E.

M16-D9

3 PLANS

NOTE: THE PARKING LOT ON NORTH SIDE OF BLDG DRAINS INTO YALE BLVD

Scale 1"=20'

Hotel Canopy

Handicap Ramp

TRASH BIN

Exist Contour

Existing Pavement

Ret. Wall

EXIST. 3.5' SIDEWALK

{Flow direction per Existing Conditions}

ROOF DRAIN

EXISTING SIDEWALK (6' WIDE)

Existing Pavement

FINISH FLOOR EL = 5205.00

NOTE ROOF DRAIN TO THE SOUTH

Roof Line

PLANTER

Ret. WALL

EXIST PLANTER

Property Line

UNDERFLOWED

Existing C.I.G. and Sidewalk

2340 - YALE BLVD

LEGAL

Lot 'A' REPLAT OF LOTS 1A & 1B BLOCK 2 AIRPORT INDUSTRIAL PARK

CITY ZONE ATLAS No M-16-Z

GIBSON BLVD

Projectsite 2340 YALE

YALE BLVD

ALAMO AVE.

VICINITY MAP

BENCH MARK
A FOUND CHISELED CROSS SET BY THE WILSON CO AND CONFIRMED IN THE FIELD BY A&E ENGINEERING INC. ELEVATION - 5204.18'

BLDG WALL

4" CONC SIDEWALK

RETAINING WALL

STEEL COVER

F.F.L.

ROOF DRAIN PIPE

9"x9" RAIN GUTTER WITH STELL WIRE COVER

RAIN GUTTER DETAIL
SECTION B-B
SCALE 3/4" = 1'

M16/89

REVISED DEC. 22 1981

A & E ENGINEERING INC. 266-8791

Village Inn

GRADING & DRAINAGE PLAN

PARKING LOT Asphalt

SECTION A-A
SCALE 1" = 3'

LEGEND

FS · FINISH SURFACE
T.W TOP SIDEWALK
T.C. TOP of CURB
——05—— FINISH Contours
- - - - 01 - - EXISTING Contours
→ FLOW DIRECTION

