

DRAINAGE CALCULATIONS:

LOT AREA = 43,090 SF = 0.9892 ACRE
Treatment "A":

PEAK DISCHARGE:

EXISTING SITE IS TREATMENT "C" SINCE THE ENTIRE SITE HAS BEEN GRADED.

EXISTING CONDITIONS:

Q 100 = 0.9882 ACRE X 3.14 CFS/ACRE = 3.10 CFS
Q 100 = 0.9882 ACRE X 1.71 CFS/ACRE = 1.69 CFS

DEVELOPED CONDITIONS:

TREATMENT "A" = 0
TREATMENT "B" = 2,947 SF = 0.0677 AC
TREATMENT "C" = 11,695 SF = 0.2685 AC
TREATMENT "D" = 28,448 SF = 0.6530 AC
TOTAL = 43,090 SF = 0.9892 AC

VOLUME, 100-YEAR & 10-YEAR, 6-HOUR:

EXISTING SITE IS TREATMENT "C" SINCE THE ENTIRE SITE HAS BEEN GRADED.

EXISTING CONDITIONS:

V 100 = 43,090 SF X 1.13 IN) / 12 IN/FT = 4,058 CF
V 10 = 43,090 SF X 0.52 IN) / 12 IN/FT = 1,867 CF

DEVELOPED CONDITIONS:

V 100 = (2,947 X 0.78 + 11,695 X 1.13 + 28,448 X 2.12) / 12 IN/FT = 6,319 CF
V 100 = (2,947 X 0.28 + 11,695 X 0.52 + 28,448 X 1.34) / 12 IN/FT = 3,752 CF

LEGEND:		
EXISTING	NEW	DESCRIPTION
4991	89.00	CONTOUR
87.20		SPOT ELEVATION
	0.0100	PROPERTY LINE
		SWALE W/ SLOPE (FT PER FT)
		SHEET FLOW
	TA84.68	AS-CONSTRUCTED SPOT ELEVATION
		BOC = BACK OF CURB
		DC = DRIVE CUT
		EA = EDGE OF ASPHALT
		EC = EDGE OF CURB
		EOW = EDGE OF WALL
		FL = FLOW LINE
		G = GROUND
		TC = TOP OF CURB/CONCRETE
		TA = TOP OF ASPHALT

CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD

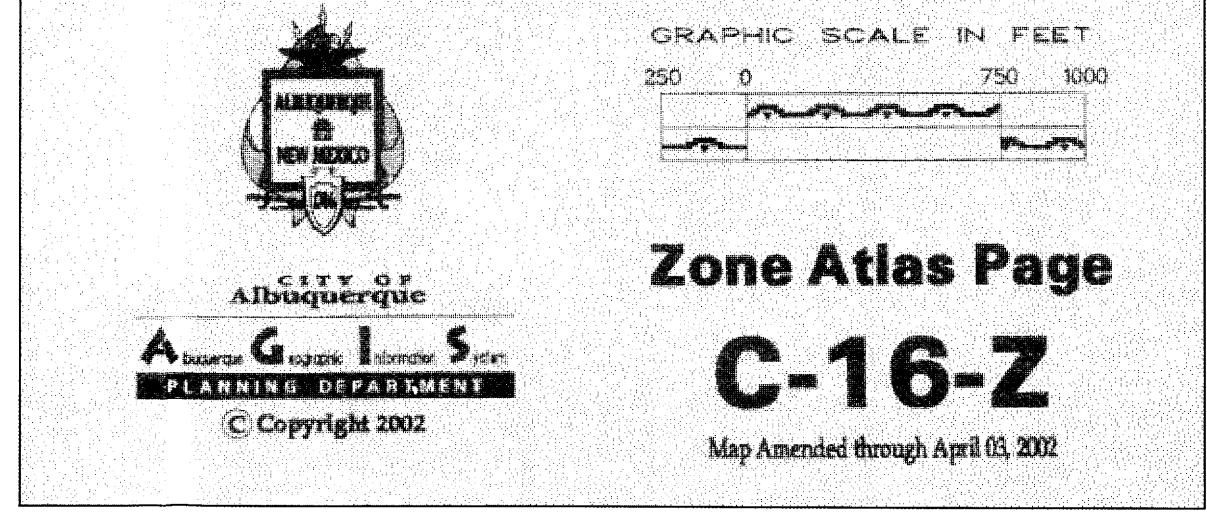
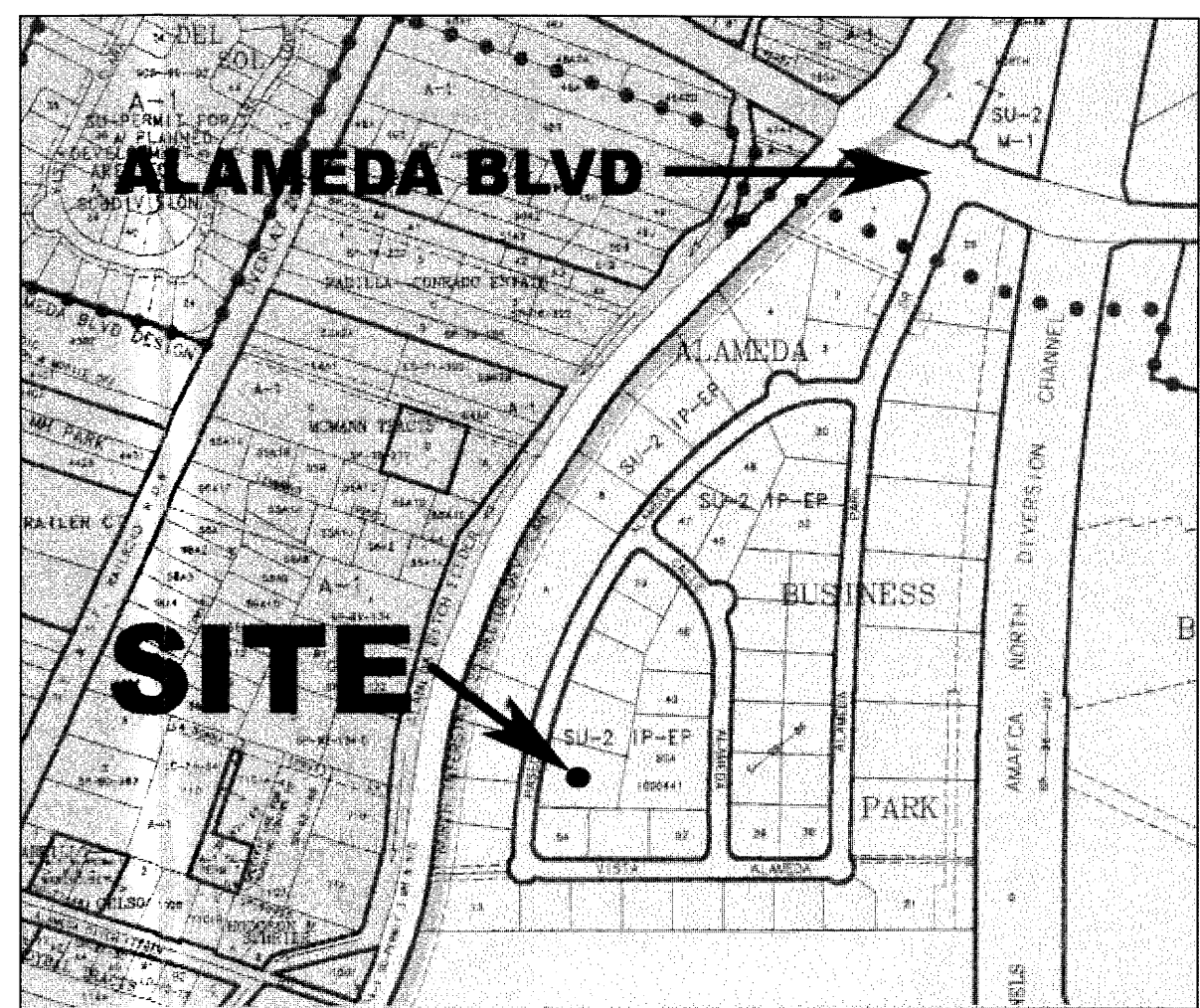
I, FRANK D. LOVELADY, NMPE 6512 OF THE FIRM FRANK D. LOVELADY P.E. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 02-27-2003. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY SANDIA LAND SURVEYING, LLL.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 06-18-07 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

