

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

HYDROLOGY SECTION

123 Central NW, Albuquerque, NM 87102
(505) 766-7644

October 20, 1986

Richard Hall, P.E.
Hall Engineering
337 Eubank Blvd., NE Suite 103
Albuquerque, New Mexico 87123

RE: DRAINAGE PLAN FOR BEZY WAREHOUSE
(K-21/D10) ENGINEERS STAMP DATED OCTOBER 8, 1986

Dear Mr. Hall:

Based on the information provided on your submittal of October 9, 1986, the above referenced drainage plan is approved for Building Permit.

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

If you have any questions, call me at 768-2650.

Cordially,

Bernie J. Montoya
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

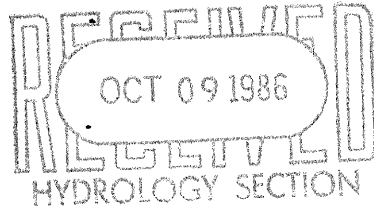
AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: BEZY WAREHOUSE ZONE ATLAS/DRNG. FILE #: K-21/P10
LEGAL DESCRIPTION: LOT "10-A" BLOCK 19, EAST CENTRAL BUSINESS ADD.
CITY ADDRESS: MURIEL STREET N.E.
ENGINEERING FIRM: HALL ENGINEERING CO., INC. CONTACT: PARVIZ EFTEKHARI
ADDRESS: 337 EUBANK N.E. SUITE 103 PHONE: 292-1115
OWNER: GILBERT BEZY CONTACT: GILBERT BEZY
ADDRESS: 11500 LINN NE PHONE: 293-6527
ARCHITECT: HALL ENGINEERING CO. INC. CONTACT: PARVIZ EFTEKHARI
ADDRESS: 337 EUBANK N.E. SUITE 103 PHONE: 292-1115
SURVEYOR: HALL ENGINEERING CO. CONTACT: PARVIZ EFTEKHARI
ADDRESS: 337 EUBANK NE. PHONE: 292-1115
CONTRACTOR: N/A CONTACT: _____
ADDRESS: N/A PHONE: _____

PRE-DESIGN MEETING:

☒ YES
☐ NO
☒ COPY OF CONFERENCE RECAP
SHEET PROVIDED



DRB NO. 86-626-9/23/86
EPC NO. _____
PROJ. NO. _____

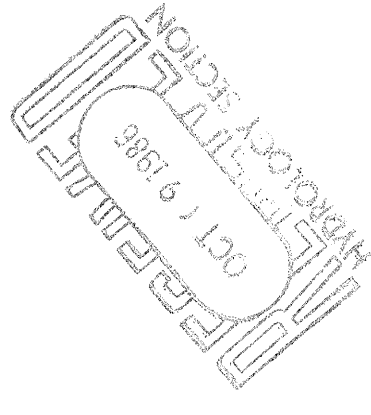
TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☐ GRADING/PAVING PERMIT APPROVAL
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: October 8, 1986
BY: PARVIZ EFTEKHARI



GRADING AND DRAINAGE PLAN FOR LOT "IO-A" BLOCK 19 EAST CENTRAL BUSINESS ADDITION

DATA
AREA OF THE SITE 24,473 SQ. FT. 0.5618 AC.
SLOPE 2.86% 5 TO WEST
SOIL GROUP B
TIME OF CONCENTRATION 10 MINUTES (MIN.)
RAINFALL (PLATE 22.2, D-1 DPM) 2.46 / 6 HR
INTENSITY 1 (0.84)(R₆) / T^{0.51} = 5.20 IN/HR.

EXISTING CONDITION
SITE IS ENTIRELY COVERED WITH NATURAL VEGETATION
C FACTOR = 0.40 FOR NATURAL GROUND
DISCHARGE FROM THE SITE:
 $Q(100) = CIA = (0.40)(5.20)(0.5618) = 1.17$ CFS
 $Q(10) = 0.685 Q(100) = 0.73$ CFS
EXISTING RUNOFF DISCHARGES INTO MURIEL STREET AT WEST SIDE OF
PROPERTY AND CONTINUE ITS PATH TOWARD SOUTH TO A CATCH BASIN AT THE
INTERSECTION OF MURIEL ST. AND BUENA VENTURA ROAD.

