



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 21, 1994

Chuck Easterling
Easterling & Associates
10131 Coors NW Suite H 7/8
Albuquerque, NM 87114

RE: DRAINAGE PLAN FOR AN ADDITION TO BUSINESS ENVIRONMENTS (H17-D69)
ENGINEER'S STAMP DATED 6/15/94.

Dear Mr. Easterling:

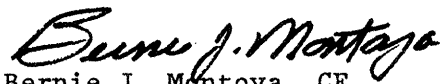
Based on the information provided on your June 15, 1994 submittal, the above referenced site is approved for Building Permit.

Please be advised that a separate permit is required for construction within city Right-of-Way. A copy of this approval letter must be on hand when applying for the excavation permit.

Also, a copy of this approved plan must be attached to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,


Bernie J. Montoya, CE
Engineering Associate

BJM/d1/WPHYD/8604

c: Andrew Garcia
Arlene Portillo
File



GENERAL NOTES FOR GRADING AND DRAINAGE

1. A CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. EARTHWORK PROCEDURES & SPECIFICATIONS, AND PAVING DESIGN & SPECIFICATIONS SHALL CONFORM TO THE RECENT SITE GEOTECHNICAL INVESTIGATION REPORT, VINYARD & ASSOCIATES.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, 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 THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. MAINTENANCE OF DRAINAGE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH THEY ARE CONSTRUCTED. ROOF DRAINS AND APPURTENANCES SHALL BE REGULARLY INSPECTED AND OBSTRUCTIONS REMOVED.
6. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
7. DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONSTRUCTION SAFETY: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S SOLE RESPONSIBILITY.
9. THE DETAILED DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDINGS SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO STRUCTURES. FOR CONSTRUCTION DETAILS, REFER TO THE LANDSCAPING PLAN.
10. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY 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.
11. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
12. THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DISTURB OR DAMAGE EXISTING FEATURES TO REMAIN DURING ALL PHASES OF CONSTRUCTION.

LEGAL DESCRIPTION

TRACT D-1
TIMOTEO CHAVEZ ADDITION

BENCHMARK

CITY OF ALBUQUERQUE STATION 11-H17
ELEVATION = 5140.36

SURVEYOR

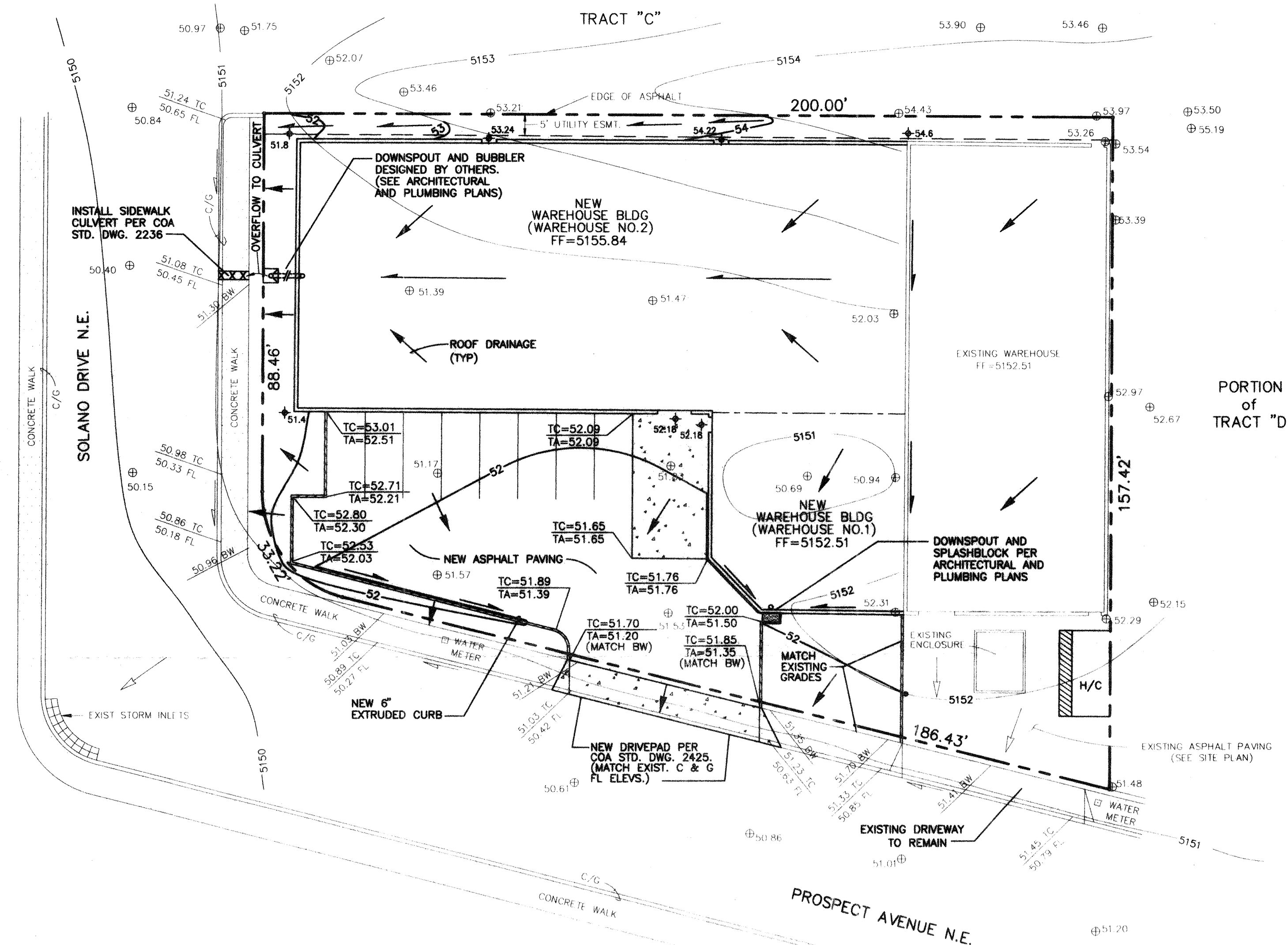
ANTHONY L. HARRIS
NMPS # 11463
HARRIS SURVEYING, INC.