DESIGN BY - T. McGinnis
DRAWN BY - J. ESQUIBEL

Plan Shot
IN two
Sections

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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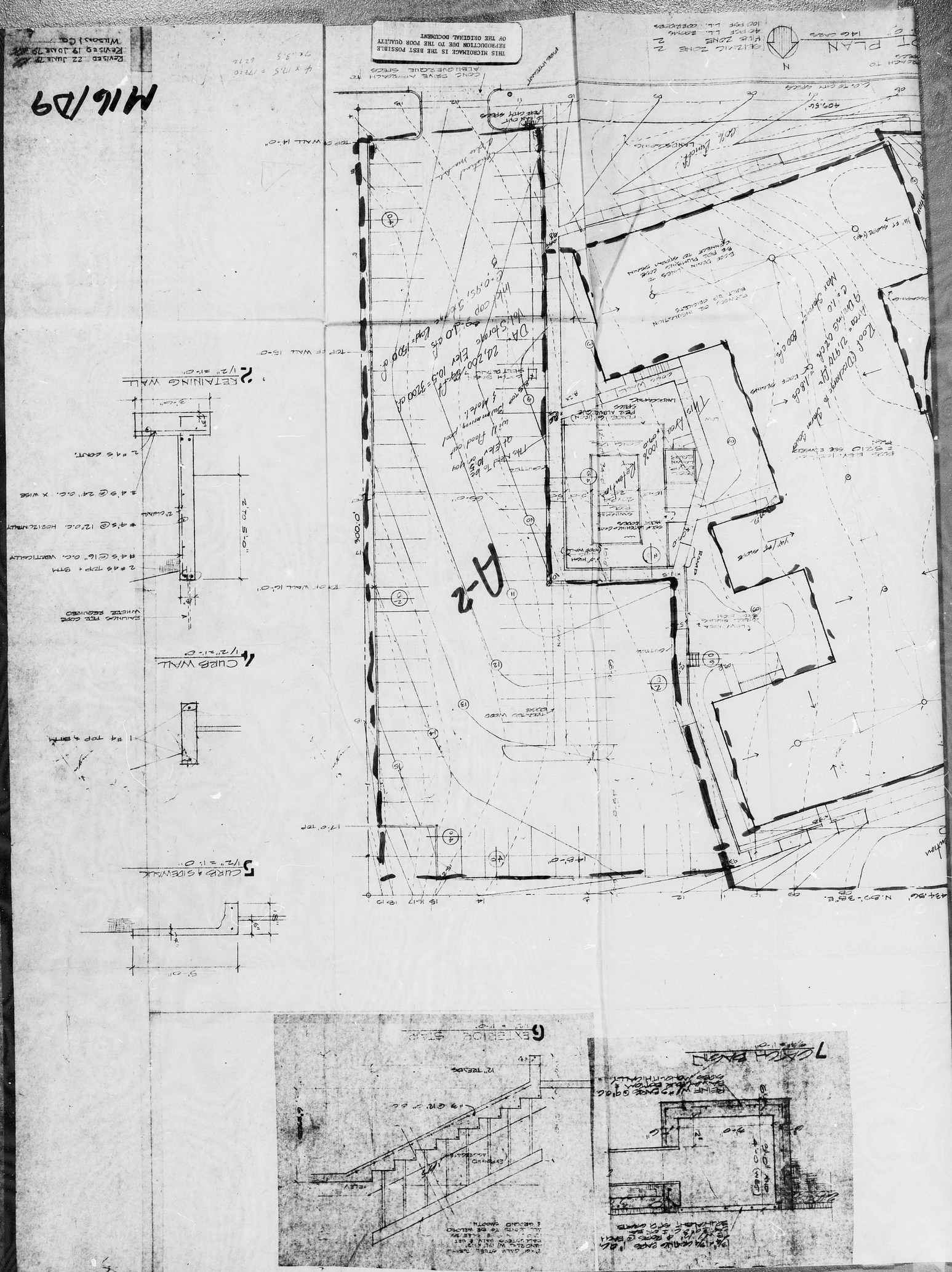
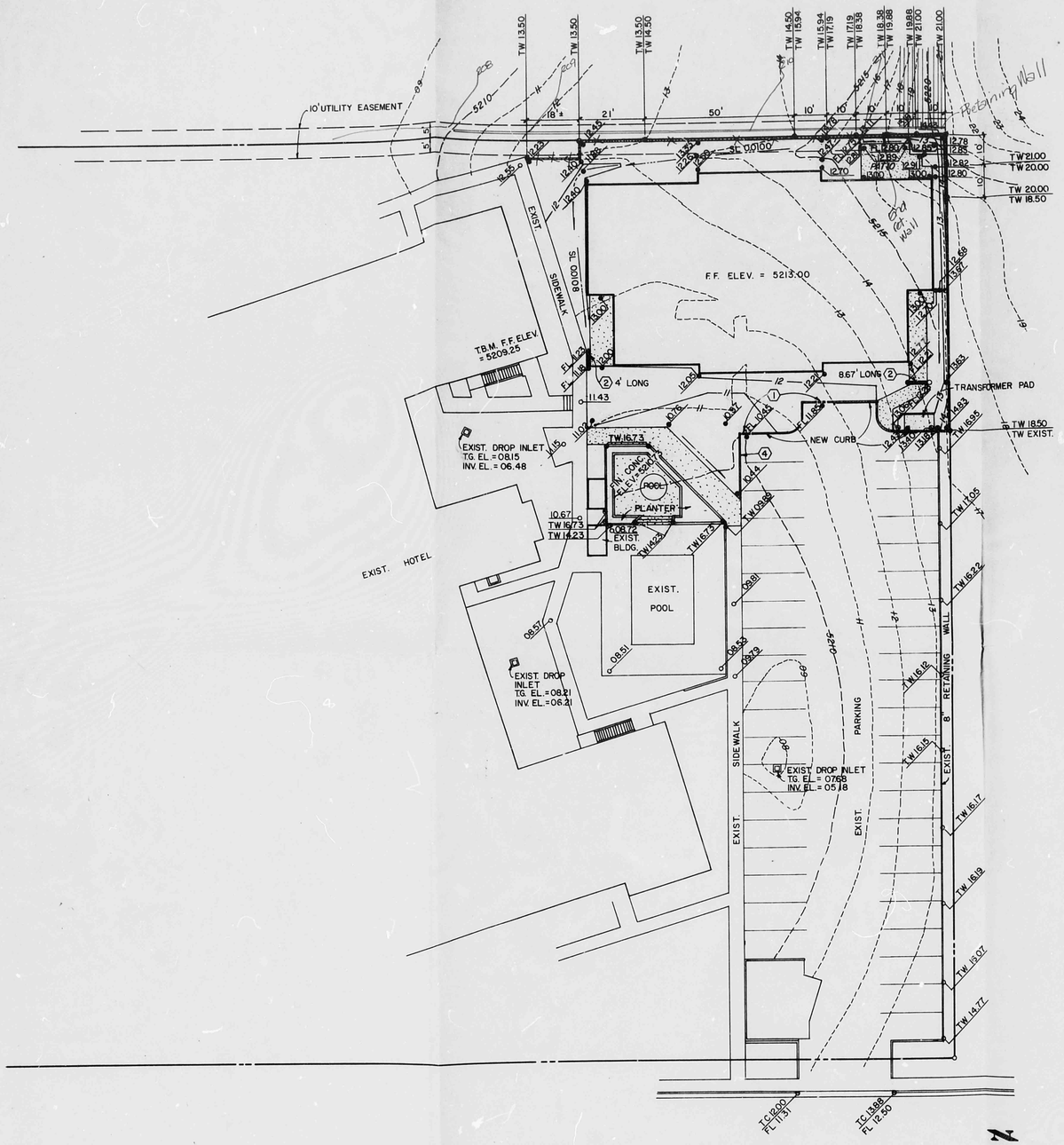
A-1