OFF-SITE FLOW
THE SITE IS EXPOSED TO OFF-SITE FLOW FROM EAST SIDE
TOTAL AMOUNT OF OFF-SITE FLOW = (0.40)(5.20)(0.17) = 0.36 CFS

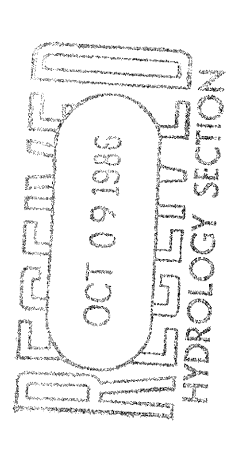
PROPOSED RUNOFF			
C FACTOR			
TYPE OF SURFACE	"C"	AREA (SF)	CFA
BUILDING	0.90	7800	6480
ASPHALT & CONCRETE	0.95	16673	15839
LANDSCAPE	0.25	600	150
WEIGHTED "C" FACTOR			$= 22,469 = 0.92$ 24,473
$Q(100) = CIA = (0.92)(5.20)(0.5618)$			$= 2.69$ CFS
$Q(10) = 0.685 Q(100)$			$= 1.68$ CFS

DISPOSAL
INCREASE IN PEAK RUNOFF DUE TO THIS DEVELOPMENT IS 1.52 CFS
THE SITE IS LOCATED AT THE BOTTOM OF WATERSHED AND IS NOT IN A
FLOOD ZONE. THIS IS AN URBAN INFILL PROJECT, AND IS LOCATED AT
THE VICINITY OF STORM DRAIN. THEREFORE FREE DISCHARGE INTO MURIEL
STREET WILL HAVE MINIMUM IMPACT ON THE AREA. RUNOFF WILL
TRAVEL SOUTH ON MURIEL STREET, 500 FEET, TO A DROP INLET AT THE
INTERSECTION OF BUENA VENTURA ROAD AND MURIEL STREET.

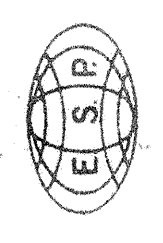
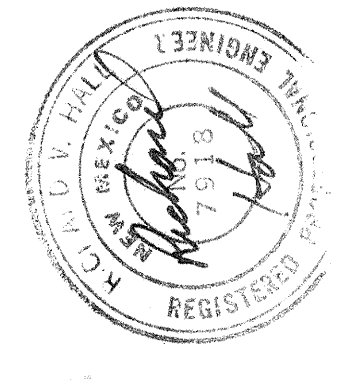
LEGAL DESCRIPTION
LOT "IO-A" BLOCK 19 EAST CENTRAL BUSINESS ADDITION
BENCHMARK INFORMATION
N.M. 9-K21, A SQUARE CHISELED IN TOP OF CONCRETE CURB AT THE
W/W RETURN, LOCATED AT THE INTERSECTION OF JUAN TABO BLVD. N.E.
BUENA VENTURA RD. N.E.

EROSION CONTROL STATEMENT
1. THE CONTRACTOR SHALL ENSURE THAT NO SOILS ERODES FROM THE SITE
INTO PUBLIC RIGHT-OF-WAY OR INTO PRIVATE PROPERTY. THIS CAN BE
ACHIEVED BY CONSTRUCTING BERMS AT PROPERTY LINE AND NETTING
THE SOIL TO KEEP IT FROM BLOWING.
2. THIS IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN A TOP SOIL DISTUR-
BANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DEPARTMENT.

