



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 7, 1991

Victor Chavez, P.E.
Chavez-Grievess Consulting Engineers
4600-C Montgomery Boulevard, NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR MARKET & CAR WASH FOR EVEREADY
OIL COMPANY, PHASE II (E-19/D25C2) ENGINEER'S STAMP DATED
MAY 1, 1991

Dear Mr. Chavez:

Based on the information provided on your submittal of May 3, 1991, the above referenced plan is approved for Building Permit.

Please be advised that the building permit will not be released until:

1. A Letter of Commitment that the downstream facilities required to drain the upstream developments are in place prior to Certificate of Occupancy release or;
2. Letter of Contract has been issued for the construction of the rundown.

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/bsj
(WP+2610)

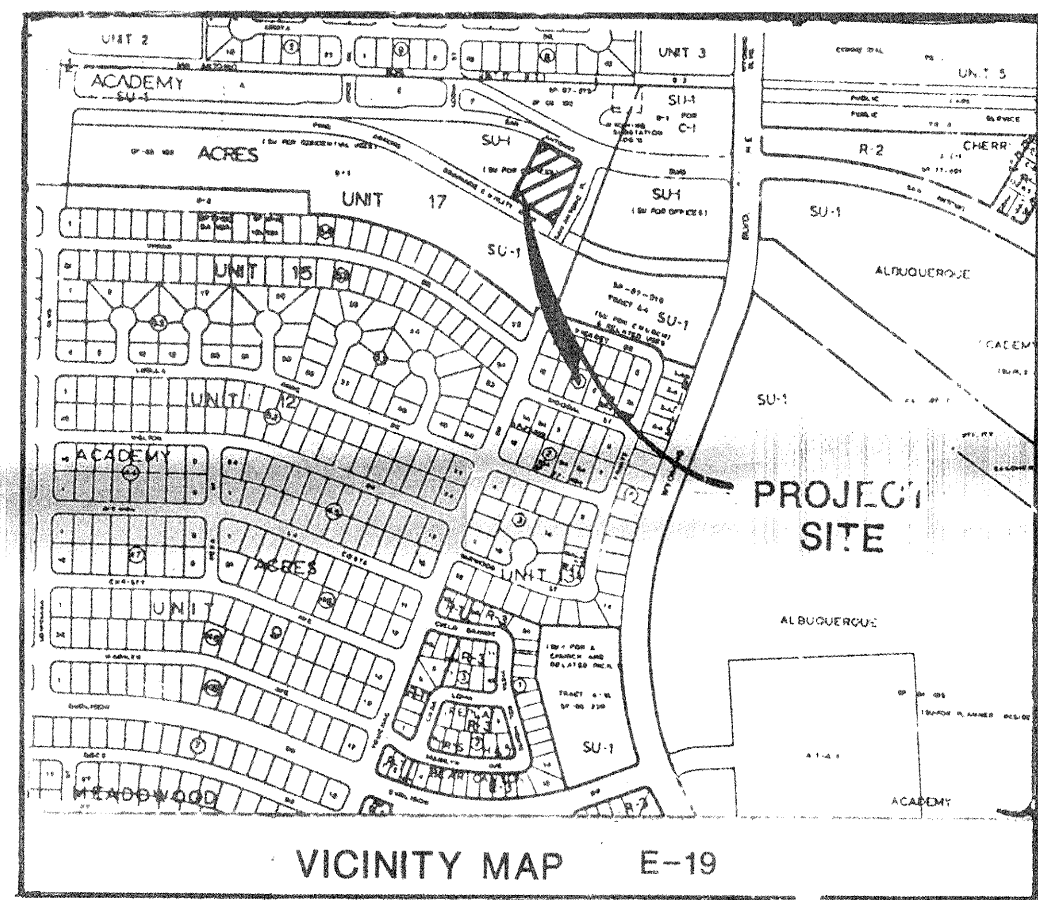
PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