100 YEAR RAINFALL DEPTHS
ALBUQUERQUE ZONE 2

DURATION	DEPTH(in.)
1 hr	2.01
6 hr	2.35
24 hr	2.75
4 day	3.30
10 day	3.65

HYDROLOGY SUMMARY

BASIN DESCRIPTION	CONDITION	AREA	LAND TREATMENT CLASSIFICATION (% OF TOTAL)				100 YEAR STORM	
		(ACRES)	A	B	C	D	PEAK DISCHARGE (CFS)	6 HOUR VOLUME (CF)
TRACT D-1	EXISTING	0.68	75	0	0	25	1.6	2,290
TRACT D-1	DEVELOPED	0.68	0	10	10	80	2.9	4,660



DRAINAGE PLAN

EXISTING CONDITIONS

THE SITE CONSISTS OF APPROXIMATELY 0.68 ACRES AND IS PARTIALLY DEVELOPED AS A WAREHOUSE FACILITY. THE WESTERN PORTION IS CURRENTLY UNIMPROVED AND CONSISTS OF NATURAL GROUND WITH NATIVE GRASS COVER. OVERALL DRAINAGE IS TO THE SOUTH AND WEST, WITH FREE DISCHARGE TO THE ADJACENT STREETS. EXAMINATION OF THE EXISTING TOPOGRAPHY SUGGESTS THAT THE SITE IS NOT IMPACTED BY OFFSITE FLOWS. PROPERTIES ADJACENT TO THE SITE ARE FULLY DEVELOPED.

ACCORDING TO FEMA MAP NO. 23, DATED OCTOBER 14, 1983, THE SITE DOES NOT LIE IN A 100-YEAR FLOOD HAZARD ZONE.

