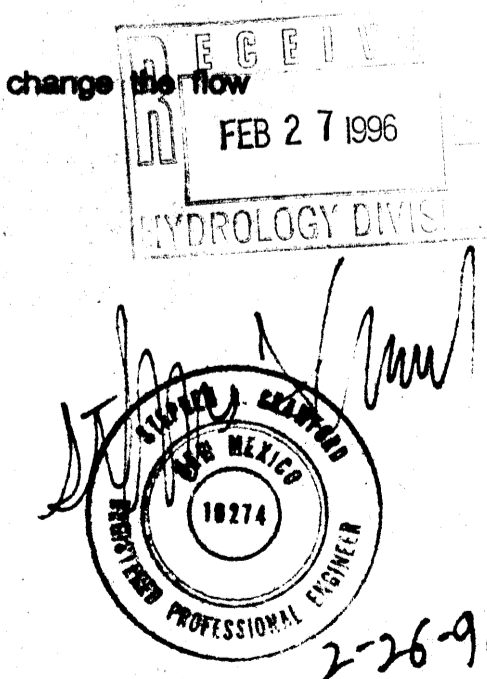


VICINITY MAP M-16-Z

NO SCALE

DRAINAGE PLAN

- I. SITE LOCATION:**
This site is located at the Best Western Airport Inn, on the north east corner of Yale Blvd. and Alamo Ave. (see vicinity map this sheet).
- II. PROPOSED PROJECT:**
The proposed project consists of a parking lot renovation for the parking lot on the west side of the Best Western Inn entailing repaving, minor relandscaping, minor realignment of the parking spaces, and minor regrading of the south westerly corner of the site.
- III. OFF-SITE DRAINAGE:**
There is no offsite drainage pertinent to this site.
- IV. EXISTING CONDITIONS:**
This site has two basins on the east side of the Best Western, the northerly parking area and the Village Inn (basin B-2) which discharge via surface flow to Yale Blvd. and the southern portion of the site (basin B-1) which drains into an existing grate inlet in the parking lot which discharge to the Alamo Ave. storm drain. The existing land treatments by observation and the recommendation of table A-5 in section 22.2 of the DPM, suggest D=90% and a remainder of C=10%. The Following calculations calculate the peak Q for the 100 year 6 hour storm:
- AREA**
B-1 = 1.15ac
B-2 = 0.22ac
- EXISTING PEAK DISCHARGE**
B-1, $Q_p = 4.7(1.035) + 3.14(0.115) = 5.23\text{cfs}$
B-2, $Q_p = 4.7(0.198) + 3.14(0.022) = 1.0\text{cfs}$
- V. PROPOSED CONDITIONS:**
Under proposed conditions the site will have two basins which will not change significantly change from existing conditions. The repaving, relandscaping, and realignment of the parking lot will result in the same land treatments and basin areas as found under existing conditions. The following calculations are for the peak Q in the 100 year 6 hour storm:
- PROPOSED PEAK DISCHARGE**
B-1, $Q_p = 4.7(1.035) + 3.14(0.115) = 5.23\text{cfs}$
B-2, $Q_p = 4.7(0.198) + 3.14(0.022) = 1.0\text{cfs}$
- VI. SUMMARY / CONCLUSION:**
The development of this site will not significantly change the flow characteristics or the discharges of the site.



Stephen L. Crawford, P.E.

TEMPORARY BENCH MARK:

NO. 5 REBAR WITH CAP ON THE NORTHWEST CORNER OF
OF YALE BLVD. AND ALAMO AVENUE
ELEVATION = 5204.94

LEGAL DESCRIPTION:

LOT A, BLOCK 2, OF AIRPORT INDUSTRIAL PARK

ADDRESS:

2400 YALE BOULEVARD S.E.

GENERAL NOTES:

- A) PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL AT 1-800-321-2537 FOR LOCATION AND BLUESTAKING OF EXISTING UTILITIES.
- B) CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC ROW OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- C) THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC ROW SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

KEYED NOTES:

- ① REMOVE EXIST CURBING
- ② INSTALL NEW CURB

LEGEND:

- B-1** = ON-SITE DRAINAGE BASIN LABEL
- = DRAINAGE BASIN BOUNDARY
- = EXISTING CONTOUR
- FG=11.0 = PROPOSED SPOT ELEVATION
- = WATER BLOCK
- = FLOW DIRECTION
- = ROOF FLOW DIRECTION
- FL = FLOWLINE
- TC = TOP OF CURB
- TCP = TOP OF CONCRETE PAVING
- FG = FINISH GRADE
- TBM = TEMPORARY BENCH MARK
- TSW = TOP OF SIDEWALK
- = REMOVE EXIST PAVING AND REPAVE TO NEW GRADES AS SHOWN

FEBRUARY 26, 1996

**BEST WESTERN
AIRPORT INN**
2400 YALE BOULEVARD SE.
ALBUQUERQUE, NEW MEXICO

CG.1

GRADING AND DRAINAGE PLAN