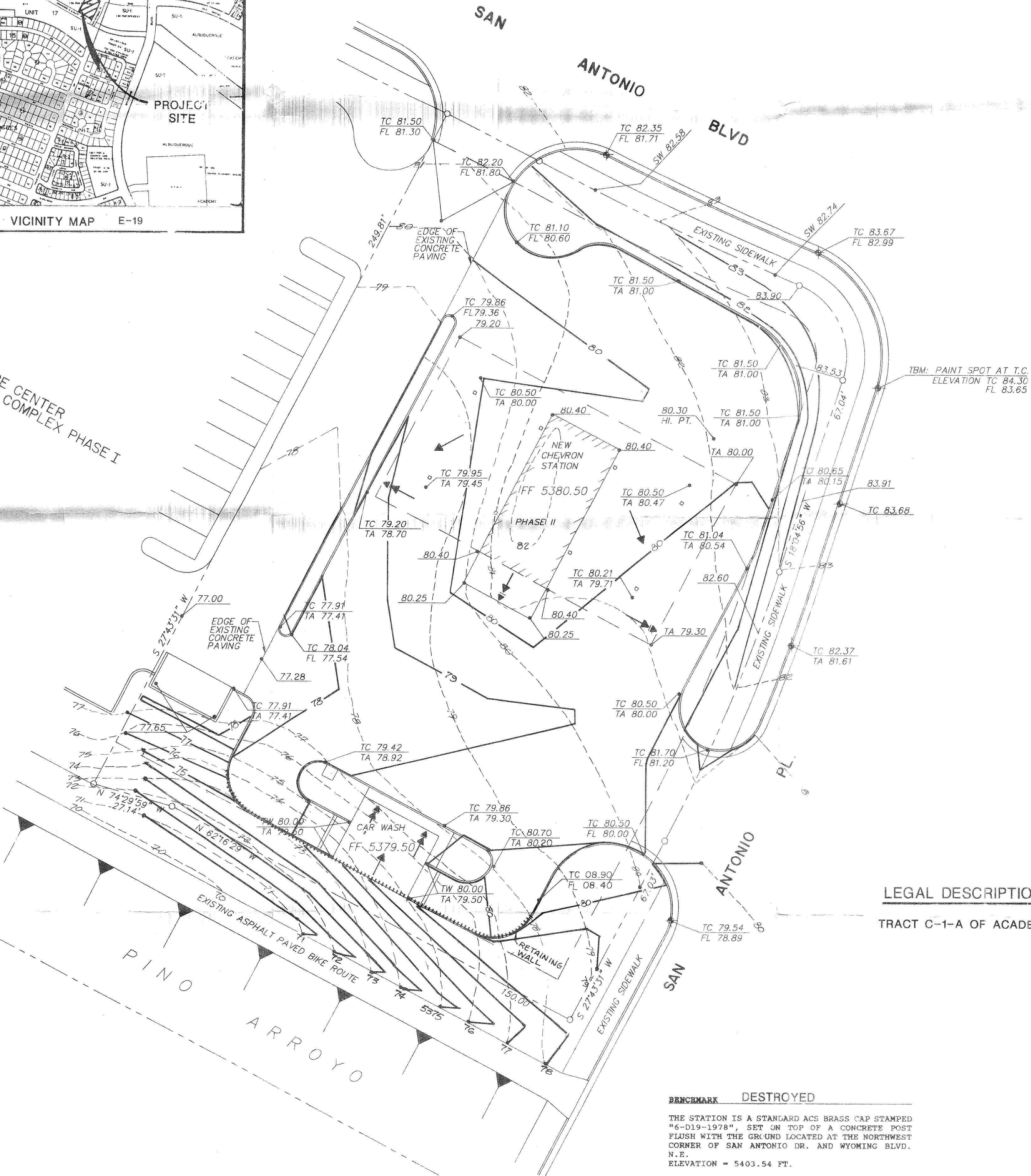
ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER



GOODYEAR TIRE CENTER
WYOMING COMMERCIAL COMPLEX PHASE I



LEGAL DESCRIPTION

TRACT C-1-A OF ACADEMY ACRES UNIT 17

BENCHMARK DESTROYED

THE STATION IS A STANDARD ACS BRASS CAP STAMPED "6-D19-1978", SET ON TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE NORTHWEST CORNER OF SAN ANTONIO DR. AND WYOMING BLVD. N.E. ELEVATION = 5403.54 FT.

LEGEND	
BUILDING	
EXISTING SPOT	
NEW SPOT	
CURB	
EXISTING CONTOUR	
NEW CONTOUR	
ROOF DRAIN	
DIRECTION OF FLOW	

EXISTING ON-SITE CONDITIONS:

SURFACE TYPE	"C" VALUE	A (ACRES)	"C"X A	COMPOSITE "C"=CXA/A
Streets, Drives, Walks	0.95	0.5809	0.5519	
Roofs	0.90		0.1429	
Lawns & Landscaping	0.25		0.0561	
Undeveloped	0.40	0.9642	0.3857	0.40
TOTAL				

$Q(100) = (0.40)(5.06)(0.9642) = 2.0$ cfs
 $Q(10) = (0.657)(2) = 1.3$ cfs
 $CN = 68$ Plate 22.2 C-2
Direct Runoff = 0.3 in. Plate 22.2 C-4
 $V(100) = (0.3)(0.9642)(43560)/12 = 1050$ cu. ft.
 $V(10) = (0.657)(1050) = 690$ cu. ft.

