

**DRAINAGE CALCULATIONS**

- I. REFERENCES:**
- A. Section 22.2, Hydrology of the Development Process Manual, Vol. 2, Design Criteria for the City of Albuquerque, New Mexico in cooperation with Bernalillo County, NM and the Alb. Metropolitan Arroyo Flood Control Authority.
  - B. Floodway, Flood Boundry and Floodway Map, City of Alb., NM.
  - C. Zone Atlas Map G-21-Z
- II. GENERAL INFORMATION**
- A. Site lies in Zone Two(2)
  - B. 100 YR, 6 HR Rainfall Criteria
  - C. Tc = 0.2 HR (12 min.)
- III. IMPERVIOUS:**
- | Treatment Types | Types of Surfaces | Existing SQ.FT. | AC.  |
|-----------------|-------------------|-----------------|------|
| D               | Impervious        | 18,955          | .436 |
- IV. PEAK DISCHARGE 100 YR (Ref. A., Table A-9)**  
Type: D 5.02 CFS/AC Qp(100) 2.19
- V. PEAK DISCHARGE 10 YR (Ref. A., Table A-9)**  
Type: D 3.39 CFS/AC Qp(10) 1.47
- VI. WEIGHTED "E" 100 YR, 6 Hr. (Ref. A, Table A-8)**  
Type: D (Weighted "E" Factor)  
E 2.36 EXCA/TA 2.36
- VII. VOLUME 100 YR, V(360) Ref. A, Table A-8)**  
Existing & Proposed:  
 $2.36 \times .436/12 = .857$  AC. FT. or 3735 CU. FT.

**BENCHMARK (MSL)**  
BENCHMARK: CITY OF ALBUQUERQUE "B-021", A BRASS TABLET IN CONCRETE LOCATED AT THE INTERSECTION OF EUBANK BLVD. AND COMANCHE ROAD NE, ON THE EAST MEDIAN OF COMANCHE ROAD. ELEVATION 5536.00

**LEGAL DESCRIPTION**  
TRACT A-3 .436 AC.  
A PORTION OF THE SOUTH HALF OF THE SW QUARTER OF THE NW QUARTER OF SECTION 4, T10N, R4E, NMPM  
AN ADDITION TO THE CITY OF HLD. BERNALILLO COUNTY, NM  
REPLANT OF TRACT "H" 3/31/72

**SYMBOL LEGEND**

EXISTING CONTOUR	--- 5000 ---
DESIGN CONTOUR	--- 5000 ---
PROPOSED SPOT ELEV.	⊕ 50.00 TC
PROPERTY LINE	-----
EMBELEMENT LINE	-----
FLOW DIRECTION	← 100'
EXISTING SPOT ELEV.	⊕ 100'
DRAIN SPOT	□

