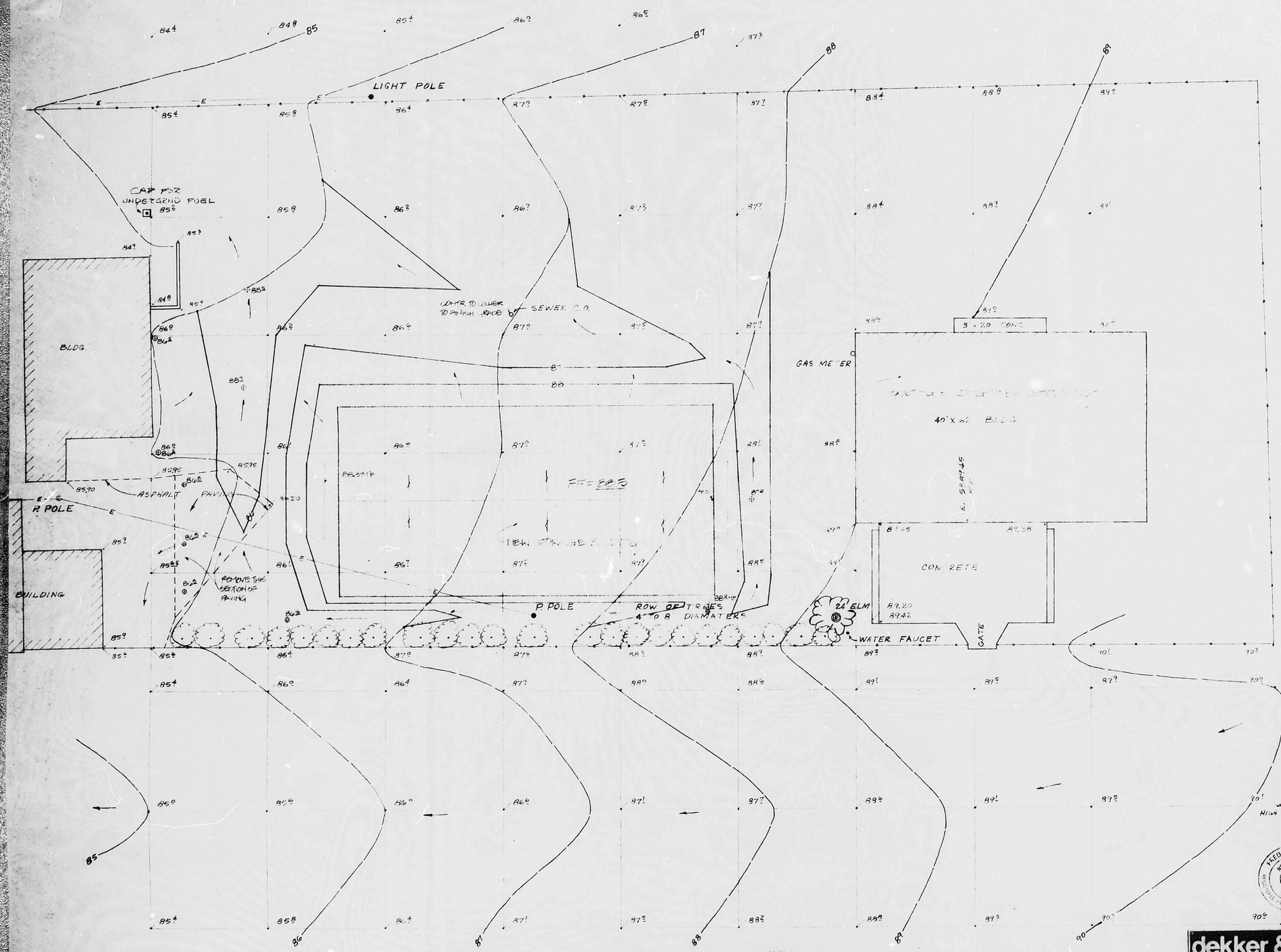
HYDROLOGY K20/D8 NO DOCUMENTS PLAN ON SEPARATE ROLL

K20/D8



1/10 SITE DRAINAGE PLAN

SCALE: 1" = 10'-0"

NORTH

SCALE: 1" = 10'-0"

SYMBOL LEGEND

- E 85 EXIST SPOT ELEVATION
- ⊕ 85.1 NEW SPOT ELEVATION
- EXIST. CONTOUR
- NEW CONTOUR
- 85.00 NEW HEIGHT BEW TOPPING

RECEIVED

MAR 22 1983

ENGINEERING

NOTES:

ELEVATIONS ARE BASED ON ACS BENCH MARK NO. 1-K20 A "D" CHISELED ON TOP OF CONCRETE CURB AT THE SSE RETURN AT LOMAS BLVD. NE AND HERNDON ST. NE. ELEVATION = 5380.754 (MSLD 1929)

TBM (SET) TOP OF CONCRETE FOOTING AT N.W. CORNER OF EXISTING BLDG. ELEVATION = 5369.10

25' GRID ORIGINATING AT NW CORNER OF BLDG. BASE LINE 25 NORTH OF BLDG.

1 FT CONTOUR INTERVALS

DRAINAGE CALCULATIONS ARE BASED ON THE 100 YEAR 6 HOUR STORM, BY USE OF THE RATIONAL METHOD.

This is to certify that I am Registered Land Surveyor. That the plat was prepared from field notes of actual surveys made by me or under my supervision & that the same are true & correct to the best of my knowledge & belief.

Santiago E. Gutierrez NMLS #4251

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO No. 4251 SANTIAGO E. GUTIERREZ

NOTE: NO NUMBERS SHOWN IS PROPERTY FOR THIS SITE.

DRAINAGE CALCULATIONS		
	EXISTING	PROPOSED
AREA (A)	3,200 SQ.FT.	3,200 SQ.FT.
I	3.25	3.25
C	.50	0.95
Q (CFS)	0.2 CFS	0.41 CFS
Q (INCREASE)		0.20 CFS
V (FOR D)		
D	2.6"	2.6"
V	347 CU.FT.	669 CU.FT.
V (INCREASE)		312 CU.FT.

NOTES:

1. SOUTH SIDE OF BUILDING TO HAVE GUTTER WITH AN OUTLET ON WEST END, OR WITH 2% GRADING SLOPES AWAY FROM BUILDING, AND 1% FLOW LINE SLOPE RUNNING SOUTH & PARALLEL TO BUILDING.
2. FLOWS SHALL BE ALLOWED TO SHEET FLOW ACROSS THE HARD PACKED EARTH AND NATURAL AREAS WHERE THEY THEN ARE ACCEPTED BY A TRIBUTARY OF THE FREEWAY STORM WATER DIVERSION CHANNEL.

REGISTERED LAND SURVEYOR FRED C. ARTMAN NEW MEXICO 7322

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LOS ALTOS GOLF COURSE 37.17 ACRES

K20/108