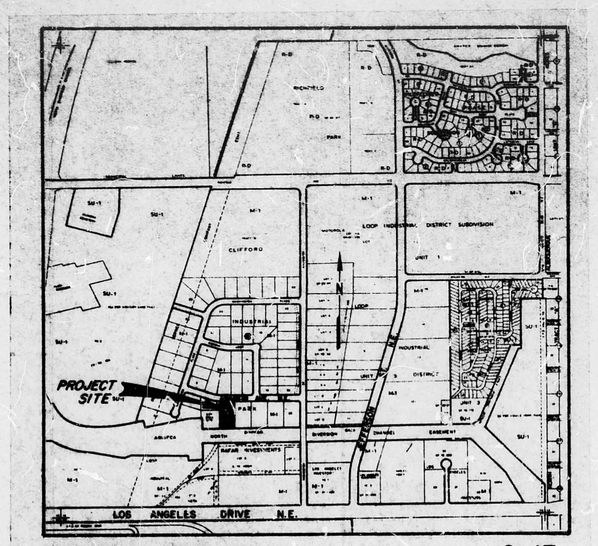
HYDROLOGY

C17/D1N
1 PLAN

C17/DIN

1 Plan



VICINITY MAP C 17

Scale : 1" = 800'

CALCULATIONS

DESIGN CRITERIA

SOIL TYPE-TIJERAS EMBUDO COMPLEX-TYPE 'B'
LOT SIZE=1.14 ACRES
P100=2.25" P10=1.48"
'C'(UNDEV.)=0.34 'C'(DEV.)=0.84
i=F6.84TC#-.51 TC=0.0078L*0.77/S*0.385
Q=CiA.....D.P.M. AND THE RATIONAL FORMULA

EXISTING CONDITION	DEVELOPED CONDITION
LENGTH = 400 Ft.	LENGTH = 400 Ft.
EL. DIFF. = 5 Ft.	EL. DIFF. = 5 Ft.
SLOPE = .0125 ft/ft	SLOPE = .0125 ft/ft
TIME OF CONCENTRATION = 10 Min.	TIME OF CONCENTRATION = 10 Min.
RUNOFF COEFF. = .34	RUNOFF COEFF. = .84
AREA = 1.14 Acres	AREA = 1.14 Acres
P100 = 2.25 Inches.	P100 = 2.25 Inches.
P10 = 1.4783 Inches.	P10 = 1.4783 Inches.
I100 = 4.756 Inches/Hr.	I100 = 4.756 Inches/Hr.
I10 = 3.1247 Inches/Hr.	I10 = 3.1247 Inches/Hr.
Q100 = 1.8434 c.f.s.	Q100 = 4.5543 c.f.s.
Q10 = 1.2111 c.f.s.	Q10 = 2.9922 c.f.s.
VOL100 = 3165.7 c.f.	VOL100 = 7821.2 c.f.
VOL10 = 2079.9 c.f.	VOL10 = 5138.5 c.f.

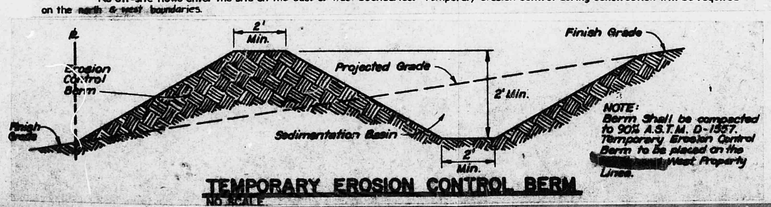
GRADING AND DRAINAGE PLAN

The grading and drainage plan shows 1) existing and proposed spot elevations and contours at 1'=0" intervals; 2) continuity between existing and proposed elevations; 3) proposed buildings and parking areas, and 4) drainage patterns.