**GRADING & DRAINAGE PLAN**

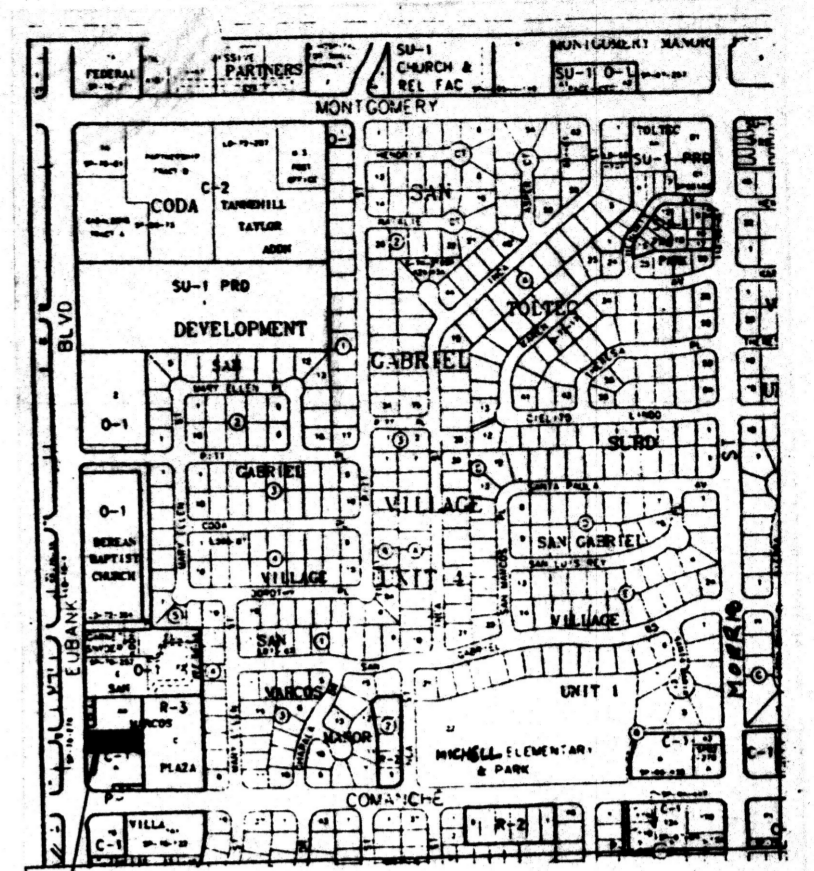
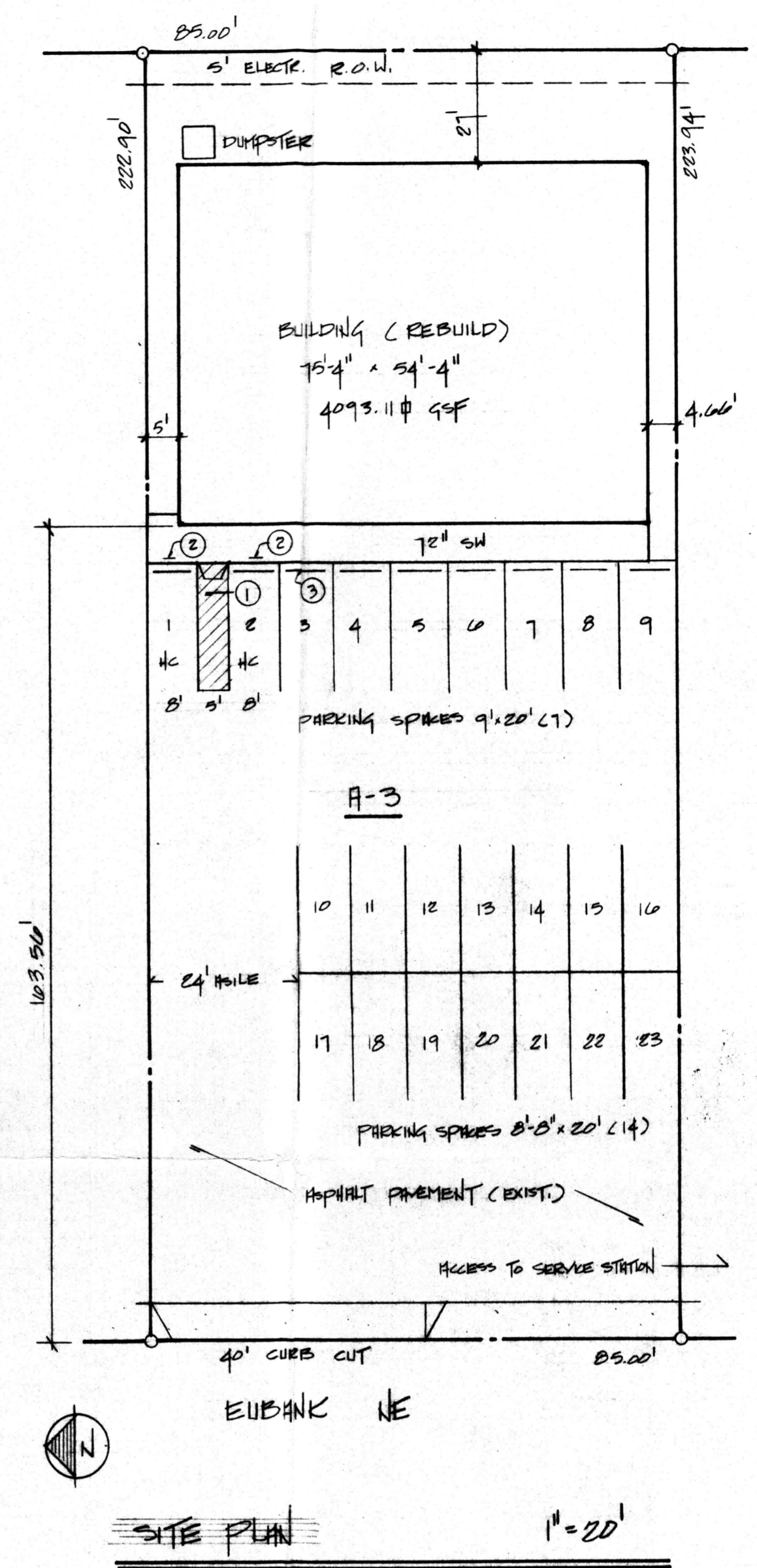
THIS SITE DOES NOT LIE IN A 100YR FLOOD PLAIN.

**ENGINEERS CERTIFICATION :**

I HEREBY CERTIFY THAT I HAVE VISITED THE EXISTING SITE CONDITIONS AND THAT IT APPEARS THAT GRADING/PIILING OR EXCAVATION HAS NOT OCCURED SINCE CONTOUR MAP SHOWN HEREON WAS PREPARED.

**SWIRE CERTIFICATION :**

I HEREBY CERTIFY THAT THE SWIRE LINE AS SHOWN IS CURRENT PER OBSERVATION.



SITE 3702 EUBANK NE  
TRACT A-3

LEGAL DESCRIPTION

UNIFORM PROPERTY CODE

**G-21-Z**

LOCATION MAP NTS

**SITE KEYED NOTES**

1. 60" HC ACCESS HOLE - STRIPPED.
2. HC SIGNAGE PER 117.1-92.
3. PARKING CURB CORP.

BLDG. DATA		INDEX	
BLDG. GROUP:	B. DM 2	SH	TITLE
BLDG. TYPE:	III - 1 HR	1	SITE/DRAINAGE
		2	FOUNDATION
AREA:	4093 SQFT	3	STREET NOTES
USE:	RETAIL 3271	4	FL. PLAN
	STOCK 822	5	ROOF/SECTIONS
	4093 SF	6	ELEV'S.
		7	ELECT./MECH.
		8	LIGHTING

GARDEN AREA MARKET BLDG.		SHEET <b>1</b>
ALB. NM		
DWG: KELIHA	7/97	SITE/DRAINAGE



EXIST INLET 120' →  
Tog = 30.31 INVERT OUT = 32.6