FRANK D. LOVELADY
NMPE 6512

June 20, 2007
DATE



VICINITY MAP

ZONE ATLAS NO. C-16-Z

KEYED NOTES:

1. NEW ASPHALT PAVEMENT
2. NEW LANDSCAPING. DEPRESS TO RETAIN ALL DRAINAGE.
3. ROOF SLOPE.
4. ACCESS RAMP - MAX. SLOPE = 1 IN 12.
5. DRAINAGE SWALE, SLOPE = 0.0100 FT/FT.
6. 6' WIDE SIDEWALK..
7. NOT USED..
8. WATERBLOCK.
9. DRAINAGE SWALE AT 0.0050 FT./FT.

GENERAL NOTES:

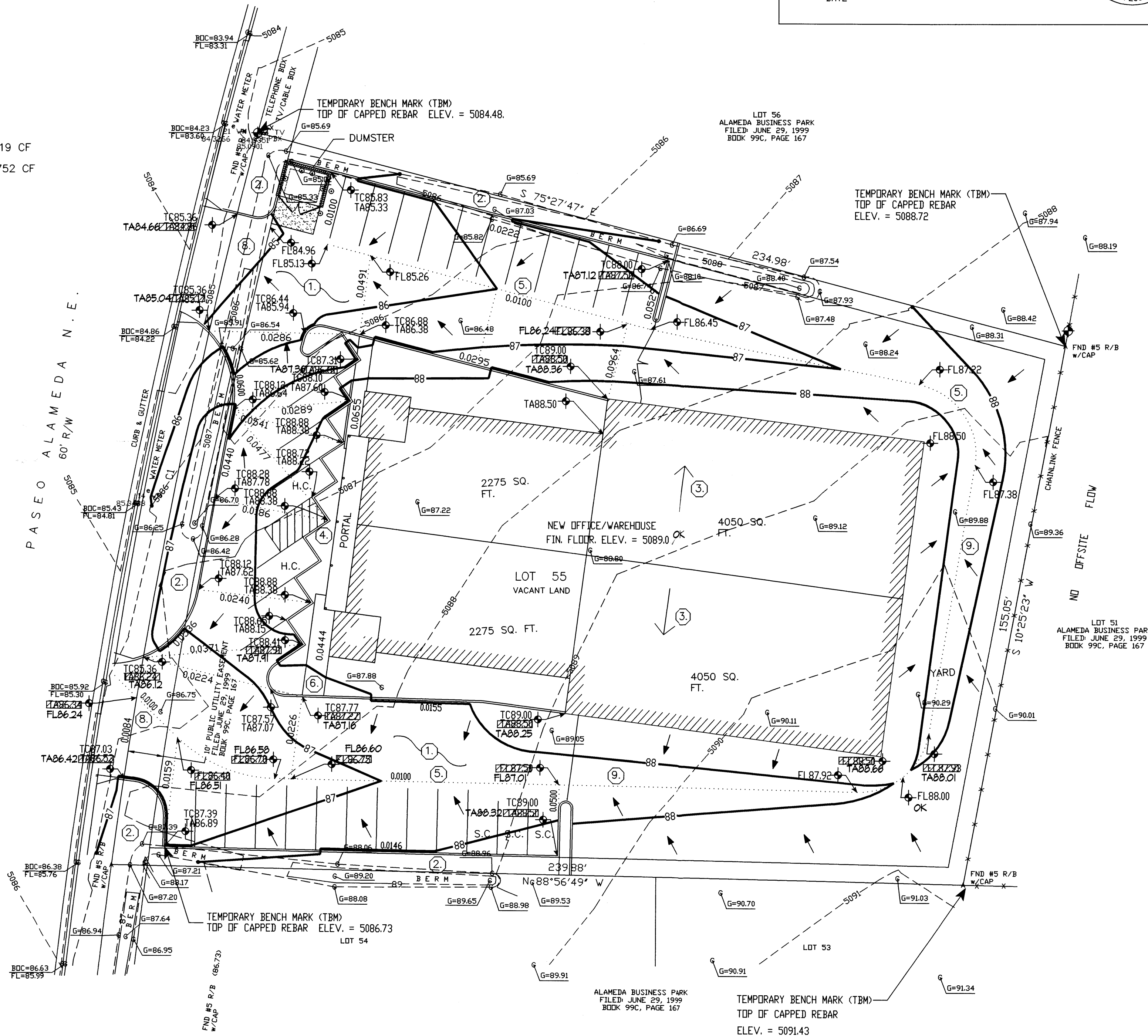
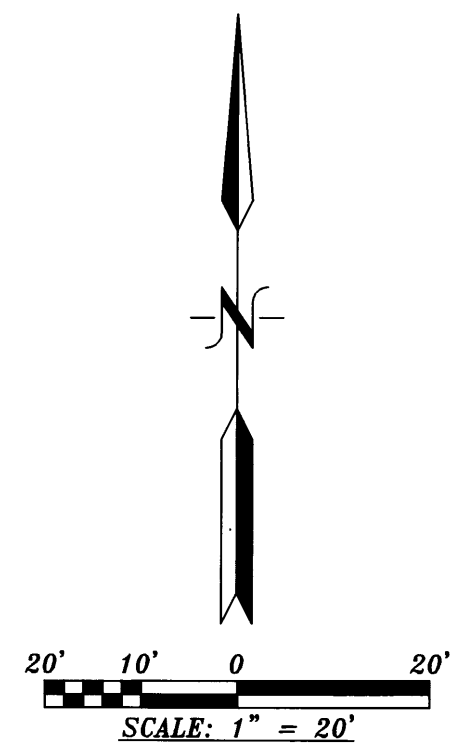
1. CONTOUR INTERVAL IS ONE (1) FOOT.
2. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "NDC 7-182" HAVING AN ELEVATION OF "5064.40".
3. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
5. THIS IS NOT A BOUNDARY SURVEY. BEARINGS AND DISTANCES SHOWN HEREON ARE FOR REFERENCE ONLY.