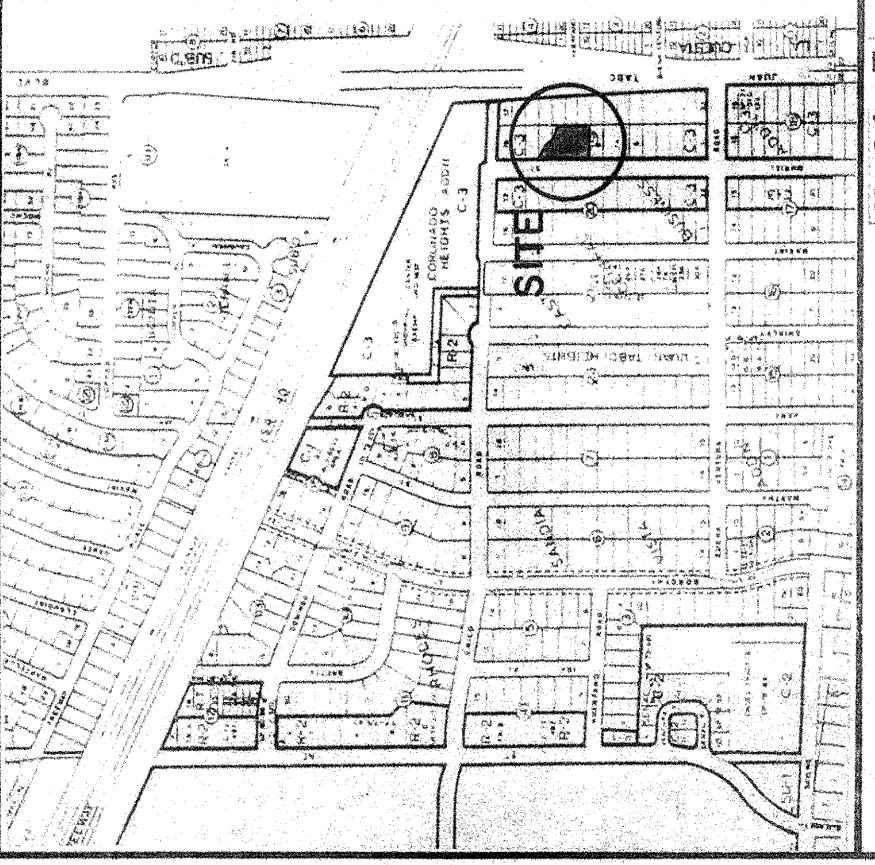
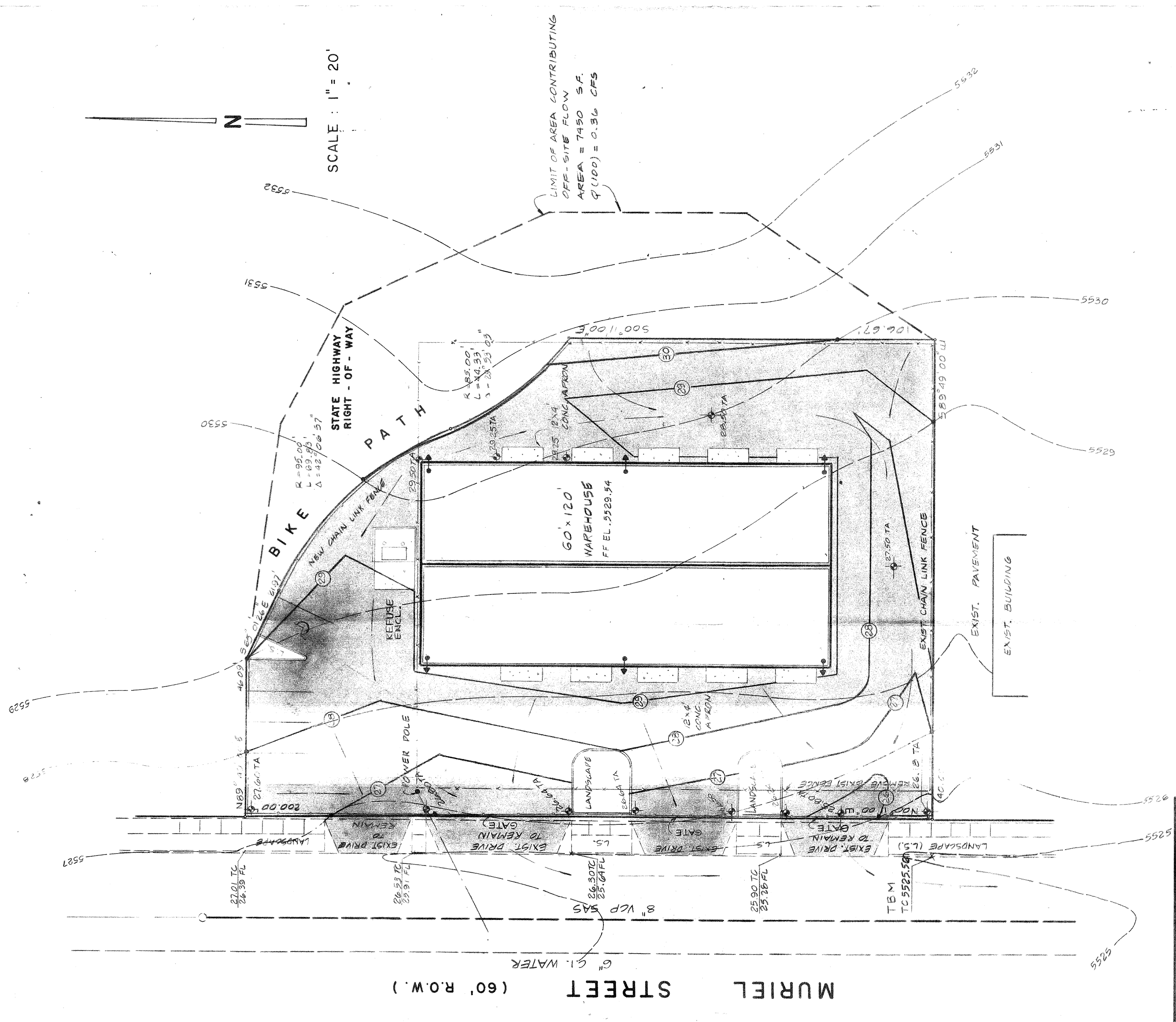
LEGEND
EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
TOP OF CURB
TOP OF ASPHALT
FLOW LINE
FLOW DIRECTION



OCTOBER 8, 1986



HALL ENGINEERING COMPANY INC.
337 EUBANK N.E. SUITE 103
ALBUQUERQUE, NEW MEXICO 87123
Phones: (505) 292-1115 & 292-1116



VICINITY MAP K-21-7