PROPOSED ON-SITE CONDITIONS:

SURFACE TYPE	"C" VALUE	A (ACRES)	"C"X A	COMPOSITE "C"=CXA/A
Streets, Drives, Walks	0.95	0.5809	0.5519	
Roofs	0.90	0.1588	0.1429	
Lawns & Landscaping	0.25	0.2245	0.0561	
Undeveloped	0.40	0.9642	0.3857	0.40
TOTAL				

$Q(100) = (0.78)(5.06)(0.9642) = 3.8$ cfs
 $Q(10) = (0.657)(3.8) = 2.5$ cfs
 $CN = 50$ Plate 22.2 C-2
Direct Runoff = 0.70 in. Plate 22.2 C-4
 $V(100) = (0.70)(0.9642)(43560)/12 = 2450$ cu. ft.
 $V(10) = (0.657)(2450) = 1610$ cu. ft.

LOCATION AND DESCRIPTION:

THE SITE IS LOCATED ON THE SOUTHWEST CORNER OF SAN ANTONIO DRIVE AND SAN ANTONIO PLACE N.E. THE SITE, CONTAINING APPROXIMATELY 0.9642 ACRES, IS PRESENTLY UNDEVELOPED AND IS PHASE II OF THE WYOMING COMMERCIAL COMPLEX.

EXISTING CONDITIONS:

PRESENTLY, STORM WATER POND ON THE SITE. THIS CONDITION WAS CREATED WHEN THE ADJACENT DEVELOPMENT WAS BUILT, PHASE I. NO OFF-SITE FLOWS ENTER THE SITE DUE TO EXISTING ELEVATIONS.

PROPOSED CONDITIONS:

PROPOSED DEVELOPMENT WILL INCLUDE A CHEVRON STATION WITH CAR WASH, ASPHALT PARKING AND LANDSCAPING. THIS DEVELOPMENT WAS APPROVED BY P.C. ON 4/10/90. RUNOFF FROM THE SITE WILL BE CONVEYED ACROSS THE NEWLY DEVELOPED GOODYEAR TIRE CENTER TO A CONCRETE RUNDOWN AT THE PINO ARROYO. A DRAINAGE LAYOUT ALLOWING CROSS LOT DRAINAGE HAS BEEN APPROVED.

PHASE III:

CALCULATIONS:

$A_{pca} = 0.9642$ acres
 $I = 2.11$ in./hr. Plate 22.2 D-2
 $Q = 2.0$ cfs, 100-year rainfall = 2.4 in. Plate 22.2 D-1
 $I = (2.11)(2.4) = 5.06$ in./hr.

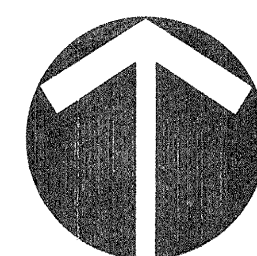
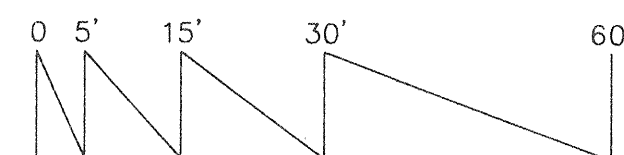
CONTROL STATION DATA

NAME OF STATION: 6-E19A

SPIRIT LEVEL ELEV: 5408.59

GRADING & DRAINAGE PLAN

SCALE: 1"=20.0'



MARKET BUILDING AND CAR WASH
FOR EVEREADY OIL COMPANY
SAN ANTONIO DRIVE AT SAN ANTONIO PLACE,
ALBUQUERQUE, NEW MEXICO

ARCHITECTURE BY
THE KEN HOVEY DESIGN GROUP INC.
505) 255-9400 • 335 JEFFERSON STREET, SUITE B, ALBUQUERQUE, N.M. 87108

JOB NO: 9103

DATE:

REVISIONS

1	DRIVE
2	MAY 3 1991
3	HYDROLOGY DIVISION

SHEET

C2