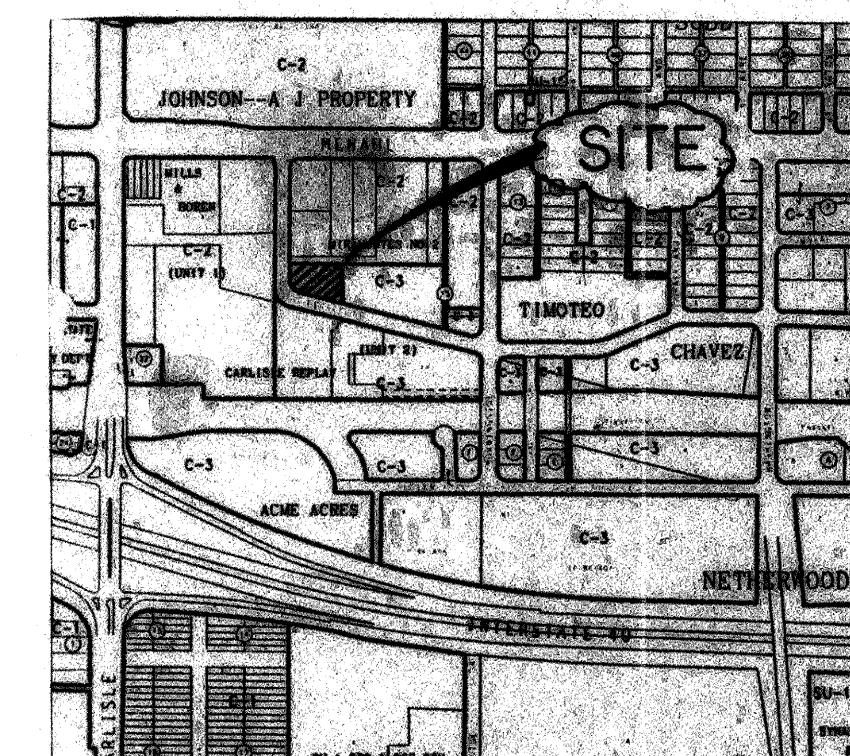
DEVELOPED CONDITIONS

IT IS PROPOSED TO EXPAND THE EXISTING WAREHOUSE FACILITY TO COMPLETE THE BUILD-OUT OF THE SITE. NEW PARKING AND LANDSCAPING IS TO BE PROVIDED AS INDICATED. THE SITE WILL CONTINUE TO DRAIN TO THE SOUTH AND WEST. BECAUSE THE SITE IS SMALL, IS AN INFILL SITE, AND IS LOCATED JUST UPSTREAM OF THE EXISTING STORM INLETS AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SOLANO DRIVE NE AND PROSPECT AVENUE NE, IT IS FELT THAT FREE DISCHARGE IS APPROPRIATE FOR THE SITE.

APPROVALS	NAME	DATE
HYDROLOGY	<i>Pemoj Montoya</i>	6/2/94
INSPECTOR		
A.C.E./FIELD		

VICINITY MAP

C.O.A. ZONE ATLAS NO. H-17

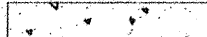



FLOOD HAZARD MAP

FEMA MAP NO. 23



LEGEND

DESCRIPTION	NEW	EXISTING
CONTOURS (1 FT)	— 500.1 —	— 500.1 —
CONTOURS (5 FT)	— 500.5 —	— 500.5 —
SPOT ELEVATIONS	✦ 04.80	⊕ 50.00
DIRECTION OF RUNOFF	←	←
FLOWLINE	— ... —	— ... —
PROPERTY LINE	— — — — —	— — — — —
TOP OF CONCRETE ELEVATION	TC=XX.XX	x 07.6TC
BACK OF WALK ELEVATION	BO=XX.XX	x 07.6BW
EDGE OF ASPHALT	TE=XX.XX	x 01.7EA
TOP OF CURB ELEVATION	TC=XX.XX	11.5PTC
TOP OF ASPHALT ELEVATION	TA=XX.XX	x 07.6ASP
FLOWLINE ELEVATION	FL=XX.XX	11.73FL
STORM INLET		▢
CONCRETE		
EXTRUDED CURB	— — — — —	
CURB & GUTTER		

1995

HYDROLOGY DIV.

NO.	REVISIONS	BY	DATE

GRADING AND DRAINAGE PLAN
WAREHOUSE ADDITION
4111 PROSPECT AVE. N.E.

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

DESIGNED BY: JML	DRAWN BY: JMM/DWG	CHECKED BY: CME	SHEET OF
JOB NO.: 3900	DATE: JUNE 1994		

DWG: C:\DATA\3900\HOOVER
TIME: 06-15-94 08:39:58

EASTERLING & ASSOCIATES