A-2
M16/D9
Revised 22 June 79
Revised 19 June 79
Wilson & Co.
CURB & SIDEWALK
1/2" = 1'-0"
CURB WALL
1/2" = 1'-0"
RETAINING WALL
1/2" = 1'-0"
EXTERIOR STAIR
SITE PLAN
Roof Drainage to Storm Sewer
Max Storage 800 cfs
Lobby
Lounge
Kitchen
Laundry
Swimming Pool
Tennis Court
Landscaping
Parking
Curb & Gutter
Top of Wall 14'-0"
Top of Wall 15'-0"
Top of Wall 16'-0"
Top of Wall 17'-0" TOP
Finish Grade
Existing Grade
Curb Cut
Concrete Walk
Trash Enclosure
Vehicular Entrance
Pedestrian Entrance
Exterior Stair
Retaining Wall
Curb & Sidewalk
Storm Drain
Lot Line
Building Setback
Zoning
Existing Zone
Proposed Zone
Parking Spaces
Lot Area
Building Area
Floor Area Ratio
Open Space
Site Area
Max Height
Max Density
Dwelling Units
Bldg. Elev. Increase
Site Elev. Increase
Max Storage
Lot Coverage
Landscaping



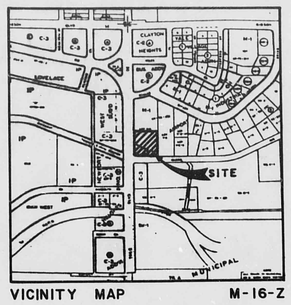
DRAINAGE PLAN

1" = 20'-0"

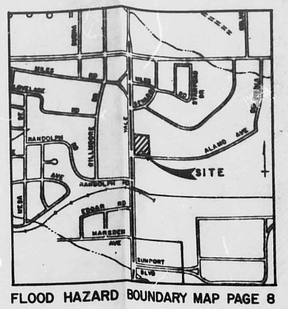
NOTES:

1. CONSTRUCT 3-6" CURB CUTS AT 1'-6" O.C.
2. CONSTRUCT 12" WIDE SIDEWALK CULVERT - AS PER CITY STANDARD DRAWING K-16-1.
3. TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN IS BASED ON A SURVEY PREPARED BY ROSS HALL COMPANY ON JULY 7, 1984.
4. CONSTRUCT 22' MOUNTABLE CURB - ROLL TYPE AS PER CITY STANDARD DRAWING P-8-3.