FLOOD MAP:

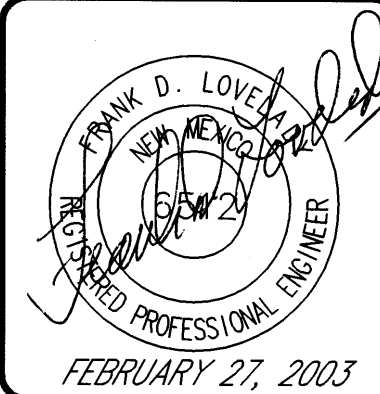
THE SUBDIVISION HAS BEEN EXTENSIVELY REGRADED SO THE FLOOD MAPS FOR THE ARE ARE NO LONGER APPLICABLE. THE MASTER GRADING AND DRAINAGE PLAN FOR ALAMEDA BUSINESS PARK SHOWS THAT THERE ARE NO FLOOD ZONES AFFECTING THIS SITE.

LEGAL DESCRIPTION:

LOT 55, PLAT OF ALAMEDA BUSINESS PARK (A REPLAT OF TRACT B-1-A-1 LANDS OF SPRINGER BUIL A1A)



CURVE DATA
C1
R = 1705.00'
D = 07°05'39"
CB = S 11°03'02" W
CH = 210.97'
L = 0.1117



CERTIFIED
GRADING AND DRAINAGE PLAN
PROPOSED OFFICE/ WAREHOUSE FACILITY
KBC CONSTRUCTION
LOCATED IN LOT 55, ALAMEDA BUSINESS PARK

FRANK D. LOVELADY, P.E.
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JOB NO:	644
DATE:	FEBRUARY 27, 2003
REVISIONS	

SHEET NO.
1 OF 1