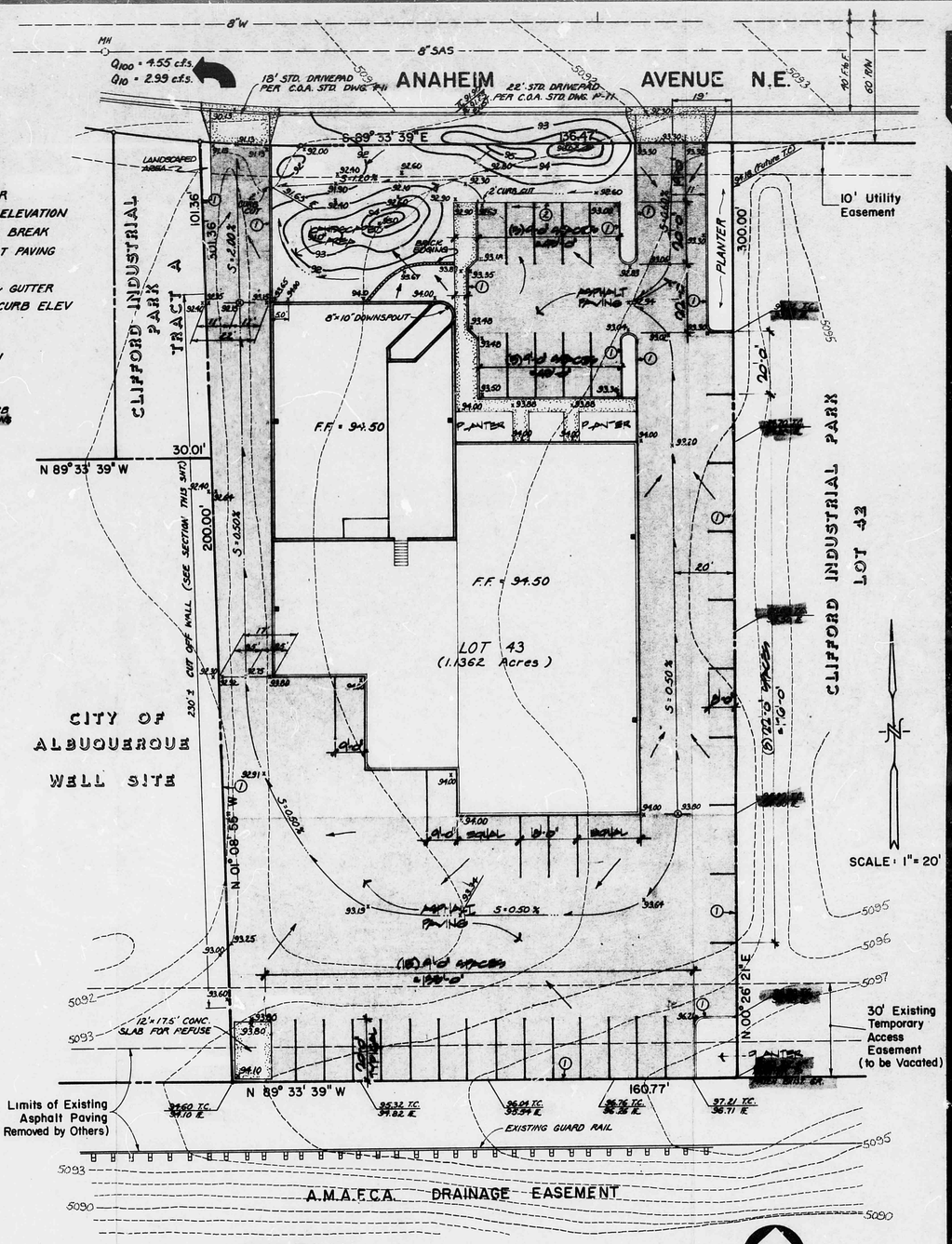
The proposed improvements are located on Anaheim Avenue N.E. approximately 0.5 miles west of Interstate 25. The site is more particularly described as Lot 43 of the Clifford Industrial Park.

The site does not lie within a designated flood hazard zone and is bounded on the east and west by undeveloped, platted lands, on the south by the Domingo de Baca Arroyo. In conformance with the drainage report for Clifford Industrial Park prepared by Bohannan - Huston, Inc. and the pre-design meeting with City Hydrology the site has been granted "free discharge" of all surface runoff.

No off-site flows enter the site on the east or west boundaries. Temporary erosion control during construction will be required on the north & west boundaries.



TEMPORARY EROSION CONTROL BERM
NO SCALE



SITE PLAN

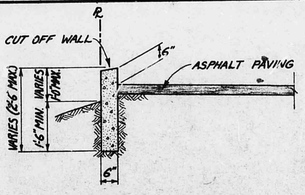
1" = 20'

NORTH

LEGAL DESCRIPTION: LOT 43 OF CLIFFORD INDUSTRIAL PARK.

PROPERTY ADDRESS: 4432 ANAHEIM AVE. N.E.

PROJECT BENCHMARK: A STANDARD ACS TABLET STAMPED "8-C17, 1975" CEMENTED IN A DRILL HOLE IN TOP OF CONCRETE CURB, LOCATED ON THE WEST SIDE OF WASHINGTON STREET NE, 0.3 MILES NORTH OF LOS ANGELES BLVD. NE. ELEV. = 5111.029 FEET (MSLD 1929)



CUT OFF WALL SECTION
NO SCALE

APPROVED FOR DRAINAGE
6-6-85
DATE
SIGNATURE TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

HOLMES SABATINI SMITH
215 GOLD AVENUE S.W.
ALBUQUERQUE, NEW MEXICO
505 247-3705 87102

NOTES

KEYED NOTES

1. Construct Header Curb per C.O.A. Std. Dwg. P-8
2. Construct Standard Curb & Gutter per C.O.A. Std. Dwg. P-8

GENERAL NOTES:

ROUGH GRADING OF BERMS NORTH OF BLDG. TO BE CONSTRUCTED BY GENERAL CONTRACTOR.

REVISIONS

EDWARD HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4300 BOHNN BOULD. BLVD. SE, SUITE 204
ALBUQUERQUE, NEW MEXICO 87108
PHONE (505) 265-1805

DESIGNED BY EHAI DATE 3/85
DRAWN BY SF FB
CHECKED BY EHAI JOB NO. 6344
APPROVED BY

ENGINEER ARCHITECT

RECEIVED
MAY 22 1985
HYDROLOGY SECTION

PROJECT NO. DATE 3/25/85

GRADING & DRAINAGE PLAN

SHEET CE-1 OF 2