TEMPORARY BENCH MARK (T.B.M.) - N.E. FINISH FLOOR ELEVATION OF THE EXISTING HOTEL BUILDING, ELEV. = 5209.25.



VICINITY MAP M-16-Z



FLOOD HAZARD BOUNDARY MAP PAGE 8

LEGEND

	EXISTING	NEW
BUILDING		
CURB		
CONC. WALK		
RETAINING WALL		
SPOT ELEVATION	°	•
CONTOUR		

M16/D9

DRAINAGE PLAN

AIRPORT BEST WESTERN INN — AUGUST 15, 1984

The proposed addition to the Airport Best Western Inn is located at the northeast corner of the intersection of Alamo Ave. and Yale Blvd., S.E. containing approximately 3.00 acres. The site is presently developed consisting of 0.61 acres of grass, 0.65 acres of roof, and 1.74 acres of parking. The parking slopes from east to west and is graded to detain the run-off which is discharged to the 60 inch storm sewer at the rate of 3 cubic feet per second. (See Drainage Report by Wilson and Company. Engineers and Architects, May 1979:79-507A). The proposed addition to the site consists of a two-story motel.

Off-site flows do not have any impact on the site due to the existing retaining wall on the east and the northeast corner of the site. The retaining wall will be extended to the property line around the north and east side of the building.

On-site flows will be decreased by the proposed development due to an increase in pervious area.

EXISTING ON-SITE CONDITIONS

Area = 3.00 acres

Use Tc = 10 min.

Total Rainfall = 2.4 in. Plate 22.2 D-1

I = 2.2 (Tc = 10 min.) Plate 22.2 D-2

i = 2.2 (2.4) = 5.28 in./hr.

C = 0.63 (Wilson and Co. Drainage Report - page 2 of calculations).

Q_{100} = 0.63 (5.28) (3) = 9.98 cfs

Q_{10} = 9.98 (0.657) = 6.56 cfs

CN = 98 Plate 22.2 C-2

Direct Run-off = 2.2 in. Plate 22.2 C-4

$V_{100} = \frac{2.2}{12}$ (3) (43560) = 23958 cu. ft.

V_{10} = 23958 (.657) = 15740 cu. ft.

PROPOSED ON-SITE CONDITIONS

Percent Impervious = $\frac{130680 - 28446}{130680}$ = 0.78

i = 5.28 in./hr.

C = 0.62 Plate 22.2 C-3

Q_{100} = 0.62 (5.28) (3) = 9.82 cfs

Q_{10} = 9.82 (0.657) = 6.45 cfs

CN = 97 Plate 22.2 C-2

Direct Run-off = 2.1 in. Plate 22.2 C-4

$V_{100} = \frac{2.1}{12}$ = (3) (43560) = 22869 cu. ft.

V_{10} = 22869 (0.657) = 15025 cu. ft.

NOTICE TO CONTRACTOR

1. New Mexico Standard Specifications for Public Works Construction-1979 Edition will be referred to hereon as the "Standard Specification".
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with Public Works Contract No. 84-2.
3. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

M16/D9

RECEIVED APR 30 1985 HYDROLOGY SECTION

Fanning / Bard Architects AIA
110 Amherst Drive SE
Albuquerque, New Mexico
87106 (505) 266-5874

VICTOR J. CHAVEZ — STATE OF NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 9/21/84

ROOMS ADDITION
AIRPORT BEST WESTERN INN
2400 Yale Blvd. S.E.
Albuquerque, New Mexico

GRADING & DRAINAGE PLAN

SHEET 1 OF 16